From: Burnell, Scott
To: Hannah, Roger
Subject: RE: Return Question -- Check with Ops?
Date: Wednesday, March 23, 2011 11:20:00 AM

Ah, but Borchardt specifically mentioned the "second wave" – any way to concisely explain if/how the "shift change" has been done?

From: Hannah, Roger
Sent: Wednesday, March 23, 2011 11:18 AM
To: Burnell, Scott
Subject: RE: Return Question -- Check with Ops?

Based on discussions with management in the Ops Center, we have stated that the number of NRC staff in Japan will continue to remain around a dozen or so. We've tried to stay away from exact numbers and travel schedules because people are coming and going at different times. We've also said that the exact makeup of that staff is based on the current situation and skill sets needed at the time.

From: Burnell, Scott
Sent: Wednesday, March 23, 2011 11:14 AM
To: Hannah, Roger
Subject: Return Question -- Check with Ops?

Roger;

Could you get the latest releasable details on "the second wave" of staff heading over -- #s, timeline for arrival, etc? I'll look at your e-mail now.

Scott

TTTT/169

From: Lobsenz, George
To: Burnell, Scott
Subject: NRC action on earthquake risk
Date: Wednesday, March 23, 2011 2:02:41 PM

Hi Scott--I am seeing some reports that NRC has named plants for additional seismic review, and that Jaczko has committed specifically to review Indian Point. True?

If so, I would like to get any details.

Also, did NRC commissioners vote on any specific response/plan to Japanese accident?

Thanks

George

TTTT/170

From:	Mensah, Tanya
To:	Blount, Tom; Quay, Theodore; Banic, Merrilee; Tam, Peter; Guzman, Richard; Kim, James; Sexton, Kimberly; Clark, Michael; Hott, Christopher; Gulla, Gerald; Markley, Michael; Rosenberg, Stacey; Setzer, Thomas; Khanna, Meena
Cc:	Burnell, Scott; Weil, Jenny; Scott, Catherine; Lyon, Fred; Polickoski, James
Subject:	Internal Planning Meeting: 2.206 Petitions Related To the Recent Earthquake In Japan
Date:	Wednesday, March 23, 2011 2:57:45 PM
Attachments:	ACTION G20110171.msg ACTION G20110191.msg ACTION G20110174.msg FW Please immediately close older reactors for inspection.msg

---

Good afternoon,

Michael Clark and Kim Sexton are the OGC Advisors for all 2.206 petitions related to the recent earthquake in Japan. They asked me if we (NRR) were going to have a planning meeting to discuss the path forward for all the petitions that we currently have in house related to the earthquake. The goal is to determine where we can propose consolidation of the petitions (per MD 8.11) to the NRR Office Director and of our efforts. If everyone agrees that consolidating is the appropriate path (where similarities exist), then additional petitions related to the recent earthquake (as they arrive) may also be considered for consolidation.

A. The following 2.206 petitions (attached) have been assigned to NRR (related to the earthquake):
   - G20110171 (Thomas Saporito) – Peter Tam is the assigned petition manager; Tanya Mensah is the 2.206 Coordinator. Mr. Saporito has requested to address the PRB via phone before the initial recommendation is made.

   - G20110191 (Michael Mulligan) – James Kim is the assigned petition manager; Lee Banic is the 2.206 Coordinator. Mr. Mulligan has requested to address the PRB via phone before the initial recommendation is made.

   - G20110174 (Floyd Rudman – Canadian citizen concerned about Nine Mile Point). Please note that this was assigned as a 2.206 and we thought this could be addressed using general correspondence since Mr. Rudman was not a US citizen. Rich Guzman is the petition manager; Lee Banic is the 2.206 Coordinator. Per recent OGC feedback, Rich is contacting the petitioner now to inform him of the 2.206 process and to determine if he wants to participate in the process.

     - All of these petitions request immediate actions (to shutdown plants). A PRB needs to meet internally as soon as possible to discuss if there is any basis to grant or deny requests to immediately shutdown plants. For efficiency, we can probably hold one meeting to discuss all of the requests for immediate action. Instead of holding 3 separate internal PRB's.

In addition, the following letter has been assigned to NRR, which requests immediate action to shutdown all US reactors.

- G2011xxxx (Bill Linton – UK citizen concerned about all US nuclear reactors). We were going to track this as a 2.206, but I asked the OEDO to assign as general correspondence (earlier this week), since Mr. Linton is from the UK. Based upon

TTTT/171

recent feedback, this letter should be assigned as a 2.206 so we should move forward with contacting the petitioner.

B. Resources/Staff:

- The PM's (Peter and Jim) have been working to coordinate the PRB technical and regional support for their respective petitions. Peter's petition encompasses more plants, Jim's is specific to VY, Rich's is specific to NMP. But, the same technical staff from DE (probably Meena's branch) may be asked to support these petitions. We could probably help her out if we coordinated our PRB conference calls and internal PRB discussions effectively to minimize the impacts on the technical leads in her branch.

- Peter is trying to coordinate internally to identify the level of regional support necessary for his petition. Typically for any plants impacted by the petition, we have a Region POC serve on the PRB. We hope to have this information soon so that the correct regional participants are included in our PRB discussions. I believe that Tom Setzer and Don Jackson are the RI POC for VY and they will be supporting.

C. Other Advisors:

- OE 2.206 Lead for Earthquake related petitions: Chris Hott (backup is Gerry Gulla).
- RIV OCA Contact (Jenny Weil asked to be included on distribution for emails and meetings)

D. Planning Meeting: I would ask that you all update your calendars in Outlook so that I can schedule a meeting for us to coordinate the review of these petitions in an efficient manner. The agenda items would include:

- Current Inventory of 2.206 petitions related to the recent earthquake.
- Per MD 8.11, do these meet the criteria for consolidation? If so, discuss path to inform NRR ET via the PRB Chairman.
- Discussion of next steps per MD 8.11, coordination with petitioners that request an opportunity to address the PRB before we meet internally to make the initial recommendation, and the PRB Internal meeting to make the initial recommendation.

I plan to send a meeting request for: Thursday, March 24th from 9-10 am. I will arrange a dial-in.

Thanks all for your support on such short notice!

Tanya

Attachment ACTION G20110171.msg (2560 Bytes) cannot be converted to PDF format.

Attachment ACTION G20110191.msg (2560 Bytes) cannot be converted to PDF format.

Attachment ACTION G20110174.msg (2560 Bytes) cannot be converted to PDF format.

Attachment FW Please immediately close older reactors for.msg (2560 Bytes) cannot be converted to PDF format.

From:	Loyd, Susan
To:	Burnell, Scott
Cc:	Batkin, Joshua; Coggins, Angela; Brenner, Eliot
Subject:	FW: Revised press release language
Date:	Wednesday, March 23, 2011 2:58:50 PM
Attachments:	japan task force.Press Release FINAL DRAFT (3).docx
Importance:	High

Here is the revised press release. The Chairman is getting ready to sign it. Please coordinate your release with SECY. Thanks.
Susan

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

From: Burnell, Scott
Sent: Wednesday, March 23, 2011 2:51 PM
To: Batkin, Joshua; Loyd, Susan; Coggins, Angela
Cc: Brenner, Eliot
Subject: Revised press release language
Importance: High

Josh, Angela, Susan;

I understand we're just about there on the voting. I can incorporate whatever changes you have quickly in order to have the press release ready to go as soon as the button is pushed. Thanks very much.

Scott

TTTT/172

Attachment japan task force.Press Release FINAL DRAFT (3.docx (18906 Bytes) cannot be converted to PDF format.

From: Thadani, Mohan
To: Collins, Timothy; Burnell, Scott
Cc: Nelson, Robert
Subject: FW: Impact of Japan events on DORL
Date: Wednesday, March 23, 2011 3:25:51 PM

FYI

From: Markley, Michael
Sent: Wednesday, March 23, 2011 3:20 PM
To: Thadani, Mohan
Cc: Nelson, Robert
Subject: RE: Impact of Japan events on DORL

Mohan,

This should have little or no impact on you. Please seek authorization from the acting branch chief before responding to any inquiries. Also, please forward any existing inquiries through the Communications Team before expending time on them.

Mike

From: Thadani, Mohan
Sent: Wednesday, March 23, 2011 1:06 PM
To: Hall, Randy; Gibson, Lauren; Kalyanam, Kaly; Polickoski, James; Singal, Balwant; Wang, Alan; Wilkins, Lynnea
Cc: Burkhardt, Janet; Lent, Susan; Markley, Michael
Subject: RE: Impact of Japan events on DORL

Randy:

I agree with your assessment. When we have operated in this mode for a while, we can specify the impact.

Mohan

From: Hall, Randy
Sent: Wednesday, March 23, 2011 12:59 PM
To: Gibson, Lauren; Kalyanam, Kaly; Polickoski, James; Singal, Balwant; Thadani, Mohan; Wang, Alan; Wilkins, Lynnea
Cc: Burkhardt, Janet; Lent, Susan; Markley, Michael
Subject: Impact of Japan events on DORL

LPL4 PMs,

Our current direction is to maintain focus on our day-to-day Licensing activities, while supporting requests related to the Japan events as needed. Management is trying to assess the impacts on our work; specifically, what activities are not being done due to the emergent work? In my mind, this list could include cancelling travel or training, declining to support regional activities, or deferring periodic tasks like FSAR update reviews or commitment audits. Obviously, it is taking each of us longer to complete our assigned licensing actions as we are diverted to addressing event-related issues or questions.

TTTT/173

Please let me know if there are any activities that you have deferred or cancelled due to the emergent work. It's still early, so we might not have reached that point yet, but if you have any questions, let's discuss them.

Thanks,

Randy

From: Burnell, Scott
To: Loyd, Susan
Cc: Batkin, Joshua; Coggins, Angela
Subject: RE: Press Release on Japan and Task Force - REVISED
Date: Wednesday, March 23, 2011 3:29:00 PM

Got it, changes incorporated. Thanks!

From: Loyd, Susan
Sent: Wednesday, March 23, 2011 3:29 PM
To: Burnell, Scott
Cc: Batkin, Joshua; Coggins, Angela
Subject: Press Release on Japan and Task Force - REVISED

Scott:
Here is the "track changes" version. This is final. Thanks.
Susan

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

TTTT/174

From: Hiland, Patrick
To: Burnell, Scott
Subject: TALKING POINTS FOR GI-199
Date: Wednesday, March 23, 2011 4:40:02 PM

Scott the below is offered as talking points for GI-199. Any questions, please contact Meena Khanna.

****

GENERIC ISSUE 199, "IMPLICATIONS OF UPDATED PROBABILISTIC SEISMIC HAZARD ESTIMATES IN CENTRAL AND EASTERN UNITED STATES ON EXISTING PLANTS"

Objective of GI-199

The objective of the GI-199 Safety/Risk Assessment was to perform a conservative, screening-level assessment to evaluate if further investigations of seismic safety for operating reactors in the central and eastern U.S. (CEUS) was warranted consistent with NRC directives.

- Results of the GI-199 safety risk assessment are not final estimates of plant-specific seismic risk.
- The seismic hazard data and plant-level fragility assumptions were conservative estimates useful as a screening tool.
- The NRC does not rank plants by seismic risk.

Key Messages:

- Safety/Risk Assessment for GI-199 was completed in August 2010. It is publically available in ADAMS at ML100270582.
- Plants have adequate safety margin for seismic issues and are within their licensing basis.
- Overall seismic risk estimates remain small and adequate protection is maintained.
- Updates to seismic data and models indicate increased seismic hazard estimates for some operating nuclear power plant sites in the Central and Eastern United States.
- NRC has separate criteria for immediate action and for evaluating whether plant improvements may be imposed through a back-fit.
- The Safety/Risk Assessment used readily available information and found that for about one-quarter of the currently operating plants, the change in seismic hazard is enough to warrant further review.
- Action may include obtaining additional, updated information and developing methods to determine if plant improvements to reduce seismic risk are warranted.

Status of Operating Plants and Need for Actions due to Japanese Event:

- Existing plants were designed with considerable margin to be able to withstand

TTTT/175

ground motions from the largest earthquake expected in the area around the plant.

- During the mid-to late-1990s, the NRC staff reassessed the margin beyond the design basis as part of the Individual Plant Examination of External Events [IPEEE] program.
- The NRC's GI-199 safety/risk assessment concluded that the probability of exceeding the design basis ground motion may have increased by a small amount at some plants. Those results also indicate that the increased risks are lower than NRC's guidelines for taking immediate action.
- US plants are designed for appropriate earthquake levels and are safe.

Timeline for Preparation and Issuance of Generic Letter:

The NRC is conducting a regulatory assessment, which includes reviewing the seismic capacity for plants located in central and eastern United States based on the latest data and analysis techniques.

- NRC is working on developing a Generic Letter (GL) to request information from all affected plants (96 plants east of the Rockies).
- The GL is scheduled to be issued for public comment in the late spring 2011.
- Processes for review of the GL include a review by the NRC's Committee to Review Generic Requirements, and a review by the Advisory Committee on Reactor Safeguards (ACRS) both before and after the public comment period.
- GL should be issued by end of 2011, near the time the new consensus seismic hazard models become available.
- Consensus hazard models are being developed by NRC, DOE, and EPRI. In addition the USGS will review the model.

- Information requested from licensees will likely require 3 to 6 months to prepare. NRC's review will be on-going as information is collected.

- Based on NRC's review, a determination will be made regarding beneficial back-fits.

From: Bavol, Rochelle
To: Burnell, Scott
Cc: Vietti-Cook, Annette; Batkin, Joshua
Subject: Commission Meetings on Japan and Through June
Date: Wednesday, March 23, 2011 5:03:24 PM

Scott,

Since we are doing the Federal Register Notice to include all the meetings through June that are now on the Commission's calendar, You should have 4 meetings to list in the press release related to Japan:

4/14 – Status of NRC Response to Events in Japan: Radiological Consequences and Potential Health Effects
4/28 - Status of NRC Response to Events in Japan: Station Blackout
5/3 – Briefing on Task Force Review of the NRC Processes and Regulations Following the Events in Japan (30-day quick look)
6/16 - Briefing on Task Force Review of the NRC Processes and Regulations Following the Events in Japan (30-day quick look)

I understand the press release will point to the link for the Commission's meeting schedule on the public website, where the meetings through June will be listed tomorrow.

Rochelle

TTTT/176

From: OPA Resource

To: Ash, Darren; Barkley, Richard; Batkin, Joshua; Bell, Hubert; Belmore, Nancy; Bergman, Thomas; Bollwerk, Paul; Bonaccorso, Amy; Borchardt, Bill; Bozin, Sunny; Brenner, Eliot; Brock, Terry; Brown, Boris; Bubar, Patrice; Burnell, Scott; Burns, Stephen; Carpenter, Cynthia; Chandrathil, Prema; Clark, Theresa; Collins, Elmo; Couret, Ivonne; Crawford, Carrie; Cutler, Iris; Dacus, Eugene; Dapas, Marc; Davis, Roger; Dean, Bill; Decker, David; Dricks, Victor; Droggitis, Spiros; Flory, Shirley; Franovich, Mike; Gibbs, Catina; Haney, Catherine; Hannah, Roger; Harbuck, Craig; Harrington, Holly; Hasan, Nasreen; Hayden, Elizabeth; Holahan, Gary; Holahan, Patricia; Holian, Brian; Jacobssen, Patricia; Jaczko, Gregory; Jasinski, Robert; Jenkins, Verlyn; Johnson, Michael; Jones, Andrea; Kock, Andrea; Kotzalas, Margie; Ledford, Joey; Lee, Samson; Leeds, Eric; Lepre, Janet; Lew, David; Lewis, Antoinette; Loyd, Susan; Magwood, William; McCrary, Cheryl; McGrady-Finneran, Patricia; McIntyre, David; Mensah, Tanya; Mitlyng, Viktoria; Monninger, John; Montes, David; Nieh, Ho; Ordaz, Vonna; Ostendorff, William; Owen, Lucy; Powell, Amy; Quesenberry, Jeannette; Reddick, Darani; Regan, Christopher; Reyes, Luis; Riddick, Nicole; RidsSecyMailCenter Resource; Riley (OCA), Timothy; Rohrer, Shirley; Samuel, Olive; Satorius, Mark; Schaaf, Robert; Schmidt, Rebecca; Scott, Catherine; Screnci, Diane; Shaffer, Vered; Shane, Raeann; Sharkey, Jeffry; Sheehan, Neil; Sheron, Brian; Siurano-Perez, Osiris; Steger (Tucci), Christine; Svinicki, Kristine; Tabatabai, Omid; Tannenbaum, Anita; Taylor, Renee; Temp, WDM; Thomas, Ann; Uhle, Jennifer; Uselding, Lara; Vietti-Cook, Annette; Virgilio, Martin; Virgilio, Rosetta; Walker-Smith, Antoinette; Weaver, Doug; Weber, Michael; Weil, Jenny; Werner, Greg; Wiggins, Jim; Williams, Evelyn; Zimmerman, Roy; Zorn, Jason

Subject: Press Release: NRC Experts Deploy to Japan as Part of U.S. Government Response

Date: Wednesday, March 23, 2011 5:21:02 PM

Attachments: 11-055.pdf

To be released in 15 minutes.

Office of Public Affairs
US Nuclear Regulatory Commission
301-415-8200
opa.resource@nrc.gov

TTTT/177

NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION
Office of Public Affairs Telephone: 301/415-8200
Washington, D.C. 20555-0001
E-mail: opa.resource@nrc.gov Site: www.nrc.gov
Blog: http://public-blog.nrc-gateway.gov

No. 11-055 March 23, 2011

NUCLEAR REGULATORY COMMISSION DIRECTS STAFF ON CONTINUING AGENCY RESPONSE TO JAPAN EVENTS; ADJUSTS COMMISSION SCHEDULE

The Nuclear Regulatory Commission has voted to launch a two-pronged review of U.S. nuclear power plant safety in the aftermath of the March 11 earthquake and tsunami and the resulting crisis at a Japanese nuclear power plant.

The Commission supported the establishment of an agency task force, made up of current senior managers and former NRC experts with relevant experience. The task force will conduct both short- and long-term analysis of the lessons that can be learned from the situation in Japan, and the results of their work will be made public.

"Our focus is always on ensuring the health and safety of the American people through our licensing and oversight of plants and radioactive materials in this country," Chairman Jaczko said. "Examining all the available information from Japan is essential to understanding the event's implications for the United States. We will perform a systematic and methodical review to see if there are changes that should be made to our programs and regulations to ensure protection of public health and safety."

The Commission set an aggressive schedule for the task force to provide formal updates on the short-term effort in 30, 60 and 90 days. NRC senior technical staff provided the Commission a 90-minute briefing on Monday, as a first step. The staff reiterated their conclusions that the United States and its territories will avoid any harmful radiation levels as a result of the ongoing events at the Fukushima Daiichi plant damaged by the quake and subsequent tsunami.

NRC inspectors who are posted at every U.S. nuclear power plant will also support the task force's short-term effort, supplemented as necessary by experts from the agency's regional and headquarters offices.

"This work will help determine if any additional NRC responses, such as Orders requiring immediate action by U.S. plants, are called for, prior to completing an in-depth investigation of the information from events in Japan," said NRC Executive Director for Operations Bill Borchardt.

The longer-term review will inform any permanent NRC regulation changes determined to be necessary. The Commission said it hopes the task force can begin the long-term evaluation in no later than 90 days, and added that the task force should provide a report with recommended actions within six months of the beginning of that effort.

The Commission also decided to revise its schedule for meetings and briefings to allow ample focus on the agency's response to events in Japan. Open Commission meetings on the status of the NRC response to the Japan earthquake are scheduled for April 14 and 28, a meeting on the staff's 30-day response is planned for May 3 and a meeting on the staff's 60-day response is planned for June 16. A revised Commission meeting schedule will be posted shortly on the NRC website.

###

News releases are available through a free *listserv* subscription at the following Web address: http://www.nrc.gov/public-involve/listserver.html. The NRC homepage at www.nrc.gov also offers a SUBSCRIBE link. E-mail notifications are sent to subscribers when news releases are posted to NRC's website.

From: Diane.JACKSON@oecd.org
To: Johnson, Michael
Subject: RE: CNRA Bureau summary and update CNRA Op Plan
Date: Wednesday, March 23, 2011 9:59:42 AM

Hi Mike –

Thanks for the message. I hear this reply is late. As you have talked with Javier.
But I had already crafted part of my response...
Your opinion on what should be done is important. Internally, we have started talking about what should be done in June for either CNRA, modifying the long-term operation forum, or both.

At this point, the Forum programme is unchanged. However, Javier and I have a conference call set up with Mike Weightman for Monday. There will also be a conference call with Jacques Repussard for CSNI. Eric has also suggested an exchange of information by all of the countries for the actions taken in their own country for the CNRA meeting. Clearly everyone will want to talk about it.

We have contacted the WG chairs for them to discuss the event at their next WG meeting, identify if there is a task they should undertake, and report at the June CNRA meeting. WGOE and WGIP do not meet until after the CNRA meeting this year because of the WGOE workshop, but those WG leadership teams are talking. Of course, CNRA could direct any of them to do something as well. No doubt, WGOE will write a report on regulatory responses.

BTW - Cindy asked if the NRC giving a CFSI presentation in June needed to be stated in the bureau summary. A presentation on a significant event or item is an agenda item for every CNRA meeting for any country. Countries just have to inform us at some point so we allot time in the agenda for it. If you would like to have that or more in the summary, just let me know. I'd be happy to include it for you.

Diane Jackson, Nuclear Safety Specialist
Nuclear Safety Division, OECD Nuclear Energy Agency (NEA)
Tel.: +33 (0)1 45 24 10 55, Diane.Jackson@oecd.org

From: Johnson, Michael [mailto:Michael.Johnson@nrc.gov]
Sent: Wednesday, March 23, 2011 00:25
To: JACKSON Diane, NEA/SURN
Subject: RE: CNRA Bureau summary and update CNRA Op Plan

Thanks Diane. What is CNRA doing regarding the event in Japan? I know it is early, but is anything being planned. At some point, we will want to compare lessons learned.

Mike

From: Diane.JACKSON@oecd.org [mailto:Diane.JACKSON@oecd.org]
Sent: Tuesday, March 22, 2011 10:39 AM
To: greg.rzentkowski@cnsc-ccsn.gc.ca; jean-christophe.niel@asn.fr; nakamura-koichiro1@meti.go.jp; adeline.clos@asn.fr; Cullingford, Michael; Astwood, Heather; mike.weightman@hse.gsi.gov.uk; michael.herttrich@bmu.bund.de; ohmura-tetsuo@meti.go.jp; len.creswell@hse.gsi.gov.uk;

marta.ziakova@ujd.gov.sk; Leeds, Eric; Johnson, Michael
Subject: CNRA Bureau summary and update CNRA Op Plan

Dear CNRA Bureau –

Please find attached the summary of the bureau meeting. Also attached it the update Operating Plan based on the meeting summary. Of note, subsections 5.5 and 5.6 are been added/expanded.

Diane Jackson, Nuclear Safety Specialist
Nuclear Safety Division, OECD Nuclear Energy Agency (NEA)
Tel.: +33 (0)1 45 24 10 55, Diane.Jackson@oecd.org

From:	Johnson, Michael
To:	"Diane.JACKSON@oecd.org"; "Jean-Christophe.NIEL@asn.fr"; Leeds, Eric; "Mike.Weightman@hse.gsi.gov.uk"
Cc:	"Adeline.CLOS@asn.fr"; Astwood, Heather; Rosales-Cooper, Cindy; "Javier.REIG@oecd.org"; "Lindsey.Moore@hse.gsi.gov.uk"; "Gail.Scowcroft@hse.gsi.gov.uk"; Sprogeris, Patricia
Subject:	Re: CNRA leadership team: Confernece call
Date:	Wednesday, March 23, 2011 11:13:34 AM

17:30 work best for me.
From my blackberry.

From: Diane.JACKSON@oecd.org <Diane.JACKSON@oecd.org>
To: Jean-Christophe.NIEL@asn.fr <Jean-Christophe.NIEL@asn.fr>; Leeds, Eric; Johnson, Michael; Mike.Weightman@hse.gsi.gov.uk <Mike.Weightman@hse.gsi.gov.uk>
Cc: Adeline.CLOS@asn.fr <Adeline.CLOS@asn.fr>; Astwood, Heather; Rosales-Cooper, Cindy; Javier.REIG@oecd.org <Javier.REIG@oecd.org>; Lindsey.Moore@hse.gsi.gov.uk <Lindsey.Moore@hse.gsi.gov.uk>; Gail.Scowcroft@hse.gsi.gov.uk <Gail.Scowcroft@hse.gsi.gov.uk>
Sent: Wed Mar 23 11:02:46 2011
Subject: CNRA leadership team: Confernece call

Dear Mike, Jean-Christophe, Eric and Mike –

As the CNRA leadership team, we would like to have a discussion on the CNRA/NEA response to the Japanese events.

Mike W. proposes these times:
Monday 28 March 14:30 – 15:00 (8:30-9 US, 15:30-16:00 Paris) or
Monday 28 March 17:30 – 18:30 (11:30-12:30 US, 18:30-19:30 Paris)

Please let me know your availability and/or preference.

We have already asked the WG chairs to lead a discussion to identify activities that their WG thinks should be undertaken and to report to the CNRA in June.

For the conference call:

- What type of session do we want to address this at June CNRA meeting?
- Are there tasks that you like the CNRA, CSNI, MDEP to undertake, and by what group(s) or a special task group?
- Should operating NPPs and new builds be separate activities?
- With all of these, what should be our time lines? Near-term actions and longer-term actions.
- What changes, if any, should be made to the programme of the LTO Forum?

Diane Jackson, Nuclear Safety Specialist
Nuclear Safety Division, OECD Nuclear Energy Agency (NEA)
Tel.: +33 (0)1 45 24 10 55, Diane.Jackson@oecd.org

From: Johnson, Michael
To: Leeds, Eric
Subject: FW: CNRA leadership team: Confernece call
Date: Wednesday, March 23, 2011 11:29:00 AM

We have had discussions with Javier regarding this. Our thinking is that MDEP needs to be thinking about this from a new reactor perspective. But also, for operating plants, the issues are more immediate. I think we should try to get CNRA to move on this a little more quickly than they normally do.

From: Diane.JACKSON@oecd.org [mailto:Diane.JACKSON@oecd.org]
Sent: Wednesday, March 23, 2011 11:03 AM
To: Jean-Christophe.NIEL@asn.fr; Leeds, Eric; Johnson, Michael; Mike.Weightman@hse.gsi.gov.uk
Cc: Adeline.CLOS@asn.fr; Astwood, Heather; Rosales-Cooper, Cindy; Javier.REIG@oecd.org; Lindsey.Moore@hse.gsi.gov.uk; Gail.Scowcroft@hse.gsi.gov.uk
Subject: CNRA leadership team: Confernece call

Dear Mike, Jean-Christophe, Eric and Mike –

As the CNRA leadership team, we would like to have a discussion on the CNRA/NEA response to the Japanese events.

Mike W. proposes these times:
Monday, 28 March 14:30 – 15:00 (8:30-9 US, 15:30-16:00 Paris) or
Monday, 28 March 17:30 – 18:30 (11:30-12:30 US, 18:30-19:30 Paris)

Please let me know your availability and/or preference.

We have already asked the WG chairs to lead a discussion to identify activities that their WG thinks should be undertaken and to report to the CNRA in June.

For the conference call:

- What type of session do we want to address this at June CNRA meeting?
- Are there tasks that you like the CNRA, CSNI, MDEP to undertake, and by what group(s) or a special task group?
- Should operating NPPs and new builds be separate activities?
- With all of these, what should be our time lines? Near-term actions and longer-term actions.
- What changes, if any, should be made to the programme of the LTO Forum?

Diane Jackson, Nuclear Safety Specialist
Nuclear Safety Division, OECD Nuclear Energy Agency (NEA)
Tel.: +33 (0)1 45 24 10 55, Diane.Jackson@oecd.org

From: Burnell, Scott
To: SIMON LOMAX, BLOOMBERG/ NEWSROOM:
Subject: RE: Re:This note is arrving 15 minutes from now
Date: Wednesday, March 23, 2011 5:49:00 PM

---

http://www.nrc.gov/reading-rm/doc-collections/commission/recent/2011/

From: SIMON LOMAX, BLOOMBERG/ NEWSROOM: [mailto:slomax@bloomberg.net]
Sent: Wednesday, March 23, 2011 5:44 PM
To: Burnell, Scott
Subject: RE: Re:This note is arrving 15 minutes from now

thanks scott. so, where do i find the order itself?

From: Scott Burnell<Scott.Burnell@nrc.gov>
To: SIMON LOMAX, BLOOMBERG/ NEWSROOM:
Subject: RE: Re:This note is arrving 15 minutes from now
Date: 3/23/2011 17:34:33

Well then... Technology's faster than I thought. Fire away.

From: SIMON LOMAX, BLOOMBERG/ NEWSROOM: [mailto:slomax@bloomberg.net]
Sent: Wednesday, March 23, 2011 5:30 PM
To: Burnell, Scott
Subject: RE: Re:This note is arrving 15 minutes from now

actually it just posted on the web
http://www.nrc.gov/reading-rm/doc-collections/news/2011/

From: Scott Burnell<Scott.Burnell@nrc.gov>
To: SIMON LOMAX, BLOOMBERG/ NEWSROOM:
Subject: RE: Re:This note is arrving 15 minutes from now
Date: 3/23/2011 17:27:31

Yup

From: SIMON LOMAX, BLOOMBERG/ NEWSROOM: [mailto:slomax@bloomberg.net]
Sent: Wednesday, March 23, 2011 5:26 PM
To: Burnell, Scott
Subject: Re:This note is arrving 15 minutes from now

so embargoed to 5:40pm?

From: Scott Burnell<Scott.Burnell@nrc.gov>
To: SIMON LOMAX, BLOOMBERG/ NEWSROOM:
Subject: This note is arrving 15 minutes from now

Date: 3/23/2011 17:22:40

OK? Please don't hit your version of "send" until 5:40 EDT/

NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION
Office of Public Affairs Telephone: 301/415-8200
Washington, D.C. 20555-0001
E-mail: opa.resource@nrc.gov Site: www.nrc.gov
Blog: http://public-blog.nrc-gateway.gov

No. 11-055 March 23, 2011

NUCLEAR REGULATORY COMMISSION DIRECTS STAFF ON CONTINUING AGENCY RESPONSE TO JAPAN EVENTS; ADJUSTS COMMISSION SCHEDULE

The Nuclear Regulatory Commission has voted to launch a two-pronged review of U.S. nuclear power plant safety in the aftermath of the March 11 earthquake and tsunami and the resulting crisis at a Japanese nuclear power plant.

The Commission supported the establishment of an agency task force, made up of current senior managers and former NRC experts with relevant experience. The task force will conduct both short- and long-term analysis of the lessons that can be learned from the situation in Japan, and the results of their work will be made public.

"Our focus is always on ensuring the health and safety of the American people through our licensing and oversight of plants and radioactive materials in this country," Chairman Jaczko said. "Examining all the available information from Japan is essential to understanding the event's implications for the United States. We will perform a systematic and methodical review to see if there are changes that should be made to our programs and regulations to ensure protection of public health and safety."

The Commission set an aggressive schedule for the task force to provide formal updates on the short-term effort in 30, 60 and 90 days. NRC senior technical staff provided the Commission a 90-minute briefing on Monday, as a first step. The staff reiterated their conclusions that the United States and its territories will avoid any harmful radiation levels as a result of the ongoing events at the Fukushima Daiichi plant damaged by the quake and subsequent tsunami.

NRC inspectors who are posted at every U.S. nuclear power plant will also support the task force's short-term effort, supplemented as necessary by experts from the agency's regional and headquarters offices.

"This work will help determine if any additional NRC responses, such as Orders requiring immediate action by U.S. plants, are called for, prior to completing an in-depth investigation of the information from events in Japan," said NRC Executive Director for Operations Bill Borchardt.

The longer-term review will inform any permanent NRC regulation changes determined to be necessary. The Commission said it hopes the task force can begin the long-term evaluation in no later than 90 days, and added that the task force should provide a report with recommended actions within six months of the beginning of that effort.

The Commission also decided to revise its schedule for meetings and briefings to allow ample focus on the agency's response to events in Japan. Open Commission meetings on the status of the NRC response to the Japan earthquake are scheduled for April 14 and 28, a meeting on the staff's 30-day response is planned for May 3 and a meeting on the staff's 60-day response is planned for June 16. A revised Commission meeting schedule will be posted shortly on the NRC website.

###

From: Xie, Yanmei
To: Xie, Yanmei
Subject: Story on hydrogen explosion mystery
Date: Wednesday, March 23, 2011 5:55:21 PM

Thank you for helping me with the following story. The mystery is not solved yet, so if you have any clue, let me know!

Nucleonics Week (24-Mar-11)

Suspected hydrogen explosions in Japan puzzle US industry, experts

US regulators, industry experts and independent scientists are searching for explanations to the three explosions, suspected to be caused by hydrogen buildups, that damaged reactor buildings at three units at Japan's Fukushima I nuclear power plant and complicated efforts to stabilize the units in the wake of an earthquake and tsunami March 11.

Satellite photos show the blasts tore open the roofs of reactor buildings at units 1, 3 and 4. NRC's Executive Director for Operations William Borchardt told the commission in a March 21 briefing that agency staff believes "hydrogen accumulation in the upper levels of the reactor buildings" caused the explosions. At unit 2, plant operator Tokyo Electric Power Co., reported March 14 an "extraordinary sound" inside the building. The IAEA said it was likely that the sound was from a hydrogen explosion and that the containment vessel may have been damaged as a result.

How the hydrogen gathered and exploded inside the reactor buildings ranks among the top questions the US industry seeks to solve, said David Helwig, interviewed after a March 18 Nuclear Energy Institute meeting about industry response to the Japanese events. President of Helwig Consulting Services, which specializes on nuclear design and engineering, Helwig said he was asked during the meeting to list priorities for future investigations at Fukushima I, also known as Fukushima Daiichi.

When fuel rods heat up due to insufficient cooling, as happened at Fukushima I, the zirconium alloy in the fuel rods reacts with steam and produces a large amount of hydrogen. Helwig said the hydrogen at Fukushima could only have come from three places: the ventilation systems that connect primary containments to the atmosphere, the spent fuel pools above the primary containments, or "the containment was breached in some manner such that the hydrogen leaked out of the containment into the reactor building."

Containment leak

The Japan Atomic Industrial Forum, the country's nuclear power industry group, said March 15 that the containment vessel at Fukushima I-2 was suspected to be "damaged." A day before — the day of a suspected hydrogen explosion at the unit — the group said its containment was "not damaged." JAIF said March 18 unit 3's containment vessel "might not be damaged," a revision from its March 16 assessment of "damage suspected." It said the vessels at units 1, 4, 5 and 6 are "not damaged."

Helwig said, "It appears from everything we can tell that their primary containments are in fact intact" before the explosions, because pressures built up and held inside.

After Tepco lost power to cool the reactor cores, pressure started building inside the containment vessels, presumably from steam accumulation when the fuel rods started boiling water surrounding them. According to a March 12 statement by the Japanese Nuclear and Industrial Safety Agency, the country's nuclear regulator, the containment pressure at unit 1 may have increased to more than double the designed maximum level.

David Lochbaum, who taught BWR designs at the NRC's training center, said the containment vessel cannot be ruled out as a source for hydrogen leakage at Fukushima I. It is an "unsolved riddle," said Lochbaum in a March 18 report released by the Union of Concerned Scientists, "how a significant amount of hydrogen escaped from the primary containment into the reactor building." Lochbaum is now director of the nuclear safety

project at the group. He said in the report, "A little-known test performed decades ago at the Brunswick nuclear plant in North Carolina may hold the key to answering that question."

According to Lochbaum, workers at Brunswick-2, which also has the Mark I containment — a design by General Electric used at units 1, 2 and 3 at Fukushima I — performed "a structural integrity test on the reactor" in the 1970s, in order "to satisfy a requirement in the American Society of Mechanical Engineers (ASME) code for prototype containment designs."

Progress says the test is required of all containments before reactors enter service.

He said workers pumped air into the containment vessel to raise the pressure inside beyond the designed maximum of 62 pounds per square inch to 71 psi, but that the pressure stayed constant at 70 psi. "A hissing sound attracted workers to the top of the containment structure," said Lochbaum. Workers discovered that the air pushed up the metal containment head, which is bolted to the containment wall "with a rubber O-ring between the surfaces," and seeped out into the refueling cavity above the primary containment, he said.

"It is possible that the containment pressures [at Fukushima I units] rose high enough to replicate the Brunswick experience," he said.

But while containment leakage in the Brunswick test prevented the pressure inside from rising above 70 psi, Japan's NISA reported that pressure in the containment of unit 1 at Fukushima I had exceeded 120 psi a day after the reactor had lost cooling. Tepco reported that the containment vessel pressure at unit 2 had reached above 102 psi.

In a March 21 e-mail, Lochbaum said he learned of the Brunswick test through "someone intimately involved" in it.

Ryan Mosier, a spokesman for Progress Energy, which owns Brunswick, confirmed in a March 23 e-mail that the test did occur just before Brunswick-2 went into service "to verify that the structure would respond as designed under worst-case conditions." But he added that the documentation Progress has on file about the test — which he said the company cannot share with Platts — "does not spell out in any detail the conclusions arrived at in the Lochbaum analysis."

Mosier also said the company shared the test results with NRC and made no modifications to the containment "as a result of this test as the containment performed as expected."

He said both units at Brunswick have reinforced concrete containments, which "is a more robust design" compared to steel containments at other Mark I reactors. In addition, Mosier said Brunswick has made changes over the years to strengthen the containments.

It is unclear whether the Mark I containments at Fukushima I were made of steel or reinforced concrete and whether modifications have been made since they were built.

Ventilation system

As steam accumulated and pressure rose in the containment vessels, Tepco released some steam outside the reactor buildings at all three units. Helwig said it is possible that some steam mixed with hydrogen had escaped into the reactor building during the venting.

The original Mark I design came with a so-called standby gas treatment system, or SGTS, to vent steam under emergency situations. Such a system first scrubs most radioactive particles out of the steam through filters and then releases it through the ventilation stack to the atmosphere. Fukushima I units 1, 2 and 3 are still equipped with the SGTS system, said a Tepco official, who requested anonymity because he is not authorized to speak to the press.

The SGTS uses ductwork, which is susceptible to leaking because it is not air tight and is not designed to withstand significant pressures, to channel steam, said Helwig.

NRC in the 1980s requested that all US plants with Mark I containments install hardened vents, replacing ductwork with hard pipes, according to a March 19 report on the Mark I by GE Hitachi, the company that combined the nuclear operations of GE and Hitachi.

Borchardt told NRC commissioners that all US Mark I reactors now have hardened vents, which he said would not allow hydrogen to leak during venting.

Alexander Marion, vice president of nuclear operations for NEI, said in an interview March 22 that US industry experts assume that Fukushima I reactors do not have hardened

vents, "because somehow they were releasing hydrogen into the secondary containment, but we just don't know."

The Tepco official, who answered questions through emails, however, said the ductwork SGTS was not used at Fukushima I for venting, "because the pressure of the containment vessel was high." Instead, he said, the company used an alternative vent called the direct release line, which can withstand high pressure, to blow off steam and cut pressure inside the containments. "The direct vent line we used this time is hardened pipe designed for severe accident case," he said.

Spent Fuel Pools

Helwig said the hydrogen could have also originated from the spent fuel pools sitting inside the reactor buildings "like a penthouse" above the primary containments. NRC's Borchardt also said those pools, which are also on the same levels as the suspected locations of explosions, could have been the source of the hydrogen. "The hardened vent wouldn't do anything to help hydrogen that came from the spent fuels pools," he said.

The fuel rods, which stand in a rack at the bottom of the pool, with "30 feet of water on top of them" have to be "uncovered to some degree and exposed to steam" to generate hydrogen, said Helwig.

"You are talking about a matter of days without cooling for that water to heat up substantially," he said, because the remaining heat in the spent fuel is "quite low" compared to the fuel in the reactor core. It would take even longer for the water in the pool to evaporate and expose the spent fuel rods, he said. The explosions at Fukushima happened two or three days after the reactors lost cooling. "The timeline for that doesn't quite add up for us," he said.

But Helwig also said it was possible that the earthquake had shaken the pools and splashed some water out.

NEI has said structural damage could cause leaks that would drain the pools quickly.

Tepco has been using helicopters and spray trucks since last week to refill water to the spent fuel pool at unit 3, which lost its reactor building roof after the explosion. The Japan Atomic Industrial Forum said March 17 that the water level in that pool was low and that some fuel may have been damaged. French nuclear authorities said last week that the water in the pool might be boiling before the refill.

Helwig said it is one of the top priorities for the US industry to find out "what in the world happened around the spent fuel pools" at Fukushima I.

The Tepco official said it will take "further investigation" to determine the exact locations and the causes for the hydrogen explosions.

NRC Chairman Gregory Jaczko said March 16 at a Senate hearing on the Fukushima I crisis that he had been told that there was no water remaining in the spent fuel pool at unit 4. A Tepco spokesman later denied that assertion. That unit, which also experienced structural damage from an explosion, was not operating at the time of the earthquake and had all fuel removed lat year to the spent fuel pool.

Emergency workers have sprayed thousands of tons of water into some of the spent fuel pools at the plant since March 11 to attempt to keep the fuel covered.

—Yanmei Xie and William Freebairn, Washington

Yanmei Xie
Associate Editor
Platts Nuclear Publications
Office: (202) 383-2161
Mobile: (202) 701-0025
www.platts.com

From:	Couret, Ivonne
To:	Burnell, Scott; McIntyre, David; Brenner, Eliot; Dricks, Victor; Uselding, Lara; Mitlyng, Viktoria; Chandrathil, Prema; Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey
Cc:	Janbergs, Holly; Hayden, Elizabeth; Harrington, Holly
Subject:	In Case you need the SRM -COMGBJ-11-0002 - NRC Actions Following the Events in Japan
Date:	Wednesday, March 23, 2011 6:16:09 PM

03/23/2011 COMGBJ-11-0002 NRC Actions Following the Events in Japan

If reporters reach out to you - Page link to the document:
http://www.nrc.gov/reading-rm/doc-collections/commission/recent/2011/

Ivonne L. Couret
Public Affairs Officer
Office of Public Affairs
Media Desk
opa.resource@nrc.gov
301-415-8200

Visit our online photo gallery. Incorporate graphics and photographs to tell your story!
http://www.nrc.gov/reading-rm/photo-gallery/

2010-2011 Information Digest - Where you can find NRC Facts at a Glance
http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1350/

TTTT/181

From:	Daly, Matthew
To:	Brenner, Eliot; Burnell, Scott
Subject:	FW: Nuclear Regulatory Commission Directs Staff on Continuing Agency Response to Japan Events; Adjusts Commission Schedule
Date:	Wednesday, March 23, 2011 6:42:56 PM
Attachments:	11-055.pdf ATT00001..txt

On timing, short-term review due in late June and longer review by end of year, right?

From: opa administrators [mailto:opa@nrc.gov]
Sent: Wednesday, March 23, 2011 6:48 PM
To: Daly, Matthew
Subject: Nuclear Regulatory Commission Directs Staff on Continuing Agency Response to Japan Events; Adjusts Commission Schedule

TTTT/182

NRC NEWS

U.S. NUCLEAR REGULATORY COMMISSION
Office of Public Affairs Telephone: 301/415-8200
Washington, D.C. 20555-0001
E-mail: opa.resource@nrc.gov Site: www.nrc.gov
Blog: http://public-blog.nrc-gateway.gov

No. 11-055 March 23, 2011

NUCLEAR REGULATORY COMMISSION DIRECTS STAFF ON CONTINUING AGENCY RESPONSE TO JAPAN EVENTS; ADJUSTS COMMISSION SCHEDULE

The Nuclear Regulatory Commission has voted to launch a two-pronged review of U.S. nuclear power plant safety in the aftermath of the March 11 earthquake and tsunami and the resulting crisis at a Japanese nuclear power plant.

The Commission supported the establishment of an agency task force, made up of current senior managers and former NRC experts with relevant experience. The task force will conduct both short- and long-term analysis of the lessons that can be learned from the situation in Japan, and the results of their work will be made public.

"Our focus is always on ensuring the health and safety of the American people through our licensing and oversight of plants and radioactive materials in this country," Chairman Jaczko said. "Examining all the available information from Japan is essential to understanding the event's implications for the United States. We will perform a systematic and methodical review to see if there are changes that should be made to our programs and regulations to ensure protection of public health and safety."

The Commission set an aggressive schedule for the task force to provide formal updates on the short-term effort in 30, 60 and 90 days. NRC senior technical staff provided the Commission a 90-minute briefing on Monday, as a first step. The staff reiterated their conclusions that the United States and its territories will avoid any harmful radiation levels as a result of the ongoing events at the Fukushima Daiichi plant damaged by the quake and subsequent tsunami.

NRC inspectors who are posted at every U.S. nuclear power plant will also support the task force's short-term effort, supplemented as necessary by experts from the agency's regional and headquarters offices.

"This work will help determine if any additional NRC responses, such as Orders requiring immediate action by U.S. plants, are called for, prior to completing an in-depth investigation of the information from events in Japan," said NRC Executive Director for Operations Bill Borchardt.

The longer-term review will inform any permanent NRC regulation changes determined to be necessary. The Commission said it hopes the task force can begin the long-term evaluation in no later than 90 days, and added that the task force should provide a report with recommended actions within six months of the beginning of that effort.

The Commission also decided to revise its schedule for meetings and briefings to allow ample focus on the agency's response to events in Japan. Open Commission meetings on the status of the NRC response to the Japan earthquake are scheduled for April 14 and 28, a meeting on the staff's 30-day response is planned for May 3 and a meeting on the staff's 60-day response is planned for June 16. A revised Commission meeting schedule will be posted shortly on the NRC website.

###

News releases are available through a free *listserv* subscription at the following Web address: http://www.nrc.gov/public-involve/listserver.html. The NRC homepage at www.nrc.gov also offers a SUBSCRIBE link. E-mail notifications are sent to subscribers when news releases are posted to NRC's website.

Rosales-Cooper, Cindy

From: Rosales-Cooper, Cindy
Sent: Thursday, March 24, 2011 4:37 PM
To: Smiroldo, Elizabeth; Cullingford, Michael
Cc: Abrams, Charlotte; Young, Francis; Kohut, Peter
Subject: RE: safety standards

NRO will provide our response by next Friday, April 1. Let me know if you think you need it sooner.

Cindy

From: Smiroldo, Elizabeth
Sent: Wednesday, March 23, 2011 4:58 PM
To: Cullingford, Michael; Rosales-Cooper, Cindy
Cc: Abrams, Charlotte; Young, Francis; Kohut, Peter
Subject: FW: safety standards
Importance: High

Hello, Mike and Cindy,

Our Russian counterparts in Rostekhandzor are interested in obtaining information from us regarding our safety standards for NPP designs that are sited or planned to be sited in areas with high seismicity (see below).

Would it be possible to obtain this information (perhaps on a disk that we could send to the via DHL)? I realize that other organizations are probably contacting you for the same items. Please let me know what we can do.

Best regards,
Elizabeth

Elizabeth Smiroldo
International Relations Officer
Office of International Programs
US Nuclear Regulatory Commission
Washington, DC 20555
301-415-3821

From: Измайлов Александр Станиславович [mailto:izmaylov@gosnadzor.ru]
Sent: Wednesday, March 23, 2011 9:06 AM
To: Smiroldo, Elizabeth
Cc: Kohut, Peter
Subject: safety standards

Dear Elizabeth,

Taking into account tragic events in Japan (especially incidents at NPP Fukushima-1) we began to study an international experience in the field of safety requirements for NPP designs, which are sited or is planned to be sited in the areas with high level of seismicity (possible 8-9-points earthquakes).

In this connection I would like to address you with a request. Which specific requirements are used in the USA for the NPP designs located in such areas? And which regulations are set these safety standards?

TTTT/183

With best regards,
Alexander

From:	RMTPACTSU_ELNRC
To:	LIA01 Hoc; LIA02 Hoc; LIA07 Hoc; LIA08 Hoc; LIA12 Hoc; LIA04 Hoc; LIA11 Hoc; Harrington, Holly; McIntyre, David; Burnell, Scott; ET07 Hoc
Subject:	FYI: Japan EQ and Tsunami Press Guidance - 03.24.11
Date:	Thursday, March 24, 2011 8:57:10 AM
Attachments:	110324 0830 EDT Japan EQ Talking Points.doc

Subject: Japan EQ and Tsunami Press Guidance - 03.24.11

Dear all,

Please find attached today's updated press guidance.

Best regards,

Helen Ho, Lily Frey, and Patricia Shea
Information Coordinators
Pacific Tsunami and Japan Earthquake Response Management Team
RMTPACTSU_INC@ofda.gov
202-712-0039

TTTT/184

Attachment 110324 0830 EDT Japan EQ Talking Points.doc (34304 Bytes) cannot be converted to PDF format.

From:	RMTPACTSU_ELNRC
To:	LIA11 Hoc; LIA01 Hoc; LIA02 Hoc; LIA07 Hoc; LIA08 Hoc; LIA12 Hoc; LIA04 Hoc; ET07 Hoc; Harrington, Holly; McIntyre, David; Burnell, Scott
Subject:	FYI: Fukushima Press Clips 3.24.11
Date:	Thursday, March 24, 2011 10:20:47 AM
Attachments:	Japan Clips 03.24.11.docx

Subject: Fukushima Clips 3.24.11

Please see attached. Thanks.

TTTT/185

Attachment Japan Clips 03.24.11.docx (488006 Bytes) cannot be converted to PDF format.

From:	RMTPACTSU_ELNRC
To:	LIA01 Hoc; LIA02 Hoc; ET07 Hoc; Harrington, Holly; Burnell, Scott; McIntyre, David
Subject:	FYI: WH blog post on japan
Date:	Thursday, March 24, 2011 11:02:17 AM

Subject: WH blog post on japan

Sorry about the delay on WH side in getting this up for us.

http://www.whitehouse.gov/blog/2011/03/23/usg-response-japan-earthquake-and-tsunami

TTTT/186

From: Burnell, Scott
To: David Biello
Subject: RE: Quick Q of my own
Date: Thursday, March 24, 2011 12:58:00 PM

Not to the best of my recollection, which of course ain't so "best" right now. I know we've reminded the industry since '08, formally through correspondence and informally at workshops, etc, that this issue demands their ongoing attention.

From: David Biello [mailto:dbiello@sciam.com]
Sent: Thursday, March 24, 2011 1:00 PM
To: Burnell, Scott
Subject: Re: Quick Q of my own

I can imagine. I'm filing that story now-ish though, so you have the couple of hours as it winds its way through the editing process to comment. Off the top of your head, though, any further incidents since 2008?

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 24, 2011, at 12:45 PM, Burnell, Scott wrote:

Not yet – I'm trying to tread water right now. Bear with me.

From: David Biello [mailto:dbiello@sciam.com]
Sent: Thursday, March 24, 2011 12:51 PM
To: Burnell, Scott
Subject: Re: Quick Q of my own

Got anything for me on counterfeit parts?

David Biello
Associate Editor, Environment & Energy
Scientific American

TTT T/187

75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 23, 2011, at 4:01 PM, Burnell, Scott wrote:

Answers below with your Qs – best I got now.

From: David Biello [mailto:dbiello@sciam.com]
Sent: Wednesday, March 23, 2011 11:15 AM
To: Burnell, Scott
Subject: Re: Quick Q of my own

A good word? Whatever for?

Now, on to serious business, here are my current crop of questions for the NRC:

(1) Why was VT Yankee relicensed? Will the Fukushima incident prompt any revisit of the issues given the plant is the same design?
The NRC conducted a multi-year technical and legal review of VY's supporting information regarding the requirements to be met in order to obtain a renewed license. That review concluded VY met all the pertinent requirements, and the Commission vote on March 10th cleared the way for the staff to issue the renewed license. The matters under review for license renewal are separate from the ongoing oversight of VY and every other reactor, so the Fukushima event does not change the NRC's conclusions on VY's renewal. The NRC will review all U.S. plants in light of information coming from events in Japan and the agency will determine if any short- or long-term changes are necessary at any plant.

(2) What is the NRC plan for an event at a nuclear power plant that eliminates the electric grid and backup diesel generators for days to weeks?
The NRC believes the combination of existing safety systems and the mitigative measures developed in the wake of the 9/11 attacks can keep U.S. plants in a condition that protects public health and safety until the grid or backup diesel power can be restored.

(3) How does the NRC respond to the AEC memos disclosing serious reservations about Mark I containment?
The NRC's actions in the 1980s and 1990s regarding Mark I containment issues significantly improved the Mark I's ability to deal with accident conditions. The agency continues to conclude the BWR Mark I containment design provides appropriate protection of public health and safety.

(4) How does the hardened vent added to Mark I containment help alleviate these problems, if at all?
The Mark I containment's hardened vent allows the emergency reactor cooling systems to continue their function concurrent with controlled releases of pressure from within containment, improving the design's ability to prevent core damage.

(5) What are the NRC's programs to cope with metal embrittlement, weld cracks and the like as a result of operational stress at the nation's aging fleet?
The NRC has an active program for early identification and resolution of material degradation issues, based on operational experience and ongoing materials research from several sources. Several varieties of weld cracks have been promptly and effectively dealt with through this program. Ongoing research into neutron bombardment of reactor vessels shows they are properly withstanding possible embrittlement effects.

(6) Given the potential for inhalation and ingestion, why is tritium considered not a risk?
Tritium is perhaps the weakest known radioactive substance, emitting only a weak beta particle. As it's almost invariably encountered as part of the water molecule, it's regularly flushed through the body with minimal retention.

(7) Given the 80-mile evacuation suggestion in Japan, how will the NRC revise its evacuation guidance to nuclear power plant operators?
The NRC's FIFTY-mile evacuation recommendation from March 16 reflected the agency's understanding of plant conditions at the time, as well as the possible progression of the accident. This is entirely specific to the Fukushima site; the NRC will only consider revisions to its regulations after a full examination of information from this event.

(8) How does the NRC respond to (your former employee) Lochbaum's 14 incident report?

(9) Given the leaks at Fukushima, any reconsideration of the AP-1000 design and its secondary containment building "vents" near the roof?

(10) Will there be any reconsideration of reracking and other spent fuel pool practices? How much fuel is in spent pools today?

(11) How is the NRC participating, if at all, in DOE studies of possible life extension to 80 years for the nuclear fleet? What is the NRC view on that possibility?
The NRC is a full participant into the ongoing research examining whether it is technically feasible to consider "second" renewals to extend reactor operating life to 80 years. The matter has yet to be decided.

Of course, these questions are just the tip of the iceberg. Let me know who can talk and when and thank you, as always, for your help.

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 22, 2011, at 2:59 PM, Burnell, Scott wrote:

If I was the drinking type you'd owe me a bottle of single-malt for handling that grenade. Kidding of course – I put in a good word for you, BTW.

From: David Biello [mailto:dbiello@sciam.com]
Sent: Tuesday, March 22, 2011 3:05 PM
To: Burnell, Scott
Cc: Davide Castelvecchi
Subject: Re: Quick Q of my own
Importance: High

Yes: dcastelvecchi@sciam.com

I put him on to you re: Orbach.

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 22, 2011, at 2:47 PM, Burnell, Scott wrote:

David;

Got an e-mail from Davide Castelvecchi at a gmail address – is there a Sciam one I should reply to for redundancy's sake?

Scott

From: David Biello [mailto:dbiello@sciam.com]
Sent: Tuesday, March 22, 2011 1:28 PM
To: Burnell, Scott
Subject: Re: how many reactors currently applied for?

Nah, must be something in the water. I'm going to be in touch shortly for the safety story I'm working on, so be thinking of some good NRC experts for me to talk to on licensing extensions... sir.

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 22, 2011, at 1:11 PM, Burnell, Scott wrote:

You are welcome, sir.

You guys all suddenly agree to be Mr. Polite or something? You're the second reporter to use "sir" and "please" today. :-)

From: David Biello [mailto:dbiello@sciam.com]
Sent: Tuesday, March 22, 2011 1:17 PM
To: Burnell, Scott
Subject: Re: how many reactors currently applied for?

Thank you sir.

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 22, 2011, at 1:04 PM, Burnell, Scott wrote:

Hi David;

Full list is here:

http://www.nrc.gov/reactors/new-reactors/new-licensing-files/expected-new-rx-applications.pdf

We're currently actively reviewing 12 applications for 20 potential new reactors.

Scott

From: David Biello [mailto:dbiello@sciam.com]
Sent: Tuesday, March 22, 2011 1:09 PM
To: Burnell, Scott
Subject: how many reactors currently applied for?

is it 20 or 25? just making sure i have most up to date number. and where can i find that number on your website?

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

From: Burnell, Scott
To: Harrington, Holly; Brenner, Eliot; Hayden, Elizabeth
Subject: FW: URGENT ACTION: NRR Issuance of a RIS Related to The Japan Earthquake By 3/25/11
Date: Thursday, March 24, 2011 1:27:00 PM
Importance: High

We need a press release, I'm the best option, but I'm flat-out with existing stuff. Perhaps Dave?

-----Original Message-----
From: Mensah, Tanya
Sent: Thursday, March 24, 2011 1:23 PM
To: McIntosh, Angela; Doolittle, Elizabeth; Sullivan, Frederick; Tabatabai, Omid
Cc: Hawes, Cathy; Rosenberg, Stacey; Hilton, Nick; Hill, Leslie; Donnell, Tremaine; QTE Resource; Burnell, Scott; OGCMailCenter Resource; Banic, Merrilee; Russell, Andrea
Subject: URGENT ACTION: NRR Issuance of a RIS Related to The Japan Earthquake By 3/25/11

Good afternoon:

NRR/DPR was assigned to develop a RIS today (it is due tomorrow). The only information that I have at the moment is the intent of the RIS (see below). Dave Beaulieu and Tom Alexion have the lead to develop the RIS. Tom Alexion plans to send a draft RIS to you all (or to a POC that you designate) either late today, or early tomorrow, with concurrence requested by 2:30 pm tomorrow (Friday) afternoon, if possible.

NRR may need a POC from your Office to concur on the RIS. The NRR technical leads have not yet identified the addressees that would be impacted and are still working on the RIS. Thus, if you believe your licensees would be impacted by issuance of this RIS (based upon the intent provided below), please advise us so that you can be added on concurrence. If you are not sure and need to see the draft prior to making a decision, that is fine. Please be sure to confirm with Tom who the POC is for your Office.

As soon as Tom has a draft available, he will forward it to you or the POC that you designate. In the meantime, please advise your senior management, as NRR will need expedited support (if the RIS is applicable to your licensees) to facilitate parallel concurrence.

I am also copying the contacts that normally review and concur on a RIS from OGC, OE, PMDA, OIS, and technical editor. OPA is copied for awareness only.

INTENT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this regulatory issue summary (RIS) to request that addressees with on-going environmental monitoring programs voluntary report to the NRC confirmed anomalous environmental radioactivity measurements likely caused by radioactive material released by the Fukushima Daiichi Nuclear Power Station in Japan following the March 11, 2011, Tohoku-Taiheiyou-Oki earthquake. This magnitude 9.0 earthquake and the subsequent tsunami caused significant damage to at least four of the six units of the Fukushima Daiichi Nuclear Power Station as the result of a sustained loss of both the offsite and on-site power systems. The information collected will be used to enhance the Federal and state monitoring programs.

Thanks again for your time and support,

Tanya Mensah, Generic Communications Program Manager
301-415-3610

TTTT/188

From: Harrington, Holly
To: Burnell, Scott
Subject: RE: Suggestion: "Can it happen here" FAQ ...
Date: Thursday, March 24, 2011 1:58:15 PM

I'll deal with.

From: Burnell, Scott
Sent: Thursday, March 24, 2011 12:59 PM
To: Harrington, Holly
Subject: FW: Suggestion: "Can it happen here" FAQ ...

Not in a position to deal with it right now...

From: Nelson, Robert
Sent: Thursday, March 24, 2011 12:57 PM
To: Burnell, Scott
Cc: Williams, Shawn
Subject: Suggestion: "Can it happen here" FAQ ...

Please consider the following suggestion from Shawn Williams, a TA in OEDO. I agree with his assessment.

NELSON

From: Williams, Shawn
Sent: Thursday, March 24, 2011 11:46 AM
To: Nelson, Robert
Subject: "Can it happen here" FAQ ...

Hi Nelson,

I'm not sure if you are right person, but since I think you are the SES lead on the communications for the Japan Crisis, I wanted to share my thoughts on the NRC's first statement in the publically available attachment, titled, **Frequently Asked Questions About the Japan Nuclear Crisis: "Can It Happen Here?"** found on NRR's website, http://www.nrc.gov/japan/japan-info.html in the "Blog" box.

Concerning the first FAQ,
Can the Japanese nuclear crisis happen here in the United States?
The events that have occurred in Japan are the result of a combination of highly unlikely natural disasters. These include the fifth largest earthquake in recorded history and the resulting devastating tsunami. It is highly unlikely that a similar event could occur in the United States.

It sounds to me we are telling the public that an earthquake with a resulting tsunami is an unlikely combination of natural disaster. However, everyone knows that earthquakes in an ocean cause a tsunami. And to tell the public that is highly unlikely, right after the Japanese, Haiti, and Indonesia earthquake/tsunami disasters would

TTT/189

seem to even bring less credibility to NRC's statement. To me, that FAQ could be isolated and used by the media or Jon Stewart to really discredit the NRC.

The second attachment, also found in the exact same place (and attached), I think, answer's that question much better and brings more credibility to the NRC. http://www.nrc.gov/japan/faqs-related-to-japan.pdf

I hope you consider removing that first FAQ.

Thanks for listening to my personal opinion. Please don't feel obligated to respond or take action. I know you are very busy.

Shawn

Shawn Williams
Executive Technical Assistant
Office of the Executive Director for Operations
301-415-1009

From: Harrington, Holly
To: Bonaccorso, Amy; Deavers, Ron; Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Subject: In case anyone cares
Date: Thursday, March 24, 2011 2:51:13 PM

Here is a link to an FDA alert re. food imports:
http://www.accessdata.fda.gov/cms_ia/importalert_621.html

FDA is working on some advice for our Customs officers re. packages arriving from Japan.

TTTT/190

From:	Harrington, Holly
To:	Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Cc:	Bonaccorso, Amy; Deavers, Ron
Subject:	DOE measurements from Japan, if anyone gets asked
Date:	Thursday, March 24, 2011 2:56:22 PM

DOE has made public the AMS radiological measurement data from the overflights in Japan. The web link is at http://energy.gov/news/10194.htm .

TTTT/ 191

From: Brenner, Eliot
To: Loyd, Susan; Hayden, Elizabeth; Burnell, Scott
Cc: Schmidt, Rebecca; Powell, Amy; Coggins, Angela; Hipschman, Thomas; Batkin, Joshua; Landau, Mindy; Ellmers, Glenn
Subject: RE: Annual Assessment Meetings
Date: Thursday, March 24, 2011 3:08:45 PM

Well, it's one of those wonderful damned if you do, damned if you don't situations to which there is no right answer.

Yes, each region is making its own decisions, and I think only a handful have been slipped, probably only in Region I. TMI is the one that comes to mind, and that was supposed to be this week if I recall. (BTW, the anniversaries of both TMI and Chernobyl are days away.)

If the chairman's office wants complete uniformity across the system, it needs to let that be known. If not, the regions will go their merry way.

I can assure you that OPA is feeding every bit of supportive material to the regional PAOs so that staff is well prepared for any end-of-cycle meeting.

The die has already been cast, at least for a handful of meetings. I believe if we are asked they can be attributed to there being no time to focus on the meeting and intense competing demands for staff during the early days/weeks of the Japan issue.

Eliot

From: Loyd, Susan
Sent: Thursday, March 24, 2011 2:52 PM
To: Brenner, Eliot; Hayden, Elizabeth; Burnell, Scott
Cc: Schmidt, Rebecca; Powell, Amy; Coggins, Angela; Hipschman, Thomas; Batkin, Joshua; Landau, Mindy; Ellmers, Glenn
Subject: Annual Assessment Meetings

Hi:
Tom, Angela and I were just discussing the upcoming annual assessment meetings. We see that some of the meetings are being postponed, but this appears to be a decision that is being made region-by-region. The postponements are related to additional inspections undertaken in response to Japan disaster.

As we have discussed, these meetings will likely draw much more attention than usual, due to the Japan situation and resulting heightened interest in everything nuclear.

TTTT/192

We are concerned about the messaging. People could logically ask why "their" meeting is postponed – does this mean it's unsafe? Is there something they are not being told? Or, if "their" meeting is not postponed, does this mean their plant is not getting the extra inspections that others are? Since there does not seem to be a pattern, it becomes much more difficult to explain.

The Chairman is testifying on the Hill next week in front of several committees. If members of Congress see that a plant/plants in their state or district either are having or not having their meeting, and question the rationale, this could be difficult for the Chairman to address.

Any thoughts?
Susan

Susan K. Loyd
Communications Director
Office of the Chairman
U.S. Nuclear Regulatory Commission
Tele: 301-415-1838
Susan.Loyd@nrc.gov

From: Burnell, Scott
To: Freebairn, William
Cc: Dolley, Steven
Subject: RE: licensing implications of fukushima
Date: Thursday, March 24, 2011 4:41:00 PM

Hi All;

The NRO staff's current schedule continues to call for final decisions on certifying the amended AP1000 later this year and the ESBWR by the end of the year. It is yet to be determined if events in Japan and the NRC's review of them will have any impacts on those schedules.

I'm checking on the TI. Thanks.

Scott

From: Freebairn, William [mailto:william_freebairn@platts.com]
Sent: Thursday, March 24, 2011 4:32 PM
To: Burnell, Scott
Cc: Dolley, Steven
Subject: RE: licensing implications of fukushima

Thanks, Scott, if you send via e-mail can you be sure to copy Steve Dolley, since I will be heading off to Browns Ferry in an hour and may not be able to check e-mail tomorrow morning.

Bill

William Freebairn
Senior Editor/Platts
(202) 383-2164

From: Burnell, Scott [mailto:Scott.Burnell@nrc.gov]
Sent: Thursday, March 24, 2011 11:58 AM
To: Freebairn, William
Subject: RE: licensing implications of fukushima

Hi Bill;

I'll get you what I can as soon as I can. Thanks in advance for your patience.

Scott

From: Freebairn, William [mailto:william_freebairn@platts.com]
Sent: Thursday, March 24, 2011 11:52 AM
To: Burnell, Scott
Subject: licensing implications of fukushima

Hi Scott, we're doing a story for Inside NRC on what the implications of the Fukushima review are on licensing actions such as renewals, design certifications and COLs. I am quoting some people saying NRC is likely to pause in making those decisions, others say the issuance of the Vermont Yankee renewal and the ESBWR rule publication are signs you will go forward with no change to schedules. Do you expect to continue licensing reviews as per previously issues schedules? Could resource

TTTT/193

From: Burnell, Scott
To: Harrington, Holly
Subject: Suggested language
Date: Thursday, March 24, 2011 4:44:00 PM

Mr. Mulligan;

The NRC review effort announced Thursday will focus solely on issues directly related to how the March 11 earthquake and tsunami's effects on Japanese nuclear power plants could be relevant to U.S. nuclear power plant safety. The timing of the Inspector General's most recent report is completely coincidental and the report is entirely unrelated to the review effort. Thank you.

TTTT/194

From: OST02 HOC

To: Abrams, Charlotte; Abu-Eid, Boby; Adams, John; Afshar-Tous, Mugeh; Ahn, Hosung; Alemu, Bezakulu; Algama, Don; Alter, Peter; Anderson, Brian; Anderson, James; Arndt, Steven; Arribas-Colon, Maria; Ashkeboussi, Nima; Athey, George; Baker, Stephen; Ballam, Nick; Barnhurst, Daniel; Barr, Cynthia; Barss, Dan; Bazian, Samuel; Bensi, Michelle; Bergman, Thomas; Berry, Rollie; Bhachu, Ujagar; Bloom, Steven; Blount, Tom; Boger, Bruce; Bonnette, Cassandra; Borchardt, Bill; Bowers, Anthony; Bowman, Gregory; Boyce, Tom (RES); Brandon, Lou; Brandt, Philip; Brenner, Eliot; Brock, Kathryn; Brown, Cris; Brown, David; Brown, Eva; Brown, Frederick; Brown, Michael; Bukharin, Oleg; Burnell, Scott; Bush-Goddard, Stephanie; Campbell, Stephen; Camper, Larry; Carpenter, Cynthia; Carter, Mary; Case, Michael; Casto, Greg; Cecere, Bethany; Cervera, Margaret; Chazell, Russell; Chen, Yen-Ju; Cheok, Michael; Chokshi, Nilesh; Chowdhury, Prosanta; Chung, Donald; Circle, Jeff; Clement, Richard; Clinton, Rebecca; Coggins, Angela; Collins, Frank; Cool, Donald; Correia, Richard; Corson, James; Costa, Arlon; Couret, Ivonne; Craffey, Ryan; Crutchley, Mary Glenn; Cruz, Zahira; Cuadrado, Leira; Dacus, Eugene; DeCicco, Joseph; Decker, David; Dembek, Stephen; Devlin, Stephanie; Dimmick, Lisa; Doane, Margaret; Dorman, Dan; Dorsey, Cynthia; Dozier, Jerry; Drake, Margaret; Droggitis, Spiros; Dube, Donald; Dudes, Laura; Eads, Johnny; Emche, Danielle; English, Lance; Erlanger, Craig; Esmaili, Hossein; Figueroa, Roberto; Fiske, Jonathan; Flanders, Scott; Flannery, Cindy; Floyd, Daphene; Foggie, Kirk; Foster, Jack; Fragoyannis, Nancy; Franovich, Rani; Frazier, Alan; Freshman, Steve; Fuller, Edward; Galletta, Thomas; Gambone, Kimberly; Gardocki, Stanley; Gartman, Michael; Gibson, Kathy; Gitter, Joseph; Gilmer, James; Glenn, Nichole; Gordon, Dennis; Gott, William; Grant, Jeffery; Greenwood, Carol; Greenwood, Carol; Grimes, Kelly; Grobe, Jack; Gross, Allen; Gulla, Gerald; Hale, Jerry; Hardesty, Duane; Hardin, Kimberly; Hardin, Leroy; Harrington, Holly; Harris, Tim; Harrison, Donnie; Hart, Ken; Hart, Michelle; Harvey, Brad; Hasselberg, Rick; Hayden, Elizabeth; Helton, Donald; Henderson, Karen; Hiland, Patrick; Holahan, Patricia; Holahan, Vincent; Holian, Brian; HOO Hoc; Horn, Brian; Howard, Tabitha; Huffert, Anthony; Hurd, Sapna; Huyck, Doug; Imboden, Andy; Isom, James; Jackson, Karen; Jacobson, Jeffrey; Jervey, Richard; Jessie, Janelle; Johnson, Michael; Jolicoeur, John; Jones, Andrea; Jones, Cynthia; Jones, Henry; Kahler, Carolyn; Kammerer, Annie; Karas, Rebecca; Kauffman, John; Khan, Omar; Kolb, Timothy; Kotzalas, Margie; Kowalczik, Jeffrey; Kratchman, Jessica; Kugler, Andrew; Lamb, Christopher; Lane, John; Larson, Emily; Laur, Steven; LaVie, Steve; Lewis, Robert; Li, Yong; Lichatz, Taylor; Lising, Jason; Lombard, Mark; Lubinski, John; Lui, Christiana; Lukes, Kim; Lynch, Jeffery; Ma, John; Mamish, Nader; Manahan, Michelle; Marksberry, Don; Marshall, Jane; Masao, Nagai; Maupin, Cardelia; Mayros, Lauren; Mazaika, Michael; McConnell, Keith; McCoppin, Michael; McDermott, Brian; McGinty, Tim; McGovern, Denise; McIntyre, David; McMurtray, Anthony; Merritt, Christina; Meyer, Karen; Miller, Charles; Miller, Chris; Milligan, Patricia; Miranda, Samuel; Mohseni, Aby; Moore, Scott; Morlang, Gary; Morris, Scott; Mroz (Sahm), Sara; Munson, Clifford; Murray, Charles; Nerret, Amanda; Nguyen, Caroline; Norris, Michael; Norton, Charles; Opara, Stella; Ordaz, Vonna; Owens, Janice; Padovan, Mark; Parillo, John; Patel, Jay; Patel, Pravin; Patrick, Mark; Perin, Vanice; Pope, Tia; Powell, Amy; Purdy, Gary; Quinlan, Kevin; Raddatz, Michael; Ragland, Robert; Ralph, Melissa; Ramsey, Jack; Reed, Elizabeth; Reed, Sara; Reed, Wendy; Reeves, Rosemary; Reis, Terrence; Resner, Mark; Riley (OCA), Timothy; Riner, Kelly; Rini, Brett; Robinson, Edward; Rodriguez-Luccioni, Hector; Roggenbrodt, William; Ropon, Kimberly; Rosales-Cooper, Cindy; Rosenberg, Stacey; Ross-Lee, MaryJane; Roundtree, Amy; Ruland, William; Russell, Tonya; Ryan, Michelle; Salay, Michael; Salter, Susan; Salus, Amy; Sanfilippo, Nathan; Santos, Daniel; Scarbrough, Thomas; Schaperow, Jason; Schmidt, Duane; Schmidt, Rebecca; Schoenebeck, Greg; Schrader, Eric; Schwartzman, Jennifer; Seber, Dogan; See, Kenneth; Shane, Raeann; Shea, James; Shepherd, Jill; Sheron, Brian; Skarda, Raymond; Skeen, David; Sloan, Scott; Smiroldo, Elizabeth; Smith, Brooke; Smith, Stacy; Smith, Theodore; Stahl, Eric; Stang, Annette; Stark, Johnathan; Steger (Tucci), Christine; Stieve, Alice; Stone, Rebecca; Stransky, Robert; Sturz, Fritz; Sullivan, Randy; Summers, Robert; Sun, Casper; Tappert, John; Tegeler, Bret; Temple, Jeffrey; Thaggard, Mark; Thomas, Eric; Thorp, John; Tiruneh, Nebiyu; Tobin, Jennifer; Trefethen, Jean; Tschiltz, Michael; Turtil, Richard; Uhle, Jennifer; Valencia, Sandra; Vaughn, James; Vick, Lawrence; Virgilio, Martin; Virgilio, Rosetta; Ward, Leonard; Ward, William; Wastler, Sandra; Watson, Bruce; Webber, Robert; Weber, Michael; White, Bernard; Wiggins, Jim; Williams, Donna; Williams, Joseph; Williamson, Linda; Willis, Dori; Wimbush, Andrea; Wittick, Brian; Wray, John; Wright, Lisa (Gibney); Wright, Ned; Wunder, George; Young, Francis; Zimmerman, Jacob; Zimmerman, Roy

Subject: Japanese Earthquake ERO Staffing March 20-26, 2011 (Pay Period 7, Week 2)

Date: Friday, March 25, 2011 12:31:24 PM

Attachments: Japan Earthquake - ERO Staffing Schedule - March 20-26.pdf

---

Good Afternoon,

Attached is the OPS Center revised watchbill for March 20-26. The watchbill for the week of March 27-April 2 will be sent by Saturday, March 27.

If you need to change the schedule, please send an email to OST02 HOC and your Teams Coordinator.

****

EST Admin Support

TTTT/195

NRC Operations Center
eMail: OST02.HOC@nrc.gov
301-816-5100 x5600

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Position	Date	Time	Staff
		Executive Team	
ET Director			
Sat-Sun	3/19-3/20	11pm - 7am	Mike Johnson
Sun	20-Mar	7am - 3pm	Jim Wiggins
Sun	20-Mar	3pm-11pm	Brian Sheron
Sun-Mon	3/20-3/21	11pm - 7am	Mike Johnson
Mon	21-Mar	7am - 3pm	Mike Weber
Mon	21-Mar	3pm-11pm	Jim Wiggins
Mon-Tues	3/21-3/22	11pm - 7am	Mike Johnson
Tues	22-Mar	7am - 3pm	Mike Weber
Tues	22-Mar	3pm-11pm	Jim Wiggins
Tues-Wed	3/22-3/23	11pm - 7am	Bruce Boger
Wed	23-Mar	7am - 3pm	Mike Weber
Wed	23-Mar	3pm-11pm	Roy Zimmerman
Wed-Thur	3/23-3/24	11pm - 7am	Bruce Boger
Thur	24-Mar	7am - 3pm	Mike Weber
Thur	24-Mar	3pm-11pm	Roy Zimmerman
Thur-Fri	3/24-3/25	11pm - 7am	Jennifer Uhle
Fri	25-Mar	7am - 3pm	Jim Dyer
Fri	25-Mar	3pm-11pm	Roy Zimmerman
Fri-Sat	3/25-3/26	11pm-7am	Jennifer Uhle
Sat	26-Mar	7am - 3pm	Jim Dyer
Sat	26-Mar	3pm-11pm	Brian Sheron
Sat-Sun	3/26-3/27	11pm - 7am	Jennifer Uhle
ET Response Advisor			
Sat-Sun	3/19-3/20	11pm - 7am	Scott Morris
Sun	20-Mar	7am - 3pm	Chris Miller
Sun	20-Mar	3pm-11pm	Mary Jane (MJ) Ross-Lee
Sun-Mon	3/20-3/21	11pm - 7am	Scott Morris
Mon	21-Mar	7am - 3pm	Brian McDermott
Mon	21-Mar	3pm-11pm	Chris Miller
Mon-Tues	3/21-3/22	11pm - 7am	Scott Morris
Tues	22-Mar	7am - 3pm	Mary Jane (MJ) Ross-Lee
Tues	22-Mar	3pm-11pm	Chris Miller
Tues-Wed	3/22-3/23	11pm - 7am	Tim McGinty
Wed	23-Mar	7am - 3pm	Brian McDermott
Wed	23-Mar	3pm-11pm	Joe Giitter
Wed-Thur	3/23-3/24	11pm - 7am	Tim McGinty
Thur	24-Mar	7am - 3pm	Mary Jane (MJ) Ross-Lee
Thur	24-Mar	3pm-11pm	Joe Giitter
Thur-Fri	3/24-3/25	11pm - 7am	Tim McGinty
Fri	25-Mar	7am - 3pm	Mary Jane (MJ) Ross-Lee
Fri	25-Mar	3pm-11pm	Joe Giitter
Fri-Sat	3/25-3/26	11pm-7am	Tim McGinty
Sat	26-Mar	7am - 3pm	Mary Jane (MJ) Ross-Lee
Sat	26-Mar	3pm-11pm	Joe Giitter
Sat-Sun	3/26-3/27	11pm - 7am	Chris Miller
ET Rx Prot Measures & State Coordinator			
Sat-Sun	3/19-3/20	11pm - 7am	Rob Lewis

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Sun	20-Mar	7am - 3pm	Vonna Ordaz
Sun	20-Mar	3pm-11pm	Larry Camper
Sun-Mon	3/20-3/21	11pm - 7am	Cynthia Carpenter
Mon	21-Mar	7am - 3pm	Charlie Miller
Mon	21-Mar	3pm-11pm	Larry Camper
Mon-Tues	3/21-3/22	11pm - 7am	Rob Lewis
Tues	22-Mar	7am - 3pm	Charlie Miller
Tues	22-Mar	3pm-11pm	Patricia Holahan
Tues-Wed	3/22-3/23	11pm - 7am	Cynthia Carpenter
Wed	23-Mar	7am - 3pm	Charlie Miller
Wed	23-Mar	3pm-11pm	Patricia Holahan
Wed-Thur	3/23-3/24	11pm - 7am	N/A
Thur	24-Mar	7am - 3pm	Larry Camper
Thur	24-Mar	3pm-11pm	Cynthia Carpenter
Thur-Fri	3/24-3/25	11pm - 7am	N/A
Fri	25-Mar	7am - 3pm	Cynthia Carpenter
Fri	25-Mar	3pm-11pm	Patricia Holahan
Fri-Sat	3/25-3/26	11pm-7am	N/A
Sat	26-Mar	7am - 3pm	N/A
Sat	26-Mar	3pm-11pm	N/A
Sat-Sun	3/26-3/27	11pm - 7am	N/A
		Executive Briefing Team	
EBT Admin. Assistant			
Sat-Sun	3/19-3/20	11pm - 9am	Sapna Hurd
Sun	20-Mar	9am - 7pm	Annette Stang
Sun-Mon	3/20-3/21	7pm-7am	Carolyn Kahler
Mon	21-Mar	7am - 3pm	A. Stang (7-11) / Sapna Hurd (11-3)
Mon	21-Mar	3pm-11pm	Tia Pope
Mon-Tues	3/21-3/22	11pm - 7am	Christina Merritt
Tues	22-Mar	7am - 3pm	Carolyn Kahler/Sapna Hurd
Tues	22-Mar	3pm-11pm	Jon Fiske
Tues-Wed	3/22-3/23	11pm - 7am	Tia Pope
Wed	23-Mar	7am - 3pm	Jon Fiske
Wed	23-Mar	3pm-11pm	Annette Stang
Wed-Thur	3/23-3/24	11pm - 7am	Christina Merritt
Thur	24-Mar	7am - 3pm	Carolyn Kahler/Sapna Hurd
Thur	24-Mar	3pm-11pm	Jonathan Fiske
Thur-Fri	3/24-3/25	11pm - 7am	Tia Pope
Fri	25-Mar	7am - 3pm	Jon Fiske
Fri	25-Mar	3pm-11pm	Sapna Hurd
Fri-Sat	3/25-3/26	11pm-7am	Carolyn Kahler
Sat	26-Mar	7am - 3pm	Kelly Riner
Sat	26-Mar	3pm-11pm	Louise Lovell
Sat-Sun	3/26-3/27	11pm - 7am	Jonathan Fiske
EBT Coordinator			
Sat-Sun	3/19-3/20	11pm - 7am	Jim Andersen
Sun	20-Mar	7am - 3pm	Yen-Ju Chen
Sun	20-Mar	3pm-11pm	Caroline Nguyen
Sun-Mon	3/20-3/21	11pm - 7am	Jim Andersen
Mon	21-Mar	7am - 3pm	Yen-Ju Chen

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Mon	21-Mar	3pm-11pm	Sara Mroz
Mon-Tues	3/21-3/22	11pm - 7am	Jim Andersen
Tues	22-Mar	7am - 3pm	Caroline Nguyen
Tues	22-Mar	3pm-11pm	Sara Mroz
Tues-Wed	3/22-3/23	11pm - 7am	Jim Andersen
Wed	23-Mar	7am - 3pm	Yen-Ju Chen
Wed	23-Mar	3pm-11pm	Sara Mroz
Wed-Thur	3/23-3/24	11pm - 7am	Jim Andersen
Thur	24-Mar	7am - 3pm	Yen-Ju Chen
Thur	24-Mar	3pm-11pm	Sara Mroz
Thur-Fri	3/24-3/25	11pm - 7am	Jim Andersen
Fri	25-Mar	7am - 3pm	Caroline Nguyen
Fri	25-Mar	3pm-11pm	Sara Mroz
Fri-Sat	3/25-3/26	11pm-7am	Jim Andersen
Sat	26-Mar	7am - 3pm	Yen-Ju Chen/Tonya Russell
Sat	26-Mar	3pm-11pm	Sara Mroz
Sat-Sun	3/26-3/27	11pm - 7am	Jim Anderson
		Executive Support Team	
EST Status Officer			
Sat-Sun	3/19-3/20	11pm - 7am	Doug Huyck
Sun	20-Mar	7am - 3pm	Craig Erlanger
Sun	20-Mar	3pm-11pm	John Jolicoeur
Sun-Mon	3/20-3/21	11pm - 7am	Doug Huyck
Mon	21-Mar	7am - 3pm	Jane Marshall
Mon	21-Mar	3pm-11pm	Bill Gott
Mon-Tues	3/21-3/22	11pm - 7am	Jeff Grant
Tues	22-Mar	7am - 3pm	John Jolicoeur
Tues	22-Mar	3pm-11pm	Bill Gott
Tues-Wed	3/22-3/23	11pm - 7am	Jeff Grant
Wed	23-Mar	7am - 3pm	Sally Billings/Jane Marshall
Wed	23-Mar	3pm-11pm	Bill Gott
Wed-Thur	3/23-3/24	11pm - 7am	Jeff Grant
Thur	24-Mar	7am - 3pm	Jane Marshall
Thur	24-Mar	3pm-11pm	Bill Gott
Thur-Fri	3/24-3/25	11pm - 7am	Jeff Grant
Fri	25-Mar	7am - 3pm	Jane Marshall
Fri	25-Mar	3pm-11pm	Bill Gott
Fri-Sat	3/25-3/26	11pm-7am	Jeff Grant
Sat	26-Mar	7am - 3pm	Jane Marshall ?
Sat	26-Mar	3pm-11pm	Bill Gott
Sat-Sun	3/26-3/27	11pm - 7am	Jeff Grant
EST Actions Officer			
Sat-Sun	3/19-3/20	11pm - 7am	Jonathan Fiske
Sun	20-Mar	7am - 3pm	Melissa Ralph
Sun	20-Mar	3pm-11pm	Jonathan Fiske
Sun-Mon	3/20-3/21	11pm - 7am	Dori Votolato-Willis
Mon	21-Mar	7am - 3pm	Melissa Ralph
Mon	21-Mar	3pm-11pm	Amanda Nerret
Mon-Tues	3/21-3/22	11pm - 7am	Kelly Grimes
Tues	22-Mar	7am - 3pm	Melissa Ralph

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Tues	22-Mar	3pm-11pm	Dori Votolato-Willis
Tues-Wed	3/22-3/23	11pm - 7am	Kelly Grimes
Wed	23-Mar	7am - 3pm	Melissa Ralph
Wed	23-Mar	3pm-11pm	Dori Votolato-Willis
Wed-Thur	3/23-3/24	11pm - 7am	Kelly Grimes
Thur	24-Mar	7am - 3pm	Wendy Reed
Thur	24-Mar	3pm-11pm	Dori Votolato-Willis
Thur-Fri	3/24-3/25	11pm - 7am	N/A
Fri	25-Mar	7am - 3pm	Amanda Nerret
Fri	25-Mar	3pm-11pm	Melissa Ralph
Fri-Sat	3/25-3/26	11pm-7am	N/A
Sat	26-Mar	7am - 3pm	James Corson
Sat	26-Mar	3pm-11pm	Don Algama
Sat-Sun	3/26-3/27	11pm - 7am	N/A
EST Coordinator			
Sat-Sun	3/19-3/20	11pm - 7am	Rebecca Stone
Sun	20-Mar	7am - 3pm	Clyde Ragland
Sun	20-Mar	3pm-11pm	Tony Bowers
Sun-Mon	3/20-3/21	11pm - 7am	Rebecca Stone
Mon	21-Mar	7am - 3pm	Tony McMurtray
Mon	21-Mar	3pm-11pm	Tony Bowers
Mon-Tues	3/21-3/22	11pm - 7am	Rebecca Stone
Tues	22-Mar	7am - 3pm	Tony McMurtray
Tues	22-Mar	3pm-11pm	Clyde Ragland
Tues-Wed	3/22-3/23	11pm - 7am	Rebecca Stone
Wed	23-Mar	7am - 3pm	Tony McMurtray
Wed	23-Mar	3pm-11pm	Clyde Ragland
Wed-Thur	3/23-3/24	11pm - 7am	Rebecca Stone
Thur	24-Mar	7am - 3pm	Tony McMurtray
Thur	24-Mar	3pm-11pm	Clyde Ragland
Thur-Fri	3/24-3/25	11pm - 7am	Steve Campbell
Fri	25-Mar	7am - 3pm	Taylor Lichatz
Fri	25-Mar	3pm-11pm	Tony McMurtray
Fri-Sat	3/25-3/26	11pm-7am	Steve Campbell
Sat	26-Mar	7am - 3pm	Tonya Russell
Sat	26-Mar	3pm-11pm	Tony McMurtray
Sat-Sun	3/26-3/27	11pm - 7am	Steve Campbell
EST Chronology Officer			
Sat-Sun	3/19-3/20	11pm - 7am	Cynthia Dorsey
Sun	20-Mar	7am - 3pm	James Vaughn
Sun	20-Mar	3pm-11pm	Rebecca Karas
Sun-Mon	3/20-3/21	11pm - 7am	Mark Resner
Mon	21-Mar	7am - 3pm	Hector Rodriguez-Luccioni
Mon	21-Mar	3pm-11pm	Rebecca Karas
Mon-Tues	3/21-3/22	11pm - 7am	Thomas Scarbrough
Tues	22-Mar	7am - 3pm	Hector Rodriguez-Luccioni
Tues	22-Mar	3pm-11pm	Rebecca Karas
Tues-Wed	3/22-3/23	11pm - 7am	Thomas Scarbrough
Wed	23-Mar	7am - 3pm	James Vaughn
Wed	23-Mar	3pm-11pm	Rebecca Karas

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Wed-Thur	3/23-3/24	11pm - 7am	Nick Ballam
Thur	24-Mar	7am - 3pm	Hector Rodriguez-Luccioni
Thur	24-Mar	3pm-11pm	Rebecca Karas
Thur-Fri	3/24-3/25	11pm - 7am	Thomas Scarbrough
Fri	25-Mar	7am - 3pm	Hector Rodriguez-Luccioni
Fri	25-Mar	3pm-11pm	Rebecca Karas
Fri-Sat	3/25-3/26	11pm-7am	Thomas Scarbrough
Sat	26-Mar	7am - 3pm	Nick Ballam
Sat	26-Mar	3pm-11pm	Rebecca Karas
Sat-Sun	3/26-3/27	11pm - 7am	Thomas Scarbrough
EST Response Ops Mgr			
Sat-Sun	3/19-3/20	11pm - 7am	Jean Trefethan
Sun	20-Mar	7am - 3pm	Karen Jackson
Sun	20-Mar	3pm-11pm	Roberto Figueroa
Sun-Mon	3/20-3/21	11pm - 7am	Jean Trefethan
Mon	21-Mar	7am - 3pm	Bob Stransky
Mon	21-Mar	3pm-11pm	Omar Khan
Mon-Tues	3/21-3/22	11pm - 7am	Cris Brown
Tues	22-Mar	7am - 3pm	Bob Stransky
Tues	22-Mar	3pm-11pm	Karen Jackson
Tues-Wed	3/22-3/23	11pm - 7am	Roberto Figueroa
Wed	23-Mar	7am - 3pm	Bob Stransky
Wed	23-Mar	3pm-11pm	Jean Trefethan
Wed-Thur	3/23-3/24	11pm - 7am	Cris Brown
Thur	24-Mar	7am - 3pm	Karen Jackson
Thur	24-Mar	3pm-11pm	Omar Khan
Thur-Fri	3/24-3/25	11pm - 7am	Roberto Figueroa
Fri	25-Mar	7am - 3pm	Jean Trefethan
Fri	25-Mar	3pm-11pm	Cris Brown
Fri-Sat	3/25-3/26	11pm-7am	Roberto Figueroa
Sat	26-Mar	7am - 3pm	Omar Khan
Sat	26-Mar	3pm-11pm	Cris Brown
Sat-Sun	3/26-3/27	11pm - 7am	Roberto Figueroa
EST Admin. Assistant			
Sat-Sun	3/19-3/20	11pm - 7am	Chris Lamb
Sun	20-Mar	7am - 3pm	Karen Meyer
Sun	20-Mar	3pm-11pm	Linda Williamson
Sun-Mon	3/20-3/21	11pm - 7am	Chris Lamb
Mon	21-Mar	7am - 3pm	Karen Meyer
Mon	21-Mar	3pm-11pm	Mary Glenn Crutchley
Mon-Tues	3/21-3/22	11pm - 7am	Andrea Wimbush
Tues	22-Mar	7am - 3pm	Cynthia Dorsey
Tues	22-Mar	3pm-11pm	Mary Glenn Crutchley
Tues-Wed	3/22-3/23	11pm - 7am	Michelle Manahan
Wed	23-Mar	7am - 3pm	Karen Meyer
Wed	23-Mar	3pm-11pm	Mary Glenn Crutchley
Wed-Thur	3/23-3/24	11pm - 7am	Andrea Wimbush
Thur	24-Mar	7am - 3pm	Cynthia Dorsey
Thur	24-Mar	3pm-11pm	Mary Glenn Crutchley
Thur-Fri	3/24-3/25	11pm - 7am	N/A

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Fri	25-Mar	7am - 3pm	Karen Meyer
Fri	25-Mar	3pm-11pm	Cynthia Dorsey
Fri-Sat	3/25-3/26	11pm-7am	N/A
Sat	26-Mar	7am - 3pm	Karen Meyer
Sat	26-Mar	3pm-11pm	Cynthia Dorsey
Sat-Sun	3/26-3/27	11pm - 7am	N/A
		Liaison Team	
LT Director			
Sat-Sun	3/19-3/20	11pm - 7am	John Adams
Sun	20-Mar	7am - 3pm	Tom Bergman
Sun	20-Mar	3pm-11pm	Bob Webber
Sun-Mon	3/20-3/21	11pm - 7am	John Adams
Mon	21-Mar	7am - 3pm	Tom Bergman
Mon	21-Mar	3pm-11pm	Bob Webber
Mon-Tues	3/21-3/22	11pm - 7am	John Adams
Tues	22-Mar	7am - 3pm	Tom Bergman
Tues	22-Mar	3pm-11pm	Bob Webber
Tues-Wed	3/22-3/23	11pm - 7am	John Adams
Wed	23-Mar	7am - 3pm	Michael Tschiltz
Wed	23-Mar	3pm-11pm	Rich Correia
Wed-Thur	3/23-3/24	11pm - 7am	Jake Zimmerman
Thur	24-Mar	7am - 3pm	Michael Tschiltz
Thur	24-Mar	3pm-11pm	Rich Correia
Thur-Fri	3/24-3/25	11pm - 7am	Jake Zimmerman
Fri	25-Mar	7am - 3pm	Michael Tschiltz
Fri	25-Mar	3pm-11pm	Rich Correia
Fri-Sat	3/25-3/26	11pm-7am	Jake Zimmerman
Sat	26-Mar	7am - 3pm	Michael Tschiltz
Sat	26-Mar	3pm-11pm	Rich Correia
Sat-Sun	3/26-3/27	11pm - 7am	Marissa Bailey
LT Coordinator			
Sat-Sun	3/19-3/20	11pm - 7am	Janelle Jessie
Sun	20-Mar	7am - 3pm	Jeff Temple
Sun	20-Mar	3pm-11pm	Nathan Sanfilippo
Sun-Mon	3/20-3/21	11pm - 7am	Milt Murray
Mon	21-Mar	7am - 3pm	Jeff Temple
Mon	21-Mar	3pm-11pm	Nathan Sanfilippo
Mon-Tues	3/21-3/22	11pm - 7am	Milt Murray
Tues	22-Mar	7am - 3pm	Rani Franovich
Tues	22-Mar	3pm-11pm	Nathan Sanfilippo
Tues-Wed	3/22-3/23	11pm - 7am	Milt Murray
Wed	23-Mar	7am - 3pm	Rani Franovich
Wed	23-Mar	3pm-11pm	Jeff Temple
Wed-Thur	3/23-3/24	11pm - 7am	Milt Murray
Thur	24-Mar	7am - 3pm	Rani Franovich
Thur	24-Mar	3pm-11pm	Jeff Temple
Thur-Fri	3/24-3/25	11pm - 7am	Milt Murray
Fri	25-Mar	7am - 3pm	Janelle Jessie
Fri	25-Mar	3pm-11pm	Rani Franovich
Fri-Sat	3/25-3/26	11pm-7am	Milt Murray

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Sat	26-Mar	7am - 3pm	Janelle Jessie
Sat	26-Mar	3pm-11pm	Rani Franovich
Sat-Sun	3/26-3/27	11pm - 7am	Milt Murray
LT State Liaison			
Sat-Sun	3/19-3/20	9pm-7am	Michelle Ryan/Rich Turtil (ON CALL ONLY)
Sun	20-Mar	7am-2pm	Michelle Ryan/Rich Turtil (ON CALL ONLY)
Sun	20-Mar	2pm-9pm	Michelle Ryan/Rich Turtil (ON CALL ONLY)
Sun-Mon	3/20-3/21	9pm-7am	Michelle Ryan/Rich Turtil (ON CALL ONLY)
Mon	21-Mar	7am-2pm	Flannery (Riveria-On Call)
Mon	21-Mar	2pm-9pm	Easson (Turtil-On Call)
Mon-Tue	3/21-3/22	9pm-7am	Michelle Ryan/Rich Turtil (ON CALL ONLY)
Tue	22-Mar	7am-2pm	Maupin
Tue	22-Mar	2pm-9pm	Easson/Michelle Ryan
Tue-Wed	3/22-3/23	9pm-7am	Alison Rivera/Amanda Noonan (ON CALL ONLY)
Wed	23-Mar	7am-2pm	Maupin
Wed	23-Mar	2pm-9pm	Alison Rivera
Wed-Thur	3/23-3/24	9pm-7am	Michelle Ryan/Turtil (ON CALL ONLY)
Thur	24-Mar	7am-2pm	Flannery
Thur	24-Mar	2pm-9pm	Amanda Noonan
Thur-Fri	3/24-3/25	9pm-7am	Rivera/Turtil (ON CALL ONLY)
Fri	25-Mar	7am-2pm	Kim Lukes
Fri	25-Mar	2pm-9pm	Michelle Ryan
Fri-Sat	3/25-3/26	9pm-7am	Alison Rivera/Amanda Noonan (ON CALL ONLY)
Sat	26-Mar	7am-2pm	Michelle Ryan/Amanda Noonan (ON CALL ONLY)
Sat	26-Mar	2pm-9pm	Michelle Ryan/Amanda Noonan (ON CALL ONLY)
Sat-Sun	3/26-3/27	9pm-7am	Michelle Rivera/Amanda Noonan (ON CALL ONLY
LT Federal Liaison (2)			
Sun	20-Mar	7am - 3pm	Ned Wright
Sun	20-Mar	3pm-11pm	Jeff Temple
Sun-Mon	3/20-3/21	11pm - 7am	Scott Sloan
Sun-Mon	3/20-3/21	11pm - 7am	Lisa Wright
Mon	21-Mar	7am - 3pm	Beth Reed/Ted Smith
Mon	21-Mar	3pm-11pm	Ned Wright
Mon-Tues	3/21-3/22	11pm - 7am	Lisa Wright
Tues	22-Mar	7am - 3pm	Beth Reed/Ted Smith
Tues	22-Mar	3pm-11pm	Ned Wright
Tues-Wed	3/22-3/23	11pm - 7am	Lisa Wright
Wed	23-Mar	7am - 3pm	Jerry Hale/Ted Smith
Wed	23-Mar	3pm-11pm	Ned Wright
Wed-Thur	3/23-3/24	11pm - 7am	Lisa Wright
Thur	24-Mar	7am - 3pm	Ted Smith/Bethany Cecere
Thur	24-Mar	3pm-11pm	Jerry Hale
Thur-Fri	3/24-3/25	11pm - 7am	Scott Sloan
Fri	25-Mar	7am - 3pm	Ted Smith/Bethany Cecere
Fri	25-Mar	3pm-11pm	Jason Lising
Fri-Sat	3/25-3/26	11pm-7am	Scott Sloan
Sat	26-Mar	7am - 3pm	Jason Lising/Lisa Gibney
Sat	26-Mar	3pm-11pm	Jeff Temple
Sat-Sun	3/26-3/27	11pm - 7am	Scott Sloan

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

LT Congressional Liaison (2)			
Sun	20-Mar	7am - 2pm	Rebecca Schmidt
	20-Mar	2pm-9pm	Reanne Shane
Mon	21-Mar	7am - 2pm	Spiros Droggitis
	21-Mar	2pm-9pm	Tim Riley
Tues	22-Mar	7am - 2pm	Tim Riley
	22-Mar	2pm-9pm	Spiros Droggitis
Wed	23-Mar	7am - 2pm	Gene Dacus
	23-Mar	2pm-9pm	Raeann Shane
Thur	24-Mar	7am - 2pm	Spiros Droggitis
	24-Mar	2pm-9pm	Raeann Shane
Fri	25-Mar	7am - 2pm	Gene Dacus
	25-Mar	2pm-9pm	Amy Powell
Sat	26-Mar	7am - 3pm	Amy Powell (ON CALL ONLY)
Sat	26-Mar	3pm-11pm	Amy Powell (ON CALL ONLY)
Sun	3/26-3/27	11pm - 7am	Amy Powell (ON CALL ONLY)
LT International Liaison (2)			
Sat-Sun	3/19-3/20	11pm - 7am	Elizabeth Smiroldo/Danielle Emche
Sun	20-Mar	7am - 3pm	Karen Henderson/Steve Baker
Sun	20-Mar	3pm-11pm	Eric Stahl/Nancy Fragoyanis
Sun-Mon	3/20-3/21	11pm - 7am	Elizabeth Smiroldo/Jenny Tobin
Mon	21-Mar	7am - 3pm	Jen Schwartzman/Charlotte Abrams/Nancy (12-3
Mon	21-Mar	3pm-11pm	Danielle Emche/Lauren Mayros
Mon-Tues	3/21-3/22	11pm - 7am	Eric Stahl/Mugeh Afshar-Tous
Tues	22-Mar	7am - 3pm	Jen Schwartzman/Charlotte Abrams/Nancy (12-3
Tues	22-Mar	3pm-11pm	Danielle Emche/Lauren Mayros
Tues-Wed	3/22-3/23	11pm - 7am	Eric Stahl/Mugeh
Wed	23-Mar	7am - 3pm	Jen Schwartzman/Charlotte Abrams/Nancy (12-3
Wed	23-Mar	3pm-11pm	Danielle Emche/Lauren Mayros
Wed-Thur	3/23-3/24	11pm - 7am	Eric Stahl/Mugeh
Thur	24-Mar	7am - 3pm	Steve Bloom/Lance English
Thur	24-Mar	3pm-11pm	Janice/Jenny Tobin
Thur-Fri	3/24-3/25	11pm - 7am	Andrea/Elizabeth Smiroldo
Fri	25-Mar	7am - 3pm	Steve Bloom/Lance English
Fri	25-Mar	3pm-11pm	Janice/Jenny Tobin
Fri-Sat	3/25-3/26	11pm-7am	Andrea/Elizabeth Smiroldo
Sat	26-Mar	7am - 3pm	Steve Bloom / Lance English
Sat	26-Mar	3pm-11pm	Janice Owens / Jenny Tobin
Sat-Sun	3/26-3/27	11pm - 7am	Cindy Rosales/ Elizabeth Smiroldo
		Protective Measures Team	
PMTR Director			
Sat-Sun	3/19-3/20	11pm - 7am	Kathy Gibson
Sun	20-Mar	7am - 3pm	John Lubinski
Sun	20-Mar	3pm-11pm	Don Cool
Sun-Mon	3/20-3/21	11pm - 7am	Kathy Gibson
Mon	21-Mar	7am - 3pm	John Lubinski
Mon	21-Mar	3pm-11pm	Don Cool
Mon-Tues	3/21-3/22	11pm - 7am	John Tappert
Tues	22-Mar	7am - 3pm	John Lubinski
Tues	22-Mar	3pm-11pm	Don Cool

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Tues-Wed	3/22-3/23	11pm - 7am	John Tappert
Wed	23-Mar	7am - 3pm	Terry Reis
Wed	23-Mar	3pm-11pm	Cindy Jones
Wed-Thur	3/23-3/24	11pm - 7am	Randy Sullivan
Thur	24-Mar	7am - 3pm	Terry Reis
Thur	24-Mar	5pm-11pm	Cindy Jones
Thur-Fri	3/24-3/25	11pm - 7am	Randy Sullivan
Fri	25-Mar	7am - 3pm	Terry Reis
Fri	25-Mar	5pm-11pm	Cindy Jones
Fri-Sat	3/25-3/26	11pm-7am	Randy Sullivan
Sat	26-Mar	7am - 3pm	Terry Reis
Sat	26-Mar	3pm-11pm	Cindy Jones
Sat-Sun	3/26-3/27	11pm - 7am	Randy Sullivan
PMTR Coordinator			
Sat-Sun	3/19-3/20	11pm - 7am	Lou Brandon
Sun	20-Mar	7am - 3pm	Nima Ashkeboussi
Sun	20-Mar	3pm-11pm	Jay Patel
Sun-Mon	3/20-3/21	11pm - 7am	Lou Brandon
Mon	21-Mar	7am - 3pm	Prosanta Chowdhury (8 am)
Mon	21-Mar	3pm-11pm	Jay Patel
Mon-Tues	3/21-3/22	11pm - 7am	Lou Brandon
Tues	22-Mar	7am - 3pm	Prosanta Chowdhury (8 am)
Tues	22-Mar	3pm-11pm	Nima Ashkeboussi
Tues-Wed	3/22-3/23	11pm - 7am	Mike Norris
Wed	23-Mar	7am - 3pm	John Wray
Wed	23-Mar	3pm-11pm	Nima Ashkeboussi
Wed-Thur	3/23-3/24	11pm - 7am	Mike Norris
Thur	24-Mar	7am - 3pm	John Wray
Thur	24-Mar	3pm-11pm	Jay Patel/Joe DeCicco
Thur-Fri	3/24-3/25	11pm - 7am	Mike Norris
Fri	25-Mar	7am - 3pm	Duane Hardesty/Joe DeCicco
Fri	25-Mar	3pm-11pm	Ryan Craffey
Fri-Sat	3/25-3/26	11pm-7am	Lou Brandon
Sat	26-Mar	7am - 3pm	Arlon Costa
Sat	26-Mar	3pm-11pm	Kimberly Hardin
Sat-Sun	3/26-3/27	11pm - 7am	Lou Brandon
PMTR Prot Actions Asst Dir			
Sat-Sun	3/19-3/20	11pm - 7am	Greg Casto
Sun	20-Mar	7am - 3pm	Kathryn Brock
Sun	20-Mar	3pm-11pm	Tim Harris
Sun-Mon	3/20-3/21	11pm - 7am	Greg Casto (Jessica Kratchman - to shadow)
Mon	21-Mar	7am - 3pm	Kathryn Brock
Mon	21-Mar	3pm-11pm	Dan Barss
Mon-Tues	3/21-3/22	11pm - 7am	Jessica Kratchman
Tues	22-Mar	7am - 3pm	Kathryn Brock
Tues	22-Mar	3pm-11pm	Tim Harris
Tues-Wed	3/22-3/23	11pm - 7am	Jessica Kratchman
Wed	23-Mar	7am - 3pm	Sandra Wastler
Wed	23-Mar	3pm-11pm	Vince Holahan
Wed-Thur	3/23-3/24	11pm - 7am	Jessica Kratchman

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Thur	24-Mar	7am - 3pm	Sandra Wastler
Thur	24-Mar	3pm-11pm	Stacey Rosenberg
Thur-Fri	3/24-3/25	11pm - 7am	Jessica Kratchman
Fri	25-Mar	7am - 3pm	Kathryn Brock
Fri	25-Mar	3pm-11pm	Vince Holahan
Fri-Sat	3/25-3/26	11pm-7am	Greg Casto
Sat	26-Mar	7am - 3pm	Dan Barss
Sat	26-Mar	3pm-11pm	Sandra Wastler
Sat-Sun	3/26-3/27	11pm - 7am	Greg Casto/Jessica Kratchman
PMTR RAAD			
Sat-Sun	3/19-3/20	11pm - 7am	Patricia Milligan
Sun	20-Mar	7am - 3pm	Eric Schrader
Sun	20-Mar	3pm-11pm	Steve LaVie
Sun-Mon	3/20-3/21	11pm - 7am	Mike Norris
Mon	21-Mar	7am - 3pm	Michelle Hart
Mon	21-Mar	3pm-11pm	Steve Lavie
Mon-Tues	3/21-3/22	11pm - 7am	Boby Abu-Eid
Tues	22-Mar	7am - 3pm	Bruce Watson
Tues	22-Mar	3pm-11pm	Steve LaVie
Tues-Wed	3/22-3/23	11pm - 7am	Boby Abu-Eid
Wed	23-Mar	7am - 3pm	Bruce Watson
Wed	23-Mar	3pm-11pm	Michelle Hart
Wed-Thur	3/23-3/24	11pm - 7am	Duane Schmidt
Thur	24-Mar	7am - 3pm	Bruce Watson
Thur	24-Mar	3pm-11pm	Steve LaVie
Thur-Fri	3/24-3/25	11pm - 7am	Cynthia Barr
Fri	25-Mar	7am - 3pm	Bruce Watson
Fri	25-Mar	3pm-11pm	Michelle Hart
Fri-Sat	3/25-3/26	11pm-7am	Cynthia Barr
Sat	26-Mar	7am - 3pm	Bruce Watson
Sat	26-Mar	3pm-11pm	Steve LaVie
Sat-Sun	3/26-3/27	11pm - 7am	Mike Norris
PMTR Dose Assessment (RASCAL) - Need 2			
Sat-Sun	3/19-3/20	11pm - 7am	Kimberly Gambone/John Parillo
Sun	20-Mar	7am - 3pm	Casper Sun / Duane Schmidt
Sun	20-Mar	3pm-11pm	Margaret Cervera / Tony Huffert
Sun-Mon	3/20-3/21	11pm - 7am	Kimberly Gambone/John Parillo
Mon	21-Mar	7am - 3pm	Eric Schrader/Rich Clement
Mon	21-Mar	3pm-11pm	Margaret Cervera/Tony Huffert
Mon-Tues	3/21-3/22	11pm - 7am	John Parillo / Bernie White
Tues	22-Mar	7am - 3pm	Eric Schrader/Rich Clement
Tues	22-Mar	3pm-11pm	Gary Purdy/Casper Sun
Tues-Wed	3/22-3/23	11pm - 7am	Margaret Cervera/Tony Huffert
Wed	23-Mar	7am - 3pm	Eric Schrader/Rich Clement
Wed	23-Mar	3pm-11pm	Kimberly Gambone/Casper Sun
Wed-Thur	3/23-3/24	11pm - 7am	Tony Huffert/John Parillo
Thur	24-Mar	7am - 3pm	Eric Schrader/Rich Clement
Thur	24-Mar	3pm-11pm	Kimberly Gambone/Casper Sun
Thur-Fri	3/24-3/25	11pm - 7am	Tony Huffert/John Parillo
Fri	25-Mar	7am - 3pm	Eric Schrader/Rich Clement

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Fri	25-Mar	3pm-11pm	Gary Purdy/Casper Sun
Fri-Sat	3/25-3/26	11pm-7am	John Parillo / Bernie White
Sat	26-Mar	7am - 3pm	Tony Huffert/Charlie Hinson
Sat	26-Mar	3pm-11pm	Leroy Hardin/Gary Purdy?
Sat-Sun	3/26-3/27	11pm - 7am	John Parillo/Ron LaVera
PMTR GIS Analyst			
Sun-Mon	3/20-3/21	11pm - 7am	Alice Stieve
Mon	21-Mar	7am - 3pm	Nebiyu Tiruneh
Mon	21-Mar	3pm-11pm	Stephanie Devlin
Mon-Tues	3/21-3/22	11pm - 7am	Alice Stieve
Tues	22-Mar	7am - 3pm	Yong Li
Tues	22-Mar	3pm-11pm	Stephanie Devlin
Tues-Wed	3/22-3/23	11pm - 7am	Alice Stieve
Wed	23-Mar	7am - 3pm	Allen Gross
Wed	23-Mar	3pm-11pm	Stephanie Devlin
Wed-Thur	3/23-3/24	11pm - 7am	Phil Brandt
Thur	24-Mar	7am - 3pm	Yong Li
Thur	24-Mar	3pm-11pm	Stephanie Devlin
Thur-Fri	3/24-3/25	11pm - 7am	Dogan Seber
Fri	25-Mar	7am - 3pm	Allen Gross
Fri	25-Mar	3pm-11pm	N/A
Fri-Sat	3/25-3/26	11pm-7am	N/A
Sat	26-Mar	7am - 3pm	N/A
Sat	26-Mar	3pm-11pm	N/A
Sat-Sun	3/26-3/27	11pm - 7am	N/A
PMTR Meteorologist			
Sat-Sun	19-Mar	3pm-11pm	Mike Mazaika
Sun	3/19-3/20	11pm - 7am	David Brown
Sun	20-Mar	7am - 3pm	Kevin Quinlan
Sun	20-Mar	3pm-11pm	Mike Mazaika
Sun-Mon	3/20-3/21	11pm - 7am	David Brown
Mon	21-Mar	7am - 3pm	Mike Mazaika
Mon	21-Mar	3pm-11pm	Brad Harvey
Mon-Tues	3/21-3/22	11pm - 7am	Kevin Quinlan
Tues	22-Mar	7am - 3pm	David Brown
Tues	22-Mar	3pm-11pm	Brad Harvey
Tues-Wed	3/22-3/23	11pm - 7am	Andy Imboden/Kevin Quinlan
Wed	23-Mar	7am - 3pm	Mike Mazaika
Wed	23-Mar	3pm-11pm	Brad Harvey
Wed-Thur	3/23-3/24	11pm - 7am	Kevin Quinlan
Thur	24-Mar	7am - 3pm	David Brown
Thur	24-Mar	3pm-11pm	Brad Harvey
Thur-Fri	3/24-3/25	11pm - 7am	Kevin Quinlan
Fri	25-Mar	7am - 3pm	Mike Mazaika
Fri	25-Mar	3pm-11pm	N/A
Fri-Sat	3/25-3/26	11pm-7am	N/A
Sat	26-Mar	7am - 3pm	N/A
Sat	26-Mar	3pm-11pm	N/A
Sat-Sun	3/26-3/27	11pm - 7am	N/A

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Reactor Safety Team			
RST Director			
Sat-Sun	3/19-3/20	11pm - 7am	Jennifer Uhle
Sun	20-Mar	7am - 3pm	Laura Dudes
Sun	20-Mar	3pm-11pm	Dave Skeen
Sun-Mon	3/20-3/21	11pm - 7am	Jennifer Uhle
Mon	21-Mar	7am - 3pm	Fred Brown
Mon	21-Mar	3pm-11pm	Dave Skeen
Mon-Tues	3/21-3/22	11pm - 7am	Jennifer Uhle
Tues	22-Mar	7am - 3pm	Fred Brown
Tues	22-Mar	3pm-11pm	Dave Skeen
Tues-Wed	3/22-3/23	11pm - 7am	Brian Holian
Wed	23-Mar	7am - 3pm	Fred Brown
Wed	23-Mar	3pm-11pm	Bill Ruland
Wed-Thur	3/23-3/24	11pm - 7am	Brian Holian
Thur	24-Mar	7am - 3pm	Fred Brown
Thur	24-Mar	3pm-11pm	Bill Ruland
Thur-Fri	3/24-3/25	11pm - 7am	Brian Holian
Fri	25-Mar	7am - 3pm	Pat Hiland
Fri	25-Mar	3pm-11pm	Bill Ruland
Fri-Sat	3/25-3/26	11pm-7am	Brian Holian
Sat	26-Mar	7am - 3pm	Pat Hiland
Sat	26-Mar	3pm-11pm	Bill Ruland
Sat	3/26-27/2011	11pm - 7am	Dave Skeen
RST Coordinator			
Sat-Sun	3/19-3/20	11pm - 7am	Frank Collins
Sun	20-Mar	7am - 3pm	Peter Alter
Sun	20-Mar	3pm-11pm	Eric Thomas
Sun-Mon	3/20-3/21	11pm - 7am	Mike Morlang
Mon	21-Mar	7am - 3pm	Peter Alter
Mon	21-Mar	3pm-11pm	Greg Schoenebeck
Mon-Tues	3/21-3/22	11pm - 7am	Frank Collins
Tues	22-Mar	7am - 3pm	Rick Hasselberg
Tues	22-Mar	3pm-11pm	Mike Morlang
Tues-Wed	3/22-3/23	11pm - 7am	Oleg Bukharin
Wed	23-Mar	7am - 3pm	Eric Thomas
Wed	23-Mar	3pm-11pm	Greg Schoenebeck
Wed-Thur	3/23-3/24	11pm - 7am	Frank Collins
Thur	24-Mar	7am - 3pm	Rick Hasselberg
Thur	24-Mar	3pm-11pm	Brett Rini
Thur-Fri	3/24-3/25	11pm - 7am	Tom Boyce (RES)
Fri	25-Mar	7am - 3pm	Eric Thomas
Fri	25-Mar	3pm-11pm	Brett Rini
Fri-Sat	3/25-3/26	11pm-7am	Frank Collins
Sat	26-Mar	7am - 3pm	Eric Thomas
Sat	26-Mar	3pm-11pm	Mark Orr
Sat-Sun	3/26-3/27	11pm - 7am	Brett Rini
Severe Accident/PRA			
Sat-Sun	3/19-3/20	11pm - 7am	Mike Salay
Sun	20-Mar	7am - 3pm	John Lane

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Sun	20-Mar	3pm-11pm	Jim Gilmer
Sun-Mon	3/20-3/21	11pm - 7am	Don Dube
Mon	21-Mar	7am - 3pm	Jeff Circle
Mon	21-Mar	3pm-11pm	Hossein Esmaili
Mon-Tues	3/21-3/22	11pm - 7am	Jim Gilmer
Tues	22-Mar	7am - 3pm	Ed Fuller
Tues	22-Mar	3pm-11pm	Len Ward
Tues-Wed	3/22-3/23	11pm - 7am	Sam Miranda
Wed	23-Mar	7am - 3pm	Jeff Circle
Wed	23-Mar	3pm-11pm	Steven Arndt
Wed-Thur	3/23-3/24	11pm - 7am	Mike Salay
Thur	24-Mar	7am - 3pm	Jeff Circle
Thur	24-Mar	3pm-11pm	Steve Laur
Thur-Fri	3/24-3/25	11pm - 7am	Don Helton
Fri	25-Mar	7am - 3pm	Steven Arndt
Fri	25-Mar	3pm-11pm	Steve Laur
Fri-Sat	3/25-3/26	11pm-7am	Don Helton
Sat	26-Mar	7am - 3pm	Steven Arndt
Sat	26-Mar	3pm-11pm	Jerry Dozier
Sat-Sun	3/26-3/27	11pm - 7am	Ray Skarda
BWR Expertise			
Sat-Sun	3/19-3/20	11pm - 7am	John Kauffman
Sun	20-Mar	7am - 3pm	Larry Vick
Sun	20-Mar	3pm-11pm	Chuck Norton
Sun-Mon	3/20-3/21	11pm - 7am	Mike Brown
Mon	21-Mar	7am - 3pm	Bob Summers
Mon	21-Mar	3pm-11pm	Chuck Norton
Mon-Tues	3/21-3/22	11pm - 7am	Mike Brown
Tues	22-Mar	7am - 3pm	Tom Boyce (RES)
Tues	22-Mar	3pm-11pm	Chuck Norton
Tues-Wed	3/22-3/23	11pm - 7am	Mike Brown
Wed	23-Mar	7am - 3pm	Larry Vick
Wed	23-Mar	3pm-11pm	Chuck Norton
Wed-Thur	3/23-3/24	11pm - 7am	Eva Brown
Thur	24-Mar	7am - 3pm	Peter Alter
Thur	24-Mar	3pm-11pm	Chuck Norton
Thur-Fri	3/24-3/25	11pm - 7am	Eva Brown
Fri	25-Mar	7am - 3pm	Bob Summers
Fri	25-Mar	3pm-11pm	Chuck Norton
Fri-Sat	3/25-3/26	11pm-7am	Eva Brown
Sat	26-Mar	7am - 3pm	Mike Brown
Sat	26-Mar	3pm-11pm	Chuck Norton
Sat-Sun	3/26-3/27	11pm - 7am	Eva Brown
RST Comm/ERDS Operator			
Sat-Sun	3/19-3/20	11pm - 7am	Ujagar Bhachu
Sun	20-Mar	7am - 3pm	Denise McGovern
Sun	20-Mar	3pm-11pm	Donna Williams
Sun-Mon	3/20-3/21	11pm - 7am	Ujagar Bhachu
Mon	21-Mar	7am - 3pm	Joseph Williams
Mon	21-Mar	3pm-11pm	John Thorp

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Mon-Tues	3/21-3/22	11pm - 7am	Bill Roggenbrodt
Tues	22-Mar	7am - 3pm	Steve Bloom
Tues	22-Mar	3pm-11pm	Jim Isom
Tues-Wed	3/22-3/23	11pm - 7am	Bill Roggenbrodt
Wed	23-Mar	7am - 3pm	Joseph Williams
Wed	23-Mar	3pm-11pm	Ken Hart
Wed-Thur	3/23-3/24	11pm - 7am	Bill Roggenbrodt
Thur	24-Mar	7am - 3pm	John Thorp
Thur	24-Mar	3pm-11pm	Ken Hart
Thur-Fri	3/24-3/25	11pm - 7am	Bill Roggenbrodt
Fri	25-Mar	7am - 3pm	Donna Williams
Fri	25-Mar	3pm-11pm	David Solorio
Fri-Sat	3/25-3/26	11pm-7am	Rick Hasselberg
Sat	26-Mar	7am - 3pm	John Thorp
Sat	26-Mar	3pm-11pm	Stan Gardocki
Sat-Sun	3/26-3/27	11pm - 7am	Denise McGovern
RST Support (Seismology Q&A)			
Fri-Sat	3/18-3/19	11pm-7am	Off (On Call)
Sat	19-Mar	7am - 3pm	Off (On Call)
Sat	19-Mar	3pm-11pm	Off (On Call)
Sat-Sun	3/19-3/20	11pm - 7am	Alice Stieve (On Call) Working as PMT GIS
Sun	20-Mar	7am - 3pm	Cliff Munson (On Call)
Sun	20-Mar	3pm-11pm	Annie Kammerer (On Call)
Sun-Mon	3/20-3/21	11pm - 7am	Stephanie Devlin (On Call)
Mon	21-Mar	7am - 3pm	Cliff Munson (On Call)
Mon	21-Mar	3pm-11pm	A. Kammerer 3-11; M. Bensi 3-6 (On Call)
Mon-Tues	3/21-3/22	11pm - 7am	Dogan Seber (On Call)
Tues	22-Mar	7am - 3pm	Nilesh Chokchi On Call)
Tues	22-Mar	3pm-11pm	S. Devlin 3-11; M. Bensi 3-6 (On Call)
Tues-Wed	3/22-3/23	11pm - 7am	Cliff Munson (On Call)
Wed	23-Mar	7am - 3pm	Nilesh Chokchi On Call)
Wed	23-Mar	3pm-11pm	A. Kammerer 3-11, M. Bensi 3-6 (On Call)
Wed-Thur	3/23-3/24	11pm - 7am	Annie Kammerer (On Call)
Thur	24-Mar	7am - 3pm	Cliff Munson (On Call)
Thur	24-Mar	3pm-11pm	A. Kammerer 3-11, M. Bensi 3-6 (On Call)
Thur-Fri	3/24-3/25	11pm - 7am	Dogan Seber (On Call)
Fri	25-Mar	7am - 3pm	Dogan Seber (On Call)
Fri	25-Mar	3pm-11pm	A.Kammerer 3-11, M. Bensi 3-6 (On Call)
Fri-Sat	3/25-3/26	11pm-7am	Dogan Seber (On Call)
Sat	26-Mar	7am - 3pm	A. Kammerer (On Call)
Sat	26-Mar	3pm-11pm	A. Kammerer (On Call)
Sat-Sun	3/26-3/27	11pm - 7am	A. Kammerer (On Call)
RST Support (Structural)			
Fri-Sat	3/18-3/19	11pm-7am	Off (On Call)
Sat	19-Mar	7am - 3pm	Off (On Call)
Sat	19-Mar	3pm-11pm	Off (On Call)
Sat-Sun	3/19-3/20	11pm - 7am	Off (On Call)
Sun	20-Mar	7am - 3pm	Off (On Call)
Sun	20-Mar	3pm-11pm	Off (On Call)
Sun-Mon	3/20-3/21	11pm - 7am	Off (On Call)

Japan Earthquake ERO Staffing Roster
March 20-26, 2011
Pay Period 7 - Week 2

Mon	21-Mar	7am - 3pm	Off (On Call)
Mon	21-Mar	3pm-11pm	Bret Tegeler (On Call)
Mon-Tues	3/21-3/22	11pm - 7am	Bret Tegeler (On Call)
Tues	22-Mar	7am - 3pm	Pravin Patel (On Call)
Tues	22-Mar	3pm-11pm	Bret Tegeler (On Call)
Tues-Wed	3/22-3/23	11pm - 7am	Bret Tegeler (On Call)
Wed	23-Mar	7am - 3pm	Pravin Patel (On Call)
Wed	23-Mar	3pm-11pm	Samir Chakrabart (On Call)
Wed-Thur	3/23-3/24	11pm - 7am	Samir Chakrabart (On Call)
Thur	24-Mar	7am - 3pm	Pravin Patel (On Call)
Thur	24-Mar	3pm-11pm	Jerry Chung (On Call)
Thur-Fri	3/24-3/25	11pm - 7am	Jerry Chung(On Call)
Fri	25-Mar	7am - 3pm	Pravin Patel (On Call)
Fri	25-Mar	3pm-11pm	Manas Chakravorty (On Call)
Fri-Sat	3/25-3/26	11pm-7am	Manas Chakravorty (On Call)
Sat	26-Mar	7am - 3pm	Off (On Call)
Sat	26-Mar	3pm-11pm	Off (On Call)
Sat-Sun	3/26-3/27	11pm - 7am	Off (On Call)

From: OST02 HOC

To: Abrams, Charlotte; Abu-Eid, Boby; Adams, John; Afshar-Tous, Mugeh; Ahn, Hosung; Alemu, Bezakulu; Algama, Don; Alter, Peter; Anderson, Brian; Anderson, James; Arndt, Steven; Arribas-Colon, Maria; Ashkeboussi, Nima; Athey, George; Baker, Stephen; Ballam, Nick; Barnhurst, Daniel; Barr, Cynthia; Barss, Dan; Bazian, Samuel; Bensi, Michelle; Bergman, Thomas; Berry, Rollie; Bhachu, Ujagar; Bloom, Steven; Blount, Tom; Boger, Bruce; Bonnette, Cassandra; Borchardt, Bill; Bowers, Anthony; Bowman, Gregory; Boyce, Tom (RES); Brandon, Lou; Brandt, Philip; Brenner, Eliot; Brock, Kathryn; Brown, Cris; Brown, David; Brown, Eva; Brown, Frederick; Brown, Michael; Bukharin, Oleg; Burnell, Scott; Bush-Goddard, Stephanie; Campbell, Stephen; Camper, Larry; Carpenter, Cynthia; Carter, Mary; Case, Michael; Casto, Greg; Cecere, Bethany; Cervera, Margaret; Chazell, Russell; Chen, Yen-Ju; Cheok, Michael; Chokshi, Nilesh; Chowdhury, Prosanta; Chung, Donald; Circle, Jeff; Clement, Richard; Clinton, Rebecca; Coggins, Angela; Collins, Frank; Cool, Donald; Correia, Richard; Corson, James; Costa, Arlon; Couret, Ivonne; Craffey, Ryan; Crutchley, Mary Glenn; Cruz, Zahira; Cuadrado, Leira; Dacus, Eugene; DeCicco, Joseph; Decker, David; Dembek, Stephen; Devlin, Stephanie; Dimmick, Lisa; Doane, Margaret; Dorman, Dan; Dorsey, Cynthia; Dozier, Jerry; Drake, Margaret; Droggitis, Spiros; Dube, Donald; Dudes, Laura; Eads, Johnny; Emche, Danielle; English, Lance; Erlanger, Craig; Esmaili, Hossein; Figueroa, Roberto; Fiske, Jonathan; Flanders, Scott; Flannery, Cindy; Floyd, Daphene; Foggie, Kirk; Foster, Jack; Fragoyannis, Nancy; Franovich, Rani; Frazier, Alan; Freshman, Steve; Fuller, Edward; Galletta, Thomas; Gambone, Kimberly; Gardocki, Stanley; Gartman, Michael; Gibson, Kathy; Gitter, Joseph; Gilmer, James; Glenn, Nichole; Gordon, Dennis; Gott, William; Grant, Jeffery; Greenwood, Carol; Greenwood, Carol; Grimes, Kelly; Grobe, Jack; Gross, Allen; Gulla, Gerald; Hale, Jerry; Hardesty, Duane; Hardin, Kimberly; Hardin, Leroy; Harrington, Holly; Harris, Tim; Harrison, Donnie; Hart, Ken; Hart, Michelle; Harvey, Brad; Hasselberg, Rick; Hayden, Elizabeth; Helton, Donald; Henderson, Karen; Hiland, Patrick; Holahan, Patricia; Holahan, Vincent; Holian, Brian; HOO Hoc; Horn, Brian; Howard, Tabitha; Huffert, Anthony; Hurd, Sapna; Huyck, Doug; Imboden, Andy; Isom, James; Jackson, Karen; Jacobson, Jeffrey; Jervey, Richard; Jessie, Janelle; Johnson, Michael; Jolicoeur, John; Jones, Andrea; Jones, Cynthia; Jones, Henry; Kahler, Carolyn; Kammerer, Annie; Karas, Rebecca; Kauffman, John; Khan, Omar; Kolb, Timothy; Kotzalas, Margie; Kowalczik, Jeffrey; Kratchman, Jessica; Kugler, Andrew; Lamb, Christopher; Lane, John; Larson, Emily; Laur, Steven; LaVie, Steve; Lewis, Robert; Li, Yong; Lichatz, Taylor; Lising, Jason; Lombard, Mark; Lubinski, John; Lui, Christiana; Lukes, Kim; Lynch, Jeffery; Ma, John; Mamish, Nader; Manahan, Michelle; Marksberry, Don; Marshall, Jane; Masao, Nagai; Maupin, Cardelia; Mayros, Lauren; Mazaika, Michael; McConnell, Keith; McCoppin, Michael; McDermott, Brian; McGinty, Tim; McGovern, Denise; McIntyre, David; McMurtray, Anthony; Merritt, Christina; Meyer, Karen; Miller, Charles; Miller, Chris; Milligan, Patricia; Miranda, Samuel; Mohseni, Aby; Moore, Scott; Morlang, Gary; Morris, Scott; Mroz (Sahm), Sara; Munson, Clifford; Murray, Charles; Nerret, Amanda; Nguyen, Caroline; Norris, Michael; Norton, Charles; Opara, Stella; Ordaz, Vonna; Owens, Janice; Padovan, Mark; Parillo, John; Patel, Jay; Patel, Pravin; Patrick, Mark; Perin, Vanice; Pope, Tia; Powell, Amy; Purdy, Gary; Quinlan, Kevin; Raddatz, Michael; Ragland, Robert; Ralph, Melissa; Ramsey, Jack; Reed, Elizabeth; Reed, Sara; Reed, Wendy; Reeves, Rosemary; Reis, Terrence; Resner, Mark; Riley (OCA), Timothy; Riner, Kelly; Rini, Brett; Roach, Edward; Robinson, Edward; Rodriguez-Luccioni, Hector; Roggenbrodt, William; Ropon, Kimberly; Rosales-Cooper, Cindy; Rosenberg, Stacey; Ross-Lee, MaryJane; Roundtree, Amy; Ruland, William; Russell, Tonya; Ryan, Michelle; Salay, Michael; Salter, Susan; Salus, Amy; Sanfilippo, Nathan; Santos, Daniel; Scarbrough, Thomas; Schaperow, Jason; Schmidt, Duane; Schmidt, Rebecca; Schoenebeck, Greg; Schrader, Eric; Schwartzman, Jennifer; Seber, Dogan; See, Kenneth; Shane, Raeann; Shea, James; Shepherd, Jill; Sheron, Brian; Skarda, Raymond; Skeen, David; Sloan, Scott; Smiroldo, Elizabeth; Smith, Brooke; Smith, Stacy; Smith, Theodore; Stahl, Eric; Stang, Annette; Stark, Johnathan; Steger (Tucci), Christine; Stieve, Alice; Stone, Rebecca; Stransky, Robert; Sturz, Fritz; Sullivan, Randy; Summers, Robert; Sun, Casper; Tappert, John; Tegeler, Bret; Temple, Jeffrey; Thaggard, Mark; Thomas, Eric; Thorp, John; Tiruneh, Nebiyu; Tobin, Jennifer; Trefethen, Jean; Tschiltz, Michael; Turtil, Richard; Uhle, Jennifer; Valencia, Sandra; Vaughn, James; Vick, Lawrence; Virgilio, Martin; Virgilio, Rosetta; Ward, Leonard; Ward, William; Wastler, Sandra; Watson, Bruce; Webber, Robert; Weber, Michael; White, Bernard; Wiggins, Jim; Williams, Donna; Williams, Joseph; Williamson, Linda; Willis, Dori; Wimbush, Andrea; Wittick, Brian; Wray, John; Wright, Lisa (Gibney); Wright, Ned; Wunder, George; Young, Francis; Zimmerman, Jacob; Zimmerman, Roy

Subject: JAPANESE EARTHQUAKE ERO STAFFING MARCH 27 - APRIL 2 (PAYPERIOD 8, WEEK 1)

Date: Friday, March 25, 2011 6:17:01 PM

Attachments: MASTER RESPONDER SCHEDULE FOR JAPAN EARTHQUAKE.pdf

---

Attached is the OPS Center Watchbill for Sunday, March 27 – Saturday, April 2. All positions except the PMTR RAAD, Sunday, 3pm – 11pm, are filled through Monday days (7:00am-3:00pm). Please contact the various Team Coordinators and OST02.HOC@nrc.gov if you would like to work any open slots.

If you need to change the schedule please send an email to OST02.HOC@nrc.gov and your teams coordinator

EST Admin Support
NRC Operations Center

TTTT/196

301-816-5100 x5600

EST Admin Support
NRC Operations Center
eMail: OST02.HOC@nrc.gov

Japan Earthquake ERO Staffing Roster
Mar 27-Apr 2, 2011
Pay Period 8 - Week 1

Position	Date	Time	Staff
		Executive Team	
ET Director			
Sat-Sun	3/26-3/27	11pm - 7am	Jennifer Uhle
Sun	27-Mar	7am - 3pm	Jim Dyer
Sun	27-Mar	3pm-11pm	Brian Sheron
Sun-Mon	3/27-3/28	11pm - 7am	Jim Wiggins
Mon	28-Mar	7am - 3pm	Mike Weber
Mon	28-Mar	3pm-11pm	Roy Zimmerman
Mon-Tue	3/28-3/29	11pm - 7am	Jim Wiggins
Tue	29-Mar	7am - 3pm	Mike Weber
Tue	29-Mar	3pm-11pm	Roy Zimmerman
Tue-Wed	3/29-3/30	11pm - 7am	Jim Wiggins
Wed	30-Mar	7am - 3pm	
Wed	30-Mar	3pm-11pm	Roy Zimmerman
Wed-Thur	3/30-3/31	11pm - 7am	Jim Wiggins
Thur	31-Mar	7am - 3pm	
Thur	31-Mar	3pm-11pm	Brian Sheron
Thur-Fri	3/31-4/1	11pm - 7am	Cynthia Carpenter
Fri	1-Apr	7am - 3pm	Mike Weber
Fri	1-Apr	3pm-11pm	
Fri-Sat	4/1-4/2	11pm-7am	Cynthia Carpenter
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	Cynthia Carpenter
ET Response Advisor			
Sat-Sun	3/26-3/27	11pm - 7am	Chris Miller
Sun	27-Mar	7am - 3pm	Tom Blount
Sun	27-Mar	3pm-11pm	Brian McDermott
Sun-Mon	3/27-3/28	11pm - 7am	Scott Morris
Mon	28-Mar	7am - 3pm	Tom Blount
Mon	28-Mar	3pm-11pm	Brian McDermott
Mon-Tue	3/28-3/29	11pm - 7am	Chris Miller
Tue	29-Mar	7am - 3pm	Tom Blount
Tue	29-Mar	3pm-11pm	Brian McDermott
Tue-Wed	3/29-3/30	11pm - 7am	Scott Morris
Wed	30-Mar	7am - 3pm	Tom Blount
Wed	30-Mar	3pm-11pm	Brian McDermott
Wed-Thur	3/30-3/31	11pm - 7am	Scott Morris
Thur	31-Mar	7am - 3pm	
Thur	31-Mar	3pm-11pm	Mark Thaggard
Thur-Fri	3/31-4/1	11pm - 7am	Scott Morris
Fri	1-Apr	7am - 3pm	
Fri	1-Apr	3pm-11pm	Mark Thaggard
Fri-Sat	4/1-4/2	11pm-7am	Scott Morris
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm-7am	Brian McDermott

ET Rx Prot Measures & State Coordinator			
Sat-Sun	3/26-3/27	11pm - 7am	N/A
Sun	27-Mar	7am - 3pm	N/A
Sun	27-Mar	3pm-11pm	N/A
Sun-Mon	3/27-3/28	11pm - 7am	N/A
Mon	28-Mar	7am - 3pm	N/A
Mon	28-Mar	3pm-11pm	N/A
Mon-Tue	3/28-3/29	11pm - 7am	N/A
Tue	29-Mar	7am - 3pm	N/A
Tue	29-Mar	3pm-11pm	N/A
Tue-Wed	3/29-3/30	11pm - 7am	N/A
Wed	30-Mar	7am - 3pm	N/A
Wed	30-Mar	3pm-11pm	N/A
Wed-Thur	3/30-3/31	11pm - 7am	N/A
Thur	31-Mar	7am - 3pm	N/A
Thur	31-Mar	3pm-11pm	N/A
Thur-Fri	3/31-4/1	11pm - 7am	N/A
Fri	1-Apr	7am - 3pm	N/A
Fri	1-Apr	3pm-11pm	N/A
Fri-Sat	4/1-4/2	11pm-7am	N/A
Sat	2-Apr	7am - 3pm	N/A
Sat	2-Apr	3pm-11pm	N/A
Sat-Sun	4/2-4/3	11pm - 7am	N/A
		Executive Briefing Team	
EBT Admin. Assistant			
Sat-Sun	3/26-3/27	11pm - 7am	Jonathan Fiske
Sun	27-Mar	7am - 3pm	Annette Stang
Sun	27-Mar	3pm-11pm	Carolyn Kahler
Sun-Mon	3/27-3/28	11pm - 7am	Christina Merritt
Mon	28-Mar	7am - 3pm	Louise Lovell
Mon	28-Mar	3pm-11pm	Annette Stang
Mon-Tue	3/28-3/29	11pm - 9am	Jonathan Fiske
Tue	29-Mar	9am - 3pm	Sapna Hurd
Tue	29-Mar	3pm-11pm	Tonya Russell
Tue-Wed	3/29-3/30	11pm - 7am	Christina Merritt
Wed	30-Mar	7am - 3pm	Carolyn Kahler/Sapna Hurd
Wed	30-Mar	3pm-11pm	Tonya Russell
Wed-Thur	3/30-3/31	11pm - 7am	
Thur	31-Mar	7am - 3pm	Louise Lovell
Thur	31-Mar	3pm-11pm	Sapna Hurd
Thur-Fri	3/31-4/1	11pm - 7am	
Fri	1-Apr	7am - 3pm	Annette Stang
Fri	1-Apr	3pm-11pm	Sapna Hurd
Fri-Sat	4/1-4/2	11pm-7am	
EBT Coordinator			
Sat-Sun	3/26-3/27	11pm - 7am	Jim Anderson
Sun	27-Mar	7am - 3pm	Eddie Robinson

Sun	27-Mar	3pm-11pm	Nicole Glenn
Sun-Mon	3/27-3/28	11pm - 7am	Caroline Nguyen
Mon	28-Mar	7am - 3pm	Yen Chen
Mon	28-Mar	3pm-11pm	Sara Mroz
Mon-Tue	3/28-3/29	11pm - 7am	Jim Anderson
Tue	29-Mar	7am - 3pm	Yen Chen
Tue	29-Mar	3pm-11pm	Sara Mroz
Tue-Wed	3/29-3/30	11pm - 7am	Jim Anderson
Wed	30-Mar	7am - 3pm	Yen Chen
Wed	30-Mar	3pm-11pm	Sara Mroz
Wed-Thur	3/30-3/31	11pm - 7am	Jim Anderson
Thur	31-Mar	7am - 3pm	Yen Chen
Thur	31-Mar	3pm-11pm	Sara Mroz
Thur-Fri	3/31-4/1	11pm - 7am	Jim Anderson
Fri	1-Apr	7am - 3pm	Yen Chen
Fri	1-Apr	3pm-11pm	Sara Mroz
Fri-Sat	4/1-4/2	11pm-7am	Jim Anderson
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
		Executive Support Team	
EST Status Officer			
Sat-Sun	3/26-3/27	11pm - 7am	Jeff Grant
Sun	27-Mar	7am - 3pm	Jane Marshall
Sun	27-Mar	3pm-11pm	Bill Gott
Sun-Mon	3/27-3/28	11pm - 7am	Jeff Grant
Mon	28-Mar	7am - 3pm	Jane Marshall
Mon	28-Mar	3pm-11pm	Bill Gott
Mon-Tue	3/28-3/29	11pm - 7am	Jeff Grant
Tue	29-Mar	7am - 3pm	Jane Marshall
Tue	29-Mar	3pm-11pm	Bill Gott
Tue-Wed	3/29-3/30	11pm - 7am	Jeff Grant
Wed	30-Mar	7am - 3pm	Jane Marshall
Wed	30-Mar	3pm-11pm	Bill Gott
Wed-Thur	3/30-3/31	11pm - 7am	Jeff Grant
Thur	31-Mar	7am - 3pm	Jane Marshall
Thur	31-Mar	3pm-11pm	Bill Gott
Thur-Fri	3/31-4/1	11pm - 7am	Jeff Grant
Fri	1-Apr	7am - 3pm	Jane Marshall ?
Fri	1-Apr	3pm-11pm	Bill Gott
Fri-Sat	4/1-4/2	11pm-7am	Jeff Grant
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
EST Actions Officer			
Sat-Sun	3/26-3/27	11pm - 7am	N/A
Sun	27-Mar	7am - 3pm	Kelly Grimes

Sun	27-Mar	3pm-11pm	Melissa Ralph
Sun-Mon	3/27-3/28	11pm - 7am	N/A
Mon	28-Mar	7am - 3pm	Zahira Cruz
Mon	28-Mar	3pm-11pm	Melissa Ralph
Mon-Tue	3/28-3/29	11pm - 7am	N/A
Tue	29-Mar	7am - 3pm	
Tue	29-Mar	3pm-11pm	Melissa Ralph
Tue-Wed	3/29-3/30	11pm - 7am	N/A
Wed	30-Mar	7am - 3pm	Wendy Reed
Wed	30-Mar	3pm-11pm	Melissa Ralph
Wed-Thur	3/30-3/31	11pm - 7am	N/A
Thur	31-Mar	7am - 3pm	Jonathan Fiske
Thur	31-Mar	3pm-11pm	Melissa Ralph
Thur-Fri	3/31-4/1	11pm - 7am	N/A
Fri	1-Apr	7am - 3pm	Wendy Reed
Fri	1-Apr	3pm-11pm	Melissa Ralph
Fri-Sat	4/1-4/2	11pm-7am	Don Algama
Sat	2-Apr	7am - 3pm	Anthony Bowers
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	N/A
EST Coordinator			
Sat-Sun	3/26-3/27	11pm - 7am	Steve Campbell
Sun	27-Mar	7am - 3pm	Tonya Russell
Sun	27-Mar	3pm-11pm	Stella Opara
Sun-Mon	3/27-3/28	11pm - 7am	Taylor Lichatz
Mon	28-Mar	7am - 3pm	Tony McMurtray
Mon	28-Mar	3pm-11pm	Rebecca Stone
Mon-Tue	3/28-3/29	11pm - 7am	Stacy Smith
Tue	29-Mar	7am - 3pm	Anthony Bowers
Tue	29-Mar	3pm-11pm	Tony McMurtray
Tue-Wed	3/29-3/30	11pm - 7am	Rebecca Stone
Wed	30-Mar	7am - 3pm	Taylor Lichatz
Wed	30-Mar	3pm-11pm	Tony McMurtray
Wed-Thur	3/30-3/31	11pm - 7am	Rebecca Stone
Thur	31-Mar	7am - 3pm	Anthony Bowers
Thur	31-Mar	3pm-11pm	Tony McMurtray
Thur-Fri	3/31-4/1	11pm - 7am	Rebecca Stone
Fri	1-Apr	7am - 3pm	Steve Campbell
Fri	1-Apr	3pm-11pm	Tony McMurtray
Fri-Sat	4/1-4/2	11pm-7am	Rebecca Stone
Sat	2-Apr	7am - 3pm	Stacy Smith
Sat	2-Apr	3pm-11pm	Steve Campbell
Sat-Sun	4/2-4/3	11pm - 7am	Rebecca Stone
EST Chronology Officer			
Sat-Sun	3/26-3/27	11pm - 7am	Thomas Scarbrough
Sun	27-Mar	7am - 3pm	Hector Rodriguez
Sun	27-Mar	3pm-11pm	Rebecca Karas

Sun-Mon	3/27-3/28	11pm - 7am	Thomas Scarbrough
Mon	28-Mar	7am - 3pm	Hector Rodriguez
Mon	28-Mar	3pm-11pm	Rebecca Karas
Mon-Tue	3/28-3/29	11pm - 7am	
Tue	29-Mar	7am - 3pm	Vanice Perin
Tue	29-Mar	3pm-11pm	Rebecca Karas
Tue-Wed	3/29-3/30	11pm - 7am	
Wed	30-Mar	7am - 3pm	Hector Rodriguez
Wed	30-Mar	3pm-11pm	Rebecca Karas
Wed-Thur	3/30-3/31	11pm - 7am	Thomas Scarbrough
Thur	31-Mar	7am - 3pm	Vanice Perin
Thur	31-Mar	3pm-11pm	Rebecca Karas
Thur-Fri	3/31-4/1	11pm - 7am	Nick Ballam
Fri	1-Apr	7am - 3pm	Sandra Valencia
Fri	1-Apr	3pm-11pm	Rebecca Karas
Fri-Sat	4/1-4/2	11pm-7am	Nick Ballam
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
EST Response Ops Mgr			
Sat-Sun	3/26-3/27	11pm - 7am	Roberto Figueroa
Sun	27-Mar	7am - 3pm	Omar Khan
Sun	27-Mar	3pm-11pm	Cris Brown
Sun-Mon	3/27-3/28	11pm - 7am	Roberto Figueroa
Mon	28-Mar	7am - 3pm	Karen Jackson
Mon	28-Mar	3pm-11pm	Cris Brown
Mon-Tue	3/28-3/29	11pm - 7am	Omar Khan
Tue	29-Mar	7am - 3pm	Bob Stransky
Tue	29-Mar	3pm-11pm	Cris Brown
Tue-Wed	3/29-3/30	11pm - 7am	Karen Jackson
Wed	30-Mar	7am - 3pm	Omar Khan
Wed	30-Mar	3pm-11pm	Cris Brown
Wed-Thur	3/30-3/31	11pm - 7am	Bob Stransky
Thur	31-Mar	7am - 3pm	Karen Jackson
Thur	31-Mar	3pm-11pm	Omar Khan
Thur-Fri	3/31-4/1	11pm - 7am	Bob Stransky
Fri	1-Apr	7am - 3pm	Roberto Figueroa
Fri	1-Apr	3pm-11pm	Karen Jackson
Fri-Sat	4/1-4/2	11pm-7am	Omar Khan
Sat	2-Apr	7am - 3pm	Roberto Figueroa
Sat	2-Apr	3pm-11pm	Karen Jackson
Sat-Sun	4/2-4/3	11pm - 7am	Omar Khan
EST Admin. Assistant			
Sat-Sun	3/26-3/27	11pm - 7am	N/A
Sun	27-Mar	7am - 3pm	Karen Meyer
Sun	27-Mar	3pm-11pm	Cynthia Dorsey
Sun-Mon	3/27-3/28	11pm - 7am	N/A

Mon	28-Mar	7am - 3pm	Michelle Manahan
Mon	28-Mar	3pm-11pm	Carol Greenwood
Mon-Tue	3/28-3/29	11pm - 7am	N/A
Tue	29-Mar	7am - 3pm	Michelle Manahan
Tue	29-Mar	3pm-11pm	Mary Glenn Crutchley
Tue-Wed	3/29-3/30	11pm - 7am	N/A
Wed	30-Mar	7am - 3pm	Cynthia Dorsey
Wed	30-Mar	3pm-11pm	Mary Glenn Crutchley
Wed-Thur	3/30-3/31	11pm - 7am	N/A
Thur	31-Mar	7am - 3pm	Amy Salus
Thur	31-Mar	3pm-11pm	Tabitha Howard
Thur-Fri	3/31-4/1	11pm - 7am	N/A
Fri	1-Apr	7am - 3pm	Carol Greenwood
Fri	1-Apr	3pm-11pm	Tabitha Howard
Fri-Sat	4/1-4/2	11pm-7am	N/A
Sat	2-Apr	7am - 3pm	Karen Meyer
Sat	2-Apr	3pm-11pm	Cynthia Dorsey
Sat-Sun	4/2-4/3	11pm - 7am	N/A
		Liaison Team	
LT Director			
Sat-Sun	3/26-3/27	11pm - 7am	Marissa Bailey
Sun	27-Mar	7am - 3pm	Mike Tschiltz
Sun	27-Mar	3pm-11pm	Marrisa Bailey
Sun-Mon	3/27-3/28	11pm - 7am	Mark Thaggard
Mon	28-Mar	7am - 3pm	Allen Howe
Mon	28-Mar	3pm-11pm	Marrisa Bailey
Mon-Tue	3/28-3/29	11pm - 7am	
Tue	29-Mar	7am - 3pm	Allen Howe
Tue	29-Mar	3pm-11pm	Marrisa Bailey
Tue-Wed	3/29-3/30	11pm - 7am	
Wed	30-Mar	7am - 3pm	Allen Howe
Wed	30-Mar	3pm-11pm	Marrisa Bailey
Wed-Thur	3/30-3/31	11pm - 7am	
Thur	31-Mar	7am - 3pm	John Adams
Thur	31-Mar	3pm-11pm	Mark Lombard
Thur-Fri	3/31-4/1	11pm - 7am	Bob Webber
Fri	1-Apr	7am - 3pm	John Adams
Fri	1-Apr	3pm-11pm	Mark Lombard
Fri-Sat	4/1-4/2	11pm-7am	Tom Bergman
Sat	2-Apr	7am - 3pm	John Adams
Sat	2-Apr	3pm-11pm	Mark Lombard
Sat-Sun	4/2-4/3	11pm - 7am	Tom Bergman
LT Coordinator			
Sat-Sun	3/26-3/27	11pm - 7am	Milt Murray
Sun	27-Mar	7am - 3pm	Lisa Gibney
Sun	27-Mar	3pm-11pm	Jeff Temple
Sun-Mon	3/27-3/28	11pm - 7am	Milt Murray

Mon	28-Mar	7am - 3pm	Jeff Temple
Mon	28-Mar	3pm-11pm	Rani Franovich
Mon-Tue	3/28-3/29	11pm - 7am	Janelle Jessie
Tue	29-Mar	7am - 3pm	Milt Murray
Tue	29-Mar	3pm-11pm	Rani Franovich
Tue-Wed	3/29-3/30	11pm - 7am	Janelle Jessie
Wed	30-Mar	7am - 3pm	Milt Murray
Wed	30-Mar	3pm-11pm	Jeff Temple
Wed-Thur	3/30-3/31	11pm - 7am	Janelle Jessie
Thur	31-Mar	7am - 3pm	Milt Murray
Thur	31-Mar	3pm-11pm	Jeff Temple
Thur-Fri	3/31-4/1	11pm - 7am	Rani Franovich
Fri	1-Apr	7am - 3pm	Jeff Temple
Fri	1-Apr	3pm-11pm	Janelle Jessie
Fri-Sat	4/1-4/2	11pm-7am	Rani Franovich
Sat	2-Apr	7am - 3pm	Jeff Temple
Sat	2-Apr	3pm-11pm	Milt Murray
Sat-Sun	4/2-4/3	11pm - 7am	
LT State Liaison			
Sat-Sun	3/26-3/27	9pm-7am	A. Rivera/A. Noonan (ON CALL)
Sun	27-Mar	7am-2pm	Alison Rivera (ON CALL)
Sun	27-Mar	2pm-9pm	Alison Rivera (ON CALL)
Sun-Mon	3/27-3/28	9pm-7am	Alison Rivera (ON CALL)
Mon	28-Mar	7am-2pm	C. Maupin/C. Flannery (ON CALL)
Mon	28-Mar	2pm-9pm	Stuart Easson
Mon-Tue	3/28-3/29	9pm-7am	R. Virgilio (ON CALL)
Tue	29-Mar	7am-2pm	C. Maupin/C. Flannery (ON CALL)
Tue	29-Mar	2pm-9pm	Stuart Easson
Tue-Wed	3/29-3/30	9pm-7am	Richard Turtil (ON CALL)
Wed	30-Mar	7am-2pm	Cindy Flannery
Wed	30-Mar	2pm-9pm	Michelle Ryan
Wed-Thur	3/30-3/31	9pm-7am	Richard Turtil (ON CALL)
Thur	31-Mar	7am-2pm	Amanda Noonan
Thur	31-Mar	2pm-9pm	Michelle Ryan
Thur-Fri	3/31-4/1	9pm-7am	Richard Turtil (ON CALL)
Fri	1-Apr	7am-2pm	Kim Lukes
Fri	1-Apr	2pm-9pm	Alison Rivera
Fri-Sat	4/1-4/2	9pm-7am	Richard Turtil (ON CALL)
Sat	2-Apr	7am-2pm	Amanda Noonan (ON CALL)
Sat	2-Apr	2pm-9pm	Amanda Noonan (ON CALL)
Sat-Sun	2-Apr	9pm-7am	Amanda Noonan (ON CALL)
LT Federal Liaison (2)			
Sat-Sun	3/26-3/27	11pm - 7am	Scott Sloan
Sun	27-Mar	7am - 3pm	Susan Salter / Lisa Gibney
Sun	27-Mar	3pm-11pm	Jerry Hale
Sun-Mon	3/27-3/28	11pm - 7am	Scott Sloan
Mon	28-Mar	7am - 3pm	Susan Salter / Lisa Gibney

Mon	28-Mar	3pm-11pm	Lisa Wright
Mon-Tue	3/28-3/29	11pm - 7am	Ned Wright
Tue	29-Mar	7am - 3pm	Susan Salter / Jerry Hale
Tue	29-Mar	3pm-11pm	Lisa Wright
Tue-Wed	3/29-3/30	11pm - 7am	Ned Wright
Wed	30-Mar	7am - 3pm	Bethany Cecere / Jerry Hale
Wed	30-Mar	3pm-11pm	Lisa Wright
Wed-Thur	3/30-3/31	11pm - 7am	Ned Wright
Thur	31-Mar	7am - 3pm	Jeff Temple / Jason Lising
Thur	31-Mar	3pm-11pm	Ted Smith
Thur-Fri	3/31-4/1	11pm - 7am	Ned Wright
Fri	1-Apr	7am - 3pm	Jeff Lynch / Beth Reed
Fri	1-Apr	3pm-11pm	Jerry Hale
Fri-Sat	4/1-4/2	11pm-7am	Jason Lising
Sat	2-Apr	7am - 3pm	Beth Reed
Sat	2-Apr	3pm-11pm	Bethany Cecere
Sat-Sun	4/2-4/3	11pm - 7am	Jason Lising
LT Congressional Liaison (2)			
Sat-Sun	3/26-3/27	11pm - 7am	Amy Powell (ON CALL)
Sun	27-Mar	7am - 3pm	Amy Powell (ON CALL)
Sun	27-Mar	3pm-11pm	Amy Powell (ON CALL)
Sun-Mon	3/27-3/28	11pm - 7am	Amy Powell (ON CALL)
Mon	28-Mar	7am - 3pm	Amy Powell (ON CALL)
Mon	28-Mar	3pm-11pm	Amy Powell (ON CALL)
Mon-Tue	3/28-3/29	11pm - 7am	Amy Powell (ON CALL)
Tue	29-Mar	7am - 3pm	Amy Powell (ON CALL)
Tue	29-Mar	3pm-11pm	Amy Powell (ON CALL)
Tue-Wed	3/29-3/30	11pm - 7am	Amy Powell (ON CALL)
Wed	30-Mar	7am - 3pm	Amy Powell (ON CALL)
Wed	30-Mar	3pm-11pm	Amy Powell (ON CALL)
Wed-Thur	3/30-3/31	11pm - 7am	Amy Powell (ON CALL)
Thur	31-Mar	7am - 3pm	Amy Powell (ON CALL)
Thur	31-Mar	3pm-11pm	Amy Powell (ON CALL)
Thur-Fri	3/31-4/1	11pm - 7am	Amy Powell (ON CALL)
Fri	1-Apr	7am - 2pm	Amy Powell (ON CALL)
Fri	1-Apr	2pm-9pm	Amy Powell (ON CALL)
Sat	2-Apr	7am - 2pm	Amy Powell (ON CALL)
Sat	2-Apr	2pm-9pm	Amy Powell (ON CALL)
Sun	3-Apr	7am-2pm	Amy Powell (ON CALL)
LT International Liaison (2)			
Sat-Sun	3/26-3/27	11pm - 7am	Cindy Rosales/ Elizabeth Smiroldo
Sun	27-Mar	7am - 3pm	Jill Shepard/ Karen Henderson
Sun	27-Mar	3pm-11pm	Nancy Fragoyannis/ Jenny Tobin
Sun-Mon	3/27-3/28	11pm - 7am	Steve Baker / Brian Wittick
Mon	28-Mar	7am - 3pm	Jill Shepard/ Karen Henderson
Mon	28-Mar	3pm-11pm	Nancy Fragoyannis / Cindy Rosales
Mon-Tue	3/28-3/29	11pm - 7am	Steve Baker / Brian Wittick

Tue	29-Mar	7am - 3pm	Jill Shepard/ Karen Henderson
Tue	29-Mar	3pm-11pm	Nancy Fragoyannis / Gerri Fehst
Tue-Wed	3/29-3/30	11pm - 7am	Steve Baker / Brian Wittick
Wed	30-Mar	7am - 3pm	Eric Stahl / Lauren Mayros (J. Tobin 12-3)
Wed	30-Mar	3pm-11pm	Danielle Emche / Mugah Afshar-Tous
Wed-Thur	3/30-3/31	11pm - 7am	Jen Schwartman / Charlotte Abrams
Thur	31-Mar	7am - 3pm	Jill Shepard / Lauren Mayros
Thur	31-Mar	3pm-11pm	Gerri / Mugah Afshar-Tous
Thur-Fri	3/31-4/1	11pm - 7am	Jen Schwartman / Charlotte Abrams
Fri	1-Apr	7am - 3pm	Cindy Rosales/ Lauren Mayros
Fri	1-Apr	3pm-11pm	Gerri/ Mugah Afshar-Tous
Fri-Sat	4/1-4/2	11pm-7am	Jen Schwartman / Charlotte Abrams
Sat	2-Apr	7am - 3pm	Steve Bloom/ Karen Henderson
Sat	2-Apr	3pm-11pm	Janice Owens / Jenny Tobin
Sat-Sun	4/2-4/3	11pm - 7am	Gerri Fehst / Elizabeth Smiroldo
		Protective Measures Team	
PMTR Director			
Sat-Sun	3/26-3/27	11pm - 7am	Randy Sullivan
Sun	27-Mar	7am - 3pm	Don Cool
Sun	27-Mar	3pm-11pm	Vince Holahan
Sun-Mon	3/27-3/28	11pm - 7am	John Tappert
Mon	28-Mar	7am - 3pm	Don Cool
Mon	28-Mar	3pm-11pm	Vince Holahan
Mon-Tue	3/28-3/29	11pm - 7am	John Tappert
Tue	29-Mar	7am - 3pm	Terry Reis
Tue	29-Mar	3pm-11pm	Vince Holahan
Tue-Wed	3/29-3/30	11pm - 7am	Patricia Milligan
Wed	30-Mar	7am - 3pm	Terry Reis
Wed	30-Mar	3pm-11pm	Vince Holahan
Wed-Thur	3/30-3/31	11pm - 7am	Patricia Milligan
Thur	31-Mar	7am - 3pm	Randy Sullivan
Thur	31-Mar	3pm-11pm	Terry Reis
Thur-Fri	3/31-4/1	11pm - 7am	Christiana Lui
Fri	1-Apr	7am - 3pm	Randy Sullivan
Fri	1-Apr	3pm-11pm	Don Cool
Fri-Sat	4/1-4/2	11pm-7am	Christiana Lui
Sat	2-Apr	7am - 3pm	Randy Sullivan
Sat	2-Apr	3pm-11pm	Don Cool
Sat-Sun	4/2-4/3	11pm - 7am	Christiana Lui
PMTR Coordinator			
Sat-Sun	3/26-3/27	11pm - 7am	Lou Brandon
Sun	27-Mar	7am - 3pm	Ryan Craffey
Sun	27-Mar	3pm-11pm	Jay Patel
Sun-Mon	3/27-3/28	11pm - 7am	Lou Brandon
Mon	28-Mar	7am - 3pm	Duane Hardesty
Mon	28-Mar	3pm-11pm	Nima Ashkeboussi
Mon-Tue	3/28-3/29	11pm - 7am	Lou Brandon

Tue	29-Mar	7am - 3pm	Duane Hardesty
Tue	29-Mar	3pm-11pm	Nima Ashkeboussi
Tue-Wed	3/29-3/30	11pm - 7am	Lou Brandon
Wed	30-Mar	7am - 3pm	Michael Raddatz
Wed	30-Mar	3pm-11pm	Jay Patel
Wed-Thur	3/30-3/31	11pm - 7am	Ryan Craffey
Thur	31-Mar	7am - 3pm	Duane Hardesty
Thur	31-Mar	3pm-11pm	Michael Raddatz
Thur-Fri	3/31-4/1	11pm - 7am	
Fri	1-Apr	7am - 3pm	Duane Hardesty
Fri	1-Apr	3pm-11pm	Nima Ashkeboussi
Fri-Sat	4/1-4/2	11pm-7am	
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
PMTR Prot Actions Asst Dir			
Sat-Sun	3/26-3/27	11pm - 7am	Greg Casto
Sun	27-Mar	7am - 3pm	Kevin Williams
Sun	27-Mar	3pm-11pm	Tim Harris
Sun-Mon	3/27-3/28	11pm - 7am	Greg Casto/Jessical Kratchman
Mon	28-Mar	7am - 3pm	Sandra Wastler
Mon	28-Mar	3pm-11pm	Mike McCoppin
Mon-Tue	3/28-3/29	11pm - 7am	Greg Casto/Jessical Kratchman
Tue	29-Mar	7am - 3pm	
Tue	29-Mar	3pm-11pm	Tim Harris
Tue-Wed	3/29-3/30	11pm - 7am	Greg Casto
Wed	30-Mar	7am - 3pm	Alemu Bezakulu
Wed	30-Mar	3pm-11pm	Sandra Wastler
Wed-Thur	3/30-3/31	11pm - 7am	Greg Casto
Thur	31-Mar	7am - 3pm	Jessica Kratchman
Thur	31-Mar	3pm-11pm	Tim Harris
Thur-Fri	3/31-4/1	11pm - 7am	
Fri	1-Apr	7am - 3pm	Sandra Wastler/Jessica Kratchman
Fri	1-Apr	3pm-11pm	
Fri-Sat	4/1-4/2	11pm-7am	
Sat	2-Apr	7am - 3pm	Alemu Bezakulu
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
PMTR RAAD			
Sat-Sun	3/26-3/27	11pm - 7am	Mike Norris
Sun	27-Mar	7am - 3pm	Michelle Hart
Sun	27-Mar	3pm-11pm	
Sun-Mon	3/27-3/28	11pm - 7am	Mike Norris
Mon	28-Mar	7am - 3pm	Steve LaVie
Mon	28-Mar	3pm-11pm	Michelle Hart
Mon-Tue	3/28-3/29	11pm - 7am	Mike Norris
Tue	29-Mar	7am - 3pm	

Tue	29-Mar	3pm-11pm	
Tue-Wed	3/29-3/30	11pm - 7am	Mike Norris
Wed	30-Mar	7am - 3pm	
Wed	30-Mar	3pm-11pm	Steve LaVie
Wed-Thur	3/30-3/31	11pm - 7am	
Thur	31-Mar	7am - 3pm	Michelle Hart
Thur	31-Mar	3pm-11pm	
Thur-Fri	3/31-4/1	11pm - 7am	
Fri	1-Apr	7am - 3pm	
Fri	1-Apr	3pm-11pm	Steve LaVie
Fri-Sat	4/1-4/2	11pm-7am	Michelle Hart
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
PMTR Dose Assessment (RASCAL) - Need 2			
Sat-Sun	3/26-3/27	11pm - 7am	John Parillo/Ron LaVera
Sun	27-Mar	7am - 3pm	Tony Huffert
Sun	27-Mar	3pm-11pm	Casper Sun/Ed Roach
Sun-Mon	3/27-3/28	11pm - 7am	Margaret Cervera/John Parillo
Mon	28-Mar	7am - 3pm	Rich Clement/Tony Huffert
Mon	28-Mar	3pm-11pm	Bernie White/Casper Sun
Mon-Tue	3/28-3/29	11pm - 7am	Margaret Cervera/John Parillo
Tue	29-Mar	7am - 3pm	Tony Huffert/Rich Clement
Tue	29-Mar	3pm-11pm	Casper Sun
Tue-Wed	3/29-3/30	11pm - 7am	Margaret Cervera/Bernie White
Wed	30-Mar	7am - 3pm	Tony Huffert/Rich Clement
Wed	30-Mar	3pm-11pm	Casper Sun
Wed-Thur	3/30-3/31	11pm - 7am	Margaret Cervera/John Parillo
Thur	31-Mar	7am - 3pm	Rich Clement/Joe DeCicco
Thur	31-Mar	3pm-11pm	Bernie White (Maybe)/Casper Sun
Thur-Fri	3/31-4/1	11pm - 7am	John Parillo
Fri	1-Apr	7am - 3pm	/Rich Clement
Fri	1-Apr	3pm-11pm	Casper Sun
Fri-Sat	4/1-4/2	11pm-7am	John Parillo
Sat	2-Apr	7am - 3pm	Tony Huffert
Sat	2-Apr	3pm-11pm	Casper Sun
Sat-Sun	4/2-4/3	11pm - 7am	
PMTR GIS Analyst			
Sat-Sun	3/26-3/27	11pm - 7am	N/A
Sun	27-Mar	7am - 3pm	(ON CALL)
Sun	27-Mar	3pm-11pm	N/A
Sun-Mon	3/27-3/28	11pm - 7am	N/A
Mon	28-Mar	7am - 3pm	(ON CALL)
Mon	28-Mar	3pm-11pm	N/A
Mon-Tue	3/28-3/29	11pm - 7am	N/A
Tue	29-Mar	7am - 3pm	(ON CALL)
Tue	29-Mar	3pm-11pm	N/A

Tue-Wed	3/29-3/30	11pm - 7am	N/A
Wed	30-Mar	7am - 3pm	(ON CALL)
Wed	30-Mar	3pm-11pm	N/A
Wed-Thur	3/30-3/31	11pm - 7am	N/A
Thur	31-Mar	7am - 3pm	(ON CALL)
Thur	31-Mar	3pm-11pm	N/A
Thur-Fri	3/31-4/1	11pm - 7am	N/A
Fri	1-Apr	7am - 3pm	(ON CALL)
Fri	1-Apr	3pm-11pm	N/A
Fri-Sat	4/1-4/2	11pm-7am	N/A
Sat	2-Apr	7am - 3pm	(ON CALL)
Sat	2-Apr	3pm-11pm	N/A
Sat-Sun	4/2-4/3	11pm - 7am	N/A
PMTR Meteorologist			
Sat-Sun	3/26-3/27	11pm - 7am	N/A
Sun	27-Mar	7am - 3pm	(ON CALL)
Sun	27-Mar	3pm-11pm	N/A
Sun-Mon	3/27-3/28	11pm - 7am	N/A
Mon	28-Mar	7am - 3pm	(ON CALL)
Mon	28-Mar	3pm-11pm	N/A
Mon-Tue	3/28-3/29	11pm - 7am	N/A
Tue	29-Mar	7am - 3pm	(ON CALL)
Tue	29-Mar	3pm-11pm	N/A
Tue-Wed	3/29-3/30	11pm - 7am	N/A
Wed	30-Mar	7am - 3pm	(ON CALL)
Wed	30-Mar	3pm-11pm	N/A
Wed-Thur	3/30-3/31	11pm - 7am	N/A
Thur	31-Mar	7am - 3pm	(ON CALL)
Thur	31-Mar	3pm-11pm	N/A
Thur-Fri	3/31-4/1	11pm - 7am	N/A
Fri	1-Apr	7am - 3pm	(ON CALL)
Fri	1-Apr	3pm-11pm	N/A
Fri-Sat	4/1-4/2	11pm-7am	N/A
Sat	2-Apr	7am - 3pm	(ON CALL)
Sat	2-Apr	3pm-11pm	N/A
Sat-Sun	4/2-4/3	11pm - 7am	N/A
		Reactor Safety Team	
RST Director			
Sat-Sun	3/26-3/27	11pm - 7am	Dave Skeen
Sun	27-Mar	7am - 3pm	Pat Hiland
Sun	27-Mar	3pm-11pm	Fred Brown
Sun-Mon	3/27-3/28	11pm - 7am	Dave Skeen
Mon	28-Mar	7am - 3pm	Pat Hiland
Mon	28-Mar	3pm-11pm	Fred Brown
Mon-Tue	3/28-3/29	11pm - 7am	Dave Skeen
Tue	29-Mar	7am - 3pm	Jennifer Uhle
Tue	29-Mar	3pm-11pm	Fred Brown

Tue-Wed	3/29-3/30	11pm - 7am	Dave Skeen
Wed	30-Mar	7am - 3pm	Jennifer Uhle
Wed	30-Mar	3pm-11pm	Fred Brown
Wed-Thur	3/30-3/31	11pm - 7am	Mike Case
Thur	31-Mar	7am - 3pm	Jennifer Uhle
Thur	31-Mar	3pm-11pm	Bill Ruland
Thur-Fri	3/31-4/1	11pm - 7am	Mike Case
Fri	1-Apr	7am - 3pm	Jennifer Uhle
Fri	1-Apr	3pm-11pm	Bill Ruland
Fri-Sat	4/1-4/2	11pm-7am	Mike Case
Sat	2-Apr	7am - 3pm	Brian Holian
Sat	2-Apr	3pm-11pm	Bill Ruland
Sat-Sun	4/2-4/3	11pm - 7am	Mike Case
RST Coordinator			
Sat-Sun	3/26-3/27	11pm - 7am	Brett Rini
Sun	27-Mar	7am - 3pm	Peter Alter
Sun	27-Mar	3pm-11pm	Rick Hasselberg
Sun-Mon	3/27-3/28	11pm - 7am	Frank Collins
Mon	28-Mar	7am - 3pm	Peter Alter
Mon	28-Mar	3pm-11pm	Rick Hasselberg
Mon-Tue	3/28-3/29	11pm - 7am	Mike Morlang
Tue	29-Mar	7am - 3pm	Peter Alter
Tue	29-Mar	3pm-11pm	Greg Schoenebeck
Tue-Wed	3/29-3/30	11pm - 7am	Mike Morlang
Wed	30-Mar	7am - 3pm	Peter Alter
Wed	30-Mar	3pm-11pm	Greg Schoenebeck
Wed-Thur	3/30-3/31	11pm - 7am	Frank Collins
Thur	31-Mar	7am - 3pm	Peter Alter
Thur	31-Mar	3pm-11pm	Greg Schoenebeck
Thur-Fri	3/31-4/1	11pm - 7am	Frank Collins
Fri	1-Apr	7am - 3pm	Brett Rini
Fri	1-Apr	3pm-11pm	
Fri-Sat	4/1-4/2	11pm-7am	Frank Collins
Sat	2-Apr	7am - 3pm	Peter Alter
Sat	2-Apr	3pm-11pm	Brett Rini
Sat-Sun	4/2-4/3	11pm - 7am	Oleg Bukharin
Severe Accident/PRA			
Sat-Sun	3/26-3/27	11pm - 7am	Ray Skarda
Sun	27-Mar	7am - 3pm	Andy Howe
Sun	27-Mar	3pm-11pm	Jeff Mitman
Sun-Mon	3/27-3/28	11pm - 7am	Jim Gilmer
Mon	28-Mar	7am - 3pm	Jeff Circle
Mon	28-Mar	3pm-11pm	Len Ward
Mon-Tue	3/28-3/29	11pm - 7am	Steve Arndt
Tue	29-Mar	7am - 3pm	Hossein Esmaili
Tue	29-Mar	3pm-11pm	Ed Fuller
Tue-Wed	3/29-3/30	11pm - 7am	Steve Arndt

Wed	30-Mar	7am - 3pm	Jim Gilmer
Wed	30-Mar	3pm-11pm	Hossein Esmaili
Wed-Thur	3/30-3/31	11pm - 7am	Steve Arndt
Thur	31-Mar	7am - 3pm	Don Chung
Thur	31-Mar	3pm-11pm	Hossein Esmaili
Thur-Fri	3/31-4/1	11pm - 7am	Steve Arndt
Fri	1-Apr	7am - 3pm	Jeff Mitman
Fri	1-Apr	3pm-11pm	Don Hilton
Fri-Sat	4/1-4/2	11pm-7am	Ray Skarda
Sat	2-Apr	7am - 3pm	
Sat	2-Apr	3pm-11pm	
Sat-Sun	4/2-4/3	11pm - 7am	
BWR Expertise			
Sat-Sun	3/26-3/27	11pm - 7am	Eva Brown
Sun	27-Mar	7am - 3pm	Mike Brown
Sun	27-Mar	3pm-11pm	Chuck Norton
Sun-Mon	3/27-3/28	11pm - 7am	Eva Brown
Mon	28-Mar	7am - 3pm	Mike Brown
Mon	28-Mar	3pm-11pm	Chuck Norton
Mon-Tue	3/28-3/29	11pm - 7am	Jim Shea
Tue	29-Mar	7am - 3pm	Mike Brown
Tue	29-Mar	3pm-11pm	Chuck Norton
Tue-Wed	3/29-3/30	11pm - 7am	Jim Shea
Wed	30-Mar	7am - 3pm	Mike Brown
Wed	30-Mar	3pm-11pm	Chuck Norton
Wed-Thur	3/30-3/31	11pm - 7am	Jim Shea
Thur	31-Mar	7am - 3pm	Mike Brown
Thur	31-Mar	3pm-11pm	Chuck Norton
Thur-Fri	3/31-4/1	11pm - 7am	Jim Shea
Fri	1-Apr	7am - 3pm	Mike Brown
Fri	1-Apr	3pm-11pm	Chuck Norton
Fri-Sat	4/1-4/2	11pm-7am	Eva Brown
Sat	2-Apr	7am - 3pm	Mike Brown
Sat	2-Apr	3pm-11pm	Chuck Norton
Sat-Sun	4/2-4/3	11pm - 7am	Eva Brown
RST Comm/ERDS Operator			
Sat-Sun	3/26-3/27	11pm - 7am	Denise McGovern
Sun	27-Mar	7am - 3pm	Mark Padovan
Sun	27-Mar	3pm-11pm	Bill Roggenbrodt
Sun-Mon	3/27-3/28	11pm - 7am	Denise McGovern
Mon	28-Mar	7am - 3pm	Mark Padovan
Mon	28-Mar	3pm-11pm	Rick Jervey
Mon-Tue	3/28-3/29	11pm - 7am	Brian Horn
Tue	29-Mar	7am - 3pm	John Thorp
Tue	29-Mar	3pm-11pm	Andy Kugler
Tue-Wed	3/29-3/30	11pm - 7am	Brian Horn
Wed	30-Mar	7am - 3pm	Steve Bloom

Wed	30-Mar	3pm-11pm	Bill Roggenbrodt
Wed-Thur	3/30-3/31	11pm - 7am	
Thur	31-Mar	7am - 3pm	Jerry Dozier
Thur	31-Mar	3pm-11pm	John Thorp
Thur-Fri	3/31-4/1	11pm - 7am	
Fri	1-Apr	7am - 3pm	Andy Kugler
Fri	1-Apr	3pm-11pm	
Fri-Sat	4/1-4/2	11pm-7am	Liliana Ramadan
Sat	2-Apr	7am - 3pm	John Thorp
Sat	2-Apr	3pm-11pm	Mark Padovan
Sat-Sun	4/2-4/3	11pm - 7am	
RST Support (Seismology Q&A)			
Sat-Sun	3/26-3/27	11pm - 7am	(ON CALL)
Sun	27-Mar	7am - 3pm	(ON CALL)
Sun	27-Mar	3pm-11pm	(ON CALL)
Sun-Mon	3/27-3/28	11pm - 7am	(ON CALL)
Mon	28-Mar	7am - 3pm	(ON CALL)
Mon	28-Mar	3pm-11pm	(ON CALL)
Mon-Tue	3/28-3/29	11pm - 7am	(ON CALL)
Tue	29-Mar	7am - 3pm	(ON CALL)
Tue	29-Mar	3pm-11pm	(ON CALL)
Tue-Wed	3/29-3/30	11pm - 7am	(ON CALL)
Wed	30-Mar	7am - 3pm	(ON CALL)
Wed	30-Mar	3pm-11pm	(ON CALL)
Wed-Thur	3/30-3/31	11pm - 7am	(ON CALL)
Thur	31-Mar	7am - 3pm	(ON CALL)
Thur	31-Mar	3pm-11pm	(ON CALL)
Thur-Fri	3/31-4/1	11pm - 7am	(ON CALL)
Fri	1-Apr	7am - 3pm	(ON CALL)
Fri	1-Apr	3pm-11pm	(ON CALL)
Fri-Sat	4/1-4/2	11pm-7am	(ON CALL)
Sat	2-Apr	7am - 3pm	(ON CALL)
Sat	2-Apr	3pm-11pm	(ON CALL)
Sat-Sun	4/2-4/3	11pm - 7am	(ON CALL)
RST Support (Structural)			
Sat-Sun	3/26-3/27	11pm - 7am	Off (ON CALL)
Sun	27-Mar	7am - 3pm	Off (ON CALL)
Sun	27-Mar	3pm-11pm	Off (ON CALL)
Sun-Mon	3/27-3/28	11pm - 7am	Off (ON CALL)
Mon	28-Mar	7am - 3pm	Off (ON CALL)
Mon	28-Mar	3pm-11pm	Off (ON CALL)
Mon-Tues	3/28-3/29	11pm - 7am	Off (ON CALL)
Tues	29-Mar	7am - 3pm	Off (ON CALL)
Tues	29-Mar	3pm-11pm	Off (ON CALL)
Tues-Wed	3/29-3/30	11pm - 7am	Off (ON CALL)
Wed	30-Mar	7am - 3pm	Off (ON CALL)
Wed	30-Mar	3pm-11pm	Off (ON CALL)

Wed-Thur	3/30-3/31	11pm - 7am	Off (ON CALL)
Thur	31-Mar	7am - 3pm	Off (ON CALL)
Thur	31-Mar	3pm-11pm	Off (ON CALL)
Thur-Fri	3/31-4/1	11pm - 7am	Off (ON CALL)
Fri	1-Apr	7am - 3pm	Off (ON CALL)
Fri	1-Apr	3pm-11pm	Off (ON CALL)
Fri-Sat	4/1-4/2	11pm-7am	Off (ON CALL)

Prefectural level Radiation Monitoring

(μGy/h)

Coc	Date	Period of Readin	Prefecture	Prefecture (City)	Radiatio	Max	Min	Avg
1	3/14	09:00 ~ 17:00	北海道	Hokkaido (Sapporo)		0.034	0.028	0.03
2	3/14	09:00 ~ 17:00	青森県	Aomori (Aomori)		0.022	0.02	0.021
3	3/14	09:00 ~ 17:00	岩手県	Iwate (Morioka)		0.052	0.051	0.052
4	3/14	09:00 ~ 17:00	宮城県	Miyagi (Sendai)				
5	3/14	09:00 ~ 17:00	秋田県	Akita (Akita)		0.036	0.034	0.035
6	3/14	09:00 ~ 17:00	山形県	Yamagata (Yamagata)		0.036	0.035	0.036
7	3/14	09:00 ~ 17:00	福島県	Fukushima (Futaba-gun)				
8	3/14	09:00 ~ 17:00	茨城県	Ibaraki (Mito)				
9	3/14	09:00 ~ 17:00	栃木県	Tochigi (Itsunomiya)		0.039	0.038	0.038
10	3/14	09:00 ~ 17:00	群馬県	Gunma (Maebashi)		0.019	0.018	0.019
11	3/14	09:00 ~ 17:00	埼玉県	Saitama (Saitama)		0.034	0.032	0.033
12	3/14	09:00 ~ 17:00	千葉県	Chiba (Ichihara)		0.023	0.023	0.023
13	3/14	09:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku)		0.037	0.031	0.034
14	3/14	09:00 ~ 17:00	神奈川県	Kanagawa (Chigasaki)		0.037	0.036	0.036
15	3/14	09:00 ~ 17:00	新潟県	Niigata (Niigata)		0.047	0.047	0.047
16	3/14	09:00 ~ 17:00	富山県	Toyama (Imizu)		0.048	0.047	0.048
17	3/14	09:00 ~ 17:00	石川県	Ishikawa (Kanazawa)		0.05	0.044	0.046
18	3/14	09:00 ~ 17:00	福井県	Fukui (Fukui)		0.046	0.044	0.045
19	3/14	09:00 ~ 17:00	山梨県	Yamanashi (Kofu)		0.044	0.042	0.043
20	3/14	09:00 ~ 17:00	長野県	Nagano (Nagano)		0.039	0.037	0.038
21	3/14	09:00 ~ 17:00	岐阜県	Gifu (Kakamigahara)		0.063	0.06	0.061
22	3/14	09:00 ~ 17:00	静岡県	Shizuoka (Shizuoka)		0.038	0.036	0.037
23	3/14	09:00 ~ 17:00	愛知県	Aichi (Nagoya)		0.042	0.039	0.041
24	3/14	09:00 ~ 17:00	三重県	Mie (Yokkaichi)		0.047	0.046	0.047
25	3/14	09:00 ~ 17:00	滋賀県	Shiga (Ohtsu)		0.034	0.033	0.034
26	3/14	09:00 ~ 17:00	京都府	Kyoto (Kyoto)		0.04	0.037	0.038
27	3/14	09:00 ~ 17:00	大阪府	Osaka (Osaka)		0.043	0.042	0.042
28	3/14	09:00 ~ 17:00	兵庫県	Hyogo (Kobe)		0.038	0.036	0.037
29	3/14	09:00 ~ 17:00	奈良県	Nara (Nara)		0.049	0.046	0.048
30	3/14	09:00 ~ 17:00	和歌山県	Wakayama (Wakaya)		0.032	0.031	0.031
31	3/14	09:00 ~ 17:00	鳥取県	Tottori (Touhaku-gun)		0.063	0.063	0.063
32	3/14	09:00 ~ 17:00	島根県	Shimane (Matsue)		0.037	0.036	0.036
33	3/14	09:00 ~ 17:00	岡山県	Okayama (Okayama)		0.051	0.048	0.049
34	3/14	09:00 ~ 17:00	広島県	Hiroshima (Hiroshima)		0.05	0.047	0.049
35	3/14	09:00 ~ 17:00	山口県	Yamaguchi (Yamaguchi)		0.099	0.087	0.092
36	3/14	09:00 ~ 17:00	徳島県	Tokushima (Tokushima)		0.039	0.037	0.038
37	3/14	09:00 ~ 17:00	香川県	Kagawa (Takamatsu)		0.054	0.052	0.053
38	3/14	09:00 ~ 17:00	愛媛県	Ehime (Matsuyama)		0.049	0.046	0.048
39	3/14	09:00 ~ 17:00	高知県	Kochi (Kochi)		0.028	0.021	0.024
40	3/14	09:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)		0.039	0.036	0.037
41	3/14	09:00 ~ 17:00	佐賀県	Saga (Saga)		0.045	0.039	0.041
42	3/14	09:00 ~ 17:00	長崎県	Nagasaki (Ohmura)		0.032	0.029	0.031
43	3/14	09:00 ~ 17:00	熊本県	Kumamoto (Uto)		0.03	0.027	0.028
44	3/14	09:00 ~ 17:00	大分県	Oita (Oita)		0.05	0.05	0.05
45	3/14	09:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)		0.029	0.026	0.027
46	3/14	09:00 ~ 17:00	鹿児島県	Kagoshima (Kagoshima)		0.035	0.034	0.034
47	3/14	09:00 ~ 17:00	沖縄県	Okinawa (Uruma)		0.024	0.018	0.021
1	3/14	17:00 ~ 09:00	北海道	Hokkaido (Sapporo)		0.039	0.028	0.03
2	3/14	17:00 ~ 09:00	青森県	Aomori (Aomori)		0.022	0.021	0.021
3	3/14	17:00 ~ 09:00	岩手県	Iwate (Morioka)		0.052	0.049	0.051
4	3/14	17:00 ~ 09:00	宮城県	Miyagi (Sendai)				
5	3/14	17:00 ~ 09:00	秋田県	Akita (Akita)		0.036	0.035	0.035
6	3/14	17:00 ~ 09:00	山形県	Yamagata (Yamagata)		0.037	0.036	0.036
7	3/14	17:00 ~ 09:00	福島県	Fukushima (Futaba-gun)				

TTTT/197

8	3/14 17:00 ~ 09:00	茨城県	Ibaraki (Mito)			
9	3/14 17:00 ~ 09:00	栃木県	Tochigi (Itsunomiya)	0.864	0.038	0.093
10	3/14 17:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.019	0.018	0.019
11	3/14 17:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.129	0.032	0.052
12	3/14 17:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.074	0.023	0.049
13	3/14 17:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku)	0.147	0.03	0.045
14	3/14 17:00 ~ 09:00	神奈川県	Kanagawa (Chigasaki)	0.086	0.036	0.044
15	3/14 17:00 ~ 09:00	新潟県	Niigata (Niigata)	0.048	0.047	0.048
16	3/14 17:00 ~ 09:00	富山県	Toyama (Imizu)	0.049	0.048	0.049
17	3/14 17:00 ~ 09:00	石川県	Ishikawa (Kanazawa)	0.051	0.044	0.048
18	3/14 17:00 ~ 09:00	福井県	Fukui (Fukui)	0.047	0.045	0.046
19	3/14 17:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.045	0.042	0.043
20	3/14 17:00 ~ 09:00	長野県	Nagano (Nagano)	0.038	0.036	0.037
21	3/14 17:00 ~ 09:00	岐阜県	Gifu (Kakamigahara)	0.062	0.06	0.061
22	3/14 17:00 ~ 09:00	静岡県	Shizuoka (Shizuoka)	0.036	0.032	0.034
23	3/14 17:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.041	0.039	0.04
24	3/14 17:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.047	0.046	0.046
25	3/14 17:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.036	0.033	0.034
26	3/14 17:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038	0.038	0.038
27	3/14 17:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043	0.042	0.042
28	3/14 17:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.038	0.037	0.037
29	3/14 17:00 ~ 09:00	奈良県	Nara (Nara)	0.049	0.047	0.048
30	3/14 17:00 ~ 09:00	和歌山県	Wakayama (Wakaya)	0.033	0.031	0.032
31	3/14 17:00 ~ 09:00	鳥取県	Tottori (Touhaku-gun)	0.066	0.063	0.064
32	3/14 17:00 ~ 09:00	島根県	Shimane (Matsue)	0.039	0.037	0.038
33	3/14 17:00 ~ 09:00	岡山県	Okayama (Okayama)	0.05	0.048	0.049
34	3/14 17:00 ~ 09:00	広島県	Hiroshima (Hiroshima)	0.05	0.047	0.049
35	3/14 17:00 ~ 09:00	山口県	Yamaguchi (Yamaguchi)	0.1	0.087	0.093
36	3/14 17:00 ~ 09:00	徳島県	Tokushima (Tokushima)	0.039	0.037	0.038
37	3/14 17:00 ~ 09:00	香川県	Kagawa (Takamatsu)	0.053	0.052	0.052
38	3/14 17:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.048	0.047	0.048
39	3/14 17:00 ~ 09:00	高知県	Kochi (Kochi)	0.029	0.022	0.025
40	3/14 17:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.043	0.036	0.038
41	3/14 17:00 ~ 09:00	佐賀県	Saga (Saga)	0.043	0.04	0.041
42	3/14 17:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.032	0.029	0.03
43	3/14 17:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.029	0.027	0.027
44	3/14 17:00 ~ 09:00	大分県	Oita (Oita)	0.053	0.05	0.051
45	3/14 17:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.033	0.026	0.028
46	3/14 17:00 ~ 09:00	鹿児島県	Kagoshima (Kagoshima)	0.037	0.035	0.036
47	3/14 17:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.026	0.017	0.022
1	3/14 17:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.034	0.027	0.03
2	3/14 17:00 ~ 09:00	青森県	Aomori (Aomori)	0.021	0.021	0.021
3	3/14 17:00 ~ 09:00	岩手県	Iwate (Morioka)	0.049	0.046	0.047
4	3/14 17:00 ~ 09:00	宮城県	Miyagi (Sendai)			
5	3/14 17:00 ~ 09:00	秋田県	Akita (Akita)	0.035	0.034	0.035
6	3/14 17:00 ~ 09:00	山形県	Yamagata (Yamagata)	0.04	0.036	0.038
7	3/14 17:00 ~ 09:00	福島県	Fukushima (Futaba-gun)			
8	3/14 17:00 ~ 09:00	茨城県	Ibaraki (Mito)			
9	3/14 17:00 ~ 09:00	栃木県	Tochigi (Itsunomiya)	1.318	0.359	0.701
10	3/14 17:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.562	0.019	0.191
11	3/14 17:00 ~ 09:00	埼玉県	Saitama (Saitama)	1.222	0.096	0.328
12	3/14 17:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.313	0.03	0.172
13	3/14 17:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku)	0.809	0.062	0.144
14	3/14 17:00 ~ 09:00	神奈川県	Kanagawa (Chigasaki)	0.182	0.054	0.109
15	3/14 17:00 ~ 09:00	新潟県	Niigata (Niigata)	0.05	0.047	0.049
16	3/14 17:00 ~ 09:00	富山県	Toyama (Imizu)	0.055	0.049	0.05
17	3/14 17:00 ~ 09:00	石川県	Ishikawa (Kanazawa)	0.056	0.043	0.048

18	3/14 17:00 ~ 09:00	福井県	Fukui (Fukui)	0.046	0.046	0.046
19	3/14 17:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.069	0.043	0.052
20	3/14 17:00 ~ 09:00	長野県	Nagano (Nagano)	0.038	0.037	0.037
21	3/14 17:00 ~ 09:00	岐阜県	Gifu (Kakamigahara)	0.061	0.06	0.061
22	3/14 17:00 ~ 09:00	静岡県	Shizuoka (Shizuoka)	0.089	0.043	0.062
23	3/14 17:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.04	0.039	0.04
24	3/14 17:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.047	0.046	0.046
25	3/14 17:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.033	0.033	0.033
26	3/14 17:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038	0.038	0.038
27	3/14 17:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043	0.042	0.043
28	3/14 17:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.037	0.037	0.037
29	3/14 17:00 ~ 09:00	奈良県	Nara (Nara)	0.048	0.047	0.047
30	3/14 17:00 ~ 09:00	和歌山県	Wakayama (Wakaya)	0.032	0.031	0.032
31	3/14 17:00 ~ 09:00	鳥取県	Tottori (Touhaku-gun)	0.08	0.064	0.067
32	3/14 17:00 ~ 09:00	島根県	Shimane (Matsue)	0.045	0.037	0.04
33	3/14 17:00 ~ 09:00	岡山県	Okayama (Okayama)	0.049	0.049	0.049
34	3/14 17:00 ~ 09:00	広島県	Hiroshima (Hiroshima)	0.05	0.046	0.048
35	3/14 17:00 ~ 09:00	山口県	Yamaguchi (Yamaguchi)	0.094	0.091	0.092
36	3/14 17:00 ~ 09:00	徳島県	Tokushima (Tokushima)	0.038	0.038	0.038
37	3/14 17:00 ~ 09:00	香川県	Kagawa (Takamatsu)	0.053	0.052	0.052
38	3/14 17:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.047	0.047	0.047
39	3/14 17:00 ~ 09:00	高知県	Kochi (Kochi)	0.027	0.022	0.025
40	3/14 17:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.037	0.036	0.036
41	3/14 17:00 ~ 09:00	佐賀県	Saga (Saga)	0.04	0.04	0.04
42	3/14 17:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.03	0.029	0.029
43	3/14 17:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.027	0.027	0.027
44	3/14 17:00 ~ 09:00	大分県	Oita (Oita)	0.051	0.049	0.05
45	3/14 17:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027	0.026	0.026
46	3/14 17:00 ~ 09:00	鹿児島県	Kagoshima (Kagoshima)	0.035	0.034	0.034
47	3/14 17:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.024	0.018	0.021
1	3/15 09:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.034	0.027	0.03
2	3/15 09:00 ~ 17:00	青森県	Aomori (Aomori)	0.021	0.021	0.021
3	3/15 09:00 ~ 17:00	岩手県	Iwate (Morioka)	0.049	0.046	0.047
4	3/15 09:00 ~ 17:00	宮城県	Miyagi (Sendai)			
5	3/15 09:00 ~ 17:00	秋田県	Akita (Akita)	0.035	0.034	0.035
6	3/15 09:00 ~ 17:00	山形県	Yamagata (Yamagata)	0.04	0.036	0.038
7	3/15 09:00 ~ 17:00	福島県	Fukushima (Futaba-gun)			
8	3/15 09:00 ~ 17:00	茨城県	Ibaraki (Mito)			
9	3/15 09:00 ~ 17:00	栃木県	Tochigi (Itsunomiya)	1.318	0.359	0.701
10	3/15 09:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.562	0.019	0.191
11	3/15 09:00 ~ 17:00	埼玉県	Saitama (Saitama)	1.222	0.096	0.328
12	3/15 09:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.313	0.03	0.172
13	3/15 09:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku)	0.809	0.062	0.144
14	3/15 09:00 ~ 17:00	神奈川県	Kanagawa (Chigasaki)	0.182	0.054	0.109
15	3/15 09:00 ~ 17:00	新潟県	Niigata (Niigata)	0.05	0.047	0.049
16	3/15 09:00 ~ 17:00	富山県	Toyama (Imizu)	0.055	0.049	0.05
17	3/15 09:00 ~ 17:00	石川県	Ishikawa (Kanazawa)	0.056	0.043	0.048
18	3/15 09:00 ~ 17:00	福井県	Fukui (Fukui)	0.046	0.046	0.046
19	3/15 09:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.069	0.043	0.052
20	3/15 09:00 ~ 17:00	長野県	Nagano (Nagano)	0.038	0.037	0.037
21	3/15 09:00 ~ 17:00	岐阜県	Gifu (Kakamigahara)	0.061	0.06	0.061
22	3/15 09:00 ~ 17:00	静岡県	Shizuoka (Shizuoka)	0.089	0.043	0.062
23	3/15 09:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.04	0.039	0.04
24	3/15 09:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.047	0.046	0.046
25	3/15 09:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033	0.033	0.033
26	3/15 09:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.038	0.038	0.038
27	3/15 09:00 ~ 17:00	大阪府	Osaka (Osaka)	0.043	0.042	0.043

8	3/14 17:00 ~ 09:00	茨城県	Ibaraki (Mito)			
9	3/14 17:00 ~ 09:00	栃木県	Tochigi (Itsunomiya)	0.864	0.038	0.093
10	3/14 17:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.019	0.018	0.019
11	3/14 17:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.129	0.032	0.052
12	3/14 17:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.074	0.023	0.049
13	3/14 17:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku)	0.147	0.03	0.045
14	3/14 17:00 ~ 09:00	神奈川県	Kanagawa (Chigasaki)	0.086	0.036	0.044
15	3/14 17:00 ~ 09:00	新潟県	Niigata (Niigata)	0.048	0.047	0.048
16	3/14 17:00 ~ 09:00	富山県	Toyama (Imizu)	0.049	0.048	0.049
17	3/14 17:00 ~ 09:00	石川県	Ishikawa (Kanazawa)	0.051	0.044	0.048
18	3/14 17:00 ~ 09:00	福井県	Fukui (Fukui)	0.047	0.045	0.046
19	3/14 17:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.045	0.042	0.043
20	3/14 17:00 ~ 09:00	長野県	Nagano (Nagano)	0.038	0.036	0.037
21	3/14 17:00 ~ 09:00	岐阜県	Gifu (Kakamigahara)	0.062	0.06	0.061
22	3/14 17:00 ~ 09:00	静岡県	Shizuoka (Shizuoka)	0.036	0.032	0.034
23	3/14 17:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.041	0.039	0.04
24	3/14 17:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.047	0.046	0.046
25	3/14 17:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.036	0.033	0.034
26	3/14 17:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038	0.038	0.038
27	3/14 17:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043	0.042	0.042
28	3/14 17:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.038	0.037	0.037
29	3/14 17:00 ~ 09:00	奈良県	Nara (Nara)	0.049	0.047	0.048
30	3/14 17:00 ~ 09:00	和歌山県	Wakayama (Wakaya)	0.033	0.031	0.032
31	3/14 17:00 ~ 09:00	鳥取県	Tottori (Touhaku-gun)	0.066	0.063	0.064
32	3/14 17:00 ~ 09:00	島根県	Shimane (Matsue)	0.039	0.037	0.038
33	3/14 17:00 ~ 09:00	岡山県	Okayama (Okayama)	0.05	0.048	0.049
34	3/14 17:00 ~ 09:00	広島県	Hiroshima (Hiroshima)	0.05	0.047	0.049
35	3/14 17:00 ~ 09:00	山口県	Yamaguchi (Yamaguchi)	0.1	0.087	0.093
36	3/14 17:00 ~ 09:00	徳島県	Tokushima (Tokushima)	0.039	0.037	0.038
37	3/14 17:00 ~ 09:00	香川県	Kagawa (Takamatsu)	0.053	0.052	0.052
38	3/14 17:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.048	0.047	0.048
39	3/14 17:00 ~ 09:00	高知県	Kochi (Kochi)	0.029	0.022	0.025
40	3/14 17:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.043	0.036	0.038
41	3/14 17:00 ~ 09:00	佐賀県	Saga (Saga)	0.043	0.04	0.041
42	3/14 17:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.032	0.029	0.03
43	3/14 17:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.029	0.027	0.027
44	3/14 17:00 ~ 09:00	大分県	Oita (Oita)	0.053	0.05	0.051
45	3/14 17:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.033	0.026	0.028
46	3/14 17:00 ~ 09:00	鹿児島県	Kagoshima (Kagoshima)	0.037	0.035	0.036
47	3/14 17:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.026	0.017	0.022
1	3/14 17:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.034	0.027	0.03
2	3/14 17:00 ~ 09:00	青森県	Aomori (Aomori)	0.021	0.021	0.021
3	3/14 17:00 ~ 09:00	岩手県	Iwate (Morioka)	0.049	0.046	0.047
4	3/14 17:00 ~ 09:00	宮城県	Miyagi (Sendai)			
5	3/14 17:00 ~ 09:00	秋田県	Akita (Akita)	0.035	0.034	0.035
6	3/14 17:00 ~ 09:00	山形県	Yamagata (Yamagata)	0.04	0.036	0.038
7	3/14 17:00 ~ 09:00	福島県	Fukushima (Futaba-gun)			
8	3/14 17:00 ~ 09:00	茨城県	Ibaraki (Mito)			
9	3/14 17:00 ~ 09:00	栃木県	Tochigi (Itsunomiya)	1.318	0.359	0.701
10	3/14 17:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.562	0.019	0.191
11	3/14 17:00 ~ 09:00	埼玉県	Saitama (Saitama)	1.222	0.096	0.328
12	3/14 17:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.313	0.03	0.172
13	3/14 17:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku)	0.809	0.062	0.144
14	3/14 17:00 ~ 09:00	神奈川県	Kanagawa (Chigasaki)	0.182	0.054	0.109
15	3/14 17:00 ~ 09:00	新潟県	Niigata (Niigata)	0.05	0.047	0.049
16	3/14 17:00 ~ 09:00	富山県	Toyama (Imizu)	0.055	0.049	0.05
17	3/14 17:00 ~ 09:00	石川県	Ishikawa (Kanazawa)	0.056	0.043	0.048

18	3/14 17:00 ~ 09:00	福井県	Fukui (Fukui)	0.046	0.046	0.046
19	3/14 17:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.069	0.043	0.052
20	3/14 17:00 ~ 09:00	長野県	Nagano (Nagano)	0.038	0.037	0.037
21	3/14 17:00 ~ 09:00	岐阜県	Gifu (Kakamigahara)	0.061	0.06	0.061
22	3/14 17:00 ~ 09:00	静岡県	Shizuoka (Shizuoka)	0.089	0.043	0.062
23	3/14 17:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.04	0.039	0.04
24	3/14 17:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.047	0.046	0.046
25	3/14 17:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.033	0.033	0.033
26	3/14 17:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038	0.038	0.038
27	3/14 17:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043	0.042	0.043
28	3/14 17:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.037	0.037	0.037
29	3/14 17:00 ~ 09:00	奈良県	Nara (Nara)	0.048	0.047	0.047
30	3/14 17:00 ~ 09:00	和歌山県	Wakayama (Wakaya)	0.032	0.031	0.032
31	3/14 17:00 ~ 09:00	鳥取県	Tottori (Touhaku-gun)	0.08	0.064	0.067
32	3/14 17:00 ~ 09:00	島根県	Shimane (Matsue)	0.045	0.037	0.04
33	3/14 17:00 ~ 09:00	岡山県	Okayama (Okayama)	0.049	0.049	0.049
34	3/14 17:00 ~ 09:00	広島県	Hiroshima (Hiroshima)	0.05	0.046	0.048
35	3/14 17:00 ~ 09:00	山口県	Yamaguchi (Yamaguchi)	0.094	0.091	0.092
36	3/14 17:00 ~ 09:00	徳島県	Tokushima (Tokushima)	0.038	0.038	0.038
37	3/14 17:00 ~ 09:00	香川県	Kagawa (Takamatsu)	0.053	0.052	0.052
38	3/14 17:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.047	0.047	0.047
39	3/14 17:00 ~ 09:00	高知県	Kochi (Kochi)	0.027	0.022	0.025
40	3/14 17:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.037	0.036	0.036
41	3/14 17:00 ~ 09:00	佐賀県	Saga (Saga)	0.04	0.04	0.04
42	3/14 17:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.03	0.029	0.029
43	3/14 17:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.027	0.027	0.027
44	3/14 17:00 ~ 09:00	大分県	Oita (Oita)	0.051	0.049	0.05
45	3/14 17:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027	0.026	0.026
46	3/14 17:00 ~ 09:00	鹿児島県	Kagoshima (Kagoshima)	0.035	0.034	0.034
47	3/14 17:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.024	0.018	0.021
1	3/15 09:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.034	0.027	0.03
2	3/15 09:00 ~ 17:00	青森県	Aomori (Aomori)	0.021	0.021	0.021
3	3/15 09:00 ~ 17:00	岩手県	Iwate (Morioka)	0.049	0.046	0.047
4	3/15 09:00 ~ 17:00	宮城県	Miyagi (Sendai)			
5	3/15 09:00 ~ 17:00	秋田県	Akita (Akita)	0.035	0.034	0.035
6	3/15 09:00 ~ 17:00	山形県	Yamagata (Yamagata)	0.04	0.036	0.038
7	3/15 09:00 ~ 17:00	福島県	Fukushima (Futaba-gun)			
8	3/15 09:00 ~ 17:00	茨城県	Ibaraki (Mito)			
9	3/15 09:00 ~ 17:00	栃木県	Tochigi (Itsunomiya)	1.318	0.359	0.701
10	3/15 09:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.562	0.019	0.191
11	3/15 09:00 ~ 17:00	埼玉県	Saitama (Saitama)	1.222	0.096	0.328
12	3/15 09:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.313	0.03	0.172
13	3/15 09:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku)	0.809	0.062	0.144
14	3/15 09:00 ~ 17:00	神奈川県	Kanagawa (Chigasaki)	0.182	0.054	0.109
15	3/15 09:00 ~ 17:00	新潟県	Niigata (Niigata)	0.05	0.047	0.049
16	3/15 09:00 ~ 17:00	富山県	Toyama (Imizu)	0.055	0.049	0.05
17	3/15 09:00 ~ 17:00	石川県	Ishikawa (Kanazawa)	0.056	0.043	0.048
18	3/15 09:00 ~ 17:00	福井県	Fukui (Fukui)	0.046	0.046	0.046
19	3/15 09:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.069	0.043	0.052
20	3/15 09:00 ~ 17:00	長野県	Nagano (Nagano)	0.038	0.037	0.037
21	3/15 09:00 ~ 17:00	岐阜県	Gifu (Kakamigahara)	0.061	0.06	0.061
22	3/15 09:00 ~ 17:00	静岡県	Shizuoka (Shizuoka)	0.089	0.043	0.062
23	3/15 09:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.04	0.039	0.04
24	3/15 09:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.047	0.046	0.046
25	3/15 09:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033	0.033	0.033
26	3/15 09:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.038	0.038	0.038
27	3/15 09:00 ~ 17:00	大阪府	Osaka (Osaka)	0.043	0.042	0.043

28	3/15 09:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.037	0.037	0.037
29	3/15 09:00 ~ 17:00	奈良県	Nara (Nara)	0.048	0.047	0.047
30	3/15 09:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032	0.031	0.032
31	3/15 09:00 ~ 17:00	鳥取県	Tottori (Touhaku-gun)	0.08	0.064	0.067
32	3/15 09:00 ~ 17:00	島根県	Shimane (Matsue)	0.045	0.037	0.04
33	3/15 09:00 ~ 17:00	岡山県	Okayama (Okayama)	0.049	0.049	0.049
34	3/15 09:00 ~ 17:00	広島県	Hiroshima (Hiroshima)	0.05	0.046	0.048
35	3/15 09:00 ~ 17:00	山口県	Yamaguchi (Yamaguchi)	0.094	0.091	0.092
36	3/15 09:00 ~ 17:00	徳島県	Tokushima (Tokushima)	0.038	0.038	0.038
37	3/15 09:00 ~ 17:00	香川県	Kagawa (Takamatsu)	0.053	0.052	0.052
38	3/15 09:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047	0.047	0.047
39	3/15 09:00 ~ 17:00	高知県	Kochi (Kochi)	0.027	0.022	0.025
40	3/15 09:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.037	0.036	0.036
41	3/15 09:00 ~ 17:00	佐賀県	Saga (Saga)	0.04	0.04	0.04
42	3/15 09:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.03	0.029	0.029
43	3/15 09:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027	0.027	0.027
44	3/15 09:00 ~ 17:00	大分県	Oita (Oita)	0.051	0.049	0.05
45	3/15 09:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.027	0.026	0.026
46	3/15 09:00 ~ 17:00	鹿児島県	Kagoshima (Kagoshima)	0.035	0.034	0.034
47	3/15 09:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.024	0.018	0.021
1	3/15 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.028		
2	3/15 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.021		
3	3/15 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.045		
4	3/15 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	0.083		
5	3/15 17:00 ~ 18:00	秋田県	Akita (Akita)	0.0355		
6	3/15 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.04		
7	3/15 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)			
8	3/15 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.28		
9	3/15 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.388		
10	3/15 17:00 ~ 18:00	群馬県	Gunma (Maebashi)			
11	3/15 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	1.039		
12	3/15 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.253		
13	3/15 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.0941		
14	3/15 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.061		
15	3/15 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.05		
16	3/15 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.063		
17	3/15 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.0542		
18	3/15 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.052		
19	3/15 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.053		
20	3/15 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.04		
21	3/15 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.061		
22	3/15 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.0536		
23	3/15 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.04		
24	3/15 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.046		
25	3/15 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.033		
26	3/15 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.0378		
27	3/15 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.042		
28	3/15 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.037		
29	3/15 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047		
30	3/15 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.032		
31	3/15 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.074		
32	3/15 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.044		
33	3/15 17:00 ~ 18:00	岡山県	Okayama (Okayama	0.049		
34	3/15 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.047		
35	3/15 17:00 ~ 18:00	山口県	Yamaguchi (Yamagu	0.092		
36	3/15 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.038		
37	3/15 17:00 ~ 18:00	香川県	Kagawa (Takamatsu	0.052		

38	3/15 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.0473
39	3/15 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.0246
40	3/15 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04
42	3/15 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 17:00 ~ 18:00	大分県	Oita (Oita)	0.05
45	3/15 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/15 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.0345
47	3/15 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/15 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.022
3	3/15 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.042
4	3/15 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	0.1127
5	3/15 18:00 ~ 19:00	秋田県	Akita (Akita)	0.0364
6	3/15 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.043
7	3/15 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/15 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.253
9	3/15 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.375
10	3/15 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	
11	3/15 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.986
12	3/15 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.103
13	3/15 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.2
14	3/15 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.061
15	3/15 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.051
16	3/15 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.063
17	3/15 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.0593
18	3/15 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.053
19	3/15 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.051
20	3/15 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.0414
21	3/15 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.0525
23	3/15 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/15 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.0459
25	3/15 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/15 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.0379
27	3/15 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/15 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/15 18:00 ~ 19:00	奈良県	Nara (Nara)	0.048
30	3/15 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/15 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.043
33	3/15 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.052
34	3/15 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.092
36	3/15 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/15 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/15 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.0478
39	3/15 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.0245
40	3/15 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/15 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 18:00 ~ 19:00	大分県	Oita (Oita)	0.05
45	3/15 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/15 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.0346
47	3/15 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.0213

1	3/15 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.023
3	3/15 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.04
4	3/15 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	0.1799
5	3/15 18:00 ~ 19:00	秋田県	Akita (Akita)	0.0361
6	3/15 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.051
7	3/15 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/15 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.239
9	3/15 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.321
10	3/15 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.389
11	3/15 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.169
12	3/15 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.055
13	3/15 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.361
14	3/15 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.062
15	3/15 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.052
16	3/15 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.062
17	3/15 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.0662
18	3/15 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.053
19	3/15 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.0431
21	3/15 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.0513
23	3/15 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/15 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.0463
25	3/15 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/15 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.0379
27	3/15 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/15 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.038
29	3/15 18:00 ~ 19:00	奈良県	Nara (Nara)	0.048
30	3/15 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/15 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.039
33	3/15 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.055
34	3/15 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/15 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.092
36	3/15 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/15 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/15 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.0479
39	3/15 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.0246
40	3/15 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/15 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 18:00 ~ 19:00	大分県	Oita (Oita)	0.049
45	3/15 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.0266
46	3/15 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/15 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/15 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.023
3	3/15 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.04
4	3/15 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	0.1799
5	3/15 19:00 ~ 20:00	秋田県	Akita (Akita)	0.0361
6	3/15 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.051
7	3/15 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/15 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.239
9	3/15 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.321
10	3/15 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.389

11	3/15 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.169
12	3/15 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.055
13	3/15 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.361
14	3/15 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.062
15	3/15 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.052
16	3/15 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.062
17	3/15 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.0662
18	3/15 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.053
19	3/15 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.0431
21	3/15 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.0513
23	3/15 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/15 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.0463
25	3/15 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/15 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.0379
27	3/15 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.043
28	3/15 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.038
29	3/15 19:00 ~ 20:00	奈良県	Nara (Nara)	0.048
30	3/15 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/15 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.039
33	3/15 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.055
34	3/15 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/15 19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.092
36	3/15 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/15 19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.052
38	3/15 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.0479
39	3/15 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.0246
40	3/15 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/15 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 19:00 ~ 20:00	大分県	Oita (Oita)	0.049
45	3/15 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.0266
46	3/15 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/15 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/15 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.024
3	3/15 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.043
4	3/15 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	0.1989
5	3/15 20:00 ~ 21:00	秋田県	Akita (Akita)	0.0367
6	3/15 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.062
7	3/15 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/15 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.229
9	3/15 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.305
10	3/15 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.406
11	3/15 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.111
12	3/15 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.039
13	3/15 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.123
14	3/15 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.069
15	3/15 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.055
16	3/15 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.067
17	3/15 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.0674
18	3/15 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.056
19	3/15 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.0606

21	3/15 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/15 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.0498
23	3/15 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.0465
25	3/15 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/15 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.0391
27	3/15 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.043
28	3/15 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.04
29	3/15 20:00 ~ 21:00	奈良県	Nara (Nara)	0.048
30	3/15 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/15 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.038
33	3/15 20:00 ~ 21:00	岡山県	Okayama (Okayama	0.051
34	3/15 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 20:00 ~ 21:00	山口県	Yamaguchi (Yamagı	0.092
36	3/15 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.038
37	3/15 20:00 ~ 21:00	香川県	Kagawa (Takamatsı	0.054
38	3/15 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/15 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.0246
40	3/15 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.04
42	3/15 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 20:00 ~ 21:00	大分県	Oita (Oita)	0.049
45	3/15 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/15 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/15 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.0211
1	3/15 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.027
2	3/15 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.024
3	3/15 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.043
4	3/15 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	0.1836
5	3/15 21:00 ~ 22:00	秋田県	Akita (Akita)	0.0368
6	3/15 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.073
7	3/15 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/15 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.223
9	3/15 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.293
10	3/15 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.398
11	3/15 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.076
12	3/15 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.034
13	3/15 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.0888
14	3/15 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.074
15	3/15 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.055
16	3/15 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.065
17	3/15 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.0643
18	3/15 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.059
19	3/15 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.0939
21	3/15 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.0476
23	3/15 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.0477
25	3/15 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.046
26	3/15 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.0442
27	3/15 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.044
28	3/15 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.044
29	3/15 21:00 ~ 22:00	奈良県	Nara (Nara)	0.049
30	3/15 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.032

31	3/15 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/15 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.038
33	3/15 21:00 ~ 22:00	岡山県	Okayama (Okayam	0.049
34	3/15 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 21:00 ~ 22:00	山口県	Yamaguchi (Yamag	0.092
36	3/15 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/15 21:00 ~ 22:00	香川県	Kagawa (Takamats	0.059
38	3/15 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.0478
39	3/15 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.0248
40	3/15 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/15 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/15 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/15 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.0346
47	3/15 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.0208
1	3/15 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.025
3	3/15 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.04
4	3/15 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	0.1786
5	3/15 22:00 ~ 23:00	秋田県	Akita (Akita)	0.0373
6	3/15 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.099
7	3/15 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/15 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.218
9	3/15 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.272
10	3/15 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.358
11	3/15 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.068
12	3/15 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.034
13	3/15 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.0657
14	3/15 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.07
15	3/15 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.058
16	3/15 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.062
17	3/15 22:00 ~ 23:00	石川県	Ishikawa (Kanazaw	0.0679
18	3/15 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.059
19	3/15 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.049
20	3/15 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.107
21	3/15 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.0469
23	3/15 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.0491
25	3/15 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.047
26	3/15 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.0472
27	3/15 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.047
28	3/15 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.042
29	3/15 22:00 ~ 23:00	奈良県	Nara (Nara)	0.053
30	3/15 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/15 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.038
33	3/15 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.049
34	3/15 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 22:00 ~ 23:00	山口県	Yamaguchi (Yamag	0.093
36	3/15 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/15 22:00 ~ 23:00	香川県	Kagawa (Takamats	0.055
38	3/15 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/15 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.0249
40	3/15 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.036

41	3/15 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/15 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/15 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.0262
46	3/15 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.0347
47	3/15 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.0214
1	3/15 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.025
3	3/15 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.04
4	3/15 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	0.1786
5	3/15 23:00 ~ 24:00	秋田県	Akita (Akita)	0.0373
6	3/15 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.099
7	3/15 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/15 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.214
9	3/15 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.286
10	3/15 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.48
11	3/15 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.069
12	3/15 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.033
13	3/15 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.0556
14	3/15 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.062
15	3/15 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.056
16	3/15 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.059
17	3/15 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.0645
18	3/15 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.06
19	3/15 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.102
21	3/15 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/15 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.0454
23	3/15 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.0498
25	3/15 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.047
26	3/15 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.0443
27	3/15 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.045
28	3/15 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.039
29	3/15 23:00 ~ 24:00	奈良県	Nara (Nara)	0.053
30	3/15 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/15 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.037
33	3/15 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.049
34	3/15 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.048
35	3/15 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.093
36	3/15 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.038
37	3/15 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.054
38	3/15 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.0484
39	3/15 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.0248
40	3/15 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/15 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/15 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/15 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/15 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/15 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.0212
1	3/16 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.026
3	3/16 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.041

42	3/19 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/19 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.021
3	3/20 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.026
4	3/20 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/20 00:00 ~ 01:00	秋田県	Akita (Akita)	0.035
6	3/20 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.04
7	3/20 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/20 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.166
9	3/20 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/20 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.055
12	3/20 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.046
16	3/20 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.048
17	3/20 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.047
18	3/20 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.046
19	3/20 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.067
21	3/20 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/20 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.038
27	3/20 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.043
28	3/20 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/20 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.037
33	3/20 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.05
34	3/20 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.049
35	3/20 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.095
36	3/20 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/20 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.026
40	3/20 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/20 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.04
42	3/20 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/20 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/20 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.021
3	3/20 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.027
4	3/20 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	

28	3/15 09:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.037	0.037	0.037
29	3/15 09:00 ~ 17:00	奈良県	Nara (Nara)	0.048	0.047	0.047
30	3/15 09:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032	0.031	0.032
31	3/15 09:00 ~ 17:00	鳥取県	Tottori (Touhaku-gun)	0.08	0.064	0.067
32	3/15 09:00 ~ 17:00	島根県	Shimane (Matsue)	0.045	0.037	0.04
33	3/15 09:00 ~ 17:00	岡山県	Okayama (Okayama)	0.049	0.049	0.049
34	3/15 09:00 ~ 17:00	広島県	Hiroshima (Hiroshima)	0.05	0.046	0.048
35	3/15 09:00 ~ 17:00	山口県	Yamaguchi (Yamaguchi)	0.094	0.091	0.092
36	3/15 09:00 ~ 17:00	徳島県	Tokushima (Tokushima)	0.038	0.038	0.038
37	3/15 09:00 ~ 17:00	香川県	Kagawa (Takamatsu)	0.053	0.052	0.052
38	3/15 09:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047	0.047	0.047
39	3/15 09:00 ~ 17:00	高知県	Kochi (Kochi)	0.027	0.022	0.025
40	3/15 09:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.037	0.036	0.036
41	3/15 09:00 ~ 17:00	佐賀県	Saga (Saga)	0.04	0.04	0.04
42	3/15 09:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.03	0.029	0.029
43	3/15 09:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027	0.027	0.027
44	3/15 09:00 ~ 17:00	大分県	Oita (Oita)	0.051	0.049	0.05
45	3/15 09:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.027	0.026	0.026
46	3/15 09:00 ~ 17:00	鹿児島県	Kagoshima (Kagoshima)	0.035	0.034	0.034
47	3/15 09:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.024	0.018	0.021
1	3/15 17:00 ~ 18:00	北海道	Hokkaido (Sapporo,	0.028		
2	3/15 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.021		
3	3/15 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.045		
4	3/15 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	0.083		
5	3/15 17:00 ~ 18:00	秋田県	Akita (Akita)	0.0355		
6	3/15 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.04		
7	3/15 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)			
8	3/15 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.28		
9	3/15 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.388		
10	3/15 17:00 ~ 18:00	群馬県	Gunma (Maebashi)			
11	3/15 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	1.039		
12	3/15 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.253		
13	3/15 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.0941		
14	3/15 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.061		
15	3/15 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.05		
16	3/15 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.063		
17	3/15 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.0542		
18	3/15 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.052		
19	3/15 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.053		
20	3/15 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.04		
21	3/15 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.061		
22	3/15 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.0536		
23	3/15 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.04		
24	3/15 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.046		
25	3/15 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.033		
26	3/15 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.0378		
27	3/15 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.042		
28	3/15 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.037		
29	3/15 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047		
30	3/15 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.032		
31	3/15 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.074		
32	3/15 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.044		
33	3/15 17:00 ~ 18:00	岡山県	Okayama (Okayama	0.049		
34	3/15 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.047		
35	3/15 17:00 ~ 18:00	山口県	Yamaguchi (Yamagu	0.092		
36	3/15 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.038		
37	3/15 17:00 ~ 18:00	香川県	Kagawa (Takamatsu	0.052		

38	3/15 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.0473
39	3/15 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.0246
40	3/15 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04
42	3/15 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 17:00 ~ 18:00	大分県	Oita (Oita)	0.05
45	3/15 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/15 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.0345
47	3/15 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/15 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.022
3	3/15 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.042
4	3/15 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	0.1127
5	3/15 18:00 ~ 19:00	秋田県	Akita (Akita)	0.0364
6	3/15 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.043
7	3/15 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/15 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.253
9	3/15 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.375
10	3/15 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	
11	3/15 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.986
12	3/15 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.103
13	3/15 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.2
14	3/15 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.061
15	3/15 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.051
16	3/15 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.063
17	3/15 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.0593
18	3/15 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.053
19	3/15 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.051
20	3/15 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.0414
21	3/15 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.0525
23	3/15 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/15 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.0459
25	3/15 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/15 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.0379
27	3/15 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/15 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/15 18:00 ~ 19:00	奈良県	Nara (Nara)	0.048
30	3/15 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/15 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.043
33	3/15 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.052
34	3/15 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.092
36	3/15 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/15 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/15 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.0478
39	3/15 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.0245
40	3/15 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/15 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 18:00 ~ 19:00	大分県	Oita (Oita)	0.05
45	3/15 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/15 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.0346
47	3/15 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.0213

1	3/15 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.023
3	3/15 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.04
4	3/15 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	0.1799
5	3/15 18:00 ~ 19:00	秋田県	Akita (Akita)	0.0361
6	3/15 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.051
7	3/15 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/15 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.239
9	3/15 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.321
10	3/15 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.389
11	3/15 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.169
12	3/15 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.055
13	3/15 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.361
14	3/15 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.062
15	3/15 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.052
16	3/15 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.062
17	3/15 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.0662
18	3/15 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.053
19	3/15 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.0431
21	3/15 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.0513
23	3/15 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/15 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.0463
25	3/15 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/15 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.0379
27	3/15 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/15 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.038
29	3/15 18:00 ~ 19:00	奈良県	Nara (Nara)	0.048
30	3/15 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/15 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.039
33	3/15 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.055
34	3/15 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/15 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.092
36	3/15 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/15 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/15 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.0479
39	3/15 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.0246
40	3/15 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/15 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 18:00 ~ 19:00	大分県	Oita (Oita)	0.049
45	3/15 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.0266
46	3/15 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/15 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/15 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.023
3	3/15 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.04
4	3/15 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	0.1799
5	3/15 19:00 ~ 20:00	秋田県	Akita (Akita)	0.0361
6	3/15 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.051
7	3/15 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/15 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.239
9	3/15 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.321
10	3/15 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.389

11	3/15 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.169
12	3/15 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.055
13	3/15 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.361
14	3/15 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.062
15	3/15 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.052
16	3/15 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.062
17	3/15 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.0662
18	3/15 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.053
19	3/15 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.0431
21	3/15 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.0513
23	3/15 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/15 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.0463
25	3/15 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/15 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.0379
27	3/15 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.043
28	3/15 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.038
29	3/15 19:00 ~ 20:00	奈良県	Nara (Nara)	0.048
30	3/15 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/15 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.039
33	3/15 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.055
34	3/15 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/15 19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.092
36	3/15 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/15 19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.052
38	3/15 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.0479
39	3/15 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.0246
40	3/15 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/15 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 19:00 ~ 20:00	大分県	Oita (Oita)	0.049
45	3/15 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.0266
46	3/15 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/15 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/15 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.024
3	3/15 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.043
4	3/15 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	0.1989
5	3/15 20:00 ~ 21:00	秋田県	Akita (Akita)	0.0367
6	3/15 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.062
7	3/15 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/15 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.229
9	3/15 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.305
10	3/15 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.406
11	3/15 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.111
12	3/15 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.039
13	3/15 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.123
14	3/15 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.069
15	3/15 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.055
16	3/15 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.067
17	3/15 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.0674
18	3/15 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.056
19	3/15 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.0606

21	3/15 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/15 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.0498
23	3/15 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.0465
25	3/15 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/15 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.0391
27	3/15 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.043
28	3/15 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.04
29	3/15 20:00 ~ 21:00	奈良県	Nara (Nara)	0.048
30	3/15 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/15 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.038
33	3/15 20:00 ~ 21:00	岡山県	Okayama (Okayam	0.051
34	3/15 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 20:00 ~ 21:00	山口県	Yamaguchi (Yamag	0.092
36	3/15 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.038
37	3/15 20:00 ~ 21:00	香川県	Kagawa (Takamats	0.054
38	3/15 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/15 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.0246
40	3/15 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.04
42	3/15 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 20:00 ~ 21:00	大分県	Oita (Oita)	0.049
45	3/15 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/15 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/15 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.0211
1	3/15 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.027
2	3/15 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.024
3	3/15 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.043
4	3/15 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	0.1836
5	3/15 21:00 ~ 22:00	秋田県	Akita (Akita)	0.0368
6	3/15 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.073
7	3/15 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/15 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.223
9	3/15 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.293
10	3/15 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.398
11	3/15 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.076
12	3/15 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.034
13	3/15 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.0888
14	3/15 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.074
15	3/15 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.055
16	3/15 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.065
17	3/15 21:00 ~ 22:00	石川県	Ishikawa (Kanazaw	0.0643
18	3/15 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.059
19	3/15 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.0939
21	3/15 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.0476
23	3/15 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.0477
25	3/15 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.046
26	3/15 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.0442
27	3/15 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.044
28	3/15 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.044
29	3/15 21:00 ~ 22:00	奈良県	Nara (Nara)	0.049
30	3/15 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.032

31	3/15 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/15 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.038
33	3/15 21:00 ~ 22:00	岡山県	Okayama (Okayam	0.049
34	3/15 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 21:00 ~ 22:00	山口県	Yamaguchi (Yamag	0.092
36	3/15 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/15 21:00 ~ 22:00	香川県	Kagawa (Takamats	0.059
38	3/15 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.0478
39	3/15 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.0248
40	3/15 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/15 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/15 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/15 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.0346
47	3/15 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.0208
1	3/15 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.025
3	3/15 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.04
4	3/15 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	0.1786
5	3/15 22:00 ~ 23:00	秋田県	Akita (Akita)	0.0373
6	3/15 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.099
7	3/15 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/15 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.218
9	3/15 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.272
10	3/15 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.358
11	3/15 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.068
12	3/15 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.034
13	3/15 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.0657
14	3/15 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.07
15	3/15 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.058
16	3/15 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.062
17	3/15 22:00 ~ 23:00	石川県	Ishikawa (Kanazaw	0.0679
18	3/15 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.059
19	3/15 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.049
20	3/15 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.107
21	3/15 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/15 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.0469
23	3/15 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.0491
25	3/15 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.047
26	3/15 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.0472
27	3/15 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.047
28	3/15 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.042
29	3/15 22:00 ~ 23:00	奈良県	Nara (Nara)	0.053
30	3/15 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/15 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.038
33	3/15 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.049
34	3/15 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/15 22:00 ~ 23:00	山口県	Yamaguchi (Yamag	0.093
36	3/15 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/15 22:00 ~ 23:00	香川県	Kagawa (Takamats	0.055
38	3/15 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/15 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.0249
40	3/15 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.036

41	3/15 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/15 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/15 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/15 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.0262
46	3/15 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.0347
47	3/15 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.0214
1	3/15 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/15 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.025
3	3/15 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.04
4	3/15 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	0.1786
5	3/15 23:00 ~ 24:00	秋田県	Akita (Akita)	0.0373
6	3/15 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.099
7	3/15 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/15 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.214
9	3/15 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.286
10	3/15 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.48
11	3/15 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.069
12	3/15 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.033
13	3/15 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.0556
14	3/15 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.062
15	3/15 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.056
16	3/15 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.059
17	3/15 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.0645
18	3/15 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.06
19	3/15 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.05
20	3/15 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.102
21	3/15 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/15 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.0454
23	3/15 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.04
24	3/15 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.0498
25	3/15 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.047
26	3/15 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.0443
27	3/15 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.045
28	3/15 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.039
29	3/15 23:00 ~ 24:00	奈良県	Nara (Nara)	0.053
30	3/15 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/15 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/15 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.037
33	3/15 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.049
34	3/15 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.048
35	3/15 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.093
36	3/15 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.038
37	3/15 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.054
38	3/15 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.0484
39	3/15 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.0248
40	3/15 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/15 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/15 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/15 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/15 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/15 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/15 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/15 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.0212
1	3/16 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.026
3	3/16 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.041

4	3/16 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	0.1935
5	3/16 00:00 ~ 01:00	秋田県	Akita (Akita)	0.0372
6	3/16 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.107
7	3/16 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/16 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.214
9	3/16 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.281
10	3/16 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.501
11	3/16 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.065
12	3/16 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.033
13	3/16 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.0538
14	3/16 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/16 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.053
16	3/16 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.052
17	3/16 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.0565
18	3/16 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.049
19	3/16 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.049
20	3/16 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.0989
21	3/16 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/16 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.0453
23	3/16 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.0595
25	3/16 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.041
26	3/16 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.0413
27	3/16 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.044
28	3/16 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 00:00 ~ 01:00	奈良県	Nara (Nara)	0.052
30	3/16 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/16 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.037
33	3/16 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.049
34	3/16 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/16 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.053
38	3/16 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.0485
39	3/16 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.0247
40	3/16 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.04
42	3/16 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/16 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/16 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.0349
47	3/16 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.0211
1	3/16 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.026
3	3/16 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.041
4	3/16 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	0.1928
5	3/16 01:00 ~ 02:00	秋田県	Akita (Akita)	0.0364
6	3/16 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.11
7	3/16 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/16 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.214
9	3/16 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.299
10	3/16 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.498
11	3/16 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.078
12	3/16 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.032
13	3/16 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.0547

14	3/16 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.089
15	3/16 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.053
16	3/16 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.052
17	3/16 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.051
18	3/16 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.049
19	3/16 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.047
20	3/16 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.0964
21	3/16 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.0449
23	3/16 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.0659
25	3/16 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/16 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.0391
27	3/16 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.043
28	3/16 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 01:00 ~ 02:00	奈良県	Nara (Nara)	0.049
30	3/16 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/16 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.037
33	3/16 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.049
34	3/16 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/16 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.053
38	3/16 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.0482
39	3/16 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.0247
40	3/16 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.04
42	3/16 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/16 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/16 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.0347
47	3/16 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.0212
1	3/16 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.027
3	3/16 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.041
4	3/16 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	0.1896
5	3/16 02:00 ~ 03:00	秋田県	Akita (Akita)	0.0356
6	3/16 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.114
7	3/16 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/16 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.241
9	3/16 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.322
10	3/16 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.361
11	3/16 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.101
12	3/16 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.031
13	3/16 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.0672
14	3/16 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.078
15	3/16 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.053
16	3/16 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.051
17	3/16 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.0481
18	3/16 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.046
19	3/16 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.046
20	3/16 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.0946
21	3/16 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.0444
23	3/16 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.039

24	3/16 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.0542
25	3/16 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.0386
27	3/16 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/16 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 02:00 ~ 03:00	奈良県	Nara (Nara)	0.048
30	3/16 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.07
32	3/16 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.037
33	3/16 02:00 ~ 03:00	岡山県	Okayama (Okayam	0.049
34	3/16 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 02:00 ~ 03:00	山口県	Yamaguchi (Yamag	0.092
36	3/16 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.038
37	3/16 02:00 ~ 03:00	香川県	Kagawa (Takamats	0.052
38	3/16 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama	0.0483
39	3/16 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.0251
40	3/16 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.04
42	3/16 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 02:00 ~ 03:00	大分県	Oita (Oita)	0.05
45	3/16 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.0265
46	3/16 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.0343
47	3/16 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.0215
1	3/16 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.029
3	3/16 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.04
4	3/16 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	0.1832
5	3/16 03:00 ~ 04:00	秋田県	Akita (Akita)	0.0346
6	3/16 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.104
7	3/16 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/16 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.235
9	3/16 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.309
10	3/16 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.25
11	3/16 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.167
12	3/16 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.032
13	3/16 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.101
14	3/16 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.108
15	3/16 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.053
16	3/16 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.049
17	3/16 03:00 ~ 04:00	石川県	Ishikawa (Kanazaw	0.0476
18	3/16 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.052
19	3/16 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.046
20	3/16 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.0943
21	3/16 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.0439
23	3/16 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.0486
25	3/16 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/16 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.0385
27	3/16 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.043
28	3/16 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 03:00 ~ 04:00	奈良県	Nara (Nara)	0.048
30	3/16 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/16 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.037
33	3/16 03:00 ~ 04:00	岡山県	Okayama (Okayam	0.048

34	3/16 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 03:00 ~ 04:00	山口県	Yamaguchi (Yamagı	0.092
36	3/16 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.038
37	3/16 03:00 ~ 04:00	香川県	Kagawa (Takamatsı	0.052
38	3/16 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/16 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.0247
40	3/16 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.04
42	3/16 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/16 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.0262
46	3/16 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.0343
47	3/16 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.0214
1	3/16 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.026
3	3/16 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.039
4	3/16 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	0.1739
5	3/16 04:00 ~ 05:00	秋田県	Akita (Akita)	0.0346
6	3/16 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.096
7	3/16 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/16 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.218
9	3/16 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.312
10	3/16 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.17
11	3/16 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.188
12	3/16 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.033
13	3/16 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-kı	0.141
14	3/16 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.127
15	3/16 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.055
16	3/16 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.05
17	3/16 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.0533
18	3/16 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.052
19	3/16 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.046
20	3/16 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.0951
21	3/16 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.0425
23	3/16 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.0486
25	3/16 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/16 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.0386
27	3/16 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.043
28	3/16 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 04:00 ~ 05:00	奈良県	Nara (Nara)	0.048
30	3/16 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/16 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.037
33	3/16 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.048
34	3/16 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 04:00 ~ 05:00	山口県	Yamaguchi (Yamagı	0.092
36	3/16 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.038
37	3/16 04:00 ~ 05:00	香川県	Kagawa (Takamatsı	0.051
38	3/16 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.0477
39	3/16 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.0249
40	3/16 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.039
42	3/16 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.027

44	3/16 04:00 ~ 05:00	大分県	Oita (Oita)	0.049
45	3/16 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/16 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.0344
47	3/16 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.0211
1	3/16 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.029
2	3/16 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.023
3	3/16 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.037
4	3/16 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	0.1674
5	3/16 05:00 ~ 06:00	秋田県	Akita (Akita)	0.0346
6	3/16 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.09
7	3/16 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/16 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.218
9	3/16 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.31
10	3/16 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.146
11	3/16 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.155
12	3/16 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.042
13	3/16 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.143
14	3/16 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.152
15	3/16 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.056
16	3/16 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.051
17	3/16 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.0514
18	3/16 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.048
19	3/16 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.046
20	3/16 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.0959
21	3/16 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.041
23	3/16 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.041
24	3/16 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.0521
25	3/16 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.0382
27	3/16 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.043
28	3/16 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 05:00 ~ 06:00	奈良県	Nara (Nara)	0.048
30	3/16 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/16 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.037
33	3/16 05:00 ~ 06:00	岡山県	Okayama (Okayama	0.048
34	3/16 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 05:00 ~ 06:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.037
37	3/16 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.0475
39	3/16 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.0251
40	3/16 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.039
42	3/16 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 05:00 ~ 06:00	大分県	Oita (Oita)	0.049
45	3/16 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/16 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.0342
47	3/16 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.0215
1	3/16 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.029
2	3/16 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.021
3	3/16 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.036
4	3/16 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	0.1649
5	3/16 06:00 ~ 07:00	秋田県	Akita (Akita)	0.0346
6	3/16 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.083

7	3/16 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/16 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.32
9	3/16 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.308
10	3/16 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.158
11	3/16 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.208
12	3/16 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.053
13	3/16 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.142
14	3/16 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.152
15	3/16 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.055
16	3/16 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.049
17	3/16 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.0482
18	3/16 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.049
19	3/16 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.046
20	3/16 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.0964
21	3/16 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.0402
23	3/16 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.0495
25	3/16 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.0383
27	3/16 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.043
28	3/16 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 06:00 ~ 07:00	奈良県	Nara (Nara)	0.048
30	3/16 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/16 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.037
33	3/16 06:00 ~ 07:00	岡山県	Okayama (Okayama	0.049
34	3/16 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 06:00 ~ 07:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.037
37	3/16 06:00 ~ 07:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.0476
39	3/16 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.0247
40	3/16 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.039
42	3/16 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.026
44	3/16 06:00 ~ 07:00	大分県	Oita (Oita)	0.049
45	3/16 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.0263
46	3/16 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.0211
1	3/16 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.021
3	3/16 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.035
4	3/16 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	0.1624
5	3/16 07:00 ~ 08:00	秋田県	Akita (Akita)	0.0352
6	3/16 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.078
7	3/16 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/16 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	1.035
9	3/16 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.335
10	3/16 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.14
11	3/16 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.141
12	3/16 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.066
13	3/16 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.104
14	3/16 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.153
15	3/16 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.052
16	3/16 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.049

17	3/16 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.048
18	3/16 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.049
19	3/16 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.0984
21	3/16 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/16 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.0403
23	3/16 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.0481
25	3/16 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/16 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.0381
27	3/16 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/16 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 07:00 ~ 08:00	奈良県	Nara (Nara)	0.047
30	3/16 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/16 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.043
33	3/16 07:00 ~ 08:00	岡山県	Okayama (Okayama	0.049
34	3/16 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 07:00 ~ 08:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.037
37	3/16 07:00 ~ 08:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.0474
39	3/16 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.0243
40	3/16 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.039
42	3/16 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.026
44	3/16 07:00 ~ 08:00	大分県	Oita (Oita)	0.049
45	3/16 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.0262
46	3/16 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.0338
47	3/16 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.0215
1	3/16 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.02
3	3/16 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.034
4	3/16 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	0.1606
5	3/16 08:00 ~ 09:00	秋田県	Akita (Akita)	0.0348
6	3/16 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.073
7	3/16 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/16 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.962
9	3/16 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.337
10	3/16 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.127
11	3/16 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.094
12	3/16 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.097
13	3/16 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.0891
14	3/16 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.139
15	3/16 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.058
16	3/16 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.054
17	3/16 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.0508
18	3/16 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.047
19	3/16 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.0983
21	3/16 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/16 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.0409
23	3/16 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.0469
25	3/16 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/16 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.0385

27	3/16 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043
28	3/16 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 08:00 ~ 09:00	奈良県	Nara (Nara)	0.048
30	3/16 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.072
32	3/16 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.046
33	3/16 08:00 ~ 09:00	岡山県	Okayama (Okayam	0.049
34	3/16 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 08:00 ~ 09:00	山口県	Yamaguchi (Yamag	0.092
36	3/16 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.037
37	3/16 08:00 ~ 09:00	香川県	Kagawa (Takamats	0.052
38	3/16 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.0475
39	3/16 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.0244
40	3/16 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.039
42	3/16 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/16 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.026
44	3/16 08:00 ~ 09:00	大分県	Oita (Oita)	0.049
45	3/16 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.0337
47	3/16 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.0213
1	3/16 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.021
3	3/16 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.033
4	3/16 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	0.158
5	3/16 09:00 ~ 10:00	秋田県	Akita (Akita)	0.035
6	3/16 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.073
7	3/16 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/16 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.65
9	3/16 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.254
10	3/16 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.123
11	3/16 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.073
12	3/16 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.141
13	3/16 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.069
14	3/16 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.126
15	3/16 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.06
16	3/16 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.058
17	3/16 09:00 ~ 10:00	石川県	Ishikawa (Kanazaw	0.057
18	3/16 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.048
19	3/16 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.097
21	3/16 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.069
22	3/16 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.045
23	3/16 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.048
25	3/16 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/16 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.039
27	3/16 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.043
28	3/16 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 09:00 ~ 10:00	奈良県	Nara (Nara)	0.048
30	3/16 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/16 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.044
33	3/16 09:00 ~ 10:00	岡山県	Okayama (Okayam	0.048
34	3/16 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 09:00 ~ 10:00	山口県	Yamaguchi (Yamag	0.092
36	3/16 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.037

37	3/16 09:00 ~ 10:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.024
40	3/16 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/16 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.026
44	3/16 09:00 ~ 10:00	大分県	Oita (Oita)	0.049
45	3/16 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.021
3	3/16 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.033
4	3/16 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	0.159
5	3/16 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/16 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.076
7	3/16 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/16 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.49
9	3/16 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.229
10	3/16 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.122
11	3/16 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.071
12	3/16 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.124
13	3/16 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.058
14	3/16 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.115
15	3/16 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.068
16	3/16 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.059
17	3/16 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.052
18	3/16 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.051
19	3/16 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.1
21	3/16 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.071
22	3/16 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/16 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.052
25	3/16 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.039
27	3/16 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.043
28	3/16 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 10:00 ~ 11:00	奈良県	Nara (Nara)	0.048
30	3/16 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.031
31	3/16 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.078
32	3/16 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.043
33	3/16 10:00 ~ 11:00	岡山県	Okayama (Okayama	0.049
34	3/16 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 10:00 ~ 11:00	山口県	Yamaguchi (Yamagu	0.091
36	3/16 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.037
37	3/16 10:00 ~ 11:00	香川県	Kagawa (Takamatsu	0.053
38	3/16 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.024
40	3/16 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.04
42	3/16 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 10:00 ~ 11:00	大分県	Oita (Oita)	0.049
45	3/16 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034

47	3/16 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.022
3	3/16 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.033
4	3/16 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	0.16
5	3/16 11:00 ~ 12:00	秋田県	Akita (Akita)	0.035
6	3/16 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.073
7	3/16 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/16 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.446
9	3/16 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.224
10	3/16 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.12
11	3/16 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.071
12	3/16 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.076
13	3/16 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.057
14	3/16 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.099
15	3/16 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.06
16	3/16 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.053
17	3/16 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.051
18	3/16 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.053
19	3/16 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.1
21	3/16 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.067
22	3/16 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/16 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.054
25	3/16 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.038
27	3/16 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.045
28	3/16 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 11:00 ~ 12:00	奈良県	Nara (Nara)	0.049
30	3/16 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.087
32	3/16 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.04
33	3/16 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.049
34	3/16 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 11:00 ~ 12:00	山口県	Yamaguchi (Yamagu	0.091
36	3/16 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.037
37	3/16 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.024
40	3/16 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.04
42	3/16 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 11:00 ~ 12:00	大分県	Oita (Oita)	0.049
45	3/16 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.021
3	3/16 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.034
4	3/16 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	0.155
5	3/16 12:00 ~ 13:00	秋田県	Akita (Akita)	0.036
6	3/16 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.063
7	3/16 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/16 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.306
9	3/16 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.223

10	3/16 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.119
11	3/16 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.07
12	3/16 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.051
13	3/16 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.056
14	3/16 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.079
15	3/16 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.052
16	3/16 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.05
17	3/16 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.049
18	3/16 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.054
19	3/16 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.097
21	3/16 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/16 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.045
23	3/16 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.042
24	3/16 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.055
25	3/16 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.038
27	3/16 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.049
28	3/16 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 12:00 ~ 13:00	奈良県	Nara (Nara)	0.048
30	3/16 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.077
32	3/16 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.038
33	3/16 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.05
34	3/16 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.037
37	3/16 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.053
38	3/16 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.024
40	3/16 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.04
42	3/16 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 12:00 ~ 13:00	大分県	Oita (Oita)	0.049
45	3/16 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.024
3	3/16 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.034
4	3/16 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	0.151
5	3/16 13:00 ~ 14:00	秋田県	Akita (Akita)	0.038
6	3/16 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.058
7	3/16 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/16 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.279
9	3/16 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.22
10	3/16 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.119
11	3/16 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.069
12	3/16 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.042
13	3/16 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.055
14	3/16 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.065
15	3/16 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.051
16	3/16 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.05
17	3/16 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.048
18	3/16 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.058
19	3/16 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.045

20	3/16 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.091
21	3/16 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/16 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.045
23	3/16 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.044
24	3/16 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.056
25	3/16 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.039
27	3/16 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.05
28	3/16 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.04
29	3/16 13:00 ~ 14:00	奈良県	Nara (Nara)	0.048
30	3/16 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.069
32	3/16 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.037
33	3/16 13:00 ~ 14:00	岡山県	Okayama (Okayam	0.051
34	3/16 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 13:00 ~ 14:00	山口県	Yamaguchi (Yamag	0.091
36	3/16 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.038
37	3/16 13:00 ~ 14:00	香川県	Kagawa (Takamats	0.053
38	3/16 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.024
40	3/16 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.04
42	3/16 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 13:00 ~ 14:00	大分県	Oita (Oita)	0.049
45	3/16 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.022
3	3/16 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.04
4	3/16 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	0.15
5	3/16 14:00 ~ 15:00	秋田県	Akita (Akita)	0.037
6	3/16 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.057
7	3/16 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/16 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.267
9	3/16 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.218
10	3/16 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.116
11	3/16 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.069
12	3/16 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.042
13	3/16 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.054
14	3/16 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.057
15	3/16 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.049
16	3/16 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.049
17	3/16 14:00 ~ 15:00	石川県	Ishikawa (Kanazaw	0.047
18	3/16 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.053
19	3/16 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.088
21	3/16 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/16 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.045
23	3/16 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.041
24	3/16 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.053
25	3/16 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/16 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.04
27	3/16 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.051
28	3/16 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 14:00 ~ 15:00	奈良県	Nara (Nara)	0.048

30	3/16 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/16 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.037
33	3/16 14:00 ~ 15:00	岡山県	Okayama (Okayam	0.052
34	3/16 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 14:00 ~ 15:00	山口県	Yamaguchi (Yamag	0.091
36	3/16 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.039
37	3/16 14:00 ~ 15:00	香川県	Kagawa (Takamats	0.054
38	3/16 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama	0.047
39	3/16 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.024
40	3/16 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.04
42	3/16 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 14:00 ~ 15:00	大分県	Oita (Oita)	0.049
45	3/16 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 15:00 ~ 16:00	北海道	Hokkaido (Sapporo	0.027
2	3/16 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.022
3	3/16 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.042
4	3/16 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	0.151
5	3/16 15:00 ~ 16:00	秋田県	Akita (Akita)	0.039
6	3/16 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.056
7	3/16 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/16 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.259
9	3/16 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.216
10	3/16 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.111
11	3/16 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.068
12	3/16 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.042
13	3/16 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.054
14	3/16 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.056
15	3/16 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.048
16	3/16 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.048
17	3/16 15:00 ~ 16:00	石川県	Ishikawa (Kanazaw	0.047
18	3/16 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.048
19	3/16 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.089
21	3/16 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/16 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.045
23	3/16 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.053
25	3/16 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/16 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.041
27	3/16 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.047
28	3/16 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 15:00 ~ 16:00	奈良県	Nara (Nara)	0.048
30	3/16 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/16 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.038
33	3/16 15:00 ~ 16:00	岡山県	Okayama (Okayam	0.051
34	3/16 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 15:00 ~ 16:00	山口県	Yamaguchi (Yamag	0.091
36	3/16 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.039
37	3/16 15:00 ~ 16:00	香川県	Kagawa (Takamats	0.054
38	3/16 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama	0.047
39	3/16 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.024

40	3/16 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.04
42	3/16 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 15:00 ~ 16:00	大分県	Oita (Oita)	0.049
45	3/16 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.025
3	3/16 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.037
4	3/16 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	0.153
5	3/16 16:00 ~ 17:00	秋田県	Akita (Akita)	0.039
6	3/16 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.057
7	3/16 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/16 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.252
9	3/16 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.215
10	3/16 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.11
11	3/16 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.068
12	3/16 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.041
13	3/16 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.054
14	3/16 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.056
15	3/16 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.047
16	3/16 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.048
17	3/16 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.048
18	3/16 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.046
19	3/16 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.046
20	3/16 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.087
21	3/16 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.045
23	3/16 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.056
25	3/16 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/16 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.041
27	3/16 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.045
28	3/16 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 16:00 ~ 17:00	奈良県	Nara (Nara)	0.047
30	3/16 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/16 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.039
33	3/16 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.05
34	3/16 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 16:00 ~ 17:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.04
37	3/16 16:00 ~ 17:00	香川県	Kagawa (Takamatsu	0.053
38	3/16 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.024
40	3/16 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.04
42	3/16 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 16:00 ~ 17:00	大分県	Oita (Oita)	0.049
45	3/16 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.042

3	3/16 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.039
4	3/16 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	0.155
5	3/16 17:00 ~ 18:00	秋田県	Akita (Akita)	0.035
6	3/16 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.056
7	3/16 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/16 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.248
9	3/16 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.214
10	3/16 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.11
11	3/16 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.068
12	3/16 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.041
13	3/16 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/16 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.056
15	3/16 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.047
16	3/16 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.051
17	3/16 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.051
18	3/16 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.046
19	3/16 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.087
21	3/16 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.042
23	3/16 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.053
25	3/16 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/16 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.041
27	3/16 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.044
28	3/16 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047
30	3/16 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.075
32	3/16 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.038
33	3/16 17:00 ~ 18:00	岡山県	Okayama (Okayama	0.049
34	3/16 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 17:00 ~ 18:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.04
37	3/16 17:00 ~ 18:00	香川県	Kagawa (Takamatsu	0.053
38	3/16 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/16 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.024
40	3/16 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04
42	3/16 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 17:00 ~ 18:00	大分県	Oita (Oita)	0.05
45	3/16 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.05
3	3/16 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.036
4	3/16 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	0.153
5	3/16 18:00 ~ 19:00	秋田県	Akita (Akita)	0.036
6	3/16 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.052
7	3/16 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/16 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.244
9	3/16 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.213
10	3/16 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.109
11	3/16 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.068
12	3/16 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.041

13	3/16 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/16 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.056
15	3/16 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.048
16	3/16 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.055
17	3/16 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.05
18	3/16 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.049
19	3/16 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.087
21	3/16 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/16 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.055
25	3/16 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.039
27	3/16 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/16 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 18:00 ~ 19:00	奈良県	Nara (Nara)	0.047
30	3/16 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.074
32	3/16 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.037
33	3/16 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.049
34	3/16 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.092
36	3/16 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.04
37	3/16 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/16 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.024
40	3/16 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/16 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 18:00 ~ 19:00	大分県	Oita (Oita)	0.05
45	3/16 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/16 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.05
3	3/16 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.034
4	3/16 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	0.153
5	3/16 19:00 ~ 20:00	秋田県	Akita (Akita)	0.037
6	3/16 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.053
7	3/16 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/16 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.241
9	3/16 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.212
10	3/16 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.109
11	3/16 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.067
12	3/16 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.04
13	3/16 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/16 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/16 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.048
16	3/16 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.052
17	3/16 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.048
18	3/16 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.049
19	3/16 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.089
21	3/16 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.04

23	3/16 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.057
25	3/16 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/16 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.043
28	3/16 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.037
29	3/16 19:00 ~ 20:00	奈良県	Nara (Nara)	0.047
30	3/16 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.072
32	3/16 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.036
33	3/16 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.048
34	3/16 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/16 19:00 ~ 20:00	山口県	Yamaguchi (Yamagı	0.092
36	3/16 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/16 19:00 ~ 20:00	香川県	Kagawa (Takamatsı	0.052
38	3/16 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/16 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.025
40	3/16 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/16 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 19:00 ~ 20:00	大分県	Oita (Oita)	0.049
45	3/16 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.027
2	3/16 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.026
3	3/16 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.034
4	3/16 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	0.151
5	3/16 21:00 ~ 22:00	秋田県	Akita (Akita)	0.04
6	3/16 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.055
7	3/16 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/16 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.237
9	3/16 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.211
10	3/16 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.108
11	3/16 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.067
12	3/16 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.041
13	3/16 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/16 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/16 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.047
16	3/16 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.049
17	3/16 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.048
18	3/16 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.046
19	3/16 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.088
21	3/16 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/16 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.06
25	3/16 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/16 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.038
27	3/16 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.043
28	3/16 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 21:00 ~ 22:00	奈良県	Nara (Nara)	0.048
30	3/16 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/16 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.036

33	3/16 21:00 ~ 22:00	岡山県	Okayama (Okayam	0.049
34	3/16 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/16 21:00 ~ 22:00	山口県	Yamaguchi (Yamag	0.093
36	3/16 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/16 21:00 ~ 22:00	香川県	Kagawa (Takamats	0.052
38	3/16 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama	0.047
39	3/16 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/16 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/16 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/16 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/16 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/16 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 22:00 ~ 23:00	北海道	Hokkaido (Sapporo	0.028
2	3/16 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.024
3	3/16 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.033
4	3/16 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	0.149
5	3/16 22:00 ~ 23:00	秋田県	Akita (Akita)	0.038
6	3/16 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.053
7	3/16 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/16 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.235
9	3/16 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.21
10	3/16 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.108
11	3/16 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.067
12	3/16 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.04
13	3/16 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/16 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/16 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.047
16	3/16 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.05
17	3/16 22:00 ~ 23:00	石川県	Ishikawa (Kanazaw	0.051
18	3/16 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.048
19	3/16 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.089
21	3/16 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/16 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/16 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.057
25	3/16 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/16 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.038
27	3/16 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.043
28	3/16 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.038
29	3/16 22:00 ~ 23:00	奈良県	Nara (Nara)	0.047
30	3/16 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/16 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.036
33	3/16 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.049
34	3/16 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 22:00 ~ 23:00	山口県	Yamaguchi (Yamag	0.094
36	3/16 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/16 22:00 ~ 23:00	香川県	Kagawa (Takamats	0.052
38	3/16 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama	0.048
39	3/16 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/16 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/16 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029

43	3/16 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/16 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/16 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/16 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/16 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/16 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.028
3	3/16 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.034
4	3/16 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	0.148
5	3/16 23:00 ~ 24:00	秋田県	Akita (Akita)	0.039
6	3/16 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.051
7	3/16 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/16 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.233
9	3/16 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.208
10	3/16 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.107
11	3/16 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.067
12	3/16 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.04
13	3/16 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/16 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/16 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.047
16	3/16 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.055
17	3/16 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.053
18	3/16 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.049
19	3/16 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.045
20	3/16 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.087
21	3/16 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/16 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/16 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.04
24	3/16 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.055
25	3/16 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/16 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.038
27	3/16 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.043
28	3/16 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.039
29	3/16 23:00 ~ 24:00	奈良県	Nara (Nara)	0.047
30	3/16 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/16 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/16 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.036
33	3/16 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.049
34	3/16 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.048
35	3/16 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.095
36	3/16 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.038
37	3/16 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.052
38	3/16 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/16 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.025
40	3/16 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/16 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/16 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/16 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/16 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/16 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/16 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/16 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.026
3	3/17 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.036
4	3/17 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	0.147
5	3/17 00:00 ~ 01:00	秋田県	Akita (Akita)	0.042

6	3/17 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.05
7	3/17 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/17 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.232
9	3/17 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.208
10	3/17 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.106
11	3/17 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.067
12	3/17 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.04
13	3/17 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/17 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/17 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.047
16	3/17 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.056
17	3/17 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.052
18	3/17 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.051
19	3/17 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.045
20	3/17 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.086
21	3/17 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.04
24	3/17 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.052
25	3/17 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.04
27	3/17 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.043
28	3/17 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.038
29	3/17 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/17 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/17 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.036
33	3/17 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.049
34	3/17 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.096
36	3/17 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/17 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.026
40	3/17 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.041
42	3/17 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.028
44	3/17 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/17 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/17 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/17 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.022
3	3/17 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.041
4	3/17 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	0.146
5	3/17 01:00 ~ 02:00	秋田県	Akita (Akita)	0.044
6	3/17 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.05
7	3/17 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/17 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.231
9	3/17 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.207
10	3/17 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.106
11	3/17 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.066
12	3/17 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.039
13	3/17 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.053
14	3/17 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/17 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.047

16	3/17 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.051
17	3/17 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.049
18	3/17 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.048
19	3/17 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.045
20	3/17 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.086
21	3/17 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.04
24	3/17 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.052
25	3/17 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.039
27	3/17 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.043
28	3/17 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.038
29	3/17 01:00 ~ 02:00	奈良県	Nara (Nara)	0.047
30	3/17 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/17 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.037
33	3/17 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.049
34	3/17 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.096
36	3/17 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/17 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/17 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.026
40	3/17 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.041
42	3/17 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.028
44	3/17 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/17 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/17 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.02
3	3/17 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.045
4	3/17 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	0.145
5	3/17 02:00 ~ 03:00	秋田県	Akita (Akita)	0.048
6	3/17 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.05
7	3/17 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/17 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.23
9	3/17 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.205
10	3/17 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.105
11	3/17 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.066
12	3/17 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.039
13	3/17 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.055
15	3/17 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.048
16	3/17 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.05
17	3/17 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.048
18	3/17 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.048
19	3/17 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.045
20	3/17 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.085
21	3/17 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.04
24	3/17 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.056
25	3/17 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.032

26	3/17 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/17 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 02:00 ~ 03:00	奈良県	Nara (Nara)	0.047
30	3/17 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/17 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.037
33	3/17 02:00 ~ 03:00	岡山県	Okayama (Okayam	0.049
34	3/17 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 02:00 ~ 03:00	山口県	Yamaguchi (Yamag	0.095
36	3/17 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.038
37	3/17 02:00 ~ 03:00	香川県	Kagawa (Takamats	0.052
38	3/17 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.026
40	3/17 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.041
42	3/17 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.028
44	3/17 02:00 ~ 03:00	大分県	Oita (Oita)	0.05
45	3/17 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/17 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/17 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.029
2	3/17 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.026
3	3/17 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.048
4	3/17 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	0.144
5	3/17 03:00 ~ 04:00	秋田県	Akita (Akita)	0.047
6	3/17 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.054
7	3/17 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/17 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.228
9	3/17 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.203
10	3/17 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.104
11	3/17 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.066
12	3/17 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.039
13	3/17 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.054
15	3/17 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.048
16	3/17 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.049
17	3/17 03:00 ~ 04:00	石川県	Ishikawa (Kanazaw	0.047
18	3/17 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.046
19	3/17 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.045
20	3/17 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.085
21	3/17 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.052
25	3/17 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.042
28	3/17 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.036
29	3/17 03:00 ~ 04:00	奈良県	Nara (Nara)	0.047
30	3/17 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.069
32	3/17 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.038
33	3/17 03:00 ~ 04:00	岡山県	Okayama (Okayam	0.05
34	3/17 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 03:00 ~ 04:00	山口県	Yamaguchi (Yamag	0.096

36	3/17 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.038
37	3/17 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.026
40	3/17 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.041
42	3/17 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/17 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/17 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/17 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.031
2	3/17 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.023
3	3/17 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.043
4	3/17 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	0.143
5	3/17 04:00 ~ 05:00	秋田県	Akita (Akita)	0.04
6	3/17 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.056
7	3/17 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/17 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.226
9	3/17 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.203
10	3/17 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.104
11	3/17 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.066
12	3/17 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.039
13	3/17 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.054
15	3/17 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.048
16	3/17 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.051
17	3/17 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.047
18	3/17 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.049
19	3/17 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.085
21	3/17 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.049
25	3/17 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.042
28	3/17 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 04:00 ~ 05:00	奈良県	Nara (Nara)	0.047
30	3/17 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/17 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.038
33	3/17 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.05
34	3/17 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.05
35	3/17 04:00 ~ 05:00	山口県	Yamaguchi (Yamagu	0.098
36	3/17 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.037
37	3/17 04:00 ~ 05:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.026
40	3/17 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.041
42	3/17 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 04:00 ~ 05:00	大分県	Oita (Oita)	0.05
45	3/17 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027

46	3/17 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/17 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.031
2	3/17 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.021
3	3/17 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.036
4	3/17 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	0.141
5	3/17 05:00 ~ 06:00	秋田県	Akita (Akita)	0.036
6	3/17 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.051
7	3/17 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/17 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.225
9	3/17 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.201
10	3/17 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.103
11	3/17 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.065
12	3/17 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.054
15	3/17 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.048
16	3/17 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.055
17	3/17 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.047
18	3/17 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.052
19	3/17 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.085
21	3/17 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.048
25	3/17 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.043
28	3/17 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 05:00 ~ 06:00	奈良県	Nara (Nara)	0.047
30	3/17 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/17 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.037
33	3/17 05:00 ~ 06:00	岡山県	Okayama (Okayama	0.05
34	3/17 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 05:00 ~ 06:00	山口県	Yamaguchi (Yamagu	0.099
36	3/17 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.038
37	3/17 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.051
39	3/17 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.027
40	3/17 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.041
42	3/17 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 05:00 ~ 06:00	大分県	Oita (Oita)	0.05
45	3/17 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/17 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/17 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.03
2	3/17 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.02
3	3/17 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.033
4	3/17 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	0.14
5	3/17 06:00 ~ 07:00	秋田県	Akita (Akita)	0.034
6	3/17 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.055
7	3/17 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/17 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.225

9	3/17 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.2
10	3/17 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.102
11	3/17 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.065
12	3/17 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.054
15	3/17 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.047
16	3/17 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.051
17	3/17 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.048
18	3/17 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.048
19	3/17 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.085
21	3/17 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.047
25	3/17 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.043
28	3/17 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 06:00 ~ 07:00	奈良県	Nara (Nara)	0.047
30	3/17 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.069
32	3/17 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.038
33	3/17 06:00 ~ 07:00	岡山県	Okayama (Okayama	0.051
34	3/17 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 06:00 ~ 07:00	山口県	Yamaguchi (Yamagu	0.098
36	3/17 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.038
37	3/17 06:00 ~ 07:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.027
40	3/17 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.04
42	3/17 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 06:00 ~ 07:00	大分県	Oita (Oita)	0.05
45	3/17 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.03
2	3/17 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.02
3	3/17 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.032
4	3/17 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	0.131
5	3/17 07:00 ~ 08:00	秋田県	Akita (Akita)	0.034
6	3/17 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.054
7	3/17 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/17 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.224
9	3/17 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.199
10	3/17 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.101
11	3/17 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.065
12	3/17 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.054
15	3/17 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.047
16	3/17 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.048
17	3/17 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.049
18	3/17 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.046

19	3/17 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.083
21	3/17 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.046
25	3/17 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/17 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 07:00 ~ 08:00	奈良県	Nara (Nara)	0.047
30	3/17 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.076
32	3/17 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.042
33	3/17 07:00 ~ 08:00	岡山県	Okayama (Okayam	0.051
34	3/17 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 07:00 ~ 08:00	山口県	Yamaguchi (Yamag	0.096
36	3/17 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.038
37	3/17 07:00 ~ 08:00	香川県	Kagawa (Takamats	0.052
38	3/17 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.028
40	3/17 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.04
42	3/17 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 07:00 ~ 08:00	大分県	Oita (Oita)	0.05
45	3/17 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.029
2	3/17 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.02
3	3/17 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.031
4	3/17 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/17 08:00 ~ 09:00	秋田県	Akita (Akita)	0.034
6	3/17 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.051
7	3/17 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/17 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.222
9	3/17 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.197
10	3/17 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.101
11	3/17 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.064
12	3/17 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.054
15	3/17 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.046
16	3/17 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.049
17	3/17 08:00 ~ 09:00	石川県	Ishikawa (Kanazaw	0.047
18	3/17 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.05
19	3/17 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.082
21	3/17 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/17 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.045
25	3/17 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.042
28	3/17 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.036

29	3/17 08:00 ~ 09:00	奈良県	Nara (Nara)	0.047
30	3/17 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.078
32	3/17 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.043
33	3/17 08:00 ~ 09:00	岡山県	Okayama (Okayam	0.051
34	3/17 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 08:00 ~ 09:00	山口県	Yamaguchi (Yamag	0.094
36	3/17 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.038
37	3/17 08:00 ~ 09:00	香川県	Kagawa (Takamats	0.052
38	3/17 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/17 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.027
40	3/17 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.04
42	3/17 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 08:00 ~ 09:00	大分県	Oita (Oita)	0.05
45	3/17 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.02
3	3/17 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.031
4	3/17 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	0.138
5	3/17 09:00 ~ 10:00	秋田県	Akita (Akita)	0.034
6	3/17 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.052
7	3/17 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/17 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.218
9	3/17 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.195
10	3/17 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.1
11	3/17 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.064
12	3/17 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/17 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.053
15	3/17 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.046
16	3/17 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.05
17	3/17 09:00 ~ 10:00	石川県	Ishikawa (Kanazaw	0.047
18	3/17 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.051
19	3/17 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.081
21	3/17 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.043
23	3/17 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.045
25	3/17 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.042
28	3/17 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.036
29	3/17 09:00 ~ 10:00	奈良県	Nara (Nara)	0.047
30	3/17 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.079
32	3/17 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.039
33	3/17 09:00 ~ 10:00	岡山県	Okayama (Okayam	0.049
34	3/17 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.048
35	3/17 09:00 ~ 10:00	山口県	Yamaguchi (Yamag	0.092
36	3/17 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.037
37	3/17 09:00 ~ 10:00	香川県	Kagawa (Takamats	0.052
38	3/17 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.048

39	3/17 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.025
40	3/17 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/17 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 09:00 ~ 10:00	大分県	Oita (Oita)	0.049
45	3/17 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.029
2	3/17 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.02
3	3/17 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.031
4	3/17 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	0.137
5	3/17 10:00 ~ 11:00	秋田県	Akita (Akita)	0.034
6	3/17 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.053
7	3/17 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/17 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.217
9	3/17 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.194
10	3/17 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.099
11	3/17 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.064
12	3/17 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/17 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.053
15	3/17 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.046
16	3/17 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.049
17	3/17 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.05
18	3/17 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.049
19	3/17 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.08
21	3/17 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.044
23	3/17 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.04
24	3/17 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.045
25	3/17 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.043
28	3/17 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.036
29	3/17 10:00 ~ 11:00	奈良県	Nara (Nara)	0.047
30	3/17 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.083
32	3/17 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.041
33	3/17 10:00 ~ 11:00	岡山県	Okayama (Okayama	0.048
34	3/17 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.048
35	3/17 10:00 ~ 11:00	山口県	Yamaguchi (Yamagu	0.092
36	3/17 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.037
37	3/17 10:00 ~ 11:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/17 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.025
40	3/17 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.039
42	3/17 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/17 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.031

2	3/17 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.022
3	3/17 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.03
4	3/17 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	0.139
5	3/17 11:00 ~ 12:00	秋田県	Akita (Akita)	0.034
6	3/17 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.05
7	3/17 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/17 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.215
9	3/17 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.193
10	3/17 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.099
11	3/17 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.064
12	3/17 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/17 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.053
15	3/17 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.046
16	3/17 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.048
17	3/17 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.048
18	3/17 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.049
19	3/17 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.079
21	3/17 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.044
23	3/17 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.04
24	3/17 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.045
25	3/17 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.043
28	3/17 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 11:00 ~ 12:00	奈良県	Nara (Nara)	0.047
30	3/17 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.078
32	3/17 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.042
33	3/17 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.048
34	3/17 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.048
35	3/17 11:00 ~ 12:00	山口県	Yamaguchi (Yamagu	0.092
36	3/17 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.037
37	3/17 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/17 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.025
40	3/17 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.039
42	3/17 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.026
44	3/17 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/17 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.035
2	3/17 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.027
3	3/17 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.03
4	3/17 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	0.143
5	3/17 12:00 ~ 13:00	秋田県	Akita (Akita)	0.034
6	3/17 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.052
7	3/17 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/17 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.214
9	3/17 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.192
10	3/17 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.099
11	3/17 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.063

12	3/17 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.037
13	3/17 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/17 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.053
15	3/17 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.046
16	3/17 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.049
17	3/17 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.048
18	3/17 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.046
19	3/17 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.078
21	3/17 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.044
23	3/17 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.046
25	3/17 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.043
28	3/17 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.038
29	3/17 12:00 ~ 13:00	奈良県	Nara (Nara)	0.048
30	3/17 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.031
31	3/17 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/17 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.043
33	3/17 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.048
34	3/17 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.092
36	3/17 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.037
37	3/17 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/17 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.025
40	3/17 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.039
42	3/17 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.026
44	3/17 12:00 ~ 13:00	大分県	Oita (Oita)	0.049
45	3/17 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.033
2	3/17 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.033
3	3/17 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.03
4	3/17 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	0.141
5	3/17 13:00 ~ 14:00	秋田県	Akita (Akita)	0.034
6	3/17 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.052
7	3/17 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/17 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.212
9	3/17 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.191
10	3/17 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.098
11	3/17 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/17 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasaki)	
15	3/17 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.046
16	3/17 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.049
17	3/17 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.049
18	3/17 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.046
19	3/17 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.078
21	3/17 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.06

22	3/17 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.044
23	3/17 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/17 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/17 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.043
28	3/17 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.039
29	3/17 13:00 ~ 14:00	奈良県	Nara (Nara)	0.048
30	3/17 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.061
32	3/17 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.039
33	3/17 13:00 ~ 14:00	岡山県	Okayama (Okayam	0.049
34	3/17 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 13:00 ~ 14:00	山口県	Yamaguchi (Yamag	0.092
36	3/17 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.037
37	3/17 13:00 ~ 14:00	香川県	Kagawa (Takamats	0.052
38	3/17 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/17 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.025
40	3/17 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.039
42	3/17 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.026
44	3/17 13:00 ~ 14:00	大分県	Oita (Oita)	0.049
45	3/17 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.033
47	3/17 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.022
1	3/17 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.031
2	3/17 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.033
3	3/17 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.029
4	3/17 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	0.141
5	3/17 14:00 ~ 15:00	秋田県	Akita (Akita)	0.036
6	3/17 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.047
7	3/17 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/17 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.212
9	3/17 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.19
10	3/17 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.097
11	3/17 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/17 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasaki)	
15	3/17 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.046
16	3/17 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.05
17	3/17 14:00 ~ 15:00	石川県	Ishikawa (Kanazaw	0.048
18	3/17 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.046
19	3/17 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.078
21	3/17 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.044
23	3/17 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.047
25	3/17 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/17 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.041
27	3/17 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.046
28	3/17 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.039
29	3/17 14:00 ~ 15:00	奈良県	Nara (Nara)	0.048
30	3/17 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.062

32	3/17 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.037
33	3/17 14:00 ~ 15:00	岡山県	Okayama (Okayama	0.053
34	3/17 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.049
35	3/17 14:00 ~ 15:00	山口県	Yamaguchi (Yamagı	0.092
36	3/17 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.037
37	3/17 14:00 ~ 15:00	香川県	Kagawa (Takamatsı	0.053
38	3/17 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/17 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.025
40	3/17 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.039
42	3/17 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 14:00 ~ 15:00	大分県	Oita (Oita)	0.049
45	3/17 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.031
2	3/17 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.029
3	3/17 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.03
4	3/17 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	0.141
5	3/17 15:00 ~ 16:00	秋田県	Akita (Akita)	0.041
6	3/17 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.046
7	3/17 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/17 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.21
9	3/17 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.189
10	3/17 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.096
11	3/17 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.038
13	3/17 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-kı	0.05
14	3/17 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.046
16	3/17 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.05
17	3/17 15:00 ~ 16:00	石川県	Ishikawa (Kanazawa	0.05
18	3/17 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.045
19	3/17 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.077
21	3/17 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.044
23	3/17 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.049
25	3/17 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/17 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.041
27	3/17 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.044
28	3/17 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.04
29	3/17 15:00 ~ 16:00	奈良県	Nara (Nara)	0.048
30	3/17 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.035
31	3/17 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/17 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.036
33	3/17 15:00 ~ 16:00	岡山県	Okayama (Okayama	0.051
34	3/17 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.048
35	3/17 15:00 ~ 16:00	山口県	Yamaguchi (Yamagı	0.094
36	3/17 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.039
37	3/17 15:00 ~ 16:00	香川県	Kagawa (Takamatsı	0.055
38	3/17 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/17 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.025
40	3/17 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.04

42	3/17 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 15:00 ~ 16:00	大分県	Oita (Oita)	0.049
45	3/17 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.033
47	3/17 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.029
2	3/17 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.026
3	3/17 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.03
4	3/17 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	0.141
5	3/17 16:00 ~ 17:00	秋田県	Akita (Akita)	0.044
6	3/17 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.047
7	3/17 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/17 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.209
9	3/17 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.189
10	3/17 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	
11	3/17 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.062
12	3/17 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.037
13	3/17 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.053
15	3/17 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.046
16	3/17 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.052
17	3/17 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.05
18	3/17 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.05
19	3/17 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.077
21	3/17 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.043
23	3/17 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.049
25	3/17 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.039
27	3/17 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.043
28	3/17 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.039
29	3/17 16:00 ~ 17:00	奈良県	Nara (Nara)	0.048
30	3/17 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.034
31	3/17 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.061
32	3/17 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/17 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.049
34	3/17 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 16:00 ~ 17:00	山口県	Yamaguchi (Yamagu	0.099
36	3/17 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.045
37	3/17 16:00 ~ 17:00	香川県	Kagawa (Takamatsu	0.054
38	3/17 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/17 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.025
40	3/17 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.039
42	3/17 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/17 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 16:00 ~ 17:00	大分県	Oita (Oita)	0.049
45	3/17 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.027
2	3/17 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.024
3	3/17 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.031
4	3/17 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	

5	3/17 17:00 ~ 18:00	秋田県	Akita (Akita)	0.039
6	3/17 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.049
7	3/17 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/17 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.209
9	3/17 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.188
10	3/17 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.096
11	3/17 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.037
13	3/17 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.047
16	3/17 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.053
17	3/17 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.049
18	3/17 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.05
19	3/17 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.077
21	3/17 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/17 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.051
25	3/17 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.043
28	3/17 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047
30	3/17 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.033
31	3/17 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.059
32	3/17 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.036
33	3/17 17:00 ~ 18:00	岡山県	Okayama (Okayama	0.049
34	3/17 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.046
35	3/17 17:00 ~ 18:00	山口県	Yamaguchi (Yamagu	0.102
36	3/17 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.042
37	3/17 17:00 ~ 18:00	香川県	Kagawa (Takamatsu	0.053
38	3/17 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/17 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.026
40	3/17 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.039
42	3/17 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 17:00 ~ 18:00	大分県	Oita (Oita)	0.049
45	3/17 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.022
3	3/17 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.033
4	3/17 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/17 18:00 ~ 19:00	秋田県	Akita (Akita)	0.035
6	3/17 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.052
7	3/17 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/17 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.207
9	3/17 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.186
10	3/17 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.095
11	3/17 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	
12	3/17 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.037
13	3/17 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.052

15	3/17 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.046
16	3/17 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.049
17	3/17 18:00 ~ 19:00	石川県	Ishikawa (Kanazaw	0.048
18	3/17 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.047
19	3/17 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.077
21	3/17 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.05
25	3/17 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.042
28	3/17 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 18:00 ~ 19:00	奈良県	Nara (Nara)	0.047
30	3/17 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/17 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.036
33	3/17 18:00 ~ 19:00	岡山県	Okayama (Okayam	0.048
34	3/17 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 18:00 ~ 19:00	山口県	Yamaguchi (Yamag	0.096
36	3/17 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.04
37	3/17 18:00 ~ 19:00	香川県	Kagawa (Takamats	0.052
38	3/17 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/17 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.026
40	3/17 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/17 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 18:00 ~ 19:00	大分県	Oita (Oita)	0.049
45	3/17 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.029
2	3/17 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.021
3	3/17 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.031
4	3/17 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/17 19:00 ~ 20:00	秋田県	Akita (Akita)	0.034
6	3/17 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.047
7	3/17 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/17 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.207
9	3/17 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.187
10	3/17 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.095
11	3/17 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	
12	3/17 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.036
13	3/17 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.046
16	3/17 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.048
17	3/17 19:00 ~ 20:00	石川県	Ishikawa (Kanazaw	0.047
18	3/17 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.046
19	3/17 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.078
21	3/17 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.049

25	3/17 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/17 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.042
28	3/17 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 19:00 ~ 20:00	奈良県	Nara (Nara)	0.047
30	3/17 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/17 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.036
33	3/17 19:00 ~ 20:00	岡山県	Okayama (Okayam	0.048
34	3/17 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 19:00 ~ 20:00	山口県	Yamaguchi (Yamag	0.093
36	3/17 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.039
37	3/17 19:00 ~ 20:00	香川県	Kagawa (Takamats	0.052
38	3/17 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/17 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.025
40	3/17 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/17 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 19:00 ~ 20:00	大分県	Oita (Oita)	0.049
45	3/17 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.021
3	3/17 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.031
4	3/17 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/17 20:00 ~ 21:00	秋田県	Akita (Akita)	0.034
6	3/17 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.049
7	3/17 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/17 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.206
9	3/17 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.185
10	3/17 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.095
11	3/17 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	
12	3/17 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.036
13	3/17 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.046
16	3/17 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.051
17	3/17 20:00 ~ 21:00	石川県	Ishikawa (Kanazaw	0.049
18	3/17 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.047
19	3/17 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.078
21	3/17 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.048
25	3/17 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/17 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.039
27	3/17 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.042
28	3/17 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 20:00 ~ 21:00	奈良県	Nara (Nara)	0.047
30	3/17 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.057
32	3/17 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.036
33	3/17 20:00 ~ 21:00	岡山県	Okayama (Okayam	0.049
34	3/17 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.046

35	3/17 20:00 ~ 21:00	山口県	Yamaguchi (Yamagı	0.093
36	3/17 20:00 ~ 21:00	徳島県	Tokushima (Tokusl	0.038
37	3/17 20:00 ~ 21:00	香川県	Kagawa (Takamatsı	0.052
38	3/17 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/17 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.025
40	3/17 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.04
42	3/17 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 20:00 ~ 21:00	大分県	Oita (Oita)	0.049
45	3/17 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.027
2	3/17 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.02
3	3/17 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.03
4	3/17 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/17 21:00 ~ 22:00	秋田県	Akita (Akita)	0.036
6	3/17 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.05
7	3/17 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/17 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.205
9	3/17 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.185
10	3/17 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.094
11	3/17 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.036
13	3/17 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-kı	0.05
14	3/17 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.046
16	3/17 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.051
17	3/17 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.048
18	3/17 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.05
19	3/17 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.078
21	3/17 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.048
25	3/17 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/17 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/17 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 21:00 ~ 22:00	奈良県	Nara (Nara)	0.047
30	3/17 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/17 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.036
33	3/17 21:00 ~ 22:00	岡山県	Okayama (Okayama	0.049
34	3/17 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 21:00 ~ 22:00	山口県	Yamaguchi (Yamagı	0.093
36	3/17 21:00 ~ 22:00	徳島県	Tokushima (Tokusl	0.038
37	3/17 21:00 ~ 22:00	香川県	Kagawa (Takamatsı	0.052
38	3/17 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/17 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/17 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/17 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/17 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 21:00 ~ 22:00	大分県	Oita (Oita)	0.049

45	3/17 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.02
3	3/17 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.03
4	3/17 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/17 22:00 ~ 23:00	秋田県	Akita (Akita)	0.035
6	3/17 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.047
7	3/17 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/17 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.205
9	3/17 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.183
10	3/17 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.093
11	3/17 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.036
13	3/17 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.046
16	3/17 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.051
17	3/17 22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.047
18	3/17 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.047
19	3/17 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.079
21	3/17 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.048
25	3/17 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/17 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/17 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 22:00 ~ 23:00	奈良県	Nara (Nara)	0.047
30	3/17 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.06
32	3/17 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.036
33	3/17 22:00 ~ 23:00	岡山県	Okayama (Okayama	0.049
34	3/17 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 22:00 ~ 23:00	山口県	Yamaguchi (Yamagu	0.094
36	3/17 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/17 22:00 ~ 23:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/17 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/17 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/17 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 22:00 ~ 23:00	大分県	Oita (Oita)	0.049
45	3/17 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/17 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.02
3	3/17 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.03
4	3/17 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/17 22:00 ~ 23:00	秋田県	Akita (Akita)	0.035
6	3/17 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.047
7	3/17 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	

8	3/17 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.205
9	3/17 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.183
10	3/17 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.093
11	3/17 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.063
12	3/17 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.036
13	3/17 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.046
16	3/17 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.051
17	3/17 22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.047
18	3/17 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.047
19	3/17 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.079
21	3/17 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/17 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.048
25	3/17 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/17 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/17 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 22:00 ~ 23:00	奈良県	Nara (Nara)	0.047
30	3/17 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.06
32	3/17 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.036
33	3/17 22:00 ~ 23:00	岡山県	Okayama (Okayama	0.049
34	3/17 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/17 22:00 ~ 23:00	山口県	Yamaguchi (Yamagu	0.094
36	3/17 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/17 22:00 ~ 23:00	香川県	Kagawa (Takamatsu	0.052
38	3/17 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/17 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/17 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/17 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 22:00 ~ 23:00	大分県	Oita (Oita)	0.049
45	3/17 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/17 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.031
2	3/17 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.019
3	3/17 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.03
4	3/17 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/17 23:00 ~ 24:00	秋田県	Akita (Akita)	0.034
6	3/17 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.043
7	3/17 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/17 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.204
9	3/17 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.182
10	3/17 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.093
11	3/17 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.062
12	3/17 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.036
13	3/17 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/17 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/17 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.047
16	3/17 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.049
17	3/17 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.047

18	3/17 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.044
19	3/17 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.044
20	3/17 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.079
21	3/17 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/17 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/17 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.039
24	3/17 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.049
25	3/17 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/17 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.038
27	3/17 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.042
28	3/17 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.037
29	3/17 23:00 ~ 24:00	奈良県	Nara (Nara)	0.047
30	3/17 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/17 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/17 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.036
33	3/17 23:00 ~ 24:00	岡山県	Okayama (Okayam	0.049
34	3/17 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.048
35	3/17 23:00 ~ 24:00	山口県	Yamaguchi (Yamag	0.094
36	3/17 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.037
37	3/17 23:00 ~ 24:00	香川県	Kagawa (Takamats	0.052
38	3/17 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/17 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.025
40	3/17 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/17 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.041
42	3/17 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/17 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/17 23:00 ~ 24:00	大分県	Oita (Oita)	0.049
45	3/17 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/17 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/17 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.03
2	3/18 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.019
3	3/18 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.03
4	3/18 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/18 00:00 ~ 01:00	秋田県	Akita (Akita)	0.033
6	3/18 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.041
7	3/18 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/18 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.203
9	3/18 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.182
10	3/18 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.092
11	3/18 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.061
12	3/18 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/18 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/18 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.047
16	3/18 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.048
17	3/18 00:00 ~ 01:00	石川県	Ishikawa (Kanazaw	0.047
18	3/18 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.044
19	3/18 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.079
21	3/18 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.048
25	3/18 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/18 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.041
27	3/18 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.042

28	3/18 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 00:00 ~ 01:00	奈良県	Nara (Nara)	0.047
30	3/18 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.057
32	3/18 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.036
33	3/18 00:00 ~ 01:00	岡山県	Okayama (Okayam	0.049
34	3/18 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.049
35	3/18 00:00 ~ 01:00	山口県	Yamaguchi (Yamag	0.095
36	3/18 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/18 00:00 ~ 01:00	香川県	Kagawa (Takamats	0.052
38	3/18 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/18 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.025
40	3/18 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.041
42	3/18 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 00:00 ~ 01:00	大分県	Oita (Oita)	0.049
45	3/18 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.02
3	3/18 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.03
4	3/18 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/18 01:00 ~ 02:00	秋田県	Akita (Akita)	0.033
6	3/18 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.041
7	3/18 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/18 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.202
9	3/18 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.181
10	3/18 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.092
11	3/18 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.061
12	3/18 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/18 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/18 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.05
16	3/18 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.047
17	3/18 01:00 ~ 02:00	石川県	Ishikawa (Kanazaw	0.047
18	3/18 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.044
19	3/18 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.079
21	3/18 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.049
25	3/18 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/18 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.039
27	3/18 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.042
28	3/18 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 01:00 ~ 02:00	奈良県	Nara (Nara)	0.047
30	3/18 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.056
32	3/18 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.036
33	3/18 01:00 ~ 02:00	岡山県	Okayama (Okayam	0.05
34	3/18 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.05
35	3/18 01:00 ~ 02:00	山口県	Yamaguchi (Yamag	0.095
36	3/18 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/18 01:00 ~ 02:00	香川県	Kagawa (Takamats	0.052

38	3/18 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/18 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.026
40	3/18 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.041
42	3/18 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 01:00 ~ 02:00	大分県	Oita (Oita)	0.049
45	3/18 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.02
3	3/18 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.03
4	3/18 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/18 02:00 ~ 03:00	秋田県	Akita (Akita)	0.033
6	3/18 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.04
7	3/18 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/18 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.201
9	3/18 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.18
10	3/18 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.091
11	3/18 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.061
12	3/18 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/18 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.049
16	3/18 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.046
17	3/18 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.047
18	3/18 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.044
19	3/18 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.08
21	3/18 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.047
25	3/18 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/18 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/18 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 02:00 ~ 03:00	奈良県	Nara (Nara)	0.047
30	3/18 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.056
32	3/18 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.036
33	3/18 02:00 ~ 03:00	岡山県	Okayama (Okayama	0.05
34	3/18 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.05
35	3/18 02:00 ~ 03:00	山口県	Yamaguchi (Yamagu	0.096
36	3/18 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.038
37	3/18 02:00 ~ 03:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/18 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.026
40	3/18 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/18 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.041
42	3/18 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 02:00 ~ 03:00	大分県	Oita (Oita)	0.05
45	3/18 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021

1	3/18 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.029
2	3/18 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.019
3	3/18 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.03
4	3/18 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/18 03:00 ~ 04:00	秋田県	Akita (Akita)	0.033
6	3/18 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.04
7	3/18 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/18 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.201
9	3/18 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.179
10	3/18 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.091
11	3/18 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.061
12	3/18 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/18 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.051
15	3/18 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.047
16	3/18 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.046
17	3/18 03:00 ~ 04:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.044
19	3/18 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.078
21	3/18 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.042
28	3/18 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 03:00 ~ 04:00	奈良県	Nara (Nara)	0.047
30	3/18 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.057
32	3/18 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.036
33	3/18 03:00 ~ 04:00	岡山県	Okayama (Okayama	0.05
34	3/18 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.05
35	3/18 03:00 ~ 04:00	山口県	Yamaguchi (Yamagu	0.096
36	3/18 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.038
37	3/18 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/18 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.026
40	3/18 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.041
42	3/18 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/18 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.019
3	3/18 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.03
4	3/18 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/18 04:00 ~ 05:00	秋田県	Akita (Akita)	0.034
6	3/18 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.04
7	3/18 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/18 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.199
9	3/18 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.178
10	3/18 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.09

11	3/18 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.061
12	3/18 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.051
15	3/18 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.047
16	3/18 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.046
17	3/18 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.044
19	3/18 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.077
21	3/18 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.042
28	3/18 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 04:00 ~ 05:00	奈良県	Nara (Nara)	0.047
30	3/18 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.057
32	3/18 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.037
33	3/18 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.05
34	3/18 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.051
35	3/18 04:00 ~ 05:00	山口県	Yamaguchi (Yamagu	0.096
36	3/18 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.038
37	3/18 04:00 ~ 05:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.051
39	3/18 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.026
40	3/18 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.041
42	3/18 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 04:00 ~ 05:00	大分県	Oita (Oita)	0.05
45	3/18 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.019
3	3/18 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.03
4	3/18 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/18 05:00 ~ 06:00	秋田県	Akita (Akita)	0.033
6	3/18 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.04
7	3/18 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/18 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.199
9	3/18 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.177
10	3/18 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.09
11	3/18 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.06
12	3/18 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.052
15	3/18 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.046
16	3/18 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.046
17	3/18 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.043
19	3/18 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.076

21	3/18 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.042
28	3/18 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 05:00 ~ 06:00	奈良県	Nara (Nara)	0.047
30	3/18 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.057
32	3/18 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.038
33	3/18 05:00 ~ 06:00	岡山県	Okayama (Okayama	0.05
34	3/18 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.051
35	3/18 05:00 ~ 06:00	山口県	Yamaguchi (Yamagu	0.096
36	3/18 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.038
37	3/18 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/18 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.026
40	3/18 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.041
42	3/18 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 05:00 ~ 06:00	大分県	Oita (Oita)	0.051
45	3/18 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.019
3	3/18 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.031
4	3/18 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/18 06:00 ~ 07:00	秋田県	Akita (Akita)	0.033
6	3/18 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.04
7	3/18 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/18 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.198
9	3/18 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.175
10	3/18 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.089
11	3/18 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.06
12	3/18 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.051
15	3/18 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.046
16	3/18 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.046
17	3/18 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.043
19	3/18 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.075
21	3/18 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.042
28	3/18 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 06:00 ~ 07:00	奈良県	Nara (Nara)	0.047
30	3/18 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.031

31	3/18 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.039
33	3/18 06:00 ~ 07:00	岡山県	Okayama (Okayam	0.051
34	3/18 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.051
35	3/18 06:00 ~ 07:00	山口県	Yamaguchi (Yamag	0.097
36	3/18 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.038
37	3/18 06:00 ~ 07:00	香川県	Kagawa (Takamats	0.053
38	3/18 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/18 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.027
40	3/18 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/18 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.041
42	3/18 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/18 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 06:00 ~ 07:00	大分県	Oita (Oita)	0.051
45	3/18 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.02
3	3/18 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.031
4	3/18 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/18 07:00 ~ 08:00	秋田県	Akita (Akita)	0.034
6	3/18 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.04
7	3/18 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/18 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.197
9	3/18 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.175
10	3/18 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.089
11	3/18 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.06
12	3/18 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.036
13	3/18 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.051
15	3/18 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.046
16	3/18 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.046
17	3/18 07:00 ~ 08:00	石川県	Ishikawa (Kanazaw	0.046
18	3/18 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.043
19	3/18 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.074
21	3/18 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/18 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.042
28	3/18 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 07:00 ~ 08:00	奈良県	Nara (Nara)	0.047
30	3/18 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.039
33	3/18 07:00 ~ 08:00	岡山県	Okayama (Okayam	0.051
34	3/18 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.051
35	3/18 07:00 ~ 08:00	山口県	Yamaguchi (Yamag	0.097
36	3/18 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.038
37	3/18 07:00 ~ 08:00	香川県	Kagawa (Takamats	0.053
38	3/18 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/18 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.027
40	3/18 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.038

41	3/18 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.041
42	3/18 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 07:00 ~ 08:00	大分県	Oita (Oita)	0.051
45	3/18 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.02
3	3/18 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.03
4	3/18 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/18 08:00 ~ 09:00	秋田県	Akita (Akita)	0.034
6	3/18 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.04
7	3/18 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/18 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.195
9	3/18 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.175
10	3/18 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.088
11	3/18 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.059
12	3/18 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.035
13	3/18 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.051
15	3/18 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.045
16	3/18 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.047
17	3/18 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.044
19	3/18 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.043
20	3/18 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.073
21	3/18 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/18 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.042
28	3/18 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 08:00 ~ 09:00	奈良県	Nara (Nara)	0.046
30	3/18 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.038
33	3/18 08:00 ~ 09:00	岡山県	Okayama (Okayama	0.05
34	3/18 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.051
35	3/18 08:00 ~ 09:00	山口県	Yamaguchi (Yamagu	0.097
36	3/18 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.037
37	3/18 08:00 ~ 09:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/18 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.027
40	3/18 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.041
42	3/18 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/18 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 08:00 ~ 09:00	大分県	Oita (Oita)	0.051
45	3/18 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.02
3	3/18 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.029

4	3/18 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/18 09:00 ~ 10:00	秋田県	Akita (Akita)	0.034
6	3/18 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.04
7	3/18 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/18 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.195
9	3/18 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.172
10	3/18 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.087
11	3/18 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.059
12	3/18 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.035
13	3/18 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.051
15	3/18 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.046
16	3/18 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.047
17	3/18 09:00 ~ 10:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.043
19	3/18 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.043
20	3/18 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.072
21	3/18 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.042
28	3/18 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 09:00 ~ 10:00	奈良県	Nara (Nara)	0.047
30	3/18 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.037
33	3/18 09:00 ~ 10:00	岡山県	Okayama (Okayama	0.049
34	3/18 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.049
35	3/18 09:00 ~ 10:00	山口県	Yamaguchi (Yamagu	0.095
36	3/18 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.037
37	3/18 09:00 ~ 10:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.025
40	3/18 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.041
42	3/18 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/18 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/18 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.02
3	3/18 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.029
4	3/18 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/18 10:00 ~ 11:00	秋田県	Akita (Akita)	0.034
6	3/18 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.04
7	3/18 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/18 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.193
9	3/18 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.171
10	3/18 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.087
11	3/18 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.059
12	3/18 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.035
13	3/18 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.048

14	3/18 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.05
15	3/18 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.046
16	3/18 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.047
17	3/18 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.043
19	3/18 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.043
20	3/18 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.072
21	3/18 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.042
28	3/18 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 10:00 ~ 11:00	奈良県	Nara (Nara)	0.046
30	3/18 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.037
33	3/18 10:00 ~ 11:00	岡山県	Okayama (Okayama	0.048
34	3/18 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 10:00 ~ 11:00	山口県	Yamaguchi (Yamagu	0.093
36	3/18 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.037
37	3/18 10:00 ~ 11:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.024
40	3/18 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.04
42	3/18 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/18 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/18 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.02
3	3/18 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.028
4	3/18 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/18 11:00 ~ 12:00	秋田県	Akita (Akita)	0.033
6	3/18 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.04
7	3/18 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/18 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.192
9	3/18 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.17
10	3/18 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.086
11	3/18 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.059
12	3/18 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.05
15	3/18 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.046
16	3/18 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.047
17	3/18 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.043
19	3/18 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.071
21	3/18 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.038

24	3/18 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.042
28	3/18 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 11:00 ~ 12:00	奈良県	Nara (Nara)	0.047
30	3/18 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.036
33	3/18 11:00 ~ 12:00	岡山県	Okayama (Okayam	0.048
34	3/18 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 11:00 ~ 12:00	山口県	Yamaguchi (Yamag	0.093
36	3/18 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.037
37	3/18 11:00 ~ 12:00	香川県	Kagawa (Takamats	0.052
38	3/18 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.024
40	3/18 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.04
42	3/18 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/18 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.02
3	3/18 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.028
4	3/18 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/18 12:00 ~ 13:00	秋田県	Akita (Akita)	0.033
6	3/18 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.04
7	3/18 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/18 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.191
9	3/18 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.169
10	3/18 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.086
11	3/18 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.058
12	3/18 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/18 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.05
15	3/18 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.046
16	3/18 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.047
17	3/18 12:00 ~ 13:00	石川県	Ishikawa (Kanazaw	0.046
18	3/18 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.044
19	3/18 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.043
20	3/18 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.071
21	3/18 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.038
24	3/18 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.042
28	3/18 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 12:00 ~ 13:00	奈良県	Nara (Nara)	0.047
30	3/18 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.058
32	3/18 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.037
33	3/18 12:00 ~ 13:00	岡山県	Okayama (Okayam	0.048

34	3/18 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 12:00 ~ 13:00	山口県	Yamaguchi (Yamagı	0.092
36	3/18 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.037
37	3/18 12:00 ~ 13:00	香川県	Kagawa (Takamatsı	0.051
38	3/18 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.024
40	3/18 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.04
42	3/18 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 12:00 ~ 13:00	大分県	Oita (Oita)	0.05
45	3/18 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.02
3	3/18 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.028
4	3/18 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/18 13:00 ~ 14:00	秋田県	Akita (Akita)	0.034
6	3/18 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.039
7	3/18 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/18 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.19
9	3/18 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.168
10	3/18 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.086
11	3/18 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.058
12	3/18 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-kı	0.049
14	3/18 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.05
15	3/18 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.046
16	3/18 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.047
17	3/18 13:00 ~ 14:00	石川県	Ishikawa (Kanazaw	0.046
18	3/18 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.044
19	3/18 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.043
20	3/18 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.071
21	3/18 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/18 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.042
28	3/18 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 13:00 ~ 14:00	奈良県	Nara (Nara)	0.047
30	3/18 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.06
32	3/18 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.036
33	3/18 13:00 ~ 14:00	岡山県	Okayama (Okayam	0.048
34	3/18 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 13:00 ~ 14:00	山口県	Yamaguchi (Yamagı	0.092
36	3/18 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.037
37	3/18 13:00 ~ 14:00	香川県	Kagawa (Takamatsı	0.052
38	3/18 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.024
40	3/18 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.04
42	3/18 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.027

44	3/18	13:00 ~ 14:00	大分県	Oita (Oita) 0.05
45	3/18	13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki) 0.026
46	3/18	13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh 0.034
47	3/18	13:00 ~ 14:00	沖縄県	Okinawa (Uruma) 0.021
1	3/18	14:00 ~ 15:00	北海道	Hokkaido (Sapporo) 0.027
2	3/18	14:00 ~ 15:00	青森県	Aomori (Aomori) 0.019
3	3/18	14:00 ~ 15:00	岩手県	Iwate (Morioka) 0.028
4	3/18	14:00 ~ 15:00	宮城県	Miyagi (Sendai)
5	3/18	14:00 ~ 15:00	秋田県	Akita (Akita) 0.033
6	3/18	14:00 ~ 15:00	山形県	Yamagata (Yamaga 0.04
7	3/18	14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)
8	3/18	14:00 ~ 15:00	茨城県	Ibaraki (Mito) 0.189
9	3/18	14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya 0.167
10	3/18	14:00 ~ 15:00	群馬県	Gunma (Maebashi) 0.086
11	3/18	14:00 ~ 15:00	埼玉県	Saitama (Saitama) 0.058
12	3/18	14:00 ~ 15:00	千葉県	Chiba (Ichihara) 0.034
13	3/18	14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku 0.048
14	3/18	14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa 0.05
15	3/18	14:00 ~ 15:00	新潟県	Niigata (Niigata) 0.046
16	3/18	14:00 ~ 15:00	富山県	Toyama (Imizu) 0.047
17	3/18	14:00 ~ 15:00	石川県	Ishikawa (Kanazawa 0.046
18	3/18	14:00 ~ 15:00	福井県	Fukui (Fukui) 0.044
19	3/18	14:00 ~ 15:00	山梨県	Yamanashi (Kofu) 0.043
20	3/18	14:00 ~ 15:00	長野県	Nagano (Nagano) 0.071
21	3/18	14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara 0.06
22	3/18	14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka 0.037
23	3/18	14:00 ~ 15:00	愛知県	Aichi (Nagoya) 0.039
24	3/18	14:00 ~ 15:00	三重県	Mie (Yokkaichi) 0.045
25	3/18	14:00 ~ 15:00	滋賀県	Shiga (Ohtsu) 0.032
26	3/18	14:00 ~ 15:00	京都府	Kyoto (Kyoto) 0.037
27	3/18	14:00 ~ 15:00	大阪府	Osaka (Osaka) 0.042
28	3/18	14:00 ~ 15:00	兵庫県	Hyogo (Kobe) 0.036
29	3/18	14:00 ~ 15:00	奈良県	Nara (Nara) 0.047
30	3/18	14:00 ~ 15:00	和歌山県	Wakayama (Wakaya 0.031
31	3/18	14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g 0.061
32	3/18	14:00 ~ 15:00	島根県	Shimane (Matsue) 0.037
33	3/18	14:00 ~ 15:00	岡山県	Okayama (Okayama 0.048
34	3/18	14:00 ~ 15:00	広島県	Hiroshima (Hiroshin 0.047
35	3/18	14:00 ~ 15:00	山口県	Yamaguchi (Yamagu 0.092
36	3/18	14:00 ~ 15:00	徳島県	Tokushima (Tokush 0.037
37	3/18	14:00 ~ 15:00	香川県	Kagawa (Takamatsu 0.052
38	3/18	14:00 ~ 15:00	愛媛県	Ehime (Matsuyama) 0.047
39	3/18	14:00 ~ 15:00	高知県	Kochi (Kochi) 0.024
40	3/18	14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu) 0.036
41	3/18	14:00 ~ 15:00	佐賀県	Saga (Saga) 0.04
42	3/18	14:00 ~ 15:00	長崎県	Nagasaki (Ohmura) 0.029
43	3/18	14:00 ~ 15:00	熊本県	Kumamoto (Uto) 0.027
44	3/18	14:00 ~ 15:00	大分県	Oita (Oita) 0.05
45	3/18	14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki) 0.026
46	3/18	14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh 0.034
47	3/18	14:00 ~ 15:00	沖縄県	Okinawa (Uruma) 0.02
1	3/18	15:00 ~ 16:00	北海道	Hokkaido (Sapporo) 0.027
2	3/18	15:00 ~ 16:00	青森県	Aomori (Aomori) 0.019
3	3/18	15:00 ~ 16:00	岩手県	Iwate (Morioka) 0.028
4	3/18	15:00 ~ 16:00	宮城県	Miyagi (Sendai)
5	3/18	15:00 ~ 16:00	秋田県	Akita (Akita) 0.034
6	3/18	15:00 ~ 16:00	山形県	Yamagata (Yamaga 0.04

7	3/18	15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)
8	3/18	15:00 ~ 16:00	茨城県	Ibaraki (Mito) 0.188
9	3/18	15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya 0.166
10	3/18	15:00 ~ 16:00	群馬県	Gunma (Maebashi) 0.085
11	3/18	15:00 ~ 16:00	埼玉県	Saitama (Saitama)
12	3/18	15:00 ~ 16:00	千葉県	Chiba (Ichihara) 0.034
13	3/18	15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku 0.048
14	3/18	15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa 0.05
15	3/18	15:00 ~ 16:00	新潟県	Niigata (Niigata) 0.046
16	3/18	15:00 ~ 16:00	富山県	Toyama (Imizu) 0.047
17	3/18	15:00 ~ 16:00	石川県	Ishikawa (Kanazawa 0.046
18	3/18	15:00 ~ 16:00	福井県	Fukui (Fukui) 0.044
19	3/18	15:00 ~ 16:00	山梨県	Yamanashi (Kofu) 0.043
20	3/18	15:00 ~ 16:00	長野県	Nagano (Nagano) 0.071
21	3/18	15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara 0.06
22	3/18	15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka 0.037
23	3/18	15:00 ~ 16:00	愛知県	Aichi (Nagoya) 0.039
24	3/18	15:00 ~ 16:00	三重県	Mie (Yokkaichi) 0.045
25	3/18	15:00 ~ 16:00	滋賀県	Shiga (Ohtsu) 0.032
26	3/18	15:00 ~ 16:00	京都府	Kyoto (Kyoto) 0.037
27	3/18	15:00 ~ 16:00	大阪府	Osaka (Osaka) 0.042
28	3/18	15:00 ~ 16:00	兵庫県	Hyogo (Kobe) 0.036
29	3/18	15:00 ~ 16:00	奈良県	Nara (Nara) 0.047
30	3/18	15:00 ~ 16:00	和歌山県	Wakayama (Wakaya 0.031
31	3/18	15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g 0.062
32	3/18	15:00 ~ 16:00	島根県	Shimane (Matsue) 0.036
33	3/18	15:00 ~ 16:00	岡山県	Okayama (Okayama 0.048
34	3/18	15:00 ~ 16:00	広島県	Hiroshima (Hiroshin 0.046
35	3/18	15:00 ~ 16:00	山口県	Yamaguchi (Yamagu 0.092
36	3/18	15:00 ~ 16:00	徳島県	Tokushima (Tokush 0.037
37	3/18	15:00 ~ 16:00	香川県	Kagawa (Takamatsu 0.051
38	3/18	15:00 ~ 16:00	愛媛県	Ehime (Matsuyama) 0.047
39	3/18	15:00 ~ 16:00	高知県	Kochi (Kochi) 0.024
40	3/18	15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu) 0.036
41	3/18	15:00 ~ 16:00	佐賀県	Saga (Saga) 0.04
42	3/18	15:00 ~ 16:00	長崎県	Nagasaki (Ohmura) 0.029
43	3/18	15:00 ~ 16:00	熊本県	Kumamoto (Uto) 0.027
44	3/18	15:00 ~ 16:00	大分県	Oita (Oita) 0.05
45	3/18	15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki) 0.026
46	3/18	15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh 0.034
47	3/18	15:00 ~ 16:00	沖縄県	Okinawa (Uruma) 0.021
1	3/18	16:00 ~ 17:00	北海道	Hokkaido (Sapporo) 0.027
2	3/18	16:00 ~ 17:00	青森県	Aomori (Aomori) 0.019
3	3/18	16:00 ~ 17:00	岩手県	Iwate (Morioka) 0.028
4	3/18	16:00 ~ 17:00	宮城県	Miyagi (Sendai)
5	3/18	16:00 ~ 17:00	秋田県	Akita (Akita) 0.033
6	3/18	16:00 ~ 17:00	山形県	Yamagata (Yamaga 0.04
7	3/18	16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)
8	3/18	16:00 ~ 17:00	茨城県	Ibaraki (Mito) 0.187
9	3/18	16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya 0.165
10	3/18	16:00 ~ 17:00	群馬県	Gunma (Maebashi) 0.085
11	3/18	16:00 ~ 17:00	埼玉県	Saitama (Saitama)
12	3/18	16:00 ~ 17:00	千葉県	Chiba (Ichihara) 0.034
13	3/18	16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku 0.048
14	3/18	16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa 0.05
15	3/18	16:00 ~ 17:00	新潟県	Niigata (Niigata) 0.046
16	3/18	16:00 ~ 17:00	富山県	Toyama (Imizu) 0.047

17	3/18 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.045
19	3/18 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.071
21	3/18 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/18 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.045
25	3/18 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/18 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.042
28	3/18 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 16:00 ~ 17:00	奈良県	Nara (Nara)	0.047
30	3/18 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/18 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/18 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.048
34	3/18 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.046
35	3/18 16:00 ~ 17:00	山口県	Yamaguchi (Yamagu	0.092
36	3/18 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.037
37	3/18 16:00 ~ 17:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.024
40	3/18 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.04
42	3/18 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 16:00 ~ 17:00	大分県	Oita (Oita)	0.05
45	3/18 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.02
1	3/18 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.019
3	3/18 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.028
4	3/18 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/18 17:00 ~ 18:00	秋田県	Akita (Akita)	0.034
6	3/18 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.039
7	3/18 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/18 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.186
9	3/18 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.165
10	3/18 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.084
11	3/18 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	
12	3/18 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/18 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.05
15	3/18 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.046
16	3/18 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.047
17	3/18 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.045
19	3/18 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.071
21	3/18 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/18 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/18 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.037

27	3/18 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.042
28	3/18 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.036
29	3/18 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047
30	3/18 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.036
33	3/18 17:00 ~ 18:00	岡山県	Okayama (Okayam	0.048
34	3/18 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.046
35	3/18 17:00 ~ 18:00	山口県	Yamaguchi (Yamag	0.092
36	3/18 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.037
37	3/18 17:00 ~ 18:00	香川県	Kagawa (Takamats	0.052
38	3/18 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.024
40	3/18 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04
42	3/18 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 17:00 ~ 18:00	大分県	Oita (Oita)	0.05
45	3/18 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.019
3	3/18 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.028
4	3/18 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/18 18:00 ~ 19:00	秋田県	Akita (Akita)	0.034
6	3/18 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.039
7	3/18 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/18 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.186
9	3/18 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.165
10	3/18 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.084
11	3/18 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.058
12	3/18 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.048
14	3/18 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.05
15	3/18 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.046
16	3/18 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.047
17	3/18 18:00 ~ 19:00	石川県	Ishikawa (Kanazaw	0.046
18	3/18 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.045
19	3/18 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.071
21	3/18 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/18 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.037
27	3/18 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.042
28	3/18 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 18:00 ~ 19:00	奈良県	Nara (Nara)	0.047
30	3/18 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.037
33	3/18 18:00 ~ 19:00	岡山県	Okayama (Okayam	0.048
34	3/18 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/18 18:00 ~ 19:00	山口県	Yamaguchi (Yamag	0.093
36	3/18 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.037

37	3/18	18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/18	18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18	18:00 ~ 19:00	高知県	Kochi (Kochi)	0.024
40	3/18	18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18	18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/18	18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18	18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/18	18:00 ~ 19:00	大分県	Oita (Oita)	0.05
45	3/18	18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18	18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18	18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18	19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18	19:00 ~ 20:00	青森県	Aomori (Aomori)	0.019
3	3/18	19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.028
4	3/18	19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/18	19:00 ~ 20:00	秋田県	Akita (Akita)	0.034
6	3/18	19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.04
7	3/18	19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/18	19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.185
9	3/18	19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.164
10	3/18	19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.083
11	3/18	19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.058
12	3/18	19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.034
13	3/18	19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/18	19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/18	19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.046
16	3/18	19:00 ~ 20:00	富山県	Toyama (Imizu)	0.047
17	3/18	19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.046
18	3/18	19:00 ~ 20:00	福井県	Fukui (Fukui)	0.045
19	3/18	19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18	19:00 ~ 20:00	長野県	Nagano (Nagano)	0.072
21	3/18	19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18	19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/18	19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.038
24	3/18	19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.046
25	3/18	19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18	19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/18	19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.042
28	3/18	19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18	19:00 ~ 20:00	奈良県	Nara (Nara)	0.047
30	3/18	19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18	19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18	19:00 ~ 20:00	島根県	Shimane (Matsue)	0.037
33	3/18	19:00 ~ 20:00	岡山県	Okayama (Okayama	0.048
34	3/18	19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/18	19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.092
36	3/18	19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.037
37	3/18	19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.052
38	3/18	19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/18	19:00 ~ 20:00	高知県	Kochi (Kochi)	0.024
40	3/18	19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18	19:00 ~ 20:00	佐賀県	Saga (Saga)	0.039
42	3/18	19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18	19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/18	19:00 ~ 20:00	大分県	Oita (Oita)	0.05
45	3/18	19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18	19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.034

47	3/18 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.02
1	3/18 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.019
3	3/18 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.028
4	3/18 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/18 20:00 ~ 21:00	秋田県	Akita (Akita)	0.034
6	3/18 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.04
7	3/18 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/18 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.185
9	3/18 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.164
10	3/18 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.083
11	3/18 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.058
12	3/18 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/18 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/18 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.046
16	3/18 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.047
17	3/18 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.047
18	3/18 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.045
19	3/18 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.071
21	3/18 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/18 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/18 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.042
28	3/18 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 20:00 ~ 21:00	奈良県	Nara (Nara)	0.047
30	3/18 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.037
33	3/18 20:00 ~ 21:00	岡山県	Okayama (Okayama	0.048
34	3/18 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.046
35	3/18 20:00 ~ 21:00	山口県	Yamaguchi (Yamagu	0.093
36	3/18 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.037
37	3/18 20:00 ~ 21:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/18 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.025
40	3/18 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.039
42	3/18 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 20:00 ~ 21:00	大分県	Oita (Oita)	0.05
45	3/18 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.027
2	3/18 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.019
3	3/18 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.028
4	3/18 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/18 21:00 ~ 22:00	秋田県	Akita (Akita)	0.034
6	3/18 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.04
7	3/18 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/18 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.184
9	3/18 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.164

10	3/18 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.083
11	3/18 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.057
12	3/18 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/18 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/18 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.046
16	3/18 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.047
17	3/18 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.047
18	3/18 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.045
19	3/18 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.072
21	3/18 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/18 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/18 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/18 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/18 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 21:00 ~ 22:00	奈良県	Nara (Nara)	0.047
30	3/18 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.031
31	3/18 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.037
33	3/18 21:00 ~ 22:00	岡山県	Okayama (Okayama	0.048
34	3/18 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 21:00 ~ 22:00	山口県	Yamaguchi (Yamagu	0.093
36	3/18 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/18 21:00 ~ 22:00	香川県	Kagawa (Takamatsu	0.052
38	3/18 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/18 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/18 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/18 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/18 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/18 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/18 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/18 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.019
3	3/18 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.028
4	3/18 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/18 22:00 ~ 23:00	秋田県	Akita (Akita)	0.034
6	3/18 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.04
7	3/18 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/18 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.184
9	3/18 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.163
10	3/18 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.083
11	3/18 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.057
12	3/18 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/18 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/18 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.046
16	3/18 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.048
17	3/18 22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.047
18	3/18 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.046
19	3/18 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.044

20	3/18 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.072
21	3/18 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/18 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/18 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/18 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.038
27	3/18 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/18 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 22:00 ~ 23:00	奈良県	Nara (Nara)	0.047
30	3/18 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.038
33	3/18 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.048
34	3/18 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 22:00 ~ 23:00	山口県	Yamaguchi (Yamag	0.093
36	3/18 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/18 22:00 ~ 23:00	香川県	Kagawa (Takamats	0.053
38	3/18 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/18 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/18 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/18 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 22:00 ~ 23:00	大分県	Oita (Oita)	0.051
45	3/18 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/18 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/18 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/18 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.019
3	3/18 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.028
4	3/18 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/18 23:00 ~ 24:00	秋田県	Akita (Akita)	0.034
6	3/18 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.04
7	3/18 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/18 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.183
9	3/18 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.163
10	3/18 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.083
11	3/18 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.058
12	3/18 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.034
13	3/18 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/18 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/18 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.046
16	3/18 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.048
17	3/18 23:00 ~ 24:00	石川県	Ishikawa (Kanazaw	0.047
18	3/18 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.046
19	3/18 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.044
20	3/18 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.072
21	3/18 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/18 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/18 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.039
24	3/18 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.046
25	3/18 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/18 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.039
27	3/18 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.042
28	3/18 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.037
29	3/18 23:00 ~ 24:00	奈良県	Nara (Nara)	0.048

30	3/18 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/18 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/18 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.038
33	3/18 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.049
34	3/18 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.047
35	3/18 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.094
36	3/18 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.038
37	3/18 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.053
38	3/18 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/18 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.026
40	3/18 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/18 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/18 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/18 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.028
44	3/18 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/18 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/18 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/18 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.027
2	3/19 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.019
3	3/19 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.028
4	3/19 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/19 00:00 ~ 01:00	秋田県	Akita (Akita)	0.034
6	3/19 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.04
7	3/19 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/19 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.183
9	3/19 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.162
10	3/19 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.084
11	3/19 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.058
12	3/19 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.034
13	3/19 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.046
16	3/19 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.048
17	3/19 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.045
19	3/19 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.072
21	3/19 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/19 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.042
28	3/19 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/19 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.033
31	3/19 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.038
33	3/19 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.049
34	3/19 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.047
35	3/19 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.094
36	3/19 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/19 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.053
38	3/19 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.026

40	3/19 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.041
42	3/19 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 00:00 ~ 01:00	大分県	Oita (Oita)	0.051
45	3/19 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.02
3	3/19 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.028
4	3/19 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/19 01:00 ~ 02:00	秋田県	Akita (Akita)	0.034
6	3/19 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.04
7	3/19 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/19 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.182
9	3/19 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.161
10	3/19 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.084
11	3/19 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.058
12	3/19 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.034
13	3/19 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.047
16	3/19 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.049
17	3/19 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.048
18	3/19 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.046
19	3/19 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.072
21	3/19 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.047
25	3/19 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/19 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.042
28	3/19 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 01:00 ~ 02:00	奈良県	Nara (Nara)	0.048
30	3/19 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.033
31	3/19 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/19 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.038
33	3/19 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.049
34	3/19 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.048
35	3/19 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.095
36	3/19 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/19 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.053
38	3/19 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.026
40	3/19 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.041
42	3/19 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.028
44	3/19 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/19 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.02
1	3/19 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.027
2	3/19 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.019

3	3/19 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.028
4	3/19 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/19 02:00 ~ 03:00	秋田県	Akita (Akita)	0.034
6	3/19 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.04
7	3/19 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/19 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.182
9	3/19 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.161
10	3/19 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.083
11	3/19 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.057
12	3/19 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.047
16	3/19 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.049
17	3/19 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.048
18	3/19 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.046
19	3/19 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.072
21	3/19 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.04
24	3/19 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.047
25	3/19 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/19 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.042
28	3/19 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 02:00 ~ 03:00	奈良県	Nara (Nara)	0.048
30	3/19 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.033
31	3/19 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.038
33	3/19 02:00 ~ 03:00	岡山県	Okayama (Okayama	0.049
34	3/19 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.049
35	3/19 02:00 ~ 03:00	山口県	Yamaguchi (Yamagu	0.095
36	3/19 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.038
37	3/19 02:00 ~ 03:00	香川県	Kagawa (Takamatsu	0.053
38	3/19 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.027
40	3/19 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.041
42	3/19 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.028
44	3/19 02:00 ~ 03:00	大分県	Oita (Oita)	0.051
45	3/19 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.027
2	3/19 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.02
3	3/19 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.028
4	3/19 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/19 03:00 ~ 04:00	秋田県	Akita (Akita)	0.034
6	3/19 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.04
7	3/19 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/19 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.181
9	3/19 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.16
10	3/19 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.082
11	3/19 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.058
12	3/19 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.033

13	3/19 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.048
14	3/19 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.047
16	3/19 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.049
17	3/19 03:00 ~ 04:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.046
19	3/19 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.072
21	3/19 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/19 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/19 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.041
24	3/19 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/19 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.042
28	3/19 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 03:00 ~ 04:00	奈良県	Nara (Nara)	0.048
30	3/19 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.033
31	3/19 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.037
33	3/19 03:00 ~ 04:00	岡山県	Okayama (Okayama	0.05
34	3/19 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.049
35	3/19 03:00 ~ 04:00	山口県	Yamaguchi (Yamagu	0.096
36	3/19 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.038
37	3/19 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.054
38	3/19 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.027
40	3/19 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.041
42	3/19 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.028
44	3/19 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/19 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.019
3	3/19 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.028
4	3/19 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/19 04:00 ~ 05:00	秋田県	Akita (Akita)	0.034
6	3/19 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.04
7	3/19 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/19 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.18
9	3/19 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.159
10	3/19 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.083
11	3/19 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.058
12	3/19 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.047
16	3/19 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.048
17	3/19 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.048
18	3/19 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.046
19	3/19 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.045
20	3/19 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.071
21	3/19 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/19 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.037

23	3/19 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.041
24	3/19 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/19 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.043
28	3/19 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 04:00 ~ 05:00	奈良県	Nara (Nara)	0.048
30	3/19 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.033
31	3/19 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.037
33	3/19 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.05
34	3/19 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.05
35	3/19 04:00 ~ 05:00	山口県	Yamaguchi (Yamagu	0.095
36	3/19 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.038
37	3/19 04:00 ~ 05:00	香川県	Kagawa (Takamatsu	0.054
38	3/19 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.027
40	3/19 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.041
42	3/19 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.028
44	3/19 04:00 ~ 05:00	大分県	Oita (Oita)	0.05
45	3/19 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/19 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.02
3	3/19 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.028
4	3/19 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/19 05:00 ~ 06:00	秋田県	Akita (Akita)	0.034
6	3/19 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.04
7	3/19 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/19 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.18
9	3/19 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.159
10	3/19 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.082
11	3/19 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.058
12	3/19 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.047
16	3/19 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.048
17	3/19 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.046
19	3/19 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.045
20	3/19 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.071
21	3/19 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/19 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/19 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.041
24	3/19 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/19 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.043
28	3/19 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 05:00 ~ 06:00	奈良県	Nara (Nara)	0.048
30	3/19 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.037

33	3/19 05:00 ~ 06:00	岡山県	Okayama (Okayam	0.05
34	3/19 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.05
35	3/19 05:00 ~ 06:00	山口県	Yamaguchi (Yamag	0.096
36	3/19 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.039
37	3/19 05:00 ~ 06:00	香川県	Kagawa (Takamats	0.054
38	3/19 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.027
40	3/19 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.041
42	3/19 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 05:00 ~ 06:00	大分県	Oita (Oita)	0.05
45	3/19 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.027
2	3/19 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.019
3	3/19 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.028
4	3/19 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/19 06:00 ~ 07:00	秋田県	Akita (Akita)	0.034
6	3/19 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.04
7	3/19 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/19 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.18
9	3/19 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.157
10	3/19 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.083
11	3/19 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.058
12	3/19 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.047
16	3/19 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.048
17	3/19 06:00 ~ 07:00	石川県	Ishikawa (Kanazaw	0.047
18	3/19 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.046
19	3/19 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.045
20	3/19 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.071
21	3/19 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/19 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/19 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.042
24	3/19 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/19 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.04
27	3/19 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.044
28	3/19 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.038
29	3/19 06:00 ~ 07:00	奈良県	Nara (Nara)	0.049
30	3/19 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.033
31	3/19 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.037
33	3/19 06:00 ~ 07:00	岡山県	Okayama (Okayam	0.05
34	3/19 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.05
35	3/19 06:00 ~ 07:00	山口県	Yamaguchi (Yamag	0.096
36	3/19 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.039
37	3/19 06:00 ~ 07:00	香川県	Kagawa (Takamats	0.054
38	3/19 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.027
40	3/19 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.041
42	3/19 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.029

43	3/19 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 06:00 ~ 07:00	大分県	Oita (Oita)	0.05
45	3/19 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.02
3	3/19 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.028
4	3/19 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/19 07:00 ~ 08:00	秋田県	Akita (Akita)	0.034
6	3/19 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.04
7	3/19 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/19 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.178
9	3/19 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.156
10	3/19 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.083
11	3/19 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.057
12	3/19 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.048
14	3/19 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.047
16	3/19 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.047
17	3/19 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.046
18	3/19 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.046
19	3/19 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.045
20	3/19 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.071
21	3/19 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/19 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.042
24	3/19 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/19 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.04
27	3/19 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/19 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.038
29	3/19 07:00 ~ 08:00	奈良県	Nara (Nara)	0.048
30	3/19 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.036
33	3/19 07:00 ~ 08:00	岡山県	Okayama (Okayama	0.05
34	3/19 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.05
35	3/19 07:00 ~ 08:00	山口県	Yamaguchi (Yamagu	0.096
36	3/19 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.039
37	3/19 07:00 ~ 08:00	香川県	Kagawa (Takamatsu	0.055
38	3/19 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.027
40	3/19 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.041
42	3/19 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.028
44	3/19 07:00 ~ 08:00	大分県	Oita (Oita)	0.05
45	3/19 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.027
2	3/19 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.019
3	3/19 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.028
4	3/19 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/19 08:00 ~ 09:00	秋田県	Akita (Akita)	0.034

6	3/19 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.04
7	3/19 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/19 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.177
9	3/19 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.155
10	3/19 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.081
11	3/19 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.057
12	3/19 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.047
16	3/19 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.047
17	3/19 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.045
19	3/19 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.045
20	3/19 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.07
21	3/19 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/19 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.042
24	3/19 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/19 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.04
27	3/19 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.044
28	3/19 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.038
29	3/19 08:00 ~ 09:00	奈良県	Nara (Nara)	0.048
30	3/19 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.036
33	3/19 08:00 ~ 09:00	岡山県	Okayama (Okayama	0.051
34	3/19 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.05
35	3/19 08:00 ~ 09:00	山口県	Yamaguchi (Yamagu	0.096
36	3/19 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.039
37	3/19 08:00 ~ 09:00	香川県	Kagawa (Takamatsu	0.053
38	3/19 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.027
40	3/19 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.041
42	3/19 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/19 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 08:00 ~ 09:00	大分県	Oita (Oita)	0.051
45	3/19 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.027
2	3/19 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.02
3	3/19 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.027
4	3/19 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/19 09:00 ~ 10:00	秋田県	Akita (Akita)	0.034
6	3/19 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.04
7	3/19 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/19 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.176
9	3/19 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.154
10	3/19 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.08
11	3/19 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.057
12	3/19 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.048
14	3/19 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/19 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.047

16	3/19 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.047
17	3/19 09:00 ~ 10:00	石川県	Ishikawa (Kanazawa	0.046
18	3/19 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.045
19	3/19 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.069
21	3/19 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/19 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.041
24	3/19 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/19 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.043
28	3/19 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 09:00 ~ 10:00	奈良県	Nara (Nara)	0.048
30	3/19 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.036
33	3/19 09:00 ~ 10:00	岡山県	Okayama (Okayama	0.049
34	3/19 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.05
35	3/19 09:00 ~ 10:00	山口県	Yamaguchi (Yamagu	0.094
36	3/19 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.039
37	3/19 09:00 ~ 10:00	香川県	Kagawa (Takamatsu	0.053
38	3/19 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.026
40	3/19 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/19 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/19 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.02
3	3/19 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.027
4	3/19 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/19 10:00 ~ 11:00	秋田県	Akita (Akita)	0.034
6	3/19 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.04
7	3/19 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/19 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.174
9	3/19 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.153
10	3/19 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.079
11	3/19 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.056
12	3/19 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.047
16	3/19 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.047
17	3/19 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.046
18	3/19 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.045
19	3/19 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.069
21	3/19 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/19 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.04
24	3/19 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.033

26	3/19 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.043
28	3/19 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 10:00 ~ 11:00	奈良県	Nara (Nara)	0.048
30	3/19 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.036
33	3/19 10:00 ~ 11:00	岡山県	Okayama (Okayam	0.049
34	3/19 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.048
35	3/19 10:00 ~ 11:00	山口県	Yamaguchi (Yamag	0.093
36	3/19 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.039
37	3/19 10:00 ~ 11:00	香川県	Kagawa (Takamats	0.053
38	3/19 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.025
40	3/19 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.04
42	3/19 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/19 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.021
3	3/19 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.027
4	3/19 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/19 11:00 ~ 12:00	秋田県	Akita (Akita)	0.035
6	3/19 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.04
7	3/19 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/19 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.173
9	3/19 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.152
10	3/19 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.078
11	3/19 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.056
12	3/19 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.046
16	3/19 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.047
17	3/19 11:00 ~ 12:00	石川県	Ishikawa (Kanazaw	0.046
18	3/19 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.045
19	3/19 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.068
21	3/19 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/19 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.04
24	3/19 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.042
28	3/19 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19 11:00 ~ 12:00	奈良県	Nara (Nara)	0.048
30	3/19 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.036
33	3/19 11:00 ~ 12:00	岡山県	Okayama (Okayam	0.049
34	3/19 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.048
35	3/19 11:00 ~ 12:00	山口県	Yamaguchi (Yamag	0.092

36	3/19 11:00 ~ 12:00	徳島県	Tokushima (Tokusl	0.038
37	3/19 11:00 ~ 12:00	香川県	Kagawa (Takamatsı	0.052
38	3/19 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.046
39	3/19 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.025
40	3/19 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/19 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.04
42	3/19 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/19 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.023
3	3/19 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.028
4	3/19 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/19 12:00 ~ 13:00	秋田県	Akita (Akita)	0.035
6	3/19 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.04
7	3/19 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/19 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.172
9	3/19 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.151
10	3/19 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.077
11	3/19 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.047
16	3/19 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.047
17	3/19 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.044
19	3/19 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.067
21	3/19 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/19 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.043
28	3/19 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19 12:00 ~ 13:00	奈良県	Nara (Nara)	0.047
30	3/19 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.036
33	3/19 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.048
34	3/19 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/19 12:00 ~ 13:00	山口県	Yamaguchi (Yamagı	0.092
36	3/19 12:00 ~ 13:00	徳島県	Tokushima (Tokusl	0.038
37	3/19 12:00 ~ 13:00	香川県	Kagawa (Takamatsı	0.052
38	3/19 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.046
39	3/19 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.025
40	3/19 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.04
42	3/19 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.026
44	3/19 12:00 ~ 13:00	大分県	Oita (Oita)	0.05
45	3/19 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026

46	3/19 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.024
3	3/19 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.031
4	3/19 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/19 13:00 ~ 14:00	秋田県	Akita (Akita)	0.035
6	3/19 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.041
7	3/19 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/19 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.171
9	3/19 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.15
10	3/19 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.077
11	3/19 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.046
16	3/19 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.047
17	3/19 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.046
18	3/19 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.045
19	3/19 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.067
21	3/19 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/19 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.042
28	3/19 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19 13:00 ~ 14:00	奈良県	Nara (Nara)	0.047
30	3/19 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.036
33	3/19 13:00 ~ 14:00	岡山県	Okayama (Okayama	0.048
34	3/19 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19 13:00 ~ 14:00	山口県	Yamaguchi (Yamagu	0.092
36	3/19 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.038
37	3/19 13:00 ~ 14:00	香川県	Kagawa (Takamatsu	0.052
38	3/19 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.046
39	3/19 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.025
40	3/19 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.04
42	3/19 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.026
44	3/19 13:00 ~ 14:00	大分県	Oita (Oita)	0.05
45	3/19 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.02
1	3/19 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.021
3	3/19 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.031
4	3/19 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/19 14:00 ~ 15:00	秋田県	Akita (Akita)	0.034
6	3/19 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.044
7	3/19 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/19 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.171

9	3/19	14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.149
10	3/19	14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.077
11	3/19	14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.055
12	3/19	14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.033
13	3/19	14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.047
14	3/19	14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19	14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.046
16	3/19	14:00 ~ 15:00	富山県	Toyama (Imizu)	0.047
17	3/19	14:00 ~ 15:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19	14:00 ~ 15:00	福井県	Fukui (Fukui)	0.044
19	3/19	14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.043
20	3/19	14:00 ~ 15:00	長野県	Nagano (Nagano)	0.066
21	3/19	14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19	14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/19	14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.039
24	3/19	14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.046
25	3/19	14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19	14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.037
27	3/19	14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.042
28	3/19	14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19	14:00 ~ 15:00	奈良県	Nara (Nara)	0.047
30	3/19	14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19	14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19	14:00 ~ 15:00	島根県	Shimane (Matsue)	0.036
33	3/19	14:00 ~ 15:00	岡山県	Okayama (Okayama	0.048
34	3/19	14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19	14:00 ~ 15:00	山口県	Yamaguchi (Yamagu	0.092
36	3/19	14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.038
37	3/19	14:00 ~ 15:00	香川県	Kagawa (Takamatsu	0.051
38	3/19	14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19	14:00 ~ 15:00	高知県	Kochi (Kochi)	0.025
40	3/19	14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19	14:00 ~ 15:00	佐賀県	Saga (Saga)	0.04
42	3/19	14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19	14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.026
44	3/19	14:00 ~ 15:00	大分県	Oita (Oita)	0.049
45	3/19	14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19	14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19	14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19	15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19	15:00 ~ 16:00	青森県	Aomori (Aomori)	0.021
3	3/19	15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.029
4	3/19	15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/19	15:00 ~ 16:00	秋田県	Akita (Akita)	0.034
6	3/19	15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.045
7	3/19	15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/19	15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.171
9	3/19	15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/19	15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.076
11	3/19	15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.055
12	3/19	15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.033
13	3/19	15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19	15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19	15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.046
16	3/19	15:00 ~ 16:00	富山県	Toyama (Imizu)	0.047
17	3/19	15:00 ~ 16:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19	15:00 ~ 16:00	福井県	Fukui (Fukui)	0.044

19	3/19 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.067
21	3/19 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/19 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.037
27	3/19 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.042
28	3/19 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19 15:00 ~ 16:00	奈良県	Nara (Nara)	0.047
30	3/19 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/19 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.036
33	3/19 15:00 ~ 16:00	岡山県	Okayama (Okayam	0.048
34	3/19 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19 15:00 ~ 16:00	山口県	Yamaguchi (Yamag	0.092
36	3/19 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.037
37	3/19 15:00 ~ 16:00	香川県	Kagawa (Takamats	0.052
38	3/19 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.025
40	3/19 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.039
42	3/19 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.026
44	3/19 15:00 ~ 16:00	大分県	Oita (Oita)	0.049
45	3/19 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.02
1	3/19 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.02
3	3/19 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.029
4	3/19 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/19 16:00 ~ 17:00	秋田県	Akita (Akita)	0.034
6	3/19 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.042
7	3/19 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/19 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.17
9	3/19 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/19 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.076
11	3/19 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.032
13	3/19 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-k	0.046
14	3/19 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.047
16	3/19 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.047
17	3/19 16:00 ~ 17:00	石川県	Ishikawa (Kanazaw	0.046
18	3/19 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.045
19	3/19 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.066
21	3/19 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/19 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.042
28	3/19 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.036

29	3/19 16:00 ~ 17:00	奈良県	Nara (Nara)	0.047
30	3/19 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/19 16:00 ~ 17:00	岡山県	Okayama (Okayam	0.048
34	3/19 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19 16:00 ~ 17:00	山口県	Yamaguchi (Yamag	0.092
36	3/19 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.037
37	3/19 16:00 ~ 17:00	香川県	Kagawa (Takamats	0.051
38	3/19 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.025
40	3/19 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.039
42	3/19 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 16:00 ~ 17:00	大分県	Oita (Oita)	0.05
45	3/19 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.02
1	3/19 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.02
3	3/19 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.027
4	3/19 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/19 17:00 ~ 18:00	秋田県	Akita (Akita)	0.034
6	3/19 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.041
7	3/19 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/19 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.169
9	3/19 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/19 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.076
11	3/19 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-k	0.046
14	3/19 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.047
16	3/19 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.047
17	3/19 17:00 ~ 18:00	石川県	Ishikawa (Kanazaw	0.046
18	3/19 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.045
19	3/19 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.043
20	3/19 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.066
21	3/19 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.042
28	3/19 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047
30	3/19 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/19 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.036
33	3/19 17:00 ~ 18:00	岡山県	Okayama (Okayam	0.048
34	3/19 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19 17:00 ~ 18:00	山口県	Yamaguchi (Yamag	0.091
36	3/19 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.038
37	3/19 17:00 ~ 18:00	香川県	Kagawa (Takamats	0.052
38	3/19 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.047

39	3/19 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.024
40	3/19 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.039
42	3/19 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.026
44	3/19 17:00 ~ 18:00	大分県	Oita (Oita)	0.05
45	3/19 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.029
2	3/19 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.02
3	3/19 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.027
4	3/19 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/19 18:00 ~ 19:00	秋田県	Akita (Akita)	0.034
6	3/19 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.04
7	3/19 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/19 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.168
9	3/19 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/19 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.076
11	3/19 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.046
16	3/19 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.047
17	3/19 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.045
19	3/19 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.066
21	3/19 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.042
28	3/19 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.036
29	3/19 18:00 ~ 19:00	奈良県	Nara (Nara)	0.047
30	3/19 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/19 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.036
33	3/19 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.048
34	3/19 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.092
36	3/19 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/19 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.052
38	3/19 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.025
40	3/19 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.039
42	3/19 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.026
44	3/19 18:00 ~ 19:00	大分県	Oita (Oita)	0.049
45	3/19 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.029

2	3/19 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.021
3	3/19 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.027
4	3/19 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/19 19:00 ~ 20:00	秋田県	Akita (Akita)	0.034
6	3/19 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.04
7	3/19 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/19 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.167
9	3/19 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/19 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.075
11	3/19 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.046
16	3/19 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.047
17	3/19 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.045
19	3/19 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.066
21	3/19 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.042
28	3/19 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 19:00 ~ 20:00	奈良県	Nara (Nara)	0.047
30	3/19 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/19 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.036
33	3/19 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.048
34	3/19 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/19 19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.092
36	3/19 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.037
37	3/19 19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.052
38	3/19 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/19 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.025
40	3/19 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.039
42	3/19 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 19:00 ~ 20:00	大分県	Oita (Oita)	0.05
45	3/19 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.029
2	3/19 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.021
3	3/19 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.026
4	3/19 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/19 20:00 ~ 21:00	秋田県	Akita (Akita)	0.034
6	3/19 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.04
7	3/19 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/19 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.167
9	3/19 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/19 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.075
11	3/19 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.055

12	3/19 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.046
16	3/19 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.047
17	3/19 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.045
19	3/19 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.067
21	3/19 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/19 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.042
28	3/19 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 20:00 ~ 21:00	奈良県	Nara (Nara)	0.047
30	3/19 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.031
31	3/19 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.036
33	3/19 20:00 ~ 21:00	岡山県	Okayama (Okayama	0.048
34	3/19 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.047
35	3/19 20:00 ~ 21:00	山口県	Yamaguchi (Yamagu	0.093
36	3/19 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.038
37	3/19 20:00 ~ 21:00	香川県	Kagawa (Takamatsu	0.052
38	3/19 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.025
40	3/19 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.039
42	3/19 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 20:00 ~ 21:00	大分県	Oita (Oita)	0.05
45	3/19 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/19 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.021
3	3/19 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.026
4	3/19 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/19 21:00 ~ 22:00	秋田県	Akita (Akita)	0.035
6	3/19 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.04
7	3/19 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/19 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.167
9	3/19 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/19 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.075
11	3/19 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.046
16	3/19 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.047
17	3/19 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.047
18	3/19 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.045
19	3/19 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.067
21	3/19 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.061

22	3/19 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.039
24	3/19 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/19 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.038
27	3/19 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/19 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.038
29	3/19 21:00 ~ 22:00	奈良県	Nara (Nara)	0.047
30	3/19 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.036
33	3/19 21:00 ~ 22:00	岡山県	Okayama (Okayam	0.048
34	3/19 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/19 21:00 ~ 22:00	山口県	Yamaguchi (Yamag	0.093
36	3/19 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/19 21:00 ~ 22:00	香川県	Kagawa (Takamats	0.052
38	3/19 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/19 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/19 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/19 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/19 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/19 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.021
3	3/19 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.027
4	3/19 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/19 22:00 ~ 23:00	秋田県	Akita (Akita)	0.035
6	3/19 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.04
7	3/19 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/19 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.166
9	3/19 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/19 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.075
11	3/19 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.055
12	3/19 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.046
16	3/19 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.047
17	3/19 22:00 ~ 23:00	石川県	Ishikawa (Kanazaw	0.047
18	3/19 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.046
19	3/19 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.066
21	3/19 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.04
24	3/19 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/19 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/19 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 22:00 ~ 23:00	奈良県	Nara (Nara)	0.048
30	3/19 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063

32	3/19 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.036
33	3/19 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.048
34	3/19 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/19 22:00 ~ 23:00	山口県	Yamaguchi (Yamag	0.094
36	3/19 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/19 22:00 ~ 23:00	香川県	Kagawa (Takamats	0.052
38	3/19 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/19 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.026
40	3/19 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/19 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/19 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/19 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/19 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/19 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.021
3	3/19 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.027
4	3/19 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/19 23:00 ~ 24:00	秋田県	Akita (Akita)	0.035
6	3/19 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.04
7	3/19 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/19 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.166
9	3/19 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/19 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.075
11	3/19 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.054
12	3/19 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.033
13	3/19 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/19 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/19 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.046
16	3/19 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.047
17	3/19 23:00 ~ 24:00	石川県	Ishikawa (Kanazaw	0.047
18	3/19 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.045
19	3/19 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.044
20	3/19 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.067
21	3/19 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/19 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/19 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.04
24	3/19 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.046
25	3/19 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/19 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.039
27	3/19 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.043
28	3/19 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.037
29	3/19 23:00 ~ 24:00	奈良県	Nara (Nara)	0.048
30	3/19 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/19 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/19 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.037
33	3/19 23:00 ~ 24:00	岡山県	Okayama (Okayam	0.049
34	3/19 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.048
35	3/19 23:00 ~ 24:00	山口県	Yamaguchi (Yamag	0.094
36	3/19 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.039
37	3/19 23:00 ~ 24:00	香川県	Kagawa (Takamats	0.053
38	3/19 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/19 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.026
40	3/19 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/19 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04

42	3/19 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/19 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/19 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/19 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/19 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/19 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.021
3	3/20 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.026
4	3/20 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/20 00:00 ~ 01:00	秋田県	Akita (Akita)	0.035
6	3/20 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.04
7	3/20 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/20 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.166
9	3/20 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/20 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.055
12	3/20 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.046
16	3/20 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.048
17	3/20 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.047
18	3/20 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.046
19	3/20 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.067
21	3/20 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/20 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.038
27	3/20 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.043
28	3/20 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/20 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.037
33	3/20 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.05
34	3/20 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.049
35	3/20 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.095
36	3/20 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/20 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.026
40	3/20 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/20 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.04
42	3/20 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/20 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/20 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.021
3	3/20 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.027
4	3/20 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	

5	3/20 01:00 ~ 02:00	秋田県	Akita (Akita)	0.035
6	3/20 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.04
7	3/20 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/20 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.165
9	3/20 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/20 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.055
12	3/20 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.046
16	3/20 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.048
17	3/20 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.047
18	3/20 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.046
19	3/20 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.067
21	3/20 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.041
24	3/20 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/20 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.038
27	3/20 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.043
28	3/20 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 01:00 ~ 02:00	奈良県	Nara (Nara)	0.048
30	3/20 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.037
33	3/20 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.05
34	3/20 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.096
36	3/20 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.039
37	3/20 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.026
40	3/20 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/20 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.04
42	3/20 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/20 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/20 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.021
3	3/20 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.027
4	3/20 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/20 02:00 ~ 03:00	秋田県	Akita (Akita)	0.035
6	3/20 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.04
7	3/20 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/20 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.164
9	3/20 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/20 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.055
12	3/20 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.048

15	3/20 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.047
16	3/20 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.048
17	3/20 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.047
18	3/20 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.046
19	3/20 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.067
21	3/20 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.041
24	3/20 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/20 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/20 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 02:00 ~ 03:00	奈良県	Nara (Nara)	0.048
30	3/20 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.037
33	3/20 02:00 ~ 03:00	岡山県	Okayama (Okayama	0.051
34	3/20 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 02:00 ~ 03:00	山口県	Yamaguchi (Yamagı	0.095
36	3/20 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.039
37	3/20 02:00 ~ 03:00	香川県	Kagawa (Takamatsı	0.054
38	3/20 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.026
40	3/20 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.041
42	3/20 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/20 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 02:00 ~ 03:00	大分県	Oita (Oita)	0.051
45	3/20 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.021
3	3/20 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.026
4	3/20 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/20 03:00 ~ 04:00	秋田県	Akita (Akita)	0.035
6	3/20 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.041
7	3/20 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/20 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.164
9	3/20 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/20 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-kı	0.046
14	3/20 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.047
16	3/20 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.048
17	3/20 03:00 ~ 04:00	石川県	Ishikawa (Kanazawa	0.047
18	3/20 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.046
19	3/20 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.067
21	3/20 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.041
24	3/20 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.046

25	3/20 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/20 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.043
28	3/20 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 03:00 ~ 04:00	奈良県	Nara (Nara)	0.049
30	3/20 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.037
33	3/20 03:00 ~ 04:00	岡山県	Okayama (Okayam	0.051
34	3/20 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 03:00 ~ 04:00	山口県	Yamaguchi (Yamag	0.096
36	3/20 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.039
37	3/20 03:00 ~ 04:00	香川県	Kagawa (Takamats	0.054
38	3/20 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.027
40	3/20 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.041
42	3/20 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/20 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/20 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.021
3	3/20 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.027
4	3/20 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/20 04:00 ~ 05:00	秋田県	Akita (Akita)	0.035
6	3/20 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.041
7	3/20 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/20 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.164
9	3/20 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/20 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.034
13	3/20 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.047
16	3/20 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.049
17	3/20 04:00 ~ 05:00	石川県	Ishikawa (Kanazaw	0.047
18	3/20 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.046
19	3/20 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.066
21	3/20 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/20 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.041
24	3/20 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/20 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.043
28	3/20 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 04:00 ~ 05:00	奈良県	Nara (Nara)	0.049
30	3/20 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.038
33	3/20 04:00 ~ 05:00	岡山県	Okayama (Okayam	0.051
34	3/20 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.05

35	3/20 04:00 ~ 05:00	山口県	Yamaguchi (Yamagı	0.096
36	3/20 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.039
37	3/20 04:00 ~ 05:00	香川県	Kagawa (Takamatsı	0.054
38	3/20 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.026
40	3/20 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.041
42	3/20 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/20 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 04:00 ~ 05:00	大分県	Oita (Oita)	0.051
45	3/20 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.021
3	3/20 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.027
4	3/20 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/20 05:00 ~ 06:00	秋田県	Akita (Akita)	0.035
6	3/20 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.041
7	3/20 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/20 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.163
9	3/20 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.143
10	3/20 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.073
11	3/20 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.034
13	3/20 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-kı	0.046
14	3/20 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.047
16	3/20 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.048
17	3/20 05:00 ~ 06:00	石川県	Ishikawa (Kanazaw	0.047
18	3/20 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.046
19	3/20 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.066
21	3/20 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/20 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/20 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.04
27	3/20 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.043
28	3/20 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.039
29	3/20 05:00 ~ 06:00	奈良県	Nara (Nara)	0.049
30	3/20 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.038
33	3/20 05:00 ~ 06:00	岡山県	Okayama (Okayam	0.052
34	3/20 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 05:00 ~ 06:00	山口県	Yamaguchi (Yamagı	0.096
36	3/20 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.039
37	3/20 05:00 ~ 06:00	香川県	Kagawa (Takamatsı	0.054
38	3/20 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/20 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.027
40	3/20 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.041
42	3/20 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/20 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 05:00 ~ 06:00	大分県	Oita (Oita)	0.051

45	3/20 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.021
3	3/20 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.027
4	3/20 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/20 06:00 ~ 07:00	秋田県	Akita (Akita)	0.035
6	3/20 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.041
7	3/20 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/20 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.163
9	3/20 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.142
10	3/20 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.073
11	3/20 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.034
13	3/20 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.047
16	3/20 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.049
17	3/20 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.048
18	3/20 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.046
19	3/20 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.067
21	3/20 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/20 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/20 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.04
27	3/20 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.043
28	3/20 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.039
29	3/20 06:00 ~ 07:00	奈良県	Nara (Nara)	0.049
30	3/20 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.038
33	3/20 06:00 ~ 07:00	岡山県	Okayama (Okayama	0.052
34	3/20 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.051
35	3/20 06:00 ~ 07:00	山口県	Yamaguchi (Yamagu	0.096
36	3/20 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.039
37	3/20 06:00 ~ 07:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/20 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.027
40	3/20 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.041
42	3/20 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/20 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 06:00 ~ 07:00	大分県	Oita (Oita)	0.051
45	3/20 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.021
3	3/20 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.027
4	3/20 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/20 07:00 ~ 08:00	秋田県	Akita (Akita)	0.035
6	3/20 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.04
7	3/20 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	

8	3/20 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.162
9	3/20 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.142
10	3/20 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.073
11	3/20 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.034
13	3/20 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.047
16	3/20 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.049
17	3/20 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.048
18	3/20 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.046
19	3/20 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.067
21	3/20 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/20 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.047
25	3/20 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/20 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.04
27	3/20 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/20 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.039
29	3/20 07:00 ~ 08:00	奈良県	Nara (Nara)	0.049
30	3/20 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.038
33	3/20 07:00 ~ 08:00	岡山県	Okayama (Okayama	0.052
34	3/20 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.051
35	3/20 07:00 ~ 08:00	山口県	Yamaguchi (Yamagu	0.097
36	3/20 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.039
37	3/20 07:00 ~ 08:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/20 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.026
40	3/20 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.041
42	3/20 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/20 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.029
44	3/20 07:00 ~ 08:00	大分県	Oita (Oita)	0.051
45	3/20 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.021
3	3/20 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.027
4	3/20 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/20 08:00 ~ 09:00	秋田県	Akita (Akita)	0.035
6	3/20 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.041
7	3/20 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/20 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.161
9	3/20 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.141
10	3/20 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.073
11	3/20 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.047
16	3/20 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.049
17	3/20 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.048

18	3/20 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.046
19	3/20 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.066
21	3/20 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/20 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/20 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.04
27	3/20 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043
28	3/20 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.038
29	3/20 08:00 ~ 09:00	奈良県	Nara (Nara)	0.048
30	3/20 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.039
33	3/20 08:00 ~ 09:00	岡山県	Okayama (Okayam	0.051
34	3/20 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.052
35	3/20 08:00 ~ 09:00	山口県	Yamaguchi (Yamag	0.099
36	3/20 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.039
37	3/20 08:00 ~ 09:00	香川県	Kagawa (Takamats	0.054
38	3/20 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.027
40	3/20 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.042
42	3/20 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/20 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.031
44	3/20 08:00 ~ 09:00	大分県	Oita (Oita)	0.05
45	3/20 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/20 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.02
1	3/20 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.021
3	3/20 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.027
4	3/20 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/20 09:00 ~ 10:00	秋田県	Akita (Akita)	0.035
6	3/20 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.041
7	3/20 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/20 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.161
9	3/20 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.139
10	3/20 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.071
11	3/20 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.054
12	3/20 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-k	0.046
14	3/20 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.048
15	3/20 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.047
16	3/20 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.049
17	3/20 09:00 ~ 10:00	石川県	Ishikawa (Kanazaw	0.048
18	3/20 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.046
19	3/20 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.066
21	3/20 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/20 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.047
25	3/20 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.043

28	3/20 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 09:00 ~ 10:00	奈良県	Nara (Nara)	0.049
30	3/20 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.039
33	3/20 09:00 ~ 10:00	岡山県	Okayama (Okayam	0.05
34	3/20 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.051
35	3/20 09:00 ~ 10:00	山口県	Yamaguchi (Yamag	0.098
36	3/20 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.039
37	3/20 09:00 ~ 10:00	香川県	Kagawa (Takamats	0.054
38	3/20 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.026
40	3/20 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/20 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.045
42	3/20 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/20 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.03
44	3/20 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/20 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/20 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.021
3	3/20 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.026
4	3/20 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/20 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/20 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.04
7	3/20 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/20 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.159
9	3/20 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.138
10	3/20 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.07
11	3/20 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.053
12	3/20 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.047
16	3/20 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.049
17	3/20 10:00 ~ 11:00	石川県	Ishikawa (Kanazaw	0.047
18	3/20 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.046
19	3/20 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.065
21	3/20 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/20 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/20 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.047
25	3/20 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.043
28	3/20 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 10:00 ~ 11:00	奈良県	Nara (Nara)	0.049
30	3/20 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.038
33	3/20 10:00 ~ 11:00	岡山県	Okayama (Okayam	0.05
34	3/20 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.051
35	3/20 10:00 ~ 11:00	山口県	Yamaguchi (Yamag	0.096
36	3/20 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.039
37	3/20 10:00 ~ 11:00	香川県	Kagawa (Takamats	0.053

38	3/20 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.026
40	3/20 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.039
41	3/20 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.048
42	3/20 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.032
43	3/20 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 10:00 ~ 11:00	大分県	Oita (Oita)	0.051
45	3/20 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.038
47	3/20 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.021
3	3/20 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.026
4	3/20 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/20 11:00 ~ 12:00	秋田県	Akita (Akita)	0.034
6	3/20 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.04
7	3/20 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/20 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.263
9	3/20 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.137
10	3/20 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.069
11	3/20 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.053
12	3/20 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.046
14	3/20 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.047
16	3/20 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.049
17	3/20 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.047
18	3/20 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.046
19	3/20 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.064
21	3/20 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/20 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/20 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.041
24	3/20 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.043
28	3/20 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 11:00 ~ 12:00	奈良県	Nara (Nara)	0.049
30	3/20 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.038
33	3/20 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.05
34	3/20 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 11:00 ~ 12:00	山口県	Yamaguchi (Yamagu	0.096
36	3/20 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.038
37	3/20 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.053
38	3/20 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.026
40	3/20 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/20 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.045
42	3/20 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.031
43	3/20 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/20 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/20 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.037
47	3/20 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021

1	3/20 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.021
3	3/20 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.026
4	3/20 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/20 12:00 ~ 13:00	秋田県	Akita (Akita)	0.034
6	3/20 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.04
7	3/20 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/20 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.204
9	3/20 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.136
10	3/20 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.069
11	3/20 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.053
12	3/20 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.045
14	3/20 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.047
16	3/20 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.049
17	3/20 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.048
18	3/20 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.046
19	3/20 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.064
21	3/20 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/20 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.047
25	3/20 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.043
28	3/20 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 12:00 ~ 13:00	奈良県	Nara (Nara)	0.048
30	3/20 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.041
33	3/20 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.05
34	3/20 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.095
36	3/20 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.038
37	3/20 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.053
38	3/20 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.026
40	3/20 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/20 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.046
42	3/20 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/20 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 12:00 ~ 13:00	大分県	Oita (Oita)	0.05
45	3/20 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.021
3	3/20 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.026
4	3/20 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/20 13:00 ~ 14:00	秋田県	Akita (Akita)	0.035
6	3/20 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.04
7	3/20 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/20 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.186
9	3/20 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/20 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.069

11	3/20 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.053
12	3/20 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.033
13	3/20 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.045
14	3/20 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.047
16	3/20 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.049
17	3/20 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.048
18	3/20 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.046
19	3/20 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.063
21	3/20 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/20 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.043
28	3/20 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 13:00 ~ 14:00	奈良県	Nara (Nara)	0.048
30	3/20 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.031
31	3/20 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.039
33	3/20 13:00 ~ 14:00	岡山県	Okayama (Okayama	0.049
34	3/20 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.051
35	3/20 13:00 ~ 14:00	山口県	Yamaguchi (Yamagu	0.095
36	3/20 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.037
37	3/20 13:00 ~ 14:00	香川県	Kagawa (Takamatsu	0.053
38	3/20 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.028
40	3/20 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.039
41	3/20 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.048
42	3/20 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/20 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 13:00 ~ 14:00	大分県	Oita (Oita)	0.05
45	3/20 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/20 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.02
1	3/20 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.021
3	3/20 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.026
4	3/20 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/20 14:00 ~ 15:00	秋田県	Akita (Akita)	0.034
6	3/20 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.04
7	3/20 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/20 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.183
9	3/20 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.164
10	3/20 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.069
11	3/20 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.052
12	3/20 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.032
13	3/20 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.045
14	3/20 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.047
16	3/20 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.049
17	3/20 14:00 ~ 15:00	石川県	Ishikawa (Kanazawa	0.049
18	3/20 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.047
19	3/20 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.063

21	3/20 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.043
28	3/20 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 14:00 ~ 15:00	奈良県	Nara (Nara)	0.048
30	3/20 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.031
31	3/20 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.039
33	3/20 14:00 ~ 15:00	岡山県	Okayama (Okayam	0.049
34	3/20 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.053
35	3/20 14:00 ~ 15:00	山口県	Yamaguchi (Yamag	0.097
36	3/20 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.037
37	3/20 14:00 ~ 15:00	香川県	Kagawa (Takamats	0.053
38	3/20 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.027
40	3/20 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.04
41	3/20 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.049
42	3/20 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/20 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.03
44	3/20 14:00 ~ 15:00	大分県	Oita (Oita)	0.05
45	3/20 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/20 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.021
3	3/20 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.025
4	3/20 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/20 15:00 ~ 16:00	秋田県	Akita (Akita)	0.034
6	3/20 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.04
7	3/20 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/20 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.177
9	3/20 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.153
10	3/20 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.069
11	3/20 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.052
12	3/20 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.032
13	3/20 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.045
14	3/20 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.047
16	3/20 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.051
17	3/20 15:00 ~ 16:00	石川県	Ishikawa (Kanazaw	0.052
18	3/20 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.047
19	3/20 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.063
21	3/20 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/20 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.039
24	3/20 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.046
25	3/20 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/20 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.043
27	3/20 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.044
28	3/20 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.036
29	3/20 15:00 ~ 16:00	奈良県	Nara (Nara)	0.051
30	3/20 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.031

31	3/20 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.04
33	3/20 15:00 ~ 16:00	岡山県	Okayama (Okayam	0.051
34	3/20 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.053
35	3/20 15:00 ~ 16:00	山口県	Yamaguchi (Yamag	0.097
36	3/20 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.037
37	3/20 15:00 ~ 16:00	香川県	Kagawa (Takamats	0.053
38	3/20 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/20 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.027
40	3/20 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.039
41	3/20 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.048
42	3/20 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.032
43	3/20 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.032
44	3/20 15:00 ~ 16:00	大分県	Oita (Oita)	0.051
45	3/20 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.021
3	3/20 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.026
4	3/20 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/20 16:00 ~ 17:00	秋田県	Akita (Akita)	0.035
6	3/20 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.04
7	3/20 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/20 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.174
9	3/20 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.153
10	3/20 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.072
11	3/20 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.052
12	3/20 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.032
13	3/20 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.045
14	3/20 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.047
15	3/20 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.047
16	3/20 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.054
17	3/20 16:00 ~ 17:00	石川県	Ishikawa (Kanazaw	0.052
18	3/20 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.048
19	3/20 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.066
21	3/20 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/20 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.048
25	3/20 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/20 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.045
27	3/20 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.046
28	3/20 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 16:00 ~ 17:00	奈良県	Nara (Nara)	0.053
30	3/20 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.031
31	3/20 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/20 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.039
33	3/20 16:00 ~ 17:00	岡山県	Okayama (Okayam	0.053
34	3/20 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.051
35	3/20 16:00 ~ 17:00	山口県	Yamaguchi (Yamag	0.096
36	3/20 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.037
37	3/20 16:00 ~ 17:00	香川県	Kagawa (Takamats	0.054
38	3/20 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.051
39	3/20 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.029
40	3/20 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.037

41	3/20 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.045
42	3/20 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.032
43	3/20 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.031
44	3/20 16:00 ~ 17:00	大分県	Oita (Oita)	0.052
45	3/20 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.037
47	3/20 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.02
1	3/20 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.021
3	3/20 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.027
4	3/20 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/20 17:00 ~ 18:00	秋田県	Akita (Akita)	0.036
6	3/20 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.044
7	3/20 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/20 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.172
9	3/20 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.154
10	3/20 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.096
11	3/20 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.052
12	3/20 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.032
13	3/20 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.045
14	3/20 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.05
16	3/20 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.052
17	3/20 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.049
18	3/20 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.047
19	3/20 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.067
21	3/20 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/20 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.051
25	3/20 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/20 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.042
27	3/20 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.045
28	3/20 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 17:00 ~ 18:00	奈良県	Nara (Nara)	0.051
30	3/20 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/20 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.04
33	3/20 17:00 ~ 18:00	岡山県	Okayama (Okayama	0.053
34	3/20 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.049
35	3/20 17:00 ~ 18:00	山口県	Yamaguchi (Yamagu	0.096
36	3/20 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.039
37	3/20 17:00 ~ 18:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/20 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.028
40	3/20 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.045
42	3/20 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.032
43	3/20 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.031
44	3/20 17:00 ~ 18:00	大分県	Oita (Oita)	0.053
45	3/20 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.028
46	3/20 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.038
47	3/20 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.027
2	3/20 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.021
3	3/20 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.029

4	3/20 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/20 18:00 ~ 19:00	秋田県	Akita (Akita)	0.04
6	3/20 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.1
7	3/20 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/20 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.172
9	3/20 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.152
10	3/20 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.103
11	3/20 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.052
12	3/20 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.032
13	3/20 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.044
14	3/20 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.052
16	3/20 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.05
17	3/20 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.05
18	3/20 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.046
19	3/20 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.045
20	3/20 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.064
21	3/20 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/20 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.039
23	3/20 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.048
25	3/20 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/20 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/20 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 18:00 ~ 19:00	奈良県	Nara (Nara)	0.049
30	3/20 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/20 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.045
33	3/20 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.051
34	3/20 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.048
35	3/20 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.095
36	3/20 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/20 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.028
40	3/20 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.045
42	3/20 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.031
43	3/20 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.031
44	3/20 18:00 ~ 19:00	大分県	Oita (Oita)	0.051
45	3/20 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.028
46	3/20 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.039
47	3/20 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.022
3	3/20 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.03
4	3/20 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/20 19:00 ~ 20:00	秋田県	Akita (Akita)	0.04
6	3/20 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.129
7	3/20 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/20 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.171
9	3/20 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.149
10	3/20 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.099
11	3/20 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.052
12	3/20 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.031
13	3/20 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.045

14	3/20 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.052
16	3/20 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.052
17	3/20 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.054
18	3/20 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.045
19	3/20 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.064
21	3/20 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/20 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/20 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.04
24	3/20 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.047
25	3/20 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/20 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.042
28	3/20 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.036
29	3/20 19:00 ~ 20:00	奈良県	Nara (Nara)	0.048
30	3/20 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/20 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.044
33	3/20 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.05
34	3/20 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.048
35	3/20 19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.097
36	3/20 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/20 19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.053
38	3/20 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/20 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.027
40	3/20 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.045
42	3/20 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.031
43	3/20 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.032
44	3/20 19:00 ~ 20:00	大分県	Oita (Oita)	0.051
45	3/20 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.028
46	3/20 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.038
47	3/20 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.02
1	3/20 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.023
3	3/20 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.039
4	3/20 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/20 20:00 ~ 21:00	秋田県	Akita (Akita)	0.041
6	3/20 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.125
7	3/20 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/20 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.17
9	3/20 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/20 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.083
11	3/20 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.055
12	3/20 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.031
13	3/20 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.044
14	3/20 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.051
16	3/20 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.053
17	3/20 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.058
18	3/20 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.047
19	3/20 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.065
21	3/20 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/20 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.038
23	3/20 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.041

24	3/20 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.048
25	3/20 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/20 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.042
28	3/20 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.036
29	3/20 20:00 ~ 21:00	奈良県	Nara (Nara)	0.048
30	3/20 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.032
31	3/20 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/20 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.042
33	3/20 20:00 ~ 21:00	岡山県	Okayama (Okayam	0.05
34	3/20 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.049
35	3/20 20:00 ~ 21:00	山口県	Yamaguchi (Yamag	0.097
36	3/20 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.038
37	3/20 20:00 ~ 21:00	香川県	Kagawa (Takamats	0.053
38	3/20 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.028
40	3/20 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.043
42	3/20 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/20 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.03
44	3/20 20:00 ~ 21:00	大分県	Oita (Oita)	0.051
45	3/20 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.037
47	3/20 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.022
3	3/20 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.04
4	3/20 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/20 21:00 ~ 22:00	秋田県	Akita (Akita)	0.041
6	3/20 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.123
7	3/20 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/20 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.17
9	3/20 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/20 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.059
12	3/20 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.031
13	3/20 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.044
14	3/20 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.051
16	3/20 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.052
17	3/20 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.06
18	3/20 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.049
19	3/20 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.064
21	3/20 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/20 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/20 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.041
24	3/20 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.048
25	3/20 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/20 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/20 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.036
29	3/20 21:00 ~ 22:00	奈良県	Nara (Nara)	0.048
30	3/20 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.075
32	3/20 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.041
33	3/20 21:00 ~ 22:00	岡山県	Okayama (Okayam	0.05

34	3/20 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.05
35	3/20 21:00 ~ 22:00	山口県	Yamaguchi (Yamagı	0.094
36	3/20 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/20 21:00 ~ 22:00	香川県	Kagawa (Takamatsı	0.053
38	3/20 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/20 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.03
40	3/20 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/20 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/20 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/20 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.028
44	3/20 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/20 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/20 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/20 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.022
3	3/20 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.038
4	3/20 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/20 22:00 ~ 23:00	秋田県	Akita (Akita)	0.039
6	3/20 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.119
7	3/20 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/20 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.169
9	3/20 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/20 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.059
12	3/20 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.031
13	3/20 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.048
14	3/20 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.048
16	3/20 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.054
17	3/20 22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.063
18	3/20 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.053
19	3/20 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.061
21	3/20 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/20 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/20 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.05
25	3/20 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/20 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.04
27	3/20 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.043
28	3/20 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 22:00 ~ 23:00	奈良県	Nara (Nara)	0.048
30	3/20 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/20 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.038
33	3/20 22:00 ~ 23:00	岡山県	Okayama (Okayama	0.05
34	3/20 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.049
35	3/20 22:00 ~ 23:00	山口県	Yamaguchi (Yamagı	0.094
36	3/20 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/20 22:00 ~ 23:00	香川県	Kagawa (Takamatsı	0.053
38	3/20 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/20 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.03
40	3/20 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/20 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/20 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/20 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027

44	3/20 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/20 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/20 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/20 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/20 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.027
2	3/20 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.022
3	3/20 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.037
4	3/20 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/20 23:00 ~ 24:00	秋田県	Akita (Akita)	0.036
6	3/20 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.117
7	3/20 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/20 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.17
9	3/20 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/20 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.074
11	3/20 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.062
12	3/20 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.031
13	3/20 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.049
14	3/20 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/20 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.048
16	3/20 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.052
17	3/20 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.058
18	3/20 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.05
19	3/20 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.044
20	3/20 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.06
21	3/20 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/20 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.035
23	3/20 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.042
24	3/20 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.05
25	3/20 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/20 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.039
27	3/20 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.044
28	3/20 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.037
29	3/20 23:00 ~ 24:00	奈良県	Nara (Nara)	0.049
30	3/20 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.033
31	3/20 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/20 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.038
33	3/20 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.051
34	3/20 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.049
35	3/20 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.095
36	3/20 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.039
37	3/20 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.054
38	3/20 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/20 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.03
40	3/20 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/20 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/20 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/20 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/20 23:00 ~ 24:00	大分県	Oita (Oita)	0.049
45	3/20 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/20 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/20 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.027
2	3/21 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.022
3	3/21 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.036
4	3/21 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/21 00:00 ~ 01:00	秋田県	Akita (Akita)	0.036
6	3/21 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.115

7	3/21 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/21 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.17
9	3/21 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/21 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.074
11	3/21 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.064
12	3/21 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.031
13	3/21 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/21 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/21 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.049
16	3/21 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.05
17	3/21 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.054
18	3/21 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.048
19	3/21 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.044
20	3/21 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.059
21	3/21 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/21 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.034
23	3/21 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.042
24	3/21 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.052
25	3/21 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/21 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.039
27	3/21 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.044
28	3/21 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.037
29	3/21 00:00 ~ 01:00	奈良県	Nara (Nara)	0.05
30	3/21 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.034
31	3/21 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.07
32	3/21 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.04
33	3/21 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.05
34	3/21 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.051
35	3/21 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.093
36	3/21 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.039
37	3/21 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.053
38	3/21 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.03
40	3/21 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/21 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.04
42	3/21 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.026
44	3/21 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/21 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.022
3	3/21 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.035
4	3/21 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/21 01:00 ~ 02:00	秋田県	Akita (Akita)	0.035
6	3/21 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.114
7	3/21 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/21 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.17
9	3/21 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.149
10	3/21 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.074
11	3/21 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.065
12	3/21 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.031
13	3/21 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/21 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/21 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.05
16	3/21 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.05

17	3/21 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.055
18	3/21 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.054
19	3/21 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.044
20	3/21 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.06
21	3/21 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/21 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.034
23	3/21 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.041
24	3/21 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.051
25	3/21 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/21 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.039
27	3/21 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.043
28	3/21 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.037
29	3/21 01:00 ~ 02:00	奈良県	Nara (Nara)	0.05
30	3/21 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.034
31	3/21 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.07
32	3/21 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.042
33	3/21 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.052
34	3/21 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.053
35	3/21 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.091
36	3/21 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/21 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.055
38	3/21 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.029
40	3/21 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/21 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.04
42	3/21 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/21 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.029
2	3/21 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.022
3	3/21 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.036
4	3/21 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/21 02:00 ~ 03:00	秋田県	Akita (Akita)	0.036
6	3/21 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.114
7	3/21 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/21 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.169
9	3/21 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.15
10	3/21 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.076
11	3/21 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.065
12	3/21 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.031
13	3/21 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.05
14	3/21 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/21 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.048
16	3/21 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.052
17	3/21 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.059
18	3/21 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.059
19	3/21 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.045
20	3/21 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.059
21	3/21 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/21 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.034
23	3/21 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.042
24	3/21 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.05
25	3/21 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/21 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.043

27	3/21 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.046
28	3/21 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.039
29	3/21 02:00 ~ 03:00	奈良県	Nara (Nara)	0.051
30	3/21 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.035
31	3/21 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/21 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.04
33	3/21 02:00 ~ 03:00	岡山県	Okayama (Okayam	0.054
34	3/21 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.053
35	3/21 02:00 ~ 03:00	山口県	Yamaguchi (Yamag	0.091
36	3/21 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.039
37	3/21 02:00 ~ 03:00	香川県	Kagawa (Takamats	0.056
38	3/21 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.051
39	3/21 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.028
40	3/21 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/21 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.039
42	3/21 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.026
44	3/21 02:00 ~ 03:00	大分県	Oita (Oita)	0.05
45	3/21 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.022
3	3/21 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.036
4	3/21 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/21 03:00 ~ 04:00	秋田県	Akita (Akita)	0.036
6	3/21 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.117
7	3/21 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/21 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.169
9	3/21 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.149
10	3/21 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.075
11	3/21 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.063
12	3/21 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.031
13	3/21 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-k	0.05
14	3/21 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.045
15	3/21 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.047
16	3/21 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.053
17	3/21 03:00 ~ 04:00	石川県	Ishikawa (Kanazaw	0.062
18	3/21 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.059
19	3/21 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.045
20	3/21 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.061
21	3/21 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/21 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.034
23	3/21 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.045
24	3/21 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.052
25	3/21 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.04
26	3/21 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.025
27	3/21 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.047
28	3/21 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.04
29	3/21 03:00 ~ 04:00	奈良県	Nara (Nara)	0.052
30	3/21 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.034
31	3/21 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/21 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.04
33	3/21 03:00 ~ 04:00	岡山県	Okayama (Okayam	0.055
34	3/21 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.05
35	3/21 03:00 ~ 04:00	山口県	Yamaguchi (Yamag	0.093
36	3/21 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.039

37	3/21 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.056
38	3/21 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.052
39	3/21 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.028
40	3/21 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/21 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.04
42	3/21 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.026
44	3/21 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/21 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.022
3	3/21 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.036
4	3/21 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/21 04:00 ~ 05:00	秋田県	Akita (Akita)	0.035
6	3/21 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.113
7	3/21 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/21 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.169
9	3/21 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/21 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.075
11	3/21 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.063
12	3/21 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.031
13	3/21 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.051
14	3/21 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.044
15	3/21 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.048
16	3/21 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.061
17	3/21 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.061
18	3/21 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.057
19	3/21 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.045
20	3/21 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.064
21	3/21 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/21 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.035
23	3/21 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.045
24	3/21 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.053
25	3/21 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.042
26	3/21 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.049
27	3/21 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.049
28	3/21 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.041
29	3/21 04:00 ~ 05:00	奈良県	Nara (Nara)	0.052
30	3/21 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/21 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.041
33	3/21 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.053
34	3/21 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.051
35	3/21 04:00 ~ 05:00	山口県	Yamaguchi (Yamagu	0.097
36	3/21 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.038
37	3/21 04:00 ~ 05:00	香川県	Kagawa (Takamatsu	0.058
38	3/21 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.052
39	3/21 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.027
40	3/21 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/21 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.039
42	3/21 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.026
44	3/21 04:00 ~ 05:00	大分県	Oita (Oita)	0.05
45	3/21 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.034

47	3/21 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.022
3	3/21 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.036
4	3/21 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/21 05:00 ~ 06:00	秋田県	Akita (Akita)	0.035
6	3/21 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.113
7	3/21 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/21 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.256
9	3/21 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/21 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.075
11	3/21 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.064
12	3/21 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.03
13	3/21 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.052
14	3/21 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.046
15	3/21 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.047
16	3/21 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.064
17	3/21 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.058
18	3/21 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.055
19	3/21 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.045
20	3/21 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.066
21	3/21 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/21 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.037
23	3/21 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.046
24	3/21 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.052
25	3/21 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.042
26	3/21 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.053
27	3/21 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.051
28	3/21 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.043
29	3/21 05:00 ~ 06:00	奈良県	Nara (Nara)	0.054
30	3/21 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.031
31	3/21 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.072
32	3/21 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.042
33	3/21 05:00 ~ 06:00	岡山県	Okayama (Okayama	0.053
34	3/21 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.055
35	3/21 05:00 ~ 06:00	山口県	Yamaguchi (Yamagu	0.103
36	3/21 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.038
37	3/21 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.06
38	3/21 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/21 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.027
40	3/21 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.039
41	3/21 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.042
42	3/21 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.032
43	3/21 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.026
44	3/21 05:00 ~ 06:00	大分県	Oita (Oita)	0.05
45	3/21 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.022
3	3/21 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.036
4	3/21 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/21 06:00 ~ 07:00	秋田県	Akita (Akita)	0.035
6	3/21 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.111
7	3/21 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/21 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.493
9	3/21 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.147

10	3/21 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.075
11	3/21 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.068
12	3/21 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.03
13	3/21 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.054
14	3/21 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.049
15	3/21 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.05
16	3/21 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.066
17	3/21 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.057
18	3/21 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.054
19	3/21 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.046
20	3/21 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.066
21	3/21 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/21 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/21 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.045
24	3/21 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.05
25	3/21 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.041
26	3/21 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.051
27	3/21 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.051
28	3/21 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.043
29	3/21 06:00 ~ 07:00	奈良県	Nara (Nara)	0.053
30	3/21 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.075
32	3/21 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.042
33	3/21 06:00 ~ 07:00	岡山県	Okayama (Okayama	0.055
34	3/21 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.054
35	3/21 06:00 ~ 07:00	山口県	Yamaguchi (Yamagu	0.096
36	3/21 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.039
37	3/21 06:00 ~ 07:00	香川県	Kagawa (Takamatsu	0.06
38	3/21 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.052
39	3/21 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.028
40	3/21 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.043
41	3/21 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.056
42	3/21 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.034
43	3/21 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.026
44	3/21 06:00 ~ 07:00	大分県	Oita (Oita)	0.049
45	3/21 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.022
3	3/21 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.037
4	3/21 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/21 07:00 ~ 08:00	秋田県	Akita (Akita)	0.035
6	3/21 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.111
7	3/21 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/21 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.452
9	3/21 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/21 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.073
11	3/21 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.074
12	3/21 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.036
13	3/21 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.059
14	3/21 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.063
15	3/21 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.053
16	3/21 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.063
17	3/21 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.052
18	3/21 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.051
19	3/21 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.047

20	3/21 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.065
21	3/21 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/21 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.04
23	3/21 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.044
24	3/21 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.05
25	3/21 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.039
26	3/21 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.047
27	3/21 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.05
28	3/21 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.042
29	3/21 07:00 ~ 08:00	奈良県	Nara (Nara)	0.056
30	3/21 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.034
31	3/21 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.073
32	3/21 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.042
33	3/21 07:00 ~ 08:00	岡山県	Okayama (Okayam	0.053
34	3/21 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.054
35	3/21 07:00 ~ 08:00	山口県	Yamaguchi (Yamag	0.095
36	3/21 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.039
37	3/21 07:00 ~ 08:00	香川県	Kagawa (Takamats	0.059
38	3/21 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.056
39	3/21 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.028
40	3/21 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.049
41	3/21 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.059
42	3/21 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.036
43	3/21 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 07:00 ~ 08:00	大分県	Oita (Oita)	0.05
45	3/21 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/21 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.021
3	3/21 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.037
4	3/21 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/21 08:00 ~ 09:00	秋田県	Akita (Akita)	0.035
6	3/21 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.111
7	3/21 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/21 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.394
9	3/21 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/21 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.073
11	3/21 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.079
12	3/21 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.041
13	3/21 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.07
14	3/21 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.073
15	3/21 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.054
16	3/21 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.059
17	3/21 08:00 ~ 09:00	石川県	Ishikawa (Kanazaw	0.054
18	3/21 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.048
19	3/21 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.048
20	3/21 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.063
21	3/21 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/21 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.041
23	3/21 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.044
24	3/21 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.048
25	3/21 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.038
26	3/21 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.045
27	3/21 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.048
28	3/21 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.039
29	3/21 08:00 ~ 09:00	奈良県	Nara (Nara)	0.055

30	3/21 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.033
31	3/21 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/21 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.04
33	3/21 08:00 ~ 09:00	岡山県	Okayama (Okayam	0.058
34	3/21 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.056
35	3/21 08:00 ~ 09:00	山口県	Yamaguchi (Yamag	0.099
36	3/21 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.039
37	3/21 08:00 ~ 09:00	香川県	Kagawa (Takamats	0.058
38	3/21 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.054
39	3/21 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.028
40	3/21 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.045
41	3/21 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.053
42	3/21 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/21 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.029
44	3/21 08:00 ~ 09:00	大分県	Oita (Oita)	0.05
45	3/21 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.021
3	3/21 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.035
4	3/21 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/21 09:00 ~ 10:00	秋田県	Akita (Akita)	0.035
6	3/21 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.108
7	3/21 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/21 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.438
9	3/21 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/21 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.069
11	3/21 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.085
12	3/21 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.091
13	3/21 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.096
14	3/21 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.077
15	3/21 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.051
16	3/21 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.056
17	3/21 09:00 ~ 10:00	石川県	Ishikawa (Kanazaw	0.052
18	3/21 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.046
19	3/21 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.048
20	3/21 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.061
21	3/21 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/21 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.041
23	3/21 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.043
24	3/21 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.047
25	3/21 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/21 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.041
27	3/21 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.046
28	3/21 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.04
29	3/21 09:00 ~ 10:00	奈良県	Nara (Nara)	0.052
30	3/21 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.033
31	3/21 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.072
32	3/21 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.037
33	3/21 09:00 ~ 10:00	岡山県	Okayama (Okayam	0.055
34	3/21 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.059
35	3/21 09:00 ~ 10:00	山口県	Yamaguchi (Yamag	0.1
36	3/21 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.039
37	3/21 09:00 ~ 10:00	香川県	Kagawa (Takamats	0.06
38	3/21 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.053
39	3/21 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.028

40	3/21 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.041
41	3/21 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.043
42	3/21 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.031
43	3/21 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.03
44	3/21 09:00 ~ 10:00	大分県	Oita (Oita)	0.051
45	3/21 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.027
2	3/21 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.022
3	3/21 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.034
4	3/21 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/21 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/21 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.104
7	3/21 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/21 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.33
9	3/21 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.138
10	3/21 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.067
11	3/21 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.09
12	3/21 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.074
13	3/21 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.1
14	3/21 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.078
15	3/21 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.048
16	3/21 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.051
17	3/21 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.049
18	3/21 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.047
19	3/21 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.046
20	3/21 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.059
21	3/21 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/21 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.036
23	3/21 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.041
24	3/21 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/21 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.039
27	3/21 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.045
28	3/21 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.039
29	3/21 10:00 ~ 11:00	奈良県	Nara (Nara)	0.05
30	3/21 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.073
32	3/21 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.037
33	3/21 10:00 ~ 11:00	岡山県	Okayama (Okayama	0.056
34	3/21 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.055
35	3/21 10:00 ~ 11:00	山口県	Yamaguchi (Yamagu	0.099
36	3/21 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.039
37	3/21 10:00 ~ 11:00	香川県	Kagawa (Takamatsu	0.062
38	3/21 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.053
39	3/21 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.028
40	3/21 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.042
41	3/21 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.04
42	3/21 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/21 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.028
44	3/21 10:00 ~ 11:00	大分県	Oita (Oita)	0.051
45	3/21 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/21 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.021

3	3/21 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.035
4	3/21 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/21 11:00 ~ 12:00	秋田県	Akita (Akita)	0.035
6	3/21 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.103
7	3/21 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/21 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.308
9	3/21 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.133
10	3/21 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.066
11	3/21 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.087
12	3/21 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.07
13	3/21 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.109
14	3/21 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.076
15	3/21 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.047
16	3/21 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.051
17	3/21 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.05
18	3/21 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.049
19	3/21 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.045
20	3/21 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.058
21	3/21 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.035
23	3/21 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.04
24	3/21 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/21 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.039
27	3/21 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.043
28	3/21 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.039
29	3/21 11:00 ~ 12:00	奈良県	Nara (Nara)	0.048
30	3/21 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.074
32	3/21 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.038
33	3/21 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.056
34	3/21 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.057
35	3/21 11:00 ~ 12:00	山口県	Yamaguchi (Yamagu	0.1
36	3/21 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.038
37	3/21 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.057
38	3/21 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.054
39	3/21 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.027
40	3/21 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/21 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.04
42	3/21 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/21 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.028
44	3/21 11:00 ~ 12:00	大分県	Oita (Oita)	0.052
45	3/21 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/21 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.022
3	3/21 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.034
4	3/21 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/21 12:00 ~ 13:00	秋田県	Akita (Akita)	0.035
6	3/21 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.101
7	3/21 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/21 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.31
9	3/21 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.135
10	3/21 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.068
11	3/21 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.1
12	3/21 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.074

13	3/21 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.113
14	3/21 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.075
15	3/21 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.048
16	3/21 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.052
17	3/21 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.05
18	3/21 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.048
19	3/21 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.045
20	3/21 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.057
21	3/21 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.034
23	3/21 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.04
24	3/21 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/21 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.045
27	3/21 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.047
28	3/21 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.042
29	3/21 12:00 ~ 13:00	奈良県	Nara (Nara)	0.049
30	3/21 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.034
31	3/21 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.071
32	3/21 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.037
33	3/21 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.055
34	3/21 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.051
35	3/21 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.092
36	3/21 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.04
37	3/21 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.056
38	3/21 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.054
39	3/21 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.026
40	3/21 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.04
41	3/21 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.041
42	3/21 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.028
44	3/21 12:00 ~ 13:00	大分県	Oita (Oita)	0.052
45	3/21 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/21 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.022
3	3/21 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.035
4	3/21 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/21 13:00 ~ 14:00	秋田県	Akita (Akita)	0.035
6	3/21 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.101
7	3/21 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/21 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.317
9	3/21 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/21 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.068
11	3/21 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.098
12	3/21 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.081
13	3/21 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.108
14	3/21 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.081
15	3/21 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.049
16	3/21 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.052
17	3/21 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.048
18	3/21 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.046
19	3/21 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.053
20	3/21 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.057
21	3/21 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/21 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.034

23	3/21 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/21 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/21 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.044
27	3/21 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.049
28	3/21 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.04
29	3/21 13:00 ~ 14:00	奈良県	Nara (Nara)	0.052
30	3/21 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.039
31	3/21 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.066
32	3/21 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.036
33	3/21 13:00 ~ 14:00	岡山県	Okayama (Okayam	0.05
34	3/21 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.048
35	3/21 13:00 ~ 14:00	山口県	Yamaguchi (Yamag	0.09
36	3/21 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.042
37	3/21 13:00 ~ 14:00	香川県	Kagawa (Takamats	0.054
38	3/21 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/21 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.026
40	3/21 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.041
41	3/21 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.043
42	3/21 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 13:00 ~ 14:00	大分県	Oita (Oita)	0.051
45	3/21 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/21 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.022
3	3/21 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.034
4	3/21 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/21 14:00 ~ 15:00	秋田県	Akita (Akita)	0.035
6	3/21 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.1
7	3/21 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/21 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.327
9	3/21 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.137
10	3/21 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.07
11	3/21 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.1
12	3/21 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.081
13	3/21 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.112
14	3/21 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.078
15	3/21 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.047
16	3/21 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.049
17	3/21 14:00 ~ 15:00	石川県	Ishikawa (Kanazaw	0.047
18	3/21 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.045
19	3/21 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.054
20	3/21 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.057
21	3/21 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.041
23	3/21 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0:039
24	3/21 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/21 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.039
27	3/21 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.045
28	3/21 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.037
29	3/21 14:00 ~ 15:00	奈良県	Nara (Nara)	0.05
30	3/21 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.035
31	3/21 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/21 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.036

33	3/21 14:00 ~ 15:00	岡山県	Okayama (Okayam	0.048
34	3/21 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.047
35	3/21 14:00 ~ 15:00	山口県	Yamaguchi (Yamag	0.089
36	3/21 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.039
37	3/21 14:00 ~ 15:00	香川県	Kagawa (Takamats	0.052
38	3/21 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/21 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.025
40	3/21 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.041
41	3/21 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.045
42	3/21 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 14:00 ~ 15:00	大分県	Oita (Oita)	0.052
45	3/21 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.03
46	3/21 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.022
3	3/21 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.034
4	3/21 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/21 15:00 ~ 16:00	秋田県	Akita (Akita)	0.035
6	3/21 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.1
7	3/21 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/21 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.347
9	3/21 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.135
10	3/21 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.075
11	3/21 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.106
12	3/21 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.083
13	3/21 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.118
14	3/21 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.079
15	3/21 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.047
16	3/21 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.047
17	3/21 15:00 ~ 16:00	石川県	Ishikawa (Kanazaw	0.047
18	3/21 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.045
19	3/21 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.055
20	3/21 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.057
21	3/21 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/21 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.039
24	3/21 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/21 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.038
27	3/21 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.043
28	3/21 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.036
29	3/21 15:00 ~ 16:00	奈良県	Nara (Nara)	0.047
30	3/21 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/21 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.036
33	3/21 15:00 ~ 16:00	岡山県	Okayama (Okayam	0.048
34	3/21 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.047
35	3/21 15:00 ~ 16:00	山口県	Yamaguchi (Yamag	0.089
36	3/21 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.038
37	3/21 15:00 ~ 16:00	香川県	Kagawa (Takamats	0.052
38	3/21 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.025
40	3/21 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.044
41	3/21 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.043
42	3/21 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.029

43	3/21 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 15:00 ~ 16:00	大分県	Oita (Oita)	0.052
45	3/21 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.047
46	3/21 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.022
3	3/21 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.034
4	3/21 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/21 16:00 ~ 17:00	秋田県	Akita (Akita)	0.035
6	3/21 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.1
7	3/21 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/21 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.34
9	3/21 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.133
10	3/21 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.085
11	3/21 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.106
12	3/21 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.082
13	3/21 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.125
14	3/21 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.083
15	3/21 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.046
16	3/21 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.047
17	3/21 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.047
18	3/21 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.045
19	3/21 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.058
20	3/21 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.057
21	3/21 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/21 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.039
24	3/21 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.045
25	3/21 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/21 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.037
27	3/21 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.042
28	3/21 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.036
29	3/21 16:00 ~ 17:00	奈良県	Nara (Nara)	0.047
30	3/21 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/21 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.048
34	3/21 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.047
35	3/21 16:00 ~ 17:00	山口県	Yamaguchi (Yamagu	0.09
36	3/21 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.038
37	3/21 16:00 ~ 17:00	香川県	Kagawa (Takamatsu	0.053
38	3/21 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.027
40	3/21 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.043
41	3/21 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.041
42	3/21 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 16:00 ~ 17:00	大分県	Oita (Oita)	0.051
45	3/21 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.039
46	3/21 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.022
3	3/21 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.034
4	3/21 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/21 17:00 ~ 18:00	秋田県	Akita (Akita)	0.035

6	3/21 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.1
7	3/21 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/21 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.336
9	3/21 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.154
10	3/21 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.082
11	3/21 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.109
12	3/21 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.084
13	3/21 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/21 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.089
15	3/21 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.046
16	3/21 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.047
17	3/21 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.047
18	3/21 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.045
19	3/21 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.051
20	3/21 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.057
21	3/21 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.042
23	3/21 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.039
24	3/21 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/21 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.038
27	3/21 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.042
28	3/21 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.036
29	3/21 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047
30	3/21 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.031
31	3/21 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.036
33	3/21 17:00 ~ 18:00	岡山県	Okayama (Okayama	0.048
34	3/21 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.047
35	3/21 17:00 ~ 18:00	山口県	Yamaguchi (Yamagu	0.1
36	3/21 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.038
37	3/21 17:00 ~ 18:00	香川県	Kagawa (Takamatsu	0.052
38	3/21 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/21 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.028
40	3/21 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.039
41	3/21 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04
42	3/21 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.029
44	3/21 17:00 ~ 18:00	大分県	Oita (Oita)	0.051
45	3/21 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.032
46	3/21 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/21 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.022
3	3/21 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.034
4	3/21 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/21 18:00 ~ 19:00	秋田県	Akita (Akita)	0.035
6	3/21 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.1
7	3/21 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/21 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.332
9	3/21 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.156
10	3/21 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.088
11	3/21 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.106
12	3/21 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.083
13	3/21 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.135
14	3/21 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.094
15	3/21 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.047

16	3/21	18:00 ~ 19:00	富山県	Toyama (Imizu)	0.047
17	3/21	18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.048
18	3/21	18:00 ~ 19:00	福井県	Fukui (Fukui)	0.046
19	3/21	18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.048
20	3/21	18:00 ~ 19:00	長野県	Nagano (Nagano)	0.056
21	3/21	18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21	18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/21	18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/21	18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.046
25	3/21	18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/21	18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.037
27	3/21	18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.042
28	3/21	18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.036
29	3/21	18:00 ~ 19:00	奈良県	Nara (Nara)	0.047
30	3/21	18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/21	18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21	18:00 ~ 19:00	島根県	Shimane (Matsue)	0.036
33	3/21	18:00 ~ 19:00	岡山県	Okayama (Okayama	0.048
34	3/21	18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.052
35	3/21	18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.106
36	3/21	18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.04
37	3/21	18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.056
38	3/21	18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21	18:00 ~ 19:00	高知県	Kochi (Kochi)	0.027
40	3/21	18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.045
41	3/21	18:00 ~ 19:00	佐賀県	Saga (Saga)	0.043
42	3/21	18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21	18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.031
44	3/21	18:00 ~ 19:00	大分県	Oita (Oita)	0.051
45	3/21	18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.034
46	3/21	18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21	18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21	19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21	19:00 ~ 20:00	青森県	Aomori (Aomori)	0.022
3	3/21	19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.034
4	3/21	19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/21	19:00 ~ 20:00	秋田県	Akita (Akita)	0.035
6	3/21	19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.099
7	3/21	19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/21	19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.331
9	3/21	19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.137
10	3/21	19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.095
11	3/21	19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.11
12	3/21	19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.081
13	3/21	19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/21	19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.101
15	3/21	19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.046
16	3/21	19:00 ~ 20:00	富山県	Toyama (Imizu)	0.047
17	3/21	19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.048
18	3/21	19:00 ~ 20:00	福井県	Fukui (Fukui)	0.045
19	3/21	19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.047
20	3/21	19:00 ~ 20:00	長野県	Nagano (Nagano)	0.056
21	3/21	19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21	19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.052
23	3/21	19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/21	19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.046
25	3/21	19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.032

26	3/21 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.037
27	3/21 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.043
28	3/21 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.036
29	3/21 19:00 ~ 20:00	奈良県	Nara (Nara)	0.047
30	3/21 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.035
31	3/21 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/21 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.036
33	3/21 19:00 ~ 20:00	岡山県	Okayama (Okayam	0.053
34	3/21 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.056
35	3/21 19:00 ~ 20:00	山口県	Yamaguchi (Yamag	0.108
36	3/21 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.04
37	3/21 19:00 ~ 20:00	香川県	Kagawa (Takamats	0.062
38	3/21 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.027
40	3/21 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.046
41	3/21 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.044
42	3/21 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/21 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.03
44	3/21 19:00 ~ 20:00	大分県	Oita (Oita)	0.051
45	3/21 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.032
46	3/21 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/21 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.022
3	3/21 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.034
4	3/21 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/21 20:00 ~ 21:00	秋田県	Akita (Akita)	0.035
6	3/21 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.1
7	3/21 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/21 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.329
9	3/21 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.133
10	3/21 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.093
11	3/21 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.117
12	3/21 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.081
13	3/21 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.137
14	3/21 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.103
15	3/21 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.046
16	3/21 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.047
17	3/21 20:00 ~ 21:00	石川県	Ishikawa (Kanazaw	0.047
18	3/21 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.047
19	3/21 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.047
20	3/21 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.056
21	3/21 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/21 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.056
23	3/21 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.039
24	3/21 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.046
25	3/21 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/21 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.039
27	3/21 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.049
28	3/21 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.04
29	3/21 20:00 ~ 21:00	奈良県	Nara (Nara)	0.053
30	3/21 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.033
31	3/21 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.036
33	3/21 20:00 ~ 21:00	岡山県	Okayama (Okayam	0.06
34	3/21 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.055
35	3/21 20:00 ~ 21:00	山口県	Yamaguchi (Yamag	0.101

36	3/21 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.039
37	3/21 20:00 ~ 21:00	香川県	Kagawa (Takamatsu	0.064
38	3/21 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.054
39	3/21 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.026
40	3/21 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.04
41	3/21 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.041
42	3/21 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/21 20:00 ~ 21:00	大分県	Oita (Oita)	0.05
45	3/21 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.03
46	3/21 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.029
2	3/21 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.022
3	3/21 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.034
4	3/21 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/21 21:00 ~ 22:00	秋田県	Akita (Akita)	0.035
6	3/21 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.1
7	3/21 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/21 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.333
9	3/21 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.132
10	3/21 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.101
11	3/21 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.118
12	3/21 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.08
13	3/21 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.137
14	3/21 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.109
15	3/21 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.046
16	3/21 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.047
17	3/21 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.047
18	3/21 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.049
19	3/21 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.051
20	3/21 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.057
21	3/21 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/21 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.062
23	3/21 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.043
24	3/21 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.049
25	3/21 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.039
26	3/21 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.046
27	3/21 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.053
28	3/21 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.042
29	3/21 21:00 ~ 22:00	奈良県	Nara (Nara)	0.056
30	3/21 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.034
31	3/21 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.036
33	3/21 21:00 ~ 22:00	岡山県	Okayama (Okayama	0.06
34	3/21 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.052
35	3/21 21:00 ~ 22:00	山口県	Yamaguchi (Yamagu	0.096
36	3/21 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.041
37	3/21 21:00 ~ 22:00	香川県	Kagawa (Takamatsu	0.065
38	3/21 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.052
39	3/21 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/21 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/21 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/21 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/21 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.028
44	3/21 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/21 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.028

46	3/21	21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21	21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/21	22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.029
2	3/21	22:00 ~ 23:00	青森県	Aomori (Aomori)	0.022
3	3/21	22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.034
4	3/21	22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/21	22:00 ~ 23:00	秋田県	Akita (Akita)	0.035
6	3/21	22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.1
7	3/21	22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/21	22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.329
9	3/21	22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.133
10	3/21	22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.112
11	3/21	22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.123
12	3/21	22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.088
13	3/21	22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.141
14	3/21	22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.111
15	3/21	22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.047
16	3/21	22:00 ~ 23:00	富山県	Toyama (Imizu)	0.047
17	3/21	22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.047
18	3/21	22:00 ~ 23:00	福井県	Fukui (Fukui)	0.053
19	3/21	22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.058
20	3/21	22:00 ~ 23:00	長野県	Nagano (Nagano)	0.056
21	3/21	22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.067
22	3/21	22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.064
23	3/21	22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.046
24	3/21	22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.057
25	3/21	22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.043
26	3/21	22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.052
27	3/21	22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.053
28	3/21	22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.045
29	3/21	22:00 ~ 23:00	奈良県	Nara (Nara)	0.056
30	3/21	22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.041
31	3/21	22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21	22:00 ~ 23:00	島根県	Shimane (Matsue)	0.036
33	3/21	22:00 ~ 23:00	岡山県	Okayama (Okayama	0.059
34	3/21	22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.052
35	3/21	22:00 ~ 23:00	山口県	Yamaguchi (Yamagu	0.099
36	3/21	22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.042
37	3/21	22:00 ~ 23:00	香川県	Kagawa (Takamatsu	0.061
38	3/21	22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/21	22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/21	22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.041
41	3/21	22:00 ~ 23:00	佐賀県	Saga (Saga)	0.041
42	3/21	22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/21	22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/21	22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/21	22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/21	22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21	22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.02
1	3/21	23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.032
2	3/21	23:00 ~ 24:00	青森県	Aomori (Aomori)	0.022
3	3/21	23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.035
4	3/21	23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/21	23:00 ~ 24:00	秋田県	Akita (Akita)	0.036
6	3/21	23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.1
7	3/21	23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/21	23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.327

9	3/21 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/21 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.115
11	3/21 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.126
12	3/21 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.098
13	3/21 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.141
14	3/21 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.11
15	3/21 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.046
16	3/21 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.047
17	3/21 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.047
18	3/21 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.05
19	3/21 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.061
20	3/21 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.057
21	3/21 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/21 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.066
23	3/21 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.048
24	3/21 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.061
25	3/21 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.042
26	3/21 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.052
27	3/21 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.053
28	3/21 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.044
29	3/21 23:00 ~ 24:00	奈良県	Nara (Nara)	0.056
30	3/21 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.04
31	3/21 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/21 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.036
33	3/21 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.059
34	3/21 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.054
35	3/21 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.104
36	3/21 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.041
37	3/21 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.061
38	3/21 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.055
39	3/21 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.025
40	3/21 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.048
41	3/21 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.05
42	3/21 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/21 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.032
44	3/21 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/21 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.028
46	3/21 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/21 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.02
1	3/22 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.037
2	3/22 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.022
3	3/22 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.035
4	3/22 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/22 00:00 ~ 01:00	秋田県	Akita (Akita)	0.036
6	3/22 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.099
7	3/22 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/22 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.322
9	3/22 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.152
10	3/22 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.114
11	3/22 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.129
12	3/22 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.092
13	3/22 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.142
14	3/22 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.113
15	3/22 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.046
16	3/22 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.047
17	3/22 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.048

19	3/22 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.062
20	3/22 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.057
21	3/22 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/22 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.071
23	3/22 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.048
24	3/22 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.059
25	3/22 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.043
26	3/22 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.052
27	3/22 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.056
28	3/22 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.044
29	3/22 00:00 ~ 01:00	奈良県	Nara (Nara)	0.059
30	3/22 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.045
31	3/22 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.037
33	3/22 00:00 ~ 01:00	岡山県	Okayama (Okayam	0.063
34	3/22 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.054
35	3/22 00:00 ~ 01:00	山口県	Yamaguchi (Yamag	0.105
36	3/22 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.044
37	3/22 00:00 ~ 01:00	香川県	Kagawa (Takamats	0.064
38	3/22 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.061
39	3/22 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.03
40	3/22 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.048
41	3/22 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.049
42	3/22 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/22 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.032
44	3/22 00:00 ~ 01:00	大分県	Oita (Oita)	0.057
45	3/22 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.03
46	3/22 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.041
2	3/22 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.022
3	3/22 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.036
4	3/22 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/22 01:00 ~ 02:00	秋田県	Akita (Akita)	0.036
6	3/22 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.099
7	3/22 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/22 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.317
9	3/22 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.15
10	3/22 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.114
11	3/22 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.122
12	3/22 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.09
13	3/22 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-k	0.137
14	3/22 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.113
15	3/22 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.046
16	3/22 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.047
17	3/22 01:00 ~ 02:00	石川県	Ishikawa (Kanazaw	0.047
18	3/22 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.054
19	3/22 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.061
20	3/22 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.057
21	3/22 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/22 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.069
23	3/22 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.05
24	3/22 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.057
25	3/22 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.043
26	3/22 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.055
27	3/22 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.056
28	3/22 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.045

29	3/22 01:00 ~ 02:00	奈良県	Nara (Nara)	0.061
30	3/22 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.049
31	3/22 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.036
33	3/22 01:00 ~ 02:00	岡山県	Okayama (Okayam	0.062
34	3/22 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.052
35	3/22 01:00 ~ 02:00	山口県	Yamaguchi (Yamag	0.098
36	3/22 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.046
37	3/22 01:00 ~ 02:00	香川県	Kagawa (Takamats	0.064
38	3/22 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.059
39	3/22 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.042
40	3/22 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.049
41	3/22 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.055
42	3/22 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.032
43	3/22 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.032
44	3/22 01:00 ~ 02:00	大分県	Oita (Oita)	0.063
45	3/22 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.034
46	3/22 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.041
47	3/22 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.034
2	3/22 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.022
3	3/22 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.036
4	3/22 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/22 02:00 ~ 03:00	秋田県	Akita (Akita)	0.037
6	3/22 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.099
7	3/22 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/22 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.317
9	3/22 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/22 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.115
11	3/22 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.119
12	3/22 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.088
13	3/22 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/22 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.108
15	3/22 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.046
16	3/22 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.047
17	3/22 02:00 ~ 03:00	石川県	Ishikawa (Kanazaw	0.047
18	3/22 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.059
19	3/22 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.061
20	3/22 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.06
21	3/22 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.067
22	3/22 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.069
23	3/22 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.049
24	3/22 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.055
25	3/22 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.04
26	3/22 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.05
27	3/22 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.053
28	3/22 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.045
29	3/22 02:00 ~ 03:00	奈良県	Nara (Nara)	0.056
30	3/22 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.053
31	3/22 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.037
33	3/22 02:00 ~ 03:00	岡山県	Okayama (Okayam	0.056
34	3/22 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.049
35	3/22 02:00 ~ 03:00	山口県	Yamaguchi (Yamag	0.092
36	3/22 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.046
37	3/22 02:00 ~ 03:00	香川県	Kagawa (Takamats	0.061
38	3/22 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.055

39	3/22 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.049
40	3/22 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.048
41	3/22 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.056
42	3/22 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.035
43	3/22 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.031
44	3/22 02:00 ~ 03:00	大分県	Oita (Oita)	0.064
45	3/22 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.039
46	3/22 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.04
47	3/22 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.02
1	3/22 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.03
2	3/22 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.022
3	3/22 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.036
4	3/22 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/22 03:00 ~ 04:00	秋田県	Akita (Akita)	0.037
6	3/22 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.099
7	3/22 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/22 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.315
9	3/22 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/22 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.117
11	3/22 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.12
12	3/22 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.087
13	3/22 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/22 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.106
15	3/22 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.046
16	3/22 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.047
17	3/22 03:00 ~ 04:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.059
19	3/22 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.06
20	3/22 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.059
21	3/22 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/22 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.065
23	3/22 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.048
24	3/22 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.054
25	3/22 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/22 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.044
27	3/22 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.051
28	3/22 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.043
29	3/22 03:00 ~ 04:00	奈良県	Nara (Nara)	0.054
30	3/22 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.05
31	3/22 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.037
33	3/22 03:00 ~ 04:00	岡山県	Okayama (Okayama	0.051
34	3/22 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.049
35	3/22 03:00 ~ 04:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.048
37	3/22 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.059
38	3/22 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.054
39	3/22 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.047
40	3/22 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.04
41	3/22 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.047
42	3/22 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.033
43	3/22 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.029
44	3/22 03:00 ~ 04:00	大分県	Oita (Oita)	0.062
45	3/22 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.033
46	3/22 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/22 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028

2	3/22 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.022
3	3/22 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.036
4	3/22 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/22 04:00 ~ 05:00	秋田県	Akita (Akita)	0.037
6	3/22 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.098
7	3/22 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/22 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.311
9	3/22 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/22 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.119
11	3/22 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.118
12	3/22 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.088
13	3/22 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.133
14	3/22 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.106
15	3/22 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.047
16	3/22 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.047
17	3/22 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.057
19	3/22 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.06
20	3/22 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.062
21	3/22 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.067
22	3/22 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.065
23	3/22 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.046
24	3/22 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.05
25	3/22 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/22 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.043
27	3/22 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.049
28	3/22 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.04
29	3/22 04:00 ~ 05:00	奈良県	Nara (Nara)	0.054
30	3/22 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.047
31	3/22 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.037
33	3/22 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.049
34	3/22 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.048
35	3/22 04:00 ~ 05:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.048
37	3/22 04:00 ~ 05:00	香川県	Kagawa (Takamatsu	0.056
38	3/22 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.051
39	3/22 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.042
40	3/22 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/22 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.041
42	3/22 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.028
44	3/22 04:00 ~ 05:00	大分県	Oita (Oita)	0.054
45	3/22 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.029
46	3/22 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.022
3	3/22 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.036
4	3/22 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/22 05:00 ~ 06:00	秋田県	Akita (Akita)	0.037
6	3/22 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.099
7	3/22 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/22 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.307
9	3/22 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.142
10	3/22 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.114
11	3/22 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.115

12	3/22 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.09
13	3/22 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.133
14	3/22 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.107
15	3/22 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.047
16	3/22 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.047
17	3/22 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.055
19	3/22 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.06
20	3/22 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.06
21	3/22 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.066
22	3/22 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.068
23	3/22 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.044
24	3/22 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.049
25	3/22 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/22 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.04
27	3/22 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.046
28	3/22 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 05:00 ~ 06:00	奈良県	Nara (Nara)	0.052
30	3/22 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.044
31	3/22 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.037
33	3/22 05:00 ~ 06:00	岡山県	Okayama (Okayama	0.049
34	3/22 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.049
35	3/22 05:00 ~ 06:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.045
37	3/22 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.053
38	3/22 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/22 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.034
40	3/22 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.04
42	3/22 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 05:00 ~ 06:00	大分県	Oita (Oita)	0.05
45	3/22 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.028
46	3/22 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.022
3	3/22 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.036
4	3/22 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/22 06:00 ~ 07:00	秋田県	Akita (Akita)	0.037
6	3/22 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.098
7	3/22 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/22 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.314
9	3/22 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.141
10	3/22 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.112
11	3/22 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.116
12	3/22 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.09
13	3/22 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.131
14	3/22 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.109
15	3/22 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.047
16	3/22 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.047
17	3/22 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.054
19	3/22 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.059
20	3/22 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.058
21	3/22 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.063

22	3/22 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.066
23	3/22 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.042
24	3/22 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.043
28	3/22 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 06:00 ~ 07:00	奈良県	Nara (Nara)	0.049
30	3/22 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.037
31	3/22 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.038
33	3/22 06:00 ~ 07:00	岡山県	Okayama (Okayam	0.049
34	3/22 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.05
35	3/22 06:00 ~ 07:00	山口県	Yamaguchi (Yamag	0.09
36	3/22 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.04
37	3/22 06:00 ~ 07:00	香川県	Kagawa (Takamats	0.052
38	3/22 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama	0.049
39	3/22 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.027
40	3/22 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.039
42	3/22 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 06:00 ~ 07:00	大分県	Oita (Oita)	0.05
45	3/22 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 07:00 ~ 08:00	北海道	Hokkaido (Sapporo	0.028
2	3/22 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.022
3	3/22 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.036
4	3/22 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/22 07:00 ~ 08:00	秋田県	Akita (Akita)	0.037
6	3/22 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.098
7	3/22 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/22 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.351
9	3/22 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.141
10	3/22 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.112
11	3/22 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.116
12	3/22 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.088
13	3/22 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.129
14	3/22 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.107
15	3/22 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.048
16	3/22 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.047
17	3/22 07:00 ~ 08:00	石川県	Ishikawa (Kanazaw	0.047
18	3/22 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.051
19	3/22 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.058
20	3/22 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.056
21	3/22 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/22 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.064
23	3/22 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.041
24	3/22 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/22 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 07:00 ~ 08:00	奈良県	Nara (Nara)	0.048
30	3/22 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.033
31	3/22 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.064

32	3/22 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.038
33	3/22 07:00 ~ 08:00	岡山県	Okayama (Okayam	0.049
34	3/22 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.05
35	3/22 07:00 ~ 08:00	山口県	Yamaguchi (Yamag	0.09
36	3/22 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.038
37	3/22 07:00 ~ 08:00	香川県	Kagawa (Takamats	0.051
38	3/22 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.025
40	3/22 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.039
42	3/22 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 07:00 ~ 08:00	大分県	Oita (Oita)	0.049
45	3/22 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.022
3	3/22 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.036
4	3/22 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/22 08:00 ~ 09:00	秋田県	Akita (Akita)	0.036
6	3/22 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.098
7	3/22 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/22 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.394
9	3/22 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/22 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.112
11	3/22 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.113
12	3/22 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.085
13	3/22 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.128
14	3/22 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.105
15	3/22 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.047
16	3/22 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.047
17	3/22 08:00 ~ 09:00	石川県	Ishikawa (Kanazaw	0.048
18	3/22 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.048
19	3/22 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.059
20	3/22 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.055
21	3/22 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/22 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.065
23	3/22 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.04
24	3/22 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043
28	3/22 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 08:00 ~ 09:00	奈良県	Nara (Nara)	0.047
30	3/22 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.038
33	3/22 08:00 ~ 09:00	岡山県	Okayama (Okayam	0.049
34	3/22 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.049
35	3/22 08:00 ~ 09:00	山口県	Yamaguchi (Yamag	0.09
36	3/22 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.038
37	3/22 08:00 ~ 09:00	香川県	Kagawa (Takamats	0.051
38	3/22 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.025
40	3/22 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.039

42	3/22 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.026
44	3/22 08:00 ~ 09:00	大分県	Oita (Oita)	0.05
45	3/22 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.022
3	3/22 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.035
4	3/22 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/22 09:00 ~ 10:00	秋田県	Akita (Akita)	0.036
6	3/22 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.097
7	3/22 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/22 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.389
9	3/22 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.151
10	3/22 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.109
11	3/22 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.111
12	3/22 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.082
13	3/22 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.127
14	3/22 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.105
15	3/22 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.047
16	3/22 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.047
17	3/22 09:00 ~ 10:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.045
19	3/22 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.059
20	3/22 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.054
21	3/22 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.064
23	3/22 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.042
28	3/22 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 09:00 ~ 10:00	奈良県	Nara (Nara)	0.047
30	3/22 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.037
33	3/22 09:00 ~ 10:00	岡山県	Okayama (Okayama	0.049
34	3/22 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.049
35	3/22 09:00 ~ 10:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.037
37	3/22 09:00 ~ 10:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.025
40	3/22 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/22 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.026
44	3/22 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/22 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.023
1	3/22 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.022
3	3/22 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.034
4	3/22 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	

5	3/22 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/22 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.097
7	3/22 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/22 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.374
9	3/22 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.152
10	3/22 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.108
11	3/22 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.112
12	3/22 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.079
13	3/22 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.127
14	3/22 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.1
15	3/22 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.047
16	3/22 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.047
17	3/22 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.045
19	3/22 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.054
20	3/22 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.054
21	3/22 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.061
23	3/22 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.042
28	3/22 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 10:00 ~ 11:00	奈良県	Nara (Nara)	0.047
30	3/22 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.036
33	3/22 10:00 ~ 11:00	岡山県	Okayama (Okayama	0.048
34	3/22 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.048
35	3/22 10:00 ~ 11:00	山口県	Yamaguchi (Yamagu	0.089
36	3/22 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.038
37	3/22 10:00 ~ 11:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.024
40	3/22 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.04
42	3/22 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/22 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.023
1	3/22 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.022
3	3/22 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.033
4	3/22 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/22 11:00 ~ 12:00	秋田県	Akita (Akita)	0.035
6	3/22 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.096
7	3/22 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/22 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.379
9	3/22 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.153
10	3/22 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.109
11	3/22 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.112
12	3/22 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.083
13	3/22 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.128
14	3/22 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.099

15	3/22 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.047
16	3/22 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.047
17	3/22 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.045
19	3/22 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.049
20	3/22 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.055
21	3/22 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.061
23	3/22 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.042
28	3/22 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 11:00 ~ 12:00	奈良県	Nara (Nara)	0.047
30	3/22 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.036
33	3/22 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.048
34	3/22 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 11:00 ~ 12:00	山口県	Yamaguchi (Yamagı	0.09
36	3/22 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.038
37	3/22 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.053
38	3/22 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.025
40	3/22 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.04
42	3/22 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/22 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.022
3	3/22 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.033
4	3/22 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/22 12:00 ~ 13:00	秋田県	Akita (Akita)	0.035
6	3/22 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.096
7	3/22 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/22 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.376
9	3/22 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.154
10	3/22 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.11
11	3/22 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.109
12	3/22 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.086
13	3/22 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.128
14	3/22 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/22 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.047
16	3/22 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.048
17	3/22 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.045
19	3/22 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.048
20	3/22 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.055
21	3/22 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/22 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.057
23	3/22 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.046

25	3/22 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.042
28	3/22 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 12:00 ~ 13:00	奈良県	Nara (Nara)	0.047
30	3/22 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.036
33	3/22 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.048
34	3/22 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.037
37	3/22 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.025
40	3/22 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.04
42	3/22 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 12:00 ~ 13:00	大分県	Oita (Oita)	0.05
45	3/22 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.022
3	3/22 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.033
4	3/22 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/22 13:00 ~ 14:00	秋田県	Akita (Akita)	0.035
6	3/22 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.096
7	3/22 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/22 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.373
9	3/22 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.152
10	3/22 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.111
11	3/22 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.11
12	3/22 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.085
13	3/22 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.13
14	3/22 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.095
15	3/22 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.047
16	3/22 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.048
17	3/22 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.045
19	3/22 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.054
21	3/22 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.053
23	3/22 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.042
28	3/22 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 13:00 ~ 14:00	奈良県	Nara (Nara)	0.047
30	3/22 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/22 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.037
33	3/22 13:00 ~ 14:00	岡山県	Okayama (Okayama	0.048
34	3/22 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.047

35	3/22 13:00 ~ 14:00	山口県	Yamaguchi (Yamagı	0.09
36	3/22 13:00 ~ 14:00	徳島県	Tokushima (Tokusl	0.037
37	3/22 13:00 ~ 14:00	香川県	Kagawa (Takamatsı	0.053
38	3/22 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.025
40	3/22 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.04
42	3/22 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 13:00 ~ 14:00	大分県	Oita (Oita)	0.05
45	3/22 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.022
3	3/22 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.033
4	3/22 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/22 14:00 ~ 15:00	秋田県	Akita (Akita)	0.035
6	3/22 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.096
7	3/22 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/22 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.365
9	3/22 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.151
10	3/22 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.11
11	3/22 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.113
12	3/22 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.085
13	3/22 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-kı	0.137
14	3/22 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.096
15	3/22 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.046
16	3/22 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.048
17	3/22 14:00 ~ 15:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.045
19	3/22 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.054
21	3/22 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/22 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.042
28	3/22 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 14:00 ~ 15:00	奈良県	Nara (Nara)	0.047
30	3/22 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.037
33	3/22 14:00 ~ 15:00	岡山県	Okayama (Okayama	0.048
34	3/22 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 14:00 ~ 15:00	山口県	Yamaguchi (Yamagı	0.09
36	3/22 14:00 ~ 15:00	徳島県	Tokushima (Tokusl	0.038
37	3/22 14:00 ~ 15:00	香川県	Kagawa (Takamatsı	0.053
38	3/22 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.025
40	3/22 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.04
42	3/22 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 14:00 ~ 15:00	大分県	Oita (Oita)	0.05

45	3/22 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.022
3	3/22 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.033
4	3/22 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/22 15:00 ~ 16:00	秋田県	Akita (Akita)	0.035
6	3/22 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.096
7	3/22 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/22 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.366
9	3/22 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.15
10	3/22 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.11
11	3/22 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.114
12	3/22 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.104
13	3/22 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/22 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.096
15	3/22 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.047
16	3/22 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.049
17	3/22 15:00 ~ 16:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.046
19	3/22 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.054
21	3/22 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/22 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.042
28	3/22 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 15:00 ~ 16:00	奈良県	Nara (Nara)	0.047
30	3/22 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.041
33	3/22 15:00 ~ 16:00	岡山県	Okayama (Okayama	0.048
34	3/22 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 15:00 ~ 16:00	山口県	Yamaguchi (Yamagu	0.091
36	3/22 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.038
37	3/22 15:00 ~ 16:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.025
40	3/22 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.04
42	3/22 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/22 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 15:00 ~ 16:00	大分県	Oita (Oita)	0.05
45	3/22 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.022
3	3/22 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.033
4	3/22 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/22 16:00 ~ 17:00	秋田県	Akita (Akita)	0.035
6	3/22 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.095
7	3/22 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	

8	3/22 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.378
9	3/22 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/22 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.11
11	3/22 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.114
12	3/22 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.106
13	3/22 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.138
14	3/22 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.093
15	3/22 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.046
16	3/22 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.05
17	3/22 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.048
18	3/22 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.046
19	3/22 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.055
21	3/22 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/22 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.043
28	3/22 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 16:00 ~ 17:00	奈良県	Nara (Nara)	0.048
30	3/22 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/22 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.04
33	3/22 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.048
34	3/22 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 16:00 ~ 17:00	山口県	Yamaguchi (Yamagu	0.092
36	3/22 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.038
37	3/22 16:00 ~ 17:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.025
40	3/22 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.04
42	3/22 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 16:00 ~ 17:00	大分県	Oita (Oita)	0.05
45	3/22 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.023
3	3/22 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.033
4	3/22 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/22 17:00 ~ 18:00	秋田県	Akita (Akita)	0.035
6	3/22 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.095
7	3/22 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/22 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.363
9	3/22 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/22 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.111
11	3/22 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.114
12	3/22 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.104
13	3/22 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.138
14	3/22 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.094
15	3/22 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.047
16	3/22 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.053
17	3/22 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.049

18	3/22 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.045
19	3/22 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.054
21	3/22 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/22 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/22 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.04
27	3/22 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.043
28	3/22 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 17:00 ~ 18:00	奈良県	Nara (Nara)	0.048
30	3/22 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.038
33	3/22 17:00 ~ 18:00	岡山県	Okayama (Okayam	0.048
34	3/22 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 17:00 ~ 18:00	山口県	Yamaguchi (Yamag	0.092
36	3/22 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.038
37	3/22 17:00 ~ 18:00	香川県	Kagawa (Takamats	0.052
38	3/22 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.025
40	3/22 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04
42	3/22 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 17:00 ~ 18:00	大分県	Oita (Oita)	0.05
45	3/22 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.023
3	3/22 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.033
4	3/22 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/22 18:00 ~ 19:00	秋田県	Akita (Akita)	0.035
6	3/22 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.095
7	3/22 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/22 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.356
9	3/22 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/22 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.112
11	3/22 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	
12	3/22 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.112
13	3/22 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.14
14	3/22 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.095
15	3/22 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.047
16	3/22 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.052
17	3/22 18:00 ~ 19:00	石川県	Ishikawa (Kanazaw	0.053
18	3/22 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.045
19	3/22 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.055
21	3/22 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/22 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/22 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.04
24	3/22 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.047
25	3/22 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/22 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.039
27	3/22 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.042

28	3/22 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 18:00 ~ 19:00	奈良県	Nara (Nara)	0.048
30	3/22 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.037
33	3/22 18:00 ~ 19:00	岡山県	Okayama (Okayam	0.048
34	3/22 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 18:00 ~ 19:00	山口県	Yamaguchi (Yamag	0.092
36	3/22 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/22 18:00 ~ 19:00	香川県	Kagawa (Takamats	0.052
38	3/22 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.025
40	3/22 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/22 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 18:00 ~ 19:00	大分県	Oita (Oita)	0.05
45	3/22 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.023
3	3/22 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.033
4	3/22 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/22 19:00 ~ 20:00	秋田県	Akita (Akita)	0.035
6	3/22 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.095
7	3/22 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/22 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.378
9	3/22 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/22 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.112
11	3/22 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	
12	3/22 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.125
13	3/22 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.141
14	3/22 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.095
15	3/22 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.047
16	3/22 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.056
17	3/22 19:00 ~ 20:00	石川県	Ishikawa (Kanazaw	0.051
18	3/22 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.046
19	3/22 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.06
21	3/22 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/22 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.04
24	3/22 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.047
25	3/22 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.042
28	3/22 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 19:00 ~ 20:00	奈良県	Nara (Nara)	0.048
30	3/22 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/22 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.037
33	3/22 19:00 ~ 20:00	岡山県	Okayama (Okayam	0.048
34	3/22 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 19:00 ~ 20:00	山口県	Yamaguchi (Yamag	0.091
36	3/22 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/22 19:00 ~ 20:00	香川県	Kagawa (Takamats	0.052

38	3/22 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.025
40	3/22 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/22 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 19:00 ~ 20:00	大分県	Oita (Oita)	0.049
45	3/22 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.023
3	3/22 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.033
4	3/22 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/22 20:00 ~ 21:00	秋田県	Akita (Akita)	0.035
6	3/22 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.095
7	3/22 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/22 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.389
9	3/22 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.156
10	3/22 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.113
11	3/22 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.127
12	3/22 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.125
13	3/22 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.155
14	3/22 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.096
15	3/22 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.047
16	3/22 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.057
17	3/22 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.051
18	3/22 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.046
19	3/22 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.059
21	3/22 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/22 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.04
24	3/22 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.047
25	3/22 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.042
28	3/22 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 20:00 ~ 21:00	奈良県	Nara (Nara)	0.047
30	3/22 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.036
33	3/22 20:00 ~ 21:00	岡山県	Okayama (Okayama	0.048
34	3/22 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 20:00 ~ 21:00	山口県	Yamaguchi (Yamagu	0.091
36	3/22 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.037
37	3/22 20:00 ~ 21:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.025
40	3/22 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.04
42	3/22 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 20:00 ~ 21:00	大分県	Oita (Oita)	0.049
45	3/22 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021

1	3/22 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.023
3	3/22 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.033
4	3/22 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/22 21:00 ~ 22:00	秋田県	Akita (Akita)	0.035
6	3/22 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.093
7	3/22 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/22 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.361
9	3/22 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.158
10	3/22 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.113
11	3/22 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.127
12	3/22 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.122
13	3/22 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.151
14	3/22 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.096
15	3/22 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.047
16	3/22 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.061
17	3/22 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.051
18	3/22 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.049
19	3/22 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.056
21	3/22 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/22 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/22 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 21:00 ~ 22:00	奈良県	Nara (Nara)	0.048
30	3/22 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.036
33	3/22 21:00 ~ 22:00	岡山県	Okayama (Okayama	0.048
34	3/22 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 21:00 ~ 22:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/22 21:00 ~ 22:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/22 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/22 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/22 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.022
1	3/22 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.029
2	3/22 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.023
3	3/22 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.033
4	3/22 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/22 22:00 ~ 23:00	秋田県	Akita (Akita)	0.035
6	3/22 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.091
7	3/22 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/22 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.345
9	3/22 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.154
10	3/22 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.113

11	3/22 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.126
12	3/22 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.112
13	3/22 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.151
14	3/22 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.048
16	3/22 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.057
17	3/22 22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.053
18	3/22 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.05
19	3/22 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.055
21	3/22 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/22 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/22 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 22:00 ~ 23:00	奈良県	Nara (Nara)	0.048
30	3/22 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.036
33	3/22 22:00 ~ 23:00	岡山県	Okayama (Okayama	0.048
34	3/22 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 22:00 ~ 23:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.037
37	3/22 22:00 ~ 23:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/22 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/22 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/22 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.029
2	3/22 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.023
3	3/22 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.034
4	3/22 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/22 23:00 ~ 24:00	秋田県	Akita (Akita)	0.035
6	3/22 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.089
7	3/22 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/22 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.339
9	3/22 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.151
10	3/22 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.112
11	3/22 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.126
12	3/22 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.107
13	3/22 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.154
14	3/22 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.049
16	3/22 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.053
17	3/22 23:00 ~ 24:00	石川県	Ishikawa (Kanazawa	0.056
18	3/22 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.049
19	3/22 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.054

21	3/22 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/22 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.042
28	3/22 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 23:00 ~ 24:00	奈良県	Nara (Nara)	0.048
30	3/22 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.036
33	3/22 23:00 ~ 24:00	岡山県	Okayama (Okayama	0.048
34	3/22 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 23:00 ~ 24:00	山口県	Yamaguchi (Yamagu	0.091
36	3/22 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.038
37	3/22 23:00 ~ 24:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.025
40	3/22 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/22 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 23:00 ~ 24:00	大分県	Oita (Oita)	0.05
45	3/22 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.029
2	3/23 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.023
3	3/23 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.033
4	3/23 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/23 00:00 ~ 01:00	秋田県	Akita (Akita)	0.035
6	3/23 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.087
7	3/23 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/23 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.334
9	3/23 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.15
10	3/23 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.109
11	3/23 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.133
12	3/23 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.105
13	3/23 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.154
14	3/23 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.101
15	3/23 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.049
16	3/23 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.05
17	3/23 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.054
18	3/23 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.048
19	3/23 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.048
20	3/23 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.054
21	3/23 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/23 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.043
28	3/23 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.037
29	3/23 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/23 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.031

31	3/23 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.036
33	3/23 00:00 ~ 01:00	岡山県	Okayama (Okayam	0.048
34	3/23 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 00:00 ~ 01:00	山口県	Yamaguchi (Yamag	0.091
36	3/23 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/23 00:00 ~ 01:00	香川県	Kagawa (Takamats	0.052
38	3/23 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/23 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.025
40	3/23 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.04
42	3/23 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/23 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.023
3	3/23 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.032
4	3/23 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/23 01:00 ~ 02:00	秋田県	Akita (Akita)	0.035
6	3/23 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.086
7	3/23 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/23 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.33
9	3/23 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.149
10	3/23 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.109
11	3/23 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.134
12	3/23 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.1
13	3/23 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.152
14	3/23 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.107
15	3/23 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.049
16	3/23 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.048
17	3/23 01:00 ~ 02:00	石川県	Ishikawa (Kanazaw	0.052
18	3/23 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.048
19	3/23 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.047
20	3/23 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.054
21	3/23 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/23 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/23 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.04
24	3/23 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.042
28	3/23 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.037
29	3/23 01:00 ~ 02:00	奈良県	Nara (Nara)	0.048
30	3/23 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.032
31	3/23 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/23 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.037
33	3/23 01:00 ~ 02:00	岡山県	Okayama (Okayam	0.048
34	3/23 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 01:00 ~ 02:00	山口県	Yamaguchi (Yamag	0.091
36	3/23 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/23 01:00 ~ 02:00	香川県	Kagawa (Takamats	0.052
38	3/23 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/23 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.025
40	3/23 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.036

41	3/23 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.04
42	3/23 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/23 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.023
3	3/23 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.032
4	3/23 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/23 02:00 ~ 03:00	秋田県	Akita (Akita)	0.035
6	3/23 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.085
7	3/23 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/23 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.33
9	3/23 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.149
10	3/23 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.108
11	3/23 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.133
12	3/23 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.099
13	3/23 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.152
14	3/23 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.105
15	3/23 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.048
16	3/23 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.048
17	3/23 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.05
18	3/23 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.051
19	3/23 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.054
21	3/23 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/23 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.047
25	3/23 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/23 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.037
29	3/23 02:00 ~ 03:00	奈良県	Nara (Nara)	0.048
30	3/23 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.032
31	3/23 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.037
33	3/23 02:00 ~ 03:00	岡山県	Okayama (Okayama	0.048
34	3/23 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 02:00 ~ 03:00	山口県	Yamaguchi (Yamagu	0.092
36	3/23 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.038
37	3/23 02:00 ~ 03:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/23 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.025
40	3/23 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.04
42	3/23 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.028
44	3/23 02:00 ~ 03:00	大分県	Oita (Oita)	0.05
45	3/23 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.023
3	3/23 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.033

4	3/23 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/23 03:00 ~ 04:00	秋田県	Akita (Akita)	0.035
6	3/23 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.085
7	3/23 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/23 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.328
9	3/23 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.148
10	3/23 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.107
11	3/23 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.128
12	3/23 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.103
13	3/23 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.149
14	3/23 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.103
15	3/23 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.05
16	3/23 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.052
17	3/23 03:00 ~ 04:00	石川県	Ishikawa (Kanazawa	0.05
18	3/23 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.05
19	3/23 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.047
20	3/23 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.054
21	3/23 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/23 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.042
28	3/23 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.037
29	3/23 03:00 ~ 04:00	奈良県	Nara (Nara)	0.048
30	3/23 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.038
33	3/23 03:00 ~ 04:00	岡山県	Okayama (Okayama	0.049
34	3/23 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.048
35	3/23 03:00 ~ 04:00	山口県	Yamaguchi (Yamagu	0.092
36	3/23 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.038
37	3/23 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/23 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.025
40	3/23 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.04
42	3/23 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.028
44	3/23 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/23 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.023
3	3/23 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.033
4	3/23 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/23 04:00 ~ 05:00	秋田県	Akita (Akita)	0.035
6	3/23 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.086
7	3/23 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/23 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.325
9	3/23 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/23 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.107
11	3/23 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.126
12	3/23 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.102
13	3/23 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.148

14	3/23 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.103
15	3/23 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.049
16	3/23 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.05
17	3/23 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.049
18	3/23 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.048
19	3/23 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.053
21	3/23 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/23 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.042
28	3/23 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.037
29	3/23 04:00 ~ 05:00	奈良県	Nara (Nara)	0.048
30	3/23 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.032
31	3/23 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.037
33	3/23 04:00 ~ 05:00	岡山県	Okayama (Okayama	0.049
34	3/23 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.048
35	3/23 04:00 ~ 05:00	山口県	Yamaguchi (Yamagu	0.093
36	3/23 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.038
37	3/23 04:00 ~ 05:00	香川県	Kagawa (Takamatsu	0.053
38	3/23 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/23 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.025
40	3/23 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.04
42	3/23 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.028
44	3/23 04:00 ~ 05:00	大分県	Oita (Oita)	0.049
45	3/23 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.023
3	3/23 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.032
4	3/23 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/23 05:00 ~ 06:00	秋田県	Akita (Akita)	0.035
6	3/23 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.086
7	3/23 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/23 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.324
9	3/23 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.147
10	3/23 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.105
11	3/23 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.125
12	3/23 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.101
13	3/23 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.147
14	3/23 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.102
15	3/23 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.048
16	3/23 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.048
17	3/23 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.048
18	3/23 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.047
19	3/23 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.053
21	3/23 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/23 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.039

24	3/23 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.042
28	3/23 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 05:00 ~ 06:00	奈良県	Nara (Nara)	0.048
30	3/23 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.032
31	3/23 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.037
33	3/23 05:00 ~ 06:00	岡山県	Okayama (Okayam	0.049
34	3/23 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.049
35	3/23 05:00 ~ 06:00	山口県	Yamaguchi (Yamag	0.094
36	3/23 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.038
37	3/23 05:00 ~ 06:00	香川県	Kagawa (Takamats	0.052
38	3/23 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama	0.049
39	3/23 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.025
40	3/23 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.04
42	3/23 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/23 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.028
44	3/23 05:00 ~ 06:00	大分県	Oita (Oita)	0.049
45	3/23 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 06:00 ~ 07:00	北海道	Hokkaido (Sapporo	0.028
2	3/23 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.023
3	3/23 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.032
4	3/23 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/23 06:00 ~ 07:00	秋田県	Akita (Akita)	0.035
6	3/23 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.086
7	3/23 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/23 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.323
9	3/23 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.146
10	3/23 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.104
11	3/23 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.125
12	3/23 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.098
13	3/23 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-k	0.147
14	3/23 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.101
15	3/23 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.047
16	3/23 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.047
17	3/23 06:00 ~ 07:00	石川県	Ishikawa (Kanazaw	0.047
18	3/23 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.045
19	3/23 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.054
21	3/23 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/23 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.042
28	3/23 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 06:00 ~ 07:00	奈良県	Nara (Nara)	0.048
30	3/23 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.037
33	3/23 06:00 ~ 07:00	岡山県	Okayama (Okayam	0.05

34	3/23 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.048
35	3/23 06:00 ~ 07:00	山口県	Yamaguchi (Yamagı	0.095
36	3/23 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.038
37	3/23 06:00 ~ 07:00	香川県	Kagawa (Takamatsı	0.052
38	3/23 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/23 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.025
40	3/23 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.041
42	3/23 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/23 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.029
44	3/23 06:00 ~ 07:00	大分県	Oita (Oita)	0.05
45	3/23 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.024
3	3/23 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.032
4	3/23 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/23 07:00 ~ 08:00	秋田県	Akita (Akita)	0.034
6	3/23 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.086
7	3/23 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/23 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.322
9	3/23 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/23 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.103
11	3/23 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.124
12	3/23 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.1
13	3/23 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-kı	0.146
14	3/23 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.101
15	3/23 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.047
16	3/23 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.047
17	3/23 07:00 ~ 08:00	石川県	Ishikawa (Kanazaw	0.047
18	3/23 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.045
19	3/23 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.053
21	3/23 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/23 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.038
27	3/23 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/23 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 07:00 ~ 08:00	奈良県	Nara (Nara)	0.047
30	3/23 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.037
33	3/23 07:00 ~ 08:00	岡山県	Okayama (Okayam	0.05
34	3/23 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.049
35	3/23 07:00 ~ 08:00	山口県	Yamaguchi (Yamagı	0.095
36	3/23 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.038
37	3/23 07:00 ~ 08:00	香川県	Kagawa (Takamatsı	0.052
38	3/23 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/23 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.025
40	3/23 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.041
42	3/23 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.029

44	3/23 07:00 ~ 08:00	大分県	Oita (Oita)	0.05
45	3/23 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.023
3	3/23 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.032
4	3/23 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/23 08:00 ~ 09:00	秋田県	Akita (Akita)	0.035
6	3/23 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.086
7	3/23 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/23 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.322
9	3/23 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.145
10	3/23 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.102
11	3/23 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.123
12	3/23 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.097
13	3/23 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.146
14	3/23 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.099
15	3/23 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.046
16	3/23 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.047
17	3/23 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.047
18	3/23 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.045
19	3/23 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.053
21	3/23 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/23 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.042
28	3/23 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 08:00 ~ 09:00	奈良県	Nara (Nara)	0.047
30	3/23 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/23 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.037
33	3/23 08:00 ~ 09:00	岡山県	Okayama (Okayama	0.049
34	3/23 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.048
35	3/23 08:00 ~ 09:00	山口県	Yamaguchi (Yamagu	0.095
36	3/23 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.037
37	3/23 08:00 ~ 09:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/23 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.025
40	3/23 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/23 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.04
42	3/23 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.029
44	3/23 08:00 ~ 09:00	大分県	Oita (Oita)	0.05
45	3/23 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/23 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.024
3	3/23 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.031
4	3/23 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/23 09:00 ~ 10:00	秋田県	Akita (Akita)	0.034
6	3/23 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.085

7	3/23 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/23 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.321
9	3/23 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/23 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.101
11	3/23 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.123
12	3/23 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.097
13	3/23 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.146
14	3/23 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.099
15	3/23 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.046
16	3/23 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.047
17	3/23 09:00 ~ 10:00	石川県	Ishikawa (Kanazawa	0.046
18	3/23 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.045
19	3/23 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.045
20	3/23 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.052
21	3/23 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/23 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.045
25	3/23 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.042
28	3/23 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 09:00 ~ 10:00	奈良県	Nara (Nara)	0.047
30	3/23 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.037
33	3/23 09:00 ~ 10:00	岡山県	Okayama (Okayama	0.049
34	3/23 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 09:00 ~ 10:00	山口県	Yamaguchi (Yamagu	0.092
36	3/23 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.037
37	3/23 09:00 ~ 10:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/23 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.025
40	3/23 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/23 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.028
44	3/23 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/23 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.024
3	3/23 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.031
4	3/23 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/23 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/23 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.085
7	3/23 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/23 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.32
9	3/23 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/23 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.1
11	3/23 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.122
12	3/23 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.097
13	3/23 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.145
14	3/23 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/23 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.046
16	3/23 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.048

17	3/23	10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.046
18	3/23	10:00 ~ 11:00	福井県	Fukui (Fukui)	0.045
19	3/23	10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23	10:00 ~ 11:00	長野県	Nagano (Nagano)	0.053
21	3/23	10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23	10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.051
23	3/23	10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.039
24	3/23	10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.045
25	3/23	10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23	10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.037
27	3/23	10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.042
28	3/23	10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23	10:00 ~ 11:00	奈良県	Nara (Nara)	0.047
30	3/23	10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23	10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/23	10:00 ~ 11:00	島根県	Shimane (Matsue)	0.036
33	3/23	10:00 ~ 11:00	岡山県	Okayama (Okayama	0.049
34	3/23	10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23	10:00 ~ 11:00	山口県	Yamaguchi (Yamagu	0.09
36	3/23	10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.037
37	3/23	10:00 ~ 11:00	香川県	Kagawa (Takamatsu	0.053
38	3/23	10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23	10:00 ~ 11:00	高知県	Kochi (Kochi)	0.025
40	3/23	10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23	10:00 ~ 11:00	佐賀県	Saga (Saga)	0.04
42	3/23	10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23	10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.027
44	3/23	10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/23	10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/23	10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23	10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23	11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23	11:00 ~ 12:00	青森県	Aomori (Aomori)	0.025
3	3/23	11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.031
4	3/23	11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/23	11:00 ~ 12:00	秋田県	Akita (Akita)	0.036
6	3/23	11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.085
7	3/23	11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/23	11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.33
9	3/23	11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.143
10	3/23	11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.099
11	3/23	11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.122
12	3/23	11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.097
13	3/23	11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.145
14	3/23	11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/23	11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.046
16	3/23	11:00 ~ 12:00	富山県	Toyama (Imizu)	0.049
17	3/23	11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.047
18	3/23	11:00 ~ 12:00	福井県	Fukui (Fukui)	0.045
19	3/23	11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23	11:00 ~ 12:00	長野県	Nagano (Nagano)	0.053
21	3/23	11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23	11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.051
23	3/23	11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.038
24	3/23	11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.045
25	3/23	11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23	11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.037

27	3/23 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.042
28	3/23 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 11:00 ~ 12:00	奈良県	Nara (Nara)	0.047
30	3/23 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.036
33	3/23 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.048
34	3/23 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 11:00 ~ 12:00	山口県	Yamaguchi (Yamagu	0.09
36	3/23 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.038
37	3/23 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.025
40	3/23 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.039
42	3/23 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 11:00 ~ 12:00	大分県	Oita (Oita)	0.049
45	3/23 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/23 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.024
3	3/23 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.031
4	3/23 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/23 12:00 ~ 13:00	秋田県	Akita (Akita)	0.037
6	3/23 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.084
7	3/23 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/23 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.361
9	3/23 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.144
10	3/23 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.098
11	3/23 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.121
12	3/23 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.096
13	3/23 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.144
14	3/23 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/23 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.046
16	3/23 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.048
17	3/23 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.047
18	3/23 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.045
19	3/23 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.052
21	3/23 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.051
23	3/23 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.045
25	3/23 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.042
28	3/23 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 12:00 ~ 13:00	奈良県	Nara (Nara)	0.047
30	3/23 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.062
32	3/23 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.036
33	3/23 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.048
34	3/23 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.09
36	3/23 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.037

37	3/23 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.025
40	3/23 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/23 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.039
42	3/23 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 12:00 ~ 13:00	大分県	Oita (Oita)	0.049
45	3/23 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/23 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.029
2	3/23 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.024
3	3/23 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.031
4	3/23 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/23 13:00 ~ 14:00	秋田県	Akita (Akita)	0.036
6	3/23 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.084
7	3/23 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/23 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.35
9	3/23 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.143
10	3/23 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.097
11	3/23 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.121
12	3/23 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.097
13	3/23 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.144
14	3/23 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/23 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.046
16	3/23 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.049
17	3/23 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.047
18	3/23 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.045
19	3/23 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.052
21	3/23 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/23 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.045
25	3/23 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.042
28	3/23 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 13:00 ~ 14:00	奈良県	Nara (Nara)	0.047
30	3/23 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.036
33	3/23 13:00 ~ 14:00	岡山県	Okayama (Okayama	0.048
34	3/23 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.046
35	3/23 13:00 ~ 14:00	山口県	Yamaguchi (Yamagu	0.09
36	3/23 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.038
37	3/23 13:00 ~ 14:00	香川県	Kagawa (Takamatsu	0.052
38	3/23 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.025
40	3/23 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.039
42	3/23 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 13:00 ~ 14:00	大分県	Oita (Oita)	0.049
45	3/23 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/23 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.034

47	3/23 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.029
2	3/23 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.027
3	3/23 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.031
4	3/23 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/23 14:00 ~ 15:00	秋田県	Akita (Akita)	0.036
6	3/23 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.084
7	3/23 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/23 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.357
9	3/23 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.142
10	3/23 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.097
11	3/23 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.12
12	3/23 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.101
13	3/23 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.143
14	3/23 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/23 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.047
16	3/23 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.05
17	3/23 14:00 ~ 15:00	石川県	Ishikawa (Kanazawa	0.046
18	3/23 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.045
19	3/23 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.045
20	3/23 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.052
21	3/23 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/23 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.045
25	3/23 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/23 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.042
28	3/23 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 14:00 ~ 15:00	奈良県	Nara (Nara)	0.047
30	3/23 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.036
33	3/23 14:00 ~ 15:00	岡山県	Okayama (Okayama	0.048
34	3/23 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 14:00 ~ 15:00	山口県	Yamaguchi (Yamagu	0.09
36	3/23 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.038
37	3/23 14:00 ~ 15:00	香川県	Kagawa (Takamatsu	0.053
38	3/23 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.025
40	3/23 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.039
42	3/23 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 14:00 ~ 15:00	大分県	Oita (Oita)	0.049
45	3/23 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/23 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.028
2	3/23 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.025
3	3/23 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.031
4	3/23 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/23 15:00 ~ 16:00	秋田県	Akita (Akita)	0.035
6	3/23 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.084
7	3/23 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/23 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.348
9	3/23 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.142

10	3/23 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.096
11	3/23 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	
12	3/23 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.104
13	3/23 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.143
14	3/23 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/23 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.048
16	3/23 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.049
17	3/23 15:00 ~ 16:00	石川県	Ishikawa (Kanazawa	0.045
18	3/23 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.044
19	3/23 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.046
20	3/23 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.052
21	3/23 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/23 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.042
28	3/23 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 15:00 ~ 16:00	奈良県	Nara (Nara)	0.047
30	3/23 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.036
33	3/23 15:00 ~ 16:00	岡山県	Okayama (Okayama	0.048
34	3/23 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 15:00 ~ 16:00	山口県	Yamaguchi (Yamagu	0.09
36	3/23 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.037
37	3/23 15:00 ~ 16:00	香川県	Kagawa (Takamatsu	0.053
38	3/23 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.025
40	3/23 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.039
42	3/23 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/23 15:00 ~ 16:00	大分県	Oita (Oita)	0.05
45	3/23 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/23 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.029
2	3/23 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.023
3	3/23 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.031
4	3/23 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/23 16:00 ~ 17:00	秋田県	Akita (Akita)	0.035
6	3/23 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.084
7	3/23 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/23 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.343
9	3/23 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.141
10	3/23 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.096
11	3/23 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	
12	3/23 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.104
13	3/23 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.146
14	3/23 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/23 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.048
16	3/23 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.048
17	3/23 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.046
18	3/23 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.044
19	3/23 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.047

20	3/23 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.052
21	3/23 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/23 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/23 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.039
24	3/23 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.046
25	3/23 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/23 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.037
27	3/23 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.042
28	3/23 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.036
29	3/23 16:00 ~ 17:00	奈良県	Nara (Nara)	0.047
30	3/23 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.031
31	3/23 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/23 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/23 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.048
34	3/23 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.047
35	3/23 16:00 ~ 17:00	山口県	Yamaguchi (Yamagı	0.09
36	3/23 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.038
37	3/23 16:00 ~ 17:00	香川県	Kagawa (Takamatsı	0.052
38	3/23 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/23 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.025
40	3/23 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/23 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.039
42	3/23 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/23 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.026
44	3/23 16:00 ~ 17:00	大分県	Oita (Oita)	0.049
45	3/23 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/23 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/23 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021
1	3/23 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.03
2	3/22 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.024
3	3/22 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.031
4	3/22 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/22 17:00 ~ 18:00	秋田県	Akita (Akita)	0.035
6	3/22 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.084
7	3/22 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/22 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.338
9	3/22 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/22 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.095
11	3/22 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	
12	3/22 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.106
13	3/22 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-ku	0.145
14	3/22 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.047
16	3/22 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.047
17	3/22 17:00 ~ 18:00	石川県	Ishikawa (Kanazawa	0.046
18	3/22 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.045
19	3/22 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.055
20	3/22 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.052
21	3/22 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/22 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.045
25	3/22 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.042
28	3/22 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047

30	3/22 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.036
33	3/22 17:00 ~ 18:00	岡山県	Okayama (Okayam	0.049
34	3/22 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 17:00 ~ 18:00	山口県	Yamaguchi (Yamag	0.09
36	3/22 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.037
37	3/22 17:00 ~ 18:00	香川県	Kagawa (Takamats	0.052
38	3/22 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.025
40	3/22 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.039
42	3/22 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.026
44	3/22 17:00 ~ 18:00	大分県	Oita (Oita)	0.049
45	3/22 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.031
2	3/22 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.025
3	3/22 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.031
4	3/22 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/22 18:00 ~ 19:00	秋田県	Akita (Akita)	0.035
6	3/22 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.084
7	3/22 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/22 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.329
9	3/22 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/22 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.096
11	3/22 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.123
12	3/22 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.109
13	3/22 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.144
14	3/22 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.047
16	3/22 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.047
17	3/22 18:00 ~ 19:00	石川県	Ishikawa (Kanazaw	0.047
18	3/22 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.045
19	3/22 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.065
20	3/22 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.052
21	3/22 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/22 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.042
28	3/22 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 18:00 ~ 19:00	奈良県	Nara (Nara)	0.047
30	3/22 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.036
33	3/22 18:00 ~ 19:00	岡山県	Okayama (Okayam	0.051
34	3/22 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 18:00 ~ 19:00	山口県	Yamaguchi (Yamag	0.091
36	3/22 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.038
37	3/22 18:00 ~ 19:00	香川県	Kagawa (Takamats	0.052
38	3/22 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.025

40	3/22 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.039
42	3/22 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.028
43	3/22 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 18:00 ~ 19:00	大分県	Oita (Oita)	0.049
45	3/22 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.029
2	3/22 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.029
3	3/22 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.032
4	3/22 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	
5	3/22 19:00 ~ 20:00	秋田県	Akita (Akita)	0.035
6	3/22 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.084
7	3/22 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/22 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.327
9	3/22 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/22 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.096
11	3/22 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.125
12	3/22 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.108
13	3/22 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.147
14	3/22 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.047
16	3/22 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.047
17	3/22 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.045
19	3/22 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.063
20	3/22 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.052
21	3/22 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/22 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.037
27	3/22 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.042
28	3/22 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 19:00 ~ 20:00	奈良県	Nara (Nara)	0.047
30	3/22 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.036
33	3/22 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.05
34	3/22 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.09
36	3/22 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/22 19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.053
38	3/22 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/22 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.025
40	3/22 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/22 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.026
44	3/22 19:00 ~ 20:00	大分県	Oita (Oita)	0.049
45	3/22 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.029
2	3/22 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.029

3	3/22 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.031
4	3/22 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/22 20:00 ~ 21:00	秋田県	Akita (Akita)	0.036
6	3/22 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.084
7	3/22 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/22 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.324
9	3/22 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.14
10	3/22 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.096
11	3/22 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.127
12	3/22 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.109
13	3/22 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.148
14	3/22 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.047
16	3/22 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.047
17	3/22 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.045
19	3/22 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.057
20	3/22 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.052
21	3/22 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/22 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.042
28	3/22 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 20:00 ~ 21:00	奈良県	Nara (Nara)	0.047
30	3/22 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.037
33	3/22 20:00 ~ 21:00	岡山県	Okayama (Okayama	0.049
34	3/22 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 20:00 ~ 21:00	山口県	Yamaguchi (Yamagu	0.091
36	3/22 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.038
37	3/22 20:00 ~ 21:00	香川県	Kagawa (Takamatsu	0.052
38	3/22 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.025
40	3/22 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.04
42	3/22 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.026
44	3/22 20:00 ~ 21:00	大分県	Oita (Oita)	0.049
45	3/22 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.029
2	3/22 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.026
3	3/22 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.031
4	3/22 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/22 21:00 ~ 22:00	秋田県	Akita (Akita)	0.037
6	3/22 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.084
7	3/22 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/22 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.322
9	3/22 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.139
10	3/22 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.096
11	3/22 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.137
12	3/22 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.107

13	3/22 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.146
14	3/22 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.1
15	3/22 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.047
16	3/22 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.048
17	3/22 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.045
19	3/22 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.05
20	3/22 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.052
21	3/22 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/22 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.032
26	3/22 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/22 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 21:00 ~ 22:00	奈良県	Nara (Nara)	0.047
30	3/22 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.031
31	3/22 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/22 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.038
33	3/22 21:00 ~ 22:00	岡山県	Okayama (Okayama	0.049
34	3/22 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.046
35	3/22 21:00 ~ 22:00	山口県	Yamaguchi (Yamagu	0.091
36	3/22 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.038
37	3/22 21:00 ~ 22:00	香川県	Kagawa (Takamatsu	0.053
38	3/22 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/22 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/22 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.026
44	3/22 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/22 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/22 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/22 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.025
3	3/22 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.031
4	3/22 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/22 22:00 ~ 23:00	秋田県	Akita (Akita)	0.038
6	3/22 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.085
7	3/22 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/22 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.319
9	3/22 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.139
10	3/22 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.095
11	3/22 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.128
12	3/22 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.104
13	3/22 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.143
14	3/22 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.099
15	3/22 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.047
16	3/22 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.048
17	3/22 22:00 ~ 23:00	石川県	Ishikawa (Kanazawa	0.047
18	3/22 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.046
19	3/22 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.047
20	3/22 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.052
21	3/22 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.047

23	3/22 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/22 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.036
29	3/22 22:00 ~ 23:00	奈良県	Nara (Nara)	0.048
30	3/22 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/22 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.038
33	3/22 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.048
34	3/22 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 22:00 ~ 23:00	山口県	Yamaguchi (Yamag	0.092
36	3/22 22:00 ~ 23:00	徳島県	Tokushima (Tokush	0.038
37	3/22 22:00 ~ 23:00	香川県	Kagawa (Takamats	0.055
38	3/22 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.025
40	3/22 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/22 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 22:00 ~ 23:00	大分県	Oita (Oita)	0.049
45	3/22 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/22 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/22 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.025
3	3/22 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.032
4	3/22 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/22 23:00 ~ 24:00	秋田県	Akita (Akita)	0.038
6	3/22 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.085
7	3/22 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/22 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.318
9	3/22 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.138
10	3/22 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.096
11	3/22 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.122
12	3/22 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.102
13	3/22 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-ku	0.141
14	3/22 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.098
15	3/22 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.046
16	3/22 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.048
17	3/22 23:00 ~ 24:00	石川県	Ishikawa (Kanazaw	0.048
18	3/22 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.046
19	3/22 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.046
20	3/22 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.052
21	3/22 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/22 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/22 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.039
24	3/22 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.046
25	3/22 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/22 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.038
27	3/22 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.043
28	3/22 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.037
29	3/22 23:00 ~ 24:00	奈良県	Nara (Nara)	0.048
30	3/22 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/22 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/22 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.038

33	3/22 23:00 ~ 24:00	岡山県	Okayama (Okayam	0.049
34	3/22 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.047
35	3/22 23:00 ~ 24:00	山口県	Yamaguchi (Yamag	0.092
36	3/22 23:00 ~ 24:00	徳島県	Tokushima (Tokush	0.038
37	3/22 23:00 ~ 24:00	香川県	Kagawa (Takamats	0.056
38	3/22 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/22 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.026
40	3/22 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/22 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/22 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/22 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.027
44	3/22 23:00 ~ 24:00	大分県	Oita (Oita)	0.049
45	3/22 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/22 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/22 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.026
3	3/24 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.032
4	3/24 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/24 00:00 ~ 01:00	秋田県	Akita (Akita)	0.036
6	3/24 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.085
7	3/24 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/24 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.317
9	3/24 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.138
10	3/24 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.095
11	3/24 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.12
12	3/24 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.101
13	3/24 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.14
14	3/24 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/24 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.046
16	3/24 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.048
17	3/24 00:00 ~ 01:00	石川県	Ishikawa (Kanazaw	0.048
18	3/24 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.046
19	3/24 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.052
21	3/24 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/24 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.043
28	3/24 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/24 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/24 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.037
33	3/24 00:00 ~ 01:00	岡山県	Okayama (Okayam	0.049
34	3/24 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.047
35	3/24 00:00 ~ 01:00	山口県	Yamaguchi (Yamag	0.094
36	3/24 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/24 00:00 ~ 01:00	香川県	Kagawa (Takamats	0.055
38	3/24 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/24 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.026
40	3/24 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.04
42	3/24 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029

43	3/24 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 00:00 ~ 01:00	大分県	Oita (Oita)	0.049
45	3/24 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.025
3	3/24 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.032
4	3/24 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/24 01:00 ~ 02:00	秋田県	Akita (Akita)	0.035
6	3/24 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.084
7	3/24 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	
8	3/24 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.315
9	3/24 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.138
10	3/24 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.095
11	3/24 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.12
12	3/24 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.1
13	3/24 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.14
14	3/24 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/24 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.046
16	3/24 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.049
17	3/24 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.048
18	3/24 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.046
19	3/24 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.052
21	3/24 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/24 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/24 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.043
28	3/24 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 01:00 ~ 02:00	奈良県	Nara (Nara)	0.048
30	3/24 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/24 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.037
33	3/24 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.049
34	3/24 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.047
35	3/24 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.094
36	3/24 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/24 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.055
38	3/24 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/24 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.026
40	3/24 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.04
42	3/24 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 01:00 ~ 02:00	大分県	Oita (Oita)	0.05
45	3/24 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.024
3	3/24 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.032
4	3/24 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/24 02:00 ~ 03:00	秋田県	Akita (Akita)	0.035

6	3/24 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.084
7	3/24 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/24 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.314
9	3/24 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.137
10	3/24 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.095
11	3/24 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.119
12	3/24 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.1
13	3/24 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/24 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.047
16	3/24 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.049
17	3/24 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.048
18	3/24 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.045
19	3/24 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.053
21	3/24 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/24 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/24 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 02:00 ~ 03:00	奈良県	Nara (Nara)	0.048
30	3/24 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/24 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.037
33	3/24 02:00 ~ 03:00	岡山県	Okayama (Okayama	0.05
34	3/24 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.048
35	3/24 02:00 ~ 03:00	山口県	Yamaguchi (Yamagu	0.095
36	3/24 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.038
37	3/24 02:00 ~ 03:00	香川県	Kagawa (Takamatsu	0.057
38	3/24 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/24 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.026
40	3/24 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.04
42	3/24 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 02:00 ~ 03:00	大分県	Oita (Oita)	0.05
45	3/24 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.023
3	3/24 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.032
4	3/24 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/24 03:00 ~ 04:00	秋田県	Akita (Akita)	0.036
6	3/24 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.084
7	3/24 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/24 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.312
9	3/24 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.137
10	3/24 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.094
11	3/24 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.119
12	3/24 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.1
13	3/24 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.097
15	3/24 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.048

16	3/24 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.049
17	3/24 03:00 ~ 04:00	石川県	Ishikawa (Kanazawa	0.048
18	3/24 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.046
19	3/24 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.053
21	3/24 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/24 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.043
28	3/24 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 03:00 ~ 04:00	奈良県	Nara (Nara)	0.048
30	3/24 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/24 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.038
33	3/24 03:00 ~ 04:00	岡山県	Okayama (Okayama	0.05
34	3/24 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.049
35	3/24 03:00 ~ 04:00	山口県	Yamaguchi (Yamagu	0.095
36	3/24 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.039
37	3/24 03:00 ~ 04:00	香川県	Kagawa (Takamatsu	0.056
38	3/24 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/24 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.025
40	3/24 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.04
42	3/24 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.028
44	3/24 03:00 ~ 04:00	大分県	Oita (Oita)	0.05
45	3/24 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.024
3	3/24 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.032
4	3/24 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/24 04:00 ~ 05:00	秋田県	Akita (Akita)	0.035
6	3/24 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.084
7	3/24 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/24 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.312
9	3/24 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.137
10	3/24 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.094
11	3/24 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.119
12	3/24 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.099
13	3/24 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.095
15	3/24 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.048
16	3/24 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.049
17	3/24 04:00 ~ 05:00	石川県	Ishikawa (Kanazawa	0.048
18	3/24 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.046
19	3/24 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.054
21	3/24 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.041
24	3/24 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.034

26	3/24 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.043
28	3/24 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.038
29	3/24 04:00 ~ 05:00	奈良県	Nara (Nara)	0.048
30	3/24 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.033
31	3/24 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/24 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.038
33	3/24 04:00 ~ 05:00	岡山県	Okayama (Okayam	0.05
34	3/24 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.049
35	3/24 04:00 ~ 05:00	山口県	Yamaguchi (Yamag	0.096
36	3/24 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.04
37	3/24 04:00 ~ 05:00	香川県	Kagawa (Takamats	0.056
38	3/24 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/24 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.025
40	3/24 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.041
42	3/24 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.029
44	3/24 04:00 ~ 05:00	大分県	Oita (Oita)	0.05
45	3/24 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.023
3	3/24 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.033
4	3/24 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/24 05:00 ~ 06:00	秋田県	Akita (Akita)	0.035
6	3/24 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.084
7	3/24 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/24 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.311
9	3/24 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.136
10	3/24 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.094
11	3/24 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.119
12	3/24 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.098
13	3/24 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.096
15	3/24 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.047
16	3/24 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.05
17	3/24 05:00 ~ 06:00	石川県	Ishikawa (Kanazaw	0.048
18	3/24 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.046
19	3/24 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.054
21	3/24 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.041
24	3/24 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.043
28	3/24 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 05:00 ~ 06:00	奈良県	Nara (Nara)	0.048
30	3/24 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.033
31	3/24 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/24 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.038
33	3/24 05:00 ~ 06:00	岡山県	Okayama (Okayam	0.05
34	3/24 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.05
35	3/24 05:00 ~ 06:00	山口県	Yamaguchi (Yamag	0.096

36	3/24 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.039
37	3/24 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.058
38	3/24 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.051
39	3/24 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.025
40	3/24 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.041
42	3/24 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.029
44	3/24 05:00 ~ 06:00	大分県	Oita (Oita)	0.05
45	3/24 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.023
3	3/24 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.033
4	3/24 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/24 06:00 ~ 07:00	秋田県	Akita (Akita)	0.035
6	3/24 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.084
7	3/24 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/24 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.309
9	3/24 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.136
10	3/24 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.094
11	3/24 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.118
12	3/24 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.098
13	3/24 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.096
15	3/24 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.047
16	3/24 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.049
17	3/24 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.047
18	3/24 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.046
19	3/24 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.054
21	3/24 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/24 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.041
24	3/24 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.043
28	3/24 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 06:00 ~ 07:00	奈良県	Nara (Nara)	0.048
30	3/24 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.033
31	3/24 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.041
33	3/24 06:00 ~ 07:00	岡山県	Okayama (Okayama	0.051
34	3/24 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.05
35	3/24 06:00 ~ 07:00	山口県	Yamaguchi (Yamagu	0.098
36	3/24 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.039
37	3/24 06:00 ~ 07:00	香川県	Kagawa (Takamatsu	0.056
38	3/24 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/24 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.026
40	3/24 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/24 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.041
42	3/24 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.028
44	3/24 06:00 ~ 07:00	大分県	Oita (Oita)	0.05
45	3/24 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.027

46	3/24 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.029
2	3/24 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.023
3	3/24 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.033
4	3/24 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/24 07:00 ~ 08:00	秋田県	Akita (Akita)	0.035
6	3/24 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.084
7	3/24 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/24 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.308
9	3/24 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.135
10	3/24 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.093
11	3/24 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.118
12	3/24 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.098
13	3/24 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.095
15	3/24 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.048
16	3/24 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.049
17	3/24 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.048
18	3/24 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.048
19	3/24 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.053
21	3/24 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/24 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.041
24	3/24 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.043
28	3/24 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 07:00 ~ 08:00	奈良県	Nara (Nara)	0.048
30	3/24 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.033
31	3/24 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.04
33	3/24 07:00 ~ 08:00	岡山県	Okayama (Okayama	0.05
34	3/24 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.05
35	3/24 07:00 ~ 08:00	山口県	Yamaguchi (Yamagu	0.096
36	3/24 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.039
37	3/24 07:00 ~ 08:00	香川県	Kagawa (Takamatsu	0.052
38	3/24 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/24 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.026
40	3/24 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.041
42	3/24 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.028
44	3/24 07:00 ~ 08:00	大分県	Oita (Oita)	0.051
45	3/24 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.023
3	3/24 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.032
4	3/24 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/24 08:00 ~ 09:00	秋田県	Akita (Akita)	0.035
6	3/24 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.083
7	3/24 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/24 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.306

9	3/24 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.135
10	3/24 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.092
11	3/24 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.118
12	3/24 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.097
13	3/24 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.139
14	3/24 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.094
15	3/24 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.047
16	3/24 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.049
17	3/24 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.049
18	3/24 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.048
19	3/24 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.054
21	3/24 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/24 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.041
24	3/24 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.043
28	3/24 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 08:00 ~ 09:00	奈良県	Nara (Nara)	0.048
30	3/24 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.033
31	3/24 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/24 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.038
33	3/24 08:00 ~ 09:00	岡山県	Okayama (Okayama	0.05
34	3/24 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.05
35	3/24 08:00 ~ 09:00	山口県	Yamaguchi (Yamagu	0.096
36	3/24 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.038
37	3/24 08:00 ~ 09:00	香川県	Kagawa (Takamatsu	0.052
38	3/24 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/24 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.026
40	3/24 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.041
42	3/24 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.029
44	3/24 08:00 ~ 09:00	大分県	Oita (Oita)	0.051
45	3/24 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.022
3	3/24 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.031
4	3/24 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/24 09:00 ~ 10:00	秋田県	Akita (Akita)	0.035
6	3/24 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.083
7	3/24 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/24 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.304
9	3/24 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.134
10	3/24 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.091
11	3/24 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.117
12	3/24 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.097
13	3/24 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.138
14	3/24 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.093
15	3/24 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.047
16	3/24 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.05
17	3/24 09:00 ~ 10:00	石川県	Ishikawa (Kanazawa	0.048
18	3/24 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.046

19	3/24 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.053
21	3/24 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.043
28	3/24 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 09:00 ~ 10:00	奈良県	Nara (Nara)	0.048
30	3/24 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.037
33	3/24 09:00 ~ 10:00	岡山県	Okayama (Okayama	0.049
34	3/24 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.049
35	3/24 09:00 ~ 10:00	山口県	Yamaguchi (Yamagu	0.094
36	3/24 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.038
37	3/24 09:00 ~ 10:00	香川県	Kagawa (Takamatsu	0.053
38	3/24 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/24 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.026
40	3/24 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/24 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.029
44	3/24 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/24 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.022
3	3/24 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.031
4	3/24 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/24 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/24 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.082
7	3/24 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/24 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.303
9	3/24 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.134
10	3/24 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.09
11	3/24 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.116
12	3/24 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.096
13	3/24 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.138
14	3/24 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.093
15	3/24 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.047
16	3/24 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.049
17	3/24 10:00 ~ 11:00	石川県	Ishikawa (Kanazawa	0.047
18	3/24 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.045
19	3/24 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.052
21	3/24 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.043
28	3/24 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.037

29	3/24 10:00 ~ 11:00	奈良県	Nara (Nara)	0.047
30	3/24 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.036
33	3/24 10:00 ~ 11:00	岡山県	Okayama (Okayam	0.048
34	3/24 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.048
35	3/24 10:00 ~ 11:00	山口県	Yamaguchi (Yamag	0.092
36	3/24 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.037
37	3/24 10:00 ~ 11:00	香川県	Kagawa (Takamats	0.052
38	3/24 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.025
40	3/24 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.041
42	3/24 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.028
44	3/24 10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/24 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.022
3	3/24 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.03
4	3/24 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/24 11:00 ~ 12:00	秋田県	Akita (Akita)	0.041
6	3/24 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.082
7	3/24 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/24 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.302
9	3/24 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.133
10	3/24 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.089
11	3/24 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.116
12	3/24 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.096
13	3/24 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.138
14	3/24 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.047
16	3/24 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.048
17	3/24 11:00 ~ 12:00	石川県	Ishikawa (Kanazaw	0.047
18	3/24 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.048
19	3/24 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.052
21	3/24 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.043
28	3/24 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 11:00 ~ 12:00	奈良県	Nara (Nara)	0.047
30	3/24 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/24 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.036
33	3/24 11:00 ~ 12:00	岡山県	Okayama (Okayam	0.049
34	3/24 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.048
35	3/24 11:00 ~ 12:00	山口県	Yamaguchi (Yamag	0.09
36	3/24 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.038
37	3/24 11:00 ~ 12:00	香川県	Kagawa (Takamats	0.052
38	3/24 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.047

39	3/24 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.025
40	3/24 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.04
42	3/24 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/24 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.023
3	3/24 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.031
4	3/24 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/24 12:00 ~ 13:00	秋田県	Akita (Akita)	0.048
6	3/24 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.082
7	3/24 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/24 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.301
9	3/24 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.132
10	3/24 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.088
11	3/24 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.115
12	3/24 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.095
13	3/24 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.138
14	3/24 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.049
16	3/24 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.048
17	3/24 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.047
18	3/24 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.052
19	3/24 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.051
21	3/24 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.042
28	3/24 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 12:00 ~ 13:00	奈良県	Nara (Nara)	0.047
30	3/24 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.031
31	3/24 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.036
33	3/24 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.048
34	3/24 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.047
35	3/24 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.09
36	3/24 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.037
37	3/24 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.052
38	3/24 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.025
40	3/24 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.04
42	3/24 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 12:00 ~ 13:00	大分県	Oita (Oita)	0.05
45	3/24 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.028

2	3/24 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.023
3	3/24 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.031
4	3/24 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/24 13:00 ~ 14:00	秋田県	Akita (Akita)	0.049
6	3/24 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.082
7	3/24 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/24 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.3
9	3/24 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.131
10	3/24 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.088
11	3/24 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.115
12	3/24 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.095
13	3/24 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.137
14	3/24 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.05
16	3/24 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.048
17	3/24 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.051
18	3/24 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.054
19	3/24 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.051
21	3/24 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/24 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.043
28	3/24 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 13:00 ~ 14:00	奈良県	Nara (Nara)	0.047
30	3/24 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.031
31	3/24 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.036
33	3/24 13:00 ~ 14:00	岡山県	Okayama (Okayama	0.048
34	3/24 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.046
35	3/24 13:00 ~ 14:00	山口県	Yamaguchi (Yamagu	0.09
36	3/24 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.037
37	3/24 13:00 ~ 14:00	香川県	Kagawa (Takamatsu	0.055
38	3/24 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.025
40	3/24 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.04
42	3/24 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 13:00 ~ 14:00	大分県	Oita (Oita)	0.049
45	3/24 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.024
3	3/24 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.032
4	3/24 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/24 14:00 ~ 15:00	秋田県	Akita (Akita)	0.042
6	3/24 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.083
7	3/24 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/24 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.299
9	3/24 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.131
10	3/24 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.115

12	3/24 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.095
13	3/24 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.136
14	3/24 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.048
16	3/24 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.052
17	3/24 14:00 ~ 15:00	石川県	Ishikawa (Kanazawa	0.054
18	3/24 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.055
19	3/24 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.051
21	3/24 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/24 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.043
28	3/24 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 14:00 ~ 15:00	奈良県	Nara (Nara)	0.047
30	3/24 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.031
31	3/24 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.036
33	3/24 14:00 ~ 15:00	岡山県	Okayama (Okayama	0.048
34	3/24 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.046
35	3/24 14:00 ~ 15:00	山口県	Yamaguchi (Yamagu	0.09
36	3/24 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.037
37	3/24 14:00 ~ 15:00	香川県	Kagawa (Takamatsu	0.054
38	3/24 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.025
40	3/24 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.04
42	3/24 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 14:00 ~ 15:00	大分県	Oita (Oita)	0.05
45	3/24 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.024
3	3/24 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.033
4	3/24 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/24 15:00 ~ 16:00	秋田県	Akita (Akita)	0.036
6	3/24 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.083
7	3/24 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/24 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.298
9	3/24 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.131
10	3/24 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.114
12	3/24 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.095
13	3/24 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.136
14	3/24 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/24 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.047
16	3/24 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.056
17	3/24 15:00 ~ 16:00	石川県	Ishikawa (Kanazawa	0.057
18	3/24 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.056
19	3/24 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.051
21	3/24 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.062

22	3/24 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/24 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.042
28	3/24 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 15:00 ~ 16:00	奈良県	Nara (Nara)	0.047
30	3/24 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.031
31	3/24 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.036
33	3/24 15:00 ~ 16:00	岡山県	Okayama (Okayam	0.048
34	3/24 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.046
35	3/24 15:00 ~ 16:00	山口県	Yamaguchi (Yamag	0.09
36	3/24 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.038
37	3/24 15:00 ~ 16:00	香川県	Kagawa (Takamats	0.055
38	3/24 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.025
40	3/24 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.04
42	3/24 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 15:00 ~ 16:00	大分県	Oita (Oita)	0.049
45	3/24 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.022
1	3/24 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.024
3	3/24 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.034
4	3/24 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/24 16:00 ~ 17:00	秋田県	Akita (Akita)	0.035
6	3/24 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.082
7	3/24 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/24 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.297
9	3/24 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.13
10	3/24 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.113
12	3/24 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.096
13	3/24 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.136
14	3/24 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.046
16	3/24 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.054
17	3/24 16:00 ~ 17:00	石川県	Ishikawa (Kanazaw	0.053
18	3/24 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.049
19	3/24 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.05
21	3/24 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/24 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/24 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.047
25	3/24 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/24 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.043
28	3/24 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 16:00 ~ 17:00	奈良県	Nara (Nara)	0.047
30	3/24 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.063

32	3/24 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/24 16:00 ~ 17:00	岡山県	Okayama (Okayam	0.048
34	3/24 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.046
35	3/24 16:00 ~ 17:00	山口県	Yamaguchi (Yamag	0.091
36	3/24 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.038
37	3/24 16:00 ~ 17:00	香川県	Kagawa (Takamats	0.054
38	3/24 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.025
40	3/24 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.04
42	3/24 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 16:00 ~ 17:00	大分県	Oita (Oita)	0.05
45	3/24 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 17:00 ~ 18:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 17:00 ~ 18:00	青森県	Aomori (Aomori)	0.024
3	3/24 17:00 ~ 18:00	岩手県	Iwate (Morioka)	0.033
4	3/24 17:00 ~ 18:00	宮城県	Miyagi (Sendai)	
5	3/24 17:00 ~ 18:00	秋田県	Akita (Akita)	0.034
6	3/24 17:00 ~ 18:00	山形県	Yamagata (Yamaga	0.082
7	3/24 17:00 ~ 18:00	福島県	Fukushima (Futaba-gun)	
8	3/24 17:00 ~ 18:00	茨城県	Ibaraki (Mito)	0.298
9	3/24 17:00 ~ 18:00	栃木県	Tochigi (Itsunomiya	0.13
10	3/24 17:00 ~ 18:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 17:00 ~ 18:00	埼玉県	Saitama (Saitama)	0.113
12	3/24 17:00 ~ 18:00	千葉県	Chiba (Ichihara)	0.096
13	3/24 17:00 ~ 18:00	東京都	Tokyo (Shinjuku-k	0.135
14	3/24 17:00 ~ 18:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/24 17:00 ~ 18:00	新潟県	Niigata (Niigata)	0.046
16	3/24 17:00 ~ 18:00	富山県	Toyama (Imizu)	0.052
17	3/24 17:00 ~ 18:00	石川県	Ishikawa (Kanazaw	0.052
18	3/24 17:00 ~ 18:00	福井県	Fukui (Fukui)	0.049
19	3/24 17:00 ~ 18:00	山梨県	Yamanashi (Kofu)	0.045
20	3/24 17:00 ~ 18:00	長野県	Nagano (Nagano)	0.051
21	3/24 17:00 ~ 18:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/24 17:00 ~ 18:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 17:00 ~ 18:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 17:00 ~ 18:00	三重県	Mie (Yokkaichi)	0.047
25	3/24 17:00 ~ 18:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/24 17:00 ~ 18:00	京都府	Kyoto (Kyoto)	0.039
27	3/24 17:00 ~ 18:00	大阪府	Osaka (Osaka)	0.043
28	3/24 17:00 ~ 18:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 17:00 ~ 18:00	奈良県	Nara (Nara)	0.047
30	3/24 17:00 ~ 18:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 17:00 ~ 18:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 17:00 ~ 18:00	島根県	Shimane (Matsue)	0.036
33	3/24 17:00 ~ 18:00	岡山県	Okayama (Okayam	0.048
34	3/24 17:00 ~ 18:00	広島県	Hiroshima (Hiroshin	0.046
35	3/24 17:00 ~ 18:00	山口県	Yamaguchi (Yamag	0.09
36	3/24 17:00 ~ 18:00	徳島県	Tokushima (Tokush	0.037
37	3/24 17:00 ~ 18:00	香川県	Kagawa (Takamats	0.059
38	3/24 17:00 ~ 18:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 17:00 ~ 18:00	高知県	Kochi (Kochi)	0.025
40	3/24 17:00 ~ 18:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 17:00 ~ 18:00	佐賀県	Saga (Saga)	0.04

42	3/24 17:00 ~ 18:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 17:00 ~ 18:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 17:00 ~ 18:00	大分県	Oita (Oita)	0.049
45	3/24 17:00 ~ 18:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 17:00 ~ 18:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 17:00 ~ 18:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 18:00 ~ 19:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 18:00 ~ 19:00	青森県	Aomori (Aomori)	0.025
3	3/24 18:00 ~ 19:00	岩手県	Iwate (Morioka)	0.031
4	3/24 18:00 ~ 19:00	宮城県	Miyagi (Sendai)	
5	3/24 18:00 ~ 19:00	秋田県	Akita (Akita)	0.034
6	3/24 18:00 ~ 19:00	山形県	Yamagata (Yamaga	0.081
7	3/24 18:00 ~ 19:00	福島県	Fukushima (Futaba-gun)	
8	3/24 18:00 ~ 19:00	茨城県	Ibaraki (Mito)	0.297
9	3/24 18:00 ~ 19:00	栃木県	Tochigi (Itsunomiya	0.13
10	3/24 18:00 ~ 19:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 18:00 ~ 19:00	埼玉県	Saitama (Saitama)	0.114
12	3/24 18:00 ~ 19:00	千葉県	Chiba (Ichihara)	0.096
13	3/24 18:00 ~ 19:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/24 18:00 ~ 19:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 18:00 ~ 19:00	新潟県	Niigata (Niigata)	0.047
16	3/24 18:00 ~ 19:00	富山県	Toyama (Imizu)	0.05
17	3/24 18:00 ~ 19:00	石川県	Ishikawa (Kanazawa	0.049
18	3/24 18:00 ~ 19:00	福井県	Fukui (Fukui)	0.052
19	3/24 18:00 ~ 19:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 18:00 ~ 19:00	長野県	Nagano (Nagano)	0.051
21	3/24 18:00 ~ 19:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/24 18:00 ~ 19:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 18:00 ~ 19:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 18:00 ~ 19:00	三重県	Mie (Yokkaichi)	0.047
25	3/24 18:00 ~ 19:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/24 18:00 ~ 19:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 18:00 ~ 19:00	大阪府	Osaka (Osaka)	0.043
28	3/24 18:00 ~ 19:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 18:00 ~ 19:00	奈良県	Nara (Nara)	0.048
30	3/24 18:00 ~ 19:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 18:00 ~ 19:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 18:00 ~ 19:00	島根県	Shimane (Matsue)	0.036
33	3/24 18:00 ~ 19:00	岡山県	Okayama (Okayama	0.048
34	3/24 18:00 ~ 19:00	広島県	Hiroshima (Hiroshin	0.046
35	3/24 18:00 ~ 19:00	山口県	Yamaguchi (Yamagu	0.091
36	3/24 18:00 ~ 19:00	徳島県	Tokushima (Tokush	0.037
37	3/24 18:00 ~ 19:00	香川県	Kagawa (Takamatsu	0.061
38	3/24 18:00 ~ 19:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/24 18:00 ~ 19:00	高知県	Kochi (Kochi)	0.025
40	3/24 18:00 ~ 19:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 18:00 ~ 19:00	佐賀県	Saga (Saga)	0.04
42	3/24 18:00 ~ 19:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 18:00 ~ 19:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 18:00 ~ 19:00	大分県	Oita (Oita)	0.05
45	3/24 18:00 ~ 19:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 18:00 ~ 19:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 18:00 ~ 19:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 19:00 ~ 20:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 19:00 ~ 20:00	青森県	Aomori (Aomori)	0.023
3	3/24 19:00 ~ 20:00	岩手県	Iwate (Morioka)	0.031
4	3/24 19:00 ~ 20:00	宮城県	Miyagi (Sendai)	

5	3/24 19:00 ~ 20:00	秋田県	Akita (Akita)	0.034
6	3/24 19:00 ~ 20:00	山形県	Yamagata (Yamaga	0.081
7	3/24 19:00 ~ 20:00	福島県	Fukushima (Futaba-gun)	
8	3/24 19:00 ~ 20:00	茨城県	Ibaraki (Mito)	0.296
9	3/24 19:00 ~ 20:00	栃木県	Tochigi (Itsunomiya	0.13
10	3/24 19:00 ~ 20:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 19:00 ~ 20:00	埼玉県	Saitama (Saitama)	0.113
12	3/24 19:00 ~ 20:00	千葉県	Chiba (Ichihara)	0.095
13	3/24 19:00 ~ 20:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/24 19:00 ~ 20:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/24 19:00 ~ 20:00	新潟県	Niigata (Niigata)	0.049
16	3/24 19:00 ~ 20:00	富山県	Toyama (Imizu)	0.048
17	3/24 19:00 ~ 20:00	石川県	Ishikawa (Kanazawa	0.049
18	3/24 19:00 ~ 20:00	福井県	Fukui (Fukui)	0.049
19	3/24 19:00 ~ 20:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 19:00 ~ 20:00	長野県	Nagano (Nagano)	0.051
21	3/24 19:00 ~ 20:00	岐阜県	Gifu (Kakamigahara	0.064
22	3/24 19:00 ~ 20:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/24 19:00 ~ 20:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 19:00 ~ 20:00	三重県	Mie (Yokkaichi)	0.047
25	3/24 19:00 ~ 20:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 19:00 ~ 20:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 19:00 ~ 20:00	大阪府	Osaka (Osaka)	0.043
28	3/24 19:00 ~ 20:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 19:00 ~ 20:00	奈良県	Nara (Nara)	0.048
30	3/24 19:00 ~ 20:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 19:00 ~ 20:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 19:00 ~ 20:00	島根県	Shimane (Matsue)	0.036
33	3/24 19:00 ~ 20:00	岡山県	Okayama (Okayama	0.048
34	3/24 19:00 ~ 20:00	広島県	Hiroshima (Hiroshin	0.047
35	3/24 19:00 ~ 20:00	山口県	Yamaguchi (Yamagu	0.091
36	3/24 19:00 ~ 20:00	徳島県	Tokushima (Tokush	0.038
37	3/24 19:00 ~ 20:00	香川県	Kagawa (Takamatsu	0.066
38	3/24 19:00 ~ 20:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/24 19:00 ~ 20:00	高知県	Kochi (Kochi)	0.025
40	3/24 19:00 ~ 20:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 19:00 ~ 20:00	佐賀県	Saga (Saga)	0.04
42	3/24 19:00 ~ 20:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 19:00 ~ 20:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 19:00 ~ 20:00	大分県	Oita (Oita)	0.05
45	3/24 19:00 ~ 20:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/24 19:00 ~ 20:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/24 19:00 ~ 20:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 20:00 ~ 21:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 20:00 ~ 21:00	青森県	Aomori (Aomori)	0.023
3	3/24 20:00 ~ 21:00	岩手県	Iwate (Morioka)	0.03
4	3/24 20:00 ~ 21:00	宮城県	Miyagi (Sendai)	
5	3/24 20:00 ~ 21:00	秋田県	Akita (Akita)	0.034
6	3/24 20:00 ~ 21:00	山形県	Yamagata (Yamaga	0.081
7	3/24 20:00 ~ 21:00	福島県	Fukushima (Futaba-gun)	
8	3/24 20:00 ~ 21:00	茨城県	Ibaraki (Mito)	0.295
9	3/24 20:00 ~ 21:00	栃木県	Tochigi (Itsunomiya	0.129
10	3/24 20:00 ~ 21:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 20:00 ~ 21:00	埼玉県	Saitama (Saitama)	0.113
12	3/24 20:00 ~ 21:00	千葉県	Chiba (Ichihara)	0.094
13	3/24 20:00 ~ 21:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/24 20:00 ~ 21:00	神奈川県	Kanagawa (Chigasa	0.092

15	3/24 20:00 ~ 21:00	新潟県	Niigata (Niigata)	0.053
16	3/24 20:00 ~ 21:00	富山県	Toyama (Imizu)	0.051
17	3/24 20:00 ~ 21:00	石川県	Ishikawa (Kanazawa	0.052
18	3/24 20:00 ~ 21:00	福井県	Fukui (Fukui)	0.052
19	3/24 20:00 ~ 21:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 20:00 ~ 21:00	長野県	Nagano (Nagano)	0.05
21	3/24 20:00 ~ 21:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 20:00 ~ 21:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 20:00 ~ 21:00	愛知県	Aichi (Nagoya)	0.04
24	3/24 20:00 ~ 21:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 20:00 ~ 21:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 20:00 ~ 21:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 20:00 ~ 21:00	大阪府	Osaka (Osaka)	0.043
28	3/24 20:00 ~ 21:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 20:00 ~ 21:00	奈良県	Nara (Nara)	0.048
30	3/24 20:00 ~ 21:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 20:00 ~ 21:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 20:00 ~ 21:00	島根県	Shimane (Matsue)	0.036
33	3/24 20:00 ~ 21:00	岡山県	Okayama (Okayam	0.048
34	3/24 20:00 ~ 21:00	広島県	Hiroshima (Hiroshin	0.047
35	3/24 20:00 ~ 21:00	山口県	Yamaguchi (Yamag	0.092
36	3/24 20:00 ~ 21:00	徳島県	Tokushima (Tokush	0.038
37	3/24 20:00 ~ 21:00	香川県	Kagawa (Takamats	0.068
38	3/24 20:00 ~ 21:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/24 20:00 ~ 21:00	高知県	Kochi (Kochi)	0.025
40	3/24 20:00 ~ 21:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 20:00 ~ 21:00	佐賀県	Saga (Saga)	0.04
42	3/24 20:00 ~ 21:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 20:00 ~ 21:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 20:00 ~ 21:00	大分県	Oita (Oita)	0.049
45	3/24 20:00 ~ 21:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 20:00 ~ 21:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 20:00 ~ 21:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 21:00 ~ 22:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 21:00 ~ 22:00	青森県	Aomori (Aomori)	0.023
3	3/24 21:00 ~ 22:00	岩手県	Iwate (Morioka)	0.031
4	3/24 21:00 ~ 22:00	宮城県	Miyagi (Sendai)	
5	3/24 21:00 ~ 22:00	秋田県	Akita (Akita)	0.034
6	3/24 21:00 ~ 22:00	山形県	Yamagata (Yamaga	0.082
7	3/24 21:00 ~ 22:00	福島県	Fukushima (Futaba-gun)	
8	3/24 21:00 ~ 22:00	茨城県	Ibaraki (Mito)	0.295
9	3/24 21:00 ~ 22:00	栃木県	Tochigi (Itsunomiya	0.129
10	3/24 21:00 ~ 22:00	群馬県	Gunma (Maebashi)	0.087
11	3/24 21:00 ~ 22:00	埼玉県	Saitama (Saitama)	0.113
12	3/24 21:00 ~ 22:00	千葉県	Chiba (Ichihara)	0.095
13	3/24 21:00 ~ 22:00	東京都	Tokyo (Shinjuku-ku	0.135
14	3/24 21:00 ~ 22:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/24 21:00 ~ 22:00	新潟県	Niigata (Niigata)	0.061
16	3/24 21:00 ~ 22:00	富山県	Toyama (Imizu)	0.05
17	3/24 21:00 ~ 22:00	石川県	Ishikawa (Kanazawa	0.05
18	3/24 21:00 ~ 22:00	福井県	Fukui (Fukui)	0.051
19	3/24 21:00 ~ 22:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 21:00 ~ 22:00	長野県	Nagano (Nagano)	0.051
21	3/24 21:00 ~ 22:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/24 21:00 ~ 22:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/24 21:00 ~ 22:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 21:00 ~ 22:00	三重県	Mie (Yokkaichi)	0.046

25	3/24 21:00 ~ 22:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 21:00 ~ 22:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 21:00 ~ 22:00	大阪府	Osaka (Osaka)	0.042
28	3/24 21:00 ~ 22:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 21:00 ~ 22:00	奈良県	Nara (Nara)	0.048
30	3/24 21:00 ~ 22:00	和歌山県	Wakayama (Wakaya	0.031
31	3/24 21:00 ~ 22:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 21:00 ~ 22:00	島根県	Shimane (Matsue)	0.037
33	3/24 21:00 ~ 22:00	岡山県	Okayama (Okayam	0.048
34	3/24 21:00 ~ 22:00	広島県	Hiroshima (Hiroshin	0.047
35	3/24 21:00 ~ 22:00	山口県	Yamaguchi (Yamag	0.092
36	3/24 21:00 ~ 22:00	徳島県	Tokushima (Tokush	0.037
37	3/24 21:00 ~ 22:00	香川県	Kagawa (Takamats	0.063
38	3/24 21:00 ~ 22:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/24 21:00 ~ 22:00	高知県	Kochi (Kochi)	0.025
40	3/24 21:00 ~ 22:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/24 21:00 ~ 22:00	佐賀県	Saga (Saga)	0.04
42	3/24 21:00 ~ 22:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 21:00 ~ 22:00	熊本県	Kumamoto (Uto)	0.027
44	3/24 21:00 ~ 22:00	大分県	Oita (Oita)	0.05
45	3/24 21:00 ~ 22:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 21:00 ~ 22:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 21:00 ~ 22:00	沖縄県	Okinawa (Uruma)	0.021
1	3/24 22:00 ~ 23:00	北海道	Hokkaido (Sapporo)	0.028
2	3/24 22:00 ~ 23:00	青森県	Aomori (Aomori)	0.023
3	3/24 22:00 ~ 23:00	岩手県	Iwate (Morioka)	0.031
4	3/24 22:00 ~ 23:00	宮城県	Miyagi (Sendai)	
5	3/24 22:00 ~ 23:00	秋田県	Akita (Akita)	0.034
6	3/24 22:00 ~ 23:00	山形県	Yamagata (Yamaga	0.082
7	3/24 22:00 ~ 23:00	福島県	Fukushima (Futaba-gun)	
8	3/24 22:00 ~ 23:00	茨城県	Ibaraki (Mito)	0.294
9	3/24 22:00 ~ 23:00	栃木県	Tochigi (Itsunomiya	0.129
10	3/24 22:00 ~ 23:00	群馬県	Gunma (Maebashi)	0.086
11	3/24 22:00 ~ 23:00	埼玉県	Saitama (Saitama)	0.114
12	3/24 22:00 ~ 23:00	千葉県	Chiba (Ichihara)	0.094
13	3/24 22:00 ~ 23:00	東京都	Tokyo (Shinjuku-ku	0.135
14	3/24 22:00 ~ 23:00	神奈川県	Kanagawa (Chigasa	0.092
15	3/24 22:00 ~ 23:00	新潟県	Niigata (Niigata)	0.054
16	3/24 22:00 ~ 23:00	富山県	Toyama (Imizu)	0.05
17	3/24 22:00 ~ 23:00	石川県	Ishikawa (Kanazaw	0.05
18	3/24 22:00 ~ 23:00	福井県	Fukui (Fukui)	0.054
19	3/24 22:00 ~ 23:00	山梨県	Yamanashi (Kofu)	0.046
20	3/24 22:00 ~ 23:00	長野県	Nagano (Nagano)	0.052
21	3/24 22:00 ~ 23:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/24 22:00 ~ 23:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/24 22:00 ~ 23:00	愛知県	Aichi (Nagoya)	0.039
24	3/24 22:00 ~ 23:00	三重県	Mie (Yokkaichi)	0.046
25	3/24 22:00 ~ 23:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/24 22:00 ~ 23:00	京都府	Kyoto (Kyoto)	0.038
27	3/24 22:00 ~ 23:00	大阪府	Osaka (Osaka)	0.042
28	3/24 22:00 ~ 23:00	兵庫県	Hyogo (Kobe)	0.037
29	3/24 22:00 ~ 23:00	奈良県	Nara (Nara)	0.048
30	3/24 22:00 ~ 23:00	和歌山県	Wakayama (Wakaya	0.032
31	3/24 22:00 ~ 23:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/24 22:00 ~ 23:00	島根県	Shimane (Matsue)	0.037
33	3/24 22:00 ~ 23:00	岡山県	Okayama (Okayam	0.048
34	3/24 22:00 ~ 23:00	広島県	Hiroshima (Hiroshin	0.048

35	3/24 22:00 ~ 23:00	山口県	Yamaguchi (Yamagı	0.093
36	3/24 22:00 ~ 23:00	徳島県	Tokushima (Tokusl	0.038
37	3/24 22:00 ~ 23:00	香川県	Kagawa (Takamatsı	0.064
38	3/24 22:00 ~ 23:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/24 22:00 ~ 23:00	高知県	Kochi (Kochi)	0.026
40	3/24 22:00 ~ 23:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/24 22:00 ~ 23:00	佐賀県	Saga (Saga)	0.04
42	3/24 22:00 ~ 23:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/24 22:00 ~ 23:00	熊本県	Kumamoto (Uto)	0.028
44	3/24 22:00 ~ 23:00	大分県	Oita (Oita)	0.05
45	3/24 22:00 ~ 23:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/24 22:00 ~ 23:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/24 22:00 ~ 23:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 23:00 ~ 24:00	北海道	Hokkaido (Sapporo)	0.028
2	3/25 23:00 ~ 24:00	青森県	Aomori (Aomori)	0.023
3	3/25 23:00 ~ 24:00	岩手県	Iwate (Morioka)	0.03
4	3/25 23:00 ~ 24:00	宮城県	Miyagi (Sendai)	
5	3/25 23:00 ~ 24:00	秋田県	Akita (Akita)	0.035
6	3/25 23:00 ~ 24:00	山形県	Yamagata (Yamaga	0.082
7	3/25 23:00 ~ 24:00	福島県	Fukushima (Futaba-gun)	
8	3/25 23:00 ~ 24:00	茨城県	Ibaraki (Mito)	0.293
9	3/25 23:00 ~ 24:00	栃木県	Tochigi (Itsunomiya	0.129
10	3/25 23:00 ~ 24:00	群馬県	Gunma (Maebashi)	0.087
11	3/25 23:00 ~ 24:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 23:00 ~ 24:00	千葉県	Chiba (Ichihara)	0.095
13	3/25 23:00 ~ 24:00	東京都	Tokyo (Shinjuku-kı	0.134
14	3/25 23:00 ~ 24:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 23:00 ~ 24:00	新潟県	Niigata (Niigata)	0.049
16	3/25 23:00 ~ 24:00	富山県	Toyama (Imizu)	0.05
17	3/25 23:00 ~ 24:00	石川県	Ishikawa (Kanazaw	0.051
18	3/25 23:00 ~ 24:00	福井県	Fukui (Fukui)	0.051
19	3/25 23:00 ~ 24:00	山梨県	Yamanashi (Kofu)	0.046
20	3/25 23:00 ~ 24:00	長野県	Nagano (Nagano)	0.051
21	3/25 23:00 ~ 24:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/25 23:00 ~ 24:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 23:00 ~ 24:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 23:00 ~ 24:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 23:00 ~ 24:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 23:00 ~ 24:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 23:00 ~ 24:00	大阪府	Osaka (Osaka)	0.042
28	3/25 23:00 ~ 24:00	兵庫県	Hyogo (Kobe)	0.036
29	3/25 23:00 ~ 24:00	奈良県	Nara (Nara)	0.048
30	3/25 23:00 ~ 24:00	和歌山県	Wakayama (Wakaya	0.032
31	3/25 23:00 ~ 24:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 23:00 ~ 24:00	島根県	Shimane (Matsue)	0.037
33	3/25 23:00 ~ 24:00	岡山県	Okayama (Okayam	0.049
34	3/25 23:00 ~ 24:00	広島県	Hiroshima (Hiroshin	0.049
35	3/25 23:00 ~ 24:00	山口県	Yamaguchi (Yamagı	0.093
36	3/25 23:00 ~ 24:00	徳島県	Tokushima (Tokusl	0.038
37	3/25 23:00 ~ 24:00	香川県	Kagawa (Takamatsı	0.069
38	3/25 23:00 ~ 24:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/25 23:00 ~ 24:00	高知県	Kochi (Kochi)	0.026
40	3/25 23:00 ~ 24:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/25 23:00 ~ 24:00	佐賀県	Saga (Saga)	0.04
42	3/25 23:00 ~ 24:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 23:00 ~ 24:00	熊本県	Kumamoto (Uto)	0.028
44	3/25 23:00 ~ 24:00	大分県	Oita (Oita)	0.05

45	3/25 23:00 ~ 24:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 23:00 ~ 24:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/25 23:00 ~ 24:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 00:00 ~ 01:00	北海道	Hokkaido (Sapporo)	0.028
2	3/25 00:00 ~ 01:00	青森県	Aomori (Aomori)	0.023
3	3/25 00:00 ~ 01:00	岩手県	Iwate (Morioka)	0.03
4	3/25 00:00 ~ 01:00	宮城県	Miyagi (Sendai)	
5	3/25 00:00 ~ 01:00	秋田県	Akita (Akita)	0.035
6	3/25 00:00 ~ 01:00	山形県	Yamagata (Yamaga	0.082
7	3/25 00:00 ~ 01:00	福島県	Fukushima (Futaba-gun)	
8	3/25 00:00 ~ 01:00	茨城県	Ibaraki (Mito)	0.292
9	3/25 00:00 ~ 01:00	栃木県	Tochigi (Itsunomiya	0.128
10	3/25 00:00 ~ 01:00	群馬県	Gunma (Maebashi)	0.087
11	3/25 00:00 ~ 01:00	埼玉県	Saitama (Saitama)	0.114
12	3/25 00:00 ~ 01:00	千葉県	Chiba (Ichihara)	0.094
13	3/25 00:00 ~ 01:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/25 00:00 ~ 01:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 00:00 ~ 01:00	新潟県	Niigata (Niigata)	0.054
16	3/25 00:00 ~ 01:00	富山県	Toyama (Imizu)	0.05
17	3/25 00:00 ~ 01:00	石川県	Ishikawa (Kanazawa	0.052
18	3/25 00:00 ~ 01:00	福井県	Fukui (Fukui)	0.047
19	3/25 00:00 ~ 01:00	山梨県	Yamanashi (Kofu)	0.046
20	3/25 00:00 ~ 01:00	長野県	Nagano (Nagano)	0.051
21	3/25 00:00 ~ 01:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 00:00 ~ 01:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 00:00 ~ 01:00	愛知県	Aichi (Nagoya)	0.039
24	3/25 00:00 ~ 01:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 00:00 ~ 01:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 00:00 ~ 01:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 00:00 ~ 01:00	大阪府	Osaka (Osaka)	0.042
28	3/25 00:00 ~ 01:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 00:00 ~ 01:00	奈良県	Nara (Nara)	0.048
30	3/25 00:00 ~ 01:00	和歌山県	Wakayama (Wakaya	0.032
31	3/25 00:00 ~ 01:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 00:00 ~ 01:00	島根県	Shimane (Matsue)	0.038
33	3/25 00:00 ~ 01:00	岡山県	Okayama (Okayama	0.05
34	3/25 00:00 ~ 01:00	広島県	Hiroshima (Hiroshin	0.049
35	3/25 00:00 ~ 01:00	山口県	Yamaguchi (Yamagu	0.094
36	3/25 00:00 ~ 01:00	徳島県	Tokushima (Tokush	0.038
37	3/25 00:00 ~ 01:00	香川県	Kagawa (Takamatsu	0.072
38	3/25 00:00 ~ 01:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/25 00:00 ~ 01:00	高知県	Kochi (Kochi)	0.026
40	3/25 00:00 ~ 01:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/25 00:00 ~ 01:00	佐賀県	Saga (Saga)	0.041
42	3/25 00:00 ~ 01:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 00:00 ~ 01:00	熊本県	Kumamoto (Uto)	0.028
44	3/25 00:00 ~ 01:00	大分県	Oita (Oita)	0.05
45	3/25 00:00 ~ 01:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 00:00 ~ 01:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/25 00:00 ~ 01:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 01:00 ~ 02:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 01:00 ~ 02:00	青森県	Aomori (Aomori)	0.023
3	3/25 01:00 ~ 02:00	岩手県	Iwate (Morioka)	0.03
4	3/25 01:00 ~ 02:00	宮城県	Miyagi (Sendai)	
5	3/25 01:00 ~ 02:00	秋田県	Akita (Akita)	0.036
6	3/25 01:00 ~ 02:00	山形県	Yamagata (Yamaga	0.082
7	3/25 01:00 ~ 02:00	福島県	Fukushima (Futaba-gun)	

8	3/25 01:00 ~ 02:00	茨城県	Ibaraki (Mito)	0.292
9	3/25 01:00 ~ 02:00	栃木県	Tochigi (Itsunomiya	0.128
10	3/25 01:00 ~ 02:00	群馬県	Gunma (Maebashi)	0.087
11	3/25 01:00 ~ 02:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 01:00 ~ 02:00	千葉県	Chiba (Ichihara)	0.094
13	3/25 01:00 ~ 02:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/25 01:00 ~ 02:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 01:00 ~ 02:00	新潟県	Niigata (Niigata)	0.062
16	3/25 01:00 ~ 02:00	富山県	Toyama (Imizu)	0.049
17	3/25 01:00 ~ 02:00	石川県	Ishikawa (Kanazawa	0.049
18	3/25 01:00 ~ 02:00	福井県	Fukui (Fukui)	0.046
19	3/25 01:00 ~ 02:00	山梨県	Yamanashi (Kofu)	0.046
20	3/25 01:00 ~ 02:00	長野県	Nagano (Nagano)	0.052
21	3/25 01:00 ~ 02:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 01:00 ~ 02:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 01:00 ~ 02:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 01:00 ~ 02:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 01:00 ~ 02:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 01:00 ~ 02:00	京都府	Kyoto (Kyoto)	0.039
27	3/25 01:00 ~ 02:00	大阪府	Osaka (Osaka)	0.043
28	3/25 01:00 ~ 02:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 01:00 ~ 02:00	奈良県	Nara (Nara)	0.048
30	3/25 01:00 ~ 02:00	和歌山県	Wakayama (Wakaya	0.032
31	3/25 01:00 ~ 02:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 01:00 ~ 02:00	島根県	Shimane (Matsue)	0.037
33	3/25 01:00 ~ 02:00	岡山県	Okayama (Okayama	0.049
34	3/25 01:00 ~ 02:00	広島県	Hiroshima (Hiroshin	0.05
35	3/25 01:00 ~ 02:00	山口県	Yamaguchi (Yamagu	0.095
36	3/25 01:00 ~ 02:00	徳島県	Tokushima (Tokush	0.038
37	3/25 01:00 ~ 02:00	香川県	Kagawa (Takamatsu	0.072
38	3/25 01:00 ~ 02:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/25 01:00 ~ 02:00	高知県	Kochi (Kochi)	0.027
40	3/25 01:00 ~ 02:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/25 01:00 ~ 02:00	佐賀県	Saga (Saga)	0.041
42	3/25 01:00 ~ 02:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 01:00 ~ 02:00	熊本県	Kumamoto (Uto)	0.028
44	3/25 01:00 ~ 02:00	大分県	Oita (Oita)	0.051
45	3/25 01:00 ~ 02:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 01:00 ~ 02:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/25 01:00 ~ 02:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 02:00 ~ 03:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 02:00 ~ 03:00	青森県	Aomori (Aomori)	0.023
3	3/25 02:00 ~ 03:00	岩手県	Iwate (Morioka)	0.031
4	3/25 02:00 ~ 03:00	宮城県	Miyagi (Sendai)	
5	3/25 02:00 ~ 03:00	秋田県	Akita (Akita)	0.036
6	3/25 02:00 ~ 03:00	山形県	Yamagata (Yamaga	0.082
7	3/25 02:00 ~ 03:00	福島県	Fukushima (Futaba-gun)	
8	3/25 02:00 ~ 03:00	茨城県	Ibaraki (Mito)	0.291
9	3/25 02:00 ~ 03:00	栃木県	Tochigi (Itsunomiya	0.128
10	3/25 02:00 ~ 03:00	群馬県	Gunma (Maebashi)	0.087
11	3/25 02:00 ~ 03:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 02:00 ~ 03:00	千葉県	Chiba (Ichihara)	0.094
13	3/25 02:00 ~ 03:00	東京都	Tokyo (Shinjuku-ku	0.134
14	3/25 02:00 ~ 03:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 02:00 ~ 03:00	新潟県	Niigata (Niigata)	0.055
16	3/25 02:00 ~ 03:00	富山県	Toyama (Imizu)	0.048
17	3/25 02:00 ~ 03:00	石川県	Ishikawa (Kanazawa	0.048

18	3/25 02:00 ~ 03:00	福井県	Fukui (Fukui)	0.046
19	3/25 02:00 ~ 03:00	山梨県	Yamanashi (Kofu)	0.047
20	3/25 02:00 ~ 03:00	長野県	Nagano (Nagano)	0.052
21	3/25 02:00 ~ 03:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/25 02:00 ~ 03:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 02:00 ~ 03:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 02:00 ~ 03:00	三重県	Mie (Yokkaichi)	0.047
25	3/25 02:00 ~ 03:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 02:00 ~ 03:00	京都府	Kyoto (Kyoto)	0.039
27	3/25 02:00 ~ 03:00	大阪府	Osaka (Osaka)	0.043
28	3/25 02:00 ~ 03:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 02:00 ~ 03:00	奈良県	Nara (Nara)	0.048
30	3/25 02:00 ~ 03:00	和歌山県	Wakayama (Wakaya	0.033
31	3/25 02:00 ~ 03:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 02:00 ~ 03:00	島根県	Shimane (Matsue)	0.038
33	3/25 02:00 ~ 03:00	岡山県	Okayama (Okayam	0.05
34	3/25 02:00 ~ 03:00	広島県	Hiroshima (Hiroshin	0.05
35	3/25 02:00 ~ 03:00	山口県	Yamaguchi (Yamag	0.095
36	3/25 02:00 ~ 03:00	徳島県	Tokushima (Tokush	0.039
37	3/25 02:00 ~ 03:00	香川県	Kagawa (Takamats	0.068
38	3/25 02:00 ~ 03:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/25 02:00 ~ 03:00	高知県	Kochi (Kochi)	0.027
40	3/25 02:00 ~ 03:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/25 02:00 ~ 03:00	佐賀県	Saga (Saga)	0.041
42	3/25 02:00 ~ 03:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 02:00 ~ 03:00	熊本県	Kumamoto (Uto)	0.028
44	3/25 02:00 ~ 03:00	大分県	Oita (Oita)	0.051
45	3/25 02:00 ~ 03:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 02:00 ~ 03:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/25 02:00 ~ 03:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 03:00 ~ 04:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 03:00 ~ 04:00	青森県	Aomori (Aomori)	0.023
3	3/25 03:00 ~ 04:00	岩手県	Iwate (Morioka)	0.03
4	3/25 03:00 ~ 04:00	宮城県	Miyagi (Sendai)	
5	3/25 03:00 ~ 04:00	秋田県	Akita (Akita)	0.036
6	3/25 03:00 ~ 04:00	山形県	Yamagata (Yamaga	0.082
7	3/25 03:00 ~ 04:00	福島県	Fukushima (Futaba-gun)	
8	3/25 03:00 ~ 04:00	茨城県	Ibaraki (Mito)	0.291
9	3/25 03:00 ~ 04:00	栃木県	Tochigi (Itsunomiya	0.128
10	3/25 03:00 ~ 04:00	群馬県	Gunma (Maebashi)	0.086
11	3/25 03:00 ~ 04:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 03:00 ~ 04:00	千葉県	Chiba (Ichihara)	0.094
13	3/25 03:00 ~ 04:00	東京都	Tokyo (Shinjuku-ku	0.133
14	3/25 03:00 ~ 04:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 03:00 ~ 04:00	新潟県	Niigata (Niigata)	0.051
16	3/25 03:00 ~ 04:00	富山県	Toyama (Imizu)	0.048
17	3/25 03:00 ~ 04:00	石川県	Ishikawa (Kanazaw	0.046
18	3/25 03:00 ~ 04:00	福井県	Fukui (Fukui)	0.046
19	3/25 03:00 ~ 04:00	山梨県	Yamanashi (Kofu)	0.047
20	3/25 03:00 ~ 04:00	長野県	Nagano (Nagano)	0.052
21	3/25 03:00 ~ 04:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/25 03:00 ~ 04:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 03:00 ~ 04:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 03:00 ~ 04:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 03:00 ~ 04:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 03:00 ~ 04:00	京都府	Kyoto (Kyoto)	0.039
27	3/25 03:00 ~ 04:00	大阪府	Osaka (Osaka)	0.043

28	3/25 03:00 ~ 04:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 03:00 ~ 04:00	奈良県	Nara (Nara)	0.049
30	3/25 03:00 ~ 04:00	和歌山県	Wakayama (Wakaya	0.033
31	3/25 03:00 ~ 04:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 03:00 ~ 04:00	島根県	Shimane (Matsue)	0.038
33	3/25 03:00 ~ 04:00	岡山県	Okayama (Okayam	0.05
34	3/25 03:00 ~ 04:00	広島県	Hiroshima (Hiroshin	0.05
35	3/25 03:00 ~ 04:00	山口県	Yamaguchi (Yamag	0.096
36	3/25 03:00 ~ 04:00	徳島県	Tokushima (Tokush	0.039
37	3/25 03:00 ~ 04:00	香川県	Kagawa (Takamats	0.073
38	3/25 03:00 ~ 04:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/25 03:00 ~ 04:00	高知県	Kochi (Kochi)	0.028
40	3/25 03:00 ~ 04:00	福岡県	Fukuoka (Dazaifu)	0.037
41	3/25 03:00 ~ 04:00	佐賀県	Saga (Saga)	0.041
42	3/25 03:00 ~ 04:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 03:00 ~ 04:00	熊本県	Kumamoto (Uto)	0.028
44	3/25 03:00 ~ 04:00	大分県	Oita (Oita)	0.051
45	3/25 03:00 ~ 04:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 03:00 ~ 04:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/25 03:00 ~ 04:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 04:00 ~ 05:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 04:00 ~ 05:00	青森県	Aomori (Aomori)	0.024
3	3/25 04:00 ~ 05:00	岩手県	Iwate (Morioka)	0.031
4	3/25 04:00 ~ 05:00	宮城県	Miyagi (Sendai)	
5	3/25 04:00 ~ 05:00	秋田県	Akita (Akita)	0.036
6	3/25 04:00 ~ 05:00	山形県	Yamagata (Yamaga	0.082
7	3/25 04:00 ~ 05:00	福島県	Fukushima (Futaba-gun)	
8	3/25 04:00 ~ 05:00	茨城県	Ibaraki (Mito)	0.289
9	3/25 04:00 ~ 05:00	栃木県	Tochigi (Itsunomiya	0.128
10	3/25 04:00 ~ 05:00	群馬県	Gunma (Maebashi)	0.087
11	3/25 04:00 ~ 05:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 04:00 ~ 05:00	千葉県	Chiba (Ichihara)	0.094
13	3/25 04:00 ~ 05:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 04:00 ~ 05:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 04:00 ~ 05:00	新潟県	Niigata (Niigata)	0.059
16	3/25 04:00 ~ 05:00	富山県	Toyama (Imizu)	0.048
17	3/25 04:00 ~ 05:00	石川県	Ishikawa (Kanazaw	0.047
18	3/25 04:00 ~ 05:00	福井県	Fukui (Fukui)	0.046
19	3/25 04:00 ~ 05:00	山梨県	Yamanashi (Kofu)	0.047
20	3/25 04:00 ~ 05:00	長野県	Nagano (Nagano)	0.052
21	3/25 04:00 ~ 05:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/25 04:00 ~ 05:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 04:00 ~ 05:00	愛知県	Aichi (Nagoya)	0.041
24	3/25 04:00 ~ 05:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 04:00 ~ 05:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 04:00 ~ 05:00	京都府	Kyoto (Kyoto)	0.04
27	3/25 04:00 ~ 05:00	大阪府	Osaka (Osaka)	0.043
28	3/25 04:00 ~ 05:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 04:00 ~ 05:00	奈良県	Nara (Nara)	0.049
30	3/25 04:00 ~ 05:00	和歌山県	Wakayama (Wakaya	0.034
31	3/25 04:00 ~ 05:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 04:00 ~ 05:00	島根県	Shimane (Matsue)	0.037
33	3/25 04:00 ~ 05:00	岡山県	Okayama (Okayam	0.051
34	3/25 04:00 ~ 05:00	広島県	Hiroshima (Hiroshin	0.051
35	3/25 04:00 ~ 05:00	山口県	Yamaguchi (Yamag	0.097
36	3/25 04:00 ~ 05:00	徳島県	Tokushima (Tokush	0.039
37	3/25 04:00 ~ 05:00	香川県	Kagawa (Takamats	0.07

38	3/25 04:00 ~ 05:00	愛媛県	Ehime (Matsuyama)	0.05
39	3/25 04:00 ~ 05:00	高知県	Kochi (Kochi)	0.028
40	3/25 04:00 ~ 05:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/25 04:00 ~ 05:00	佐賀県	Saga (Saga)	0.043
42	3/25 04:00 ~ 05:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 04:00 ~ 05:00	熊本県	Kumamoto (Uto)	0.028
44	3/25 04:00 ~ 05:00	大分県	Oita (Oita)	0.05
45	3/25 04:00 ~ 05:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 04:00 ~ 05:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/25 04:00 ~ 05:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 05:00 ~ 06:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 05:00 ~ 06:00	青森県	Aomori (Aomori)	0.027
3	3/25 05:00 ~ 06:00	岩手県	Iwate (Morioka)	0.031
4	3/25 05:00 ~ 06:00	宮城県	Miyagi (Sendai)	
5	3/25 05:00 ~ 06:00	秋田県	Akita (Akita)	0.036
6	3/25 05:00 ~ 06:00	山形県	Yamagata (Yamaga	0.081
7	3/25 05:00 ~ 06:00	福島県	Fukushima (Futaba-gun)	
8	3/25 05:00 ~ 06:00	茨城県	Ibaraki (Mito)	0.288
9	3/25 05:00 ~ 06:00	栃木県	Tochigi (Itsunomiya	0.128
10	3/25 05:00 ~ 06:00	群馬県	Gunma (Maebashi)	0.086
11	3/25 05:00 ~ 06:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 05:00 ~ 06:00	千葉県	Chiba (Ichihara)	0.093
13	3/25 05:00 ~ 06:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 05:00 ~ 06:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 05:00 ~ 06:00	新潟県	Niigata (Niigata)	0.063
16	3/25 05:00 ~ 06:00	富山県	Toyama (Imizu)	0.049
17	3/25 05:00 ~ 06:00	石川県	Ishikawa (Kanazawa	0.047
18	3/25 05:00 ~ 06:00	福井県	Fukui (Fukui)	0.046
19	3/25 05:00 ~ 06:00	山梨県	Yamanashi (Kofu)	0.046
20	3/25 05:00 ~ 06:00	長野県	Nagano (Nagano)	0.052
21	3/25 05:00 ~ 06:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/25 05:00 ~ 06:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 05:00 ~ 06:00	愛知県	Aichi (Nagoya)	0.041
24	3/25 05:00 ~ 06:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 05:00 ~ 06:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 05:00 ~ 06:00	京都府	Kyoto (Kyoto)	0.04
27	3/25 05:00 ~ 06:00	大阪府	Osaka (Osaka)	0.043
28	3/25 05:00 ~ 06:00	兵庫県	Hyogo (Kobe)	0.038
29	3/25 05:00 ~ 06:00	奈良県	Nara (Nara)	0.049
30	3/25 05:00 ~ 06:00	和歌山県	Wakayama (Wakaya	0.034
31	3/25 05:00 ~ 06:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 05:00 ~ 06:00	島根県	Shimane (Matsue)	0.038
33	3/25 05:00 ~ 06:00	岡山県	Okayama (Okayama	0.051
34	3/25 05:00 ~ 06:00	広島県	Hiroshima (Hiroshin	0.051
35	3/25 05:00 ~ 06:00	山口県	Yamaguchi (Yamagu	0.098
36	3/25 05:00 ~ 06:00	徳島県	Tokushima (Tokush	0.039
37	3/25 05:00 ~ 06:00	香川県	Kagawa (Takamatsu	0.071
38	3/25 05:00 ~ 06:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/25 05:00 ~ 06:00	高知県	Kochi (Kochi)	0.028
40	3/25 05:00 ~ 06:00	福岡県	Fukuoka (Dazaifu)	0.039
41	3/25 05:00 ~ 06:00	佐賀県	Saga (Saga)	0.045
42	3/25 05:00 ~ 06:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/25 05:00 ~ 06:00	熊本県	Kumamoto (Uto)	0.029
44	3/25 05:00 ~ 06:00	大分県	Oita (Oita)	0.05
45	3/25 05:00 ~ 06:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 05:00 ~ 06:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/25 05:00 ~ 06:00	沖縄県	Okinawa (Uruma)	0.021

1	3/25 06:00 ~ 07:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 06:00 ~ 07:00	青森県	Aomori (Aomori)	0.025
3	3/25 06:00 ~ 07:00	岩手県	Iwate (Morioka)	0.031
4	3/25 06:00 ~ 07:00	宮城県	Miyagi (Sendai)	
5	3/25 06:00 ~ 07:00	秋田県	Akita (Akita)	0.036
6	3/25 06:00 ~ 07:00	山形県	Yamagata (Yamaga	0.081
7	3/25 06:00 ~ 07:00	福島県	Fukushima (Futaba-gun)	
8	3/25 06:00 ~ 07:00	茨城県	Ibaraki (Mito)	0.288
9	3/25 06:00 ~ 07:00	栃木県	Tochigi (Itsunomiya	0.127
10	3/25 06:00 ~ 07:00	群馬県	Gunma (Maebashi)	0.085
11	3/25 06:00 ~ 07:00	埼玉県	Saitama (Saitama)	0.113
12	3/25 06:00 ~ 07:00	千葉県	Chiba (Ichihara)	0.093
13	3/25 06:00 ~ 07:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 06:00 ~ 07:00	神奈川県	Kanagawa (Chigasa	0.091
15	3/25 06:00 ~ 07:00	新潟県	Niigata (Niigata)	0.051
16	3/25 06:00 ~ 07:00	富山県	Toyama (Imizu)	0.049
17	3/25 06:00 ~ 07:00	石川県	Ishikawa (Kanazawa	0.047
18	3/25 06:00 ~ 07:00	福井県	Fukui (Fukui)	0.046
19	3/25 06:00 ~ 07:00	山梨県	Yamanashi (Kofu)	0.047
20	3/25 06:00 ~ 07:00	長野県	Nagano (Nagano)	0.052
21	3/25 06:00 ~ 07:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/25 06:00 ~ 07:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 06:00 ~ 07:00	愛知県	Aichi (Nagoya)	0.042
24	3/25 06:00 ~ 07:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 06:00 ~ 07:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/25 06:00 ~ 07:00	京都府	Kyoto (Kyoto)	0.041
27	3/25 06:00 ~ 07:00	大阪府	Osaka (Osaka)	0.044
28	3/25 06:00 ~ 07:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 06:00 ~ 07:00	奈良県	Nara (Nara)	0.049
30	3/25 06:00 ~ 07:00	和歌山県	Wakayama (Wakaya	0.034
31	3/25 06:00 ~ 07:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 06:00 ~ 07:00	島根県	Shimane (Matsue)	0.041
33	3/25 06:00 ~ 07:00	岡山県	Okayama (Okayama	0.051
34	3/25 06:00 ~ 07:00	広島県	Hiroshima (Hiroshin	0.051
35	3/25 06:00 ~ 07:00	山口県	Yamaguchi (Yamagu	0.106
36	3/25 06:00 ~ 07:00	徳島県	Tokushima (Tokush	0.039
37	3/25 06:00 ~ 07:00	香川県	Kagawa (Takamatsu	0.067
38	3/25 06:00 ~ 07:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/25 06:00 ~ 07:00	高知県	Kochi (Kochi)	0.028
40	3/25 06:00 ~ 07:00	福岡県	Fukuoka (Dazaifu)	0.04
41	3/25 06:00 ~ 07:00	佐賀県	Saga (Saga)	0.044
42	3/25 06:00 ~ 07:00	長崎県	Nagasaki (Ohmura)	0.03
43	3/25 06:00 ~ 07:00	熊本県	Kumamoto (Uto)	0.029
44	3/25 06:00 ~ 07:00	大分県	Oita (Oita)	0.05
45	3/25 06:00 ~ 07:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 06:00 ~ 07:00	鹿児島県	Kagoshima (Kagosh	0.036
47	3/25 06:00 ~ 07:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 07:00 ~ 08:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 07:00 ~ 08:00	青森県	Aomori (Aomori)	0.024
3	3/25 07:00 ~ 08:00	岩手県	Iwate (Morioka)	0.031
4	3/25 07:00 ~ 08:00	宮城県	Miyagi (Sendai)	
5	3/25 07:00 ~ 08:00	秋田県	Akita (Akita)	0.035
6	3/25 07:00 ~ 08:00	山形県	Yamagata (Yamaga	0.08
7	3/25 07:00 ~ 08:00	福島県	Fukushima (Futaba-gun)	
8	3/25 07:00 ~ 08:00	茨城県	Ibaraki (Mito)	0.287
9	3/25 07:00 ~ 08:00	栃木県	Tochigi (Itsunomiya	0.127
10	3/25 07:00 ~ 08:00	群馬県	Gunma (Maebashi)	0.085

11	3/25 07:00 ~ 08:00	埼玉県	Saitama (Saitama)	0.112
12	3/25 07:00 ~ 08:00	千葉県	Chiba (Ichihara)	0.092
13	3/25 07:00 ~ 08:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 07:00 ~ 08:00	神奈川県	Kanagawa (Chigasa	0.09
15	3/25 07:00 ~ 08:00	新潟県	Niigata (Niigata)	0.046
16	3/25 07:00 ~ 08:00	富山県	Toyama (Imizu)	0.049
17	3/25 07:00 ~ 08:00	石川県	Ishikawa (Kanazawa	0.048
18	3/25 07:00 ~ 08:00	福井県	Fukui (Fukui)	0.046
19	3/25 07:00 ~ 08:00	山梨県	Yamanashi (Kofu)	0.047
20	3/25 07:00 ~ 08:00	長野県	Nagano (Nagano)	0.052
21	3/25 07:00 ~ 08:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/25 07:00 ~ 08:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 07:00 ~ 08:00	愛知県	Aichi (Nagoya)	0.043
24	3/25 07:00 ~ 08:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 07:00 ~ 08:00	滋賀県	Shiga (Ohtsu)	0.036
26	3/25 07:00 ~ 08:00	京都府	Kyoto (Kyoto)	0.04
27	3/25 07:00 ~ 08:00	大阪府	Osaka (Osaka)	0.044
28	3/25 07:00 ~ 08:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 07:00 ~ 08:00	奈良県	Nara (Nara)	0.049
30	3/25 07:00 ~ 08:00	和歌山県	Wakayama (Wakaya	0.033
31	3/25 07:00 ~ 08:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 07:00 ~ 08:00	島根県	Shimane (Matsue)	0.043
33	3/25 07:00 ~ 08:00	岡山県	Okayama (Okayama	0.052
34	3/25 07:00 ~ 08:00	広島県	Hiroshima (Hiroshin	0.052
35	3/25 07:00 ~ 08:00	山口県	Yamaguchi (Yamagu	0.102
36	3/25 07:00 ~ 08:00	徳島県	Tokushima (Tokush	0.04
37	3/25 07:00 ~ 08:00	香川県	Kagawa (Takamatsu	0.057
38	3/25 07:00 ~ 08:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/25 07:00 ~ 08:00	高知県	Kochi (Kochi)	0.028
40	3/25 07:00 ~ 08:00	福岡県	Fukuoka (Dazaifu)	0.038
41	3/25 07:00 ~ 08:00	佐賀県	Saga (Saga)	0.041
42	3/25 07:00 ~ 08:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 07:00 ~ 08:00	熊本県	Kumamoto (Uto)	0.027
44	3/25 07:00 ~ 08:00	大分県	Oita (Oita)	0.05
45	3/25 07:00 ~ 08:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 07:00 ~ 08:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/25 07:00 ~ 08:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 08:00 ~ 09:00	北海道	Hokkaido (Sapporo)	0.028
2	3/25 08:00 ~ 09:00	青森県	Aomori (Aomori)	0.023
3	3/25 08:00 ~ 09:00	岩手県	Iwate (Morioka)	0.031
4	3/25 08:00 ~ 09:00	宮城県	Miyagi (Sendai)	
5	3/25 08:00 ~ 09:00	秋田県	Akita (Akita)	0.035
6	3/25 08:00 ~ 09:00	山形県	Yamagata (Yamaga	0.079
7	3/25 08:00 ~ 09:00	福島県	Fukushima (Futaba-gun)	
8	3/25 08:00 ~ 09:00	茨城県	Ibaraki (Mito)	0.285
9	3/25 08:00 ~ 09:00	栃木県	Tochigi (Itsunomiya	0.126
10	3/25 08:00 ~ 09:00	群馬県	Gunma (Maebashi)	0.085
11	3/25 08:00 ~ 09:00	埼玉県	Saitama (Saitama)	0.111
12	3/25 08:00 ~ 09:00	千葉県	Chiba (Ichihara)	0.091
13	3/25 08:00 ~ 09:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 08:00 ~ 09:00	神奈川県	Kanagawa (Chigasa	0.089
15	3/25 08:00 ~ 09:00	新潟県	Niigata (Niigata)	0.049
16	3/25 08:00 ~ 09:00	富山県	Toyama (Imizu)	0.048
17	3/25 08:00 ~ 09:00	石川県	Ishikawa (Kanazawa	0.048
18	3/25 08:00 ~ 09:00	福井県	Fukui (Fukui)	0.046
19	3/25 08:00 ~ 09:00	山梨県	Yamanashi (Kofu)	0.046
20	3/25 08:00 ~ 09:00	長野県	Nagano (Nagano)	0.052

21	3/25 08:00 ~ 09:00	岐阜県	Gifu (Kakamigahara	0.063
22	3/25 08:00 ~ 09:00	静岡県	Shizuoka (Shizuoka	0.046
23	3/25 08:00 ~ 09:00	愛知県	Aichi (Nagoya)	0.042
24	3/25 08:00 ~ 09:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 08:00 ~ 09:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/25 08:00 ~ 09:00	京都府	Kyoto (Kyoto)	0.039
27	3/25 08:00 ~ 09:00	大阪府	Osaka (Osaka)	0.044
28	3/25 08:00 ~ 09:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 08:00 ~ 09:00	奈良県	Nara (Nara)	0.048
30	3/25 08:00 ~ 09:00	和歌山県	Wakayama (Wakaya	0.033
31	3/25 08:00 ~ 09:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 08:00 ~ 09:00	島根県	Shimane (Matsue)	0.047
33	3/25 08:00 ~ 09:00	岡山県	Okayama (Okayam	0.051
34	3/25 08:00 ~ 09:00	広島県	Hiroshima (Hiroshin	0.056
35	3/25 08:00 ~ 09:00	山口県	Yamaguchi (Yamag	0.095
36	3/25 08:00 ~ 09:00	徳島県	Tokushima (Tokush	0.039
37	3/25 08:00 ~ 09:00	香川県	Kagawa (Takamats	0.056
38	3/25 08:00 ~ 09:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/25 08:00 ~ 09:00	高知県	Kochi (Kochi)	0.028
40	3/25 08:00 ~ 09:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 08:00 ~ 09:00	佐賀県	Saga (Saga)	0.04
42	3/25 08:00 ~ 09:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 08:00 ~ 09:00	熊本県	Kumamoto (Uto)	0.027
44	3/25 08:00 ~ 09:00	大分県	Oita (Oita)	0.05
45	3/25 08:00 ~ 09:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 08:00 ~ 09:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/25 08:00 ~ 09:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 09:00 ~ 10:00	北海道	Hokkaido (Sapporo)	0.028
2	3/25 09:00 ~ 10:00	青森県	Aomori (Aomori)	0.023
3	3/25 09:00 ~ 10:00	岩手県	Iwate (Morioka)	0.03
4	3/25 09:00 ~ 10:00	宮城県	Miyagi (Sendai)	
5	3/25 09:00 ~ 10:00	秋田県	Akita (Akita)	0.035
6	3/25 09:00 ~ 10:00	山形県	Yamagata (Yamaga	0.079
7	3/25 09:00 ~ 10:00	福島県	Fukushima (Futaba-gun)	
8	3/25 09:00 ~ 10:00	茨城県	Ibaraki (Mito)	0.285
9	3/25 09:00 ~ 10:00	栃木県	Tochigi (Itsunomiya	0.125
10	3/25 09:00 ~ 10:00	群馬県	Gunma (Maebashi)	0.083
11	3/25 09:00 ~ 10:00	埼玉県	Saitama (Saitama)	0.11
12	3/25 09:00 ~ 10:00	千葉県	Chiba (Ichihara)	0.091
13	3/25 09:00 ~ 10:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 09:00 ~ 10:00	神奈川県	Kanagawa (Chigasa	0.089
15	3/25 09:00 ~ 10:00	新潟県	Niigata (Niigata)	0.048
16	3/25 09:00 ~ 10:00	富山県	Toyama (Imizu)	0.049
17	3/25 09:00 ~ 10:00	石川県	Ishikawa (Kanazaw	0.048
18	3/25 09:00 ~ 10:00	福井県	Fukui (Fukui)	0.046
19	3/25 09:00 ~ 10:00	山梨県	Yamanashi (Kofu)	0.046
20	3/25 09:00 ~ 10:00	長野県	Nagano (Nagano)	0.052
21	3/25 09:00 ~ 10:00	岐阜県	Gifu (Kakamigahara	0.062
22	3/25 09:00 ~ 10:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/25 09:00 ~ 10:00	愛知県	Aichi (Nagoya)	0.041
24	3/25 09:00 ~ 10:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 09:00 ~ 10:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 09:00 ~ 10:00	京都府	Kyoto (Kyoto)	0.039
27	3/25 09:00 ~ 10:00	大阪府	Osaka (Osaka)	0.043
28	3/25 09:00 ~ 10:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 09:00 ~ 10:00	奈良県	Nara (Nara)	0.048
30	3/25 09:00 ~ 10:00	和歌山県	Wakayama (Wakaya	0.032

31	3/25 09:00 ~ 10:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/25 09:00 ~ 10:00	島根県	Shimane (Matsue)	0.044
33	3/25 09:00 ~ 10:00	岡山県	Okayama (Okayam	0.051
34	3/25 09:00 ~ 10:00	広島県	Hiroshima (Hiroshin	0.051
35	3/25 09:00 ~ 10:00	山口県	Yamaguchi (Yamag	0.092
36	3/25 09:00 ~ 10:00	徳島県	Tokushima (Tokush	0.039
37	3/25 09:00 ~ 10:00	香川県	Kagawa (Takamats	0.056
38	3/25 09:00 ~ 10:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/25 09:00 ~ 10:00	高知県	Kochi (Kochi)	0.027
40	3/25 09:00 ~ 10:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 09:00 ~ 10:00	佐賀県	Saga (Saga)	0.04
42	3/25 09:00 ~ 10:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 09:00 ~ 10:00	熊本県	Kumamoto (Uto)	0.027
44	3/25 09:00 ~ 10:00	大分県	Oita (Oita)	0.05
45	3/25 09:00 ~ 10:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 09:00 ~ 10:00	鹿児島県	Kagoshima (Kagosh	0.037
47	3/25 09:00 ~ 10:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 10:00 ~ 11:00	北海道	Hokkaido (Sapporo)	0.028
2	3/25 10:00 ~ 11:00	青森県	Aomori (Aomori)	0.022
3	3/25 10:00 ~ 11:00	岩手県	Iwate (Morioka)	0.03
4	3/25 10:00 ~ 11:00	宮城県	Miyagi (Sendai)	
5	3/25 10:00 ~ 11:00	秋田県	Akita (Akita)	0.035
6	3/25 10:00 ~ 11:00	山形県	Yamagata (Yamaga	0.079
7	3/25 10:00 ~ 11:00	福島県	Fukushima (Futaba-gun)	
8	3/25 10:00 ~ 11:00	茨城県	Ibaraki (Mito)	0.286
9	3/25 10:00 ~ 11:00	栃木県	Tochigi (Itsunomiya	0.125
10	3/25 10:00 ~ 11:00	群馬県	Gunma (Maebashi)	0.081
11	3/25 10:00 ~ 11:00	埼玉県	Saitama (Saitama)	0.109
12	3/25 10:00 ~ 11:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 10:00 ~ 11:00	東京都	Tokyo (Shinjuku-ku	0.132
14	3/25 10:00 ~ 11:00	神奈川県	Kanagawa (Chigasa	0.087
15	3/25 10:00 ~ 11:00	新潟県	Niigata (Niigata)	0.047
16	3/25 10:00 ~ 11:00	富山県	Toyama (Imizu)	0.049
17	3/25 10:00 ~ 11:00	石川県	Ishikawa (Kanazaw	0.048
18	3/25 10:00 ~ 11:00	福井県	Fukui (Fukui)	0.046
19	3/25 10:00 ~ 11:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 10:00 ~ 11:00	長野県	Nagano (Nagano)	0.051
21	3/25 10:00 ~ 11:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 10:00 ~ 11:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/25 10:00 ~ 11:00	愛知県	Aichi (Nagoya)	0.041
24	3/25 10:00 ~ 11:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 10:00 ~ 11:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 10:00 ~ 11:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 10:00 ~ 11:00	大阪府	Osaka (Osaka)	0.043
28	3/25 10:00 ~ 11:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 10:00 ~ 11:00	奈良県	Nara (Nara)	0.048
30	3/25 10:00 ~ 11:00	和歌山県	Wakayama (Wakaya	0.032
31	3/25 10:00 ~ 11:00	鳥取県	Tottori (Touhaku-g	0.068
32	3/25 10:00 ~ 11:00	島根県	Shimane (Matsue)	0.039
33	3/25 10:00 ~ 11:00	岡山県	Okayama (Okayam	0.051
34	3/25 10:00 ~ 11:00	広島県	Hiroshima (Hiroshin	0.048
35	3/25 10:00 ~ 11:00	山口県	Yamaguchi (Yamag	0.091
36	3/25 10:00 ~ 11:00	徳島県	Tokushima (Tokush	0.038
37	3/25 10:00 ~ 11:00	香川県	Kagawa (Takamats	0.055
38	3/25 10:00 ~ 11:00	愛媛県	Ehime (Matsuyama)	0.048
39	3/25 10:00 ~ 11:00	高知県	Kochi (Kochi)	0.026
40	3/25 10:00 ~ 11:00	福岡県	Fukuoka (Dazaifu)	0.036

41	3/25 10:00 ~ 11:00	佐賀県	Saga (Saga)	0.039
42	3/25 10:00 ~ 11:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 10:00 ~ 11:00	熊本県	Kumamoto (Uto)	0.026
44	3/25 10:00 ~ 11:00	大分県	Oita (Oita)	0.05
45	3/25 10:00 ~ 11:00	宮崎県	Miyazaki (Miyazaki)	0.027
46	3/25 10:00 ~ 11:00	鹿児島県	Kagoshima (Kagosh	0.035
47	3/25 10:00 ~ 11:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 11:00 ~ 12:00	北海道	Hokkaido (Sapporo)	0.028
2	3/25 11:00 ~ 12:00	青森県	Aomori (Aomori)	0.023
3	3/25 11:00 ~ 12:00	岩手県	Iwate (Morioka)	0.029
4	3/25 11:00 ~ 12:00	宮城県	Miyagi (Sendai)	
5	3/25 11:00 ~ 12:00	秋田県	Akita (Akita)	0.035
6	3/25 11:00 ~ 12:00	山形県	Yamagata (Yamaga	0.078
7	3/25 11:00 ~ 12:00	福島県	Fukushima (Futaba-gun)	
8	3/25 11:00 ~ 12:00	茨城県	Ibaraki (Mito)	0.282
9	3/25 11:00 ~ 12:00	栃木県	Tochigi (Itsunomiya	0.124
10	3/25 11:00 ~ 12:00	群馬県	Gunma (Maebashi)	0.08
11	3/25 11:00 ~ 12:00	埼玉県	Saitama (Saitama)	0.109
12	3/25 11:00 ~ 12:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 11:00 ~ 12:00	東京都	Tokyo (Shinjuku-ku	0.129
14	3/25 11:00 ~ 12:00	神奈川県	Kanagawa (Chigasa	0.087
15	3/25 11:00 ~ 12:00	新潟県	Niigata (Niigata)	0.046
16	3/25 11:00 ~ 12:00	富山県	Toyama (Imizu)	0.048
17	3/25 11:00 ~ 12:00	石川県	Ishikawa (Kanazawa	0.047
18	3/25 11:00 ~ 12:00	福井県	Fukui (Fukui)	0.046
19	3/25 11:00 ~ 12:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 11:00 ~ 12:00	長野県	Nagano (Nagano)	0.051
21	3/25 11:00 ~ 12:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 11:00 ~ 12:00	静岡県	Shizuoka (Shizuoka	0.049
23	3/25 11:00 ~ 12:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 11:00 ~ 12:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 11:00 ~ 12:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/25 11:00 ~ 12:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 11:00 ~ 12:00	大阪府	Osaka (Osaka)	0.043
28	3/25 11:00 ~ 12:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 11:00 ~ 12:00	奈良県	Nara (Nara)	0.047
30	3/25 11:00 ~ 12:00	和歌山県	Wakayama (Wakaya	0.031
31	3/25 11:00 ~ 12:00	鳥取県	Tottori (Touhaku-g	0.067
32	3/25 11:00 ~ 12:00	島根県	Shimane (Matsue)	0.037
33	3/25 11:00 ~ 12:00	岡山県	Okayama (Okayama	0.05
34	3/25 11:00 ~ 12:00	広島県	Hiroshima (Hiroshin	0.046
35	3/25 11:00 ~ 12:00	山口県	Yamaguchi (Yamagu	0.091
36	3/25 11:00 ~ 12:00	徳島県	Tokushima (Tokush	0.038
37	3/25 11:00 ~ 12:00	香川県	Kagawa (Takamatsu	0.054
38	3/25 11:00 ~ 12:00	愛媛県	Ehime (Matsuyama)	0.049
39	3/25 11:00 ~ 12:00	高知県	Kochi (Kochi)	0.025
40	3/25 11:00 ~ 12:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 11:00 ~ 12:00	佐賀県	Saga (Saga)	0.039
42	3/25 11:00 ~ 12:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 11:00 ~ 12:00	熊本県	Kumamoto (Uto)	0.026
44	3/25 11:00 ~ 12:00	大分県	Oita (Oita)	0.05
45	3/25 11:00 ~ 12:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 11:00 ~ 12:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/25 11:00 ~ 12:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 12:00 ~ 13:00	北海道	Hokkaido (Sapporo)	0.029
2	3/25 12:00 ~ 13:00	青森県	Aomori (Aomori)	0.023
3	3/25 12:00 ~ 13:00	岩手県	Iwate (Morioka)	0.03

4	3/25 12:00 ~ 13:00	宮城県	Miyagi (Sendai)	
5	3/25 12:00 ~ 13:00	秋田県	Akita (Akita)	0.034
6	3/25 12:00 ~ 13:00	山形県	Yamagata (Yamaga	0.078
7	3/25 12:00 ~ 13:00	福島県	Fukushima (Futaba-gun)	
8	3/25 12:00 ~ 13:00	茨城県	Ibaraki (Mito)	0.281
9	3/25 12:00 ~ 13:00	栃木県	Tochigi (Itsunomiya	0.123
10	3/25 12:00 ~ 13:00	群馬県	Gunma (Maebashi)	0.08
11	3/25 12:00 ~ 13:00	埼玉県	Saitama (Saitama)	0.108
12	3/25 12:00 ~ 13:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 12:00 ~ 13:00	東京都	Tokyo (Shinjuku-ku	0.13
14	3/25 12:00 ~ 13:00	神奈川県	Kanagawa (Chigasa	0.087
15	3/25 12:00 ~ 13:00	新潟県	Niigata (Niigata)	0.046
16	3/25 12:00 ~ 13:00	富山県	Toyama (Imizu)	0.048
17	3/25 12:00 ~ 13:00	石川県	Ishikawa (Kanazawa	0.048
18	3/25 12:00 ~ 13:00	福井県	Fukui (Fukui)	0.045
19	3/25 12:00 ~ 13:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 12:00 ~ 13:00	長野県	Nagano (Nagano)	0.051
21	3/25 12:00 ~ 13:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 12:00 ~ 13:00	静岡県	Shizuoka (Shizuoka	0.048
23	3/25 12:00 ~ 13:00	愛知県	Aichi (Nagoya)	0.039
24	3/25 12:00 ~ 13:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 12:00 ~ 13:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/25 12:00 ~ 13:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 12:00 ~ 13:00	大阪府	Osaka (Osaka)	0.043
28	3/25 12:00 ~ 13:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 12:00 ~ 13:00	奈良県	Nara (Nara)	0.047
30	3/25 12:00 ~ 13:00	和歌山県	Wakayama (Wakaya	0.032
31	3/25 12:00 ~ 13:00	鳥取県	Tottori (Touhaku-g	0.065
32	3/25 12:00 ~ 13:00	島根県	Shimane (Matsue)	0.037
33	3/25 12:00 ~ 13:00	岡山県	Okayama (Okayama	0.049
34	3/25 12:00 ~ 13:00	広島県	Hiroshima (Hiroshin	0.046
35	3/25 12:00 ~ 13:00	山口県	Yamaguchi (Yamagu	0.09
36	3/25 12:00 ~ 13:00	徳島県	Tokushima (Tokush	0.038
37	3/25 12:00 ~ 13:00	香川県	Kagawa (Takamatsu	0.054
38	3/25 12:00 ~ 13:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/25 12:00 ~ 13:00	高知県	Kochi (Kochi)	0.025
40	3/25 12:00 ~ 13:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 12:00 ~ 13:00	佐賀県	Saga (Saga)	0.039
42	3/25 12:00 ~ 13:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 12:00 ~ 13:00	熊本県	Kumamoto (Uto)	0.026
44	3/25 12:00 ~ 13:00	大分県	Oita (Oita)	0.049
45	3/25 12:00 ~ 13:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 12:00 ~ 13:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/25 12:00 ~ 13:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 13:00 ~ 14:00	北海道	Hokkaido (Sapporo)	0.03
2	3/25 13:00 ~ 14:00	青森県	Aomori (Aomori)	0.023
3	3/25 13:00 ~ 14:00	岩手県	Iwate (Morioka)	0.03
4	3/25 13:00 ~ 14:00	宮城県	Miyagi (Sendai)	
5	3/25 13:00 ~ 14:00	秋田県	Akita (Akita)	0.034
6	3/25 13:00 ~ 14:00	山形県	Yamagata (Yamaga	0.078
7	3/25 13:00 ~ 14:00	福島県	Fukushima (Futaba-gun)	
8	3/25 13:00 ~ 14:00	茨城県	Ibaraki (Mito)	0.283
9	3/25 13:00 ~ 14:00	栃木県	Tochigi (Itsunomiya	0.123
10	3/25 13:00 ~ 14:00	群馬県	Gunma (Maebashi)	0.08
11	3/25 13:00 ~ 14:00	埼玉県	Saitama (Saitama)	0.107
12	3/25 13:00 ~ 14:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 13:00 ~ 14:00	東京都	Tokyo (Shinjuku-ku	0.13

14	3/25 13:00 ~ 14:00	神奈川県	Kanagawa (Chigasa	0.086
15	3/25 13:00 ~ 14:00	新潟県	Niigata (Niigata)	0.047
16	3/25 13:00 ~ 14:00	富山県	Toyama (Imizu)	0.049
17	3/25 13:00 ~ 14:00	石川県	Ishikawa (Kanazawa	0.049
18	3/25 13:00 ~ 14:00	福井県	Fukui (Fukui)	0.046
19	3/25 13:00 ~ 14:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 13:00 ~ 14:00	長野県	Nagano (Nagano)	0.05
21	3/25 13:00 ~ 14:00	岐阜県	Gifu (Kakamigahara	0.06
22	3/25 13:00 ~ 14:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/25 13:00 ~ 14:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 13:00 ~ 14:00	三重県	Mie (Yokkaichi)	0.046
25	3/25 13:00 ~ 14:00	滋賀県	Shiga (Ohtsu)	0.033
26	3/25 13:00 ~ 14:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 13:00 ~ 14:00	大阪府	Osaka (Osaka)	0.046
28	3/25 13:00 ~ 14:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 13:00 ~ 14:00	奈良県	Nara (Nara)	0.048
30	3/25 13:00 ~ 14:00	和歌山県	Wakayama (Wakaya	0.039
31	3/25 13:00 ~ 14:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 13:00 ~ 14:00	島根県	Shimane (Matsue)	0.037
33	3/25 13:00 ~ 14:00	岡山県	Okayama (Okayam	0.049
34	3/25 13:00 ~ 14:00	広島県	Hiroshima (Hiroshin	0.046
35	3/25 13:00 ~ 14:00	山口県	Yamaguchi (Yamag	0.09
36	3/25 13:00 ~ 14:00	徳島県	Tokushima (Tokush	0.038
37	3/25 13:00 ~ 14:00	香川県	Kagawa (Takamats	0.054
38	3/25 13:00 ~ 14:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/25 13:00 ~ 14:00	高知県	Kochi (Kochi)	0.025
40	3/25 13:00 ~ 14:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 13:00 ~ 14:00	佐賀県	Saga (Saga)	0.039
42	3/25 13:00 ~ 14:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 13:00 ~ 14:00	熊本県	Kumamoto (Uto)	0.026
44	3/25 13:00 ~ 14:00	大分県	Oita (Oita)	0.049
45	3/25 13:00 ~ 14:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 13:00 ~ 14:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/25 13:00 ~ 14:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 14:00 ~ 15:00	北海道	Hokkaido (Sapporo)	0.031
2	3/25 14:00 ~ 15:00	青森県	Aomori (Aomori)	0.023
3	3/25 14:00 ~ 15:00	岩手県	Iwate (Morioka)	0.029
4	3/25 14:00 ~ 15:00	宮城県	Miyagi (Sendai)	
5	3/25 14:00 ~ 15:00	秋田県	Akita (Akita)	0.035
6	3/25 14:00 ~ 15:00	山形県	Yamagata (Yamaga	0.078
7	3/25 14:00 ~ 15:00	福島県	Fukushima (Futaba-gun)	
8	3/25 14:00 ~ 15:00	茨城県	Ibaraki (Mito)	0.279
9	3/25 14:00 ~ 15:00	栃木県	Tochigi (Itsunomiya	0.122
10	3/25 14:00 ~ 15:00	群馬県	Gunma (Maebashi)	0.08
11	3/25 14:00 ~ 15:00	埼玉県	Saitama (Saitama)	0.107
12	3/25 14:00 ~ 15:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 14:00 ~ 15:00	東京都	Tokyo (Shinjuku-ku	0.129
14	3/25 14:00 ~ 15:00	神奈川県	Kanagawa (Chigasa	0.086
15	3/25 14:00 ~ 15:00	新潟県	Niigata (Niigata)	0.046
16	3/25 14:00 ~ 15:00	富山県	Toyama (Imizu)	0.048
17	3/25 14:00 ~ 15:00	石川県	Ishikawa (Kanazawa	0.05
18	3/25 14:00 ~ 15:00	福井県	Fukui (Fukui)	0.046
19	3/25 14:00 ~ 15:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 14:00 ~ 15:00	長野県	Nagano (Nagano)	0.05
21	3/25 14:00 ~ 15:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 14:00 ~ 15:00	静岡県	Shizuoka (Shizuoka	0.047
23	3/25 14:00 ~ 15:00	愛知県	Aichi (Nagoya)	0.039

24	3/25 14:00 ~ 15:00	三重県	Mie (Yokkaichi)	0.049
25	3/25 14:00 ~ 15:00	滋賀県	Shiga (Ohtsu)	0.034
26	3/25 14:00 ~ 15:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 14:00 ~ 15:00	大阪府	Osaka (Osaka)	0.045
28	3/25 14:00 ~ 15:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 14:00 ~ 15:00	奈良県	Nara (Nara)	0.048
30	3/25 14:00 ~ 15:00	和歌山県	Wakayama (Wakaya	0.039
31	3/25 14:00 ~ 15:00	鳥取県	Tottori (Touhaku-g	0.064
32	3/25 14:00 ~ 15:00	島根県	Shimane (Matsue)	0.036
33	3/25 14:00 ~ 15:00	岡山県	Okayama (Okayam	0.052
34	3/25 14:00 ~ 15:00	広島県	Hiroshima (Hiroshin	0.046
35	3/25 14:00 ~ 15:00	山口県	Yamaguchi (Yamag	0.09
36	3/25 14:00 ~ 15:00	徳島県	Tokushima (Tokush	0.037
37	3/25 14:00 ~ 15:00	香川県	Kagawa (Takamats	0.054
38	3/25 14:00 ~ 15:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/25 14:00 ~ 15:00	高知県	Kochi (Kochi)	0.024
40	3/25 14:00 ~ 15:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 14:00 ~ 15:00	佐賀県	Saga (Saga)	0.039
42	3/25 14:00 ~ 15:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 14:00 ~ 15:00	熊本県	Kumamoto (Uto)	0.026
44	3/25 14:00 ~ 15:00	大分県	Oita (Oita)	0.049
45	3/25 14:00 ~ 15:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 14:00 ~ 15:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/25 14:00 ~ 15:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 15:00 ~ 16:00	北海道	Hokkaido (Sapporo)	0.031
2	3/25 15:00 ~ 16:00	青森県	Aomori (Aomori)	0.023
3	3/25 15:00 ~ 16:00	岩手県	Iwate (Morioka)	0.029
4	3/25 15:00 ~ 16:00	宮城県	Miyagi (Sendai)	
5	3/25 15:00 ~ 16:00	秋田県	Akita (Akita)	0.035
6	3/25 15:00 ~ 16:00	山形県	Yamagata (Yamaga	0.078
7	3/25 15:00 ~ 16:00	福島県	Fukushima (Futaba-gun)	
8	3/25 15:00 ~ 16:00	茨城県	Ibaraki (Mito)	0.278
9	3/25 15:00 ~ 16:00	栃木県	Tochigi (Itsunomiya	0.123
10	3/25 15:00 ~ 16:00	群馬県	Gunma (Maebashi)	0.079
11	3/25 15:00 ~ 16:00	埼玉県	Saitama (Saitama)	0.107
12	3/25 15:00 ~ 16:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 15:00 ~ 16:00	東京都	Tokyo (Shinjuku-ku	0.129
14	3/25 15:00 ~ 16:00	神奈川県	Kanagawa (Chigasa	0.086
15	3/25 15:00 ~ 16:00	新潟県	Niigata (Niigata)	0.047
16	3/25 15:00 ~ 16:00	富山県	Toyama (Imizu)	0.051
17	3/25 15:00 ~ 16:00	石川県	Ishikawa (Kanazaw	0.057
18	3/25 15:00 ~ 16:00	福井県	Fukui (Fukui)	0.046
19	3/25 15:00 ~ 16:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 15:00 ~ 16:00	長野県	Nagano (Nagano)	0.05
21	3/25 15:00 ~ 16:00	岐阜県	Gifu (Kakamigahara	0.061
22	3/25 15:00 ~ 16:00	静岡県	Shizuoka (Shizuoka	0.054
23	3/25 15:00 ~ 16:00	愛知県	Aichi (Nagoya)	0.04
24	3/25 15:00 ~ 16:00	三重県	Mie (Yokkaichi)	0.054
25	3/25 15:00 ~ 16:00	滋賀県	Shiga (Ohtsu)	0.037
26	3/25 15:00 ~ 16:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 15:00 ~ 16:00	大阪府	Osaka (Osaka)	0.043
28	3/25 15:00 ~ 16:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 15:00 ~ 16:00	奈良県	Nara (Nara)	0.05
30	3/25 15:00 ~ 16:00	和歌山県	Wakayama (Wakaya	0.034
31	3/25 15:00 ~ 16:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 15:00 ~ 16:00	島根県	Shimane (Matsue)	0.036
33	3/25 15:00 ~ 16:00	岡山県	Okayama (Okayam	0.051

34	3/25 15:00 ~ 16:00	広島県	Hiroshima (Hiroshin	0.046
35	3/25 15:00 ~ 16:00	山口県	Yamaguchi (Yamagı	0.09
36	3/25 15:00 ~ 16:00	徳島県	Tokushima (Tokush	0.037
37	3/25 15:00 ~ 16:00	香川県	Kagawa (Takamatsı	0.055
38	3/25 15:00 ~ 16:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/25 15:00 ~ 16:00	高知県	Kochi (Kochi)	0.024
40	3/25 15:00 ~ 16:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 15:00 ~ 16:00	佐賀県	Saga (Saga)	0.04
42	3/25 15:00 ~ 16:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 15:00 ~ 16:00	熊本県	Kumamoto (Uto)	0.027
44	3/25 15:00 ~ 16:00	大分県	Oita (Oita)	0.049
45	3/25 15:00 ~ 16:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 15:00 ~ 16:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/25 15:00 ~ 16:00	沖縄県	Okinawa (Uruma)	0.021
1	3/25 16:00 ~ 17:00	北海道	Hokkaido (Sapporo)	0.03
2	3/25 16:00 ~ 17:00	青森県	Aomori (Aomori)	0.023
3	3/25 16:00 ~ 17:00	岩手県	Iwate (Morioka)	0.029
4	3/25 16:00 ~ 17:00	宮城県	Miyagi (Sendai)	
5	3/25 16:00 ~ 17:00	秋田県	Akita (Akita)	0.034
6	3/25 16:00 ~ 17:00	山形県	Yamagata (Yamaga	0.078
7	3/25 16:00 ~ 17:00	福島県	Fukushima (Futaba-gun)	
8	3/25 16:00 ~ 17:00	茨城県	Ibaraki (Mito)	0.277
9	3/25 16:00 ~ 17:00	栃木県	Tochigi (Itsunomiya	0.122
10	3/25 16:00 ~ 17:00	群馬県	Gunma (Maebashi)	0.08
11	3/25 16:00 ~ 17:00	埼玉県	Saitama (Saitama)	0.106
12	3/25 16:00 ~ 17:00	千葉県	Chiba (Ichihara)	0.09
13	3/25 16:00 ~ 17:00	東京都	Tokyo (Shinjuku-ku	0.127
14	3/25 16:00 ~ 17:00	神奈川県	Kanagawa (Chigasa	0.086
15	3/25 16:00 ~ 17:00	新潟県	Niigata (Niigata)	0.046
16	3/25 16:00 ~ 17:00	富山県	Toyama (Imizu)	0.057
17	3/25 16:00 ~ 17:00	石川県	Ishikawa (Kanazawa	0.062
18	3/25 16:00 ~ 17:00	福井県	Fukui (Fukui)	0.047
19	3/25 16:00 ~ 17:00	山梨県	Yamanashi (Kofu)	0.045
20	3/25 16:00 ~ 17:00	長野県	Nagano (Nagano)	0.05
21	3/25 16:00 ~ 17:00	岐阜県	Gifu (Kakamigahara	0.065
22	3/25 16:00 ~ 17:00	静岡県	Shizuoka (Shizuoka	0.05
23	3/25 16:00 ~ 17:00	愛知県	Aichi (Nagoya)	0.043
24	3/25 16:00 ~ 17:00	三重県	Mie (Yokkaichi)	0.056
25	3/25 16:00 ~ 17:00	滋賀県	Shiga (Ohtsu)	0.035
26	3/25 16:00 ~ 17:00	京都府	Kyoto (Kyoto)	0.038
27	3/25 16:00 ~ 17:00	大阪府	Osaka (Osaka)	0.043
28	3/25 16:00 ~ 17:00	兵庫県	Hyogo (Kobe)	0.037
29	3/25 16:00 ~ 17:00	奈良県	Nara (Nara)	0.049
30	3/25 16:00 ~ 17:00	和歌山県	Wakayama (Wakaya	0.032
31	3/25 16:00 ~ 17:00	鳥取県	Tottori (Touhaku-g	0.063
32	3/25 16:00 ~ 17:00	島根県	Shimane (Matsue)	0.036
33	3/25 16:00 ~ 17:00	岡山県	Okayama (Okayama	0.049
34	3/25 16:00 ~ 17:00	広島県	Hiroshima (Hiroshin	0.046
35	3/25 16:00 ~ 17:00	山口県	Yamaguchi (Yamagı	0.09
36	3/25 16:00 ~ 17:00	徳島県	Tokushima (Tokush	0.037
37	3/25 16:00 ~ 17:00	香川県	Kagawa (Takamatsı	0.054
38	3/25 16:00 ~ 17:00	愛媛県	Ehime (Matsuyama)	0.047
39	3/25 16:00 ~ 17:00	高知県	Kochi (Kochi)	0.024
40	3/25 16:00 ~ 17:00	福岡県	Fukuoka (Dazaifu)	0.036
41	3/25 16:00 ~ 17:00	佐賀県	Saga (Saga)	0.039
42	3/25 16:00 ~ 17:00	長崎県	Nagasaki (Ohmura)	0.029
43	3/25 16:00 ~ 17:00	熊本県	Kumamoto (Uto)	0.027

44	3/25 16:00 ~ 17:00	大分県	Oita (Oita)	0.049
45	3/25 16:00 ~ 17:00	宮崎県	Miyazaki (Miyazaki)	0.026
46	3/25 16:00 ~ 17:00	鹿児島県	Kagoshima (Kagosh	0.034
47	3/25 16:00 ~ 17:00	沖縄県	Okinawa (Uruma)	0.021

From: Oesterle, Eric
To: Burnell, Scott
Subject: RE: Action: OIP coordinated Q&A for review
Date: Friday, March 25, 2011 8:05:48 AM

Awesome, thanks!

Eric

From: Burnell, Scott
Sent: Friday, March 25, 2011 7:59 AM
To: Oesterle, Eric
Cc: Markley, Michael
Subject: RE: Action: OIP coordinated Q&A for review

Eric;

That's EXACTLY the level of detail I was looking for. Thanks!

Scott

From: Oesterle, Eric
Sent: Friday, March 25, 2011 6:39 AM
To: Burnell, Scott
Cc: Markley, Michael
Subject: Action: OIP coordinated Q&A for review

Scott,

Please review the following Q&A. It was a Q&A on which you commented on previously. I coordinated the response with OIP and have got their input and approval:

Did the NRC share the post 9/11 enhancements to the U.S. facilities with the Japanese?

Following the events of September 11, 2001, the NRC issued Orders requiring licensees to develop specific guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities using existing or readily available resources (equipment and personnel) that could be effectively implemented under the circumstances associated with loss of large areas of the plant due to explosions or fire, including those that an aircraft impact might create. Although it was recognized prior to September 11, 2001, that nuclear reactors already had significant capabilities to withstand a broad range of attacks, implementing mitigation strategies would significantly enhance the plants' capabilities to withstand a broad range of threats. NRC's Japanese counterpart, the Japan Nuclear and Industrial Safety Agency (NISA), visited NRC in 2008 and during that visit, NRC shared the broad range information contained in the NRC-issued Orders as referenced above. This cooperative exchange occurred under the authority of an international NRC and NISA Arrangement for technical exchange.

TTTT/198

Thanks,

Eric

Eric R. Oesterle (NRR Communications Team)
Senior Policy Analyst
Rulemaking and Guidance Development Branch (NRGA)
Division of New Reactor Licensing (DNRL)
Office of New Reactors (NRO)
US Nuclear Regulatory Commission (NRC)
301-415-1365

From: Burnell, Scott
To: Screnci, Diane; Sheehan, Neil; Hayden, Elizabeth
Cc: Brenner, Eliot; Harrington, Holly; McIntyre, David; Couret, Ivonne; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara
Subject: RE: Number of plants to be reviewed as part of seismic study
Date: Friday, March 25, 2011 9:01:00 AM

Incomplete information, perhaps... The GI-199 effort has always included all CEUS plants.

From: Screnci, Diane
Sent: Friday, March 25, 2011 9:01 AM
To: Burnell, Scott; Sheehan, Neil; Hayden, Elizabeth
Cc: Brenner, Eliot; Harrington, Holly; McIntyre, David; Couret, Ivonne; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara
Subject: RE: Number of plants to be reviewed as part of seismic study

Is that a change because of the earthquake in Japan... or have we been providing inaccurate information for two weeks?

DIANE SCRENCI
SR. PUBLIC AFFAIRS OFFICER
USNRC, RI
610/337-5330

From: Burnell, Scott
Sent: Friday, March 25, 2011 9:00 AM
To: Sheehan, Neil; Hayden, Elizabeth
Cc: Brenner, Eliot; Harrington, Holly; McIntyre, David; Couret, Ivonne; Screnci, Diane; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara
Subject: RE: Number of plants to be reviewed as part of seismic study

We've got GI-199 Q&A ready for distribution and that should help, but the short version is that every CEUS plant will get the GL and perform updated analysis, it's the 27 we'll be particularly interested in.

From: Sheehan, Neil
Sent: Friday, March 25, 2011 8:59 AM
To: Hayden, Elizabeth
Cc: Brenner, Eliot; Harrington, Holly; Burnell, Scott; McIntyre, David; Couret, Ivonne; Screnci, Diane; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Dricks, Victor; Uselding, Lara
Subject: Number of plants to be reviewed as part of seismic study

Beth,

I see you're quoted in the Greenwire story as saying we may now look at seismic risk for all of the U.S. reactors: http://www.eenews.net/Greenwire/print/2011/03/24/4 . We were told last September that the number of reactors making the cut for continued seismic evaluation was 27. Has that now changed? I'm confused.

Neil

TTT T/199

From:	Tabatabai, Omid
To:	Hill, Leslie; Mensah, Tanya; McIntosh, Angela; Doolittle, Elizabeth; Sullivan, Frederick
Cc:	Hawes, Cathy; Rosenberg, Stacey; Hilton, Nick; Donnell, Tremaine; QTE Resource; Burnell, Scott; OGCMailCenter Resource; Banic, Merrilee; Russell, Andrea
Subject:	RE: URGENT ACTION: NRR Issuance of a RIS Related to The Japan Earthquake By 3/25/11
Date:	Friday, March 25, 2011 9:11:40 AM

All,

This RIS does not apply to Part 52 applicants, as such, NRO does not need to concur/co-sign this RIS.

-----Original Message-----
From: Hill, Leslie
Sent: Thursday, March 24, 2011 1:31 PM
To: Mensah, Tanya; McIntosh, Angela; Doolittle, Elizabeth; Sullivan, Frederick; Tabatabai, Omid
Cc: Hawes, Cathy; Rosenberg, Stacey; Hilton, Nick; Donnell, Tremaine; QTE Resource; Burnell, Scott; OGCMailCenter Resource; Banic, Merrilee; Russell, Andrea
Subject: RE: URGENT ACTION: NRR Issuance of a RIS Related to The Japan Earthquake By 3/25/11

I'm the contact for NRR/PMDA - I depart @2:00 today, but will read in the a.m. - be sure to send it to me via email - tomorrow is my work@home day. Continue to have a Great NRC Day.

Leslie A. Hill, Management Analyst
NRC/NRR/PMDA
301-415-2158
"Go out on the limb, that's where the fruit is."
Leslie.Hill@nrc.gov

-----Original Message-----
From: Mensah, Tanya
Sent: Thursday, March 24, 2011 1:23 PM
To: McIntosh, Angela; Doolittle, Elizabeth; Sullivan, Frederick; Tabatabai, Omid
Cc: Hawes, Cathy; Rosenberg, Stacey; Hilton, Nick; Hill, Leslie; Donnell, Tremaine; QTE Resource; Burnell, Scott; OGCMailCenter Resource; Banic, Merrilee; Russell, Andrea
Subject: URGENT ACTION: NRR Issuance of a RIS Related to The Japan Earthquake By 3/25/11

Good afternoon:

NRR/DPR was assigned to develop a RIS today (it is due tomorrow). The only information that I have at the moment is the intent of the RIS (see below). Dave Beaulieu and Tom Alexion have the lead to develop the RIS. Tom Alexion plans to send a draft RIS to you all (or to a POC that you designate) either late today, or early tomorrow, with concurrence requested by 2:30 pm tomorrow (Friday) afternoon, if possible.

NRR may need a POC from your Office to concur on the RIS. The NRR technical leads have not yet identified the addressees that would be impacted and are still working on the RIS. Thus, if you believe your licensees would be impacted by issuance of this RIS (based upon the intent provided below), please advise us so that you can be added on concurrence. If you are not sure and need to see the draft prior to making a decision, that is fine. Please be sure to confirm with Tom who the POC is for your Office.

As soon as Tom has a draft available, he will forward it to you or the POC that you designate. In the meantime, please advise your senior management, as NRR will need expedited support (if the RIS is applicable to your licensees) to facilitate parallel concurrence.

I am also copying the contacts that normally review and concur on a RIS from OGC, OE, PMDA, OIS, and technical editor. OPA is copied for awareness only.

TTTT/200

INTENT

The U.S. Nuclear Regulatory Commission (NRC) is issuing this regulatory issue summary (RIS) to request that addressees with on-going environmental monitoring programs voluntary report to the NRC confirmed anomalous environmental radioactivity measurements likely caused by radioactive material released by the Fukushima Daiichi Nuclear Power Station in Japan following the March 11, 2011, Tohoku-Taiheiyou-Oki earthquake. This magnitude 9.0 earthquake and the subsequent tsunami caused significant damage to at least four of the six units of the Fukushima Daiichi Nuclear Power Station as the result of a sustained loss of both the offsite and on-site power systems. The information collected will be used to enhance the Federal and state monitoring programs.

Thanks again for your time and support,

Tanya Mensah, Generic Communications Program Manager
301-415-3610

From:	Alexion, Thomas
To:	McIntosh, Angela; Doolittle, Elizabeth; Tabatabai, Omid; Hilton, Nick; Donnell, Tremaine; QTE Resource; Burnell, Scott; OGCMailCenter Resource; Shoop, Undine; Pedersen, Roger; Conatser, Richard; Sullivan, Frederick; Hill, Leslie
Cc:	McGinty, Tim; Blount, Tom; Quay, Theodore; Rosenberg, Stacey; Mensah, Tanya; Beaulieu, David; Hawes, Cathy; Banic, Merrilee; Russell, Andrea
Subject:	THE RIS HAS BEEN TURNED OFF BY NRR UPPER MANAGEMENT IN CONSULTATION WITH THE EDO
Date:	Friday, March 25, 2011 10:41:25 AM

I was just informed that the proposed RIS regarding "Request for Licensee Radioactivity Measurements Attributed to Japanese Nuclear Power Plants Following Earthquake" has been **turned off** by upper NRR management in consultation with the EDO. However, it is advised that you keep any work that you had done related to this effort and not destroy it.

Thank you all for your quick acknowledgement and support on this proposed effort.

TTT/201

From:	Harrington, Holly
To:	Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Cc:	Anderson, Brian
Subject:	GI 199 Talking Points/Q&As
Date:	Friday, March 25, 2011 9:14:31 AM
Attachments:	GI safety risk analysis.docx

Thanks for Brian for these!

They are also posted in our G drive's Japan folder and on WebEOC

TTTT/202

Attachment GI safety risk analysis.docx (22538 Bytes) cannot be converted to PDF format.

From: Burnell, Scott
To: Borenstein, Seth
Cc: Brenner, Eliot
Subject: RE: AP science writer (pinch-hitting for Dina and Matt Daly) seeks NRC on latest on Fukushima unit 3 breach
Date: Friday, March 25, 2011 11:25:00 AM

Hi Seth;

Our overall stance on this hasn't changed -- we're just not in a position to be commenting on the latest "snapshot" of conditions. We continue to monitor the best available information coming from the site; nothing we've seen to this point would cause us to revise the recommendations we issued on the 16th. Thanks.

Scott

From: Borenstein, Seth [mailto:SBorenstein@ap.org]
Sent: Friday, March 25, 2011 11:13 AM
To: Burnell, Scott
Subject: AP science writer (pinch-hitting for Dina and Matt Daly) seeks NRC on latest on Fukushima unit 3 breach

Scott
It's Seth Borenstein, science writer at The Associated Press. I'm pinch-hitting for Dina Cappiello and Matt Daly. I know you're swamped, but given the latest out of Fukushima on a suspected breach in reactor 3 and highly radioactive water. We're wondering what NRC knows about what is going on. Can you please call me at 202-641-9454. And of course, I'm on immediate deadline.
This is what we're reporting out of Tokyo:

¶ TOKYO (AP) _ A suspected breach in the reactor at the stricken Fukushima nuclear plant could mean more serious radioactive contamination, Japanese officials revealed Friday, as the prime minister called the country's ongoing fight to **stabilize** the plant "very grave and serious."
¶ A somber Prime Minister Naoto Kan sounded a pessimistic note at a briefing hours after nuclear safety officials announced what could be a major setback in the urgent mission to stop the plant from leaking radiation, two weeks after a devastating earthquake and tsunami disabled it.
¶ "The situation today at the Fukushima Dai-ichi power plant is still very grave and serious. We must remain vigilant," Kan said. "We are not in a position where we can be optimistic. We must treat every development with the utmost care."
¶ The uncertain situation halted work at the nuclear complex, where dozens had been trying feverishly to stop the overheated plant from leaking dangerous radiation. The plant has leaked some low levels of radiation, but a breach could mean a much larger release of contaminants.
¶ **The possible breach in Unit 3 might be a crack or a hole in the stainless steel chamber of the reactor core or in the spent fuel pool that's lined with several feet of reinforced concrete. The temperature and pressure inside the core, which holds the fuel rods, remained stable and was far lower than would further melt the core.**

TTT/203

¶ Suspicions of a possible breach were raised when two workers waded into water 10,000 times more radioactive than levels normally found in water in or around a reactor and suffered skin burns, the Nuclear and Industrial Safety Agency said.

Thanks,
Seth

Seth Borenstein
Associated Press Science Writer
1100 13th St. NW, Suite 700
Washington, DC 20005-4076
202-641-9454
sborenstein@ap.org

From: OST02 HOC

To: Abrams, Charlotte; Abu-Eid, Boby; Adams, John; Afshar-Tous, Mugeh; Ahn, Hosung; Alemu, Bezakulu; Algama, Don; Alter, Peter; Anderson, Brian; Anderson, James; Arndt, Steven; Arribas-Colon, Maria; Ashkeboussi, Nima; Athey, George; Baker, Stephen; Ballam, Nick; Barnhurst, Daniel; Barr, Cynthia; Barss, Dan; Bazian, Samuel; Bensi, Michelle; Bergman, Thomas; Berry, Rollie; Bhachu, Ujagar; Bloom, Steven; Blount, Tom; Boger, Bruce; Bonnette, Cassandra; Borchardt, Bill; Bowers, Anthony; Bowman, Gregory; Boyce, Tom (RES); Brandon, Lou; Brandt, Philip; Brenner, Eliot; Brock, Kathryn; Brown, Cris; Brown, David; Brown, Eva; Brown, Frederick; Brown, Michael; Bukharin, Oleg; Burnell, Scott; Bush-Goddard, Stephanie; Campbell, Stephen; Camper, Larry; Carpenter, Cynthia; Carter, Mary; Case, Michael; Casto, Greg; Cecere, Bethany; Cervera, Margaret; Chazell, Russell; Chen, Yen-Ju; Cheok, Michael; Chokshi, Nilesh; Chowdhury, Prosanta; Chung, Donald; Circle, Jeff; Clement, Richard; Clinton, Rebecca; Coggins, Angela; Collins, Frank; Cool, Donald; Correia, Richard; Corson, James; Costa, Arlon; Couret, Ivonne; Craffey, Ryan; Crutchley, Mary Glenn; Cruz, Zahira; Cuadrado, Leira; Dacus, Eugene; DeCicco, Joseph; Decker, David; Dembek, Stephen; Devlin, Stephanie; Dimmick, Lisa; Doane, Margaret; Dorman, Dan; Dorsey, Cynthia; Dozier, Jerry; Drake, Margaret; Droggitis, Spiros; Dube, Donald; Dudes, Laura; Eads, Johnny; Emche, Danielle; English, Lance; Erlanger, Craig; Esmaili, Hossein; Figueroa, Roberto; Fiske, Jonathan; Flanders, Scott; Flannery, Cindy; Floyd, Daphene; Foggie, Kirk; Foster, Jack; Fragoyannis, Nancy; Franovich, Rani; Frazier, Alan; Freshman, Steve; Fuller, Edward; Galletta, Thomas; Gambone, Kimberly; Gardocki, Stanley; Gartman, Michael; Gibson, Kathy; Giitter, Joseph; Gilmer, James; Glenn, Nichole; Gordon, Dennis; Gott, William; Grant, Jeffery; Greenwood, Carol; Greenwood, Carol; Grimes, Kelly; Grobe, Jack; Gross, Allen; Gulla, Gerald; Hale, Jerry; Hardesty, Duane; Hardin, Kimberly; Hardin, Leroy; Harrington, Holly; Harris, Tim; Harrison, Donnie; Hart, Ken; Hart, Michelle; Harvey, Brad; Hasselberg, Rick; Hayden, Elizabeth; Helton, Donald; Henderson, Karen; Hiland, Patrick; Holahan, Patricia; Holahan, Vincent; Holian, Brian; HOO Hoc; Horn, Brian; Howard, Tabitha; Huffert, Anthony; Hurd, Sapna; Huyck, Doug; Imboden, Andy; Isom, James; Jackson, Karen; Jacobson, Jeffrey; Jervey, Richard; Jessie, Janelle; Johnson, Michael; Jolicoeur, John; Jones, Andrea; Jones, Cynthia; Jones, Henry; Kahler, Carolyn; Kammerer, Annie; Karas, Rebecca; Kauffman, John; Khan, Omar; Kolb, Timothy; Kotzalas, Margie; Kowalczik, Jeffrey; Kratchman, Jessica; Kugler, Andrew; Lamb, Christopher; Lane, John; Larson, Emily; Laur, Steven; LaVie, Steve; Lewis, Robert; Li, Yong; Lichatz, Taylor; Lising, Jason; Lombard, Mark; Lubinski, John; Lui, Christiana; Lukes, Kim; Lynch, Jeffery; Ma, John; Mamish, Nader; Manahan, Michelle; Marksberry, Don; Marshall, Jane; Masao, Nagai; Maupin, Cardelia; Mayros, Lauren; Mazaika, Michael; McConnell, Keith; McCoppin, Michael; McDermott, Brian; McGinty, Tim; McGovern, Denise; McIntyre, David; McMurtray, Anthony; Merritt, Christina; Meyer, Karen; Miller, Charles; Miller, Chris; Milligan, Patricia; Miranda, Samuel; Mohseni, Aby; Moore, Scott; Morlang, Gary; Morris, Scott; Mroz (Sahm), Sara; Munson, Clifford; Murray, Charles; Nerret, Amanda; Nguyen, Caroline; Norris, Michael; Norton, Charles; Opara, Stella; Ordaz, Vonna; Owens, Janice; Padovan, Mark; Parillo, John; Patel, Jay; Patel, Pravin; Patrick, Mark; Perin, Vanice; Pope, Tia; Powell, Amy; Purdy, Gary; Quinlan, Kevin; Raddatz, Michael; Ragland, Robert; Ralph, Melissa; Ramsey, Jack; Reed, Elizabeth; Reed, Sara; Reed, Wendy; Reeves, Rosemary; Reis, Terrence; Resner, Mark; Riley (OCA), Timothy; Riner, Kelly; Rini, Brett; Robinson, Edward; Rodriguez-Luccioni, Hector; Roggenbrodt, William; Ropon, Kimberly; Rosales-Cooper, Cindy; Rosenberg, Stacey; Ross-Lee, MaryJane; Roundtree, Amy; Ruland, William; Russell, Tonya; Ryan, Michelle; Salay, Michael; Salter, Susan; Salus, Amy; Sanfilippo, Nathan; Santos, Daniel; Scarbrough, Thomas; Schaperow, Jason; Schmidt, Duane; Schmidt, Rebecca; Schoenebeck, Greg; Schrader, Eric; Schwartzman, Jennifer; Seber, Dogan; See, Kenneth; Shane, Raeann; Shea, James; Shepherd, Jill; Sheron, Brian; Skarda, Raymond; Skeen, David; Sloan, Scott; Smiroldo, Elizabeth; Smith, Brooke; Smith, Stacy; Smith, Theodore; Stahl, Eric; Stang, Annette; Stark, Johnathan; Steger (Tucci), Christine; Stieve, Alice; Stone, Rebecca; Stransky, Robert; Sturz, Fritz; Sullivan, Randy; Summers, Robert; Sun, Casper; Tappert, John; Tegeler, Bret; Temple, Jeffrey; Thaggard, Mark; Thomas, Eric; Thorp, John; Tiruneh, Nebiyu; Tobin, Jennifer; Trefethen, Jean; Tschiltz, Michael; Turtil, Richard; Uhle, Jennifer; Valencia, Sandra; Vaughn, James; Vick, Lawrence; Virgilio, Martin; Virgilio, Rosetta; Ward, Leonard; Ward, William; Wastler, Sandra; Watson, Bruce; Webber, Robert; Weber, Michael; White, Bernard; Wiggins, Jim; Williams, Donna; Williams, Joseph; Williamson, Linda; Willis, Dori; Wimbush, Andrea; Wittick, Brian; Wray, John; Wright, Lisa (Gibney); Wright, Ned; Wunder, George; Young, Francis; Zimmerman, Jacob; Zimmerman, Roy

Subject: Suspending the PMTR GIS Analyst & PMTR Meteorologist Positions...

Date: Friday, March 25, 2011 12:12:39 PM

Importance: High

Please be advised that the position of PMTR GIS Analyst and PMTR Meteorologist has been suspended effective Pay Period 8 (Sunday, March 27).

Thank you for your support during the Japan Earthquake & Tsunami Event.

EST Admin Support
NRC Operations Center
eMail: OST02.HOC@nrc.gov
301-816-5100 x5600

TTTT/ 204

From:	Shannon, Valerie
To:	Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara; Akstulewicz, Brenda; Brenner, Eliot; Burnell, Scott; Harrington, Holly; Hayden, Elizabeth; Couret, Ivonne; Janbergs, Holly; McIntyre, David
Subject:	FOIA Requestt
Date:	Friday, March 25, 2011 12:13:56 PM
Attachments:	FOIAexemption.doc.pdf

We have received three FOIA requests from the Associated Press asking for all records regarding the Japan event between March 11-16. The 1st request (FOIA-2011-0120) asks for communication between NRC and government counterparts in Japan; the 2nd request (FOIA-2011-0118) asks for all communications between NRC employees to and from DOE, to and from GE-Energy and to and from Hitachi-GE Nuclear Energy. We assume OPA has no communications that fall within these two requests and have closed them out. If you DO have any records that apply, please notify me immediately along with a hard copy of the communication/email.

The third request (FOIA-2011-0119) asks for communications within the NRC. Communications include e-mails, faxes and written correspondence and covers March 11-16.
Communications that are administrative or operational in nature (e.g. OPA staffing needs, assigned shifts, etc.) are not included.

Please print out all appropriate e-mails (inbox, sent, delete) and indicate those that are NOT releasable, thereby making the remainder releasable by default. Identify the number of exemption for not releasing the record using the exemptions that are explained in the attachment. For Exemption 6, if there are any cell phone numbers, bracket this information and mark with Ex.# 6. Blackberry numbers are releasable. Provide a hard copy of marked e-mails to me. If a string of e-mails is more than one page, please staple them as one package. We understand everyone is very busy and ask that you do this when you have time. Let me know if you have any questions.

If the regional PAO's are responding through their FOIA person in the region to these requests, please let me know.

Thank You,
Val

TTTT/205

RM 464 Part II U.S. NUCLEAR REGULATORY COMMISSION	FOIA/PA	DATE
RESPONSE TO FREEDOM OF INFORMATION ACT (FOIA) / PRIVACY ACT (PA) REQUEST	2010-0292	MAR 3 2011

PART II.A -- APPLICABLE EXEMPTIONS

APPENDICES J, K

Records subject to the request that are described in the enclosed Appendices are being withheld in their entirety or in part under the Exemption No.(s) of the PA and/or the FOIA as indicated below (5 U.S.C. 552a and/or 5 U.S.C. 552(b)).

Ex 1 ☐ Exemption 1: The withheld information is properly classified pursuant to Executive Order 12958.

Ex 2 ☑ Exemption 2: The withheld information relates solely to the internal personnel rules and procedures of NRC.

- ☐ Low 2 Internal matters of a relatively trivial nature.
- ☑ High 2 Disclosure would risk circumvention of a legal requirement.

Ex 3 ☐ Exemption 3: The withheld information is specifically exempted from public disclosure by statute indicated.

- ☐ Sections 141-145 of the Atomic Energy Act, which prohibits the disclosure of Restricted Data or Formerly Restricted Data (42 U.S.C. 2161-2165).
- ☐ Section 147 of the Atomic Energy Act, which prohibits the disclosure of Unclassified Safeguards Information (42 U.S.C. 2167).
- ☐ 41 U.S.C., Section 253b, subsection (m)(1), prohibits the disclosure of contractor proposals in the possession and control of an executive agency to any person under section 552 of Title 5, U.S.C. (the FOIA), except when incorporated into the contract between the agency and the submitter of the proposal.

Ex 4 ☐ Exemption 4: The withheld information is a trade secret or commercial or financial information that is being withheld for the reason(s) indicated.

- ☐ The information is considered to be confidential business (proprietary) information.
- ☐ The information is considered to be proprietary because it concerns a licensee's or applicant's physical protection or material control and accounting program for special nuclear material pursuant to 10 CFR 2.390(d)(1).
- ☐ The information was submitted by a foreign source and received in confidence pursuant to 10 CFR 2.390(d)(2).
- ☐ Disclosure will harm an identifiable private or governmental interest.

Ex 5 ☑ Exemption 5: The withheld information consists of interagency or intraagency records that are not available through discovery during litigation. Applicable privileges:

- ☑ Deliberative process: Disclosure of predecisional information would tend to inhibit the open and frank exchange of ideas essential to the deliberative process. Where records are withheld in their entirety, the facts are inextricably intertwined with the predecisional information. There also are no reasonably segregable factual portions because the release of the facts would permit an indirect inquiry into the predecisional process of the agency.
- ☐ Attorney work-product privilege. (Documents prepared by an attorney in contemplation of litigation)
- ☑ Attorney-client privilege. (Confidential communications between an attorney and his/her client)

Ex 6 ☑ Exemption 6: The withheld information is exempted from public disclosure because its disclosure would result in a clearly unwarranted invasion of personal privacy.

Ex 7 ☐ Exemption 7: The withheld information consists of records compiled for law enforcement purposes and is being withheld for the reason(s) indicated.

- ☐ (A) Disclosure could reasonably be expected to interfere with an enforcement proceeding (e.g., it would reveal the scope, direction, and focus of enforcement efforts, and thus could possibly allow recipients to take action to shield potential wrongdoing or a violation of NRC requirements from investigators).
- ☐ (C) Disclosure would constitute an unwarranted invasion of personal privacy.
- ☐ (D) The information consists of names of individuals and other information the disclosure of which could reasonably be expected to reveal identities of confidential sources.
- ☐ (E) Disclosure would reveal techniques and procedures for law enforcement investigations or prosecutions, or guidelines that could reasonably be expected to risk circumvention of the law.
- ☐ (F) Disclosure could reasonably be expected to endanger the life or physical safety of an individual.

☑ OTHER (Specify)

The Appendix J and K records denied are listed in Comments section on NRC Form 464 Part 1.C.

PART II.B -- DENYING OFFICIALS

Pursuant to 10 CFR 9.25(g), 9.25(h), and/or 9.65(b) of the U.S. Nuclear Regulatory Commission regulations, it has been determined that the information withheld is exempt from production or disclosure, and that its production or disclosure is contrary to the public interest. The person responsible for the denial are those officials identified below as denying officials and the FOIA/PA Officer for any denials that may be appealed to the Executive Director for Operations (EDO).

DENYING OFFICIAL	TITLE/OFFICE	RECORDS DENIED	APPELLATE OFFICIAL		
			EDO	SECY	IG
Patrica Hirsch	Assistant General Counsel for Legal Counsel, Legislation and Special Projects	Appendix J and K - Items listed in Part I.C - Comments		✓	
Charles L. Miller	Director, Office of Federal and State Materials and Environmental Management Programs	Appendix J and K - Items listed in Part I.C - Comments	✓		

Appeal must be made in writing within 30 days of receipt of this response. Appeals should be mailed to the FOIA/Privacy Act Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, for action by the appropriate appellate official(s). You should clearly state on the envelope and letter that it is a "FOIA/PA Appeal."

From: David Biello
To: Burnell, Scott
Subject: Re: still got a good word for me?
Date: Friday, March 25, 2011 12:16:01 PM

---

i knew you'd have something...

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 25, 2011, at 12:13 PM, Burnell, Scott wrote:

The IG report is focused on a subset of defects; manufacturing defects. Both utilities and NRC inspectors have processes for identifying and reporting manufacturing defects. The fundamental issue identified by the report is administrative and pertains to how these defects are reported. The NRC has a variety of other regulations that effectively encompass reporting all defects, and the NRC continues to conclude plants are operating safely. The NRC will look at the IG report to see if our reporting systems can be further strengthened.

From: David Biello [mailto:dbiello@sciam.com]
Sent: Friday, March 25, 2011 12:20 PM
To: Burnell, Scott
Subject: Re: still got a good word for me?

i understand. i love the fact that your ig piled on too. good timing. what's the nrc response on that?

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833

TTTT/206

f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

On Mar 25, 2011, at 12:08 PM, Burnell, Scott wrote:

As soon as I can get to 'em, David. As usual, no idea when that'll be.

From: David Biello [mailto:dbiello@sciam.com]
Sent: Friday, March 25, 2011 12:02 PM
To: Burnell, Scott
Subject: still got a good word for me?

http://www.scientificamerican.com/article.cfm?id=safety-concerns-status-quo-at-us-reactors

working on evacuation zones now. anything to add there? or on any of the other questions?

(1) Will the Fukushima incident prompt any revisit of the issues around relicensing given some plants are the same design?

(2) What is the NRC plan for an event at a nuclear power plant that eliminates the electric grid and backup diesel generators for days to weeks?

(3) What specifics can you give me on the NRC's programs to cope with metal embrittlement, weld cracks and the like as a result of operational stress at the nation's aging fleet?

(4) Given the potential for inhalation and ingestion, why is tritium considered not a risk? Why dismiss beta decay (which seems to do plenty of damage)?

(5) Given the 50-mile evacuation suggestion in Japan, how will the NRC revise its evacuation guidance to nuclear power plant operators?

(6) Given the leaks at Fukushima, any reconsideration of the AP-1000 design and its secondary containment building "vents" near the roof?

(7) Will there be any reconsideration of reracking and other spent fuel pool

practices? How much fuel is in spent pools today?

(8) What is the NRC view on the effect salt will have on these reactors?

David Biello
Associate Editor, Environment & Energy
Scientific American
75 Varick Street, 9th Floor
New York, NY 10013-1917
o: 212.451.8833
f: 212.755.1976
Twitter: @dbiello
http://davidbiello.tumblr.com/
www.scientificamerican.com

From: Shoop, Undine
To: Shoop, Undine; Dickson, Billy; Henderson, Pamela; Werner, Greg; Bonser, Brian
Cc: Burnell, Scott; Giitter, Joseph; Brown, Frederick; Westreich, Barry; Nelson, Robert
Subject: Update: RIS to licensees on radioisotopes that are detected from the Japanese event
Date: Friday, March 25, 2011 1:00:52 PM

All,

There has been a change in plans. We no longer plan to develop a generic communication. As it stands right now (and it has been changing 4 times every day), it looks like they will submit the information to NEI, NEI will provide it to the HOO, and then the appropriate organization (PMT of the IRC for now) will provide the information to our federal counterparts.

I'll send out another update if things change.

Thanks,
Undine

From: Shoop, Undine
Sent: Thursday, March 24, 2011 2:16 PM
To: Dickson, Billy; Henderson, Pamela; Werner, Greg; Bonser, Brian
Cc: Burnell, Scott; Giitter, Joseph; Brown, Frederick; Westreich, Barry; Nelson, Robert
Subject: RIS to licensees on radioisotopes that are detected from the Japanese event

All,

NRR has been directed to develop a RIS to the licensees regarding radioisotopes detected by the REMP program that are from the Japanese event. This RIS will request that the licensees voluntarily submit their results to the Operations Center at hoo.hov@nrc.gov . In parallel, NEI will also be requesting the information from the licensees. This is the information we are requesting:

When reporting information, the following should be provided as applicable:

1. Sample date(s) and time
2. Approximate locations(s)
3. Environmental sample medium (eg, air particulate filter, air charcoal, milk, sediment, vegetation, rainwater, groundwater, etc…)
4. Type of analysis (eg, gross beta, iodine-131, tritium, etc…)
5. Analysis result(s) (in units typically used in the environmental monitoring program and include applicable detection sensitivity)

If you have any questions, please let me know.

Undine Shoop
Chief, Health Physics and Human Performance Branch
Division of Inspection and Regional Support
Office of Nuclear Reactor Regulation
301-415-2063

TTT/207

From: Khanna, Meena
To: Burnell, Scott
Subject: RE: Revised GI-199 Q&A
Date: Friday, March 25, 2011 1:02:58 PM

Will do

From: Burnell, Scott
Sent: Friday, March 25, 2011 12:57 PM
To: Khanna, Meena; Anderson, Brian
Subject: Re: Revised GI-199 Q&A

Please work the revised talking points through Brian, thanks!

Sent from an NRC Blackberry
Scott Burnell
202-441-0471

From: Khanna, Meena
To: Burnell, Scott
Cc: Manoly, Kamal; Hiland, Patrick; Skeen, David
Sent: Fri Mar 25 12:55:21 2011
Subject: FW: Revised GI-199 Q&A

Scott, here are some minor edits..thanks. I will send you the updated talking points shortly.

From: Burnell, Scott
Sent: Friday, March 25, 2011 12:26 PM
To: Khanna, Meena; Hiland, Patrick; Manoly, Kamal
Cc: Anderson, Brian
Subject: Revised GI-199 Q&A
Importance: High

All;

Is this revised answer to the GL question acceptable?

---

7. What happens next with GI-199?

The NRC is developing a Generic Letter (GL) to request information from all 104 U.S. nuclear plants. The GL is planned to be issued in draft form to support a public meeting in late Spring 2011. In addition, in accordance with its internal review processes, the NRC will also present the GL to the Advisory Committee on Reactor Safeguards ~~(ACRS) both before and after the public comment period~~. In addition, the draft GL will be issued for formal public comment in late Summer 2011. The final GL is expected to be issued by end of 2011, near the time when new seismic models become available. These new seismic models are being developed by NRC, DOE, and EPRI. In addition the USGS will review the model.

Information requested in the GL will likely require 3 to 6 months for nuclear plant licensees to prepare. NRC's review will be on-going as information is collected, ~~with an initial focus on the 27 CEUS plants where the screening called for additional analysis.~~ Based on NRC's review of that information, a determination will be made regarding potential changes at nuclear plants based on cost beneficial backfit.

We need to resolve this by 1 p.m. Thanks.

Scott

From: Burnell, Scott
To: Ostroff, James
Subject: Ongoing reviews
Date: Friday, March 25, 2011 1:26:00 PM

Hi Jim;

President Obama asked for a comprehensive safety review at all U.S. nuclear power plants.

We issued the Information Notice regarding the quake on March 18 -- http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-052.pdf.

On the 23rd we issued the Temporary Instruction mentioned in the IN, which directs NRC inspectors to a) independently assess the adequacy of licensee actions in response to the Fukushima Daiichi event and b) to coordinate their inspection efforts with the licensees schedule for verification of plant capabilities. The TI is available on the website here: http://pbadupws.nrc.gov/docs/ML1107/ML11077A007.pdf

On the 23rd we also announced the task force that will carry out the overall safety review: http://www.nrc.gov/reading-rm/doc-collections/news/2011/11-055.pdf

Thanks.

Scott

TTTI/208

From:	Brenner, Eliot
To:	"jmorris@publicintegrity.org"
Cc:	Farrington, John; Salley, MarkHenry; Couret, Ivonne; McIntyre, David; Burnell, Scott
Subject:	monideep dey
Date:	Friday, March 25, 2011 4:11:53 PM

Mr. Morris: Thanks for your call to my office a few minutes ago. We are knee deep in other matters and Mr. Salley is not available. Before we would sit and talk about this individual I have a laundry list of things you will need to obtain from Mr. Dey, including a privacy act waiver to discuss with you, or anyone else, any and all documents related to his termination and any and all correspondence he has had with the NRC since his termination. I am currently up to my neck in Japan-related things and will be all of next week. I am then out of the country for about a week, again dealing with Japan matters. Those issues must take precedence. The first day that I can remotely see as available is deep into the week of April 11th. I am the only person in the Office of Public Affairs authorized to deal with this matter.

There are some specific documents I will want Dey to provide you, but I am at home and do not have that list in front of me. I can ship that to you Monday.

If Dey produces a full and unfettered waiver, and documents to you, I can get into detail. If he declines, I will provide you with a short description of where he has failed to make a case anywhere within government. Should he decline to provide you the waiver, I would encourage you to ask yourself what it is he does not want you to see. I would be very disappointed if Mr. Dey were cynically trying to ride a tragedy in Japan to his own ends, but not at all surprised.

Eliot Brenner
Director, Office of Public Affairs
Nuclear Regulatory Commission

TTTT/209

Lee, Richard

From: SCHU [SCHU@hq.doe.gov]
Sent: Sunday, March 27, 2011 12:46 PM
To: Aoki, Steven; Garwin, Dick (IBM); Larzelere, Alex
Cc: Adams, Ian; Aoki, Steven; Binkley, Steve; Brinkman, Bill; Budnitz, Bob; DAgostino, Thomas; Finck, Phillip; Garwin, Dick (EOP); Garwin, Dick (IBM); Grossenbacher, John (INL); Hurlbut, Brandon; John Holdren; Kelly, John E (NE); Koonin, Steven; Lee, Richard; Lyons, Peter; McFarlane, Harold; Miller, Neile; Mustin, Tracy; NITSolutions; Owens, Missy; Peterson, Per; Poneman, Daniel; SCHU; Sheron, Brian; Steve Fetter; Szilard, Ronaldo; Binkley, Steve
Subject: RE: FW: Water Level Sensors and Deployment Concepts

I has suggested very early on that one use a crane to lower a fire hose into the spent fuel pools and hook up a remotely operated pump and value system. Has this idea been communicated to the NRC, TEPCO and the Japanese government?

One may be able to dedicate a relatively modest pump to each spent fuel pool. Robotic hook-up introduces a probability of failure. One has to install a few several one-way check valves in each of the lines to prevent unintentional siphoning.

A means of monitoring the water level is each of the pools is essential. To allow for truly remote operation, both the pump and the pressure monitors have to be accessed and read remotely. That would argue for a gauge with an electronic read out.

Steven Chu
Department of Energy

From: Aoki, Steven
Sent: Saturday, March 26, 2011 11:30 PM
To: Garwin, Dick (IBM); Larzelere, Alex
Cc: DL-NITsolutions; Binkley, Steve
Subject: RE: FW: Water Level Sensors and Deployment Concepts

If this hasn't been addressed already, perhaps we should push to ensure that the Japanese retain the ability to top up the spent fuel pools, even if radiation levels on the ground near the reactor buildings preclude access by human operators or continued use of a man-operated crane. At its simplest, this could would be no more than a pipe fixed to the pool, with the other end at ground level fitted with a robot-operable quick connect to which a hose could be attached. Some redundancy would be desirable, since one would not want to lose the ability to introduce water to the pool if there were to be damage to a single fill pipe .

From: Garwin, Dick (IBM)
Sent: Saturday, March 26, 2011 8:29 PM
To: Larzelere, Alex
Cc: DL-NITsolutions; Binkley, Steve
Subject: Re: FW: Water Level Sensors and Deployment Concepts

Thanks for this, Alex.

Re these couple of paragraphs:

" • **Bubbler Tube**

TTT/210

If you can insert a bubbler tube to use that method, surely you can fix a pressure gauge to the end of such a tube and use a small cable for data exfiltration. Alternatively, put the pinger of b) at the bottom of the tube and let the pickup float higher up in the tube.

∀• **Dual Manometer**

Two mamometers could be used to measure the pressure differential between the distance between the tank top and the water level. One manometer would be equipped with a hose that would be lowered to the level of the water to capture the airpressure at the level. The second manometer would record the pressure at the top of the tank and the difference between the two (with some minor corrections) would then be used to calculate the height difference."

'd like to restate my 03/2?? description of a bubbler,

'What is a bubbler?

Put a tube down to the bottom of the spent fuel pool (SFP), and connect with a tiny flexible hose to a site on the ground 100 m away.

A small air flow through the tube will bubble out into the SFP and produce a pressure at the source which is equal to 15 psi for 30 feet of depth in the pool.

Can measure whenever you want. "

A control station on the ground might lead to 5 or gten bubbler hoses, each with a 0-15 psi pressure gauge. To start a pressure measurement, once a hollow lance has been dropped to the bottom of a pool which is open to the atmosphere at its surface, one would connect air pressure to the tube for rapid clearance of fluid within the lance, and then reduce the airflow to a "bubbling" rate. The pressure drop in the 100 meters of tubing is negligible compared with the 15 psi that would be required to bubble air from an open aperture below 30 ft of water. No "dual manometer" is needed, because the density of air is only 1/800 that of water. So even an altitude difference of 90 ft, along the air-filled hose between the pressure gauge on the ground and the pool of which we are measuring the depth, would correspond to a bias in the measured water depth of only 90 ft/800 or about 1 inch-- negligible compared with the 10-30 ft depths we want to measure.

Dick Garwin

Lee, Richard

From: SCHU [SCHU@hq.doe.gov]
Sent: Sunday, March 27, 2011 4:46 PM
To: Sheron, Brian; Larzelere, Alex; DL-NITsolutions
Subject: RE: Spent Fuel Pool Level Measurement
Attachments: image001.jpg

There is a membrane/diaphragm to prevent fluid flow. As an added safety measure, another one-way check valve should be installed as described. The rigid stick tied to both tubes is there to tell how deep the bottom tube is relative to the pool bottom. Because both tubes are tied to the stick, there is no calibration uncertainty.

One would need to know how deep the tube is for the bubble techniques as well.

1 cc/min N_2 flow is close to the edge. In any case, a simple gauge may be easier than several nitrogen tanks that have to changed every month or so.

Steven Chu
Department of Energy

From: Sheron, Brian
Sent: Sunday, March 27, 2011 4:29 PM
To: Larzelere, Alex; DL-NITsolutions
Subject: RE: Spent Fuel Pool Level Measurement

The most likely scenario is that the bottom of the pool is filled with debris, so whatever is stuck into the pool can only be submerged to the level of the debris bed.

The water in the pool is highly radioactive. Won't it siphon back in the tube and contaminate the gauge?

From: Larzelere, Alex [mailto:alex.larzelere@nuclear.energy.gov]
Sent: Sunday, March 27, 2011 3:42 PM
To: DL-NITsolutions
Subject: Spent Fuel Pool Level Measurement

Everybody,

After some conversation with the Secretary today, it was decided that DOE would suggest two methods for measuring the water level in the SFP (dual hose and bubbler) to the Japanese. Attached is a write up of those two methods.

Please look this over in anticipation of the 5pm call and be ready with any comments, questions or edits.

Thanks,

Alex

Alex R. Larzelere
Director, Advanced Modeling and Simulation Office
Office of Nuclear Energy (NE-71)
U.S. Department of Energy
202-586-1906
Alex.Larzelere@nuclear.energy.gov

TTT/211

Lee, Richard

From: Richard L Garwin [rlg2@us.ibm.com]
Sent: Sunday, March 27, 2011 4:41 PM
To: Sheron, Brian
Cc: Larzelere, Alex; DL-NITsolutions
Subject: RE: Spent Fuel Pool Level Measurement
Attachments: ATT00001..jpg

1. One is not really interested in the bottom two meters of the pool. Even if a comera won't survive for long, it could be used to determine how much of the lance is submerged below the top deck of the pool.

2. one can tape a passive anti-siphon device to the lance. These are used to prevent air access to liquid helium dewars under atmospheric pressure changes. I used to drive the dewars up and down hills of 1000-ft altitude and avoided problems in this way

Dick Garwin

From: "Sheron, Brian" <Brian.Sheron@nrc.gov>
To: "Larzelere, Alex" <alex.larzelere@nuclear.energy.gov>, DL-NITsolutions <DL-NITsolutions@nnsa.doe.gov>
Date: 03/27/2011 04:29 PM
Subject: RE: Spent Fuel Pool Level Measurement

The most likely scenario is that the bottom of the pool is filled with debris, so whatever is stuck into the pool can only be submerged to the level of the debris bed.

The water in the pool is highly radioactive. Won't it siphon back in the tube and contaminate the gauge?

From: Larzelere, Alex [mailto:alex.larzelere@nuclear.energy.gov]
Sent: Sunday, March 27, 2011 3:42 PM
To: DL-NITsolutions
Subject: Spent Fuel Pool Level Measurement

Everybody,

After some conversation with the Secretary today, it was decided that DOE would suggest two methods for measuring the water level in the SFP (dual hose and bubbler) to the Japanese. Attached is a write up of those two methods.

Please look this over in anticipation of the 5pm call and be ready with any comments, questions or edits

Thanks,

Alex

Alex R. Larzelere
Director, Advanced Modeling and Simulation Office
Office of Nuclear Energy (NE-71)
U.S. Department of Energy
202-586-1906
Alex.Larzelere@nuclear.energy.gov

TTTT/ 212

From:	RMTPACTSU_ELNRC
To:	LIA11 Hoc; LIA01 Hoc; LIA02 Hoc; LIA07 Hoc; LIA08 Hoc; LIA12 Hoc; LIA04 Hoc; Harrington, Holly; McIntyre, David; Burnell, Scott; ET07 Hoc; nitops@doe.gov; ann.heinrich@nnsa.doe.gov; vince.mcclelland@nnsa.doe.gov; steven.buntman@nnsa.doe.gov
Subject:	FW: State Task Force Cables
Date:	Monday, March 28, 2011 6:27:32 AM
Attachments:	(SBU) 03.25.11 - Japan TF Sitrep 26.docx (SBU) 03.26.11 - Japan TF Sitrep 27.docx (SBU) 03.27.11 - Japan TF Sitrep 28.docx

---

From: RMTPACTSU_INC
Sent: Monday, March 28, 2011 6:25 AM
To: RMT_PACTSU
Subject: State Task Force Cables

Please find attached weekend cables from the State Task Force on Japan.

Helen Ho and Lily Frey
Information Coordinators
Pacific Tsunami and Japan Earthquake Response Management Team
RMTPACTSU_INC@ofda.gov
202-712-0039

TTTT/ 213

Attachment (SBU) 03.25.11 - Japan TF Sitrep 26.docx (23842 Bytes) cannot be converted to PDF format.

Attachment (SBU) 03.26.11 - Japan TF Sitrep 27.docx (23688 Bytes) cannot be converted to PDF format.

Attachment (SBU) 03.27.11 - Japan TF Sitrep 28.docx (24312 Bytes) cannot be converted to PDF format.

From:	Nelson, Robert
To:	Burnell, Scott
Subject:	FYI: ANS Technical Brief: MOX Fuel & Fukushima
Date:	Monday, March 28, 2011 8:15:43 AM
Attachments:	ANS-Technical-Brief-MOX-Fukushima.pdf

NELSON

-----Original Message-----
From: ANS Broadcasts [mailto:broadcasts@ans.org]
Sent: Saturday, March 26, 2011 6:43 AM
To: Markley, Michael
Subject: ANS Technical Brief: MOX Fuel & Fukushima

The ANS Special Committee on Nuclear Non-Proliferation has prepared the attached Technical Brief on The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi.

For additional Fukushima resources, visit the "Featured Content" box on the front page of the American Nuclear Society's website:

http://www.ans.org/

TTTT/214

AMERICAN NUCLEAR SOCIETY

555 North Kensington Avenue
La Grange Park, Illinois
60526-5592 USA

Tel: 708/ 352-6611
E-Mail: NUCLEUS@ans.org
http://www.ans.org
Fax: 708/ 352-0499

Date: March 25, 2011

To: Joe Colvin
ANS President

From: Michaele (Mikey) Brady Raap
Chair, ANS Professional Divisions Committee

Below please find the Technical Brief on The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi. This Technical Brief contains factual information prepared by the ANS Special Committee on Nuclear Non-Proliferation.

The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi

American Nuclear Society Technical Brief – March 2011

Conclusion

Mixed Oxide (MOX) fuel has been used safely in nuclear power reactors for decades. The presence of a limited number of MOX fuel assemblies at Fukushima Daiichi Unit 3 has not had a significant impact on the ability to cool the reactor or on any radioactive releases from the site due to damage from the earthquake and tsunami.

Summary

At the time of the magnitude 9.0 earthquake, Fukushima Daiichi Unit 3 was operating with 32 mixed oxide (MOX) fuel assemblies and 516 low enriched uranium (LEU) fuel assemblies in its reactor core. In other words, less than 6% of the fuel in the Unit 3 core was MOX fuel. There were no other MOX fuel assemblies (new, in operation or used) at the Fukushima Daiichi plant at the time of the accident.

MOX fuel assemblies were loaded into Fukushima Daiichi Unit 3 for the first time in the fall of 2010. The MOX fuel had been used for less than five months at the time of the accident. Differences in initial fuel composition between MOX and LEU fuel can lead to differences in consequences (prompt fatalities and latent cancers) following a core damage event with releases to the environment.

There are indications that Fukushima Daiichi Unit 3 suffered damage to some of its core. The core damage resulted from a loss of core cooling due to damage to plant systems from the tsunami that followed the earthquake. The damage was not related to the presence of MOX fuel.

There have been no prompt fatalities as a result of radiation exposure from Fukushima Daiichi. Prompt evacuation has minimized radiation exposure to the public, so long-term public health consequences from radiation exposure are expected to be small. Given the small number of MOX fuel assemblies at Fukushima Daiichi Unit 3 at the time of the event, coupled with the short time of irradiation of the MOX fuel, it can be concluded that MOX fuel has had and will have no perceptible impact on any consequences from the event.

Background

It is important to note that while LEU fuel begins its useful life with no plutonium, as it is used in a light water reactor it builds up plutonium as a result of the nuclear reactions in the core. By the end of its useful life an LEU fuel assembly contains about 1% plutonium actually generates more power from plutonium than from uranium. All reactor cores contain plutonium; those cores loaded with some MOX fuel contain more.

Mixed oxide (MOX) fuel is comprised of a blend of uranium oxide and plutonium oxide. MOX fuel is predominantly uranium, with average concentrations of plutonium that range from 3-10%. The presence of plutonium produces modest changes in some physical characteristics of the fuel material such as thermal conductivity. However, MOX fuel and low-enriched uranium (LEU) fuel are fundamentally similar. Moreover, the physical dimensions and structural material of a MOX fuel assembly are essentially identical to that of a LEU fuel assembly. To the naked eye, a MOX fuel assembly and a LEU fuel assembly are identical.

Nuclear power plants have been generating electricity for use by the public since the 1950s, and over those years the industry has compiled an enviable safety record. Today over 400 reactors worldwide generate substantial amounts of emissions-free electricity. Dozens of those reactors currently generate power using a mixture of conventional LEU fuel assemblies and MOX fuel assemblies in their reactor cores. The majority of the fuel loaded into these reactors is LEU (60-70% or more), while the remainder (30-40% or less) is MOX. The use of MOX fuel allows the re-use of plutonium that was recovered during nuclear fuel recycling operations. The fabrication and use of MOX fuel has been carried out safely and efficiently on an industrial scale since the 1970s. Safety authorities in France, Belgium, Germany, Switzerland and Japan have all approved the use of MOX fuel in light water reactors using the same rigorous standards that are applied for the licensing of LEU fuel.

Safety is the cornerstone of nuclear power plant operations. Nuclear power plant operators perform safety analyses to determine how the plants will respond during various "what if" problem scenarios. Some of those scenarios involve extreme conditions coupled with multiple equipment failures that lead to estimates of damage to the fuel in the reactor core. Scenarios with significant damage to the reactor core are referred to as severe accidents, and such accidents can result in the calculated release of radionuclides to the environment. Severe accident consequences are the adverse public health effects – fatalities and latent cancers – that arise from the offsite release of radionuclides from a damaged reactor core.

When uranium or plutonium atoms split (fission), they release a relatively large amount of energy which is converted into heat and eventually electricity. The smaller atoms left behind after fission are referred to as fission products. In addition, some of the uranium and plutonium atoms in nuclear fuel assemblies absorb neutrons without fissioning, becoming even heavier atoms called actinides. Both fission products and actinides are radioactive, posing a health hazard if they are released to the environment. Using MOX fuel alters somewhat the "source term," or mix of radionuclides in the core and available for release following a severe accident. The different source term between MOX fuel and LEU fuel leads to different calculated consequences following a postulated severe accident.

In November 1999 the Department of Energy published the Surplus Plutonium Disposition Environmental Impact Statement which documented, among other things, the consequences of four severe accident scenarios at three different reactors using some MOX fuel derived from weapons grade plutonium. Each reactor accident sequence was analyzed with two different reactor core assumptions: a reference case with all LEU fuel, and a second case with a mixed core of approximately 40% MOX fuel and the remainder LEU fuel. For each case the severe accident was assumed to progress in the same manner. Relative to the reference case with all LEU fuel, the offsite consequences to the public with the mixed MOX-LEU core ranged from 4% lower to 22% higher, depending on the reactor studied and the accident sequence. Most cases resulted in consequence increases of 10% or less. The differences between the consequences relate back to differences in the source term. The mixed MOX-LEU core consequences were generally higher because of the presence of more radioactive actinides in the MOX fuel at the time of the postulated accident. However, the differences were modest compared to the uncertainty associated with the consequence calculations for these extremely low probability events.

The type of plutonium used in MOX fuel can also impact severe accident consequences. The aforementioned analysis assumed weapons grade plutonium. If the calculations had been done for MOX fuel containing plutonium from recycled commercial nuclear fuel, as is the practice in Europe and Asia today, the difference between the all uranium cases and the 40% MOX fuel consequences would have been greater than cited above. This is again due primarily to the presence of more radioactive actinides in used "reactor grade" MOX fuel (with plutonium from recycled reactor fuel) than in used weapons grade MOX fuel (with plutonium from retired nuclear weapons).

Turning to the Fukushima Daiichi reactors in Japan, Unit 3 was using some reactor grade MOX fuel at the time of the March 2011 earthquake. Had it been using a 40% MOX fuel core, one could expect an increase in severe accident consequences on the order of 10% for weapons grade MOX. With a 40% reactor grade MOX core, and applying a bounding factor of four increase relative to weapons grade MOX, the overall increase in severe accident consequences would have been on the order of 40% relative to the all LEU fuel case. However, Unit 3 was loaded with only 32 MOX fuel assemblies during refueling operations in the fall of 2010. There are a total of 548 fuel assemblies in the Unit 3 reactor core, so this represents less than 6% of the total fuel in the core. The MOX fuel had been operating in Unit 3 for less than five months; fuel assemblies are typically used for a total of 3-4 years in reactor cores before being replaced by new fuel and discharged to used fuel pools. Therefore, the MOX fuel would have built up relatively few radioactive fission products and actinides at the time of the earthquake and subsequent damage to the reactor core. With these facts in mind – the low percentage of MOX fuel in the core and the short operation time for the MOX fuel – it is evident that the presence of MOX fuel at Fukushima Daiichi Unit 3 has had no significant impact on the offsite releases of radioactivity following the earthquake and tsunami.

Other than the 32 MOX fuel assemblies in the Unit 3 reactor core, at the time of the earthquake there were no other MOX fuel assemblies (new or used) at the Fukushima Daiichi plant. The problems encountered at Fukushima Daiichi reactors stem from plant damage due to the tsunami that followed the earthquake, not the use of MOX fuel in Unit 3.

It is also important to put the public health consequences from the event in perspective. There have been no prompt fatalities as a result of radiation exposure. Moreover, prompt evacuation has minimized the exposure of the population to radiation. At this point, the consequences of the event are expected to be small. MOX fuel effects, if any, would be a small change to an already small number.

In conclusion, MOX fuel has been used safely in nuclear power reactors for decades. The presence of a limited number of MOX fuel assemblies at Fukushima Daiichi Unit 3 has not had a significant impact on the ability to cool the reactor or on any radioactive releases from the site due to damage from the earthquake and tsunami.

From:	Mensah, Tanya
To:	Tam, Peter; Kim, James; Manoly, Kamal; Thomas, George; Roberts, Darrell; Croteau, Rick; Lara, Julio; Vegel, Anton; Banic, Merrilee; Clark, Michael; Sexton, Kimberly; Hott, Christopher
Cc:	Markley, Michael; Khanna, Meena; Rosenberg, Stacey; Blount, Tom; Quay, Theodore; Russell, Andrea; Gulla, Gerald; Weil, Jenny; Burnell, Scott; Salgado, Nancy
Subject:	Status of the 2.206 Petitions Related to the Japan EQ
Date:	Monday, March 28, 2011 8:52:17 AM
Attachments:	ACTION G20110171.msg ACTION G20110191.msg FW Please immediately close older reactors for inspection.msg FW 2.206 Petition - New York Attorney General .msg

---

Good morning,

I am the 2.206 Coordinator and am contacting you each so that we can begin the process (as described in MD 8.11) of evaluating the petitions related to the Japanese earthquake. First, thank you all for your support. The following email outlines applicable guidance, our current inventory of 2.206 petitions related to the Japan EQ, the current petition review board (PRB) members and advisors, and next steps.

A. Guidance: Management Directive 8.11 (ML041770328).

B. The following 2.206 petitions (attached) have been assigned to NRR (related to the earthquake):

All of the following petitions request immediate actions (to shutdown plants). A PRB needs to meet internally as soon as possible to discuss if there is any basis to grant or deny requests to immediately shutdown plants. For efficiency, we can probably hold one meeting to discuss all of the requests for immediate action, instead of holding 3 separate internal PRB's.

- G20110171 (Thomas Saporito) – Peter Tam is the assigned petition manager; Tanya Mensah is the 2.206 Coordinator. Mr. Saporito has requested to address the PRB via phone before the initial recommendation is made. Please note that per the attached email (New York Attorney General) Mr. Saporito has submitted his 2.206 to the NY Attorney General, requesting that their office join in and participate with him as a petitioner. To my knowledge, no response has been provided to Mr. Saporito or to the NRC from the NY Attorney General.

- G20110191 (Michael Mulligan) – James Kim is the assigned petition manager; Lee Banic is the 2.206 Coordinator. Mr. Mulligan has requested to address the PRB via phone before the initial recommendation is made.

  G2011xxxx (Bill Linton – UK citizen concerned about all US nuclear reactors). DORL will assign a PM and we should move forward with contacting the petitioner.

Petition Review Board Members:

PRB Chairman: TBD (Tanya is working to identify a PRB Chairman)

NRR Technical Leads: Kamal Manoly and George Thomas. Per Meena Khana, EMCB will reach out to others for support in the structural/mechanical/civil area.

TTT/215

- Peter Tam is currently pursuing additional technical support (from other branches) within NRR. Some coordination may be necessary with other Offices (i.e., RES).

Regional Leads:

- Region 1 – Darrell Roberts (Tom Setzer supporting for VY 2.206's only)
- Region 2 – Rick Croteau
- Region 3 – Julio Lara
- Region 4 – Tony Vegel

Advisors for all 2.206 petitions related to the Japenese EQ:

- OGC: Mike Clark and Kimberly Sexton
- OE 2.206 Lead for Earthquake related petitions: Chris Hott (backup is Gerry Gulla).
- RIV OCA Contact : Jenny Weil (for awareness only).
- OPA: Scott Burnell (for awareness only)
- Michael Markley (for awareness of 2.206 petition status)

Next Steps:

Once we have all of the PRB members identified, the next steps include:

A. The PRB will convene to discuss the request for immediate action and determine if there is a basis which warrants the immediate shutdown of reactors (as requested by all of the attached petitions).
B. The petition managers will inform the petitioners of the PRB decision regarding the request for immediate action and schedule an opportunity for any petitioners to address the PRB by phone or in person before we meet internally to make the initial recommendation.
C. The PRB will meet internally to make the initial recommendation to accept or reject the petitions (per MD 8.11).

Please update your calendars in Outlook for April and May 2011 to faciliate the scheduling of several internal PRB meetings. Dial in numbers are provided for all meetings. If you WAH or are in the Region you will still be able to participate in any internal PRB discussions or meetings/calls with petitioners via teleconference. We hope to have the additional PRB members identified within the next 1- 2 days so that we can proceed with the next steps.

Thank you,

Tanya M. Mensah, Sr. Project Manager (PM)
2.206 Coordinator & Generic Communications Program Manager
Generic Communications and Power Uprate Branch (PGCB)
Division of Policy and Rulemaking (DPR)
Office of Nuclear Reactor Regulation (NRR)
W: 301-415-3610
Email: tanya.mensah@nrc.gov

Attachment ACTION G20110171_1.msg (2560 Bytes) cannot be converted to PDF format.

Attachment ACTION G20110191_1.msg (2560 Bytes) cannot be converted to PDF format.

Attachment FW Please immediately close older reactors for_1.msg (2560 Bytes) cannot be converted to PDF format.

Attachment FW 2.206 Petition - New York Attorney General.msg (2560 Bytes) cannot be converted to PDF format.

From: Brenner, Eliot
To: Burnell, Scott
Subject: RE: Peter Yanev??
Date: Monday, March 28, 2011 9:11:20 AM

Sure, go ahead so he knows this guy hasn't worked for us in years and as far as we know his connection with the plant is 30-plus years ago.

Also, note that WAPost had item inside today quoting gunderson as having 40 years of experience "overseeing" BWRs.

From: Burnell, Scott
Sent: Monday, March 28, 2011 9:08 AM
To: Brenner, Eliot
Subject: FW: Peter Yanev??

Is it worth it reaching out to Glanz for a clarification? The article strongly implied current NRC analysis of Fukushima.

From: Bensi, Michelle
Sent: Monday, March 28, 2011 8:43 AM
To: Munson, Clifford; Burnell, Scott; Ake, Jon
Cc: Brenner, Eliot; Hayden, Elizabeth
Subject: RE: Peter Yanev??

I quick search shows that P. Yanev did some reconnaissance work for EERI following the Miyagi-Ken-Oki, Japan Earthquake in 1978. I quickly skimmed the report and it appears it included a visit to the Fukushima NPP. Perhaps this is where the reference is coming from? I haven't had a chance to look at the report closely.

A quick ADAMS search shows the above reconnaissance report is referenced in NUREG/CR-3558. A few other references to P. Yanev are included in other documents in ADAMS.

-Shelby

From: Munson, Clifford
Sent: Monday, March 28, 2011 7:58 AM
To: Burnell, Scott; Ake, Jon; Bensi, Michelle
Cc: Brenner, Eliot; Hayden, Elizabeth
Subject: RE: Peter Yanev??

Not that I am aware of – I am checking further with Nilesh.

From: Burnell, Scott
Sent: Monday, March 28, 2011 7:57 AM
To: Munson, Clifford; Ake, Jon; Bensi, Michelle
Cc: Brenner, Eliot; Hayden, Elizabeth
Subject: RE: Peter Yanev??

OK, but more importantly – have we asked him to do ANYTHING on Fukushima??

From: Munson, Clifford
Sent: Monday, March 28, 2011 7:52 AM
To: Ake, Jon; Burnell, Scott; Bensi, Michelle
Cc: Brenner, Eliot; Hayden, Elizabeth
Subject: RE: Peter Yanev??

He is a structural engineer and works for Risk Solutions International. See link for more info.

Cliff

http://www.rsirisk.com/yanev.html

From: Ake, Jon
Sent: Sunday, March 27, 2011 8:17 PM
To: Burnell, Scott; Munson, Clifford; Bensi, Michelle
Cc: Brenner, Eliot; Hayden, Elizabeth
Subject: RE: Peter Yanev??

Scott, I have heard the name but I am not familiar with the guy. I'll check around.
Jon

From: Burnell, Scott
Sent: Sunday, March 27, 2011 8:54 AM
To: Munson, Clifford; Ake, Jon; Bensi, Michelle
Cc: Brenner, Eliot; Hayden, Elizabeth
Subject: Peter Yanev??
Importance: High

Cliff, Jon, Michelle;

This is from today's New York Times piece on the tsunami at Fukushima:
http://www.nytimes.com/2011/03/27/world/asia/27nuke.html?_r=1&hp=&pagewanted=all

"They had years to prepare at that point, after Kashiwazaki, and I am seeing the same thing at Fukushima," said Peter Yanev, an expert in seismic risk assessment based in California, who has studied Fukushima for the United States Nuclear Regulatory Commission and the Energy Department.

Do we know this guy? I know we've been very careful to avoid commenting on Fukushima, and certainly not in this way! I'm thinking Yanev overstated his credentials and the reporter didn't check with us.

I'm much less concerned with the article's slam against us for "not going far enough" with risk-based seismic analysis, that's nothing new.

Scott

From: Lee, Samuel
To: Burnell, Scott
Cc: Brenner, Eliot; Burton, William; Radlinski, Robert; Eul, Ryan; Lombard, Mark; Ader, Charles
Subject: RE: Today"s Federal Register Notice
Date: Monday, March 28, 2011 10:24:51 AM

Thanks for the heads up, Scott.
sam

Samuel S. Lee, Chief
Balance of Plant Branch 2
Division of Safety Systems & Risk Assessment
Office of New Reactors
U.S. Nuclear Regulatory Commission
301-415-0155
samuel.lee@nrc.gov

From: Burnell, Scott
Sent: Monday, March 28, 2011 10:23 AM
To: Lee, Samuel; Burton, William
Cc: Brenner, Eliot
Subject: Today's Federal Register Notice
Importance: High

Butch, Samuel;

Please be aware the ISG that showed up today on "**Review of Nuclear Power Plant Designs Using a Gas Turbine Driven Standby Emergency Alternating Current Power System"** could very well attract a lot of "is this related to Japan?" questions. Feel free to refer such questions to OPA if necessary, although of course the short answer is, "No, this guidance relates to new reactor applications and was in development long before the recent events in Japan." Thanks.

Scott

TTTT/217

From: World Nuclear News
To: Burnell, Scott
Subject: WNN Daily: Contaminated pools to be drained
Date: Monday, March 28, 2011 11:58:40 AM

View the WNN Daily in your browser.

28 March 2011

REGULATION & SAFETY: Contaminated pools to be drained
Pools of water with significant contamination are slowing down repair work in units 1, 2 and 3 at Fukushima Daiichi. It was in unit 3 that three workers recently suffered higher radiation exposure.

NEW NUCLEAR: Environmental approval for two new US reactors
There are no environmental reasons why two new reactors should not be built at the existing Vogtle nuclear power plant site in Georgia, according to the US nuclear safety regulators.

follow on Twitter | forward to a friend

Our mailing address is:
World Nuclear Association
Carlton House, 22a St James's Square
London, Westminster SW1Y4JH

Add us to your address book

unsubscribe from this list | update subscription preferences | view email in browser

TTTT/218

From: McIntyre, David
To: horie@ntvic.com; OPA Resource; Burnell, Scott; Couret, Ivonne
Subject: RE: //////////Japanese TV inquiry ///////////////
Date: Monday, March 28, 2011 12:50:24 PM

Hi Tomoko - we are not commenting on the Chairman's itinerary. However, on BACKGROUND and not for attribution I can point out that he is scheduled to testify on Capitol Hill on Wednesday. We will add your news organization to the list of those requesting to interview him.

David McIntyre
Office of Public Affairs
U.S. Nuclear Regulatory Commission
(301) 415-8200

-----Original Message-----
From: Tomoko Horie [mailto:horie@ntvic.com]
Sent: Monday, March 28, 2011 12:48 PM
To: OPA Resource; McIntyre, David; Burnell, Scott; Couret, Ivonne
Subject: //////////Japanese TV inquiry ///////////////

Hello,

My name is Tomoko of Nippon TV, Japanese TV network.
I understand that NRC chairman Jaczko is in Japan now.
Can you give us an info when he will be back from Japan?
We would also like to send interview request upon his return, could you advise to whom I should send an interview request?

Thank you very much.

Sincerely,

****
Tomoko Horie
Nippon TV, Washington, D.C. Bureau
Email:horie@ntvic.com
Tel: 202-210-8425

TTT/219

From: Burnell, Scott
To: Oesterle, Eric
Cc: Markley, Michael; Cullingford, Michael
Subject: RE: Action: Review proposed Q&A on German response
Date: Monday, March 28, 2011 1:09:00 PM
Attachments: US response compared to German response_srb.docx

---

My suggested edits in "Track Changes." Thanks.

From: Oesterle, Eric
Sent: Monday, March 28, 2011 12:43 PM
To: Burnell, Scott
Cc: Markley, Michael
Subject: Action: Review proposed Q&A on German response

Scott,

Please review proposed Q&A re: German response for approval by OPA so we can include in our database. We have coordinated with Mr. Cullingford in OIP. Thanks.

Eric

Eric R. Oesterle
NRR Communications Team
Senior Policy Analyst (NRO/DNRL)
U.S. Nuclear Regulatory Commission
301-415-1365

From: Oesterle, Eric
Sent: Monday, March 28, 2011 9:50 AM
To: Cullingford, Michael
Cc: Markley, Michael
Subject: Action: Review proposed Q&A on German response

Michael,

We are working on a proposed Q&A regarding the German government response to the situation in Japan. Please review the attached and provide any comments. We would like to send to OPA for their approval. Thanks!

Eric

Eric R. Oesterle
NRR Communications Team
Senior Policy Analyst (NRO/DNRL)
U.S. Nuclear Regulatory Commission
301-415-1365

TTTT/220

Attachment US response compared to German response_srb.docx (21847 Bytes) cannot be converted to PDF format.

From: Anderson, Brian
To: haeyoun@nytimes.com
Cc: Burnell, Scott
Subject: RE: New York Times graphic
Date: Monday, March 28, 2011 1:25:15 PM

Haeyoun –

Thank you for your question. You might find the NRC public website to be useful. It has information related to the design and operation of nuclear reactors (http://www.nrc.gov/reactors/power.html), including specific information related to Boiling Water Reactors (http://www.nrc.gov/reactors/bwrs.html).

The NRC requires all U.S. nuclear power plants to use formal, written operating procedures. This requirement applies to both normal and emergency situations. The circumstances under which emergency procedures might be used depend on a variety of factors. The use of a particular emergency procedure depends on the unique conditions that exist at the time. All U.S. nuclear power plants are staffed by reactor operators and supervisors who are licensed by the NRC. In order to receive a license from the NRC, an individual must complete extensive training and rigorous examinations, which includes the proper use of all emergency procedures. The NRC public website also includes information related to nuclear plant operator licensing (http://www.nrc.gov/reactors/operator-licensing/licensing-process.html).

If I can be of further help, please let me know.

Sincerely,
Brian Anderson

From: Park, Haeyoun [mailto:haeyoun@nytimes.com]
Sent: Friday, March 25, 2011 5:07 PM
To: OPA Resource
Subject: New York Times graphic

Hi,

I'm a graphics editor at The New York Times. I am trying to understand what some of the procedures are when there is a crisis like the one at the Daiichi plant in Japan. Is there an expert who I might be able to speak with to help me understand whether there is protocol, for example, on when a reactor should be vented, etc.?

Thanks much.

Haeyoun

Haeyoun Park
Graphics Editor
The New York Times
212.556.8051

TTT/221

haeyoun@nytimes.com

From:	Harrington, Holly
To:	Abraham, Susan; Bonaccorso, Amy; Campbell, Tison; Crouch, Nicole; Culp, Lisa; Deegan, George; Ellmers, Glenn; English, Kimberly; Francis, Karin; Goldberg, Francine; Groh, Deborah; Howard, Patrick; Janney, Margie; Jasinski, Robert; Landau, Mindy; Mroz (Sahm), Sara; Rakovan, Lance; Reiter, Stuart; Rihm, Roger; Sall, Basia; Schwartzman, Jennifer; Sentz, Brian; Sexton, Kimberly; Shropshire, Alan; Stahl, Eric; Steger (Tucci), Christine; Usilton, William; VandenBerghe, John; Weil, Jenny; Wellock, Thomas; Andrews, Tom; Barkley, Richard; Cain, Chuck; Hay, Michael; Heck, Jared; Tifft, Doug; Woodruff, Gena
Cc:	Brenner, Eliot; Burnell, Scott; Couret, Ivonne; Hayden, Elizabeth; McIntyre, David; Chandrathil, Prema; Dricks, Victor; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Screnci, Diane; Sheehan, Neil; Uselding, Lara
Subject:	Update on the blog
Date:	Monday, March 28, 2011 2:07:58 PM

We just put up the latest blog post "closing out" our laser focus on Japan and signaling a return to "regularly scheduled programming" on the blog. Eliot will continue to blog about Japan as events warrant, but I'm back to using my queue to populate the blog. I've got a healthy backlog of posts, but please keep them coming!

Statistics for the blog are very interesting. We've logged a total of 60,000 views in just under two months. Our highest views in a day was a bit more than 5,500. The events in Japan stirred a lot of interest in the blog. Our week of March 14 had average views per day of 3,219! The week of March 21 we were down, but still above our usual pace. That week we had an average of 788 views per day.

Thank you all for your continuing support of the blog!

Holly Harrington

TTT/222

From: Hackett, Edwin
To: Burnell, Scott
Cc: Couret, Ivonne
Subject: RE: Japan session Thursday?
Date: Monday, March 28, 2011 2:44:54 PM

Thanks Scott - will do!

From: Burnell, Scott
Sent: Monday, March 28, 2011 2:42 PM
To: Hackett, Edwin
Cc: Couret, Ivonne
Subject: RE: Japan session Thursday?

Ah, my misunderstanding on the week. Given the closed nature, I don't see a need to update the press release. Feel free to send any media calls over here, of course. Thanks.

-----Original Message-----
From: Hackett, Edwin
Sent: Monday, March 28, 2011 2:38 PM
To: Burnell, Scott
Subject: RE: Japan session Thursday?

Hi Scott,

The session will actually be on Thursday, April 7. We will have a brief "open" portion, followed by a "closed" session which will be closed due to the OUO info that will be presented by the staff. The meeting has been noticed in the FRN.

Ed

From: Burnell, Scott
Sent: Monday, March 28, 2011 12:47 PM
To: Hackett, Edwin
Subject: Japan session Thursday?

Ed;

At the NRO meeting this morning, Yoira mentioned this week's schedule was going to be tweaked to fit a "Japan events" session in. You're aware that could attract a lot of attention, yes? Can you notice it appropriately?

Scott

TTTT/223

From: Mensah, Tanya
To: Blount, Tom; Tam, Peter; Manoly, Kamal; Thomas, George; Miranda, Samuel; Smith, Edward; Roberts, Darrell; Christensen, Harold; Lara, Julio; Vegel, Anton; Clark, Michael; Sexton, Kimberly; Hott, Christopher; Gulla, Gerald; Weil, Jenny; Burnell, Scott; Markley, Michael; Rosenberg, Stacey; Banic, Merrilee; Kim, James; Markley, Michael; Farzam, Farhad
Subject: Meetings For 2.206 Petitions Related to the Japan EQ: G20110171 (Saporito); G20110191 (Mulligan); G2011xxxx(Linton)
Date: Monday, March 28, 2011 3:25:20 PM

Good afternoon,

All PRB members have been identified. I plan to proceed with setting up our initial meeting to discuss the request for immediate action. You can find a link to petitions related to the Japan EQ on the following Sharepoint link (under Tom Blount's name):
http://portal.nrc.gov/edo/nrr/dpr/Lists/2206%20Petition%20Assignments/2206%20Assigned%20Task%20List.aspx
Since there are three petitions related to the Japan EQ, and they all request immediate action, we will discuss if there is any basis in the petitions which would warrant that the NRC take immediate action to shut down US reactors.

Next Steps:

Since we have all of the PRB members identified, the next steps include:

A. The PRB will convene to discuss the request for immediate action and determine if there is a basis which warrants the immediate shutdown of US reactors. Per Outlook, the earliest availability to meet is on Monday, April 4, 2011, from 1:30 – 2 pm. I am sending a meeting request, w/ a dial in number for those in the Region and/or teleworking.
B. The petition managers will inform the petitioners of the PRB decision regarding the request for immediate action and schedule an opportunity for any petitioners to address the PRB by phone or in person before we meet internally to make the initial recommendation. I will propose a date/time that petition managers can offer Mr. Saporito and Mr. Mulligan via a separate email. If Mr. Linton wants to address the PRB, we will try to coordinate the time for a call with him. Since he resides in the UK, I am not sure how it with align with our schedules yet. I am still waiting for DORL to assign a PM for this petition.
C. The PRB will meet internally to make the initial recommendation to accept or reject the petitions (per MD 8.11). TBD (pending the date of the call w/ the petitioners)

Petition Review Board Members:

PRB Chairman: Tom Blount

2.206 Coordinators: Tanya Mensah & Merrilee Banic (NRR/DPR)

Petition Managers: Peter Tam – Petition Manager, LPL3-1; James Kim, LPL1-1

NRR Technical Leads: Kamal Manoly and George Thomas. Per Meena Khana, EMCB will reach out to others for support in the structural/mechanical/civil area.
Kamal Manoly & George Thomas (backup) for Peter's petition. George Thomas and Farhad Farzam (for Jim Kim's petition) – EMCB
Sam Miranda – SRXB
Edward Smith – SBPB

Regional Leads:

- Region 1 – Darrell Roberts (Tom Setzer supporting for VY 2.206's only)
- Region 2 – Harold (Chris) Christensen
- Region 3 – Julio Lara
- Region 4 – Tony Vegel

Advisors for all 2.206 petitions related to the Japenese EQ:

- OGC: Mike Clark and Kimberly Sexton
- OE 2.206 Lead for Earthquake related petitions: Chris Hott (backup is Gerry Gulla).
- RIV OCA Contact : Jenny Weil (for awareness only).
- OPA: Scott Burnell (for awareness only)
- Michael Markley (for awareness of 2.206 petition status)

TTTT/224

Thank you,

Tanya M. Mensah, Sr. Project Manager (PM)
2.206 Coordinator & Generic Communications Program Manager
Generic Communications and Power Uprate Branch (PGCB)
Division of Policy and Rulemaking (DPR)
Office of Nuclear Reactor Regulation (NRR)
W: 301-415-3610
Email: tanya.mensah@nrc.gov

From: McIntyre, David
To: Sheehan, Neil; Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott
Subject: RE: ANS Technical Brief: MOX Fuel & Fukushima
Date: Monday, March 28, 2011 3:31:01 PM

Should we send this to Steve Mufson of the Post? They keep reporting the MOX is a reason for concern at Unit 3.

-----Original Message-----
From: Sheehan, Neil
Sent: Monday, March 28, 2011 3:07 PM
To: Brenner, Eliot; Hayden, Elizabeth; Harrington, Holly; Burnell, Scott; McIntyre, David
Subject: FW: ANS Technical Brief: MOX Fuel & Fukushima

Speaking of MOX, this is helpful.

-----Original Message-----
From: Nimitz, Ronald
Sent: Monday, March 28, 2011 1:57 PM
To: Henderson, Pamela
Cc: Sheehan, Neil; Screnci, Diane
Subject: FW: ANS Technical Brief: MOX Fuel & Fukushima

Since one of the plants have some limited MOX fuel

From attached (On ANS public website)
".... With these facts in mind – the low percentage of MOX fuel in the core and the short operation time for the MOX fuel – it is evident that the presence of MOX fuel at Fukushima Daiichi Unit 3 has had no significant impact on the offsite releases of radioactivity following the earthquake and tsunami."

>>
The ANS Special Committee on Nuclear Non-Proliferation has prepared the attached Technical Brief on The Impact of Mixed Oxide Fuel Use on Accident Consequences at Fukushima Daiichi.

For additional Fukushima resources, visit the "Featured Content" box on the front page of the American Nuclear Society's website:

http://www.ans.org/

TTTT/225

From: Glanz, James
To: Burnell, Scott
Cc: Brenner, Eliot; Glanz, James
Subject: RE: Sunday"s article -- Peter Yanev
Date: Monday, March 28, 2011 4:25:30 PM

Scott,

Yanev went over to Fukushima in 1979 after its sensors recorded the first significant earthquake to strike a nuclear plant (at least when so many sensors were in place) for NRC and DOE, an experience that could not be more relevant for the piece, and there was nothing misleading about the attribution. His experience also happens to have been extremely revealing of how the Japanese nuclear establishment deals with unpleasant news. Scott, quite frankly, what surprises me is that you've got time for this sort of nanoscopic-level reading – and calling staff? – when you and NRC could not find the time to help with a piece that goes to the heart of the preparedness of the plant in Japan and has wider implications as well. Your approach just eludes me. I'm quite at a loss, so I'll leave it at that except to say I hope that the next time I call NRC with an information request, you will give more attention to the request before the piece comes out.

Jim Glanz
The New York Times

From: Burnell, Scott [mailto:Scott.Burnell@nrc.gov]
Sent: Monday, March 28, 2011 10:43 AM
To: Glanz, James
Cc: Brenner, Eliot
Subject: RE: Sunday's article -- Peter Yanev

Good Morning, Jim;

I saw your piece on the tsunami at Fukushima:
http://www.nytimes.com/2011/03/27/world/asia/27nuke.html?_r=1&hp=&pagewanted=all

This passage caught my eye:

"They had years to prepare at that point, after Kashiwazaki, and I am seeing the same thing at Fukushima," said Peter Yanev, an expert in seismic risk assessment based in California, who has studied Fukushima for the United States Nuclear Regulatory Commission and the Energy Department.

I checked with the staff and Yanev's work for us in regards to Fukushima predated the earthquake by years if not decades. Although there isn't any new work at this juncture, the phrasing (particularly the "I am seeing") can be taken to mean there is. Thanks.

Scott Burnell
Public Affairs Officer
Nuclear Regulatory Commission

TTT/226

Lee, Richard

From: Kelly, John E (NE) [JohnE.Kelly@Nuclear.Energy.Gov]
Sent: Tuesday, March 29, 2011 9:11 PM
To: Lee, Richard
Subject: RE: Questions and handouts

They're still using sprays in unit 4

From: Lee, Richard (NRC)
Sent: Tuesday, March 29, 2011 6:40 PM
To: Kelly, John E (NE); Binkley, Steve
Subject: Questions and handouts

Hi, John and Steve:

Please send me the questions/materials that you received from Japan that was mentioned in today conference call.

I have a hard time hearing when the other side spoke. Please let me know what he said about the means of providing cooling water to the 4 SFP units.

Thanks, Richard

TTTT/227

From: Brenner, Eliot
To: Burnell, Scott
Subject: FW: RESPONSE - News Article on SOARCA
Date: Tuesday, March 29, 2011 12:15:01 PM
Attachments: image001.png

---

fyi

From: Weber, Michael
Sent: Tuesday, March 29, 2011 12:14 PM
To: Sheron, Brian
Cc: Virgilio, Martin; Leeds, Eric; Johnson, Michael; Wiggins, Jim; Rihm, Roger; Milligan, Patricia; Wittick, Brian; Brenner, Eliot; Hayden, Elizabeth; Schmidt, Rebecca; Powell, Amy; Muessle, Mary; Andersen, James; Bowman, Gregory
Subject: RESPONSE - News Article on SOARCA

Thanks, Brian. I'll need to be prepared to respond to this concern in tomorrow morning's hearing and the Chairman will need to be prepared to respond at his hearings tomorrow. Please work with OEDO staff (Roger Rihm/Brian Wittick) to ensure that we develop a short-response by COB today that we can use tomorrow in case this comes up.

David Lochbaum reported at this morning's hearing that 93 of the U.S. plants only had a 4-hour coping capacity for SBO. The rest could cope for 8 hours. Is this valid? Does this taken into consideration the B5b mitigating measures? Was SBO considered among the scenarios that resulted in the U.S. decision to establish the nominal exposure pathway EPZ at 10 miles?

AP IMPACT: Long blackouts pose risk to US reactors

Associated Press

AP – Only Unit 2 is covered with white concrete housing, seen on left of an iron tower on right, at the stricken ...

By DINA CAPPIELLO, Associated Press Dina Cappiello, Associated Press – Tue Mar 29, 3:13 am ET

WASHINGTON – Long before the nuclear emergency in Japan, U.S. regulators knew that a power failure lasting for days at an American nuclear plant, whatever the cause, could lead to a radioactive leak. Even so, they have only required the nation's 104 nuclear reactors to develop plans for dealing with much shorter blackouts on the assumption that power would be restored quickly.

TTT/228

In one nightmare simulation presented by the Nuclear Regulatory Commission in 2009, it would take less than a day for radiation to escape from a reactor at a Pennsylvania nuclear power plant after an earthquake, flood or fire knocked out all electrical power and there was no way to keep the reactors cool after backup battery power ran out. That plant, the Peach Bottom Atomic Power Station outside Lancaster, has reactors of the same older make and model as those releasing radiation at Japan's Fukushima Dai-ichi plant, which is using other means to try to cool the reactors.

And like Fukushima Dai-ichi, the Peach Bottom plant has enough battery power on site to power emergency cooling systems for eight hours. In Japan, that wasn't enough time for power to be restored. According to the International Atomic Energy Agency and the Nuclear Energy Institute trade association, three of the six reactors at the plant still can't get power to operate the emergency cooling systems. Two were shut down at the time. In the sixth, the fuel was removed completely and put in the spent fuel pool when it was shut down for maintenance at the time of the disaster. A week after the March 11 earthquake, diesel generators started supplying power to two other two reactors, Units 5 and 6, the groups said.

The risk of a blackout leading to core damage, while extremely remote, exists at all U.S. nuclear power plants, and some are more susceptible than others, according to an Associated Press investigation. While regulators say they have confidence that measures adopted in the U.S. will prevent or significantly delay a core from melting and threatening a radioactive release, the events in Japan raise questions about whether U.S. power plants are as prepared as they could and should be.

"We didn't address a tsunami and an earthquake, but clearly we have known for some time that one of the weak links that makes accidents a little more likely is losing power," said Alan Kolaczkowski, a retired nuclear engineer who worked on a federal risk analysis of Peach Bottom released in 1990 and is familiar with the updated risk analysis.

Risk analyses conducted by the plants in 1991-94 and published by the commission in 2003 show that the chances of such an event striking a U.S. power plant are remote, even at the plant where the risk is the highest, the Beaver Valley Power Station in Pennsylvania.

These long odds are among the reasons why the United States since the late 1980s has only required nuclear power plants to cope with blackouts for four or eight hours, depending on the risk. That's about how much time batteries would last. After that, it is assumed that power would be restored. And so far, that's been the case.

Equipment put in place after the Sept. 11, 2001, terrorist attacks could buy more time. Otherwise, the reactor's radioactive core could begin to melt unless alternative cooling methods were employed. In Japan, the utility has tried using portable generators and dumped tons of seawater, among other things, on the reactors in an attempt to keep them cool.

A 2003 federal analysis looking at how to estimate the risk of containment failure said that should power be knocked out by an earthquake or tornado it "would be unlikely that power will be recovered in the time frame to prevent core meltdown."

In Japan, it was a one-two punch: first the earthquake, then the tsunami.

Tokyo Electric Power Co., the operator of the crippled plant, found other ways to cool the reactor core and so far avert a full-scale meltdown without electricity.

"Clearly the coping duration is an issue on the table now," said Biff Bradley, director of risk assessment for the Nuclear Energy Institute. "The industry and the Nuclear Regulatory Commission will have to go back in light of what we just observed and rethink station blackout duration."

David Lochbaum, a former plant engineer and nuclear safety director at the advocacy group Union of Concerned Scientists, put it another way: "Japan shows what happens when you play beat-the-clock and lose."

Lochbaum plans to use the Japan disaster to press lawmakers and the nuclear power industry

to do more when it comes to coping with prolonged blackouts, such as having temporary generators on site that can recharge batteries.

A complete loss of electrical power, generally speaking, poses a major problem for a nuclear power plant because the reactor core must be kept cool, and back-up cooling systems — mostly pumps that replenish the core with water_ require massive amounts of power to work. Without the electrical grid, or diesel generators, batteries can be used for a time, but they will not last long with the power demands. And when the batteries die, the systems that control and monitor the plant can also go dark, making it difficult to ascertain water levels and the condition of the core.

One variable not considered in the NRC risk assessments of severe blackouts was cooling water in spent fuel pools, where rods once used in the reactor are placed. With limited resources, the commission decided to focus its analysis on the reactor fuel, which has the potential to release more radiation.

An analysis of individual plant risks released in 2003 by the NRC shows that for 39 of the 104 nuclear reactors, the risk of core damage from a blackout was greater than 1 in 100,000. At 45 other plants the risk is greater than 1 in 1 million, the threshold NRC is using to determine which severe accidents should be evaluated in its latest analysis.

The Beaver Valley Power Station, Unit 1, in Pennsylvania had the greatest risk of core melt — 6.5 in 100,000, according to the analysis. But that risk may have been reduced in subsequent years as NRC regulations required plants to do more to cope with blackouts. Todd Schneider, a spokesman for FirstEnergy Nuclear Operating Co., which runs Beaver Creek, told the AP that batteries on site would last less than a week.

In 1988, eight years after labeling blackouts "an unresolved safety issue," the NRC required nuclear power plants to improve the reliability of their diesel generators, have more backup generators on site, and better train personnel to restore power. These steps would allow them to keep the core cool for four to eight hours if they lost all electrical power. By contrast, the newest generation of nuclear power plant, which is still awaiting approval, can last 72 hours without taking any action, and a minimum of seven days if water is supplied by other means to cooling pools.

Despite the added safety measures, a 1997 report found that blackouts — the loss of on-site and off-site electrical power — remained "a dominant contributor to the risk of core melt at some plants." The events of Sept. 11, 2001, further solidified that nuclear reactors might have to keep the core cool for a longer period without power. After 9/11, the commission issued regulations requiring that plants have portable power supplies for relief valves and be able to manually operate an emergency reactor cooling system when batteries go out.

The NRC says these steps, and others, have reduced the risk of core melt from station blackouts from the current fleet of nuclear plants.

For instance, preliminary results of the latest analysis of the risks to the Peach Bottom plant show that any release caused by a blackout there would be far less rapid and would release less radiation than previously thought, even without any actions being taken. With more time, people can be evacuated. The NRC says improved computer models, coupled with up-to-date information about the plant, resulted in the rosier outlook.

"When you simplify, you always err towards the worst possible circumstance," Scott Burnell, a spokesman for the Nuclear Regulatory Commission, said of the earlier studies. The latest work shows that "even in situations where everything is broken and you can't do anything else, these events take a long time to play out," he said. "Even when you get to releasing into environment, much less of it is released than actually thought."

Exelon Corp., the operator of the Peach Bottom plant, referred all detailed questions about its preparedness and the risk analysis back to the NRC. In a news release issued earlier this month, the company, which operates 10 nuclear power plants, said "all Exelon nuclear plants

are able to safely shut down and keep the fuel cooled even without electricity from the grid." Other people, looking at the crisis unfolding in Japan, aren't so sure.

In the worst-case scenario, the NRC's 1990 risk assessment predicted that a core melt at Peach Bottom could begin in one hour if electrical power on- and off-site were lost, the diesel generators — the main back-up source of power for the pumps that keep the core cool with water — failed to work and other mitigating steps weren't taken.

"It is not a question that those things are definitely effective in this kind of scenario," said Richard Denning, a professor of nuclear engineering at Ohio State University, referring to the steps NRC has taken to prevent incidents. Denning had done work as a contractor on severe accident analyses for the NRC since 1975. He retired from Battelle Memorial Institute in 1995.

"They certainly could have made all the difference in this particular case," he said, referring to Japan. "That's assuming you have stored these things in a place that would not have been swept away by tsunami."

From: Chang, Richard
Sent: Tuesday, March 29, 2011 7:35 AM
To: Schaperow, Jason; Tinkler, Charles; Santiago, Patricia; Ghosh, Tina; Armstrong, Kenneth
Subject: FYI- News Article on SOARCA

http://news.yahoo.com/s/ap/20110329/ap_on_re_us/us_us_japan_nuclear_blackouts_2

Richard Chang
Program Manager
RES/DSA/SPB
301-251-7980

Lee, Richard

From: Binkley, Steve [Steve.Binkley@science.doe.gov]
Sent: Wednesday, March 30, 2011 10:31 AM
To: Lee, Richard
Subject: RE: Requested information following Millstone Unit 1 Tour

Richard,

We had a terrible time being able to hear the people on the other end of the line. I'm not sure what the problem was. Because of the audio problems, the best summary of what was agreed to is in the one email from Omoto-san.

SteveB

From: Lee, Richard [mailto:Richard.Lee@nrc.gov]
Sent: Wednesday, March 30, 2011 10:29 AM
To: Binkley, Steve
Subject: RE: Requested information following Millstone Unit 1 Tour

Thx, Steve.
Richard

From: Binkley, Steve [mailto:Steve.Binkley@science.doe.gov]
Sent: Wednesday, March 30, 2011 10:19 AM
To: Lee, Richard
Subject: FW: Requested information following Millstone Unit 1 Tour

Richard,

We sent this this morning.

Steve

From: Binkley, Steve
Sent: Wednesday, March 30, 2011 7:30 AM
To: 'akira.omoto@cao.go.jp'
Cc: kawano.akira@tepco.co.jp; ichii-naoto@meti.go.jp; shunsuke.kondo@cao.go.jp; Lyons, Peter; Kelly, John E (NE); Aoki, Steven
Subject: FW: Requested information following Millstone Unit 1 Tour

Dear Omoto-san,

am forwarding the email below that we received from the operations personnel at the Dominion Millstone Nuclear Power Plant. This information contains specifications for water-level sensors and radiation-hardened cameras.

Steve Binkley
Office of Science
U.S. Department of Energy

From: Gary L Sturgeon [mailto:gary.l.sturgeon@dom.com]
Sent: Monday, March 28, 2011 6:22 PM

TTTT-229

To: Binkley, Steve; Kelly, John E (NE); peterson@nuc.berkeley.edu
Subject: Requested information following Millstone Unit 1 Tour

Gentleman,

I was a pleasure meeting you as part of your tour of Millstone Unit One. I hope we were able to provide you with the information that you need.

I have attached a pdf file that specifies the type of Spent Fuel Pool Water Level and Temperature Instrument that we installed here at Millstone Unit 1. We not experienced any operational issues with this instrument in the 11 years it has been in service. I can provide you with more detailed information at your request.

I have also included several companies that we have dealt with regarding radiation hardened cameras. Once the specific needs for these cameras is determine, these companies are an excellent resource and will design a specific camera system for the intended usage.

http://www.rosys.com/industries/nuclear-industry.htm

http://www.thermoscientific.com/ecomm/servlet/productsdetail?productId=11962732&groupType=PRODUCT&searchType=0&storeId=11152

Please let me know if I can be of any assistance. If there are specific photos that you may need of any Unit 1 equipment, please let me know so that I can provide that to you as well. I will reiterate the offer our Site VP made regarding the use of any and all Millstone Unit One resources.

Gary L. Sturgeon
Nuclear Technical Specialist III
Operations
Dominion Nuclear Connecticut, Inc.
(860) 437-2578

Lee, Richard

From: Binkley, Steve [Steve.Binkley@science.doe.gov]
Sent: Wednesday, March 30, 2011 6:38 PM
To: Lee, Richard
Subject: Re: Mar 30 S-1 Science Council

Richard,

Can you dial in again?

SteveB

From: Lee, Richard <Richard.Lee@nrc.gov>
To: Binkley, Steve
Sent: Wed Mar 30 16:53:07 2011
Subject: RE: Mar 30 S-1 Science Council

Steve:

I cannot open the document on DOE perspective on corrosion. Please send again. Sorry.
Richard

From: Binkley, Steve [mailto:Steve.Binkley@science.doe.gov]
Sent: Wednesday, March 30, 2011 4:45 PM
To: Adams, Ian; Aoki, Steven; Binkley, Steve; Bob Budnitz; Sheron, Brian; Brinkman, Bill; DAgostino, Thomas; Dick Garwin; Dick Garwin; Harold Denton; Harold McFarlane; Hurlbut, Brandon; JOE H. PAYER; John Grossenbacher; John Holdren; Kelly, John E (NE); Koonin, Steven; Lyons, Peter; Owens, Missy; Per Peterson; Phil Finck; Poneman, Daniel; Lee, Richard; Rolando Szilard; SCHU; Steve Fetter
Subject: FW: Mar 30 S-1 Science Council

Science Call briefing materials attached

From: Larzelere, Alex
Sent: Wednesday, March 30, 2011 4:42 PM
To: DL-NITsolutions
Subject: Mar 30 S-1 Science Council

Everybody,

Attached are the slides and document for discussion at today's Science Council meeting.

Regards,

Alex

TTT-230

From: LIA05 Hoc
Sent: Wednesday, March 30, 2011 4:13 PM
To: FOIA Response.hoc Resource
Subject: FW: USAID deployment

Bonnie Sheffield Dayshift 0700-1500
Ken Wierman Nightshift 1500-2300
FEMA REP Liaison
NRC Operations Center
(301) 816-5187

********FOR OFFICIAL USE ONLY********
DO NOT RELEASE OUTSIDE OF THE FEDERAL FAMILY

From: Tracy, Glenn
Sent: Tuesday, March 15, 2011 5:52 PM
To: PMT01 Hoc; LIA05 Hoc
Cc: Cohen, Miriam; Buchholz, Jeri; Evans, Michele; McDermott, Brian; Cadoux, Claude
Subject: FW: USAID deployment

PMT/LIA HOC Team Leaders (and Brian/Michele):

I understand from Mike Weber that you may already be addressing these matters. Please note the questions below, sent to Dr. Cadoux from an USAID colleague in support of USAID teams to Japan. They deal with baseline and intake. Request we provide NRC perspective and guidance on these answers to support US AID efforts. We, in NRC, may also need to consider such matters (such as up-to-date baselines) should NRC support extend beyond Tokyo and/or based on feedback from Chuck Casto. Request feedback to Dr. Cadoux and his USAID contact. Thank you, Glenn

---

From: Cadoux, Claude
Sent: Tuesday, March 15, 2011 5:00 PM
To: Tracy, Glenn
Subject: FW: USAID deployment

Glenn, I'll need a go-to person on queries I receive that have merit. Tom is State's medical director and he's always been there when I've needed ground truth health risk info for employees on overseas travel. I've been in contact with him re: access to KI in Japan (response earlier today: yes NRC employees and provided at embassy).

From: Yun, Thomas W [mailto:YunTW@state.gov]
Sent: Tuesday, March 15, 2011 4:23 PM
To: Cadoux, Claude
Subject: USAID deployment

Claude,

TTJT-231

Now I need a favor from you and tap into your expertise. USAID is sending a DART team to Japan and they are asking following questions – all in their words. I don't know what they will be doing and it seems unusual that they'd have to have a dosimeter and have a baseline level checked.

1. Baseline radiation levels for all responders must be recorded prior to deployment. who can do this for our employees and where does this information need to be officially recorded for future use?
2. What is the procedure for measuring radiation levels while deployed? – do we have dosimeters?
3. At what level of contamination will the responder be returned to the US?

These questions don't make sense to me as it takes a while to get the dosimeter read. Your advice would be greatly appreciated.

Tom

This email is UNCLASSIFIED.

From: Diane.JACKSON@oecd.org
Subject: NEA/CNRA task group on Fukushima Implications
Date: Friday, April 01, 2011 11:39:46 AM
Attachments: CNRA task group Fukushima.doc

Sent on behalf of Mike Weightman

Dear CNRA members –

As our Japanese colleagues continue to work tirelessly towards stabilising the Fukushima nuclear power plants, the safety of all nuclear power plants world-wide have come under close scrutiny. Regulatory bodies have been called upon to affirm the safety of its power plants, regardless of type. Earlier this week, the CNRA Chair and Vice-chairs discussed the issue to seek ways to combine efforts internationally for improved effectiveness and efficiency.

The CNRA is establishing a senior-level task group to coordinate the response of CNRA activities, exchange information on national activities, and look at generic implications of the event. The task group will be asked to identify areas that in-depth evaluation would benefit on an international level and can be undertaken by CNRA or CSNI working groups, or by new task groups to address gaps that are not within the scope of an existing working group. The group would be also chartered to identify short-term and long-term activities.

Countries generally with operating nuclear power plants are invited to nominate a senior-level delegate to the group. It would be expected that the group could commence work through the immediate sharing of national activities, and follow-on shortly with a group meeting. Task group delegates should be available for a meeting in Paris in early May. Please send your nominations to Javier.Reig@oecd.org and Diane.Jackson@oecd.org

Additionally, in order for all CNRA members stay informed of the task group and National activities, documents for exchange will be posted on a NEA password protected member website. It will be accessible to CNRA, CSNI, and working group members. If you could send your documents regarding your country's plans for plant reviews and the timelines to Diane Jackson, she will make sure they are posted on the website.

Best regards,
Mike Weightman, CNRA Chair

TTTT/232

From: Johnson, Michael
To: Flanders, Scott; Rosales-Cooper, Cindy
Subject: Re: International Requests for NRC to support Fukushima Lessons Learned activities
Date: Monday, April 04, 2011 12:27:32 PM

Ok. I agree.
From my blackberry.

From: Flanders, Scott
To: Rosales-Cooper, Cindy; Johnson, Michael
Sent: Mon Apr 04 12:26:33 2011
Subject: RE: International Requests for NRC to support Fukushima Lessons Learned activities

Mike, Nilesh's trip is not directly related to the Fukushima event. The IAEA and Japan were planning these meetings before the event. Since the event occurred, they do plan to discuss it, but the primary purpose of the meeting is broader guidance development for seismic analysis. With that said I suggest that we proceed with Nilesh's trip and discuss what process Marty would like us to use for future request related to the Fukushima event.

Scott

From: Rosales-Cooper, Cindy
Sent: Monday, April 04, 2011 10:24 AM
To: Johnson, Michael
Cc: Flanders, Scott
Subject: FW: International Requests for NRC to support Fukushima Lessons Learned activities

Mike,
This is the email I mentioned to you last Wednesday. IP is already asking if we've coordinated our trips with the EDO.

I know you probably haven't had a chance to discuss this with Marty yet. In the meantime should I proceed with our current process or should I coordinate our upcoming travel with Shawn Williams? Nilesh's meeting on seismic criteria at the IAEA is the only thing we have on the immediate horizon.

thanks

Cindy

From: Williams, Shawn
Sent: Wednesday, March 30, 2011 9:30 AM
To: ICWG
Subject: International Requests for NRC to support Fukushima Lessons Learned activities

All,
Marty sent me the below e-mail. Reading between the lines, it seems that he expects NRC Staff will be requested to participate in many international activities related to the Fukushima event. He would like to be aware of any international meetings NRC staff is attending concerning lessons learned from the Fukushima event. Since he and I get all the pre-trip notifications, I am thinking he

would like himself and OIP to be given an opportunity to provide input as to whether or not the NRC should support the request before we receives the pre-trip notification. He wrote "we will need to be selective." I think he wrote this meaning that we do not want to overstretch our resources or perform redundant activities on many similar activities.

Thus, please keep the EDO's office informed by either e-mailing me (and I will forward to Marty) or your OD can e-mail Marty and inform him of the request and a recommendation as to whether or not your office plans to support.

The only international activity related to the Fukushima Lessons Learned that I know of right now is:

(1) NEA task group evaluating the impact of the Fukushima event (highly recommended by many ODs to support)

Shawn

From: Virgilio, Martin
To: Williams, Shawn
Sent: Tue Mar 29 13:09:45 2011
Subject: Fw: ACTION:: CNRA conference call notes and actions

Shawn

Please work with IP to ensure we are aware of and participating in the appropriate international meetings concerning the Fukushima event. Note - we will need to be selective.

From: Leeds, Eric
To: Cheok, Michael
Cc: Ruland, William; Grobe, Jack; Boger, Bruce; Virgilio, Martin; Miller, Charles; Johnson, Michael; Astwood, Heather; Rosales-Cooper, Cindy; Cullingford, Michael
Sent: Tue Mar 29 07:47:54 2011
Subject: ACTION:: CNRA conference call notes and actions

Mike –

As Chair of the LT, please see the attachment for the assignment that we discussed yesterday. As we discussed, I'd like a member of the expanded LT to be a key contributor to the international NEA task group evaluating the impact of the Fukushima event. I'll look forward to receiving the names of potential candidates.

Thanks!

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Diane.JACKSON@oecd.org [mailto:Diane.JACKSON@oecd.org]
Sent: Tuesday, March 29, 2011 4:41 AM
To: greg.rzentkowski@cnsc-ccsn.gc.ca; jean-christophe.niel@asn.fr; nakamura-koichiro1@meti.go.jp; adeline.clos@asn.fr; Cullingford, Michael; Astwood, Heather; mike.weightman@hse.gsi.gov.uk; michael.herttrich@bmu.bund.de; ohmura-tetsuo@meti.go.jp; len.creswell@hse.gsi.gov.uk; marta.ziakova@ujd.gov.sk; Leeds, Eric; Johnson, Michael
Subject: CNRA conference call notes and actions

Dear CNRA bureau members –

The CNRA Chair and Vice-chairs held a conference call yesterday evening to discuss CNRA actions in response to the Fukushima events. Please find attached the notes and actions from the conference call. Comments are always welcome.

Best,

Diane Jackson, Nuclear Safety Specialist
Nuclear Safety Division, OECD Nuclear Energy Agency (NEA)
Tel.: +33 (0)1 45 24 10 55, Diane.Jackson@oecd.org

Murphy, Martin

From: Pasquale, Daniel
Sent: Tuesday, April 05, 2011 10:52 AM
To: Marc Tannenbaum (mtannenbaum@epri.com); Biggins, James; Campbell, Andy; Erlanger, Craig; Langan, Scott; Rasmussen, Richard; Shuaibi, Mohammed; Skeen, David; Tappert, John; Tschiltz, Michael; Arndt, Steven; Jackson, Terry; Jung, Ian; Santos, Daniel; Sydnor, Russell; Wilson, George; Atack, Sabrina; Beardsley, James; Benner, Eric; Brown, Michael; Campbell, Larry; Caverly, Jill; Coco, Paul; Costello, Ralph; Edmonds, Shavon; Fields, Leslie; Frye, Timothy; Hogan, Alfred; Huang, Eugene; Jacobson, Jeffrey; James, Lois; Keim, Andrea; Morell, Clyde; Murphy, Martin; Newman, Garrett; O'Donnell, John; Owens, Janice; Pannier, Stephen; Pasquale, Daniel; Peralta, Juan; Prescott, Paul; Ramsey, Jack; Rivers, Joseph; Ryder, Christopher; Scales, Kerby; Smith, Stacy; Thomas, Eric; Thorp, John; Wittick, Brian
Subject: FW: D.C. Counterfeit Microelectronics Working Group - More on Japan
Attachments: SiliconExpert - Japan Earthquake - Impacts on the Electronics Industry.pdf

Followup report

From: Schornstein, Sherri (USADC) [mailto:Sherri.Schornstein@usdoj.gov]
Sent: Tuesday, April 05, 2011 10:47 AM
Subject: D.C. Counterfeit Microelectronics Working Group - More on Japan

Dear Members:

Attached is a report prepared by SiliconExpert Technologies, which details the impact of the recent earthquake in Japan on the electronics industry. As you are probably well aware, the earthquake and tsunami resulted in a large number of human casualties and caused extensive damage to buildings and factories along Japan's eastern coast. The report provides an overview and listing of electronic component manufacturers affected and lists the impact on global electronic part supplies from leading component manufacturers and the respective product lines that have been affected.

Special thanks to Donald "Myrl" Leach, NAWCAD, for forwarding me this report.

Sherri

Sherri L. Schornstein

Assistant U.S. Attorney

Fraud & Public Corruption Section

U.S. Attorney's Office

for the District of Columbia

555 4th Street, NW, Washington, D.C. 20001

T: 202.252.7883 F: 202.252.7864 C: 202.730.6787

sherri.schornstein@usdoj.gov

TTTT-234

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

An overview and listing of electronic component manufacturers affected by the 2011 Tōhoku Japanese Earthquake that occurred on March 11th, 2011. The magnitude 9.0 earthquake and resulting tsunami resulted in large amounts of human casualties and caused extensive damage to buildings and factories along Japan's eastern coast.

This report lists the impact of the 2011 Tōhoku earthquake on global electronic part supplies from leading component manufacturers and the respective product lines that have been affected.

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
ALPS Electric	Fukushima Pref	Operation of the plants in the region is stopped, and we make the best effort for its restoration. There is no collapse of buildings, no fire, and no damage of the Tsunami. We are now investigating the details of the struck situation.	Unknown	Manufacturing Site	None	Not Reported	15-Mar-11
AVX	Yamagata	AVX sells and services, outside of Japan, certain products produced by Kyocera Corporation and in general those products have not been significantly impacted. Most of Kyocera's factories are located in the Southern Island which was farthest away from the natural disaster, A facility located in Northern Japan that produces crystals for oscillator products is the only one to sustain any damage. This factory [Yamagata], has limited power at this time and Kyocera is assessing the options to restart operations as soon as possible. Current supply of materials from Japan at this time appears not to be an immediate issue to AVX.	Unknown	Manufacturing Site	Low	Crystals for oscillator products	15-Mar-11
Citizen Electronics	Yamanashi > Head office	Account for about 70% of domestic production.	Restarted	Manufacturing Site	Partial	Not Reported	17-Mar-11
Citizen Electronics	Yamanashi > Citizen Electronics Timel Co., Ltd.	Account for about 70% of domestic production.	Restarted	Manufacturing Site	Partial	Not Reported	17-Mar-11
Citizen Electronics	Citizen Electronics Funehiki Co., Ltd. > Funehiki-cho	The Government has issued instructions that residents staying in the area 20 km to 30 km radius from the station shall stay indoors. Citizen Electronics Funehiki is located outside the area, but its employees have been staying home according to our own judgment and the operation of Citizen Electronics Funehiki has been suspended since 10 am on March 15 restarted transportation by road from Yamanashi to the Funehiki factory on March 14. It took two times as long as usual but the system is slowly returning to normal. In addition, functions of Narita Airport such as customs clearance have been restored. However, shipping of some parts and materials, especially from suppliers in eastern Japan, has been interrupted. We are striving to obtain these parts and materials through other routes.	Restarted	Manufacturing Site	Partial	Not Reported	17-Mar-11
Citizen Electronics	Citizen Electronics Funehiki Co., Ltd. > Tamura-shi	Partly damaged	Restarted	Manufacturing Site	Partial	Not Reported	17-Mar-11
Citizen Electronics	Citizen Electronics Funehiki Co., Ltd. > Fukushima-ken	Partly damaged	Restarted	Manufacturing Site	Partial	Not Reported	17-Mar-11
COSEL	Cosel Company > Toyama	Assessing any potential delay in supply as well and transportaion delay which may be slight	Unknown	Manufacturing Site	Unknown	Not Reported	20-Mar-11
Epson Electronics America	Epson Toyocom Corporation Fukushima Plant (Minami-Soma, Fukushima Prefecture)	Epson suffered damage at Epson Toyocom Corporation's Fukushima Plant and also to Group companies in the Tohoku areas, Epson is also checking the extent of damages to our subcontractors and materials factories in the areas that are affected	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Epson Electronics America	Epson Atmix Corporation (Hachinohe, Aomori Prefecture)	Epson suffered damage at Epson Toyocom Corporation's Fukushima Plant and also to Group companies in the Tohoku areas, Epson is also checking the extent of damages to our subcontractors and materials factories in the areas that are affected	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Epson Electronics America	Akita Epson Corporation (Yuzawa, Akita Prefecture)	Epson suffered damage at Epson Toyocom Corporation's Fukushima Plant and also to Group companies in the Tohoku areas, Epson is also checking the extent of damages to our subcontractors and materials factories in the areas that are affected	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Epson Electronics America	Seiko Epson Corporation Sakata Plant and Tohoku Epson Corporation (Sakata, Yamagata Prefecture)	Epson suffered damage at Epson Toyocom Corporation's Fukushima Plant and also to Group companies in the Tohoku areas, Epson is also checking the extent of damages to our subcontractors and materials factories in the areas that are affected	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
FCI	FCI Japan KK Headquarters - Tokyo, Japan	These force majeure circumstances are having a dramatic impact on life and business in this region which could prevent us from manufacturing/shipping products from Japan. FCI is currently assessing the impact on the supply chain and will be contacting our customers and distribution partners as soon as additional information on any specific supply interruptions is available.	None	Sales, Engineering and Business Office	None	Not Reported	15-Mar-11
FCI	FCI Japan KK Ishioka Site - Ishioka, Japan (100 km northeast of Tokyo)	These force majeure circumstances are having a dramatic impact on life and business in this region which could prevent us from manufacturing/shipping products from Japan. FCI is currently assessing the impact on the supply chain and will be contacting our customers and distribution partners as soon as additional information on any specific supply interruptions is available.	Few days	Manufacturing Site	Partial	FFC/FPC, Mobile Phone connectors, BTFM/BTFW/BTEM and PHEC/PHEN	15-Mar-11
Freescale Semiconductor	Sendai wafer fabrication facility	Within the next week, we hope to be able to provide more clarity regarding factory damage. In the meantime, we are aggressively working to minimize the effect on our customers' operations and executing on a number of contingency options to address supply gaps. These measures include: a) Use of substantial inventories already built in anticipation of the previously announced Sendai factory closure; b) Partnering with customers to substitute compatible, alternate devices where viable, and; c) Production ramp of products already qualified, as well as the acceleration of ongoing qualification and transition efforts with customers for products not yet qualified, in alternate fabrication facilities in Oak Hill, Texas (USA); Chandler, Arizona (USA); or foundry partners where capacity exists and allows.	Alternatives found	Wafer fab	Unknown	Flash memory embedded microcontrollers, analog/digital embedded microcontrollers, pressure sensors and acceleration sensors.	17-Mar-11
Fujitsu	Iwate Prefecture > Fujitsu Semiconductor Limited - Iwate plant (Kanegasaki-cho, Isawa-gun)	Damages to buildings and production equipment including the ceilings, walls, and drain pipes of the Fujitsu Group's plants and offices have affected business operations. Furthermore, planned rotational electricity blackouts have affected operations of Fujitsu Group companies based in the Kanto region of Japan	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Fujitsu	Miyagi Prefecture > Fujitsu Integrated Microtechnology Ltd. - Miyagi plant (Murata-cho, Shibata-gun)	Damages to buildings and production equipment including the ceilings, walls, and drain pipes of the Fujitsu Group's plants and offices have affected business operations. Furthermore, planned rotational electricity blackouts have affected operations of Fujitsu Group companies based in the Kanto region of Japan	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Fujitsu	Fukushima Prefecture > Fujitsu Semiconductor Limited - Aizu-Wakamatsu plant (Aizu-Wakamatsu-shi)	Damages to buildings and production equipment including the ceilings, walls, and drain pipes of the Fujitsu Group's plants and offices have affected business operations. Furthermore, planned rotational electricity blackouts have affected operations of Fujitsu Group companies based in the Kanto region of Japan	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Fujitsu	Fukushima Prefecture > Fujitsu Semiconductor Technology, Inc. - Main plant (Aizu-Wakamatsu-shi)	Damages to buildings and production equipment including the ceilings, walls, and drain pipes of the Fujitsu Group's plants and offices have affected business operations. Furthermore, planned rotational electricity blackouts have affected operations of Fujitsu Group companies based in the Kanto region of Japan	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Fujitsu	Fukushima Prefecture > Fujitsu Integrated Microtechnology Ltd. - Main plant (Aizu-Wakamatsu-shi)	Damages to buildings and production equipment including the ceilings, walls, and drain pipes of the Fujitsu Group's plants and offices have affected business operations. Furthermore, planned rotational electricity blackouts have affected operations of Fujitsu Group companies based in the Kanto region of Japan	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Fujitsu	Fukushima Prefecture > Fujitsu Isotec Limited - Main plant (Date-shi)	Damages to buildings and production equipment including the ceilings, walls, and drain pipes of the Fujitsu Group's plants and offices have affected business operations. Furthermore, planned rotational electricity blackouts have affected operations of Fujitsu Group companies based in the Kanto region of Japan	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Hirose Electric	Tohoku Disaster	At 3 hirose factories located in tohoku area, damage to bulidings or production equipment, by the earthquake or tsunami is small and all factories are still in operation since Mar 14th. As soon as electric power , telecommunication and distribution are rechecked , production will be fully restarted	None	Manufacturing Site	Partial	Not Reported	14-Mar-11
Hitachi	Tokyo	Toshiba Corporation today announced that it will cooperate with Tokyo Electric Power Company's (TEPCO) request to cut electricity consumption by operating only those of its businesses related to provision of essential services required for social and economic activities. This decision extends to Toshiba Group companies and covers production facilities and business premises in areas where TEPCO plans controlled power outages. In line with this decision, Toshiba has closed for today all of its premises in those areas with power outages, other than its headquarters and those business operations related to essential services.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
Japan Aviation Electronics Industry	Hirosaki Aviation Electronics (HAE) in Hirosaki City, Aomori Prefecture	We had been preparing for production by inspecting production equipment. Although the power supply currently provided by Tohoku Electric Power is not sufficient for normal production level	Restarted	Manufacturing Site	None	Not Reported	16-Mar-11
Kyocera	KYOCERA Corporation, Fukushima Tanagura Plant (Higashi-shirakawa, Fukushima Pref.)	The impact of the earthquake and subsequent planned rolling power outages on business performance is currently being investigated along with other factors including the status of business partners and the effects on production depending on the implementation of planned rolling power outages.	Restarted	Manufacturing Site	Partial	PHS handsets and base stations	17-Mar-11
Kyocera	KYOCERA Chemical Corporation, Koriyama Plant (Koriyama City, Fukushima Pref.)	The impact of the earthquake and subsequent planned rolling power outages on business performance is currently being investigated along with other factors including the status of business partners and the effects on production depending on the implementation of planned rolling power outages.	Unknown	Manufacturing Site	Partial	Organic materials	17-Mar-11
Kyocera	KYOCERA KINSEKI Yamagata Corporation (Higashine City, Yamagata Pref.)	The impact of the earthquake and subsequent planned rolling power outages on business performance is currently being investigated along with other factors including the status of business partners and the effects on production depending on the implementation of planned rolling power outages.	Unknown	Manufacturing Site	Partial	Quartz crystal components	17-Mar-11
Kyocera	KYOCERA Chemical Corporation, Kawaguchi Plant (Kawaguchi City, Saitama Pref.)	The impact of the earthquake and subsequent planned rolling power outages on business performance is currently being investigated along with other factors including the status of business partners and the effects on production depending on the implementation of planned rolling power outages.	Restarted	Manufacturing Site	Partial	Organic materials	17-Mar-11
Kyocera	KYOCERA Chemical Corporation, Kawasaki Plant (Kawasaki City, Kanagawa Pref.)	The impact of the earthquake and subsequent planned rolling power outages on business performance is currently being investigated along with other factors including the status of business partners and the effects on production depending on the implementation of planned rolling power outages.	Restarted	Manufacturing Site	Partial	Organic materials	17-Mar-11
Kyocera	KYOCERA Chemical Corporation, Moka Plant (Moka City, Tochigi Pref.)	The impact of the earthquake and subsequent planned rolling power outages on business performance is currently being investigated along with other factors including the status of business partners and the effects on production depending on the implementation of planned rolling power outages.	Restarted	Manufacturing Site	Partial	Organic materials	17-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Lineage Power		Early feedback from products come form Japanese suppliers indicates that electricity disruptions and shift staffing shortages have reduced normal output capacity; and a few primary manufacturing facilities were damaged, While shipments of these electronics components to Lineage Power may slow down during the next 90 days, we are taking aggressive steps to procure as many of these electronics components as possible from global distribution sources while prioritizing existing orders with our Japanese suppliers	None	Manufacturing Site	Low	Capacitor, diode, relay, resistor and transistor components used in Lineage Power telecom energy systems, AC-DC power supplies and DC-DC board mounted power products	18-Mar-11
Maxim Integrated Products	Seiko Epson > Sakata	Maxim Integrated Products, Inc. reported no structural damage to its partner facility, Seiko Epson, as a result of the catastrophic earthquake in Japan. However, a regional power outage has affected production at the facility located in Sakata, Japan., The Seiko Epson facility provided approximately 15 percent of Maxim's wafer starts last quarter. All products manufactured at Seiko Epson can be manufactured at other facilities, which have sufficient excess capacity. Therefore, Maxim has already begun shifting production from the Japan facility to its internal fabs and other foundry partners	None	Wafer fab	None	Not Reported	17-Mar-11
Mitsubishi Electric	Sendai, Miyagi Prefecture	Mitsubishi Electric Corporation announced today that its two major business operations in the Tohoku region have sustained damage as a result of the Tohoku Pacific Earthquake, The impact of the earthquake on the Mitsubishi Electric Group and its financial performance is currently being evaluated and remains to be determined. The company intends to make an announcement promptly should it foresee significant impact to its business	Unknown	Sales Offices	Partial	Not Reported	15-Mar-11
Mitsubishi Electric	Koriyama Factory, located in Koriyama, Fukushima Prefecture	Mitsubishi Electric Corporation announced today that its two major business operations in the Tohoku region have sustained damage as a result of the Tohoku Pacific Earthquake, The impact of the earthquake on the Mitsubishi Electric Group and its financial performance is currently being evaluated and remains to be determined. The company intends to make an announcement promptly should it foresee significant impact to its business	Few days	Manufacturing Site	Partial	CCTVs and communications equipment	15-Mar-11
Murata Manufacturing	Tome Murata Manufacturing Co., Ltd (11-1, Nakae 4-chome, Sanuma, Hasama-cho, Tome-shi, Miyagi 987-0511 Japan)	At present, we are confirming the details of the disaster, but we have noticed damage to some of our buildings and equipment. As of the afternoon, 17th March, electricity has been restored, and we are making progress on preparations for restoring the buildings and equipment. We will inform you of the restoration status of other lifelines as well as the resumption of production schedule once it is confirmed	Unknown	Manufacturing Site	Partial	Wire Wound Type EMI Suppression Filters, Coils	18-Mar-11
Murata Manufacturing	Kanazawa Murata Manufacturing Co., Ltd. Sendai Plant (2-6, Akedori 3-chome, Izumi-ku, Sendai-shi, Miyagi 981-3206 Japan)	There was no significant damage to our buildings or equipment, but the lifelines of electricity (production use), water and gas are still unavailable. We will inform you of the restoration schedule once it is confirmed. If the restoration takes longer than expected, the plan is for products to be sent from the Kanazawa Murata Plant instead	Unknown	Manufacturing Site	Low	Piezoelectric Products and SAW filters	18-Mar-11
Murata Manufacturing	Murata Manufacturing Co., Ltd. Oyama Plant (1-480, Inuzuka, Oyama-shi, Tochigi 323-8678 Japan)	We are making preparations to restart operations now, but if power cannot be obtained due to planned blackouts or other reasons, it will be some time before the restoration can be completed. We will inform you of the projected restoration schedule once it is confirmed.	Few days	Manufacturing Site	Low	Polymer Capacitors	18-Mar-11
NEC TOKIN America	NEC TOKIN America > Toyama	Production: Under standard Operation Shipment: Keeping standard shipment, can not chip only to northern part of Japan due to traffic conditions. Materials: They have keeping all materials for march and April production , also they are communicating for material supply after may production	None	Manufacturing Site	None	Not Reported	17-Mar-11
NEC TOKIN America	NEC TOKIN America > Thailand	Production: Under standard Operation Shipment: Keeping standard shipment, can not chip only to northern part of Japan due to traffic conditions. Materials: They have keeping all materials for march and April production , also they are communicating for material supply after may production	None	Manufacturing Site	None	Not Reported	17-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
New Japan Radio		There appears to be little damage to the factories of New Japan Radio Co., Ltd. and our group companies, but the effects of this earthquake on the factories are currently under investigations	Unknown	Manufacturing Site	Partial	Not Reported	14-Mar-11
NIC Components	NIC Components Corp	Any impact on component production due to power blackouts has yet to be determined	Unknown	Manufacturing Site	Unknown	Component production	18-Mar-11
Nichicon	NICHICON (IWATE) CORPORATION > Iwate prefecture	All the production equipment have been completely inspected and will resume operation	Restarted	Manufacturing Site	Unknown	Not Reported	14-Mar-11
NIDEC Copal Electronics	Tohoku Region Pacific Ocean Coast > Tajiri Plant Located in Osaki City, Miyagi Prefecture	At this point, no structural damage has been found. However, some of the equipments were damaged. Vital infrastructure have not been restored which has forced us to temporarily shut down the facility. We will continue to assess the damages to the building and to the equipments. As soon as the infrastructure are restored, we will work toward resuming operation as quickly as possible.	Unknown	Manufacturing Site	Partial	Not Reported	20-Mar-11
NIDEC Copal Electronics	Tohoku Region Pacific Ocean Coast > Sano Plant Located in Sano City, Tochigi Prefecture	We resumed operation as no major damage was found to the building and damages to the manufacturing equipments were minimal. However, due to the sever power shortage, electric company is planning rolling blackouts. Operation may stop from time to time, which will affect our production.	Unknown	Manufacturing Site	Low	Not Reported	20-Mar-11
Oki Semiconductor	OKI Semiconductor Miyagi Co., Ltd.	Water and electric power have yet to be fully restored at this time and preparations are underway to restart operations as soon as the infrastructure is repaired. In addition, a substitute production system is being formulated at the ROHM Kyoto main factory and ROHM Hamamatsu Co., Ltd. Efforts are being made to maintain a supply system that will fill customer orders.	Unknown	Manufacturing Site	Low	LSI	20-Mar-11
Oki Semiconductor	ROHM Tsukuba Co., Ltd.	Although the water for factory operations has yet to be restored, a partial operations has started at March 19. In addition, thanks to the formulation of a substitute production system at ROHM Wako Devices Co., Ltd. and ROHM Apollo Devices Co., Ltd., a supply system is maintained to fulfill customer orders.	Restarted	Manufacturing Site	Low	Transistors, diodes	20-Mar-11
ON Semiconductor	Aizu	ON Semiconductor Corporation today announced the impact to operations in Japan from last Friday's 9.0 magnitude earthquake. The company has confirmed that there have been no on-site injuries to the SANYO Semiconductor division or other ON Semiconductor employees in Japan as a result of the earthquake and tsunami,The company currently anticipates infrastructure services will improve towards the end of the first quarter. The company is identifying options to shift production to other facilities to support supply continuity for customers	Unknown	Wafer fab	Low	Not Reported	20-Mar-11
ON Semiconductor	Niigata	ON Semiconductor Corporation today announced the impact to operations in Japan from last Friday's 9.0 magnitude earthquake. The company has confirmed that there have been no on-site injuries to the SANYO Semiconductor division or other ON Semiconductor employees in Japan as a result of the earthquake and tsunami,The company currently anticipates infrastructure services will improve towards the end of the first quarter. The company is identifying options to shift production to other facilities to support supply continuity for customers	None	Wafer fab	Low	Not Reported	20-Mar-11
ON Semiconductor	Gifu ,leased from SANYO Electric Co. Ltd	ON Semiconductor Corporation today announced the impact to operations in Japan from last Friday's 9.0 magnitude earthquake. The company has confirmed that there have been no on-site injuries to the SANYO Semiconductor division or other ON Semiconductor employees in Japan as a result of the earthquake and tsunami,The company currently anticipates infrastructure services will improve towards the end of the first quarter. The company is identifying options to shift production to other facilities to support supply continuity for customers	None	Wafer fab	Low	Not Reported	20-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
ON Semiconductor	Gunma ,leased from SANYO Electric Co. Ltd	ON Semiconductor Corporation today announced the impact to operations in Japan from last Friday's 9.0 magnitude earthquake. The company has confirmed that there have been no on-site injuries to the SANYO Semiconductor division or other ON Semiconductor employees in Japan as a result of the earthquake and tsunami,The company currently anticipates infrastructure services will improve towards the end of the first quarter. The company is identifying options to shift production to other facilities to support supply continuity for customers	Unknown	Wafer fab	Low	Not Reported	20-Mar-11
ON Semiconductor	Kasukawa ,leased from SANYO Electric Co. Ltd	ON Semiconductor Corporation today announced the impact to operations in Japan from last Friday's 9.0 magnitude earthquake. The company has confirmed that there have been no on-site injuries to the SANYO Semiconductor division or other ON Semiconductor employees in Japan as a result of the earthquake and tsunami,The company currently anticipates infrastructure services will improve towards the end of the first quarter. The company is identifying options to shift production to other facilities to support supply continuity for customers	None	Wafer fab	Low	Not Reported	20-Mar-11
ON Semiconductor	Hanyu	ON Semiconductor Corporation today announced the impact to operations in Japan from last Friday's 9.0 magnitude earthquake. The company has confirmed that there have been no on-site injuries to the SANYO Semiconductor division or other ON Semiconductor employees in Japan as a result of the earthquake and tsunami,The company currently anticipates infrastructure services will improve towards the end of the first quarter. The company is identifying options to shift production to other facilities to support supply continuity for customers	None	Wafer fab	Low	Not Reported	20-Mar-11
Optrex	Hiroshima	Optrex was formed in 1976 by Asahi Glass and Mitsubishi Electric. Headquartered in Tokyo, Japan, Optrex has followed an aggressive policy of growth and expansion and now serves customers through an extensive in-field network of applications engineers and more than 100 sales and distribution offices throughout the world, including Optrex America Inc. in Plymouth, MI, USA.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
Optrex	Kumamoto	Optrex was formed in 1976 by Asahi Glass and Mitsubishi Electric. Headquartered in Tokyo, Japan, Optrex has followed an aggressive policy of growth and expansion and now serves customers through an extensive in-field network of applications engineers and more than 100 sales and distribution offices throughout the world, including Optrex America Inc. in Plymouth, MI, USA.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
Optrex	Tokyo	Optrex was formed in 1976 by Asahi Glass and Mitsubishi Electric. Headquartered in Tokyo, Japan, Optrex has followed an aggressive policy of growth and expansion and now serves customers through an extensive in-field network of applications engineers and more than 100 sales and distribution offices throughout the world, including Optrex America Inc. in Plymouth, MI, USA.	Unknown	Sales Offices	None	Not Reported	14-Mar-11
Panasonic	AVC Networks Company Fukushima Factory	While placing priority on the safety of Panasonic's employees and in cooperation with the planned power outages scheduled by Tokyo Electric Power Co. (TEPCO) and Tohoku Electric Power Co., Panasonic is preparing to resume production at factories in the affected region while confirming the supply of electricity, gas and water, as well as the situation of logistics and supplies	Unknown	Manufacturing Site	Unknown	Digital cameras	17-Mar-11
Panasonic	AVC Networks Company Sendai Factory	While placing priority on the safety of Panasonic's employees and in cooperation with the planned power outages scheduled by Tokyo Electric Power Co. (TEPCO) and Tohoku Electric Power Co., Panasonic is preparing to resume production at factories in the affected region while confirming the supply of electricity, gas and water, as well as the situation of logistics and supplies	Unknown	Manufacturing Site	Unknown	Optical pickups	17-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Panasonic	Panasonic Electric Works Koriyama Co., Ltd.	While placing priority on the safety of Panasonic's employees and in cooperation with the planned power outages scheduled by Tokyo Electric Power Co. (TEPCO) and Tohoku Electric Power Co., Panasonic is preparing to resume production at factories in the affected region while confirming the supply of electricity, gas and water, as well as the situation of logistics and supplies	Unknown	Manufacturing Site	Unknown	Electronic materials	17-Mar-11
Panasonic	SANYO Electric Co., Ltd. Tokyo Plant located in Gunma	While placing priority on the safety of Panasonic's employees and in cooperation with the planned power outages scheduled by Tokyo Electric Power Co. (TEPCO) and Tohoku Electric Power Co., Panasonic is preparing to resume production at factories in the affected region while confirming the supply of electricity, gas and water, as well as the situation of logistics and supplies	Unknown	Manufacturing Site	Unknown	Commercial air conditioners, showcases etc..	17-Mar-11
Renesas Electronics	Renesas Northern Japan Semiconductor, Inc., Tsugaru Factory (Front-end line) ,Goshogawara-shi, Aomori City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	Partial	Not Reported	15-Mar-11
Renesas Electronics	Renesas Yamagata Semiconductor Co., Ltd., Tsuruoka Factory (Front-end line) ,Tsuruoka-shi, Yamagata City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	None	Not Reported	15-Mar-11
Renesas Electronics	Renesas Electronics Corporation, Naka Factory (Front-end line) ,Hitachinaka-shi, Ibaraki City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Unknown	Manufacturing Site	High	Not Reported	15-Mar-11
Renesas Electronics	Renesas Electronics Corporation, Takasaki Factory (Front-end line) ,Takasaki-shi, Gunma City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	Partial	Not Reported	15-Mar-11
Renesas Electronics	Renesas Electronics Corporation, Kofu Factory (Front-end line) ,Kai-shi, Yamanashi City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	Partial	Not Reported	15-Mar-11
Renesas Electronics	Renesas High Components, Inc. (Back-end line) ,Tsuruta-cho, Aomori City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	None	Not Reported	15-Mar-11
Renesas Electronics	Renesas Northern Japan Semiconductor, Inc., Yonezawa Factory (Back-end line) ,Yonezawa-shi, Yamagata City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	Partial	Not Reported	15-Mar-11
Renesas Electronics	Renesas Eastern Japan Semiconductor, Tokyo Device Division (Back-end line), Oume-shi, Tokyo City	Renesas Electronics Group's factories that are currently shutting production due to the earthquake (as of March 15, 2011, 12:00 p.m)	Restarted	Manufacturing Site	Partial	Not Reported	18-Mar-11
RICOH Semiconductor	Ricoh Optical Industries Co., Ltd.>> Hanamaki, Iwate	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Unknown	Optical products, projectors, etc	18-Mar-11
RICOH Semiconductor	Hazama Ricoh, Inc. >>Tome, Miyagi	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Unknown	Product parts	18-Mar-11
RICOH Semiconductor	Tohoku Ricoh Co., Ltd. >>Shibata-gun,Miyagi	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Unknown	MFPs, printers, toner	18-Mar-11
RICOH Semiconductor	Ricoh Printing Systems, Ltd. >>Hitachinaka, Ibarak	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Partial	Production printing products	18-Mar-11
RICOH Semiconductor	Ricoh Unitechno Co., Ltd. > Yashio, Saitama	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Partial	High capacity MFPs, refurbishing, recycling	18-Mar-11
RICOH Semiconductor	Atsugi Plant > Atsugi,Kanagawa	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Unknown	MFP and printer parts	18-Mar-11
RICOH Semiconductor	Gotemba Plant > Gotemba,Shizuoka	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Unknown	MFPs and printers	18-Mar-11
RICOH Semiconductor	Numazu Plant > Numazu,Shizuoka	Ricoh Manufacturing Sites in Japan Affected by the Great East Japan Earthquake and Tsunami	Unknown	Manufacturing Site	Partial	Supplies, toner, etc.	18-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
ROHM	OKI Semiconductor Miyagi Co., Ltd.	Water and electric power have yet to be fully restored at this time and preparations are underway to restart operations as soon as the infrastructure is repaired. In addition, a substitute production system is being formulated at the ROHM Kyoto main factory and ROHM Hamamatsu Co., Ltd. Efforts are being made to maintain a supply system that will fill customer orders.	Unknown	Manufacturing Site	Low	LSI	20-Mar-11
ROHM	ROHM Tsukuba Co., Ltd.	*Although the water for factory operations has yet to be restored, a partial operations* has started at March 19. In addition, thanks to the formulation of a substitute production system at ROHM Wako Devices Co., Ltd. and ROHM Apollo Devices Co., Ltd., a supply system is maintained to fulfill customer orders.	Restarted	Manufacturing Site	Low	Transistors, diodes	20-Mar-11
Rubycon	North-east Japan > Akita Rubycon	The factory is in normal operation.	None	Manufacturing Site	None	Not Reported	14-Mar-11
Rubycon	North-east Japan > Fukushima Rubycon	The examination of the machines and facilities has been completed and the factory is about to resume normal operation.	Unknown	Manufacturing Site	Low	Not Reported	14-Mar-11
Rubycon	North-east Japan > Niigata Rubycon	The factory is in normal operation.	None	Manufacturing Site	None	Not Reported	14-Mar-11
Rubycon	North-east Japan > Tohoku sales office and Mito sales office	Sales headquarter(Ina) has been supporting their operation and should you have any difficulty to contact to these offices, please contact to Sales headquarter. (Tel:+81 (0) 265 72 7114)	None	Sales Offices	None	Not Reported	14-Mar-11
Sanken Electric	Yamagata Sanken Co., Ltd. (Higashine, Yamagata Prefecture)	The production at Yamagata Sanken Co., Ltd. (Higashine, Yamagata Prefecture), Fukushima Sanken Co., Ltd. (Nihonmatsu, Fukushima Prefecture) and Kashima Sanken Co., Ltd. (Kamisu, Ibaragi Prefecture) is currently placed on halt. The supply of electric power was resumed, and the review of the earthquake impact on production equipments and analysis of recovery measures are underway.	Unknown	Manufacturing Site	None	Not Reported	13-Mar-11
Sanken Electric	Fukushima Sanken Co., Ltd. (Nihonmatsu, Fukushima Prefecture)	The production at Yamagata Sanken Co., Ltd. (Higashine, Yamagata Prefecture), Fukushima Sanken Co., Ltd. (Nihonmatsu, Fukushima Prefecture) and Kashima Sanken Co., Ltd. (Kamisu, Ibaragi Prefecture) is currently placed on halt. The supply of electric power was resumed, and the review of the earthquake impact on production equipments and analysis of recovery measures are underway.	Unknown	Manufacturing Site	None	Not Reported	13-Mar-11
Sanken Electric	Kashima Sanken Co., Ltd. (Kamisu, Ibaragi Prefecture)	The production at Yamagata Sanken Co., Ltd. (Higashine, Yamagata Prefecture), Fukushima Sanken Co., Ltd. (Nihonmatsu, Fukushima Prefecture) and Kashima Sanken Co., Ltd. (Kamisu, Ibaragi Prefecture) is currently placed on halt. The supply of electric power was resumed, and the review of the earthquake impact on production equipments and analysis of recovery measures are underway.	Unknown	Manufacturing Site	None	Not Reported	13-Mar-11
SANYO DENKI	Ueda	The Announcement due to the influence of Tohoku District /Pacific Coast Earthquake	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
SANYO DENKI	Nagano	The Announcement due to the influence of Tohoku District /Pacific Coast Earthquake	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
SANYO DENKI	Sendai	The Announcement due to the influence of Tohoku District /Pacific Coast Earthquake	Unknown	Sales Offices	None	Not Reported	14-Mar-11
SANYO DENKI	Utsunomiya	The Announcement due to the influence of Tohoku District /Pacific Coast Earthquake	Unknown	Sales Offices	None	Not Reported	14-Mar-11
Shindengen	Akita Shindengen Co., Ltd. (114-2, Aza Kamiyachi, Ooura, Yurihonjyo City, Akita)	We have currently halted operation at the main production facilities below located in the affected areas. The power outage is currently being restored, and we are confirming the production facility damage and working towards resuming operation. We shall issue another report as soon as we can confirm when to expect operation to begin.	Unknown	Manufacturing Site	None	Not Reported	15-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Shindengen	Higashine Shindengen Co., Ltd. (5600-1, Kou, Ooaza Higashine, Higashine City, Yamagata)	We have currently halted operation at the main production facilities below located in the affected areas. The power outage is currently being restored, and we are confirming the production facility damage and working towards resuming operation. We shall issue another report as soon as we can confirm when to expect operation to begin.	Unknown	Manufacturing Site	None	Not Reported	15-Mar-11
SMC Corporation	Soka (in Saitama Prefecture)	Our factories in Soka (in Saitama Prefecture) and Tsukuba (in Ibaraki Prefecture) and Yamatsuri(in Fukushima Prefecture) are now in operation, but rolling electricity outage is affecting the production.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
SMC Corporation	Tsukuba (in Ibaraki Prefecture)	Our factories in Soka (in Saitama Prefecture) and Tsukuba (in Ibaraki Prefecture) and Yamatsuri(in Fukushima Prefecture) are now in operation, but rolling electricity outage is affecting the production.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
SMC Corporation	Yamatsuri(in Fukushima Prefecture)	Our factories in Soka (in Saitama Prefecture) and Tsukuba (in Ibaraki Prefecture) and Yamatsuri(in Fukushima Prefecture) are now in operation, but rolling electricity outage is affecting the production.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
SMC Corporation	Tono (in Iwate Prefecture)	In the factory in Tono (in Iwate Prefecture), we are getting power supply effective today. We are now checking and adjusting machineries, and we expect to resume operation sometime within the week	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
SMC Corporation	Kamaishi (in Iwate Prefecture)	The building of the factory in Kamaishi (in Iwate Prefecture) has not been damaged and machineries' damage was minimal.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
Sony Electronics	Sony Chemical & Information Device Corporation	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Not Reported	14-Mar-11
Sony Electronics	Tagajyo Plant (Miyagi Prefecture)	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Magnetic Tapes, Blu-ray Discs etc.	14-Mar-11
Sony Electronics	Tome Plant, Nakada/Toyosato Sites (Miyagi Prefecture)	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Optical devices, IC cards etc.	14-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Sony Electronics	Miyagi Prefecture > Sony Shiroishi Semiconductor Inc.	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Semiconductor Lasers etc.	14-Mar-11
Sony Electronics	Fukushima Prefecture > Sony Energy Devices Corporation, Koriyama Plant	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Lithium Ion Secondary Batteries etc.	14-Mar-11
Sony Electronics	Fukushima Prefecture > Sony Energy Devices Corporation, Motomiya Plant	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Lithium Ion Secondary Batteries etc.	14-Mar-11
Sony Electronics	Saitama Prefecture > Sony Manufacturing Systems Corporation, Kuki Plant	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	Surface mounting equipment etc.	14-Mar-11
Sony Electronics	Ibaraki Prefecture > Sony DADC Japan Inc., Ibaraki Facility	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Manufacturing Site	Unknown	CDs, DVDs etc.	14-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Sony Electronics	Tagajyo, Miyagi > Sony Corporation Sendai Technology Center	Operations at several Sony Corporation and Sony Group sites and facilities have been affected by the Pacific Coast of Tohoku Earthquake and tsunami, and Sony is monitoring the status of each of these sites on an on-going basis, while also considering the most effective recovery measures. Sony also has responded to reports of widespread power outages by voluntarily suspending operations at several sites. No significant injuries have been reported to employees working at any of these sites when the earthquake or tsunami occurred. The company is currently evaluating the full impact of the earthquake, tsunami and related power outages on Sony's businesses and consolidated financial results	Unknown	Technology Center	Unknown	Not Reported	14-Mar-11
Spansion		Spansion's final manufacturing sites are outside Japan and the impact to near term product supply is expected to be minimal. Spansion is actively engaged in working with its manufacturing partners in Japan to provide assistance and understand any future changes to production as they deal with the tragedy daily. In order to ensure stability of supply to customers, Spansion has the flexibility to move manufacturing of certain products to its Austin facility or other partners as the situation evolves.	None	Manufacturing Site	Low	Not Reported	15-Mar-11
Taiyo Yuden	Fukushima Co., Ltd	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Optical recording media (CD-R, DVD-R, BD-R)	18-Mar-11
Taiyo Yuden	Egi Plant, Takasaki Global Center > Takasaki, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Main business activities: Personnel, General Affairs and Administration departments	18-Mar-11
Taiyo Yuden	Haruna Plant>>Takasaki, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Multilayer Ceramic Capacitors	18-Mar-11
Taiyo Yuden	Tamamura Plant > Tamamura-machi, Sawa-gun, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Multilayer Ceramic Capacitors, Multilayer Chip Inductors for High Frequency, Multilayer Chip Inductors, Multilayer Chip Varistors and Multilayer Chip Antennas / Filters	18-Mar-11
Taiyo Yuden	Yawatabara Plant > Takasaki, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Circuit Modules	18-Mar-11
Taiyo Yuden	R&D Center > Takasaki, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Not Reported	18-Mar-11
Taiyo Yuden	Taiyo Chemical Industry Co., LTD. >>Takasaki, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Surface processing of electronic components and Production and sales of mounting tools	18-Mar-11
Taiyo Yuden	Akagi Electronics Co., Ltd. >>Maebashi, Gunma	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Main business activities: Design and mounting of printed boards	18-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Taiyo Yuden	That's Fukushima Co., Ltd. > Date-shi, Fukushima	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Optical recording media Current situation: Some facilities and buildings have been damaged. At present, the site has been under investigation and operations are suspended. The site is not in the area of the planned outages, however electric transmission has not been fully restored.	18-Mar-11
Taiyo Yuden	Niigata Taiyo Yuden Co., Ltd > Joetsu-shi, Niigata	The planned electricity power outages that were recently started by Tokyo Electric Power Company will have an influence on the restoration and the ongoing efficiency of our production	Unknown	Manufacturing Site	Partial	Multilayer Ceramic Capacitors Current situation: This site has a possibility to be affected by the planned outages at a later date.	18-Mar-11
TDK	TDK Micro Device Corporation, Kitaibaraki-city, Ibaraki	The 2011 off the Pacific coast of Tohoku Earthquake and the impact of the planned rolling blackout	Unknown	Manufacturing Site	Partial	Organic EL displays	14-Mar-11
TDK	TDK-MCC Corporation Kitakami Plant, Kitakami-city, Iwate	The 2011 off the Pacific coast of Tohoku Earthquake and the impact of the planned rolling blackout	Unknown	Manufacturing Site	Partial	Capacitors	14-Mar-11
Texas Instruments	Miho	TI is moving quickly to shift production to other fabs and so far has identified alternate manufacturing sites for about 60 percent of Miho's wafer production. Work is underway to increase this percentage by moving the production of additional products. Specific damage at Miho includes the following: The infrastructure systems that deliver chemicals, gases, water and air were damaged, and repairs should be complete in about three weeks. Impact to the manufacturing equipment is unclear until continuous power is available from the electric utility. Work-in-process was damaged, and the current assumption is that about 40 percent of it can be recovered to support customers. The Miho building itself suffered little damage and remains structurally sound	Until May 1	Manufacturing Site	High	Not Reported	14-Mar-11
Texas Instruments	Aizu-wakamatsu	TI's fab in Aizu-wakamatsu, about 150 miles north of Tokyo, also was damaged in the earthquake, though equipment there already is being re-started and full production is estimated by mid-April, assuming a stable power supply. The company's third fab in Hiji, about 500 miles south of Tokyo, was undamaged and is currently running at normal capacity	Until May 1	Manufacturing Site	High	Not Reported	14-Mar-11
Toko	TOKO Coiltec Co., Ltd.(Ninohe-shi, Iwate-ken)	Personnel and building unaffected. The normal operation has been started.	None	Manufacturing Site	None	Not Reported	18-Mar-11
Toko	Hikari Electronics Co., Ltd.(Osaki-shi, Miyagi-ken)	No personnel injury, a portion of the factory and equipment was damaged	Until Mar 22	Manufacturing Site	Partial	Not Reported	18-Mar-11
Toko	Elec-kitakami Co., Ltd.(Kitakami-shi, Iwate-ken)	No personnel injury, a portion of the factory and equipment was damaged.	Restarted	Manufacturing Site	Partial	Not Reported	18-Mar-11
Torex Semiconductor	South of Japan	Two of production partners do have factories closer to the earthquake zone and both have reported some damage as a result of the quake.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11
Toshiba	Tokyo	Toshiba Corporation today announced that it will cooperate with Tokyo Electric Power Company's (TEPCO) request to cut electricity consumption by operating only those of its businesses related to provision of essential services required for social and economic activities. This decision extends to Toshiba Group companies and covers production facilities and business premises in areas where TEPCO plans controlled power outages. In line with this decision, Toshiba has closed for today all of its premises in those areas with power outages, other than its headquarters and those business operations related to essential services.	Unknown	Manufacturing Site	None	Not Reported	14-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
Tyco Electronics		Our facilities in Japan had only minor damage that caused little or no delay in production	Unknown	Unknown	Partial	Not Reported	21-Mar-11
United Chemi Con	Nippon Chemi-Con Corp. Niigata Plant (Kita-Kanbara, Niigata)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Hidaka Electron Co., Ltd. (Samani, Hokkaido)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Iwate Corp. (Kitakami, Iwate)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Iwate Electrolytic Industry Corp. (Kitakami, Iwate)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Sealing Rubber Corp. (Kitakami, Iwate)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Nichiei Electronics Corp. (Kitakami, Iwate)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Iwate Electronics Corp. (Kitakami, Iwate)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Yamagata Corp. (Nagai, Yamagata)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Yonezawa Corp. (Higashi-Okitama, Yamagata)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11

Impacts of the 2011 Tōhoku Japanese Earthquake on the Electronics Industry

Supplier	Location	Description of Statement	Down Status	Facility Type	Damage	Affected Products	News Date
United Chemi Con	Fukushima Electrolytic Industry Corp. (Kitakami, Iwate)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Nagaoka Corp. (Nagaoka, Niigata)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Nippon Chemi-Con Corp. Takahagi Plant (Takahagi, Ibaraki)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Machinery Corp. Sendai Plant (Iwanuma, Miyagi)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
United Chemi Con	Chemi-Con Fukushima Corp. (Nishi-Shirakawa, Fukushima)	Production status at the major plants can be divided into two categories; production bases with facilities which are able to operate as usual and production bases under recovery works. Production bases with facilities which are able to operate as usual however remains under reduced operation with the effect of rolling blackouts and lack of gasoline and heavy oil supply.	Unknown	Manufacturing Site	None	Not Reported	17-Mar-11
Venkel		At this time Venkel is not experiencing any raw material shortages, Issues related to manufacturing or delivery constraints as a result of the japan earthequake and tsunami	None	Manufacturing Site	None	Not Reported	15-Mar-11

Unaffected Electronic Component Manufacturers - 2011 Tōhoku Japanese Earthquake

Manufacturer	Status	Source Link
Atmel	Not Affected	Source Link
Chilisin Electronics	Not Affected	Source Link
Coilcraft	Not Affected	Source Link
e2v	Not Affected	Source Link
Emerson	Not Affected	Source Link
Everlight Electronics	Not Affected	Source Link
Fuji Electric	Not Affected	Source Link
Hokuriku Electric Industry	Not Affected	Source Link
KEMET Electronics	Not Affected	Source Link
Laird Technologies	Not Affected	Source Link
Macronix International	Not Affected	Source Link
NXP Semiconductors	Not Affected	Source Link
Omron	Not Affected	Source Link
ProTek Devices	Not Affected	Source Link
Samtec	Not Affected	Source Link
Semtech	Not Affected	Source Link
Sensata Technologies	Not Affected	Source Link
TriQuint Semiconductor	Not Affected	Source Link
Yageo	Not Affected	Source Link

From: Johnson, Michael
Sent: Wednesday, April 06, 2011 6:02 AM
To: RST06 Hoc; Hoc, PMT12; LIA08 Hoc
Subject: FW: Response - Tasker Item # 4125 -

FYI.

From: Weber, Michael
Sent: Wednesday, April 06, 2011 5:18 AM
To: Johnson, Michael
Cc: Virgilio, Martin; ET01 Hoc; ET05 Hoc; OST02 HOC
Subject: Response - Tasker Item # 4125 -

It still exists, but we've discussed the MELCOR/MACCS runs with the Chairman and have the green light to proceed. Our focus in these calculations is on the source term, primarily, which is under our control.

If we wanted NARAC to use this source term for one or more additional in country or transpacific plume projections, we would need WH/NSS approval.

From: Johnson, Michael
To: Weber, Michael
Cc: Virgilio, Martin
Sent: Wed Apr 06 03:01:53 2011
Subject: Tasker Item # 4125 -

Mike,

Cindy turned over to me that the Site team is requesting Sandia to develop a refined source term based on current understanding of the plant and run MELCOR. They will then request that we the run the MACCS codes using up-to-date data to show what the codes might indicate now.

I discussed this with Elmo. It will be a part of the "current state" overall assessment.

Cindy and I recollect that we (USG) carefully controlled who did these types of analyses (NARAC) and the assumptions were also carefully controlled (approved by the Chairman and agreed to by DOE, OSTP, etc.) Elmo believes that the situation that existed then is different and that the MELCOR run will provide meaningful insights regarding what can still occur.

Do you know if this previous sensitivity still exists.

Mike

TTTT - 235

From: Mensah, Tanya

To: Blount, Tom; Tam, Peter; Manoly, Kamal; Thomas, George; Miranda, Samuel; Smith, Edward; Roberts, Darrell; Christensen, Harold; Lara, Julio; Vegel, Anton; Clark, Michael; Sexton, Kimberly; Hott, Christopher; Gulla, Gerald; Weil, Jenny; Burnell, Scott; Markley, Michael; Rosenberg, Stacey; Banic, Merrilee; Kim, James; Farzam, Farhad; Setzer, Thomas; Jackson, Donald; Russell, Andrea

Subject: Tentative: Calls with 2.206 Petitioners Regarding the Japan EQ: G20110171 (Saporito); G20110191 (Mulligan);

When: Wednesday, April 06, 2011 2:00 PM-4:15 PM (GMT-05:00) Eastern Time (US & Canada).
Where: HQ-OWFN-07B04-25p

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*~*

Mr. Mulligan and Mr. Saporito requested opportunities to address the PRB via teleconference before the PRB meets internally to make the initial recommendation. Per the PRB members and advisors (during our internal planning meeting) it was conveyed to me that you would like to coordinate the date/time of the calls with each petitioner on the same day. Per your schedules in Outlook, I am recommending that we proceed as noted below.

If you are supporting the review of both petitions, your attendance in person (or via phone) would be needed to listen to the petitioners. Otherwise, you only need to attend the portion of the call for the Green Ticket that you were requested to support. There are some differences in technical leads within NRR since Mr. Mulligan's 2.206 deals with the reactor bldg (in light of the Japan EQ) and Mr. Saporito's is a broader request to consider all reactors close to (or near) fault-lines (in light of the Japan EQ).

Proposed Dates/Times:
Call w/ Mr. Mulligan (G20110191) on Wednesday, April 6th from 2-3 pm EDT so that he can address the PRB by phone. James Kim is the petition manager. Jim can you propose this time for Mr. Mulligan so that he can convey his availability to you? They both appear to be available during this time. Please advise Mr. Mulligan that of the hour, he would have approximately 35 minutes to address the PRB.

B. Call w/ Mr. Saporito (G20110171) on Wednesday, April 6th from 3- 4:15 pm EDT. Peter Tam is the petition manager. Peter, can you propose this time for Mr. Saporito to consider? Please advise Mr. Saporito that he would have 1 hour to address the PRB as he requested to make his presentation.

C. If Mr. Linton (UK petitioner) requests to address the PRB, I will need to find a separate date.

The call will be recorded by the NRC Op. Center and transcribed by a court reporter. A dial in to the Op. Center will be provided during my update to this meeting request.
A copy of the transcript will be made available to the public in ADAMS. PRB Opening Remarks will be prepared by James Kim and Peter Tam.

Peter and Jim: Once I receive your confirmation, I will update the meeting requests to reflect that they confirmed. You should begin preparing the PRB Opening Remarks. Peter, I will send you the template (it's on the Sharepoint Link under 10 CFR 2.206 Job Aids). A copy of the PRB Opening Remarks will be provided to all PRB members and advisors to follow along with the agenda.

Thanks,

Tanya Mensah

TTTT/236

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Advisory Committee on Reactor Safeguards

Fukushima Event and Issues

April 7, 2011

TTTT - 237

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Agenda

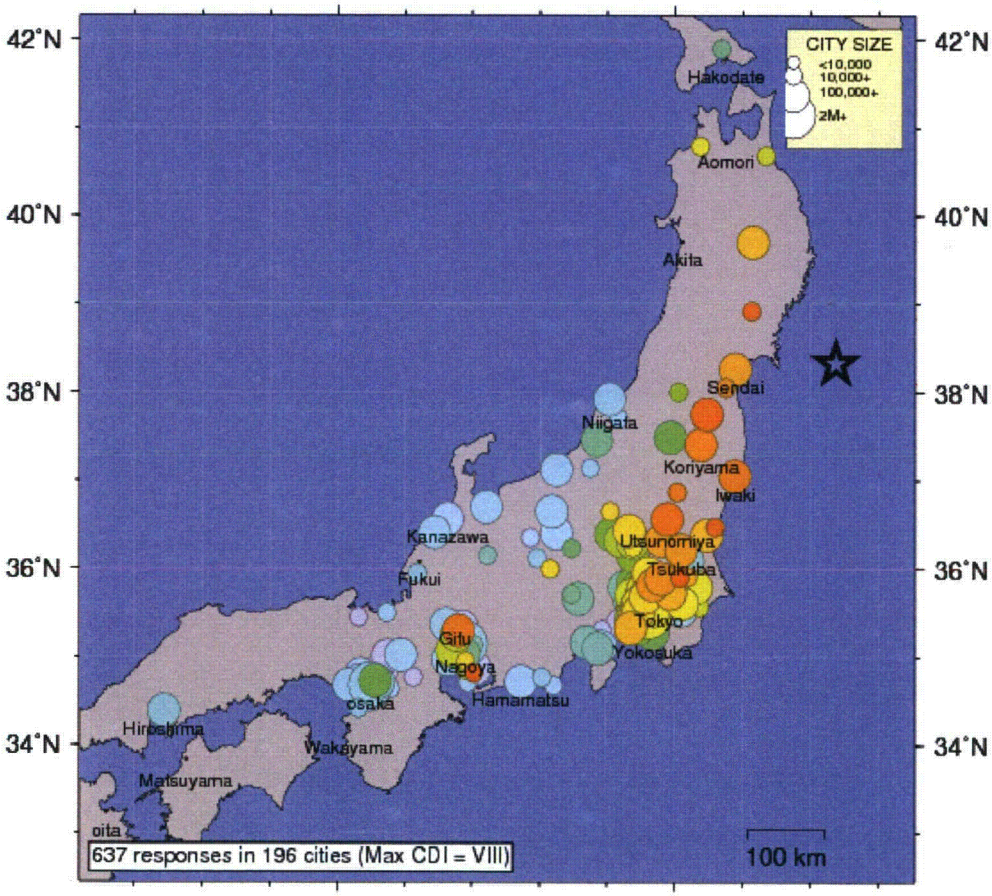
- Introduction – Bill Ruland (5 min)
- Sequence of Events – John Thorp (10 min)
- Information Notice – Eric Bowman (5 min)
- Industry Actions and Temporary Instruction – Tim Kobetz (5 min)
- Near Term Task Force – Barry Westreich (10 min)
- Seismic Attributes – Syed Ali (5 min)
- Station Blackout – George Wilson (10 min)
- NRC Incident Response – Brian McDermott (10 min)
- Emergency Preparedness – Randy Sullivan (10 min)

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Tohoku Pacific Earthquake

- 14:46 (Local) March 11, 2011
- Magnitude 9.0 Earthquake
  - 4th largest in the world since 1900 (USGS)
  - Largest in Japan since modern instrument recordings began 130 years ago (USGS)
- Resulted in a Tsunami that is estimated to have exceeded 32 feet in height (NISA)

USGS Community Internet Intensity Map
NEAR THE EAST COAST OF HONSHU, JAPAN
Mar 11 2011 14:46:23 local 38.322N 142.369E M9.0 Depth: 32 km ID:usc0001xgp



INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	none	none	none	Very light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy

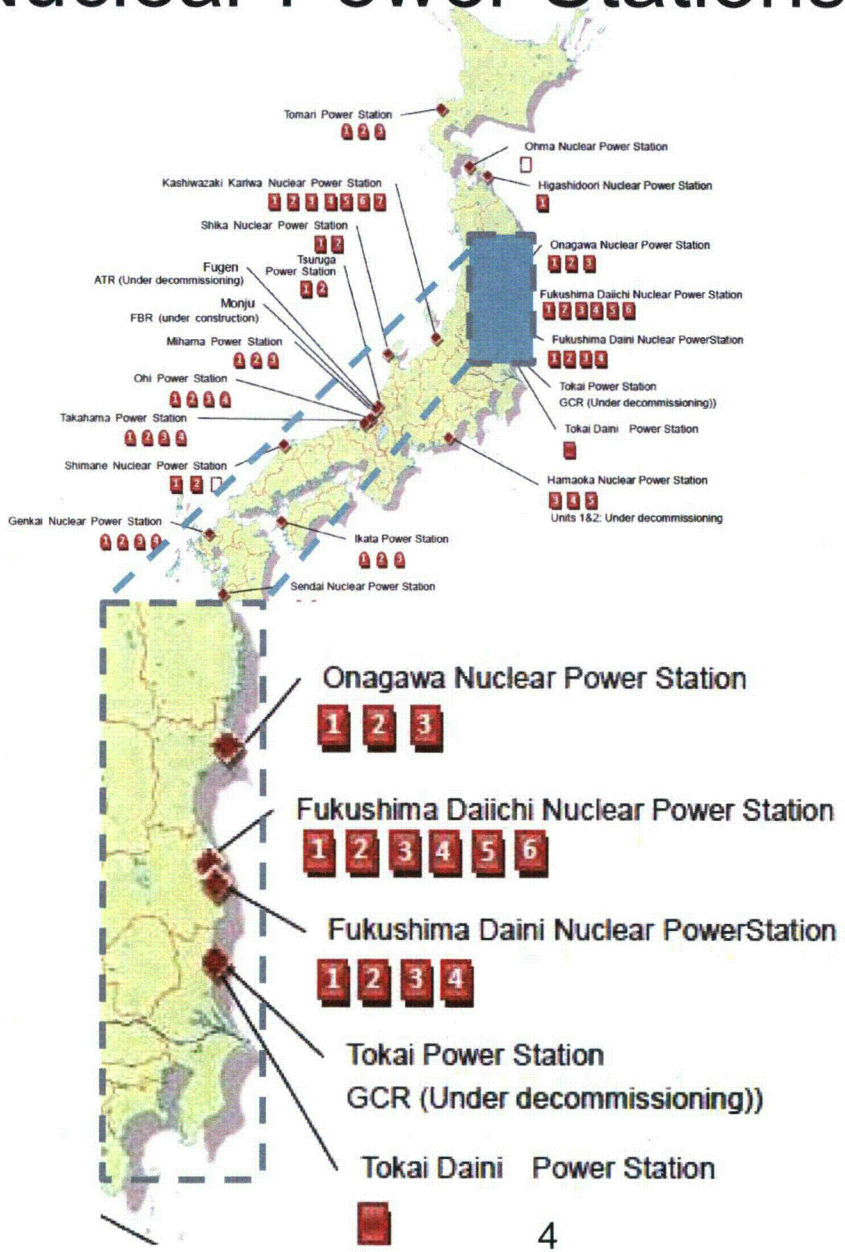
Processed: Thu Mar 31 06:47:13 2011

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Affected Nuclear Power Stations

- **Onagawa** NPS
  - All 3 units scrammed
- **Fukushima Dai-ichi** (I) NPS
  - Units 1, 2, 3 scrammed
  - Units 4, 5, 6 already shutdown
- **Fukushima Dai-ni** (II) NPS
  - All 4 units scrammed
- **Tokai**
  - Scrammed (single unit site)

Source: NISA



U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Extended SBO at Fukushima Dai-ichi

- Earthquake
  - Reactor Units 1, 2, and 3 scram
  - Loss of offsite power to all 6 units
- Tsunami
  - Loss of emergency AC power
- Extended Station Blackout

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Accident Sequence

- Reactor coolant flow after SBO
  - Reactor isolation makeup water system
- Loss of coolant flow
  - Utility established seawater injection
- Elevated primary containment pressure
- Explosions
  - Damaged reactor buildings for Units 1, 3 and 4
  - Unit 2 explosion in primary Containment- reactor building not damaged, possible torus damage

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

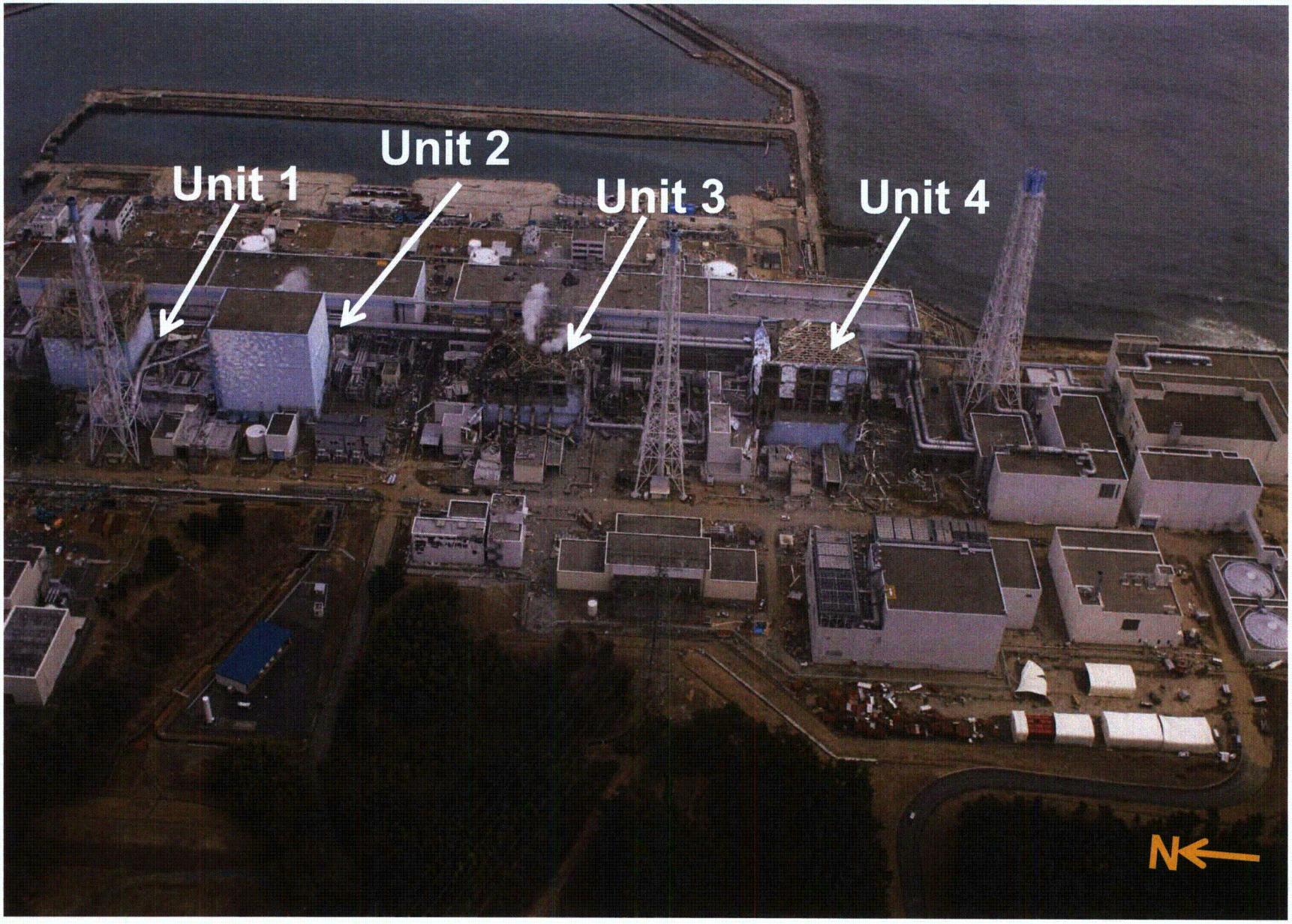
5 April Status: Units 1,2 and 3

- Cores reported to be damaged
  - Extent unknown
  - Salt buildup from seawater injection
- All units have offsite AC power available
  - Equipment verification in progress
- Freshwater injection via:
  - Feedwater line
  - Low pressure coolant injection
- High radiation levels in containment and site

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Status: Units 4, 5, and 6

- Unit 4
  - Core offloaded to spent fuel pool (SFP)
  - An explosion caused significant damage to Unit 4 reactor building
  - SFP cooling system not functional
  - SFP being cooled periodically by injection of fresh water from a concrete truck pump
- Units 5 and 6
  - On external AC power with core cooling functional
  - SFP cooling is functional on both units



Fukushima Dai'ichi Nuclear Power Station

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Information Notice 2011-05

- Purpose: to provide high level discussion of earthquake effects at Fukushima Daiichi and allow licensee review and consideration of actions to avoid similar problems.

- Background discussion of pertinent regulatory requirements
  - General Design Criteria 2 (or similar)
  - "B.5.b Requirements" for beyond design basis events
    - Interim Compensatory Measures Order EA-02-026, Section B.5.b
    - License Conditions
    - 10 CFR 50.54(hh)(2)
  - Station Blackout Rule, 10 CFR 50.63

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Industry Initiatives

- An industry-wide assessment to verify and validate each plant site's readiness to manage extreme events
- Initiatives include licensee verification of:
  - Each plant's capability to manage major challenges, and losses of large areas of the plant due to natural events, fires or explosions
  - Each plant's capability to manage a total loss of off-site power
  - Verifying the capability to mitigate flooding and the impact of floods
  - Performing walk-downs and inspection of important equipment needed to respond successfully to extreme events like fires and flood including identification of any potential that equipment functions could be lost during seismic events appropriate for the site, and development of strategies to mitigate any potential vulnerabilities.

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

NRC Inspection Activities

- Temporary Instruction 2515/183, "Followup to the Fukushima Daiichi Nuclear Station Fuel Damage Event
- Inspection uses a combination of assessment of licensee actions and independent inspections
- The inspection is for fact/data gathering to help evaluate whether future regulatory actions may be necessary.

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Near-Term Task Force

- Commission Direction for Near-Term Review
  - Conduct a methodical and systematic review of relevant NRC regulatory requirements, programs, and processes, and their implementation, to recommend whether the agency should make near-term improvements to our regulatory system
  - Recommendations for the content, structure, and estimated resource impact for the longer-term review
  - Independent from industry efforts
  - Milestones
    - 30-day Commission meeting (5/12/11)
    - 60-day Commission meeting (6/16/11)
    - 90-day final report, SECY, and Commission meeting (7/19/11)

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Longer-Term Review

- Commission Direction for Longer-Term Review
  - Specific information on sequence of events and equipment status
  - Evaluate policy issues
  - Potential interagency issues
  - Lessons learned for facilities other than operating reactors
  - Receive input and interact with all key stakeholders
  - Report within six months after beginning of long-term effort
  - ACRS to review final long-term report (as issued in its final form), and provide letter report to the Commission

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Tōhoku Earthquake and Tsunami

- Earthquake Data*
  - Magnitude 9.0
  - Epicenter: ~109 miles from Fukushima site
  - Peak Ground Acceleration
    - 1.0g up to 2.75g at 80 miles from epicenter
    - ~0.30g to 0.58g in Fukushima Prefecture

*California Coastal Commission. "The Tōhoku Earthquake of March 11, 2011: A preliminary Report on Implications for Coastal California "

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Tōhoku Earthquake and Tsunami

- Tsunami Data*
  - Peak amplitude reports vary
  - Reached shore within ~ one hour after the earthquake
  - Up to six miles of run-up in flat regions

*California Coastal Commission. "The Tōhoku Earthquake of March 11, 2011: A preliminary Report on Implications for Coastal California "

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Tōhoku Earthquake and Tsunami

- NPP Foundation Accelerations*

Location	Design Japanese Regulatory Guide g	Observed g
Daiichi Unit 2	.45	.56
Daiichi Unit 6	.46	.45
Daini Unit 1	.44	.23
Daini Unit 2	.44	.20

*TEPCO Press Release April 01, 2011: The record of the earthquake intensity observed at Fukushima Daiichi Nuclear Power Station and the Fukushima Daini Nuclear Power Station (Interim Report).

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Station Blackout– Background

- **NRC issued SBO Rule (10 CFR 50.63) in 1988**
- **Each plant must be able to withstand for a specified duration and recover from a SBO**
- **Regulatory Guide (RG) 1.155, "Station Blackout," - endorsed NUMARC 87-00 industry guidance for SBO rule**
- **All 104 plants met the SBO rule requirements at the time of the staff's review**
  - Safety Evaluations
  - Pilot Inspections

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Station Blackout - Implementation

- **Coping Duration**
  - Factors affecting Offsite power design
  - Factors affecting Onsite power system
- **Coping Methods**
  - AC independent
  - Alternate AC
- **Procedures**
  - Restoration of AC power
  - Non essential DC loads for stripping
  - Actions for loss of ventilation
  - Grid Interface

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

NRC Incident Response

- Response Decisions
- NRC Roles
- Areas of Focus
- Coordination, Support and Outreach
- Current Status of Response

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Emergency Planning Zones

- Two emergency planning zones (EPZ) around each nuclear power plant
  - 10 mile EPZ – plume exposure planning zone
    - Response within hours
  - 50 mile EPZ – ingestion exposure planning zone
    - Response within days
- EPZ size established:
  - Encompasses most accident sequences
    - WASH 1400 Reactor Safety Study
    - Conservative Assumptions
  - Provides a substantial basis for expansion of response beyond the EPZ should it be needed

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

PAR for U.S. Citizens in Japan

- Recommendation for 50 mile evacuation
  - Limited and uncertain data available
  - Significant challenges to 3 units and 4 spent fuel pools
  - Potential for large offsite release existed
  - Rapidly modeled aggregate cores to simulate potential release
  - Decision to expand evacuation was prudent given the uncertain conditions

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

Questions?

From: RST01 Hoc
Sent: Thursday, April 07, 2011 8:46 AM
To: RST08 Hoc; RST09 Hoc; RST06 Hoc
Subject: FW: 3 - 6 Month Plans
Attachments: image001.jpg; 3-6 months plans110406.pdf

Attached is what amounts to the Japanese version of our stability document. I would suggest Mike & Mirela review this to see if we should incorporate any thoughts into our document.

I would guess INPO and some of the other participants in the 1100 call will have seen this.

From: Sheron, Brian
Sent: Thursday, April 07, 2011 7:43 AM
To: ET01 Hoc; RST01 Hoc; PMT01 Hoc; Weber, Michael; Virgilio, Martin
Subject: FW: 3 - 6 Month Plans

FYI, in case you hadn't seen this. Alex sent a follow-up e-mail indicating it was sensitive information that should not be distributed.

From: Larzelere, Alex [mailto:alex.larzelere@nuclear.energy.gov]
Sent: Wednesday, April 06, 2011 8:07 PM
To: DL-NITsolutions
Subject: 3 - 6 Month Plans

Everyone,

Another document – this one contains the Japanese plans to resolve the Fukushima reactor situation over the short, mid, and long term. This will also be a topic of discussion for the call.

Regards,

Alex

Alex R. Larzelere
Director, Advanced Modeling and Simulation Office
Office of Nuclear Energy (NE-71)
U.S. Department of Energy
202-586-1906
Alex.Larzelere@nuclear.energy.gov

AMSO
ADVANCED MODELING & SIMULATION OFFICE

TTTT-238

Efforts to End the Fukushima Nuclear Insident (Draft)

Basic Principle: Establish Stable Cooling Condition in Reactors and Spent Fuel Pools, and Limit the Release of Radioactive Substances

Challenge	Now	By the End of June (Step 1)	By the End of September (Step 2)	Long-term (Step 3)
(1) Cooling Reactors	① Possibility that fuels in the reactor are exposed above the level of cooling water - injecting fresh water to the reactor by temporary pumps - considering flooding methods to the top of fuels in the container vessel ② Possibility of further hydrogen explosion - preventing such explosion by filling nitrogen into container vessel ③ Possibility that Unit 2 containner vessel is damaged - Planning to seal off damaged points (ex. filling grout)	① Stable cooling - flooding to the top of fuel assemblies - building a heat removal system with temporary heat exchangers ② Re-circulating contaminated water leaked in the T/B to the pressure vessel, limiting its increase within the buliding (Unit 2) - continuing to consider and conducting seal off of damaged points	① Cold shutdown (as already in Unit 1-4 in Fukushima Dai-Ni) - Flooding container vessels and natural cooling <Challenge> possibility that a seal-off operation of the Unit 2 takes longer time	① Continuing Cold shutdown ② Making a decision on the treatment of fuels in the reactors
(2) Cooling Spent Fuel Pools	① Spraying water to pools of Unit 1, 3 and 4 - Use of "Giraffes" ② Injecting water from normal SFP lines in Unit 2	① Stable cooling - continuing "Giraffes" spraying (increase of reliability / introducing remote control) - continuing water injection from normal SFP lines in Unit 2 ② Confirmation of no radioactive release - sampling and measuring of steam, using "Giraffes"	① Complete cooling - establishing cooling of circulating water with heat exchangers - introducing automated "Giraffes"	① Continuing cooling ② Making a decision on the treatment of spent fuels in the pools

(3) Containing, and Processing/Storing/Reusing Contaminated Water	① Flow of highly-contaminated water to the sea, which source seems to be Unit 2 reactor - releasing low-level contaminated water in order to prevent high-level contaminated water into the sea - identifying the flow route and stopping water leakage ② High-level contaminated water in T/B and trenches - transfering such water and storing it in temporary tanks and verge ships - considering improvement of working conditions in the buildings - considering how to stop water relating underground water	① No release of radiation from the contaminated water to outside the site - use of buildings such as R/W as a storage - use of temporary tanks, ship/mega-floats - setting up water-treatment facility, processing high-level water and storing it in tanks ② Maintaining the function of container vessels (no significant leakage) - see above (Cooling Reactors)	① Desalinating contaminated water and its reuse - expand water-treatment facilities and remove salt from low-level water (desalination)	
(4) Limiting Release of Radiation to the Air and Soil	① Debris outside buildings and spreading of radioactive substances - limiting the spread of radioactive substances by spraying spread-prevention materials - considering ways to fixing, replacing and cleaning contaminated soil	① Control release of radioactive substances - lowering possible effects of such release during venting by placing filters, preparing for the contingency ② Preventing spread of radioactive substances within buildings and sites - applying and spreading spread-prevention materials on buildings - removing debris	① Covering the entire buildings (as running repair) - completing covering on R/B (Unit 1, 3 and 4) - starting substantial work (roof and outer walls of concrete) <Challenge> need of significant reduction of radiation level for the work of major construction companies	① Substantial work on shielding
(5) Strengthened Measurement of Radiation Level in/around the Evacuation Areas and its Publication	① Yet to conduct environmental monitoring within evacuation areas - already conducting environmental monitoring of sea water, soil and air in the site - considering methods of monitoring in evacuation areas including the number of monitoring posts - already measuring radiation level at locations such as the main gate of the site	① Publisizeing the result of broad and accurate monitoring - monitoring evacuation areas - conducting radiation survey on houses to which residents come back ② Providing right information on the impact of residual radioactive substances - evaluating the impact of residual radioactive particles including Cs 137 which half-life is long	(Continuing and enhancing measures mentioned on the left)	(Continuing and enhancing measures mentioned on the left)

From: Thorp, John
Sent: Thursday, April 07, 2011 8:58 AM
To: RST01 Hoc; Hoc, RST16; RST06 Hoc
Cc: Wertz, Trent; Ruland, William
Subject: RE: (Query) --- Quick Questions

Many thanks!

John

From: RST01 Hoc
Sent: Thursday, April 07, 2011 8:57 AM
To: Thorp, John; Hoc, RST16; RST06 Hoc
Cc: Wertz, Trent; Ruland, William
Subject: RE: (Query) --- Quick Questions

Answers below.

From: Thorp, John
Sent: Thursday, April 07, 2011 7:55 AM
To: Hoc, RST16; RST01 Hoc; RST06 Hoc
Cc: Wertz, Trent; Ruland, William
Subject: (Query) --- Quick Questions
Importance: High

RST Coordinator & Communicator,

I'm finalizing my remarks for my portion of the ACRS presentation on the Accident at Fukushima. I understand there have been some very recent developments I should probably include.

Could I get an answer on these questions? Let me know if you'd rather that I just came over to the RST.

1. I need to see if possible the TEPCO public statement of the percentage of damage in the cores of Units 1-3. I saw a report that showed INPO folks had stated that TEPCO had made the public announcement, but haven't seen the TEPCO public announcement.

ANSWER: SITE TEAM CONFIRMED WITH TEPCO THEIR ESTIMATES. FROM THE ATTACHED NRC STATUS REPORT: TEPCO has announced publicly that they estimate the core damage in Unit 1 is 70 percent, Unit 2 is 30 percent and Unit 3 is 25 percent. These figures are based on the dose rates on Units 1 and 3 of 16,700 Rem/hr on March 14 and 6,270 Rem/hr on March 15 in Unit 2. (Source: INPO, 6:30 a.m. EDT, Wednesday, April 6)

2. I need status on the April 5th (new) note that an SRV was stuck open on Unit 1, and that the Japanese planned to inert the containment(s) with Nitrogen on April 6th. Did the inerting actions happen? Is there a reference I can use?

ANSWER: TV REPORT FROM NHK. We are looking for a better reference.

TTT-239

Please respond by 0900 if you can.

Thanks,

John Thorp

From: Wiggins, Jim
Sent: Friday, April 08, 2011 11:42 AM
To: ET05 Hoc; ET07 Hoc; LIA01 Hoc; Bergman, Thomas
Subject: FW: Need your approval: Emergent JWICS Video Implementation To Support PACOM/Japan

---

From: Holahan, Patricia
Sent: Friday, April 08, 2011 11:37 AM
To: Stapleton, Bernard; Ash, Darren
Cc: Wiggins, Jim; Evans, Michele; Erlanger, Craig; Howard, Patrick
Subject: RE: Need your approval: Emergent JWICS Video Implementation To Support PACOM/Japan

Thanks in advance. That would certainly help communications with PACOM.

From: Stapleton, Bernard
Sent: Friday, April 08, 2011 11:36 AM
To: Ash, Darren
Cc: Wiggins, Jim; Evans, Michele; Holahan, Patricia; Erlanger, Craig; Howard, Patrick
Subject: Need your approval: Emergent JWICS Video Implementation To Support PACOM/Japan
Importance: High

Darren,

At the request of Admiral Willard, Commander, US Pacific Command (PACOM) the Defense Intelligence Agency (DIA) will be loaning us a Desktop Video Teleconferencing (DVTC) appliance to be installed on our Joint World Wide Intelligence Communications System (JWICS) as a node in the Two White Flint North Sensitive Compartmented Information Facility. This is in support of NRC activities in response to the Japanese nuclear event.

The Information Security Branch has coordinated this installation with DIA, PACOM, and the National Security Agency(NSA). Responsibility for the security controls will fall to DIA and NSA . This system will be a temporary installation until the capability to securely communicate with PACOM, for the Japan issue, is no longer needed.

PACOM has requested the DVTC be installed today, Friday April 8, 2011. An email from you or your designee authorizing the activation of this unit to our JWICS network would be required.

Please feel free to contact me at any time if you have any questions. Mike Mangefrida of my staff is coordinating this effort.

Thank you,

Bernard (Bern) Stapleton
Chief, Information Security Branch
U.S. Nuclear Regulatory Commission
(301) 415-2214 O
(301) 415-2190 F

TTTT/240

From: RST01 Hoc
Sent: Saturday, April 09, 2011 12:22 PM
To: RST08 Hoc; RST09 Hoc; RST06 Hoc
Subject: FW: Plant Status Chronologies of Units 1, 2, and 3
Attachments: Fukushima Daiichi Chronology (04-09-2011).xlsx

From: Marksberry, Don
Sent: Saturday, April 09, 2011 11:35 AM
To: RST01 Hoc; Thorp, John; Tinkler, Charles; Schaperow, Jason; Arndt, Steven; Esmaili, Hossein; Helton, Donald
Cc: Lee, Richard; Demoss, Gary; Coyne, Kevin; Stutzke, Martin; Salley, MarkHenry; Siu, Nathan
Subject: Plant Status Chronologies of Units 1, 2, and 3

Here is this morning's edition of plant status chronology and data tables for Units 1, 2, and 3 that we are maintaining informally in RES. It does not include radiological information.

Please note that the info sources are official press releases from TEPCO and NISA. No other sources or speculations were included.

Don

Don Marksberry

Division of Risk Analysis
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
21 Church Street
Rockville, Maryland 20850-4207

Phone: 301-251-7593
E-mail: Don.Marksberry@nrc.gov

USPS & Express Mail Address:
Mail Stop: C-4C07M
Washington, D.C. 20555-0001

TTT- 241

Plant Parameters: **Unit 3**

Revision 4/09/2011 (11:30 a.m. EST)

Source: NISA Press Releases	Unit	3/14 19:30	3/15 11:42	3/16 12:40	3/17 3:20	3/17 11:10	3/18 2:45	3/18 12:35	3/18 21:05	3/19 6:10	3/19 11:15	3/19 17:25	3/20 4:30	3/20 11:00	3/20 16:00
RPV Injection.....Water Source	Salt/Fresh														
via Feed Water Line	L/min														
via Fire Extinguishing Line	L/min														
via Fire Extinguishing Line	m3/h														
RPV Level															
Fuel Range A	mm	-1900	-1900	-1900	-1950	-1950	-2000	-2000	-1900	-1200	-1950	-1850	-1950	-1950	-1650
Fuel Range B	mm	-2300	-2300	-2300	-2300	-2300	-2300	-2300	-2300	-2300	-2300	-2300	-2300	2350	-2000
RRV Pressure (see note)		Note: 1	Note: 1	Note: 1	Note: 1	Note: 1									
Channel A	MPa g	0.183	0.244	0.059	0.023	0.014	-0.005	-0.018	-0.016	0.045					
Channel B	MPa g	0.183	0.244	0.065	0.032	0.023	0.014	0.000	0.016	0.005	-0.023	0.086	0.216	0.189	0.162
Channel C	MPa g										-0.023	-0.050	0.180	0.149	0.119
Channel A	MPa abs	0.284	0.345	0.160	0.124	0.115	0.096	0.083	0.085	0.146					
Channel B	MPa abs	0.284	0.345	0.166	0.133	0.124	0.115	0.101	0.117	0.106	0.078	0.187	0.317	0.290	0.263
Channel C	MPa abs										0.078	0.051	0.281	0.250	0.220
Drywell Pressure	MPa abs	0.335	0.415	0.230	0.200	0.190	0.155	0.155	0.160	0.185	0.160	0.210	0.340	0.310	0.290
Suppression Chamber Pressure	MPa abs	0.500	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	Note 2	Note 3	Note 4
RPV Temperature		Note 1: Both readings are noted in the press releases as coming from channel A											Note 2: "Down scale 100"		
Feedwater Nozzle Temp	C												Note 3: "400 overscale"		
RPV Bottom Head Temp	C												Note 4: "800 down scale"		
Containment Atm Monitoring System															
Drywell	Sv/h														
Suppression Chamber	Sv/h														

Notes:

NISA News releases started reported gage pressure, then converted readings to absolute pressure. NISA separate parameter tables report gage pressure. Conversion in this table in BLUE.

Standard atmospheric pressure = 101.325 kPa = 0.101325 Mpa
Absolute pressure = 0.101325 MPa + 0.06 MPa = 0.161325 Mpa

Plant Parameters: **Unit 3**

Revision 4/09/2011 (11:30 a.m. EST)

Source: NISA Press Releases	Unit	3/21 4:00	3/21 12:15	3/21 14:55	3/22 5:30	3/22 10:35	3/23 4:00	3/23 9:10	3/24 2:40	3/24 10:20	3/24 18:00	3/25 6:10	3/25 16:10	3/25 18:02	3/25 20:05
RPV Injection.....Water Source	Salt/Fresh								Salt	Salt	Salt			Fresh	Fresh
via Feed Water Line	L/min														
via Fire Extinguishing Line	L/min								Note 8	Note 8	Note 8			240	240
via Fire Extinguishing Line	m3/h														Note 7
RPV Level															
Fuel Range A	mm	-1650	-1600	-1550	-1575	-1575	-1900	-1800	-1800	-1900	-1850	-1900	-1900		
Fuel Range B	mm	-1950	-2000	-2025	-2350	-2350	-2300	-2300	-2300	-2300	-2300	-2300	-2300		
RRV Pressure (see note)															
Channel A	MPa g	0.214	0.043	0.045	0.038	0.036	0.036	0.034	0.041	0.036	0.038	0.038	0.036		
Channel B	MPa g														
Channel C	MPa g	-0.027	-0.083	-0.088	-0.101	-0.101	-0.101	-0.104	-0.097	-0.099	-0.101	-0.097	-0.099		
Channel A	MPa abs	0.315	0.144	0.146	0.139	0.137	0.137	0.135	0.142	0.137	0.139	0.139	0.137		
Channel B	MPa abs														
Channel C	MPa abs	0.074	0.018	0.013	0.000	0.000	0.000	-0.003	0.004	0.002	0.000	0.004	0.002		
Drywell Pressure	MPa abs	0.160	0.120	0.110	0.100	0.100	0.100	0.100	dwn/scale	0.107	0.107	0.1074	0.1075		
Suppression Chamber Pressure	MPa abs	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	dwn/scale	0.199	0.200	0.1937	0.1895		
RPV Temperature									Note 5,6	Note 6	Note 6	Note 6	Note 6		
Feedwater Nozzle Temp	C								80.7	14.1	65.6	42.8	-33.4		
RPV Bottom Head Temp	C								185.4	185.5	155.7	111.6	111.0		
Containment Atm Monitoring System															
Drywell	Sv/h								57.9	55.9	53.3	51.0	38.8		
Suppression Chamber	Sv/h								1.66	1.62	1.45	1.5	1.31		

Note 5: Time of temperatures 2:20

Note 6: Feedwater nozzle temperature reading under survey

Note 7: 240 to 250 l/hr

Note 8: "measurement instrument malfunction"

Notes:

NISA News releases started reported gage pressure, then converted readings to absolute pressure. NISA separate parameter tables report gage pressure. Conversion in this table in BLUE.

Standard atmospheric pressure = 101.325 kPa = 0.101325 Mpa
Absolute pressure = 0.101325 MPa + 0.06 MPa = 0.161325 Mpa

Plant Parameters: Unit 3

Revision 4/09/2011 (11:30 a.m. EST)

Source: NISA Press Releases

	Unit	3/26 5:05	3/26 7:00	3/26 10:00	3/26 11:15	3/26 18:00	3/27 4:45	3/27 10:10	3/27 14:00	3/28 5:30	3/28 10:30	3/28 20:32	3/29 4:45	3/29 12:00	3/29 14:39
RPV Injection.....Water Source	Salt/Fresh		Fresh			Fresh			Fresh			Fresh			Fresh
via Feed Water Line	L/min														
via Fire Extinguishing Line	L/min		230			220			210			200			116
via Fire Extinguishing Line	m3/h														
RPV Level															
Fuel Range A	mm	-1850		-1800	-1850		-1850	-1900		-1900	-1850		-1900	-1850	
Fuel Range B	mm	-2300		-2300	-2300		-2300	-2300		-2300	-2250		-2300	-2250	
RRV Pressure (see note)															
Channel A	MPa g	0.038		0.038	0.038		0.029	0.032		0.029	0.025		0.034	0.029	
Channel B	MPa g														
Channel C	MPa g	-0.101		-0.101	-0.101		-0.099	-0.099		-0.090	-0.095		-0.090	-0.095	
Channel A	MPa abs	0.139		0.139	0.139		0.130	0.133		0.130	0.126		0.135	0.130	
Channel B	MPa abs														
Channel C	MPa abs	0.000		0.000	0.000		0.002	0.002		0.011	0.006		0.011	0.006	
Drywell Pressure	MPa abs	0.1069		0.1066	0.1068		0.1073	0.1076		0.1083	0.1076		0.1085	0.1075	
Suppression Chamber Pressure	MPa abs	0.1848		0.1839	0.1836		0.1804	0.1806		0.1794	0.1792		0.1792	0.1796	
RPV Temperature		Note 6		Note 6	Note 6		Note 6	Note 6		Note 6			Note 6	Note 6	
Feedwater Nozzle Temp	C	26.1		37.6	33.7		-1.7	13.6		38			61.5	62.2	
RPV Bottom Head Temp	C	102.5		106.1	100.4		106.8	121.6		123.0			120.9	121.1	
Containment Atm Monitoring System															
Drywell	Sv/h	36.6		36.1	36.1		34.2	33.7		31.5			29.2	28.6	
Suppression Chamber	Sv/h	1.41		1.4	1.4		1.34	1.31		1.24			1.18	1.16	

Notes:

NISA News releases started reported gage pressure, then converted readings to absolute pressure. NISA separate parameter tables report gage pressure. Conversion in this table in BLUE.

Standard atmospheric pressure = 101.325 kPa = 0.101325 Mpa
Absolute pressure = 0.101325 MPa + 0.06 MPa = 0.161325 Mpa

Plant Parameters: Unit 3

Revision 4/09/2011 (11:30 a.m. EST)

Source: NISA Press Releases	Unit	3/30 3:50	3/30 13:30	3/31 4:40	3/31 9:40	4/1 5:45	4/1 11:45	4/2 1:30	4/2 12:10	4/3 2:30	4/3 10:30	4/3 12:18	4/3 17:32	4/4 3:30	4/4 9:30
RPV Injection.....Water Source	Salt/Fresh											Fresh	Fresh		
via Feed Water Line	L/min														
via Fire Extinguishing Line	L/min														
via Fire Extinguishing Line	m3/h											8	7		
RPV Level															
Fuel Range A	mm	-1850	-1850	-1900	-1850	-1900	-1900	-1850	-1850	-1850	-1850			-1800	-1800
Fuel Range B	mm	-2250	-2250	-2300	-2250	-2250	-2250	-2250	-2250	-2250	-2250			-2250	-2250
RRV Pressure (see note)															
Channel A	MPa g	0.023	0.018	0.020	0.016	0.018	0.016	0.025	0.014	0.011	0.011			0.007	0.005
Channel B	MPa g														
Channel C	MPa g	-0.092	-0.095	-0.09	-0.092	-0.086	-0.088	-0.086	-0.095	-0.088	-0.083			-0.081	-0.083
Channel A	MPa abs	0.124	0.119	0.121	0.117	0.119	0.117	0.126	0.115	0.112	0.112			0.108	0.106
Channel B	MPa abs														
Channel C	MPa abs	0.009	0.006	0.011	0.009	0.015	0.013	0.015	0.006	0.013	0.018			0.020	0.018
Drywell Pressure	MPa abs	0.1071	0.1064	0.1073	0.1066	0.1071	0.1068	0.1055	0.1050	0.1061	0.1062			0.1073	0.1069
Suppression Chamber Pressure	MPa abs	0.1780	0.1775	0.1764	0.1755	0.1755	0.1757	0.1748	0.1748	0.1748	0.1750			0.1754	0.1757
RPV Temperature			Note 6	Note 6	Note 6	Note 6	Note 6	Note 6	Note 6	Note 6	Note 6			Note 6	Note 6
Feedwater Nozzle Temp	C	75.3	76.7	88.5	88.6	92.6	90.2	90.8	92.3	90.6	90.6			89.8	90.0
RPV Bottom Head Temp	C	116	115.4	114.2	114.4	116.3	117.8	119.4	117.8	115.9	114.3			114.1	113.7
Containment Atm Monitoring System															
Drywell	Sv/h	27.6	26.8	25.7	25.4	24.5	24.2	24.0	23.2	22.2	21.7			21.5	21.1
Suppression Chamber	Sv/h	1.11	1.09	1.05	1.04	1.00	0.98	0.955	0.935	0.911	0.897			0.871	0.864

Notes:

NISA News releases started reported gage pressure, then converted readings to absolute pressure. NISA separate parameter tables report gage pressure. Conversion in this table in BLUE.

Standard atmospheric pressure = 101.325 kPa = 0.101325 Mpa
Absolute pressure = 0.101325 MPa + 0.06 MPa = 0.161325 Mpa

Plant Parameters: **Unit 3**							
Revision 4/09/2011 (11:30 a.m. EST)							
Source: NISA Press Releases	Unit	4/5	4/5	4/6	4/6		
		5:40	10:20	0:00	12:30		
RPV Injection.....Water Source	Salt/Fresh						
via Feed Water Line	L/min						
via Fire Extinguishing Line	L/min						
via Fire Extinguishing Line	m3/h						
RPV Level							
Fuel Range A	mm	-1850	-1850	-1850	-1800		
Fuel Range B	mm	-2250	-2250	-2250	-2200		
RRV Pressure (see note)							
Channel A	MPa g	0.011	0.005	0.009	0.005		
Channel B	MPa g						
Channel C	MPa g	-0.081	-0.083	-0.081	-0.086		
Channel A	MPa abs	0.112	0.106	0.110	0.106	0.101	0.101
Channel B	MPa abs						
Channel C	MPa abs	0.020	0.018	0.020	0.015	0.101	0.101
Drywell Pressure	MPa abs	0.1078	0.1071	0.1069	0.1069		
Suppression Chamber Pressure	MPa abs	0.1733	0.1733	0.1733	0.1731		
RPV Temperature		Note 6	Note 6	Note 6	Note 6		
Feedwater Nozzle Temp	C	84.7	84.7	84.4	78.8		
RPV Bottom Head Temp	C	113.7	114.1	114.1	115.0		
Containment Atm Monitoring System							
Drywell	Sv/h	21.0	20.6	20.9	19.5		
Suppression Chamber	Sv/h	0.839	0.833	0.815	0.799		
Notes:							
NISA News releases started reported gage pressure, then converted readings to absolute pressure. NISA separate parameter tables report gage pressure. Conversion in this table in BLUE.							
Standard atmospheric pressure = 101.325 kPa = 0.101325 Mpa Absolute pressure = 0.101325 MPa + 0.06 MPa = 0.161325 Mpa							

From: RST08 Hoc
Sent: Saturday, April 09, 2011 5:20 AM
To: RST01 Hoc; RST06 Hoc
Subject: FINAL - Stability Document - NISA
Attachments: FINAL - Simplified Stability for Simplified Discussion with NISA.docx

As directed, the attached is for the use of the NRC Site Team in support of their briefing with the Japanese Nuclear and Industrial Safety Agency (NISA).

This version reflects the 1400 April 6th version with editorial edits (header, OUO, abbreviations, etc...)

Eva Brown, BWR Systems and Ops Analyst
Reactor Safety Team
Nuclear Regulatory Commission
(301) 816-5516

TTT-242

Simplified Stability Plant Conditions For Discussion with Nuclear and Industrial Safety Agency (NISA)

Purpose: The intent is to address the conditions (in containment, in reactors and spent fuel pools) that are required for the Fukushima Daiichi units to be considered "stable." (Phase 1 means an energetic event or a major release of radioactive materials is unlikely) However, establishing actual criteria for the Fukushima Daiichi site is under the purview of the Japanese government.

Stakeholder: Site team for sharing with NISA in support of alignment

Approval: RST Director

The condition most closely representing this analysis is in the determination as to whether an emergency condition exists. The boiling water reactor (BWR) generic severe accident management guidelines (SAMGs) indicate that the determination as to whether an emergency exists should include consideration of the nature of the event, equipment status, the effectiveness of the actions performed, the feasibility of returning to normal operations, and the possibility that conditions will degrade further. The determination is not dependent upon the status of entry conditions.

The following conditions may limit the potential for a major release or event. (Phase 1 – stable). While these conditions do not directly correspond to Emergency Action Level (EAL) classifications in the United States or International Nuclear Event Scale (INES) classifications through the International Atomic Energy Agency (IAEA), achieving these conditions could support downgrading of these classifications.

Factors – Phase 1 Stable

Principle; Plant conditions allow time to implement contingency actions or re-evacuate surrounding areas before an unanticipated condition could cause a major radioactive release.

- Goals: Establish a reliable means to;

- Remove decay heat
- Preclude detonation of primary containment atmosphere
- Maintain spent fuel pools (SFPs) subcritical, with fuel submerged for cooling and shielding
- Prevent uncontrolled radioactive releases
- Ensure structural integrity for all units (e.g. containment and spent fuel pools)

Approach

- Establish

- Containment water level to cover the reactor pressure vessel (RPV) lower head (if possible)

- Inert containment atmosphere (if possible)
- Functional and reliable power source to equipment and controls for each reactor
- Functional and reliable pumping equipment in-service to ensure adequate cooling
- Functional and clean water source of sufficient capacity to ensure continuous core cooling
- Reliable means to determine key parameters (e.g., RPV/DW level, RPV/DW pressure, etc.)
- The means for identification and containment of significant external leakage (e.g. primary containment leakage)
- Routine (schedule and amount) nitrogen make-up
- The ability to routinely fill and measure level and temperature in SFP
- SFP structural integrity
- Functional sample systems for primary containment atmosphere
- Minimal measures in place to prevent further spread of contamination (covers or resin spray)

Recognizing that the ultimate goal (Phase 2 – Stable) is to bring the Fukushima Daiichi Units to cold shutdown (i.e. subcritical k-effective <1, establishment of long-term containment, and spent fuel pool cooling, RPV water temperature < 100 degrees Celsius (°C). While these conditions do not directly correspond to EAL classifications in the United States or INES classifications through IAEA, achieving these conditions will support downgrading of these classifications.

Factors – Phase 2 Stable

- Establish:

- All equipment and systems deployed for long term plant stability can withstand a seismic event of equal magnitude to March 11, 2011.
- Long term core cooling (pumps and heat exchangers in-service) with robust pumping system installation to ensure reliable service.
- The ability to maintain water level in RPV and drywell to TAF
- Redundant power sources and pumping equipment for RPV injection
- A monitored filtered vent path from the drywell
- A reliable temperature, pressure, level and radiation monitoring instrumentation
- A Secondary containment to contain contamination and provide for a monitored filtered vent path
- Removal of salt from cores and SFPs (minimizes long term corrosion and impedance to cooling)
- Long term SFP management; water level, sub-criticality, temperature/cooling, and fuel coverage to reduce/ maintain radiation dose to within a reasonable range
- Temporary roof/cover for SFP when external spray cooling is not needed

- Eliminate:

- Leakage sources to the environment

From: RST01 Hoc
Sent: Sunday, April 10, 2011 9:39 PM
To: Thorp, John
Cc: RST06 Hoc; RST01 Hoc
Subject: FW: Timeline Actions
Attachments: Timelines.xlsx

John,

Please advise as to whether this document is final or not. If not final, please provide date of when the timeline will be complete. RST has a medium priority task (Record 4145) to send the completed timeline to the Japan Site Team.

Thanks

Kerri
RST Coordinator

From: RMTPACTSU_ELNRC [mailto:RMTPACTSU_ELNRC@ofda.gov]
Sent: Friday, April 08, 2011 4:40 PM
To: RST01 Hoc
Subject: FW: Timeline Actions

From: Garmon, David [mailto:David.Garmon@nrc.gov]
Sent: Friday, April 08, 2011 3:34 PM
To: RMTPACTSU_ELNRC
Cc: Thorp, John
Subject: FW: Timeline Actions

Leigh,

Please find the attached.

Regards,
David Garmon

NRR/DIRS/IOEB
(301) 415-3512
Office: O-7C20
Mail Stop OWFN-7C02A

TTT-243

From: Hoc, RST16
Sent: Thursday, April 07, 2011 11:25 PM
To: Garmon, David
Cc: RST01 Hoc; Hoc, RST16
Subject: Timeline Actions

Dave,

On Friday when you're done, please send a copy of the updated (with our source information) timeline to Leigh Trocine at her U.S. AID e-mail address:

I will drop a copy of the INPO timeline and a SFP timeline by your cube before I leave tonight. Please take a look and see if there is anything important we should add.

Thanks,

John

TOHOKU-Pacific Earthquake Chronology

Prepared by U.S. NRC/NRR/DIRS/IOEB

All times JST unless otherwise indicated (JST = EDT +13)

Overview of Tohoku- Pacific Earthquake Events

3/11, 14:46: NISA Emergency Preparedness HQ (Tokyo) established [NISA, 3/21]

3/11, 1903: Japanese Gov't declares state of emergency (establishment of Gov't Nuclear Emergency Response HQ and Local Emergency Response HQ) [NISA, 3/21]

3/11, 21:23: Evacuation of residents within 3km from Fukushima Dai-ichi Unit 1 Shelter-in-place for residents within 10km from Fukushima Dai'ichi Unit 1 [NISA, 3/21]

3/11: Fukushima Dai-ichi accident classified as INES Level 4 [IAEA NEWS, 3/18]

3/11, 22:46: NRC enters Monitoring Mode [NRC, 3/12]

3/11: NRC deploys team of BWR experts to U.S. Embassy in Japan [NRC, 3/12]

3/17: Helicopter crews dumping water on Fukushima Dai-ichi Unit 3 report dose of 375R/hr at 300 ft [TEPCO, 3/20]

3/17: Evacuation of residents within 20km of Fukushima Dai-ichi, shelter in place for residents within 20km - 30 km of Fukushima Dai-ichi [TEPCO, 3/17]

3/17: Visual inspection of dry casks at Fukushima Dai-ichi completed with no "abnormal situations" observed. A detailed inspection is planned. Fukushima Dai-icihas used dry casks since August 1995 [TEPCO, 3/19]

3/14, 1850: Japanese gov't formally requests technical assistance with Fukushima Dai-ichi accident [NRC, 3/14]

3/15, 11:00: Shelter-in-place for residents within 20km - 30km of Fukushima Dai-ichi [NISA, 3/21]

3/18, 15:55: TEPCO reports to NISA leakage of radioactive material inside Fukushima Dai-ichi Units 1, 2, 3 and 4 reactor building sto non-controlled area [NISA, 3/21]

3/18: Bechtel completes design for temporary emergency cooling system for Fukushima Dai-ichi [NRC RST, 3/18]

3/18: Fukushima Dai-ichi accident upgraded to INES Level 5 [IAEA NEWS, 3/18]

3/18: Fukushima Dai-ni loss of heat sink classified as INES Level 3 [IAEA, 3/18]

3/18: NRC issues IN 2011-05 [NRC, 3/18]

3/23: NRC Issues TI 2515/183 "Followup to Fukushima Daiichi Nuclear Station Fuel Damage Event" [NRC, 3/23]

11-Mar | 12-Mar | 13-Mar | 14-Mar | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | 22-Mar | 23-Mar | 24-Mar

3/14: NRC deploys additional BWR experts to U.S. Embassy in Japan [NRC, 3/14]

3/12, 05:44: Evacuation of residents within 10km of Fukushima Dai'ichi [NISA, 3/21]

3/12, 07:45: Evacuation of residents within 3km of Fukushima Dai-ni Shelter in place for residents within 3km - 10km of Fukushima Dai-ni [NISA, 3/21]

3/12, 17:39: Evacuation of residents within 10km of Fukushima Dai-ni [NISA, 3/21]

3/12, 18:25: Evacuation of residents within 20km

3/15: Japanese gov't accepts DOE Radiolocal Assistance Program (RAP) team assistance, which includes aerial measuring system flyovers [NRC Japan Team]

3/16: INPO Issues Level 1 Event Report to U.S. Licensees [NEI Fact Sheet]

3/16: NRC recommends U.S. citizens evacuate area within 50 miles of Fukushima Dai-ichi [NRC, 3/16]

3/19: Gov't/Industry Team Meeting: INPO, GE Hitachi, Bechtel, AREVA, Exelon, EPRI, Babcock and Wilcox, DOE, Naval Reactors, NRC [NRC RST, 3/19]

3/19: Consular team finishes door-to-door search for U.S. citizens in Sendai [NRC Japan Team, 3/19]

3/19: Japanese Ministry of Defense (MOD) reported to take lead in accident response activities; TEPCO would retain advisory role

3/21: Temporary cooling equipment shipments arrive subsequent shipments arrive 23 and 24 Mar [NRC RST, 3/21]

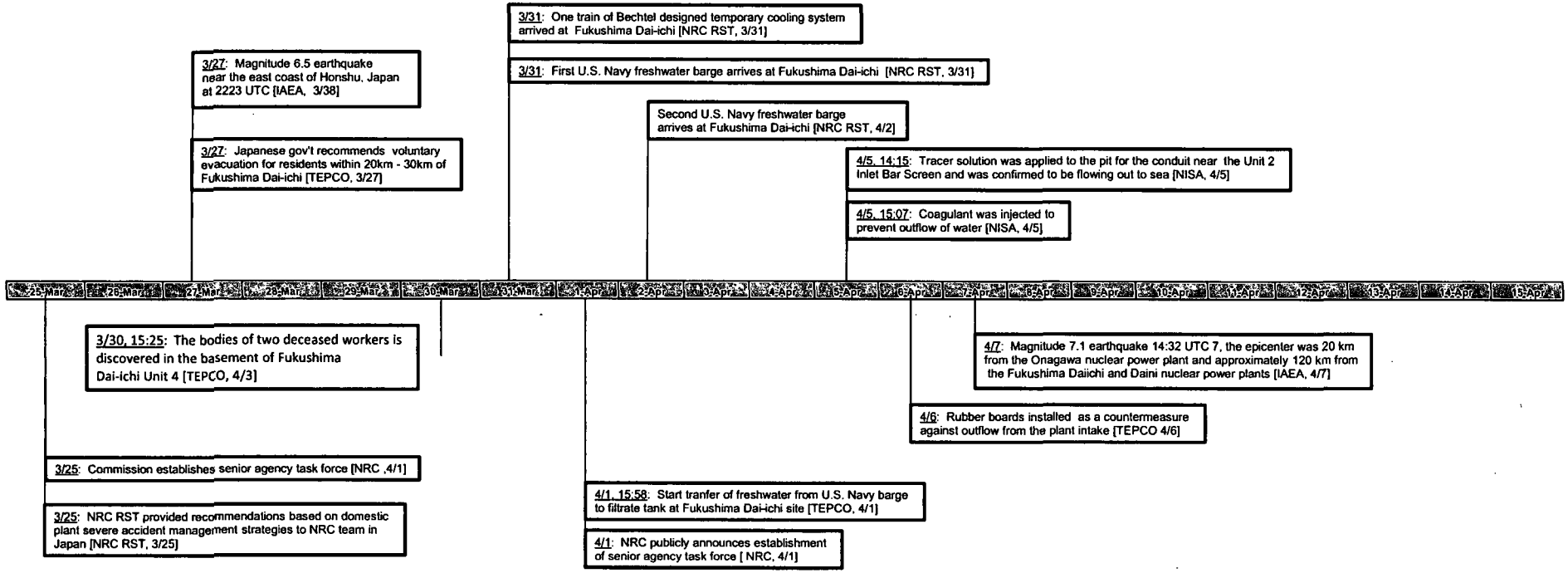
3/21: Commission Meeting [NRC, 3/21]

3/21: Detected cobalt, iodine and cesium from in seawater around discharge canal of Unit 1, 2, 3 and 4 [TEPCO, 3/22]

3/21: Unit 1, 2 and 3 cores assessed to be damaged by NISA based on Cesium and Iodine detected through environmental monitoring [NISA, 3/21]

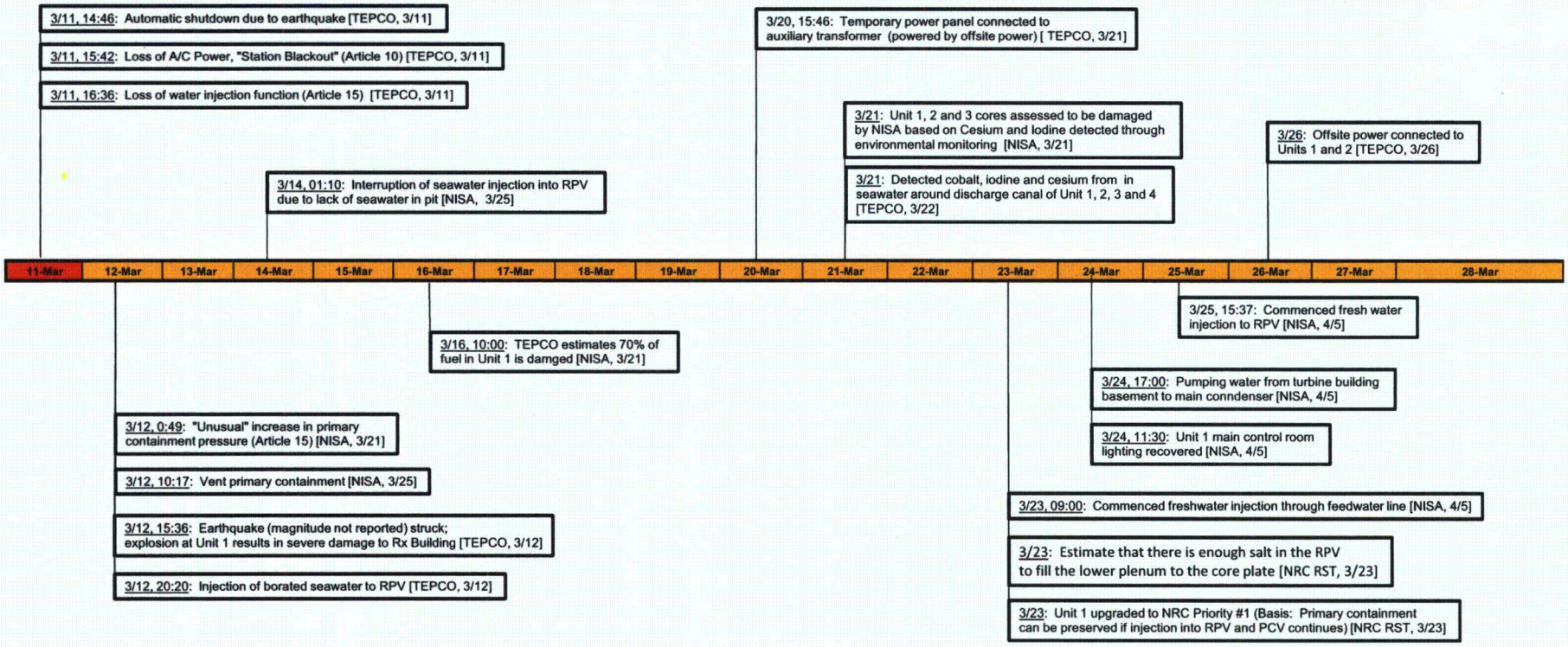
All times JST unless otherwise indicated (JST = EDT +13)

Overview of Tohoku- Pacific Earthquake Events



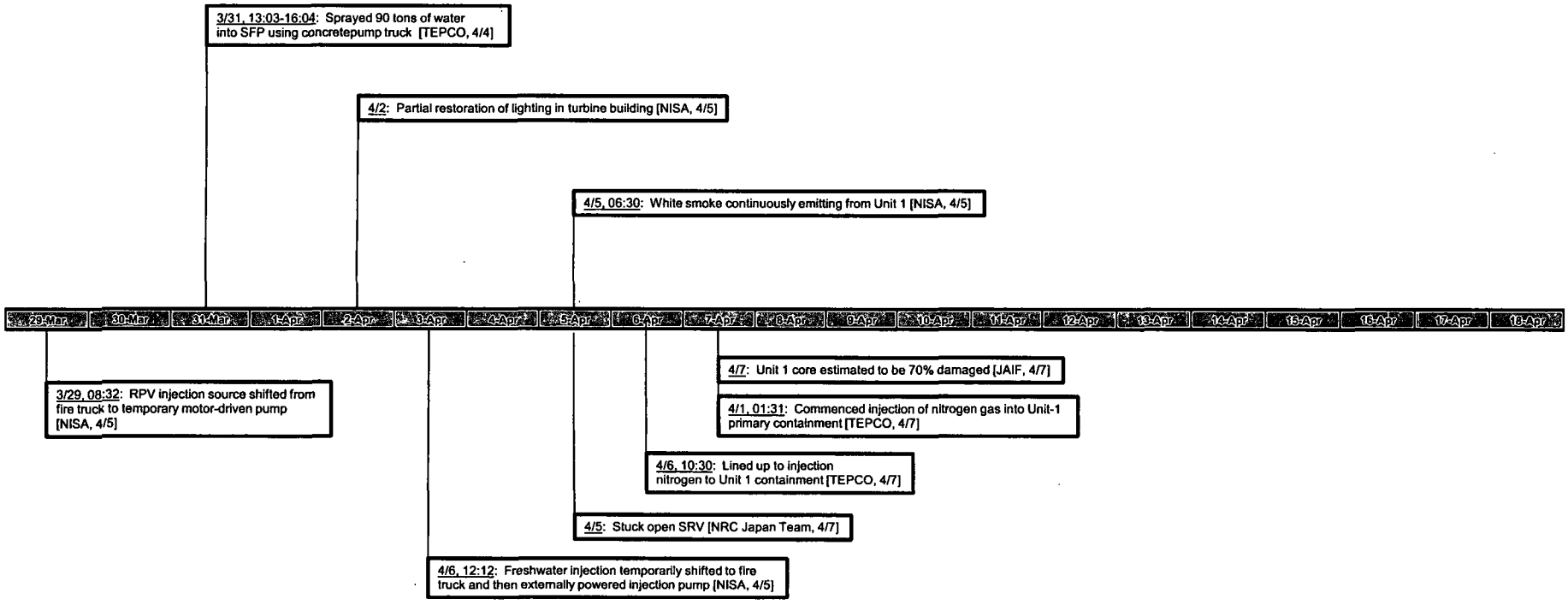
All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 1
Summary of Events



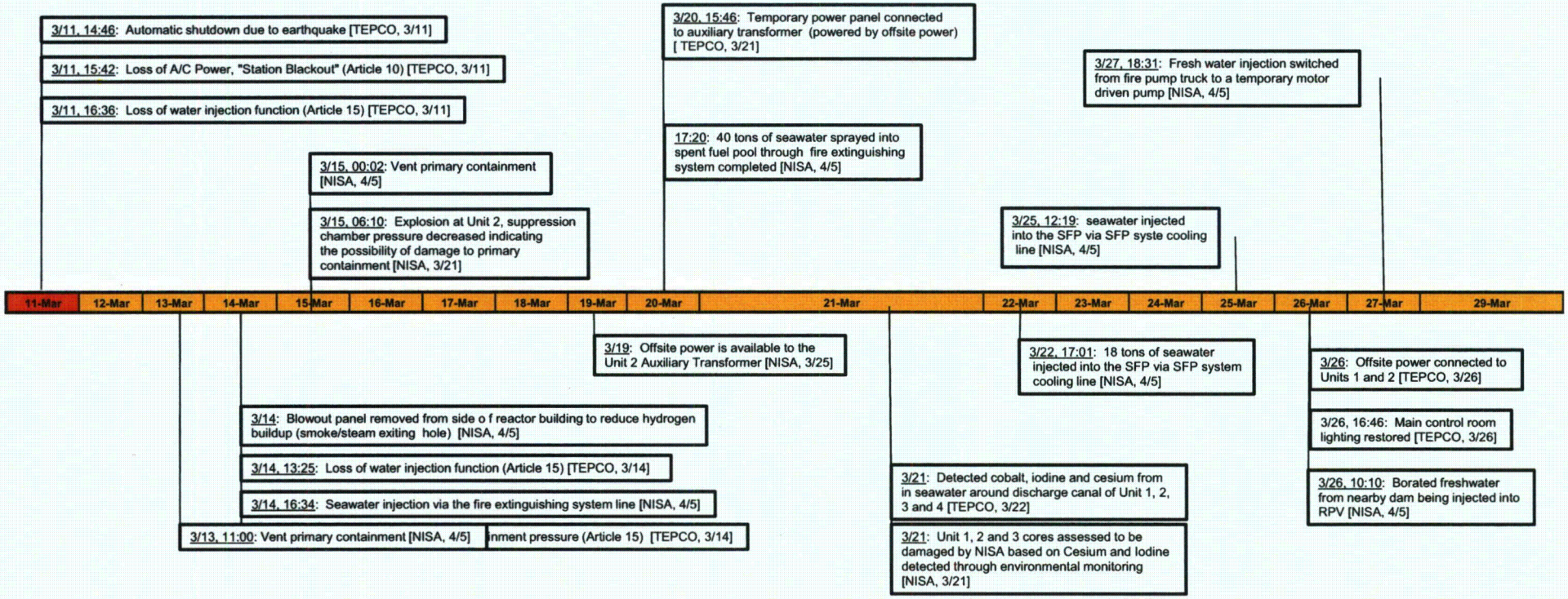
All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 1
Summary of Events



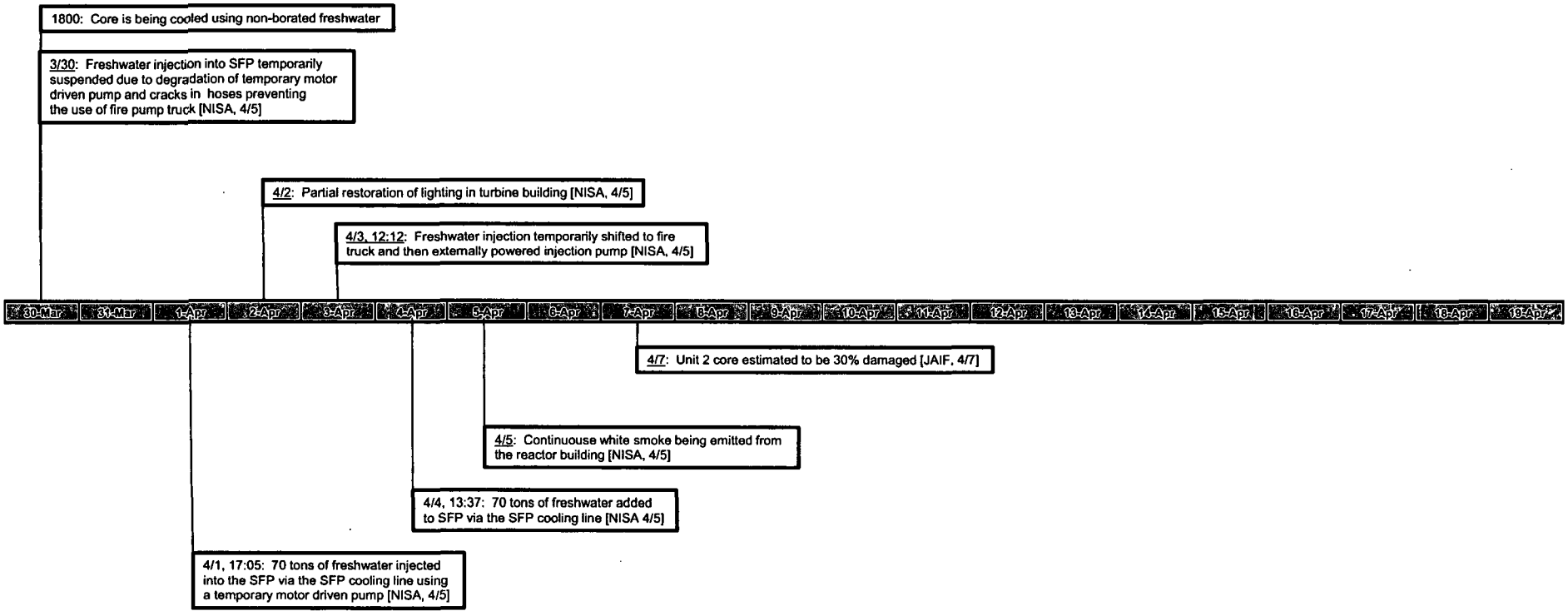
All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 2
Summary of Events



All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 2
Summary of Events



All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 3
Summary of Events

3/11, 14:46: Automatic shutdown due to earthquake [TEPCO, 3/11]

3/11, 15:42: Loss of A/C Power, "Station Blackout" (Article 10) [TEPCO, 3/11]

3/13, 05:10: Loss of water injection function (Article 15) [NISA, 3/21]

3/13, 08:41: Start venting primary containment [NISA, 4/5]

3/13, 11:55: Start freshwater injection via fire extinguishing line

3/13, 13:12: Start seawater injection via fire extinguishing line

3/18, 14:45: Water spray from high-pressure water cannon trucks (U.S. military and Self-Deefense Force) [NISA, 4/5]

3/20, 03:40: Water spray from high-pressure water cannon trucks (Hyper Rescue Unit of Tokyo Fire Depart.), (19-20 Mar) [NISA, 4/5]

3/24: 3 worker laying electrical cables were exposed to 170 mSv (17 R), they were treated at a local hospital and released on 28 Mar [TEPCO, 4/4]

3/25, 18:02: Shift to freshwater injection from temporarymotor driven pump [NISA, 4/5]

11-Mar | 12-Mar | 13-Mar | 14-Mar | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar

3/23, 13:20: 35 tons of seawater injected into SFP via the SFP cooling line [NISA, 4/5]

3/17: Water discharge by Self-Defense Force helicopter [TEPCO, 3/20]

3/17: Water spray from high-pressure water cannon trucks (local police and Self-Defense Force) [TEPCO, 3/20]

3/22, 07:11: Gray smoke turned white and continues subsiding [NISA, 4/5]

3/22, 16:00: 180 tons of water sprayed by fire truck [NISA, 4/5]

3/22, 22:43: Lighting restored to Unit 2 main control room [NISA, 4/5]

3/14, 01:10: Seawater injection interrupted due to empting of seawater pit [NISA, 4/5]

3/14, 03:20: Seawater injection restored [NISA, 4/5]

3/14, 05:20: Vent primary containment [NISA, 4/5]

3/14, 07:44: "Ununsual" increase in containment pressure (Article 15) [NISA, 3/21]

3/14, 11:01: Explosion [TEPCO, 3/14]

3/16, 08:30: White smoke emitting from Unit 3 [NISA, 4/5]

3/16, 10:45: Common control room for Units 3 and 4 evacuated due to possibility of the Unit 3 primary containment being damaged [NISA, 4/5]

3/16, 11:30: Workers return to control room; seawater injection restored [NISA, 4/5]

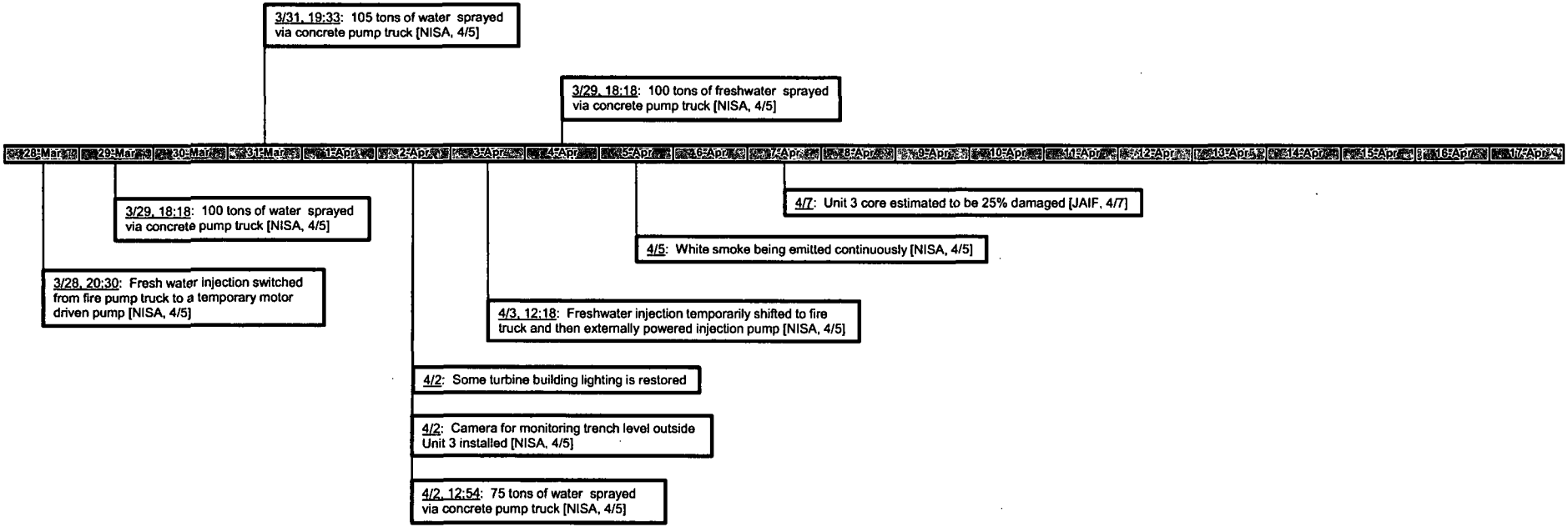
3/21, 15:55: Grayish smoke emittingfrom Unit 3; subsided by 17:55 [NISA, 4/5]

Core assessed to be damaged by NISA based on Cesium and Iodine detected through environmental monitoring

3/27, 14:36: 100 tons of water sprayed via concrete pump truck [NISA, 4/5]

All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 3
Summary of Events



All times JST unless otherwise indicated (JST = EDT +13)

Fukushima Dai-ichi (I) Unit 3
Summary of Events

18-Apr	19-Apr	20-Apr	21-Apr	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr

From: RST01 Hoc
Sent: Sunday, April 10, 2011 5:48 PM
To: Salay, Michael
Cc: RST06 Hoc; Herman, David R CIV NAVSEA, 08; RST03 Hoc
Subject: RE: Sand analysis
Attachments: RE: Sand analysis

The RST has received the attached response from NR regarding whether the documents described are releasable to NISA/TEPCO. NR believes that these documents are dated and as such should not be released. Please see the attached for further information.

Thanks

Kerri
RST Coordinator

From: Salay, Michael
Sent: Sunday, April 10, 2011 4:19 AM
To: RST01 Hoc
Subject: Sand analysis

Would you please send me the consortium's analysis on sand addition from a few weeks ago?

Would this document be releasable to NISA/TEPCO?

Does this include the analysis on the exothermic Zr Si reaction? If that is a separate document would you please send that too and would you also confirm its releasability to NISA?

We are preparing a package to provide to NISA in the event this issue comes up again.

Thank you,
Mike Salay
NRC Japan Team

TTTT-244

From:	LIA07 Hoc
To:	LIA07 Hoc
Subject:	RE: OUO -- 1200 EDT (April 12, 2011) USNRC Earthquake-Tsunami Update
Date:	Tuesday, April 12, 2011 12:01:25 PM
Attachments:	USNRC Earthquake-Tsunami Update.041211.1200EDT.pdf

---

Attached, please find a 1200 EDT, April 12, 2011, status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

As of April 11, 2011, the NRC transitioned a great portion of its response support efforts to its line organizations, requiring fewer staff at the Headquarters Operations Center. As such, we will only be issuing the status update once a day at 1200 EDT. The timing and frequency of the updates may change to support evolving needs of the NRC Site Team in Japan.

Please note that this information is "Official Use Only" and is not intended to be shared with other stakeholders without NRC approval.

Please call the NRC's Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,
Jim

Jim Anderson
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

TTTT/245

USNRC Emergency Operations Center Status Update

April 12, 2011
Earthquake / Tsunami Status Update
Compiled by Executive Briefing Team

This report includes NRC's current understanding of the ongoing situation in Japan. Historical and background information can be found in past reports.

NRC's Top Priorities

1) Continued assessment of plant and radiological conditions, dose projections, and protective action recommendations.

2) Providing technical assistance to the US Ambassador in Japan and the Japanese Government.

3) Coordination with other US Departments and Agencies, the Institute of Nuclear Power Operations (INPO), Bechtel, General Electric Hitachi (GEH), Tokyo Electric Power Company (TEPCO), and the Japanese military.

Status

At 0946 EST, March 11, 2011, the NRC entered Monitoring Mode, and the agency continues to monitor the unfolding events in Japan. In that the situation is not yet stable, NRC continues its 24 hour support in headquarters and a fully-engaged site team in Japan. During the week of April 11th, NRC will be increasing the size and adjusting the skill set of its site team to better support the work activities in Japan. On April 11, NRC will be transitioning a great portion of its response support efforts to its line organizations, resulting in a reduction in staffing at the Headquarters Operations Center. A core team of managers and experts will continue to staff the Headquarters Operations Center on a 24 hour basis.

Press releases related to the situation in Japan can be found online at: http://www.nrc.gov/reading-rm/doc-collections/news/2011/.

On March 14, 2011, the NRC experts in Japan reported that the Japanese had requested US technical assistance for cooling the Fukushima Daiichi Units, as needed. The effort to provide assistance is being coordinated by the US Ambassador.

The current protective action recommendation for US citizens residing within 50 miles (80 km) of the Fukushima Daiichi site is to evacuate.

The site team continues to work with TEPCO and NISA, providing recommendations that should improve reactor and spent fuel pool cooling.

The NRC Reactor Safety Team (RST) completed an assessment and recommendations for the Fukushima Daiichi units based on the severe accident management guidelines. The

assessment included the input and concurrence of INPO, GEH, Electric Power Research Institute EPRI), Naval Reactors, and US Department of Energy Office of Nuclear Energy (DOE/NE). This document has been provided to the NRC Site Team in Japan. The document is now being cited in the news media (New York Times). NRC is evaluating what steps may be appropriate to address an OUO document being provided to the public. An updated assessment is underway to account for current plant conditions (e.g., inerting Unit 1 drywell and status of the fuel in the Unit 2 reactor vessel).

The RST is seeking peer review of an analysis of the reactor vessel and core conditions for Unit 2.

The site team, with support from Sandia, continues its analysis of the potential for a release and time lines should a release occur.

The US DOE and the US Environmental Protection Agency are the Federal communicators for questions regarding possible domestic impacts from the events in Japan and on domestic monitoring.

The Commission established a senior-level agency task force to conduct a systematic review of NRC processes and regulations with specific near-term and long-term objectives.

Status of NRC Licensee and Agreement State Facilities

Air sample and standing water sample results from US nuclear plant licensees have been entered into a password protected database established by the Nuclear Energy Institute (NEI). NRC and Federal partners have access to the plant data.

Industry Consortium / Contractor Activities

The industry consortium is composed of government and industry representatives working to respond to Government of Japan (GoJ) requests for material and assistance. Consortium calls are held at 2000 EDT on days agreed to by the consortium.

Current Understanding of Japanese Facilities

(This information is compiled from the NRC in-country team, TEPCO press releases, Japanese Nuclear and Industrial Safety Agency (NISA) press releases, Japan Atomic Industrial Forum (JAIF) compiled data and assessments, IAEA information releases, Federation of Electric Power Companies of Japan, World Association of Nuclear Operators, DOE and others.)

Fukushima Daiichi

The Japanese national government has encouraged evacuation for local residents within the 20-30 km radius of the site boundary. This is a slight change from the previous voluntary evacuation with shelter in place for the 20-30 km zone. IAEA confirms a no-fly zone out to 30 km around the Fukushima Daiichi plant. No additional damage has been reported as a result of the April 7th magnitude 7.1 aftershock.

Japanese government announced that it is revising the emergency plans for Fukushima Daiichi to establish potential evacuation zones in case of another emergency. The Chief Cabinet Secretary indicated this is being done because plant conditions are not yet stable.

On April 11, 2011, at 0416 EDT, a 6.6 magnitude earthquake occurred near the Fukushima Daiichi site. Workers were evacuated and NISA confirmed that offsite power was lost to the site for 50 minutes. During this time, water injection pumps for Units 1, 2, and 3 were off. Power has been restored to the site. TEPCO and NISA report that there were no changes to radiation readings as a result of the loss of power. (Source: IAEA, 4/11). NRC is awaiting updated data to assess.

At approximately 0638 JST on April 12, 2011 a magnitude 6.3 aftershock was felt at the Fukushima Daiichi site and a small fire occurred in a switchboard. The fire was quickly extinguished and resulted in no impacts regarding external release of radioactive material or the efforts to cool the units. (Source: Media outlets and TEPCO 4/12)

On April 12, 2011, NISA raised the rating for the events at the Fukushima Daiichi site on the International Nuclear and Radiological Event Scale (INES) from 5, "Accident with Wider Consequences," to 7, "Major Accident," citing calculations by both NISA and the Nuclear Safety Commission of Japan (NSC) of radioactive materials released from the Fukushima Daiichi reactors. This new provisional rating considers the accidents that occurred at Units 1, 2, and 3 as a single event on INES. Previously, separate INES level 5 ratings had been applied for Units 1, 2, and 3. The provisional INES level 3 rating assigned for Unit 4 still applies. NISA notes that while an INES rating of 7 is the same as that of the Chernobyl accident, their current estimated amount of radioactive materials released is approximately 10% of the amount from the Chernobyl accident. (Source: NISA and IAEA 4/12)

STATUS as of 1200 EDT, April 12, 2011 (0100 Japan, April 13)

Unit 1 – (NRC Priority: 1)

Core Status: Estimated 70% damage (Source: TEPCO), fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). RPV level ½ TAF (NISA 4/8). The volume of sea water injected to cool the core has left enough salt to fill the lower plenum to the core plate (Source: GEH, US Industry). Vessel temperatures 119ºC at bottom drain, 216ºC at FW nozzle (Source: TEPCO 4/12). RPV pressure (Ch A: 60 psig, Ch B: 132 psig) (Source: TEPCO 4/12).

Core Cooling: Fresh water injection via fire extension line to FW line at 26.4 gpm (Source: NISA 4/9). Recirculation pump seals have likely failed (Source: GEH). Stuck open SRV (Source: Site Team, confirmed by TEPCO 4/7). Began injecting nitrogen (N_2) to drywell at 0130 Japan time on April 7 (Source: IAEA, 4/7).

Primary Containment: Damage suspected, slow leakage, DW pressure increased to 12.9 psig, torus pressure at 9.2 psig and slowly increasing from N_2 injection (Source: TEPCO 4/12).

Secondary Containment: Severely damaged (hydrogen explosion)

Spent Fuel Pool: Temperature is at 23ºC (Source: NISA 4/8, uncertain, overhead thermography). Periodic freshwater spray using concrete pump truck (Source: DOE 4/3). SFP has 292 assemblies with last transfer of 64 assemblies from reactor to SFP in March 2010 (Source: GEH 4/2).

Rad Levels: DW: 6830 R/hr (Source: NISA 4/8), Reported instrument failure (Source: INPO 4/8), Torus: 1080 R/hr (Source: TEPCO 4/12), Outside site at plant gate(s): 4 mR/hr at west gate (very slight trend downward) (Source: JAIF).

Power: On external power (Source: NISA); equipment testing in progress (Source: JAIF, NISA, TEPCO). External AC power to the Main Control Room lighting and instrument.

Unit 2 – (NRC Priority: 2)

Core Status: Estimated 30% damage (Source: TEPCO), fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). RPV Level 3/5 TAF (NISA 4/8) Bottom head temperature 208°C (Source: TEPCO 4/12), feed water nozzle temperature 166°C (Source: TEPCO 4/12). RPV pressure: Ch A: -3.3 psig, Ch B: -3.6 psig (Source: TEPCO 4/12). Stabilized at atmospheric pressure since 3/18/11 (Source: IAEA 4/9). May begin injecting nitrogen on April 20, 2011 (Source: NHK).

Core Cooling: Fresh water injecting at 30.8 gpm fire line (Source: NISA 4/10).

Primary Containment: Damage suspected (Source: JAIF, NISA, TEPCO). DW Pressure: -1.6 psig (Source: TEPCO 4/12).

Secondary Containment: Damaged (Source: JAIF, NISA, TEPCO), blowout panels removed from side of reactor building to reduce hydrogen buildup (Source: visual).

Spent Fuel Pool: Full fresh water injection continuing (Source: IAEA 4/5), fuel pool temperature 46°C (Source: TEPCO 4/12). 36 tons of water added 4/7 (Source: Site Team 4/8).

Rad Levels: DW: 2810 R/hr (Source: TEPCO 4/12); Torus 68.1 R/hr (Source: TEPCO 4/12); Outside site at plant gate(s): 4 mR/hr at west gate (very slight trend downward) (Source: JAIF). The leak of contaminated water into the ocean has been stopped (Source: Multiple Reports).

Power: On offsite power (NISA 4/3)

Unit 3 – (NRC Priority: 3)

Core Status: Estimated 25% damage (Source: TEPCO), fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). Bottom head temperature 115.6°C, FW nozzle temperature: 105.4°C (Source: TEPCO 4/12). RPV pressure Ch A: -2.8 psig, Ch B: -11.5 psig (Source: TEPCO 4/12). RPV level ~2/5 TAF (Source: NISA 4/8). Stabilized at atmospheric pressure since 3/22/11 (Source: IAEA 4/9).

Core Cooling: Freshwater injection via fire line at 30.8 gpm via temporary electrical pump (Source: NISA 4/8). Recirculation pump seals have likely failed (Source: GEH).

Primary Containment: Damage suspected. Drywell Pressure: 0.6 psig and Torus Pressure 9.8 psig (Source: TEPCO 4/12). Nitrogen injection delayed due to problems accessing equipment (Source: NHK).

Secondary Containment: Damaged (Source: JAIF, NISA, TEPCO)

Spent Fuel Pool: Low water level. Temperature 56°C estimated (Source: NISA 4/8, uncertain, overhead thermography). Freshwater injection via SF cooling system and spraying fresh water periodically into SFP (Source: IAEA 4/5). Fresh water sprayed via concrete pump on 4/8 (Source: TEPCO 4/9).

Rad Levels: DW: 1740 R/hr, Torus: 67.1 R/hr (Source: TEPCO 4/12); Outside site at plant gate(s): 4.0 mR/hr at west gate (very slight trend downward) (Source: JAIF); 100 R/hr debris outside Rx building (covered).

Power: On offsite power (NISA 4/3)

Unit 4 – (NRC Priority: 4)

Core Status: Offloaded 105 days at time of accident (Source: JAIF, NISA, TEPCO).

Core Cooling: Not necessary (Source: JAIF, NISA, TEPCO).

Primary Containment: Not applicable (Source: JAIF, NISA, TEPCO).

Secondary Containment: Severely damaged from hydrogen explosion (Source: JAIF, NISA, TEPCO).

Spent Fuel Pool: Temperature 57°C (Source: JAIF 4/7, uncertain, overhead thermography). Freshwater added via concrete pump 4/9, additional spraying as needed (Source: TEPCO 4/9).
Power: On offsite AC power (DOE 4/3)

Unit 5 – (NRC Priority: 5)
Core Status: In vessel (Source: JAIF, NISA, TEPCO), temperature 33.6°C (increasing) (Source: NISA 4/10)
Core Cooling: Functional (Source: JAIF, NISA, TEPCO)
Primary Containment: Functional (Source: JAIF, NISA, TEPCO)
Secondary Containment: Vent hole drilled in rooftop to avoid hydrogen build up (Source: JAIF, NISA, TEPCO)
Spent Fuel Pool: Fuel pool cooling functional, RHR pump repaired, temperature 35.2°C (Source: NISA 4/10)
Power: External AC power supplying the unit, diesel generators available (Source: JAIF, NISA, TEPCO).
Other: Groundwater leaking into turbine basement drain pits; being pumped into ocean (Source: TEPCO 4/5).

Unit 6 – (NRC Priority: 6)
Core Status: In vessel (Source: JAIF, NISA, TEPCO), temperature 22.3°C (Source: NISA 4/10)
Core Cooling: Functional (Source: JAIF, NISA, TEPCO)
Primary Containment: Functional (Source: JAIF, NISA, TEPCO)
Secondary Containment: Vent hole drilled in rooftop to avoid hydrogen build up (Source: JAIF, NISA, TEPCO)
Spent Fuel Pool: Fuel pool cooling functional, temperature 29.0°C (Source: NISA 4/10)
Power: External AC power supplying the unit, diesel generators available. (Source: JAIF, NISA, TEPCO)
Other: Groundwater leaking into turbine basement drain pits; being pumped into ocean (Source: TEPCO 4/5).
Common Spent Fuel Pool (NRC priority: 7): 6,000 bundles (Source: GEH); water maintained at 32°C (Source: IAEA 4/7); normal cooling started 1805 JST March 24 (Source: NISA).
Electrical Power (NRC priority: 7): Offsite power connected to Unit 2 auxiliary transformer / distribution panel; work continues on energizing equipment in Unit 2.
Dry Cask Storage: Visual inspection revealed no problems. All casks are vertical casks manufactured by Hitachi Shipbuilding (Source: RST).

The leak of contaminated water into the ocean has been stopped (Source: Multiple Reports).

NRC priorities are based on analyses by the Reactor Safety Team. Unit 1 is priority 1 based on the belief that primary containment functionality, though degraded, can still be preserved if the responders take actions to inject to the RPV and primary containment. Unit 2 is priority 2 because of the apparent damage to primary containment and the other barriers to release. This damage requires continued attention to cool the core and provide water to the primary containment to minimize potential for release. Unit 3 is priority 3 because primary containment may be nominally functional but continued attention is required to pursue core cooling and injection. Unit 4 is priority 4 because progress has been made in addressing the spent fuel pool heat removal requirements, and the SFP area has indicated temperatures of less than 100°C.

Other Plants

There was no reported impact from the April 11, 2011 earthquake on other facilities.

Protective Measures Team (PMT) Update

The PMT continues to assess available dose rate information from DOE AMS data, the US Navy, TEPCO, and MEXT.

DOE continues to take field measurements around the site. To date, over 126,000 field measurements have been taken by DOE teams.

The PMT is the point of contact for a "composite" document that takes conditions such as plant stability, radiological conditions, and local infrastructure into consideration in order to re-evaluate the current 50-mile evacuation recommendations. The PMT will vet this document through Federal partners. The lead within NRC is the Office of Nuclear Security and Incident Response (NSIR) with PMT consultation.

Through the PMT, a question from the White House on low level radioactive waste is being answered by the staff.

International Response

- The IAEA has announced that it will hold a high-level conference on preliminary lessons learned from Fukushima on June 20-24, 2011. Information is available at www.iaea.org.
- NRC has daily teleconferences with the United Kingdom's Health and Safety Executive, the Canadian Nuclear Safety Commission, and the French Nuclear Safety Authority. IAEA and Finland also participate intermittently.
- The NRC RST and PMT will have a call with Taiwan early in the week of April 11th to discuss current status and source term issues.
- An Institute of Nuclear Power Operations (INPO) staff member in Tokyo is coordinating with US Government staff at the US Embassy concerning equipment requests.

Reference

Units

1 rem (rem) = 1,000 millirem (mrem)
1 Sievert (Sv) = 1,000 milliSieverts (mSv) = 1,000,000 microsieverts (μSv)
1 rem = 0.01 Sv = 10 mSv
1 Sv = 100 rem

Reactor Abbreviations

atm – Atmosphere (unit of pressure)
DW – Drywell
FW – Feed Water
gpm – gallons per minute
RHR – Residual Heat Removal
SFP – Spent Fuel Pool
SRV – Safety Relief Valve
TAF – Top of Active Fuel
RPV – Reactor Pressure Vessel

From:	LIA07 Hoc
To:	LIA07 Hoc
Subject:	OUO -- 1200 EDT (April 14, 2011) USNRC Earthquake-Tsunami Update
Date:	Thursday, April 14, 2011 12:23:28 PM
Attachments:	USNRC Earthquake-Tsunami Update.041411.1200EDT.pdf

---

Attached, please find a 1200 EDT, April 14, 2011, status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

Please note that this information is "Official Use Only" and is not intended to be shared outside of the Federal government without NRC approval.

Please call the NRC's Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,
Jim

Jim Anderson
US Nuclear Regulatory Commission
LIA07.HOC@nrc.gov (Operations Center)

TTTT / 246

USNRC Emergency Operations Center Status Update

April 14, 2011
Earthquake / Tsunami Status Update
Compiled by Executive Briefing Team

This report includes NRC's current understanding of the ongoing situation in Japan. Historical and background information can be found in past reports.

NRC's Top Priorities

1) Continued assessment of plant and radiological conditions and protective action recommendations.

2) Providing technical assistance to the US Ambassador in Japan and the Japanese Government.

3) Coordination with other US Departments and Agencies, the Institute of Nuclear Power Operations (INPO), Bechtel, General Electric Hitachi (GEH), Tokyo Electric Power Company (TEPCO), and the Japanese military.

Status

At 0946 EST, March 11, 2011, the NRC entered Monitoring Mode, and the agency continues to monitor the unfolding events in Japan. In that the situation is not yet stable, NRC continues its 24 hour support in headquarters and a fully-engaged site team in Japan. During the week of April 11th, NRC increased the size and adjusted the skill set of its site team to better support the work activities in Japan. On April 11, NRC transitioned a great portion of its response support efforts to its line organizations, resulting in a reduction in staffing at the Headquarters Operations Center. A core team of managers and experts will continue to staff the Headquarters Operations Center on a 24 hour basis.

Press releases related to the situation in Japan can be found online at: http://www.nrc.gov/reading-rm/doc-collections/news/2011/.

On March 14, 2011, the NRC experts in Japan reported that the Japanese had requested US technical assistance for cooling the Fukushima Daiichi Units, as needed. The effort to provide assistance is being coordinated by the US Ambassador.

The current protective action recommendation for US citizens residing within 50 miles (80 km) of the Fukushima Daiichi site is to evacuate. The NRC continues to evaluate this recommendation.

The site team continues to work with TEPCO and NISA, providing recommendations that should improve reactor and spent fuel pool cooling.

To account for current plant conditions (e.g., inerting Unit 1 drywell and status of the fuel in the Unit 2 reactor vessel), the NRC Reactor Safety Team (RST) is updating an assessment and recommendations for the Fukushima Daiichi units based on the severe accident management guidelines. The initial assessment included the input and concurrence of INPO, GEH, Electric Power Research Institute EPRI), Naval Reactors, and US Department of Energy Office of Nuclear Energy (DOE/NE) and was provided to the NRC Site Team in Japan.

The RST is seeking peer review of an analysis of the reactor vessel and core conditions for Unit 2.

The site team, with support from Sandia, continues its analysis of the potential for a release and time lines should a release occur.

The US DOE and the US Environmental Protection Agency are the Federal communicators for questions regarding possible domestic impacts from the events in Japan and on domestic monitoring.

The Commission established a senior-level agency task force to conduct a systematic review of NRC processes and regulations with specific near-term and long-term objectives.

Status of NRC Licensee and Agreement State Facilities

Air sample and standing water sample results from US nuclear plant licensees have been entered into a password protected database established by the Nuclear Energy Institute (NEI). NRC and Federal partners have access to the plant data.

Industry Consortium / Contractor Activities

The industry consortium is composed of government and industry representatives working to respond to Government of Japan (GoJ) requests for material and assistance. Consortium calls are held at 2000 EDT on days agreed to by the consortium.

Current Understanding of Japanese Facilities

(This information is compiled from the NRC in-country team, TEPCO press releases, Japanese Nuclear and Industrial Safety Agency (NISA) press releases, Japan Atomic Industrial Forum (JAIF) compiled data and assessments, IAEA information releases, Federation of Electric Power Companies of Japan, World Association of Nuclear Operators, DOE and others.)

Fukushima Daiichi

The Japanese national government has encouraged evacuation for local residents in some areas within the 20-30 km of the site boundary. This is a slight change from the previous voluntary evacuation with shelter in place for the 20-30 km zone. IAEA confirms a no-fly zone out to 30 km around the Fukushima Daiichi plant. The Japanese government announced that it is revising the emergency plans for Fukushima Daiichi to establish potential evacuation zones in

case of another emergency. The Chief Cabinet Secretary indicated this is being done because plant conditions are not yet stable.

At approximately 0638 JST on April 12, 2011 a magnitude 6.3 aftershock was felt at the Fukushima Daiichi site and a small fire occurred in a switchboard. The fire was quickly extinguished and resulted in no impacts regarding external release of radioactive material or the efforts to cool the units. (Source: Media outlets and TEPCO 4/12)

On April 12, 2011, NISA raised the rating for the events at the Fukushima Daiichi site on the International Nuclear and Radiological Event Scale (INES) from 5, "Accident with Wider Consequences," to 7, "Major Accident," citing calculations by both NISA and the Nuclear Safety Commission of Japan (NSC) of radioactive materials released from the Fukushima Daiichi reactors. This new provisional rating considers the accidents that occurred at Units 1, 2, and 3 as a single event on INES. Previously, separate INES level 5 ratings had been applied for Units 1, 2, and 3. The provisional INES level 3 rating assigned for Unit 4 still applies. NISA notes that while an INES rating of 7 is the same as that of the Chernobyl accident, their current estimated amount of radioactive materials released is approximately 10% of the amount from the Chernobyl accident. (Source: NISA and IAEA 4/12)

STATUS as of 1200 EDT, April 14, 2011 (0100 Japan, April 14)

Unit 1 – (NRC Priority: 1)

Core Status: Estimated 70% damage (Source: TEPCO), fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). RPV level ½ TAF (NISA 4/8). The volume of sea water injected to cool the core has left enough salt to fill the lower plenum to the core plate (Source: GEH, US Industry). Vessel temperatures 119ºC at bottom drain, 206ºC at FW nozzle (Source: TEPCO 4/12). RPV pressure (Ch A: 61.4 psig, Ch B: 131.7 psig) (Source: TEPCO 4/12).

Core Cooling: Fresh water injection via fire extension line to FW line at 26.4 gpm (Source: NISA 4/9). Recirculation pump seals have likely failed (Source: GEH). Stuck open SRV (Source: Site Team, confirmed by TEPCO 4/7). Began injecting nitrogen (N_2) to drywell at 0130 Japan time on April 7 (Source: IAEA, 4/7).

Primary Containment: Damage suspected, slow leakage, DW pressure increased to 12.9 psig, torus pressure at 9.2 psig and slowly increasing from N_2 injection (Source: TEPCO 4/12).

Secondary Containment: Severely damaged (hydrogen explosion)

Spent Fuel Pool: Temperature is at 26ºC (Source: JAIF 4/12, uncertain, overhead thermography). Periodic freshwater spray using concrete pump truck (Source: DOE 4/3). SFP has 292 assemblies with last transfer of 64 assemblies from reactor to SFP in March 2010 (Source: GEH 4/2).

Rad Levels: DW: 6830 R/hr (Source: NISA 4/8), Reported instrument failure (Source: INPO 4/8), Torus: 1040 R/hr (Source: TEPCO 4/12), Outside site at plant gate(s): 4 mR/hr at west gate (very slight trend downward) (Source: JAIF).

Power: On external power (Source: NISA); equipment testing in progress (Source: JAIF, NISA, TEPCO).

Unit 2 – (NRC Priority: 2)

Core Status: Estimated 30% damage (Source: TEPCO), fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). RPV Level 3/5 TAF (NISA 4/8) Bottom head temperature 183.2ºC (Source: TEPCO 4/13), feed water nozzle temperature 170.1ºC (Source: TEPCO 4/12). RPV pressure: Ch A: -3.3 psig, Ch B: -2.6 psig (Source: TEPCO 4/13). Stabilized at

atmospheric pressure since 3/18/11 (Source: IAEA 4/9). May begin injecting nitrogen on April 20, 2011 (Source: NHK).

Core Cooling: Fresh water injecting at 30.8 gpm fire line (Source: Site Team 4/14).

Primary Containment: Damage suspected (Source: JAIF, NISA, TEPCO). DW Pressure: -1.6 psig (Source: TEPCO 4/13).

Secondary Containment: Damaged (Source: JAIF, NISA, TEPCO), blowout panels removed from side of reactor building to reduce hydrogen buildup (Source: visual).

Spent Fuel Pool: Full fresh water injection continuing (Source: IAEA 4/5), fuel pool temperature 45°C (Source: JAIF 4/13). 36 tons of water added 4/7 (Source: Site Team 4/8).

Rad Levels: DW: 2790 R/hr (Source: TEPCO 4/12); Torus 65.6 R/hr (Source: TEPCO 4/12); Outside site at plant gate(s): 4 mR/hr at west gate (very slight trend downward) (Source: JAIF). The leak of contaminated water into the ocean has been stopped (Source: Multiple Reports).

Power: On offsite power (NISA 4/3)

Unit 3 – (NRC Priority: 3)

Core Status: Estimated 25% damage (Source: TEPCO), fuel partially or fully exposed (Source: JAIF, NISA, TEPCO). Bottom head temperature 119.3°C, FW nozzle temperature: 96°C (Source: TEPCO 4/12). RPV pressure Ch A: -2.8 psig, Ch B: -12.5 psig (Source: TEPCO 4/12). RPV level ~2/5 TAF (Source: NISA 4/8). Stabilized at atmospheric pressure since 3/22/11 (Source: IAEA 4/9).

Core Cooling: Freshwater injection via fire line at 30.8 gpm via temporary electrical pump (Source: Site Team 4/14). Recirculation pump seals have likely failed (Source: GEH).

Primary Containment: Damage suspected. Drywell Pressure: 0.6 psig and Torus Pressure 9.8 psig (Source: TEPCO 4/12). Nitrogen injection delayed due to problems accessing equipment (Source: NHK).

Secondary Containment: Damaged (Source: JAIF, NISA, TEPCO)

Spent Fuel Pool: Low water level. Temperature 59°C estimated (Source: JAIF 4/12, uncertain, overhead thermography). Freshwater injection via SF cooling system and spraying fresh water periodically into SFP (Source: IAEA 4/5). Fresh water sprayed via concrete pump on 4/8 (Source: TEPCO 4/9).

Rad Levels: DW: 1710 R/hr, Torus: 66.1 R/hr (Source: TEPCO 4/12); Outside site at plant gate(s): 4.0 mR/hr at west gate (very slight trend downward) (Source: JAIF); 100 R/hr debris outside Rx building (covered).

Power: On offsite power (NISA 4/3)

Unit 4 – (NRC Priority: 4)

Core Status: Offloaded 105 days at time of accident (Source: JAIF, NISA, TEPCO).

Core Cooling: Not necessary (Source: JAIF, NISA, TEPCO).

Primary Containment: Not applicable (Source: JAIF, NISA, TEPCO).

Secondary Containment: Severely damaged from hydrogen explosion (Source: JAIF, NISA, TEPCO).

Spent Fuel Pool: Temperature 37°C (Source: JAIF 4/12, uncertain, overhead thermography). Freshwater added via concrete pump 4/9, additional spraying as needed (Source: TEPCO 4/9). Water level ~2.5 m above top of fuel (Source: TEPCO, uncertain). Based upon an isotopic analysis of the sampling from the spent fuel pool, TEPCO concluded that the likelihood of damaged fuel in the pool is low.

Power: On offsite AC power (DOE 4/3)

Unit 5 – (NRC Priority: 5)
Unit 5 remains in stable cold shutdown, with offsite power.

Unit 6 – (NRC Priority: 6)
Unit 6 remains in stable cold shutdown, with offsite power.

The leak of contaminated water into the ocean has been stopped (Source: Multiple Reports).

NRC priorities are based on analyses by the Reactor Safety Team. Unit 1 is priority 1 based on the belief that primary containment functionality, though degraded, can still be preserved if the responders take actions to inject to the RPV and primary containment. Unit 2 is priority 2 because of the apparent damage to primary containment and the other barriers to release. This damage requires continued attention to cool the core and provide water to the primary containment to minimize potential for release. Unit 3 is priority 3 because primary containment may be nominally functional but continued attention is required to pursue core cooling and injection. Unit 4 is priority 4 because progress has been made in addressing the spent fuel pool heat removal requirements, and the SFP area has indicated temperatures of less than 100°C.

Other Plants

There was no reported impact from the April 11, 2011 earthquake on other facilities.

Protective Measures Team (PMT) Update

The PMT continues to assess available dose rate information from DOE AMS data, the US Navy, TEPCO, and MEXT.

The PMT is the NRC Headquarters Operations Center point of contact for a "composite" document that takes conditions such as plant stability, radiological conditions, and local infrastructure into consideration in order to re-evaluate the current 50-mile evacuation recommendations. The PMT will vet this document through Federal partners. The lead within NRC is the Office of Nuclear Security and Incident Response (NSIR) with NRR Support.

The PMT is coordinating a request from NARAC to review source terms and will assign line organization staff to fulfill this request.

International Response

- The US Embassy in Japan is preparing for the return shortly of US citizens who voluntarily relocated from the Tokyo area.
- The IAEA has announced that it will hold a high-level conference on preliminary lessons learned from Fukushima on June 20-24, 2011. Information is available at www.iaea.org.
- NRC has daily teleconferences with the United Kingdom's Health and Safety Executive, the Canadian Nuclear Safety Commission, and the French Nuclear Safety Authority. IAEA and Finland also participate intermittently.
- An Institute of Nuclear Power Operations (INPO) staff member in Tokyo is coordinating with US Government staff at the US Embassy concerning equipment requests.

Reference

Units

1 rem (rem) = 1,000 millirem (mrem)
1 Sievert (Sv) = 1,000 milliSieverts (mSv) = 1,000,000 microsieverts (μSv)
1 rem = 0.01 Sv = 10 mSv
1 Sv = 100 rem

Reactor Abbreviations

atm – Atmosphere (unit of pressure)
DW – Drywell
FW – Feed Water
gpm – gallons per minute
RHR – Residual Heat Removal
SFP – Spent Fuel Pool
SRV – Safety Relief Valve
TAF – Top of Active Fuel
RPV – Reactor Pressure Vessel

From:	Harrington, Holly
To:	Brenner, Eliot
Cc:	Sullivan, Randy
Subject:	Randy Sullivan wants a correction for Inside NRC article -- how should we proceed?
Date:	Thursday, April 14, 2011 11:42:00 AM

The April 11 issue of Inside NRC says this (important issue in red):

The recommendation was made based on worst-case assumptions and very little data, including the assumption that 100% of the core in unit 2 was damaged and the containment had failed following a hydrogen explosion in that reactor building, Randy Sullivan of NRC's Office of Nuclear Security and Incident Response, NSIR, said during the meeting.

A statement by Jaczko days after the accident that the unit 4 spent fuel pool was dry was based on incomplete information about the inventory in that pool, Sullivan said.

Before making the recommendation, NRC was briefed by an official of the Tokyo Electric Power Co., or Tepco, which runs Fukushima I, he said. But "It's not clear that the person we talked to was the right person," said William Ruland, an acting deputy director at NRC's Office of Nuclear Reactor Regulation. Sullivan said Tepco may have had better information itself, but that information was not immediately shared with NRC. In addition, NRC was responding to press reports and "our inferences based on what we knew," he said. Only later did NRC learn that the unit 4 pool contained fewer spent fuel assemblies that were less densely packed than at similar ools at US reactors, Sullivan said.

There were some questions by ACRS about the Chairman's testimony, but this is what Randy actually said (according to the transcript):

MR. SULLIVAN: There was limited and 15 uncertain data, and although our assumptions here 16 don't necessarily track, we, the staff, were worried 17 about all the spent fuel pools. You know, we were 18 unaware of the low heat loading in Units 1, 2, and 3, 19 and we were aware that mitigative actions were not 20 being taken. 21 Well, we thought -- we didn't know that 22 mitigative actions were being taken. So that gave us 23 great pause. Although we didn't model four spent fuel 24 pools in trouble, it was part of the limited and uncertain data that forced this conservative and 1 prudent recommendation.

TTTT/247

From: Public Affairs Blog
To: Harrington, Holly
Subject: Posts - Themes of Japan Coverage
Date: Thursday, April 14, 2011 3:05:11 PM

Public Affairs Blog

Themes of Japan Coverage has been added

Modify my alert settings | View Themes of Japan Coverage | View Posts | Mobile View

Title: Themes of Japan Coverage

Body: While the tremendous volume of media calls related to the Japanese nuclear emergency has abated somewhat since March 11, there remains a steady stream of interest in the NRC, with some recurring themes.

OPA is looking at the themes and strategizing about ways to get our message heard, get ahead of the stories and ensure accuracy of coverage (not always a hallmark of some of the post-Japan coverage.)

A review of recent clips found these not-surprising themes:

1. A need for guarantees that a similar catastrophe is not going to happen here and a drumbeat that the NRC should do more to protect the public.
2. Concerns about the safety of spent fuel pools in general, and some interest in spent fuel pools vs dry cask storage
3. Questions about emergency planning zones – what are they, who decides, are they adequate
4. Re-examination of NRC regulations related to nuclear power plant back-up
5. The question of whether or not there should there be a moratorium on new nuclear power plants
6. Major concerns and confusion about safety thresholds for radiation
7. Some concern about NRC's independence from the nuclear power industry

Stay tuned as we use press releases, media briefings, Congressional testimony, blog posts, fact sheets, press statements and other tools to address these themes.

Holly Harrington
HQ Public Affairs

Published: 4/14/2011 2:59 PM
Approval Status: Approved
Month: April
Modified: 4/14/2011 3:01 PM
Created: 4/14/2011 3:01 PM

TTTT/248

OIP_ITServices Resource

From: Bloom, Steven
Sent: Friday, April 29, 2011 6:56 AM
To: OIP_ITServices Resource
Subject: FW: Read out from 4/29 meetings
Attachments: Meeting results 4-29.docx

From: Wittick, Brian
Sent: Friday, April 29, 2011 4:34 AM
To: Wittick, Brian; Doane, Margaret; Mamish, Nader
Cc: Abrams, Charlotte; Emche, Danielle; Schwartzman, Jennifer; Bloom, Steven; Young, Francis
Subject: Read out from 4/29 meetings

Margie,

Attached please find the results from today's meeting. Next report will be Monday from Skip.

VR/
Brian

TTTT/249

Summary – 4/29

Bannai Meeting

Skip and I met and had lunch with Bannai. While this was a holiday, Bannai had meetings today with TEPCO and was preparing to leave for the G8 in Paris. He will be presenting a lessons learned/Fukushima sequence of events presentation at the G8. Some points he made in our discussion:

- He mentioned that felt there was and still exists some friction between IAEA and Japan, but that he felt it was mostly a political show on Amano's part. With regard to the IAEA, he stated that he had been informed that there would be an NRC representative on the team and asked if we knew whom it was.
- He stated that he had been at the Fukushima site with the last IAEA team that came to Japan and he was really struck by the level of devastation.
- He said that NISA has full time inspectors at the site at TEPCO's command and control center.
- He thanked the U.S. for the robots that were provided and noted that, while Japan has many high tech robots, they are all experimental and there is little experience in using them. It was noted that there has been some very good data coming from the robots going into the high radiation zones.
- Bannai asked for a personnel list of those that have come to assist Japan since the start of the accident from the NRC, DOE, NAVY, INPO, etc. After inquiring why he wanted the information he told us that some politicians were looking for information on U.S. personnel that have come to assist. Separately, we had been forewarned by the Embassy that there was some political wrangling to use names of U.S. personnel for political purposes and to avoid providing the information. After informing him that the request was too broad, Bannai backed off the request and said that it would be ok to just provide NISA the NRC personnel who were here to assist, and maybe a number from the other agencies. Our intent is to provide NISA a stripped down list of NRC names and ask them not to distribute it outside NISA.

(54 Documents)

Group uuuu

(Records Withheld In Part)

David Decker

From: Weil, Jenny
Sent: Friday, March 11, 2011 12:00 PM
To: Powell, Amy; Shane, Raeann; Decker, David
Subject: Fw: Corrected: President Obama Receives Briefing on the Earthquake in Japan and the Tsunami Preparedness and Response Actions in the United States

Sent via BlackBerry
Jenny Weil
Congressional Affairs Officer
U.S. Nuclear Regulatory Commission
(b)(6)

From: White House Press Office <noreply@messages.whitehouse.gov>
To: Weil, Jenny
Sent: Fri Mar 11 11:56:52 2011
Subject: Corrected: President Obama Receives Briefing on the Earthquake in Japan and the Tsunami Preparedness and Response Actions in the United States

THE WHITE HOUSE
Office of the Press Secretary

FOR IMMEDIATE RELEASE
March 11, 2011

President Obama Receives Briefing on the Earthquake in Japan and the Tsunami Preparedness and Response Actions in the United States

WASHINGTON—President Obama received a briefing this morning at 9:30 a.m. in the Oval Office on the earthquake in Japan and the tsunami warnings across the Pacific from a number of senior US government officials including Homeland Security Secretary Janet Napolitano and Federal Emergency Management Agency Administrator Craig Fugate via phone, and in the Oval Office with Chief of Staff Bill Daley, Assistant to the President for Homeland Security John Brennan, National Security Advisory Tom Donilon, Deputy National Security Advisor Denis McDonough, Senior Advisor David Plouffe, Deputy Chief of Staff Alyssa Mastromonaco, National Security Staff Senior Director for Resilience Richard Reed and National Security Staff Director Asian Affairs Daniel Russel.

The senior officials provided the President with an update on the evolving situation stemming from the earthquake and subsequent tsunami that struck Japan early this morning including the actions being taken to assist U.S. states and territories that could be affected by the tsunami, as the President directed earlier this morning – as well as the work being done to be prepared to assist the people of Japan.

The US government continues to monitor the situation closely throughout the Pacific region. To support potentially impacted areas in the United States, the federal government remains in close contact and coordination with state and local officials, and stands ready to support them. The government's message to the public is simple: listen to the instructions of state and local officials. We urge everyone in the regions who could

1

be impacted to listen to a NOAA Weather Radio and their local news to monitor for updates and directions provided by their local officials.

Click HERE for a photo of the briefing.

###

Unsubscribe

The White House · 1600 Pennsylvania Avenue NW · Washington DC 20500 · 202-456-1111

David Decker

From: Weil, Jenny
Sent: Friday, March 11, 2011 9:58 AM
To: Powell, Amy; Decker, David; Shane, Raeann
Subject: FW: Federal and public communication
Attachments: 3_11_QUAKE_talk_pts2.docx

-----Original Message-----
From: Burnell, Scott
Sent: Friday, March 11, 2011 9:58 AM
To: Brenner, Eliot; Jaczko, Gregory
Cc: Screnci, Diane; Sheehan, Neil; Hannah, Roger; Ledford, Joey; Mitlyng, Viktoria; Chandrathil, Prema; Uselding, Lara; Dricks, Victor; Weil, Jenny; Weber, Michael; Harrington, Holly; McIntyre, David; Couret, Ivonne
Subject: RE: Federal and public communication

Updated with design requirement info

-----Original Message-----
From: Brenner, Eliot
Sent: Friday, March 11, 2011 9:52 AM
To: Jaczko, Gregory
Cc: Burnell, Scott
Subject: Re: Federal and public communication

Yes. Fyi: region 4 has gone top monitoring. I have directed issuance of a press release to that effect.
Eliot Brenner
Director, Office of Public Affairs
US Nuclear Regulatory Commission
Protecting People and the Environment
301 415 8200
C (b)(6)
Sent from my Blackberry

----- Original Message -----
From: Jaczko, Gregory
To: Brenner, Eliot
Sent: Fri Mar 11 09:45:32 2011
Subject: Re: Federal and public communication

Can you provide me a set of periodicallly updated set of points because I am getting calls

----- Original Message -----
From: Brenner, Eliot
To: Weber, Michael; Jaczko, Gregory
Cc: Batkin, Joshua; Mamish, Nader; Virgilio, Martin; Collins, Elmo; Leeds, Eric
Sent: Fri Mar 11 09:42:10 2011
Subject: RE: Federal and public communication

- Our talking points are distributed for use agencywide, and there is a government-wide communicators conference call in a few minutes that OPA will monitor.

0000/2

-----Original Message-----
From: Weber, Michael
Sent: Friday, March 11, 2011 9:41 AM
To: Jaczko, Gregory; Brenner, Eliot
Cc: Batkin, Joshua; Mamish, Nader; Virgilio, Martin; Collins, Elmo; Leeds, Eric
Subject: Response - Federal and public communication

We're on it. I'm in the Ops Center. We have completed Federal agency notifications and are coordinating with the NRCC.

----- Original Message -----
From: Jaczko, Gregory
To: Weber, Michael; Brenner, Eliot
Cc: Batkin, Joshua
Sent: Fri Mar 11 09:25:49 2011
Subject: Federal and public communication

I would like a written update by 10 for the status of us licensees and our best and accurate info for japan that could be distributed to public and fed family. Also I need a 1 page set of talking points with the most important points as soon as possible.

Thanks

David Decker

From: ANS.HOC@nrc.gov
Sent: Friday, March 11, 2011 7:24 PM
Subject: ACTION: Commissioner's Assistant Briefing Notification

There will be a Commissioner's Assistant Briefing given by Headquarters at 2315 EST concerning the Japan Tsunami event. Call 1-800-772-3842 approximately 5 minutes before the scheduled start time. When prompted, enter security code (b)(6) You may call 301-816-5164 at this time and follow the voice prompts if you do not wish to receive this notification from our Automatic Notification System.

44443

David Decker

From: Schmidt, Rebecca
Sent: Saturday, March 12, 2011 2:27 PM
To: Droggitis, Spiros
Cc: Powell, Amy; Riley (OCA), Timothy; Dacus, Eugene; Shane, Raeann; Decker, David
Subject: FW: Press Release: NRC in Communication
Attachments: 11-044.docx

Here is your list—add emurrie from white house to all Congressional emails. Note we added Chris Miller from Reid's office and Mary Frances from Hoyer's office

---

From: Schmidt, Rebecca
Sent: Saturday, March 12, 2011 2:13 PM
To: (b)(6)
Subject: FW: Press Release: NRC in Communication with Japanese Regulations

The NRC Legislative Affairs office has been in the Operations Center since yesterday morning. As of now, we are here around the clock through Tuesday night. We have been updating our oversight committee staffers on what we know about the situation. We have sent out both bullets and a press release. Attached is the press release sent around noon. I will also email you the bullets sent out at 10:00. We anticipate sending out emails throughout the next few days to our staffers. We will add you to our email list. Also, we are participating in the USAID 2:00 conference call with Congressional Staffers daily.

From: Schmidt, Rebecca
Sent: Saturday, March 12, 2011 12:04 PM
To: 'jeff.baran@mail.house.gov'; 'abigail.pinkele@mail.house.gov'; 'mary.neumayr@mail.house.gov'; 'david.mccarthy@mail.house.gov'; 'JohnM@mail.house.gov'; 'maryam.brown@mail.house.gov'; 'michael.beckerman@mail.house.gov'; 'chris.sarley@mail.house.gov'; 'kathy_dedrick@epw.senate.gov'; 'ruth_vanmark@epw.senate.gov'; 'annie_caputo@epw.senate.gov'; 'laura_haynes@carper.senate.gov'; 'Brian_Clifford@barrasso.senate.gov'; 'elizabeth_craddock@landrieu.senate.gov'; 'Doug_clapp@appro.senate.gov'; 'Carrie_apostolou@appro.senate.gov'; 'Taunja.berquam@mail.house.gov'; 'Rob.blair@mail.house.gov'; 'Karen.Wayland@mail.house.gov'; 'Bettina_Poirier@epw.senate.gov'; 'mary.frances.repko@mail.house.gov'; chris_miller@reid.senate.gov
Subject: FW: Press Release: NRC in Communication with Japanese Regulations

Attached for immediate release and posting.

Office of Public Affairs
US Nuclear Regulatory Commission
301-415-8200
opa.resource@nrc.gov

uuuu/4

Turilin, Andrey

From: Burritt, Arthur
Sent: Wednesday, March 16, 2011 11:06 AM
To: Cline, Leonard; DeBoer, Joseph; Douglas, Christopher; Johnson, Jonathan; Kern, Ludwig; McKenna, Philip; Patel, Amar; Raymond, William; Schroeder, Daniel; Turilin, Andrey; Welling, Blake
Subject: FW: Launch of FAQ Related to Events Occuring in Japan

Importance: High

Follow Up Flag: Follow up
Flag Status: Flagged

FYI

From: Powell, Raymond
Sent: Wednesday, March 16, 2011 9:22 AM
To: Wilson, Peter; Weerakkody, Sunil; Dentel, Glenn; Gray, Mel; Burritt, Arthur; Krohn, Paul; Jackson, Donald; Bellamy, Ronald
Subject: FW: Launch of FAQ Related to Events Occuring in Japan
Importance: High

As promised. It will be updated as questions are submitted and answered so check it every now and then.

From: Tifft, Doug
Sent: Tuesday, March 15, 2011 2:12 PM
To: Ayala, Juan; Powell, Raymond
Subject: FW: Launch of FAQ Related to Events Occuring in Japan
Importance: High

From: Nguyen, Quynh
Sent: Tuesday, March 15, 2011 1:16 PM
To: Thomas, Eric; Sigmon, Rebecca; Powell, Amy; Riley (OCA), Timothy; Browder, Rachel; Erickson, Randy; Tifft, Doug; McNamara, Nancy; Trojanowski, Robert; Woodruff, Gena; Barker, Allan; Logaras, Harral; Maier, Bill
Cc: Stone, Rebecca; Westreich, Barry; Scales, Kerby; Leeds, Eric; Boger, Bruce; Grobe, Jack; Diec, David; Deegan, George; Williams, Donna; Rini, Brett; Wittick, Brian; Andersen, James; Brenner, Eliot; Couret, Ivonne; Burnell, Scott; Harrington, Holly; Azeem, Almas; Cartwright, William; Cusumano, Victor; Heida, Bruce; Mahoney, Michael; Meighan, Sean; Nguyen, Quynh; Roquecruz, Carla; Susco, Jeremy; Titus, Brett; Valentine, Nicholee; Wertz, Trent; Bahadur, Sher; Blount, Tom; Brown, Frederick; Cheok, Michael; Evans, Michele; Galloway, Melanie; Glitter, Joseph; Givvines, Mary; Hiland, Patrick; Holian, Brian; Howe, Allen; Lee, Samson; Lubinski, John; Lund, Louise; McGinty, Tim; Nelson, Robert; Quay, Theodore; Ruland, William; Skeen, David
Subject: Launch of FAQ Related to Events Occuring in Japan
Importance: High

All,

Per Eric Leeds' request and working closely with NSIR and OPA...

The below SharePoint link is the location of our INTERNAL USE ONLY activities regarding the Japan Events and the effects on their nuclear operations. Again, NO PUBLIC RELEASE of any documents.

UUUU/5

Given lessons learned from 9-11, we want to **ensure clear, concise messages in alignment with the Chairman and focus of our safety mission in the United States.** To this end, we established this SharePoint as a centralized location to collect our questions from stakeholders and our draft responses. These draft responses will be vetted by OPA and once approved by OPA – it is OK for use by the staff to answer questions from stakeholders.

As such, please understand that, while we are doing our best to be timely with the most up-to-date information, it is more to important to ensure accurate information is being posted.

http://portal.nrc.gov/edo/nrr/NRR%20TA/FAQ%20Related%20to%20Events%20Occuring%20in%20Japan/Forms/AllItems.aspx

Note: "Chairman JaczkoQA7_031511" contains parts that are PUBLIC and additional information for NRC staff.

All correspondence to the public should be directed to our Office of Public Affairs (OPA)!

Additionally, if questions arise out of the Region, please let us know. We'll do our best to coordinate the answer and ensure that we get OPA's blessing.

Thank you for all your support during this time and understanding!

POC:
Quynh Nguyen (301) 415-5844; BlackBerry (b)(6)
Sean Meighan (301) 415-1020

From: Kammerer, Annie
To: Nelson, Robert
Cc: Roberts, Darrell; Croteau, Rick; Kennedy, Kriss; Lara, Julio; West, Steven; Shear, Gary; Ruland, William; Boger, Bruce; Meighan, Sean; Nguyen, Quynh; Gitter, Joseph
Subject: Re: Action: Seismic Q&As
Date: Thursday, March 17, 2011 2:50:37 PM
Attachments: image001.gif

Yes, we can do that, as long as OPA and the appropriate management is on-board.

I think I understand that you want us to pull a subset of our Q&As by COB tomorrow (I'm on the 3pm to 11pm, so it would be really late); presumably we'd include those which are relevant, public friendly, and ready for prime time in a (probably highly stressed) public meeting setting?

Should this be a stand alone document, or will OPA package it for us somehow? If it is to be stand alone, please advise if there is a model to follow.

Also, we do have some plant specific questions. Should we include any of those? Or keep in general? FYI- RIV has been working with us closely and I just got a set on indian point that I was just getting ready to look at. Also, we have pulled the relevant questions on IP out of the congressional letter, and are working on those answers.

I do a lot of public meetings at diablo canyon. So, I'd be basing "relevance" on my experiences out there, unless you think that is not appropriate.

Cheers,
Annie

Sent from an NRC blackberry
Annie Kammerer
(b)(6)
annie.kammerer@nrc.gov

From: Nelson, Robert
To: Kammerer, Annie
Cc: Roberts, Darrell; Croteau, Rick; Kennedy, Kriss; Lara, Julio; West, Steven; Shear, Gary; Ruland, William; Boger, Bruce; Meighan, Sean; Nguyen, Quynh; Gitter, Joseph
Sent: Thu Mar 17 14:17:58 2011
Subject: Action: Seismic Q&As

Annie:

The regions have a critical need for publicly releasable seismic info (Qs & As) to support public meetings beginning next week. We need a releasable version of your document. Can you assemble the info that you have prepared that you believe is good to go. We can then get that reviewed by OPA. Need your input tomorrow.

Robert A. Nelson
Deputy Director
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation
U.S.NRC
Protecting People and the Environment
E-mail: robert.nelson@nrc.gov | Office: (301) 415-1453 | Cell: (b)(6) | Fax: (301) 415-2102

From: Kammerer, Annie
Sent: Thursday, March 17, 2011 2:36 AM
To: Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc
Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Gitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Gitter, Joseph; Howe, Allen; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffry; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas
Subject: Seismic Q&As March 17th 2am update

All,

As promised, a sharepoint site has been set up where our friends in NRR will be posting the latest version of the Seismic

UUUU/6

Q&A document on an ongoing basis. If someone would prefer to use the sharepoint site, instead of being on this distribution list, please let me know...
http://portal.nrc.gov/edo/nrr/NRR%20TA/FAQ%20Related%20to%20Events%20Occuring%20in%20Japan/Forms/AllItems.aspx

This latest update has a number of new questions (not many with answers today, but we are working hard). A high priority question we are working on is "how many plants are near a mapped active fault". We're focusing on anything within 50 miles. We're also pulling relevant questions from the congressional inquiries we just received; and will also give these high priority to support any needs by NRR.

Many new figures and some draft fact sheets have added to the "additional information" section. These include the NRO half of a tsunami fact sheet...a description of the tsunami research is still to come from RES.

Some good news: Yesterday's version seems to have been widely forwarded around the agency. So, we are also starting to get some excellent questions from staff looking forward. This is allowing us to feel that we are finally getting out in front of things to a small degree. Also, our team has grown and we now have someone acting as source of seismic expertise for the 11pm to 7 am shift. This means that we now have seismic experts available to the RST and OPA at the Op Center 24 hours, with 2 people during the day. That extra support is allowing us to get this out at least an hour earlier today ☺

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Happy St. Paddy's Day. May the world (especially our friends in Japan) have the luck of the Irish today.

Cheers,
Annie

Dr. Annie Kammerer, PE
Senior Seismologist and Earthquake Engineer
US Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Washington DC 20555

(b)(6)

From: Kammerer, Annie
Sent: Tuesday, March 15, 2011 3:41 AM
To: Hiland, Patrick; Skeen, David
Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Giitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael
Subject: latest version of Q&As

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE
Senior Seismologist and Earthquake Engineer
US Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Washington DC 20555

(b)(6)

From: Nguyen, Quynh
To: Nelson, Robert
Cc: Boyer, Bruce; Lewis, Eric; Grobe, Jack; Meighan, Sean; Thomas, Eric
Subject: COMMAND DECISION: Sharepoint Site on the Fukushima Event
Date: Thursday, March 17, 2011 9:09:32 AM
Importance: High

Nelson,

Manage expectations? Define purpose of the site?

My fault... I gave the link to Rich Barkley and Darrell Roberts (Comm Specialist and POC in Region I).

I'm just concerned with inadvertent printing out of works in progress and the like.

Thanks,
Quynh

From: Nguyen, Quynh
Sent: Thursday, March 17, 2011 8:57 AM
To: Landau, Mindy; Barkley, Richard
Cc: Roberts, Darrell; Meighan, Sean; Dean, Bill; McNamara, Nancy; Tifft, Doug; Lew, David; Ellmers, Glenn
Subject: RE: Sharepoint Site on the Fukushima Event
Importance: High

Hold on.... I'm checking with the NRR ET, OPA, OEDO...

Of course we want the staff informed but we also don't want inadvertent info release as we have been storing work in progress that hasn't been officially blessed.

From: Landau, Mindy
Sent: Thursday, March 17, 2011 8:47 AM
To: Barkley, Richard; Nguyen, Quynh
Cc: Roberts, Darrell; Meighan, Sean; Dean, Bill; McNamara, Nancy; Tifft, Doug; Lew, David; Ellmers, Glenn
Subject: RE: Sharepoint Site on the Fukushima Event

Quynh – can we reference the cite as a resource for the entire NRC staff?

Mindy

From: Barkley, Richard
Sent: Thursday, March 17, 2011 8:45 AM
To: Nguyen, Quynh
Cc: Roberts, Darrell; Meighan, Sean; Dean, Bill; Landau, Mindy; McNamara, Nancy; Tifft, Doug; Lew, David
Subject: RE: Sharepoint Site on the Fukushima Event

Thanks very much Quynh!

From: Nguyen, Quynh
Sent: Thursday, March 17, 2011 8:31 AM
To: Barkley, Richard
Cc: Roberts, Darrell; Meighan, Sean
Subject: RE: Sharepoint Site on the Fukushima Event

http://portal.nrc.gov/edo/nrr/NRR%20TA/FAQ%20Related%20to%20Events%20Occuring%20in%20Japan/Forms/AllItems.aspx

It's important to note that there is Limited Contribute rights for document control. Only those blessed by OPA are "useable." Keep checking as we keep adding.

From: Barkley, Richard
Sent: Wednesday, March 16, 2011 5:59 PM
To: Wertz, Trent; Virgilio, Rosetta; Sheehan, Neil; Nguyen, Quynh
Subject: Sharepoint Site on the Fukushima Event
Importance: High

Word is there is a Sharepoint site on the Fukushima event that can be annexed by employees.

I can't find the link – Have any leads?? Thanks!

I promised to share it with the Region I staff.

Richard S. Barkley, PE
Nuclear & Environmental Engineer
(610) 337-5065 Work
(b)(6) Cell

Lee, Richard

From: Jimenez, Juan
Sent: Thursday, March 17, 2011 4:02 PM
To: Santiago, Patricia; Wagner, Katie
Cc: Lee, Richard
Subject: RE: Japan requests

I created a database in SharePoint (List) here:
http://portal.nrc.gov/edo/res/DSA/Shared%20Documents/JPN-Status-Request.aspx

And also here is a printable page (report) http://portal.nrc.gov/edo/res/DSA/reports/japan-requests.aspx

I spoke to Katie an hour ago and she is going to contact me when she gets out of a meeting..

-----Original Message-----
From: Santiago, Patricia
Sent: Thursday, March 17, 2011 3:40 PM
To: Wagner, Katie; Jimenez, Juan
Cc: Lee, Richard
Subject: Japan requests

Kathy and mike would like a report at the end of the day on the requests we are receiving. I am not sure but is any available today. Thx

Sent from an NRC BlackBerry
Patricia Santiago
(b)(6)

0000/8

From: LIA05 Hoc
Sent: Thursday, March 17, 2011 10:11 AM
To: Collins, Richard; Ralston, Michelle; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject: RE:

Thank you!!!

FEMA REP Liaison
NRC Operations Center
(301) 816-5187

~~******FOR OFFICIAL USE ONLY******~~
~~DO NOT RELEASE OUTSIDE OF THE FEDERAL FAMILY~~

From: Collins, Richard [mailto:Richard.Collins@dhs.gov]
Sent: Thursday, March 17, 2011 10:07 AM
To: Ralston, Michelle; LIA05 Hoc; richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject: RE:

I have just learned that the last FRPCC member representative for NASA is no longer with the agency but, I have made contact with the Executive Assistant for the Chief of Staff who is working on identifying an alternate as we speak.

Rick Collins

FEMA HQ-CC
NPD/THD/FRPCC
1800 South Bell St., Rm. 855
Arlington, VA 20598-3025
OF (202) 212-4753 (b)(6) FX (703) 305-0837

From: Ralston, Michelle [mailto:Michelle.Ralston@dhs.gov]
Sent: Thursday, March 17, 2011 9:04 AM
To: LIA05 Hoc; richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject: RE:

Who at NASA?

Respectfully,

Michelle Ralston, MS, PMP
Public Affairs, Stakeholder Outreach & Campaign Planning
Professional Services & Integration
Technological Hazards Division
Protection & National Preparedness
DHS/FEMA

0000/ 9

1800 South Bell Street, Rm. 828
Arlington, VA 22202
(202) 212-2310 desk
(b)(6)
(703) 305-0837 facsimile

From: prvs=0505f6d80=LIA05.Hoc@nrc.gov [mailto:prvs=0505f6d80=LIA05.Hoc@nrc.gov] **On Behalf Of** LIA05 Hoc
Sent: Thursday, March 17, 2011 9:03 AM
To: Ralston, Michelle; richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject: RE:

They need the contact for NASA.

FEMA REP Liaison
NRC Operations Center
(301) 816-5187

~~******FOR OFFICIAL USE ONLY******~~
~~DO NOT RELEASE OUTSIDE OF THE FEDERAL FAMILY~~

From: Ralston, Michelle [mailto:Michelle.Ralston@dhs.gov]
Sent: Thursday, March 17, 2011 8:58 AM
To: LIA05 Hoc; richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject: RE:

Rick,

Can you help with this?

Respectfully,

Michelle Ralston, MS, PMI
Public Affairs, Stakeholder Outreach & Campaign Planning
Professional Services & Integration
Technological Hazards Division
Protection & National Preparedness
DHS/FEMA
1800 South Bell Street, Rm. 828
Arlington, VA 22202
(202) 212-2310 desk
(b)(6)
(703) 305-0837 facsimile

From: prvs=0505f6d80=LIA05.Hoc@nrc.gov [mailto:prvs=0505f6d80=LIA05.Hoc@nrc.gov] **On Behalf Of** LIA05 Hoc
Sent: Thursday, March 17, 2011 8:57 AM
To: Ralston, Michelle; richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz

Cc: Kenneth.wierman@dhs.gov
Subject: RE:

Thank you for your fast response. Do we have a list of phones numbers for the members?

FEMA REP Liaison
NRC Operations Center
(301) 816-5187

~~******FOR OFFICIAL USE ONLY******~~
~~DO NOT RELEASE OUTSIDE OF THE FEDERAL FAMILY~~

From: Ralston, Michelle [mailto:Michelle.Ralston@dhs.gov]
Sent: Thursday, March 17, 2011 8:53 AM
To: LIA05 Hoc; richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject: RE:

See attached.

Respectfully,

Michelle Ralston, MS, PMI
Public Affairs, Stakeholder Outreach & Campaign Planning
Professional Services & Integration
Technological Hazards Division
Protection & National Preparedness
DHS/FEMA
1800 South Bell Street, Rm. 828
Arlington, VA 22202
(202) 212-2310 desk
(b)(6)
(703) 305-0837 facsimile

From: prvs=0505f6d80=LIA05.Hoc@nrc.gov [mailto:prvs=0505f6d80=LIA05.Hoc@nrc.gov] **On Behalf Of** LIA05 Hoc
Sent: Thursday, March 17, 2011 8:51 AM
To: richard.collins@dhs.gov; Tim Greten; Harry Sherwood; Andrew Seward; Vanessa E. Quinn; Michelle Ralston; Steve Horwitz
Cc: Kenneth.wierman@dhs.gov
Subject:

It has been requested to have a list of FEMA Contacts for the FRPCC agenices. Can you provide me the list of the FRPCC contact list for use in the NRC Operation Center?

FEMA REP Liaison
NRC Operations Center
(301) 816-5187

~~******FOR OFFICIAL USE ONLY******~~
~~DO NOT RELEASE OUTSIDE OF THE FEDERAL FAMILY~~

Dean, Bill

From: Dean, Bill
Sent: Friday, March 18, 2011 11:01 PM
To: McKinley, Raymond; Lew, David; Wilson, Peter; Weerakkody, Sunil; Henderson, Pamela; McDermott, Brian; Morris, Scott; Marshall, Jane
Subject: Re: Ready to Serve

Thanks Ray. We will see how things develop. I believe the next crew has been identified or nearly so.
Bill Dean
Regional Administrator
Region I, USNRC
Sent from NRC BlackBerry

From: McKinley, Raymond
To: Dean, Bill; Lew, David; Wilson, Peter; Weerakkody, Sunil; Henderson, Pamela; McDermott, Brian; Morris, Scott; Marshall, Jane
Sent: Fri Mar 18 21:47:40 2011
Subject: Ready to Serve

All,

Volunteering for duty to Japan or HQ at your discretion. (b)(6) (b)(6) I have attached my resume, but in a nutshell:

- Over 26 years of industry and NRC experience
- Shift Technical Advisor at Peach Bottom (BWR-3, Mark 1 Containment)
- On BWR Owner's Group for EOP/SAMG procedure development
- Spent 2 years writing Peach Bottom Station Blackout Procedures and Lead Engineer for Peach Bottom SBO source installation
- Peach Bottom Emergency Diesel Generator and Limerick Station Battery System Engineer
- Licensed SRO at Limerick
- Operator License Examiner on 3 reactor types
- Senior Emergency Response Coordinator
- Significant experience with Ingestion Pathway Outreach / Exercises and interactions with DOE / FRMAC
- Government Liaison experience in support of Ingestion Pathway Exercises
- Private pilot with Instrument Airplane Rating
- USMC infantry
- Wash windows. What else do you need done?

Ray

UUUU/10

Lee, Richard

From: Wagner, Katie
Sent: Friday, March 18, 2011 10:25 AM
To: Gibson, Kathy
Cc: Santiago, Patricia; Lee, Richard
Subject: FW: Japan requests

Kathy can we talk about the Sharepoint site for a minute? I want to make sure that it will capture the information you want in the way you want it before I populate it. Thanks! - Katie

-----Original Message-----
From: Jimenez, Juan
Sent: Thursday, March 17, 2011 4:02 PM
To: Santiago, Patricia; Wagner, Katie
Cc: Lee, Richard
Subject: RE: Japan requests

I created a database in SharePoint (List) here:
http://portal.nrc.gov/edo/res/DSA/Shared%20Documents/JPN-Status-Request.aspx

And also here is a printable page (report) http://portal.nrc.gov/edo/res/DSA/reports/japan-requests.aspx

I spoke to Katie an hour ago and she is going to contact me when she gets out of a meeting..

-----Original Message-----
From: Santiago, Patricia
Sent: Thursday, March 17, 2011 3:40 PM
To: Wagner, Katie; Jimenez, Juan
Cc: Lee, Richard
Subject: Japan requests

Kathy and mike would like a report at the end of the day on the requests we are receiving. I am not sure but is any available today. Thx

Sent from an NRC BlackBerry
Patricia Santiago
(b)(6)

0000/11

Scott, Michael

From: Scott, Michael
Sent: Friday, March 18, 2011 3:43 PM
To: Sheron, Brian
Cc: Gibson, Kathy
Subject: Fw: Effect of Salt
Attachments: image001.jpg

Richard's answer in case you have not seen it.

Sent from my NRC blackberry
Michael Scott

(b)(6)

From: Lee, Richard
To: Scott, Michael
Sent: Fri Mar 18 15:36:40 2011
Subject: FW: Effect of Salt

Mike:

Here's is the e-mail. The sharepoint site where DSA is keeping track of our stuff is:

http://portal.nrc.gov/edo/res/DSA/Shared%20Documents/JPN-Status-Request.aspx

Richard

From: Lee, Richard
Sent: Friday, March 18, 2011 1:35 PM
To: Gibson, Kathy
Cc: Wagner, Katie; Salay, Michael
Subject: RE: Effect of Salt

Kathy:

Below is a better response. It addressed not only the affects of sea water on fission products chemistry in the reactor coolant system and the spent fuel pool, but also address potential of plugging.

There do not appear to be serious downsides to the use of seawater. The Paul Scherer Institute (Switzerland) experiments have investigated effects of salt on aqueous iodine chemistry and had not seen much effect.

We see CII (Cholrine iodide) rather than I2 partitioning from salt solutions but iodine partitioning is about the same. There will be some organic iodide formation because of the organic in seawater. Seawater pH will typically be less than 7, but boration will change the pH presumably to a higher value and this will suppress iodine partitioning from the water into the gas phase. Any silver will precipitate, but in BWRs there is only fission product silver and this does not have a high yield. We can presume the seawater is saturated in carbon dioxide. This may precipitate any barium or strontium in the water as a carbonate.

Again, we do not expect a big effect such as plugging etc. There will be enhanced corrosion of the cladding and the steel, but these are very long term effects and not of particular interest now.

0000/12

I don't think we need to worry about iodine in the spent fuel pools. The fuel is old enough that we are well beyond 10 half lives for the most important iodine isotopes. The only significant iodine iodine isotope is I-129 which has a very long half life and consequently a minuscule radioactivity in comparison to other things such as noble gases and cesium.

Richard

From: Gibson, Kathy
Sent: Thursday, March 17, 2011 7:32 PM
To: Lee, Richard; Salay, Michael
Cc: Wagner, Katie
Subject: FW: Effect of Salt
Importance: High

Richard, Mike,
Do you have any info to answer this question? Effect of salt on cesium release? I'd like to respond to Brian tomorrow.

Thanks,
Kathy

Kathy Halvey Gibson
Director
Division of Systems Analysis

Kathy.Gibson@nrc.gov
(301) 251-7499 Work
(b)(6) Cell

US Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Protecting People and the Environment

From: Sheron, Brian
Sent: Thursday, March 17, 2011 6:56 PM
To: Gibson, Kathy; Scott, Michael
Cc: Uhle, Jennifer
Subject: Effect of Salt

During my meeting today with Secretary Chu, the issue of salt water injection came up. The Japanese are injection seawater into the reactors. The seawater is boiling off, leaving salt. While there are obvious questions about how salt might affect coolability of the core (clogging coolant channels, etc., a question was raised about how the salt might affect the Cesium release. Do we have any info on what the effect might be?

From: Lew, David
To: Leeds, Eric
Cc: Nelson, Robert; McCree, Victor; Dean, Bill; Pederson, Cynthia; Collins, Elmo
Subject: Re: Use this version instead
Date: Friday, March 18, 2011 6:11:51 PM

Thanks Eric. There are some good messages here. We just want to be sure everything is vetted for consistent external comms. Have a good weekend.
Sent from NRC BlackBerry

From: Leeds, Eric
To: Lew, David
Cc: Nelson, Robert; McCree, Victor; Dean, Bill; Pederson, Cynthia; Collins, Elmo
Sent: Fri Mar 18 17:52:58 2011
Subject: FW: Use this version instead

Dave –

Attached is a start at responding to the Q on 50 miles. However, we need to add information about the issues at Fukushima that specifically led us to making that decision, including the lack of confirmed information, unavailability of on the ground and overhead monitoring that we would have here in the US, uncertainty in the conditions, etc etc, which lead the agency to take a more conservative position.

We'll continue to work it and get you what we can.

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1270

From: Milligan, Patricia
Sent: Friday, March 18, 2011 5:25 PM
To: Leeds, Eric
Subject: Use this version instead

From: Milligan, Patricia
Sent: Friday, March 18, 2011 4:46 PM
To: Leeds, Eric
Subject: Fw: Seismic Q&As March 17th 2am update

Sent from my NRC Blackberry
Patricia A Milligan, CHP RPh
(b)(6)

From: Milligan, Patricia
To: Thaggard, Mark
Sent: Fri Mar 18 16:44:07 2011
Subject: Fw: Seismic Q&As March 17th 2am update

Sent from my NRC Blackberry
Patricia A Milligan, CHP RPh
(b)(6)

From: Milligan, Patricia
To: Nelson, Robert
Sent: Fri Mar 18 16:16:09 2011
Subject: Fw: Seismic Q&As March 17th 2am update

Sent from my NRC Blackberry
Patricia A Milligan, CHP RPh
(b)(6)

From: Milligan, Patricia

To: Howe, Allen
Cc: McDermott, Brian
Sent: Fri Mar 18 12:51:23 2011
Subject: RE: Seismic Q&As March 17th 2am update

Allan
Please consider the attached question for the Q&As

From: Howe, Allen
Sent: Thursday, March 17, 2011 3:43 PM
To: Doane, Margaret; Westreich, Barry; Gratton, Christopher; Boska, John; Scott, Michael; Wittick, Susan; Merzke, Daniel; Deegan, George; Williams, Kevin; Milligan, Patricia; Bajwa, Chris; Andersen, James
Subject: FW: Seismic Q&As March 17th 2am update

Current version of Q&A from Ops center.

Allen

From: Kammerer, Annie
Sent: Thursday, March 17, 2011 2:36 AM
To: Kammerer, Annie; Hiland, Patrick; Skeen, David; Case, Michael; RST01 Hoc
Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Giitter, Joseph; Howe, Allen; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael; Orders, William; Santiago, Patricia; Snodderly, Michael; Baggett, Steven; Sosa, Belkys; Davis, Roger; Franovich, Mike; Castleman, Patrick; Sharkey, Jeffry; Boska, John; Ma, John; Tegeler, Bret; Patel, Pravin; Shams, Mohamed; Morris, Scott; Brenner, Eliot; Harrington, Holly; Seber, Dogan; Ledford, Joey; Johnson, Michael; Virgilio, Martin; Holahan, Vincent; Bergman, Thomas
Subject: Seismic Q&As March 17th 2am update

All,

As promised, a sharepoint site has been set up where our friends in NRR will be posting the latest version of the Seismic Q&A document on an ongoing basis. If someone would prefer to use the sharepoint site, instead of being on this distribution list, please let me know...
http://portal.nrc.gov/edo/nrr/NRR%20TA/FAQ%20Related%20to%20Events%20Occuring%20in%20Japan/Forms/AllItems.aspx

This latest update has a number of new questions (not many with answers today, but we are working hard). A high priority question we are working on is "how many plants are near a mapped active fault". We're focusing on anything within 50 miles. We're also pulling relevant questions from the congressional inquiries we just received; and will also give these high priority to support any needs by NRR.

Many new figures and some draft fact sheets have added to the "additional information" section. These include the NRO half of a tsunami fact sheet...a description of the tsunami research is still to come from RES.

Some good news: Yesterday's version seems to have been widely forwarded around the agency. So, we are also starting to get some excellent questions from staff looking forward. This is allowing us to feel that we are finally getting out in front of things to a small degree. Also, our team has grown and we now have someone acting as source of seismic expertise for the 11pm to 7 am shift. This means that we now have seismic experts available to the RST and OPA at the Op Center 24 hours, with 2 people during the day. That extra support is allowing us to get this out at least an hour earlier today ☺

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Happy St. Paddy's Day. May the world (especially our friends in Japan) have the luck of the Irish today.

Cheers,
Annie

Dr. Annie Kammerer, PE
Senior Seismologist and Earthquake Engineer
US Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Washington DC 20555
1 (415) 307-6922 mobile
(b)(6) BB

From: Kammerer, Annie
Sent: Tuesday, March 15, 2011 3:41 AM
To: Hiland, Patrick; Skeen, David
Cc: Howe, Allen; Nelson, Robert; Stutzke, Martin; Giitter, Joseph; Rihm, Roger; McDermott, Brian; Hasselberg, Rick; Kammerer, Annie; Chokshi, Nilesh; Munson, Clifford; Cook, Christopher; Flanders, Scott; Ross-Lee, MaryJane; Brown, Frederick; Giitter, Joseph; Howe, Allen; Case, Michael; Ruland, William; Dudes, Laura; Karas, Rebecca; Ake, Jon; Munson, Clifford; Hogan, Rosemary; Uhle, Jennifer; Marshall, Michael; Uselding, Lara; Randall, John; Allen, Don; Burnell, Scott; Hayden, Elizabeth; Pires, Jose; Graves, Herman; Candra, Hernando; Murphy, Andrew; Murphy, Andrew; Pires, Jose; Hogan, Rosemary; Sheron, Brian; Dricks, Victor; Warnick, Greg; Reynoso, John; Lantz, Ryan; Markley, Michael
Subject: latest version of Q&As

All,

This is the first draft of the seismic-specific Q&As. It is pretty rough and there are many answers still missing, but people have contributed a lot and we thought it may be useful for many people trying to answer questions coming in.

We are continuing to compile the questions that come in and update the seismic Q&A document. If you have suggested changes, or want to provide missing answers, please forward them to me for compilation.

This is a living document and will be updated daily in the foreseeable future.

Annie

Dr. Annie Kammerer, PE
Senior Seismologist and Earthquake Engineer
US Nuclear Regulatory Commission
Office of Nuclear Regulatory Research
Washington DC 20555
(b)(6) mobile
BB

From: LIA06 Hoc
Sent: Saturday, March 19, 2011 5:22 AM
To: LIA11 Hoc
Subject: FW: Diagrams from Kantei
Attachments: page-0014.tif; page-0001.tif; page-0002.tif; page-0003.tif; page-0004.tif; page-0005.tif; page-0006.tif; page-0007.tif; page-0008.tif; page-0009.tif; page-0010.tif; page-0011.tif; page-0012.tif; page-0013.tif

For possible inclusion in 2pm briefing book.

Liaison Team Director
U.S. Nuclear Regulatory Commission
Operations Center

From: LIA02 Hoc
Sent: Saturday, March 19, 2011 4:46 AM
To: RST01 Hoc
Cc: LIA06 Hoc
Subject: FW: Diagrams from Kantei

FYI—please forward as needed

From: Smith, Brooke
Sent: Saturday, March 19, 2011 4:45 AM
To: HOO Hoc; Nakanishi, Tony; LIA03 Hoc; LIA02 Hoc
Subject: Fw: Diagrams from Kantei

Please find attached diagrams of Fukushima provided to Tony Nakanishi at the Kantei.
1of2

Sent from an NRC Blackberry.
Brooke G. Smith
(b)(6)

From: Brooke Smith (b)(6)
To: Smith, Brooke
Sent: Sat Mar 19 04:40:22 2011
Subject: Diagrams from Kantei

0000/14

From: Doane, Margaret
Sent: Sunday, March 20, 2011 12:25 PM
To: LIA03 Hoc
Subject: Re: Request from NRC HQ for regularly scheduled call with team in field

Karen can you please call my mobile (b)(6) Thanks.

Sent from an NRC Blackberry
Margaret Doane

From: LIA03 Hoc
To: Casto, Chuck; Smith, Brooke; Foggie, Kirk
Cc: Dorman, Dan; LIA02 Hoc; Doane, Margaret; Mamish, Nader; Fragoyannis, Nancy; Stahl, Eric
Sent: Sun Mar 20 11:26:43 2011
Subject: Request from NRC HQ for regularly scheduled call with team in field

Chuck, Brooke and Kirk,

The RST and PMT have requested that there be a daily call with your team so that we can coordinate our information, etc. What time would work best for you? And what number shall we use to call in?

Second, we are working with ADM to reserve a conference room for the team at the Okura for your work on the ground. Will update you shortly.

Cheers,

Karen

UUUU/15

From:	Smith, Brooke
Sent:	Sunday, March 20, 2011 5:44 PM
To:	LIA03 Hoc; Casto, Chuck; Foggie, Kirk
Cc:	Dorman, Dan; LIA02 Hoc; Doane, Margaret; Mamish, Nader; Fragoyannis, Nancy; Stahl, Eric
Subject:	Re: Request from NRC HQ for regularly scheduled call with team in field

Hi. I will work to coordianate the requested call and will call on when I get to the Embassy this morning. As for the conference room at the hotel, we see no need for one at this time. Thanks and talk to you soon.

Sent from an NRC Blackberry.
Brooke G. Smith
(b)(6)

From: LIA03 Hoc
To: Casto, Chuck; Smith, Brooke; Foggie, Kirk
Cc: Dorman, Dan; LIA02 Hoc; Doane, Margaret; Mamish, Nader; Fragoyannis, Nancy; Stahl, Eric
Sent: Sun Mar 20 11:26:43 2011
Subject: Request from NRC HQ for regularly scheduled call with team in field

Chuck, Brooke and Kirk,

The RST and PMT have requested that there be a daily call with your team so that we can coordinate our information, etc. What time would work best for you? And what number shall we use to call in?

Second, we are working with ADM to reserve a conference room for the team at the Okura for your work on the ground. Will update you shortly.

Cheers,

Karen

UUUU/16

From: Taylor, Robert
Sent: Monday, March 21, 2011 2:10 PM
To: LIA03 Hoc
Subject: RE: contact information

For Robert Taylor:

(b)(6)

From: LIA03 Hoc
Sent: Monday, March 21, 2011 2:08 PM
To: Taylor, Robert; Jackson, Todd; Miller, Marie; Sheikh, Abdul
Cc: LIA02 Hoc
Subject: contact information

Could you please provide an emergency contact and an emergency contact number.

Thanks.

Nancy

0000'17

From: Blamey, Alan
Sent: Monday, March 21, 2011 11:14 PM
To: LIA03 Hoc; Dembek, Stephen; CountryClearance Resource
Subject: RE: Country clearance info

I have tried country clearance several time today and it will not allow me to sent the results to HQ. If you do not have a country clearance for me and need one from call me tomorrow morning about 8:00 am and I will provide the information over the phone. My US blackberry has been turned off and I will receive new blackberry in Japan.

Blackberry (b)(6) oice and PIM only)

From: LIA03 Hoc
Sent: Monday, March 21, 2011 1:20 PM
To: Scott, Michael; Blamey, Alan; Giessner, John; Taylor, Robert; Jackson, Todd; Miller, Marie; Ali, Syed; Sheikh, Abdul; Way, Ralph; Ramsey, Jack
Cc: Dembek, Stephen; LIA02 Hoc
Subject: FW: Country clearance info

See below message on country clearance.

Thanks.

Nancy

From: Dembek, Stephen
Sent: Monday, March 21, 2011 1:11 PM
To: LIA02 Hoc
Cc: LIA03 Hoc; CountryClearance Resource; RMTPACTSU_ELNRC
Subject: RE: Country clearance info

Country clearances are still needed. If it's during normal working hours, then OIP staff will do the country clearances. If travel is arranged at night or on the weekends then USAID said they would do it.

Have the travelers give the info on the website shown below to countryclearance@nrc.gov.

Steve

From: LIA02 Hoc
Sent: Monday, March 21, 2011 1:07 PM
To: Dembek, Stephen
Cc: LIA03 Hoc
Subject: Country clearance info

Steve,

Item 4 on the checklist for our Japan travelers says:

4. Country clearance cable information

Format: Format is available at OIP SharePoint (http://portal.nrc.gov/OCM/ip/travel/default.aspx)

Complete the requested items. Place of Birth should be exactly the same as shown in your passport. Include your security clearance information and follow the directions included.

0000/18

Are the travelers still required to do this even though USAID is handling all arrangements? If there is still a need for the country clearance, who should the travelers be sending the information to? This is not clear from the checklist. If no clearance is required I need to send a clarifying email to the travelers indicating that they should disregard item 4 on the checklist.

Please advise ASAP.

Thank you!

From: Sheikh, Abdul
Sent: Monday, March 21, 2011 3:01 PM
To: LIA03 Hoc
Subject: RE: contact information

(b)(6)

From: LIA03 Hoc
Sent: Monday, March 21, 2011 2:08 PM
To: Taylor, Robert; Jackson, Todd; Miller, Marie; Sheikh, Abdul
Cc: LIA02 Hoc
Subject: contact information

Could you please provide an emergency contact and an emergency contact number.

Thanks.

Nancy

UUUU/19

From: LIA02 Hoc
Sent: Monday, March 21, 2011 6:58 AM
To: LIA02 Hoc; LIA03 Hoc; Fragoyannis, Nancy; Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Smith, Brooke; Foggie, Kirk; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Stahl, Eric
Subject: TRANSITION REPORT 3/21 0700

~~OFFICIAL USE ONLY~~

TRANSITION REPORT FOR MARCH 21, 2011 0700
Jenny and Elizabeth transitioned to Charlotte and Jen S.

UPDATES DURING THIS SHIFT

- **NRC Relief Team to Japan.**
  - At 1840 on March 20, Nancy Fragoyannis spoke to Nader concerning who has responsibility for making travel arrangements/passport information for the next NRC travelers to Japan. **The 0700-1500 shift should contact Nader (on Monday, March 21) regarding the process for arranging travel for the next NRC travelers. Please respond back to all travelers with this information.**
  - **Need to contact Steve Dembek 3/21 regarding expediting passport for Jack Giessner (Region III).** He has an expired passport. He needs to know if he needs to come to DC prior to departure for Japan to obtain a current passport.
  - LIA07 added new team members to the "Liaison Japan" group email distribution group. Team members were notified as well. No further action required.

- **USG Coordination.** At approximately 1300, a call on March 21 will be scheduled between NRC (Jaczko), USAID (Lindborg), Naval Reactors (Donald), DOE (Lyons), and INPO (Ellis) concerning what USG agency will have the lead on coordinating with industry on the Japan response. At 1400, these participants will hold a call with a larger industry group. After tomorrow (March 21), this call will be held daily at 1000. This is for information only. While this call is coordinated by the federal liaison, please verify that it's been scheduled (3/21 0700-1500 shift).

- **IAEA Coordination.** NRC considered contacting the Japanese to request that IAEA assume the role of coordinator (serving as clearinghouse for information on what equipment/assistance has been sent/requested/etc.). NRC understands that a request by Japan under the Convention on Assistance and Notification is necessary. The NRC team in Japan believed this request should come directly from IAEA, not the NRC. Nancy emailed Mark Shaffer at 1931 about whether IAEA could/should do this. Mark responded that IAEA will act in the role of coordinator but that Japan has to request it under the Convention. NRC will have to determine how to proceed on this issue and loop in the Department of State legal staff as necessary (forwarded to Julie Herr).

- **France** - At the request of the PMT, at 1538 on March 20, Eric Stahl sent email to IRSN (France TSO - ctc@irsn.fr) about releasing the results of the French simulation on possible source term and plume models to NRC. French requested a call tomorrow at 1000 on March 21 to discuss. International liaison with PMT should call into +33 1 58 35 01 73.

UUUU/20

- **Daily NRC Japan Team – RST/PMT Call.** Scheduled for 0300 RST and PMT have been notified of the call and international liaison should plan on participating (Brooke and Kirk don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)

- **Conference Room.** Per Nancy's discussion with Brooke at 2015, the NRC Japan Team does not need a conference room at the hotel. Per Steve Baker's 1500 Transition, Barbara Gussack of Operations is braced to submit an actual request for a conference room once the delegation agrees they need one. Liaisons on the 0700-1500 shift should follow up with Steve Baker about cancelling the request.

- **Protective Measure Recommendation.** The Chairman participated in a conference call with several interagency stakeholders including Naval Reactors (NR) on recommendations for protective actions. A letter is being coordinated with EPA on this matter (NR's recommendations for sheltering are highly conservative, while the NRC believes that the levels are much lower than should cause enactment of protective measures).

- **Australian aircraft followup.** As of 0300 3/21 the Australian aircraft carrier of the Bechtel pumps was still grounded in Australia due to mechanical difficulties. Action: Email sent to Japan Liaison team to ask status; no response as of 0653. Morning team needs to get the status from JT and relay it to the USAID and ET as soon as possible. USAID may need to arrange alternate transport, but will only do so if plane is still grounded.

- **FOIA Request.** All emails (inbox and outbox) as of 2000 on March 20 have been sent to the "FOIA.Response" email address. In the future, the 11pm-7am shift should "dump" (send) all emails from the previous day to the FOIA email address.

FUTURE ACTIONS

- **NRC Relief Team to Japan.**
  - On March 20 at 0900, International liaisons sent out an email to the new team members requesting BB numbers, email addresses and emergency contact information. Also awaiting flight arrival times. When this information is received we need to add it to applicable spreadsheet.
  - Dosimeters need to be given to the team members and located are in drawer at LIA03 location. Regional travelers will receive their dosimetry from the Region. Note: Dosimetry should only be released directly to the travelers.
  - Brooke, Kirk and Tony have requested an additional supply of business cards be provided to them. The ADM desk has generated the cards requested but FedEx wouldn't be able to get them out until Monday with delivery Tuesday. Action: Provide to Mike Scott (RES) who is departing on Tuesday March 22. Cards are on LIA03 desk.
  - Brooke has requested that her NRC thumb drive be sent to her. It is in the drawer of station LIA03. Action: Provide to Mike Scott who is departing on Tuesday, March 22.

- **International request for information.** The Indonesian Embassy in Washington requested information on how we arrived at the 50-mile evacuation announcement. We provided some very basic information. They have followed up with a request for a phone call or meeting with NRC and their Minister-Counselor. Action: Call will occur at 5PM on Monday, March 21.

- **Radiological Data Request.** Radiological data is periodically provided by MEXT and NISA which is then interpreted and provided to the PMT. Action: On the 3/21 call with Kirk, please clarify the matter if more data is needed to meet the PMT request.

- **Industry Japan Team.** On March 20 at 1400, Karen Henderson, at request of LT Director, contacted INPO representative Randy Tropasso (b)(6) to discuss the logistics of industry representatives who may be sent to Japan. Mr. Tropasso stated that no individuals have yet been identified and that they are still evaluating what criteria/skills should be available on the team. Mr. Tropasso also noted that

they are awaiting resolution of how the US Government will organize itself to manage the team's efforts and interactions with the Japanese Government. International liaisons awaiting possible follow-up call.

- **21:30 Interagency Call.** Next call will be 3/21 at 21:30 EST.

GENERAL NOTES/REMINDERS

- Information pertinent to the team in Japan can be forwarded to new email group, "Liaison Japan," in Outlook.
- International updates must now be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- 11 PM – 7 AM shift is responsible for the summary call with Kirk and Brooke, scheduled daily at 0500 EST unless rescheduled.
- Kirk and Brooke requested that the international team to sit in on calls with the ET and Chuck to take notes and provide a short summary of what was discussed via email.
- Reminder to include names on watch bill emails and inform Brooke and Kirk when shift changes.
- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have the international call.
- Reminder to Keep Mark Shaffer in-the-loop. at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.

~~OFFICIAL USE ONLY~~

From: Miller, Marie
Sent: Monday, March 21, 2011 3:37 PM
To: LIA03 Hoc
Subject: RE: contact information

Emergency Contact Info for Marie Miller

(b)(6)

From: LIA03 Hoc
Sent: Monday, March 21, 2011 2:08 PM
To: Taylor, Robert; Jackson, Todd; Miller, Marie; Sheikh, Abdul
Cc: LIA02 Hoc
Subject: contact information

Could you please provide an emergency contact and an emergency contact number.

Thanks.

Nancy

0000/21

From: Foggie, Kirk
Sent: Tuesday, March 22, 2011 5 17 PM
To: LIA02 Hoc; Smith, Brooke
Cc: LIA03 Hoc
Subject: Re: JF Japan Request for Information

In the current situation we are able to bring laptops into the embassy without prior permission. You won't have a problem.

Kirk
Sent from Blackberry.

----- Original Message -----
From: LIA02 Hoc
To: Smith, Brooke; Foggie, Kirk
Cc: LIA03 Hoc
Sent: Tue Mar 22 15:43:04 2011
Subject: FW: JF Japan Request for Information

FYI - can you please help make sure that Mike can get permission for the laptop. Also, please note that his flight has been delayed. It is the direct flight from Dulles so at least he is not going to miss a connection.

-----Original Message-----
From: Scott, Michael
Sent: Tuesday, March 22, 2011 3:42 PM
To: LIA02 Hoc
Subject: Re: JF Japan Request for Information

In reading the info from oip, I learn that taking a laptop into embassy requires advance permission. I was issued an international laptop yesterday and don't know if permission has been obtaine for it. Can someone please check?

Also - Just fyi - I am able to email since sitting on ground at Dulles in multi-hour delay from broken plane. Sometimes the best-laid plans...

Sent from my NRC blackberry
Michael Scott
(b)(6)

----- Original Message -----
From: LIA02 Hoc
To: Liaison Japan
Cc: LIA01 Hoc; LIA03 Hoc; LIA06 Hoc
Sent: Tue Mar 22 14:24:28 2011
Subject: FW: JF Japan Request for Information

NRC Japan Team,

UUUU/22

Please see email thread below. U.S. Forces Japan is seeking information on some Fukushima specifics. We are going to encourage them to coordinate with us so that we are not making duplicative requests of the Japanese. Just a heads up in case we send you any inquiries related to this request.

Thanks,
International Liaison Desk

-----Original Message-----
From: LIA06 Hoc
Sent: Tuesday, March 22, 2011 2:09 PM
To: LIA02 Hoc; LIA11 Hoc
Subject: FW: JF Japan Request for Information
Importance: High

Clarification to RST01 email - we need to ask original email sender (Opfer) to get in touch with OST as we have been working with Japan on same type of information, and we should not duplicate efforts. Request they coordinate efforts.

Liaison Team Director
U.S. Nuclear Regulatory Commission
Operations Center

-----Original Message-----
From: RST01 Hoc
Sent: Tuesday, March 22, 2011 1:12 PM
To: LIA11 Hoc; LIA06 Hoc
Subject: JF Japan Request for Information
Importance: High

LT - Per RST Director, please re-assign this task to the NRC site team at US Embassy as part of our integrated response activities. Thanks.

-----Original Message-----
From: Opfer, Matthew D LT USN USFJ J3 [mailto: (b)(6) On Behalf Of USFJ-CAT-RCMT
Sent: Tuesday, March 22, 2011 10:42 AM
To: RST01 Hoc; na30ecc@nr.doe.gov
Cc: (b)(6)
(b)(6)
Subject: Request for Information

We need assistance for support of a bilateral meeting with the Japanese that will take place at 1300 tomorrow. They would like to discuss possible options that would allow them to better measure and assess the parameters listed below. They are looking for any reasonable ideas based on equipment that is available to that may improve their overall understanding of the integrity and status of the plant.

1. Temperature of the Reactor
a. Option #
i. Name of asset
ii. How to do it
iii. Time schedule
2. Water Level (quantity) and temperature of the spent fuel pools
a. Option #

i. Name of asset
ii. How to do it
iii. Time schedule
3. Gamma radiation levels above and surrounding the reactor
a. Option #
i. Name of asset
ii. How to do it
iii. Time schedule
4. Photograph/Examine to measure strength of building
a Option #
i. Name of asset
ii. How to do it
iii. Time schedule

Please provide any ideas that you have in this area and provide the information requested.
Thanks.

From: Jackson, Karen
Sent: Tuesday, March 22, 2011 12:32 PM
To: LIA02 Hoc; LIA03 Hoc; OST02 HOC
Subject: FW: Network Password Expired Anthony Ulses
Signed By: karen.jackson@nrc.gov

FYI – can you let Tony know this information.

...karen jackson
Emergency Response Coordinator
DPR/NSIR/USNRC
Office: 301-415-[illegible]208
Cell: (b)(6)
MS. T-4L7
e-mail: karen.jackson@nrc.gov

From: Stebler, Walter
Sent: Monday, March 21, 2011 3:13 PM
To: Jackson, Karen
Cc: Kim, Jay; Reffkin, Brian
Subject: Network Password Expired Anthony Ulses

Karen,

Anthony's password expired yesterday according to our server. He should
Still have five grace logins. We recommend that he change his own password soon.
Ctrl Alt Delete then click change password to reset while in Windows.

Thank You,

Walter Stebler

Network Operations
L3 Communications, STRATIS
U.S. Nuclear Regulatory Commission

UUUU/23

From: OST02 HOC
Sent: Wednesday, March 23, 2011 9:27 AM
To: LIA07 Hoc; LIA09 Hoc
Subject: FW: IAEA distributed documents
Attachments: Offers table 23-3-2011 - version 2_1.pdf; MHLW Press Release March 21 (English) Att on Food Concentrations.pdf; MHLW Press Release March 21 (English).pdf

---

From: HOO Hoc [mailto:HOO.Hoc@nrc.gov]
Sent: Wednesday, March 23, 2011 9:26 AM
To: HOO Hoc; LIA07 Hoc; OST01 HOC; OST02 HOC; OST03 HOC
Subject: FW: IAEA distributed documents

From: David Kenagy[SMTP:(b)(6)
Sent: Wednesday, March 23, 2011 9:24:14 AM
To: Kenagy-MainState; vince.mcclelland@nnsa.doe.gov; Rodriguez, Veronica; ann.heinrich@nnsa.doe.gov; HOO Hoc; HOO2 Hoc; Huffman, William; decair.sara@epamail.epa.gov; timothy.greten@dhs.gov; maria.marinissen@hhs.gov; (b)(6) doehqeoc@oem.doe.gov; hhs.soc@hhs.gov; james.kish@dhs.gov; HOO Hoc; Smith, Brooke; zubarevje@state.gov; shaffermr@state.gov; nitops@nnsa.doe.gov; skypektm@state.gov; (b)(6) clark.ray@epamail.epa.gov; David Kenagy
Subject: RE: IAEA distributed documents
Auto forwarded by a Rule

UUUU/24

ひと、くらし、みらいのために
厚生労働省
Ministry of Health, Labour and Welfare

Press Release

Press Release (This is provisional translation. Please refer to the original text written in Japanese.)

March 21, 2011
Policy Planning and Communication Division,
Inspection and Safety Division,
Department of Food Safety

To Press and those whom may concern,

Issuance of Instruction to restrict distribution of foods concerned, in relation to the accident at Fukushima Nuclear Power Plant

As of today 21 March 2011, Prime Minister, Mr Naoto Kan, who is Director-General of the Nuclear Emergency Response Headquarters, has issued an Instruction, in accordance with Article 20.3 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Act No. 156, 1999), addressed to Governors of Prefectures concerned, ordering restriction of distributing foods concerned produced in these prefectures.
Content of the Instruction is presented in the attachment.

<Reference>
Act on Special Measures Concerning Nuclear Emergency Preparedness
(http://www.japaneselawtranslation.go.jp/law/detail_main?id=106&vm=&re),
Article 20
(3) In addition to the instructions under the provisions of the preceding paragraph, when the director-general of the nuclear emergency response headquarters finds it especially necessary for implementing emergency response measures accurately and promptly in the emergency response measures implementation area covered by said nuclear emergency response headquarters, he/she may, within the limit necessary, give necessary instructions to the heads of the relevant designated administrative organs and the heads of the relevant designated local administrative organs, and the officials of said designated administrative organs and the officials of said designated local administrative organs to whom his/her authority has been delegated pursuant to the provisions of the preceding Article, the heads of local governments and other executive organs, designated public institutions and designated local public institutions, and nuclear operators.

(Attachment)

Instruction

21 March 2011

From Director-General of the Nuclear Emergency Response Headquarters
To Governors of Fukushima, Ibaraki, Tochigi and Gun-ma Prefectures,

Recognizing the accident occurred at the Fukushima Daiichi Nuclear Power Plant (operated by TEPCO Co. Ltd), the following order shall take place, under the authority of the Director-General of the Nuclear Emergency Response Headquarters, following Article 20.3 of the Act on Special Measures Concerning Nuclear Emergency Preparedness (Act No. 156, 1999):

Restrictive requirements shall apply to food business operators concerned not to distribute the following foods produced in the respective prefectures:

1) Spinach and Kakina harvested in Fukushima, Ibaraki, Tochigi and Gun-ma Prefectures; and
2) Fresh raw milk produced in Fukushima Prefecture.

Levels of radioactive contaminants in foods (data reported on 21 March 2011)

Note: This data sheet compiles individual test results shown in corresponding press release written in Japanese, available at http://www.mhlw.go.jp/stf/houdou/bukyoku/iyaku.html

	Press release date	Food origin		Sampling date	Food tested	Level of radioactive contaminants in food (expressed as radionuclide levels (Bq/kg)).		
		Prefecture	Area			Iodine-131	Cesium-134	Cesium-137
1	21-Mar-11	Ibaraki	Hokota-shi	19-Mar-11	spinach(hothouth cultivation)	1,500		26
2	21-Mar-11	Ibaraki	Hokota-shi	19-Mar-11	spinach(hothouth cultivation)	4,100		46
3	21-Mar-11	Chiba	Noda-shi	19-Mar-11	spinach(grown outdoor)	1,410		195.7
4	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	57	ND	ND
5	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	55	ND	ND
6	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	150	ND	ND
7	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	58	ND	ND
8	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	150	ND	ND
9	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	100	ND	ND
10	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	530	ND	ND
11	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	1,200	9.5	8.7
12	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	650	ND	5.9
13	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	630	ND	5.7
14	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	1,300	9.0	11
15	21-Mar-11	Fukushima	Kawamata-machi	20-Mar-11	raw milk	500	ND	ND
16	21-Mar-11	Fukushima	Nishigou-mura	20-Mar-11	raw milk	35	ND	ND
17	21-Mar-11	Saitama	Kumagaya-shi	20-Mar-11	spinach(grown outdoor)	1,900	84	89
18	21-Mar-11	Saitama	Kumagaya-shi	20-Mar-11	spinach(grown outdoor)	1,300	47	61
19	21-Mar-11	Saitama	Fukaya-shi	20-Mar-11	spinach(grown outdoor)	1,300	73	66
20	21-Mar-11	Saitama	Honjou-shi	20-Mar-11	spinach(hothouth cultivation)	570	27	23
21	21-Mar-11	Saitama	Honjou-shi	20-Mar-11	spinach(hothouth cultivation)	900	25	30
22	21-Mar-11	Niigata	Not known	20-Mar-11	spinach	ND		ND
23	21-Mar-11	Niigata	Not known	20-Mar-11	komatsuna	ND		ND
24	21-Mar-11	Niigata	Not known	20-Mar-11	strawberry	ND		ND
25	21-Mar-11	Ibaraki	Not known	20-Mar-11	chinese cabbage	ND		ND
26	21-Mar-11	Saitama	Not known	20-Mar-11	leek	26		ND

27	21-Mar-11	Tochigi	Not known	20-Mar-11	strawberry	9.6		ND
28	21-Mar-11	Nigata	Not known	20-Mar-11	raw milk	ND	ND	ND
29	21-Mar-11	Nigata	Not known	20-Mar-11	raw milk	ND	ND	ND
30	21-Mar-11	Nigata	Not known	20-Mar-11	raw milk	ND	ND	ND
31	21-Mar-11	Nigata	Not known	20-Mar-11	raw milk	ND	ND	ND
32	21-Mar-11	Ibaraki	Ibaraki-machi	20-Mar-11	spinach(hothouth cultivation)	4,100		96
33	21-Mar-11	Ibaraki	Namegata-shi	20-Mar-11	eschalot(hothouth cultivation)	25		ND
34	21-Mar-11	Ibaraki	Namegata-shi	20-Mar-11	macrophy(hothouth cultivation)	770		135
35	21-Mar-11	Ibaraki	Namegata-shi	20-Mar-11	trefoil(hothouth cultivation)	460		28
36	21-Mar-11	Ibaraki	Tsukubamirai-shi	20-Mar-11	tomato(hothouth cultivation)	13		2
37	21-Mar-11	Ibaraki	Tsukuba-shi	20-Mar-11	spinach(hothouth cultivation)	2,300		105
38	21-Mar-11	Ibaraki	Yachiyo-machi	20-Mar-11	chinese cabbage(grown outdoor)	18		23
39	21-Mar-11	Ibaraki	Yachiyo-machi	20-Mar-11	spinach(hotinouth cultivation)	1,600		125
40	21-Mar-11	Ibaraki	Bandou-shi	20-Mar-11	lettuce(grown outdoor)	19		11
41	21-Mar-11	Ibaraki	Bandou-shi	20-Mar-11	celery(hothouth cultivation)	16		9
42	21-Mar-11	Ibaraki	Tutiura-shi	20-Mar-11	lotus root(grown outdoor)	ND		ND
43	21-Mar-11	Ibaraki	Sakurakawa-shi	20-Mar-11	watermelon(hothouth cultivation	9		5
44	21-Mar-11	Ibaraki	Kita ibaraki-shi	20-Mar-11	fried fish Cake	ND		ND
45	21-Mar-11	Ibaraki	Kita ibaraki-shi	20-Mar-11	dry white bait	ND		4

* levels in gray-highlight exceed action levels set by the MHLW for withdrawal from markets

Levels of radioactive contaminants in foods (data reported on 20 March 2011)

Note: This data sheet compiles individual test results shown in corresponding press release written in Japanese, available at http://www.mhlw.go.jp/stf/houdou/bukyoku/iyaku.html

	Press release date	Food origin		Sampling date	Food tested	Level of radioactive contaminants in food (expressed as radionuclide levels (Bq/kg)).		
		Prefecture	Area			Iodine-131	Cesium-134	Cesium-137
1	20-Mar-11	Fukushima	Fukushima-shi	19-Mar-11	raw milk	61	ND	ND
2	20-Mar-11	Fukushima	Koriyama-shi	19-Mar-11	raw milk	30	ND	ND
3	20-Mar-11	Fukushima	Iwaki-shi	19-Mar-11	raw milk	980	ND	6.6
4	20-Mar-11	Fukushima	shirakawa-shi	19-Mar-11	raw milk	220	ND	ND
5	20-Mar-11	Fukushima	Sukagawa-shi	19-Mar-11	raw milk	18	ND	ND
6	20-Mar-11	Fukushima	Kitakata-shi	19-Mar-11	raw milk	96	ND	ND
7	20-Mar-11	Fukushima	Souma-shi	19-Mar-11	raw milk	42	ND	ND
8	20-Mar-11	Fukushima	Nihonmatu-shi	19-Mar-11	raw milk	60	ND	ND
9	20-Mar-11	Fukushima	Tamura-shi	19-Mar-11	raw milk	130	ND	ND
10	20-Mar-11	Fukushima	Minami souma-shi	19-Mar-11	raw milk	140	24	26
11	20-Mar-11	Fukushima	Date-shi	19-Mar-11	raw milk	300	5.5	7.1
12	20-Mar-11	Fukushima	Honmiya-shi	19-Mar-11	raw milk	300	ND	ND
13	20-Mar-11	Fukushima	Date-gun, Kunimi-machi	19-Mar-11	raw milk	1100	13	23
14	20-Mar-11	Fukushima	Souma-gun, Kawamata-machi	19-Mar-11	raw milk	130	5.4	4.2
15	20-Mar-11	Fukushima	Adachi-gun, Otama-mura	19-Mar-11	raw milk	11	ND	ND
16	20-Mar-11	Fukushima	Iwase-gun, Kagamiishi-machi	19-Mar-11	raw milk	77	ND	ND
17	20-Mar-11	Fukushima	Minami sizu-gun, Minami aizu-machi	19-Mar-11	raw milk	ND	ND	ND
18	20-Mar-11	Fukushima	Minami aizu-gun, Shimogou-machi	19-Mar-11	raw milk	14	ND	ND
19	20-Mar-11	Fukushima	Yama-gun, Bandai-machi	19-Mar-11	raw milk	ND	ND	ND
20	20-Mar-11	Fukushima	Yama-gun, Inawashiro-machi	19-Mar-11	raw milk	4	ND	ND
21	20-Mar-11	Fukushima	Onuma-gun, Aizumisato-machi	19-Mar-11	raw milk	ND	ND	ND
22	20-Mar-11	Fukushima	Onuma-gun, Mishima-machi	19-Mar-11	raw milk	ND	ND	ND
23	20-Mar-11	Fukushima	Nishi shirakawa-gun, Nishigou-mura	19-Mar-11	raw milk	250	ND	ND
24	20-Mar-11	Fukushima	Nishi shirakawa-gun, Izumizaki-mura	19-Mar-11	raw milk	120	ND	5.3
25	20-Mar-11	Fukushima	Nishi shirakawa-gun, Nakajima-mura	19-Mar-11	raw milk	100	ND	ND
26	20-Mar-11	Fukushima	Nishi shirakawa-gun, Yabuki-mura	19-Mar-11	raw milk	140	ND	ND

27	20-Mar-11	Fukushima	Higashi shirakawa-gun, Yanaturi-mac	19-Mar-11	raw milk	100	ND	ND
28	20-Mar-11	Fukushima	Higashi shirakawa-gun, Hazawa-mach	19-Mar-11	raw milk	79	ND	ND
29	20-Mar-11	Fukushima	Higashi shirakawa-gun, Samekawa-m	19-Mar-11	raw milk	75	ND	ND
30	20-Mar-11	Fukushima	Ishikawa-gun, Ishikawa-machi	19-Mar-11	raw milk	35	ND	ND
31	20-Mar-11	Fukushima	Ishikawa-gun, Hirata-mura	19-Mar-11	raw milk	110	ND	ND
32	20-Mar-11	Fukushima	Ishikawa-gun, Asakawa-machi	19-Mar-11	raw milk	35	ND	ND
33	20-Mar-11	Fukushima	Ishikawa-gun, Furudono-machi	19-Mar-11	raw milk	60	ND	ND
34	20-Mar-11	Fukushima	Tamura-gun, Miharu-machi	19-Mar-11	raw milk	36	ND	ND
35	20-Mar-11	Fukushima	Tamura-gun, Ono-machi	19-Mar-11	raw milk	46	ND	ND
36	20-Mar-11	Fukushima	Souma-gun, Shinchi-machi	19-Mar-11	raw milk	370	12	9.6
37	20-Mar-11	Fukushima	Souma-gun, Iitate-mura	19-Mar-11	raw milk	5200	210	210
38	20-Mar-11	Ibaraki	Kita ibaraki-shi	18-Mar-11	spinach(grown outdoor)	24000	690	
39	20-Mar-11	Ibaraki	Kita ibaraki-shi	18-Mar-11	cabbage(grown outdoor)	ND	ND	
40	20-Mar-11	Ibaraki	Kita ibaraki-shi	18-Mar-11	leek(grown outdoor)	350	ND	
41	20-Mar-11	Ibaraki	Kamisu-shi	17-Mar-11	bell pepper(hothouse cultivation)	56	ND	
42	20-Mar-11	Ibaraki	Yachiyo-machi	17-Mar-11	lettuce(grown outdoor)	78	21	
43	20-Mar-11	Niigata	Not known	18-Mar-11	spinach	ND	ND	
44	20-Mar-11	Niigata	Not known	18-Mar-11	cabbage	ND	ND	
45	20-Mar-11	Niigata	Not known	18-Mar-11	leek	ND	ND	
46	20-Mar-11	Niigata	Not known	18-Mar-11	strawberry	ND	ND	
47	20-Mar-11	Ibaraki	Not known	18-Mar-11	komatsuna	ND	ND	
48	20-Mar-11	Ibaraki	Not known	18-Mar-11	mizuna	ND	ND	
49	20-Mar-11	Gunma	Not known	18-Mar-11	qing-geng-cai	ND	ND	
50	20-Mar-11	Saitama	Not known	18-Mar-11	leek	ND	ND	
51	20-Mar-11	Niigata	Not known	19-Mar-11	spinach	ND	ND	
52	20-Mar-11	Niigata	Not known	19-Mar-11	komatsuna	ND	ND	
53	20-Mar-11	Niigata	Not known	19-Mar-11	komatsuna	ND	ND	
54	20-Mar-11	Niigata	Not known	19-Mar-11	strawberry	ND	ND	
55	20-Mar-11	Ibaraki	Not known	19-Mar-11	chinese cabbage	ND	ND	
56	20-Mar-11	Chiba	Not known	19-Mar-11	japanese radish	ND	ND	
57	20-Mar-11	Saitama	Not known	19-Mar-11	leek	120	ND	
58	20-Mar-11	Tochigi	Not known	19-Mar-11	strawberry	13	ND	
59	20-Mar-11	Ibaraki	Takahagi-shi	19-Mar-11	tomato(hothouse cultivation)	16	1	
60	20-Mar-11	Ibaraki	Takahagi-shi	19-Mar-11	spinach(hothouse cultivation)	11000	586	
61	20-Mar-11	Ibaraki	Takahagi-shi	19-Mar-11	strawberry(hothouse cultivation)	37	5	
62	20-Mar-11	Ibaraki	Hitachi-shi	19-Mar-11	cucumber(hothouse cultivation)	97	8	

63	20-Mar-11	Ibaraki	Komiyama-shi	19-Mar-11	chinese chive(hothouse cultivatio	440	7
64	20-Mar-11	Ibaraki	Hokota-shi	19-Mar-11	mizuna(hothouse cultivation)	480	81
65	20-Mar-11	Ibaraki	Hokota-shi	19-Mar-11	strawberry(hothouse cultivation	28	3
66	20-Mar-11	Ibaraki	Hokota-shi	19-Mar-11	tomato(hothouse cultivation)	22	4
67	20-Mar-11	Ibaraki	Hokota-shi	19-Mar-11	spinach(hothouse cultivation)	1,900	71
68	20-Mar-11	Ibaraki	Namegata-shi	19-Mar-11	qing-geng-cai(hothouse cultivatio	75	39
69	20-Mar-11	Ibaraki	Namegata-shi	19-Mar-11	lotus root(grown outdoor)	13	ND
70	20-Mar-11	Ibaraki	Kashima-shi	19-Mar-11	cabbage(grown outdoor)	62	23
71	20-Mar-11	Ibaraki	Hitachi-shi	18-Mar-11	spinach(grown outdoor)	354,000	12,931
72	20-Mar-11	Ibaraki	Hitachi-shi	18-Mar-11	spinach(grown outdoor)	265,000	11,106
73	20-Mar-11	Ibaraki	Hitachioomiya-shi	18-Mar-11	spinach(grown outdoor)	19,200	2,040
74	20-Mar-11	Ibaraki	Hitachioomiya-shi	18-Mar-11	spinach(grown outdoor)	17,800	308
75	20-Mar-11	Ibaraki	Naka-shi	18-Mar-11	spinach(grown outdoor)	15,000	911
76	20-Mar-11	Ibaraki	Naka-shi	18-Mar-11	spinach(grown outdoor)	19,500	266
77	20-Mar-11	Ibaraki	Hokota-shi	18-Mar-11	spinach(grown outdoor)	[illegible]	407
78	20-Mar-11	Ibaraki	Hokota-shi	18-Mar-11	leek(grown outdoor)	356	9
79	20-Mar-11	Ibaraki	Moriya-shi	18-Mar-11	spinach(grown outdoor)	[illegible]	121
80	20-Mar-11	Ibaraki	Moriya-shi	18-Mar-11	spinach(grown outdoor)	26	ND
81	20-Mar-11	Ibaraki	Moriya-shi	18-Mar-11	spinach(grown outdoor)	ND	ND
82	20-Mar-11	Ibaraki	Moriya-shi	18-Mar-11	leek(grown outdoor)	590	21
83	20-Mar-11	Ibaraki	Moriya-shi	18-Mar-11	cabbage(grown outdoor)	ND	ND
84	20-Mar-11	Ibaraki	Koga-shi	18-Mar-11	spinach(grown outdoor)	[illegible]	270
85	20-Mar-11	Ibaraki	Koga-shi	18-Mar-11	cabbage(grown outdoor)	30	ND
86	20-Mar-11	Ibaraki	Koga-shi	18-Mar-11	cabbage(grown outdoor)	20	ND
87	20-Mar-11	Ibaraki	Sakai-machi	18-Mar-11	leek(grown outdoor)	140	ND
88	20-Mar-11	Ibaraki	Sakai-machi	18-Mar-11	leek(grown outdoor)	120	ND
89	20-Mar-11	Tochigi	Utsunomiya-shi	19-Mar-11	spinach	[illegible]	570
90	20-Mar-11	Tochigi	Kaminokawa-machi	19-Mar-11	spinach	[illegible]	500
91	20-Mar-11	Tochigi	Kaminokawa-machi	19-Mar-11	spinach	[illegible]	740
92	20-Mar-11	Tochigi	Shimotuke-shi	19-Mar-11	spinach	3,200	460
93	20-Mar-11	Tochigi	Shimotuke-shi	19-Mar-11	spinach	[illegible]	510
94	20-Mar-11	Tochigi	Mibu-machi	19-Mar-11	spinach	[illegible]	390
95	20-Mar-11	Tochigi	Mibu-machi	19-Mar-11	spinach	[illegible]	470
96	20-Mar-11	Tochigi	Sano-shi	19-Mar-11	kakina	2,000	280
97	20-Mar-11	Tochigi	Sano-shi	19-Mar-11	kakina	1,700	161
98	20-Mar-11	Tochigi	Sano-shi	19-Mar-11	kakina	1,500	176

99	20-Mar-11	Tochigi	Sakura-shi	19-Mar-11	leek	270	27
100	20-Mar-11	Tochigi	Sakura-shi	19-Mar-11	leek	93	ND
101	20-Mar-11	Tochigi	Ootawara-shi	19-Mar-11	leek	110	250
102	20-Mar-11	Tochigi	Nasushiobara-shi	19-Mar-11	leek	72	17.3
103	20-Mar-11	Tochigi	Nasushiobara-shi	19-Mar-11	leek	1,400	18.9
104	20-Mar-11	Tochigi	Not known	19-Mar-11	raw milk	44	ND
105	20-Mar-11	Tochigi	Not known	19-Mar-11	raw milk	57	ND
106	20-Mar-11	Fukushima	Nishi shirakawa-gun, Yabuki-machi	Not known	spinach	70	<50
107	20-Mar-11	Fukushima	Nishi shirakawa-gun, Yabuki-machi	Not known	komatuna	780	<50
108	20-Mar-11	Fukushima	Nishi shirakawa-gun, Yabuki-machi	Not known	chinese chive	71	<50
109	20-Mar-11	Ibaraki	Namegata-shi	Not known	mizuna	700	<50
110	20-Mar-11	Ibaraki	Yuuki-shi	Not known	chinese cabbage	<50	<50
111	20-Mar-11	Chiba	Asahikawa-shi	Not known	garland chrysanthemum	4900	<50
112	20-Mar-11	Chiba	Sanbu-gun, Yokoshibahikari-machi	Not known	leek	910	<50
113	20-Mar-11	Tokyo	Edogawa-ku	20-Mar-11	komatuna(grown outdoor)	230	54
114	20-Mar-11	Tokyo	Edogawa-ku	20-Mar-11	komatuna(hothouse cultivation)	363	31
115	20-Mar-11	Tokyo	Edogawa-ku	20-Mar-11	komatuna(grown outdoor)	204	ND
116	20-Mar-11	Tokyo	Tachikawa-shi	19-Mar-11	wakenegi(grown outdoor)	648	11
117	20-Mar-11	Tokyo	Ouma-shi	19-Mar-11	raw milk	46	ND
118	20-Mar-11	Gunma	Isesaki-shi	19-Mar-11	spinach(grown outdoor)	2,630	310
119	20-Mar-11	Gunma	Isesaki-shi	19-Mar-11	spinach(grown outdoor)	2,080	268
120	20-Mar-11	Gunma	Maebashi-shi	19-Mar-11	cabbage(grown outdoor)	≦1.8	2.90
121	20-Mar-11	Gunma	Maebashi-shi	19-Mar-11	leek(grown outdoor)	40.0	11.15
122	20-Mar-11	Gunma	Takasaki-shi	19-Mar-11	kakina(grown outdoor)	1,910	555
123	20-Mar-11	Gunma	Oota-shi	19-Mar-11	leek(grown outdoor)	81.1	11.18
124	20-Mar-11	Gunma	Meiwa-machi	19-Mar-11	cucumber(grown outdoor)	19.2	3.03
125	20-Mar-11	Gunma	Itakura-machi	19-Mar-11	cucumber(grown outdoor)	57.5	7.13

* levels in gray-highlight exceed action levels set by the MHLW for withdrawal from markets

From: OST01 HOC
Sent: Friday, March 25, 2011 11:32 PM
To: PMT02 Hoc; PMT11 Hoc; Hoc, PMT12
Cc: FOIA Response.hoc Resource
Subject: FW: Daily Update of Navy Radiological Survey Data From Japan 3/25/11 (1800 EDT)
Attachments: Summary of Gamma Spec Results_Rev2.xlsm; Japan_Combined_Survey_Data 3-25-11_1800EDT.XLS

-----Original Message-----
From: HOO Hoc [mailto:HOO.Hoc@nrc.gov]
Sent: Friday, March 25, 2011 11:00 PM
To: LIA07 Hoc; OST01 HOC; OST02 HOC; OST03 HOC
Subject: FW: Daily Update of Navy Radiological Survey Data From Japan 3/25/11 (1800 EDT)

From: NITOPS[SMTP:NITOPS@NNSA.DOE.GOV]
Sent: Friday, March 25, 2011 10:59:52 PM
To: CMHT; HOO Hoc; NARAC; PMT01 Hoc; PMT02 Hoc; Hoc, PMT12
Cc: NITOPS
Subject: FW: Daily Update of Navy Radiological Survey Data From Japan 3/25/11 (1800 EDT) Auto forwarded by a Rule

Nuclear Incident Team (NIT)
Office of Emergency Response (NA-42)
National Nuclear Security Administration U.S. Department of Energy nitops@nnsa.doe.gov nit@doe.sgov.gov 202-586-8100

-----Original Message-----
From: Burrows, Charles W SES CIV NAVSEA 08 NR (b)(6)
Sent: Friday, March 25, 2011 10:49 PM
To: rst01.hoc@nrc.gov; Mueller, Troy J SES CIV NAVSEA 08 NR; Brown, Courtney M (NST); CooperJD@state.gov; NITOPS; Steve Fetter; John_P._Holdren@ostp.eop.gov; John_J._Szymanski@ostp.eop.gov; tdykelsord@state.gov
Cc: Conran, Thomas C SES CIV NAVSEA 08 NR; Naples, Elmer M SES SEA 08 NR; Hale, Andrew M SES NAVSEA, 08; McKenzie, John M SES CIV NAVSEA 08 NR
Subject: Daily Update of Navy Radiological Survey Data From Japan 3/25/11 (1800 EDT)

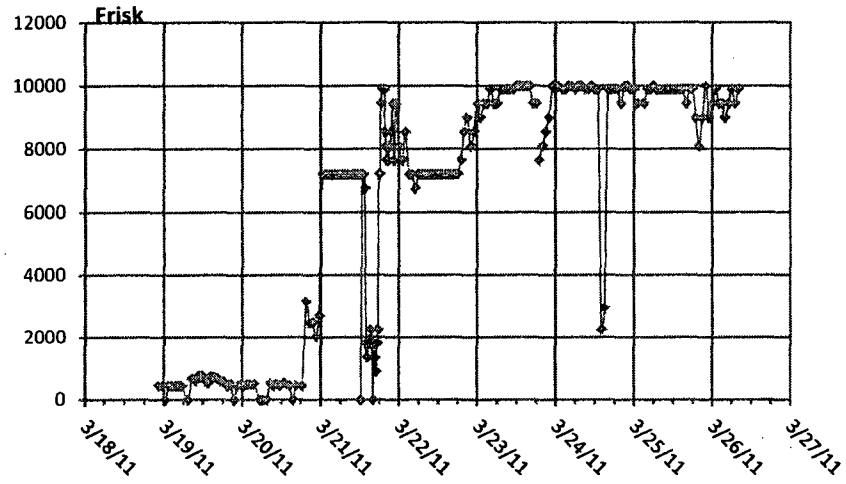
Attached is the daily update of Navy radiological survey data dtd 3/25.
CWB

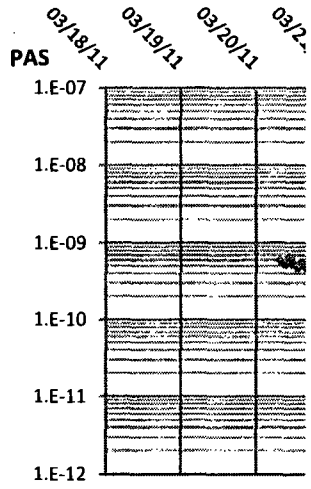
UUUU/25

Location	Sample Type	Sample Date & Time	Acquisition (Count) Date & Time	Mid-Count Time	Sample ID or Control No.	Description	Count Time (min)	Cs-137	I-131	I-132	Cs-134	Cs-136	Te-132	Tc-99m	Units
CVN 76 RR	LAW	3/14/11 0000	3/14/11 0311		2011-00428	Seahawk 623 door	5	1.59E-04	2.87E-03	1.48E-03	7.57E-05	9.92E-04	1.73E-03		µCi/sample
CVN 76 RR	LAW	3/14/11 0000	3/14/11 0319		2011-00429	Seahawk 623 stabilizer	5			1.29E-03			1.57E-03		µCi/sample
CVN 76 RR	LAW	3/14/11 0000	3/14/11 0327		2011-00430	P-3 Orion 775	5			3.11E-04			3.81E-04		µCi/sample
CVN 73 GW	LAW	3/15/11 0000	3/15/11 1612		2011-00458	CVN 73 Flight Deck	5		5.54E-04						µCi/sample
CVN 73 GW	LAW	3/15/11 0000	3/15/11 1624		2011-00455	CVN 73 Flight Deck	5		1.90E-03						µCi/sample
CVN 73 GW	LAW	3/15/11 0000	3/15/11 1636		2011-00456	CVN 73 Flight Deck	5		7.41E-04						µCi/sample
CVN 73 GW	LAW	3/15/11	3/15/11 1643		2011-00457	CVN 73 Flight Deck	5		7.93E-04						µCi/sample
CVN 73 GW	LAW	3/15/11	3/15/11 1654		2011-00459	CVN 73 Flight Deck	5		3.15E-04						µCi/sample
CVN 73 GW	LAW	3/15/11	3/17/11 2243		2011-00506	CVN 73 Decon (recount)	60	6.82E-05	1.57E-04	7.22E-04	6.59E-05	1.56E-05	5.41E-04		µCi/sample
CVN 73 GW	Tape Press	3/18/11	3/18/11 0351		2011-00510	Tape Press Flight Deck	30	1.32E-05	2.39E-04	1.51E-04					µCi/sample
Atsugi AFB	LAW	3/19/11	3/19/11 0427		2011-00524	Atsugi Tail, EP-6458 17	60	1.18E-01	5.95E-02	2.12E-01	1.05E-01	1.86E-02	2.14E-01		µCi/sample
CVN 73 GW	Filter	3/20/11	3/20/11 1400		2011-00530	NACCC Roof APS	120	1.01E-11	2.74E-11	3.16E-09	6.47E-12	1.10E-12	3.44E-11		µCi/ml
Yokosuka	Filter	3/21/11 0935	3/21/11 2034		Team 1	North Advance Team TM1 PAS 1 of 2 (2 hour)	120	1.46E-10	1.72E-09	1.43E-10	1.16E-10	1.38E-11	2.07E-10	4.49E-11	µCi/ml
Yokosuka	Filter	3/21/11 0950	3/21/11 1737		Team 1	North Advance Team PAS 2 of 2 (2 hour)	120	1.51E-10	3.16E-10	8.63E-11	1.22E-10	1.90E-11	1.26E-10		µCi/ml
Yokosuka	Filter	3/21/11 1135	3/22/11 0913		Perimeter Team	Nanaban Tower 3/21/2011 @ 1135 PAS 2 of 2 (2 hour) 950 ccpm	120	4.00E-10	4.38E-10	2.41E-10	3.02E-10	4.85E-11	3.32E-10		µCi/ml
Yokosuka	Filter	3/21/11 1157	3/22/11 0548		Perimeter Team	Nanaban Tower 3/21/2011 @ 1157 PAS 1 of 2 (2 hour) 1200 ccpm	120	5.31E-10	7.50E-10	2.65E-10	4.01E-10	6.05E-11	4.27E-10		µCi/ml
Yokosuka	Liquid	3/22/11 1920	3/22/11 1810		Rain Water Sample	Barge YR95 Rain Water Sample @1920 3/22/2011	120	3.05E-06	6.81E-05	3.01E-06	2.76E-06	4.33E-07	1.90E-06	2.53E-07	µCi/ml
Yokosuka	Filter	3/23/11 1200	3/23/11 1222		PAS 2 hr Count	OS1 Yokosuka 100 ccpm	120		2.07E-11	5.76E-12			3.04E-12		µCi/ml
Yokosuka	Filter	3/23/11 1800			OS1 Yokosuka	1 m3 100 ccpm 1800JST 3232011	120		1.17E-10				1.82E-12		µCi/ml
Yokosuka	Filter	3/23/11 1830			NAT Ishioka	1 m3 170 ccpm 1830JST 3232011	120	4.13E-12	1.75E-10		2.19E-12				µCi/ml
Yokosuka	Filter	3/24/11 0000			OS1 Yokosuka	1 m3 100 ccpm 0000JST 3242011	120		4.42E-11	3.27E-12			2.03E-12		µCi/ml
Yokosuka	Filter	3/24/11 0100			OS1 Yokosuka	1 m3 100 ccpm 0100JST 3242011	120		3.85E-11				1.34E-12		µCi/ml

Nanaban Tower: LAT. 35.29N, LONG. 139.67E

Yokosuka





Date and Time (EDT)	Date and Time (JST)	Radiation (mr/hr)	Frisk (pCi/probe)	PAS (µCi/mL)	RI (µCi/mL)
3/18/11 0924	3/18/11 2224	0.01	450	<5.0E-10	
3/18/11 1030	3/18/11 2330	0.01	450	<5.0E-10	
3/18/11 1130	3/19/11 0030	0.01	<450	<5.0E-10	
3/18/11 1230	3/19/11 0130	0.01	450	<5.0E-10	
3/18/11 1330	3/19/11 0230	0.01	450	<5.0E-10	
3/18/11 1430	3/19/11 0330	0.01	450	<5.0E-10	
3/18/11 1530	3/19/11 0430	0.01	450	<5.0E-10	
3/18/11 1630	3/19/11 0530	0.01	450	<5.0E-10	
3/18/11 1825	3/19/11 0725	0.01	<450	<5.0E-10	
3/18/11 1940	3/19/11 0840	0.01	675	<5.0E-10	
3/18/11 2044	3/19/11 0944	0.01	585	<5.0E-10	

3/18/11 2140	3/19/11 1040	0.01	765	<5.0E-10
3/18/11 2239	3/19/11 1139	0.01	765	<5.0E-10
3/18/11 2350	3/19/11 1250	0.01	585	<5.0E-10
3/19/11 0037	3/19/11 1337	0.01	540	<5.0E-10
3/19/11 0130	3/19/11 1430	0.01	765	<5.0E-10
3/19/11 0238	3/19/11 1538	0.01	720	<5.0E-10
3/19/11 0335	3/19/11 1635	0.01	675	<5.0E-10
3/19/11 0430	3/19/11 1730	0.01	585	<5.0E-10
3/19/11 0530	3/19/11 1830	0.01	585	<5.0E-10
3/19/11 0630	3/19/11 1930	0.01	450	<5.0E-10
3/19/11 0730	3/19/11 2030	0.01	495	<5.0E-10
3/19/11 0830	3/19/11 2130	0.01	<450	<5.0E-10
3/19/11 0930	3/19/11 2230	0.01	450	<5.0E-10
3/19/11 1030	3/19/11 2330	0.01	495	<5.0E-10
3/19/11 1130	3/20/11 0030	0.01	450	<5.0E-10
3/19/11 1230	3/20/11 0130	0.01	495	<5.0E-10
3/19/11 1330	3/20/11 0230	0.01	495	<5.0E-10
3/19/11 1430	3/20/11 0330	0.01	495	<5.0E-10
3/19/11 1630	3/20/11 0530	0.01	<450	<5.0E-10
3/19/11 1730	3/20/11 0630	0.01	<450	<5.0E-10
3/19/11 1831	3/20/11 0731	0.01	<450	6.0E-10
3/19/11 1932	3/20/11 0832	0.01	540	5.5E-10
3/19/11 2031	3/20/11 0931	0.01	450	5.5E-10
3/19/11 2128	3/20/11 1028	0.01	495	6.5E-10
3/19/11 2228	3/20/11 1128	0.01	450	5.5E-10
3/19/11 2338	3/20/11 1238	0.01	540	5.0E-10

3/20/11 0027	3/20/11 1327	0.01	495	5.0E-10
3/20/11 0130	3/20/11 1430	0.01	450	5.5E-10
3/20/11 0230	3/20/11 1530	0.01	<450	5.0E-10
3/20/11 0325	3/20/11 1625	0.01	450	<5.0E-10
3/20/11 0520	3/20/11 1820	0.01	450	5.5E-10
3/20/11 0630	3/20/11 1930	0.01	3150	<5.0E-10
3/20/11 0730	3/20/11 2030	0.01	2475	<5.0E-10
3/20/11 0830	3/20/11 2130	0.01	2475	<5.0E-10
3/20/11 0930	3/20/11 2230	0.01	2025	<5.0E-10
3/20/11 1030	3/20/11 2330	0.01	2700	<5.0E-10
3/20/11 1130	3/21/11 0030	0.01	7200	<5.0E-10
3/20/11 1230	3/21/11 0130	0.01	7200	<5.0E-10
3/20/11 1330	3/21/11 0230	0.01	7200	<5.0E-10
3/20/11 1430	3/21/11 0330	0.01	7200	<5.0E-10
3/20/11 1530	3/21/11 0430	0.01	7200	<5.0E-10
3/20/11 1630	3/21/11 0530	0.01	7200	<5.0E-10
3/20/11 1730	3/21/11 0630	0.01	7200	<5.0E-10
3/20/11 1830	3/21/11 0730	0.01	7200	<5.0E-10
3/20/11 1928	3/21/11 0828	0.01	7200	<5.0E-10
3/20/11 2035	3/21/11 0935	0.01	7200	1.6E-09
3/20/11 2058	3/21/11 0958	0.01	7200	1.6E-09
3/20/11 2115	3/21/11 1015	0.01	7200	2.6E-09
3/20/11 2140	3/21/11 1040	0.01	7200	3.1E-09
3/20/11 2200	3/21/11 1100	0.01	7200	3.2E-09
3/20/11 2218	3/21/11 1118	0.01	7200	3.2E-09
3/20/11 2235	3/21/11 1135	0.01	7200	4.8E-09

3/20/11 2235	3/21/11 1135			1.8E-09	
3/20/11 2257	3/21/11 1157	0.01	7200	6.0E-09	
3/20/11 2257	3/21/11 1157			2.4E-09	
3/20/11 2318	3/21/11 1218	0.01	NONE	NONE	<1.0E-7
3/20/11 2346	3/21/11 1246	0.01	7200	6.0E-10	
3/21/11 0012	3/21/11 1312	0.01	7200	5.0E-10	
3/21/11 0033	3/21/11 1333	0.01	6750	7.5E-10	
3/21/11 0057	3/21/11 1357	0.01	1800	1.0E-09	
3/21/11 0120	3/21/11 1420	0.01	1350	7.5E-10	
3/21/11 0139	3/21/11 1439	0.01	1800	7.5E-10	
3/21/11 0157	3/21/11 1457	0.01	1800	8.0E-10	
3/21/11 0214	3/21/11 1514	0.01	2250	1.0E-09	
3/21/11 0245	3/21/11 1545	0.01	1800	1.3E-09	
3/21/11 0303	3/21/11 1603	0.01	NONE	7.5E-10	
3/21/11 0325	3/21/11 1625	0.01	1800	8.0E-10	
3/21/11 0345	3/21/11 1645	0.01	1350	7.0E-10	
3/21/11 0402	3/21/11 1702	0.01	900	5.0E-10	
3/21/11 0418	3/21/11 1718	0.01	1800	7.0E-10	

3/21/11 0432	3/21/11 1732	0.01	2250	5.0E-10
3/21/11 0450	3/21/11 1750	0.01	7200	8.5E-10
3/21/11 0509	3/21/11 1809	0.01	7200	7.5E-10
3/21/11 0525	3/21/11 1825	0.01	9450	1.2E-09
3/21/11 0545	3/21/11 1845	0.01	9900	1.0E-09
3/21/11 0600	3/21/11 1900	0.01	9900	9.0E-10
3/21/11 0615	3/21/11 1915	0.01	9900	1.0E-09
3/21/11 0630	3/21/11 1930	0.01	9900	1.0E-09
3/21/11 0645	3/21/11 1945	0.01	8550	1.0E-09
3/21/11 0700	3/21/11 2000	0.01	8100	2.3E-09
3/21/11 0715	3/21/11 2015	0.01	7650	2.3E-09
3/21/11 0732	3/21/11 2032	0.01	8100	1.5E-09
3/21/11 0745	3/21/11 2045	0.01	7650	1.0E-09
3/21/11 0800	3/21/11 2100	0.01	8100	7.5E-10
3/21/11 0815	3/21/11 2115	0.01	8100	5.0E-10
3/21/11 0830	3/21/11 2130	0.01	8100	5.0E-10
3/21/11 0845	3/21/11 2145	0.01	8550	5.0E-10
3/21/11 0900	3/21/11 2200	0.01	9450	5.0E-10
3/21/11 0930	3/21/11 2230	0.01	7650	<5.0E-10
3/21/11 1000	3/21/11 2300	0.01	9450	<5.0E-10
3/21/11 1100	3/22/11 0000	0.01	8100	<5.0E-10
3/21/11 1200	3/22/11 0100	0.01	7650	5.0E-10
3/21/11 1300	3/22/11 0200	0.01	8550	<5.0E-10
3/21/11 1400	3/22/11 0300	0.01	7200	<5.0E-10
3/21/11 1500	3/22/11 0400	0.01	7200	<5.0E-10
3/21/11 1600	3/22/11 0500	0.01	6750	<5.0E-10

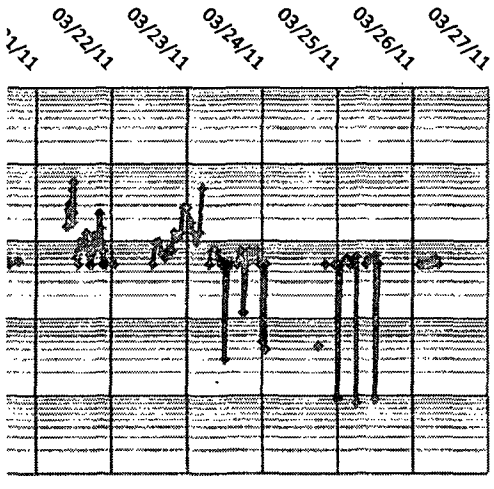
3/21/11 1700	3/22/11 0600	0.01	7200	<5.0E-10
3/21/11 1755	3/22/11 0655	0.01	7200	<5.0E-10
3/21/11 1900	3/22/11 0800	0.01	7200	<5.0E-10
3/21/11 1958	3/22/11 0858	0.01	7200	<5.0E-10
3/21/11 2100	3/22/11 1000	0.01	7200	<5.0E-10
3/21/11 2200	3/22/11 1100	0.01	7200	<5.0E-10
3/21/11 2300	3/22/11 1200	0.01	7200	<5.0E-10
3/22/11 0000	3/22/11 1300	0.01	7200	5.0E-10
3/22/11 0100	3/22/11 1400	0.01	7200	9.5E-10
3/22/11 0200	3/22/11 1500	0.01	7200	1.0E-09
3/22/11 0300	3/22/11 1600	0.01	7200	7.0E-10
3/22/11 0400	3/22/11 1700	0.01	7200	6.0E-10
3/22/11 0500	3/22/11 1800	0.01	7200	7.5E-10
3/22/11 0600	3/22/11 1900	0.01	7650	7.5E-10
3/22/11 0700	3/22/11 2000	0.01	8550	1.3E-09
3/22/11 0800	3/22/11 2100	0.01	9000	1.1E-09
3/22/11 0900	3/22/11 2200	0.01	8100	1.3E-09
3/22/11 1000	3/22/11 2300	0.01	8550	2.8E-09
3/22/11 1100	3/23/11 0000	0.01	9450	2.8E-09
3/22/11 1200	3/23/11 0100	0.01	9000	1.8E-09
3/22/11 1300	3/23/11 0200	0.01	9450	1.3E-09
3/22/11 1400	3/23/11 0300	0.01	9450	1.0E-09
3/22/11 1500	3/23/11 0400	0.01	9900	1.3E-09
3/22/11 1600	3/23/11 0500	0.01	9450	5.0E-09
3/22/11 1700	3/23/11 0600	0.01	9450	<5.0E-10
3/22/11 1800	3/23/11 0700	0.01	9900	5.0E-10

3/22/11 1900	3/23/11 0800	0.01	9900	7.5E-10
3/22/11 2000	3/23/11 0900	0.01	9900	7.5E-10
3/22/11 2100	3/23/11 1000	0.01	9900	6.0E-10
3/22/11 2200	3/23/11 1100	0.01	9900	5.0E-10
3/22/11 2300	3/23/11 1200	0.01	10000	5.0E-10
3/22/11 2300	3/23/11 1200			3.0E-11
3/23/11 0000	3/23/11 1300	0.01	10000	5.0E-10
3/23/11 0100	3/23/11 1400	0.01	10000	5.0E-10
3/23/11 0200	3/23/11 1500	0.01	10000	<5.0E-10
3/23/11 0300	3/23/11 1600	0.01	10000	5.0E-10
3/23/11 0400	3/23/11 1700	0.01	9450	7.5E-10
3/23/11 0500	3/23/11 1800	0.01	9450	5.0E-10
3/23/11 0500	3/23/11 1800			1.2E-10
3/23/11 0600	3/23/11 1900	0.01	7650	5.0E-10
3/23/11 0700	3/23/11 2000	0.01	8100	7.5E-10
3/23/11 0800	3/23/11 2100	0.01	8550	6.0E-10
3/23/11 0900	3/23/11 2200	0.01	9000	7.5E-10
3/23/11 1000	3/23/11 2300	0.01	10000	5.0E-10
3/23/11 1100	3/24/11 0000	0.01	9900	5.0E-10

3/23/11 1100	3/24/11 0000			5.0E-11
3/23/11 1200	3/24/11 0100	0.01	10000	5.0E-10
3/23/11 1200	3/24/11 0100			4.0E-11
3/23/11 1300	3/24/11 0200	0.01	9900	<5.0E-10
3/23/11 1400	3/24/11 0300	0.01	9900	<5.0E-10
3/23/11 1500	3/24/11 0400	0.01	10000	<5.0E-10
3/23/11 1600	3/24/11 0500	0.01	10000	<5.0E-10
3/23/11 1700	3/24/11 0600	0.01	9900	<5.0E-10
3/23/11 1800	3/24/11 0700	0.01	10000	<5.0E-10
3/23/11 1900	3/24/11 0800	0.01	10000	<5.0E-10
3/23/11 2000	3/24/11 0900	0.01	9900	<5.0E-10
3/23/11 2100	3/24/11 1000	0.01	9900	<5.0E-10
3/23/11 2200	3/24/11 1100	0.01	10000	<5.0E-10
3/23/11 2300	3/24/11 1200	0.01	9900	<5.0E-10
3/24/11 0000	3/24/11 1300	0.01	9900	<5.0E-10
3/24/11 0100	3/24/11 1400	0.01	2250	<5.0E-10
3/24/11 0200	3/24/11 1500	0.01	2925	<5.0E-10
3/24/11 0300	3/24/11 1600	0.01	9900	<5.0E-10
3/24/11 0400	3/24/11 1700	0.01	9900	<5.0E-10

3/24/11 0500	3/24/11 1800	0.01	9900	<5.0E-10
3/24/11 0500	3/24/11 1800			4.4E-11
3/24/11 0600	3/24/11 1900	0.01	9900	<5.0E-10
3/24/11 0700	3/24/11 2000	0.01	9450	5.0E-10
3/24/11 0800	3/24/11 2100	0.01	10000	<5.0E-10
3/24/11 0900	3/24/11 2200	0.01	10000	<5.0E-10
3/24/11 1000	3/24/11 2300	0.01	9900	5.0E-10
3/24/11 1100	3/25/11 0000	0.01	9900	5.0E-10
3/24/11 1100	3/25/11 0000			9.2E-12
3/24/11 1200	3/25/11 0100	0.01	9450	5.0E-10
3/24/11 1400	3/25/11 0300	0.01	9450	6.0E-10
3/24/11 1500	3/25/11 0400	0.01	9900	5.0E-10
3/24/11 1600	3/25/11 0500	0.01	9900	5.0E-10
3/24/11 1700	3/25/11 0600	0.01	10000	6.3E-10
3/24/11 1700	3/25/11 0600			8.1E-12
3/24/11 1800	3/25/11 0700	0.01	9900	<5.0E-10
3/24/11 1900	3/25/11 0800	0.01	9900	<5.0E-10

3/24/11 2000	3/25/11 0900	0.01	9900	5.0E-10
3/24/11 2100	3/25/11 1000	0.01	9900	6.0E-10
3/24/11 2200	3/25/11 1100	0.01	9900	6.0E-10
3/24/11 2300	3/25/11 1200	0.01	9900	6.5E-10
3/24/11 2300	3/25/11 1200			9.0E-12
3/25/11 0000	3/25/11 1300	0.01	9900	5.0E-10
3/25/11 0100	3/25/11 1400	0.01	9900	<5.0E-10
3/25/11 0200	3/25/11 1500	0.01	9900	<5.0E-10
3/25/11 0300	3/25/11 1600	0.01	9450	<5.0E-10
3/25/11 0400	3/25/11 1700	0.01	9900	<5.0E-10
3/25/11 0500	3/25/11 1800	0.01	9900	<5.0E-10
3/25/11 0600	3/25/11 1900	0.01	9000	<5.0E-10
3/25/11 0700	3/25/11 2000	0.01	8100	<5.0E-10
3/25/11 0800	3/25/11 2100	0.01	9000	<5.0E-10
3/25/11 0900	3/25/11 2200	0.01	1.00E+04	<5.0E-10
3/25/11 1000	3/25/11 2300	0.01	9.00E+03	<5.0E-10
3/25/11 1100	3/26/11 0000	0.01	9.45E+03	<5.0E-10
3/25/11 1200	3/26/11 0100	0.01	9.90E+03	<5.0E-10
3/25/11 1300	3/26/11 0200	0.01	9.45E+03	5.0E-10
3/25/11 1400	3/26/11 0300	0.01	9.45E+03	5.0E-10
3/25/11 1500	3/26/11 0400	0.01	9.00E+03	5.0E-10
3/25/11 1600	3/26/11 0500	0.01	9.45E+03	5.0E-10
3/25/11 1700	3/26/11 0600	0.01	9.90E+03	5.0E-10
3/25/11 1800	3/26/11 0700	0.01	9.45E+03	6.0E-10
3/25/11 1900	3/26/11 0800	0.01	9.90E+03	5.0E-10



Notes

Note: 1135 air sample data was analyzed via full isotopic analysis. Samples contained I-131 (4.38×10^{-10} µCi/ml), I-132 (2.41×10^{-10} µCi/ml), Te-132 (3.32×10^{-10} µCi/ml), Cs-134 (3.02×10^{-10} µCi/ml), Cs-136 (4.85×10^{-11} µCi/ml), Cs-137 (4.00×10^{-10} µCi/ml).

Note: 1157 air sample data was analyzed via full isotopic analysis. Samples contained I-131 (7.50×10^{-10} µCi/ml), I-132 (2.65×10^{-10} µCi/ml), Te-132 (4.27×10^{-10} µCi/ml), Cs-134 (4.01×10^{-10} µCi/ml), Cs-136 (6.05×10^{-11} µCi/ml), Cs-137 (5.31×10^{-10} µCi/ml).

Note: The 1200 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131 (2.07×10^{-11} µCi/ml), I-132 (5.76×10^{-12} µCi/ml), Te-132 (3.04×10^{-12} µCi/ml).

Note: The 1800 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131 (1.17x10-10 µCi/ml) & Te-132 (1.82x10-12 µCi/ml).

Note: The 0000 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131(4.42×10^{-11} µCi/ml), I-132 (3.27×10^{-12} µCi/ml), Te-132 (2.03×10^{-12} µCi/ml).

Note: The 0100 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131(3.85×10^{-11} µCi/ml) & Te-132 (1.34×10^{-12} µCi/ml).

Note: The 1800 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131(4.11×10^{-11} µCi/ml) & Cs-137 (2.53×10^{-12} µCi/ml).

* (see note)
* (see note)
* (see note)
* (see note)
* (see note)

Note: The 0000 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131(7.53×10^{-12} µCi/ml) & I-132 (1.70×10^{-12} µCi/ml).

* (see note)
* (see note)
* (see note)
* (see note)
* (see note)

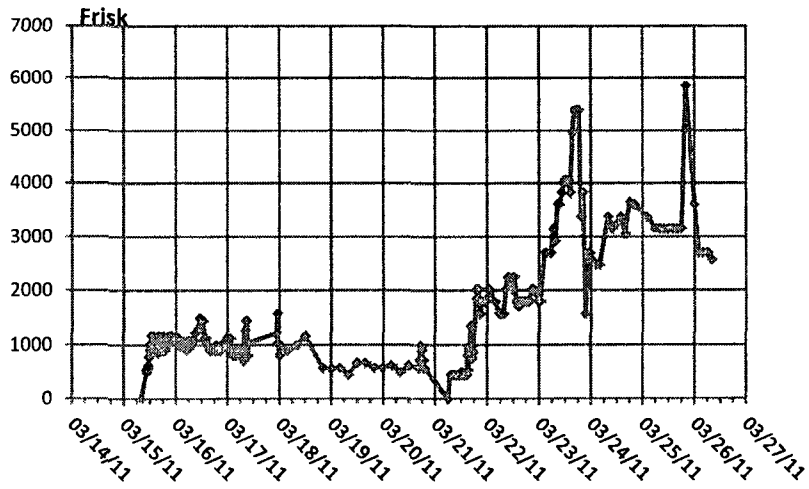
Note: The 0600 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131.

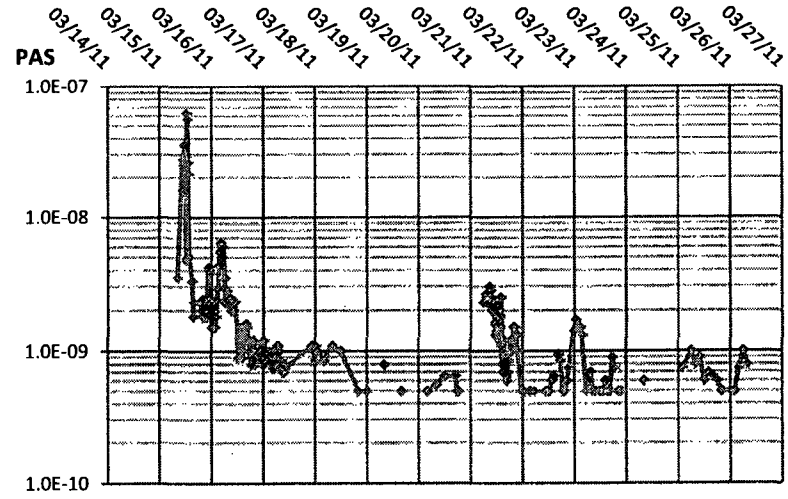
Note: The 1200 air sample was identified as OS1 rather than Nanaban Tower. Data was analyzed via full isotopic analysis, and contained I-131.

* 1645 (EDT): NACCC reports possible Temp.
Inv. for air samples over past 6 to 8 hours.
NACCC update pending.

Atsugi NAS: LAT 35.42N, LONG. 139.36E

Northwest of Yokosuka





Date and Time (EDT)	Date and Time (JST)	Radiation (mr/hr)	Frisk (pCi/Probe)	PAS (µCi/ml)	Notes
3/14/11 1912	3/15/11 0812	NONE	NONE	3.5E-09	
3/14/11 2136	3/15/11 1036	0.01	495	2.7E-08	
3/14/11 2148	3/15/11 1048	0.01	540	1.6E-08	
3/14/11 2205	3/15/11 1105	0.01	585	2.5E-08	
3/14/11 2225	3/15/11 1125	0.01	630	3.5E-08	
3/14/11 2248	3/15/11 1148	0.01	788	3.6E-08	
3/14/11 2302	3/15/11 1202	0.01	900	2.9E-08	
3/14/11 2317	3/15/11 1217	0.02	990	4.8E-09	
3/14/11 2335	3/15/11 1235	0.02	1035	6.3E-08	
3/14/11 2350	3/15/11 1250	0.01	1170	5.6E-08	
3/15/11 0004	3/15/11 1304	0.01	1170	2.6E-08	

3/15/11 0020	3/15/11 1320	0.01	1170	2.1E-08
3/15/11 0035	3/15/11 1335	0.01	1170	5.0E-09
3/15/11 0200	3/15/11 1500	0.01	1035	3.3E-09
3/15/11 0225	3/15/11 1525	0.01	1125	1.8E-09
3/15/11 0240	3/15/11 1540	0.01	945	2.3E-09
3/15/11 0255	3/15/11 1555	0.01	855	NONE
3/15/11 0315	3/15/11 1615	0.01	1170	NONE
3/15/11 0330	3/15/11 1630	0.01	1080	NONE
3/15/11 0400	3/15/11 1700	0.01	945	NONE
3/15/11 0415	3/15/11 1715	0.01	900	NONE
3/15/11 0445	3/15/11 1745	0.01	945	NONE
3/15/11 0500	3/15/11 1800	0.01	1170	NONE
3/15/11 0515	3/15/11 1815	0.01	990	NONE
3/15/11 0530	3/15/11 1830	0.01	900	NONE
3/15/11 0600	3/15/11 1900	0.01	900	2.3E-09
3/15/11 0615	3/15/11 1915	0.01	990	2.0E-09
3/15/11 0630	3/15/11 1930	0.01	990	2.4E-09
3/15/11 0653	3/15/11 1953	0.01	990	1.8E-09
3/15/11 0700	3/15/11 2000	0.01	1125	2.3E-09
3/15/11 0715	3/15/11 2015	0.01	990	1.8E-09
3/15/11 0730	3/15/11 2030	0.01	1035	1.8E-09
3/15/11 0745	3/15/11 2045	0.01	1125	2.0E-09
3/15/11 0800	3/15/11 2100	0.01	1170	1.8E-09
3/15/11 0830	3/15/11 2130	0.01	1125	1.8E-09
3/15/11 0900	3/15/11 2200	0.01	1170	2.5E-09
3/15/11 0930	3/15/11 2230	0.01	1125	4.2E-09

3/15/11 1000	3/15/11 2300	0.01	1125	4.0E-09
3/15/11 1030	3/15/11 2330	0.01	1125	3.8E-09
3/15/11 1100	3/16/11 0000	0.01	1125	1.5E-09
3/15/11 1130	3/16/11 0030	0.01	1125	2.0E-09
3/15/11 1200	3/16/11 0100	0.01	1125	2.1E-09
3/15/11 1230	3/16/11 0130	0.01	1125	1.5E-09
3/15/11 1300	3/16/11 0200	0.01	990	1.8E-09
3/15/11 1330	3/16/11 0230	0.01	990	2.4E-09
3/15/11 1400	3/16/11 0300	0.01	990	2.9E-09
3/15/11 1430	3/16/11 0330	0.01	990	4.3E-09
3/15/11 1500	3/16/11 0400	0.01	990	5.5E-09
3/15/11 1530	3/16/11 0430	0.01	945	6.4E-09
3/15/11 1600	3/16/11 0500	0.01	945	5.0E-09
3/15/11 1630	3/16/11 0530	0.01	900	6.0E-09
3/15/11 1700	3/16/11 0600	0.01	1080	3.5E-09
3/15/11 1730	3/16/11 0630	0.01	945	2.3E-09
3/15/11 1800	3/16/11 0700	0.01	990	2.8E-09
3/15/11 1830	3/16/11 0730	0.01	1080	2.3E-09
3/15/11 1900	3/16/11 0800	0.01	1080	2.3E-09
3/15/11 1930	3/16/11 0830	0.01	1080	2.5E-09
3/15/11 2000	3/16/11 0900	0.01	1215	2.0E-09
3/15/11 2130	3/16/11 1030	0.01	1305	2.0E-09
3/15/11 2200	3/16/11 1100	0.01	1485	2.3E-09
3/15/11 2330	3/16/11 1230	0.01	1440	8.8E-10
3/16/11 0030	3/16/11 1330	0.01	1080	1.5E-09
3/16/11 0100	3/16/11 1400	0.01	1125	1.5E-09

3/16/11 0130	3/16/11 1430	0.01	990	9.0E-10
3/16/11 0300	3/16/11 1600	0.01	900	1.6E-09
3/16/11 0330	3/16/11 1630	0.01	945	1.5E-09
3/16/11 0400	3/16/11 1700	0.01	900	1.2E-09
3/16/11 0430	3/16/11 1730	0.01	900	1.2E-09
3/16/11 0500	3/16/11 1800	0.01	945	1.0E-09
3/16/11 0530	3/16/11 1830	0.01	900	8.0E-10
3/16/11 0600	3/16/11 1900	0.01	990	8.0E-10
3/16/11 0630	3/16/11 1930	0.01	900	1.2E-09
3/16/11 0700	3/16/11 2000	0.01	945	8.0E-10
3/16/11 0730	3/16/11 2030	0.01	900	9.0E-10
3/16/11 0800	3/16/11 2100	0.01	900	9.3E-10
3/16/11 0830	3/16/11 2130	0.01	990	1.1E-09
3/16/11 0900	3/16/11 2200	0.01	990	8.8E-10
3/16/11 0930	3/16/11 2230	0.01	1035	8.8E-10
3/16/11 1000	3/16/11 2300	0.01	990	9.0E-10
3/16/11 1030	3/16/11 2330	0.01	990	1.0E-09
3/16/11 1100	3/17/11 0000	0.01	1125	8.0E-10
3/16/11 1130	3/17/11 0030	0.01	1080	1.2E-09
3/16/11 1200	3/17/11 0100	0.01	900	1.0E-09
3/16/11 1230	3/17/11 0130	0.01	1125	1.0E-09
3/16/11 1300	3/17/11 0200	0.01	945	9.0E-10
3/16/11 1330	3/17/11 0230	0.01	900	8.8E-10
3/16/11 1400	3/17/11 0300	0.01	810	1.0E-09
3/16/11 1430	3/17/11 0330	0.01	810	9.0E-10
3/16/11 1500	3/17/11 0400	0.01	810	9.0E-10

3/16/11 1530	3/17/11 0430	0.01	900	7.5E-10
3/16/11 1600	3/17/11 0500	0.01	945	1.0E-09
3/16/11 1630	3/17/11 0530	0.01	900	9.5E-10
3/16/11 1700	3/17/11 0600	0.01	810	9.0E-10
3/16/11 1730	3/17/11 0630	0.01	810	1.1E-09
3/16/11 1800	3/17/11 0700	0.01	855	1.1E-09
3/16/11 1830	3/17/11 0730	0.01	720	1.0E-09
3/16/11 1900	3/17/11 0800	0.01	1260	7.5E-10
3/16/11 1930	3/17/11 0830	0.01	1440	8.5E-10
3/16/11 2000	3/17/11 0900	0.01	1440	7.0E-10
3/16/11 2030	3/17/11 0930	0.01	810	7.0E-10
3/16/11 2100	3/17/11 1000	0.01	1035	7.5E-10
3/17/11 0930	3/17/11 2230	0.01	1215	1.1E-09
3/17/11 1000	3/17/11 2300	0.01	1575	1.1E-09
3/17/11 1030	3/17/11 2330	0.01	1035	1.0E-09
3/17/11 1100	3/18/11 0000	0.01	810	8.5E-10
3/17/11 1130	3/18/11 0030	0.01	990	1.1E-09
3/17/11 1500	3/18/11 0400	0.01	900	8.5E-10
3/17/11 1900	3/18/11 0800	0.01	990	1.1E-09
3/17/11 2300	3/18/11 1200	0.01	1170	1.0E-09
3/18/11 0700	3/18/11 2000	0.01	585	5.0E-10
3/18/11 1100	3/19/11 0000	0.01	563	5.0E-10
3/18/11 1500	3/19/11 0400	0.01	585	<5.0E-10
3/18/11 1900	3/19/11 0800	0.01	450	8.0E-10
3/18/11 2300	3/19/11 1200	0.01	675	<5.0E-10
3/19/11 0300	3/19/11 1600	0.01	675	5.0E-10

3/19/11 0700	3/19/11 2000	0.01	585	<5.0E-10
3/19/11 1100	3/20/11 0000	0.01	585	<5.0E-10
3/19/11 1500	3/20/11 0400	0.01	630	5.0E-10
3/19/11 1900	3/20/11 0800	0.01	495	5.5E-10
3/19/11 2300	3/20/11 1200	0.01	630	6.5E-10
3/20/11 0330	3/20/11 1630	0.01	585	6.5E-10
3/20/11 0400	3/20/11 1700	0.01	720	6.5E-10
3/20/11 0430	3/20/11 1730	0.01	990	5.0E-10
3/20/11 0500	3/20/11 1800	0.01	900	5.0E-10
3/20/11 0530	3/20/11 1830	0.01	720	5.0E-10
3/20/11 0600	3/20/11 1900	0.01	585	<5.0E-10
3/20/11 1700	3/21/11 0600	0.01	<450	2.3E-09
3/20/11 1800	3/21/11 0700	0.01	450	2.6E-09
3/20/11 1815	3/21/11 0715	0.01	450	2.5E-09
3/20/11 1830	3/21/11 0730	0.01	450	2.3E-09
3/20/11 1845	3/21/11 0745	0.01	450	2.5E-09
3/20/11 1900	3/21/11 0800	0.01	450	2.3E-09
3/20/11 1915	3/21/11 0815	0.01	450	2.3E-09
3/20/11 1930	3/21/11 0830	0.01	450	2.5E-09
3/20/11 1945	3/21/11 0845	0.01	450	3.0E-09
3/20/11 2000	3/21/11 0900	0.01	450	2.8E-09
3/20/11 2015	3/21/11 0915	0.01	450	2.5E-09
3/20/11 2030	3/21/11 0930	0.01	450	2.3E-09
3/20/11 2045	3/21/11 0945	0.01	450	2.0E-09
3/20/11 2100	3/21/11 1000	0.01	450	2.2E-09
3/20/11 2115	3/21/11 1015	0.01	450	2.3E-09

3/20/11 2130	3/21/11 1030	0.01	450	2.1E-09
3/20/11 2145	3/21/11 1045	0.01	450	2.0E-09
3/20/11 2200	3/21/11 1100	0.01	450	1.6E-09
3/20/11 2215	3/21/11 1115	0.01	450	1.3E-09
3/20/11 2230	3/21/11 1130	0.01	450	1.3E-09
3/20/11 2245	3/21/11 1145	0.01	495	1.4E-09
3/20/11 2315	3/21/11 1215	0.01	495	1.6E-09
3/20/11 2330	3/21/11 1230	0.01	450	1.3E-09
3/20/11 2345	3/21/11 1245	0.01	495	1.9E-09
3/21/11 0000	3/21/11 1300	0.01	450	1.2E-09
3/21/11 0015	3/21/11 1315	0.01	450	1.5E-09
3/21/11 0030	3/21/11 1330	0.01	450	1.8E-09
3/21/11 0045	3/21/11 1345	0.01	450	1.8E-09
3/21/11 0100	3/21/11 1400	0.01	450	2.5E-09
3/21/11 0115	3/21/11 1415	0.01	450	1.1E-09
3/21/11 0145	3/21/11 1445	0.01	450	8.0E-10
3/21/11 0200	3/21/11 1500	0.01	810	7.0E-10
3/21/11 0215	3/21/11 1515	0.01	945	9.5E-10
3/21/11 0230	3/21/11 1530	0.01	540	1.2E-09
3/21/11 0245	3/21/11 1545	0.01	900	9.5E-10
3/21/11 0300	3/21/11 1600	0.01	855	8.0E-10
3/21/11 0315	3/21/11 1615	0.01	945	6.5E-10
3/21/11 0330	3/21/11 1630	0.01	1350	8.5E-10
3/21/11 0345	3/21/11 1645	0.01	990	6.0E-10
3/21/11 0400	3/21/11 1700	0.01	900	7.0E-10
3/21/11 0415	3/21/11 1715	0.01	765	8.5E-10

3/21/11 0445	3/21/11 1745	0.01	855	8.5E-10
3/21/11 0545	3/21/11 1845	0.01	1845	1.2E-09
3/21/11 0615	3/21/11 1915	0.01	2025	1.0E-09
3/21/11 0645	3/21/11 1945	0.01	2025	1.5E-09
3/21/11 0715	3/21/11 2015	0.01	1800	1.5E-09
3/21/11 0745	3/21/11 2045	0.01	1575	1.3E-09
3/21/11 0815	3/21/11 2115	0.01	1800	1.3E-09
3/21/11 0845	3/21/11 2145	0.01	1800	1.0E-09
3/21/11 1029	3/21/11 2329	0.01	1800	5.0E-10
3/21/11 1148	3/22/11 0048	0.01	2025	5.0E-10
3/21/11 1430	3/22/11 0330	0.01	1800	5.0E-10
3/21/11 1630	3/22/11 0530	0.01	1575	5.0E-10
3/21/11 1730	3/22/11 0630	0.01	1575	<5.0E-10
3/21/11 1837	3/22/11 0737	0.01	1575	<5.0E-10
3/21/11 1930	3/22/11 0830	0.01	2025	<5.0E-10
3/21/11 2030	3/22/11 0930	0.01	2250	<5.0E-10
3/21/11 2130	3/22/11 1030	0.01	2025	5.0E-10
3/21/11 2230	3/22/11 1130	0.01	2025	5.0E-10
3/21/11 2330	3/22/11 1230	0.01	2250	5.0E-10
3/22/11 0030	3/22/11 1330	0.01	1800	6.0E-10
3/22/11 0130	3/22/11 1430	0.01	1710	6.5E-10
3/22/11 0230	3/22/11 1530	0.01	1800	<5.0E-10
3/22/11 0330	3/22/11 1630	0.01	1800	9.5E-10
3/22/11 0430	3/22/11 1730	0.01	1800	8.5E-10
3/22/11 0530	3/22/11 1830	0.01	1800	5.0E-10
3/22/11 0630	3/22/11 1930	0.01	1800	5.0E-10

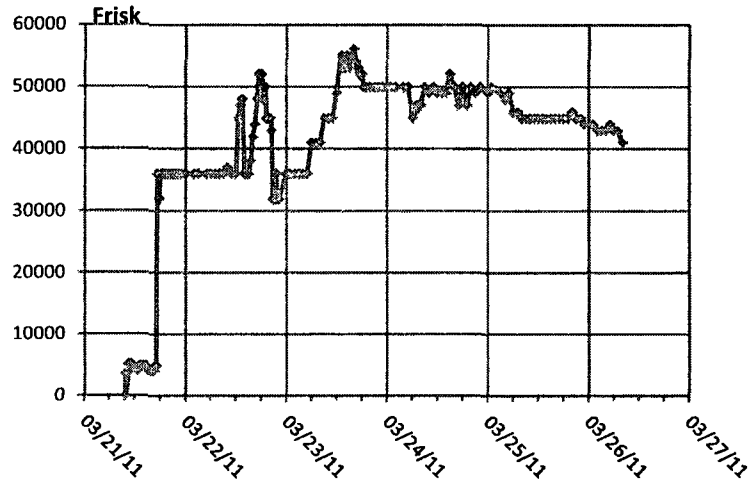
3/22/11 0730	3/22/11 2030	0.01	2025	6.0E-10
3/22/11 0830	3/22/11 2130	0.01	2025	7.5E-10
3/22/11 1030	3/22/11 2330	0.01	1800	1.4E-09
3/22/11 1130	3/23/11 0030	0.01	1800	1.7E-09
3/22/11 1330	3/23/11 0230	0.01	2700	1.5E-09
3/22/11 1430	3/23/11 0330	0.01	2700	1.3E-09
3/22/11 1630	3/23/11 0530	0.01	2700	5.0E-10
3/22/11 1730	3/23/11 0630	0.01	3150	6.0E-10
3/22/11 1830	3/23/11 0730	0.01	2925	7.0E-10
3/22/11 1930	3/23/11 0830	0.01	3600	5.0E-10
3/22/11 2030	3/23/11 0930	0.01	3600	5.0E-10
3/22/11 2130	3/23/11 1030	0.01	3825	<5.0E-10
3/22/11 2230	3/23/11 1130	0.01	4050	5.0E-10
3/22/11 2330	3/23/11 1230	0.01	4050	5.0E-10
3/23/11 0030	3/23/11 1330	0.01	4050	5.0E-10
3/23/11 0130	3/23/11 1430	0.01	3825	6.0E-10
3/23/11 0230	3/23/11 1530	0.01	4950	5.0E-10
3/23/11 0330	3/23/11 1630	0.01	5400	5.0E-10
3/23/11 0430	3/23/11 1730	0.01	5400	9.0E-10
3/23/11 0530	3/23/11 1830	0.01	5400	7.5E-10
3/23/11 0630	3/23/11 1930	0.01	3375	<5.0E-10
3/23/11 0730	3/23/11 2030	0.01	3825	5.0E-10
3/23/11 0830	3/23/11 2130	0.01	1575	5.0E-10
3/23/11 1030	3/23/11 2330	0.01	2700	<5.0E-10
3/23/11 1339	3/24/11 0239	0.01	2475	<5.0E-10
3/23/11 1500	3/24/11 0400	0.01	2475	<5.0E-10

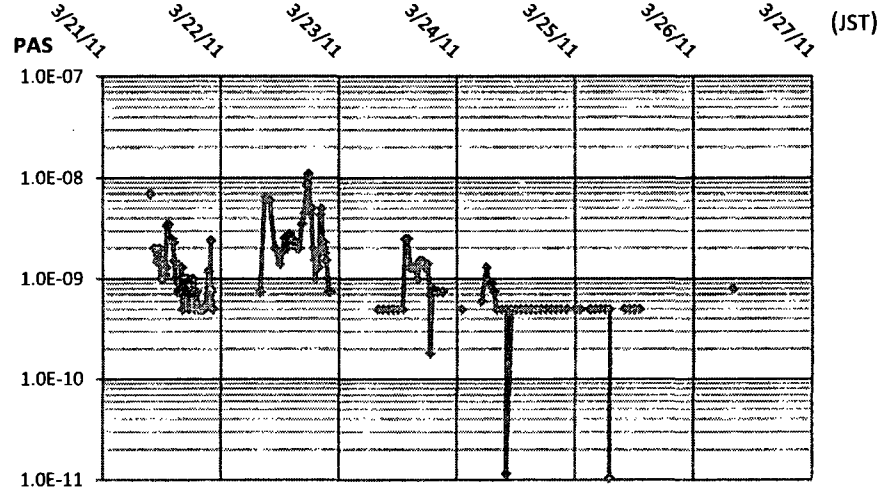
3/23/11 1900	3/24/11 0800	0.01	3375	6.0E-10	
3/23/11 2100	3/24/11 1000	0.01	3150	<5.0E-10	
3/23/11 2300	3/24/11 1200	0.01	3240	<5.0E-10	
3/24/11 0100	3/24/11 1400	0.01	3375	<5.0E-10	
3/24/11 0300	3/24/11 1600	0.01	3060	<5.0E-10	
3/24/11 0500	3/24/11 1800	0.01	3645	<5.0E-10	
3/24/11 0700	3/24/11 2000	0.01	3600	<5.0E-10	
3/24/11 1300	3/25/11 0200	0.01	3375	7.5E-10	* (see note)
3/24/11 1700	3/25/11 0600	0.01	3150	1.0E-09	* (see note)
3/24/11 1900	3/25/11 0800	0.01	3150	8.0E-10	* (see note)
3/24/11 2100	3/25/11 1000	0.01	3150	9.0E-10	* (see note)
3/24/11 2300	3/25/11 1200	0.01	3150	6.0E-10	* (see note)
3/25/11 0100	3/25/11 1400	0.01	3150	7.0E-10	* (see note)
3/25/11 0300	3/25/11 1600	0.01	3150	6.5E-10	* (see note)
3/25/11 0500	3/25/11 1800	0.01	3150	6.0E-10	* (see note)
3/25/11 0700	3/25/11 2000	0.01	5850	5.0E-10	
3/25/11 1100	3/26/11 0000	0.01	3600	5.0E-10	
3/25/11 1300	3/26/11 0200	0.01	2700	5.0E-10	
3/25/11 1500	3/26/11 0400	0.01	2700	7.5E-10	
3/25/11 1500	3/26/11 0400	0.01	2700	7.5E-10	
3/25/11 1700	3/26/11 0600	0.01	2700	1.0E-09	
3/25/11 1900	3/26/11 0800	0000	2565	8.00E-10	

* 1645 (EDT): NACCC reports possible Temp. Inv. for air samples over past 6 to 8 hours. NACCC update pending.

Ishioka (North Advance Team): LAT. 36.18N, LONG. 140.27E

55nm N of Yokosuka, 93nm S of Fukushima





Date and Time (EDT)	Date and Time (JST)	Radiation (mr/hr)	Frisk (pCi/probe)	PAS (µCi/mL)	RI (µCi/mL)	Notes
3/20/11 2035	3/21/11 0935	0.04	3600	7.0E-09		
3/20/11 2045	3/21/11 0945	NONE	NONE	NONE	1.60E-07	2045 RI results considered to be in error due to sample/analysis error. Subsequent RI samples at 2245 and 0030 on 3/21/11 were negative. Recount of the 2045 RI sample 2hrs later had no detectable activity.
3/20/11 2200	3/21/11 1100	0.04	5220	1.5E-09		
3/20/11 2125	3/21/11 1025	0.04	5220	2.0E-09		
3/20/11 2230	3/21/11 1130	0.01	4500	2.0E-09		
3/20/11 2245	3/21/11 1145	0.04	4950	1.0E-09	<1.0E-7	
3/20/11 2300	3/21/11 1200	0.01	4500	1.5E-09		
3/20/11 2315	3/21/11 1215	0.01	4500	1.0E-09		

3/20/11 2330	3/21/11 1230	0.01	4050	1.1E-09	
3/20/11 2345	3/21/11 1245	0.01	4500	1.3E-09	
3/21/11 0000	3/21/11 1300	0.06	4950	3.3E-09	
3/21/11 0015	3/21/11 1315	0.06	4950	3.5E-09	
3/21/11 0030	3/21/11 1330	0.04	4950	2.5E-09	<1.0E-7
3/21/11 0100	3/21/11 1400	0.04	4950	2.5E-09	
3/21/11 0115	3/21/11 1415	0.04	4950	2.3E-09	
3/21/11 0130	3/21/11 1430	0.04	4950	1.5E-09	
3/21/11 0145	3/21/11 1445	0.02	4050	1.0E-09	
3/21/11 0200	3/21/11 1500	0.02	4500	1.0E-09	
3/21/11 0215	3/21/11 1515	0.02	4050	7.5E-10	
3/21/11 0230	3/21/11 1530	0.02	4050	7.5E-10	
3/21/11 0245	3/21/11 1545	0.02	4500	7.5E-10	
3/21/11 0300	3/21/11 1600	0.02	4500	1.3E-09	
3/21/11 0315	3/21/11 1615	0.02	4050	5.0E-10	
3/21/11 0330	3/21/11 1630	0.01	4050	1.0E-09	
3/21/11 0345	3/21/11 1645	0.01	4950	1.0E-09	
3/21/11 0400	3/21/11 1700	0.01	4950	7.5E-10	
3/21/11 0415	3/21/11 1715	0.01	36000	1.0E-09	
3/21/11 0430	3/21/11 1730	0.01	32000	5.0E-10	
3/21/11 0445	3/21/11 1745	0.01	32000	7.5E-10	
3/21/11 0500	3/21/11 1800	0.01	36000	7.5E-10	
3/21/11 0515	3/21/11 1815	0.01	36000	1.0E-09	
3/21/11 0530	3/21/11 1830	0.01	36000	1.0E-09	
3/21/11 0545	3/21/11 1845	0.01	36000	5.0E-10	
3/21/11 0600	3/21/11 1900	0.01	36000	7.5E-10	

3/21/11 0630	3/21/11 1930	0.01	36000	5.0E-10	
3/21/11 0700	3/21/11 2000	0.01	36000	5.0E-10	
3/21/11 0730	3/21/11 2030	0.01	36000	5.0E-10	
3/21/11 0800	3/21/11 2100	0.01	36000	5.5E-10	
3/21/11 0830	3/21/11 2130	0.03	36000	1.2E-09	
3/21/11 0845	3/21/11 2145			8.2E-10	Note: The 0845 air sample data was analyzed via full isotopic analysis. The sample contained I-131 ($3.16x10^{-10}$ µCi/ml), I-132 ($8.63x10^{-11}$ µCi/ml), Te-132 ($1.26x10^{-10}$ µCi/ml), Cs-134 (1.22x10-10 µCi/ml), Cs-136 ($1.90x10^{-11}$ µCi/ml), Cs-137 ($1.51x10^{-10}$ µCi/ml).
3/21/11 0900	3/21/11 2200			2.4E-09	Note: The 0900 air sample data was analyzed via full isotopic analysis. The sample contained I-131 ($1.72x10^{-9}$ µCi/ml), I-132 ($1.43x10^{-10}$ µCi/ml), Te-132 ($2.07x10^{-10}$ µCi/ml), Cs-134 (1.16x10-10 µCi/ml), Cs-136 ($1.38x10^{-11}$ µCi/ml), Cs-137 ($1.46x10^{-10}$ µCi/ml).
3/21/11 0900	3/21/11 2200	0.02	36000	7.5E-10	
3/21/11 0930	3/21/11 2230	0.01	36000	5.0E-10	
3/21/11 1000	3/21/11 2300	0.01	36000	<5.0E-10	
3/21/11 1100	3/22/11 0000	0.01	36000	<5.0E-10	
3/21/11 1300	3/22/11 0200	0.01	36000	<5.0E-10	
3/21/11 1400	3/22/11 0300	0.01	36000	<5.0E-10	
3/21/11 1600	3/22/11 0500	0.01	36000	<5.0E-10	
3/21/11 1700	3/22/11 0600	0.01	36000	<5.0E-10	
3/21/11 1800	3/22/11 0700	0.01	36000	<5.0E-10	
3/21/11 1900	3/22/11 0800	0.01	36000	7.5E-10	

3/21/11 2000	3/22/11 0900	0.01	36000	6.5E-09
3/21/11 2100	3/22/11 1000	0.02	37000	6.0E-09
3/21/11 2200	3/22/11 1100	0.01	36000	2.0E-09
3/21/11 2300	3/22/11 1200	0.01	36000	1.4E-09
3/21/11 2330	3/22/11 1230	0.01	45000	1.8E-09
3/22/11 0000	3/22/11 1300	0.01	47000	2.5E-09
3/22/11 0030	3/22/11 1330	0.01	48000	2.0E-09
3/22/11 0100	3/22/11 1400	0.01	36000	2.8E-09
3/22/11 0130	3/22/11 1430	0.02	36000	2.5E-09
3/22/11 0200	3/22/11 1500	0.01	36000	2.3E-09
3/22/11 0230	3/22/11 1530	0.01	38000	2.0E-09
3/22/11 0300	3/22/11 1600	0.01	42000	2.0E-09
3/22/11 0330	3/22/11 1630	0.01	44000	3.5E-09
3/22/11 0400	3/22/11 1700	0.01	48000	4.5E-09
3/22/11 0430	3/22/11 1730	0.01	52000	8.5E-09
3/22/11 0445	3/22/11 1745	0.02	52000	1.1E-08
3/22/11 0500	3/22/11 1800	0.02	52000	1.0E-08
3/22/11 0515	3/22/11 1815	0.02	52000	4.5E-09
3/22/11 0530	3/22/11 1830	0.01	48000	5.0E-09
3/22/11 0545	3/22/11 1845	0.02	50000	2.0E-09
3/22/11 0600	3/22/11 1900	0.01	50000	1.5E-09
3/22/11 0615	3/22/11 1915	0.02	45000	1.0E-09
3/22/11 0630	3/22/11 1930	0.02	45000	1.5E-09
3/22/11 0645	3/22/11 1945	0.02	45000	1.3E-09
3/22/11 0700	3/22/11 2000	0.02	45000	1.8E-09
3/22/11 0715	3/22/11 2015	0.02	45000	4.3E-09

3/22/11 0730	3/22/11 2030	0.04	43000	5.0E-09
3/22/11 0745	3/22/11 2045	0.04	32000	2.0E-09
3/22/11 0800	3/22/11 2100	0.04	32000	2.3E-09
3/22/11 0815	3/22/11 2115	0.03	32000	1.8E-09
3/22/11 0830	3/22/11 2130	0.01	36000	1.5E-09
3/22/11 0845	3/22/11 2145	0.03	32000	1.0E-09
3/22/11 0900	3/22/11 2200	0.03	32000	7.5E-10
3/22/11 0915	3/22/11 2215	0.03	32000	7.5E-10
3/22/11 1100	3/23/11 0000	0.03	36000	<5.0E-10
3/22/11 1130	3/23/11 0030	0.02	36000	<5.0E-10
3/22/11 1200	3/23/11 0100	0.02	36000	<5.0E-10
3/22/11 1300	3/23/11 0200	0.02	36000	<5.0E-10
3/22/11 1400	3/23/11 0300	0.02	36000	<5.0E-10
3/22/11 1500	3/23/11 0400	0.01	36000	<5.0E-10
3/22/11 1600	3/23/11 0500	0.02	36000	<5.0E-10
3/22/11 1700	3/23/11 0600	0.01	41000	<5.0E-10
3/22/11 1800	3/23/11 0700	0.03	41000	<5.0E-10
3/22/11 1900	3/23/11 0800	0.03	41000	5.0E-10
3/22/11 2000	3/23/11 0900	0.03	45000	5.0E-10
3/22/11 2100	3/23/11 1000	0.03	45000	5.0E-10
3/22/11 2200	3/23/11 1100	0.03	45000	5.0E-10
3/22/11 2300	3/23/11 1200	0.03	49000	5.0E-10
3/23/11 0000	3/23/11 1300	0.03	55000	5.0E-10
3/23/11 0030	3/23/11 1330	0.03	53000	2.5E-09
3/23/11 0100	3/23/11 1400	0.03	53000	2.5E-09
3/23/11 0130	3/23/11 1430	0.03	55000	1.3E-09

3/23/11 0200	3/23/11 1500	0.03	53000	1.3E-09
3/23/11 0230	3/23/11 1530	0.03	55000	1.3E-09
3/23/11 0300	3/23/11 1600	0.03	56000	1.0E-09
3/23/11 0330	3/23/11 1630	0.03	54000	1.5E-09
3/23/11 0400	3/23/11 1700	0.04	53000	1.5E-09
3/23/11 0430	3/23/11 1730	0.03	52000	1.3E-09
3/23/11 0500	3/23/11 1800	0.03	52000	1.4E-09
3/23/11 0530	3/23/11 1830	0.03	50000	7.0E-10
3/23/11 0530	3/23/11 1830			1.8E-10
3/23/11 0600	3/23/11 1900	0.03	50000	8.0E-10
3/23/11 0700	3/23/11 2000	0.03	50000	7.5E-10
3/23/11 0800	3/23/11 2100	0.03	50000	7.5E-10
3/23/11 0900	3/23/11 2200	0.02	50000	<5.0E-10
3/23/11 1000	3/23/11 2300	0.02	50000	<5.0E-10
3/23/11 1100	3/24/11 0000	0.02	50000	<5.0E-10
3/23/11 1200	3/24/11 0100	0.02	50000	5.0E-10
3/23/11 1300	3/24/11 0200	0.02	50000	<5.0E-10
3/23/11 1500	3/24/11 0400	0.02	50000	<5.0E-10
3/23/11 1600	3/24/11 0500	0.02	50000	6.0E-10
3/23/11 1700	3/24/11 0600	0.01	45000	1.3E-09
3/23/11 1730	3/24/11 0630	0.02	46000	9.0E-10
3/23/11 1800	3/24/11 0700	0.02	47000	9.0E-10
3/23/11 1830	3/24/11 0730	0.02	47000	7.5E-10

Note: The 1830 air sample was analyzed via full isotopic analysis, and contained I-131 (1.75×10^{-10} µCi/ml), Cs-137 (4.13×10^{-12} µCi/ml), Cs-134 (2.19×10^{-12} µCi/ml).

3/23/11 1900	3/24/11 0800	0.02	47000	5.0E-10	
3/23/11 2000	3/24/11 0900	0.02	50000	5.0E-10	
3/23/11 2100	3/24/11 1000	0.02	49000	5.0E-10	
3/23/11 2100	3/24/11 1000			1.1E-11	Note: The 1000 air sample was identified as North Adv. team. Data was analyzed via full isotopic analysis, and contained I-131.
3/23/11 2200	3/24/11 1100	0.03	50000	5.0E-10	
3/23/11 2300	3/24/11 1200	0.03	49000	5.0E-10	
3/24/11 0000	3/24/11 1300	0.03	49000	5.0E-10	
3/24/11 0100	3/24/11 1400	0.01	49000	5.0E-10	
3/24/11 0200	3/24/11 1500	0.03	52000	5.0E-10	
3/24/11 0300	3/24/11 1600	0.03	50000	5.0E-10	
3/24/11 0400	3/24/11 1700	0.03	47000	5.0E-10	
3/24/11 0500	3/24/11 1800	0.03	50000	5.0E-10	
3/24/11 0600	3/24/11 1900	0.03	47000	5.0E-10	
3/24/11 0700	3/24/11 2000	0.03	50000	5.0E-10	
3/24/11 0800	3/24/11 2100	0.03	49000	5.0E-10	* (see note)
3/24/11 0913	3/24/11 2213	0.03	50000	5.0E-10	* (see note)
3/24/11 1100	3/25/11 0000	0.03	49000	5.0E-10	* (see note)
3/24/11 1200	3/25/11 0100	0.03	50000	5.0E-10	* (see note)
3/24/11 1400	3/25/11 0300	0.03	49000	5.0E-10	* (see note)
3/24/11 1500	3/25/11 0400	0.03	48000	5.0E-10	* (see note)
3/24/11 1600	3/25/11 0500	0.03	49000	5.0E-10	* (see note)
3/24/11 1700	3/25/11 0600	0.03	46000	5.0E-10	* (see note)
3/24/11 1800	3/25/11 0700	0.03	46000	5.0E-10	* (see note)

3/24/11 1800	3/25/11 0700			1.1E-11
3/24/11 1900	3/25/11 0800	0.03	45000	<5.0E-10
3/24/11 2000	3/25/11 0900	0.03	45000	<5.0E-10
3/24/11 2100	3/25/11 1000	0.03	45000	5.0E-10
3/24/11 2200	3/25/11 1100	0.03	45000	5.0E-10
3/24/11 2300	3/25/11 1200	0.03	45000	5.0E-10
3/25/11 0000	3/25/11 1300	0.03	45000	5.0E-10
3/25/11 0100	3/25/11 1400	0.03	45000	<5.0E-10
3/25/11 0200	3/25/11 1500	0.03	45000	<5.0E-10
3/25/11 0300	3/25/11 1600	0.03	45000	<5.0E-10
3/25/11 0400	3/25/11 1700	0.03	45000	<5.0E-10
3/25/11 0500	3/25/11 1800	0.03	45000	<5.0E-10
3/25/11 0600	3/25/11 1900	0.03	45000	<5.0E-10
3/25/11 0700	3/25/11 2000	0.03	4.60E+04	<5.0E-10
3/25/11 0800	3/25/11 2100	0.03	4.50E+04	<5.0E-10
3/25/11 0900	3/25/11 2200	0.03	4.50E+04	<5.0E-10
3/25/11 1000	3/25/11 2300	0.03	4.40E+04	<5.0E-10
3/25/11 1100	3/26/11 0000	0.03	4.40E+04	<5.0E-10
3/25/11 1200	3/26/11 0100	0.03	4.40E+04	<5.0E-10
3/25/11 1300	3/26/11 0200	0.03	4.30E+04	<5.0E-10
3/25/11 1400	3/26/11 0300	0.03	4.30E+04	<5.0E-10
3/25/11 1500	3/26/11 0400	0.03	4.30E+04	<5.0E-10
3/25/11 1600	3/26/11 0500	0.03	4.40E+04	<5.0E-10
3/25/11 1700	3/26/11 0600	0.03	4.30E+04	<5.0E-10

Note: The 0700 air sample was identified as North Adv. team. Data was analyzed via full isotopic analysis, and contained I-131.

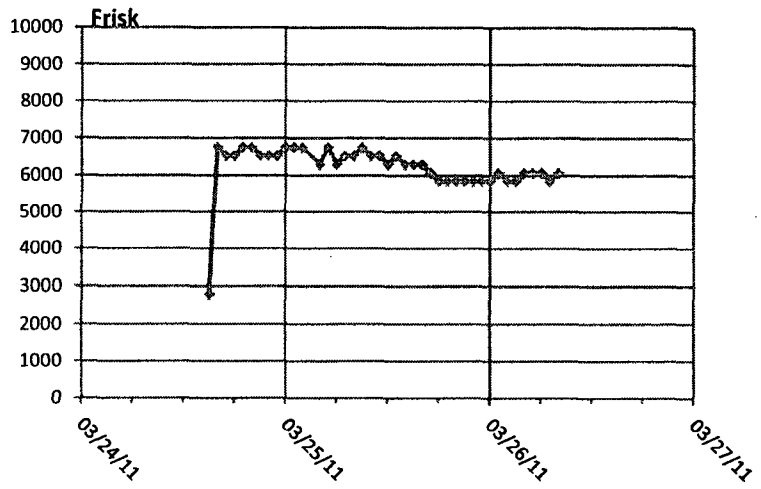
* (see note)

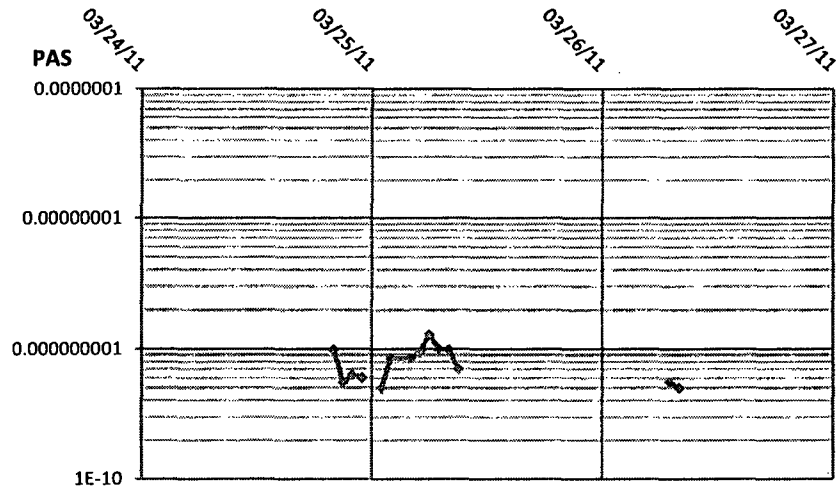
3/25/11 1800	3/26/11 0700	0.01	4.30E+04	<5.0E-10
3/25/11 1900	3/26/11 0800	0.03	4.10E+04	8.0E-10

* 1645 (EDT): NACCC reports possible Temp. Inv. for air samples over past 6 to 8 hours. NACCC update pending.

Tsukuba: LAT. 36.04N, LONG. 140.06E

~60 miles north-east of Yokosha and 106 miles south of Fukushima





Date and Time (EDT)	Date and Time (JST)	Radiation (mr/hr)	Frisk (pCi/probe)	PAS (µCi/mL)	Notes
3/23/11 2330	3/24/11 1230	0.01		<5.0E-10	First Entry
3/24/11 0000	3/24/11 1300	0.01		<5.0E-10	
3/24/11 0000	3/24/11 1300			1.2E-11	Note: The 1300 air sample was analyzed via full isotopic analysis, and contained I-131.
3/24/11 0200	3/24/11 1500	0.01	2790	<5.0E-10	
3/24/11 0300	3/24/11 1600	0.01	6750	<5.0E-10	
3/24/11 0400	3/24/11 1700	0.01	6525	<5.0E-10	
3/24/11 0500	3/24/11 1800	0.01	6525	<5.0E-10	
3/24/11 0600	3/24/11 1900	0.01	6750	<5.0E-10	
3/24/11 0700	3/24/11 2000	0.01	6750	1.0E-09	
3/24/11 0800	3/24/11 2100	0.01	6525	5.5E-10	

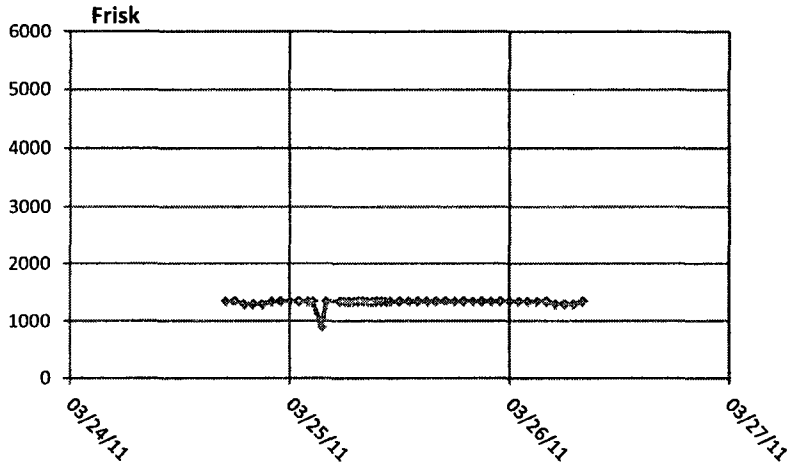
3/24/11 0900	3/24/11 2200	0.01	6525	6.3E-10	* (see note)
3/24/11 1000	3/24/11 2300	0.01	6525	6.0E-10	* (see note)
3/24/11 1100	3/25/11 0000	0.01	6750	<5.0E-10	* (see note)
3/24/11 1200	3/25/11 0100	0.01	6750	5.0E-10	* (see note)
3/24/11 1300	3/25/11 0200	0.01	6750	8.5E-10	* (see note)
3/24/11 1500	3/25/11 0400	0.01	6300	8.5E-10	* (see note)
3/24/11 1600	3/25/11 0500	0.01	6750	9.5E-10	* (see note)
3/24/11 1700	3/25/11 0600	0.01	6300	1.3E-09	* (see note)
3/24/11 1800	3/25/11 0700	0.01	6525	1.0E-09	* (see note)
3/24/11 1900	3/25/11 0800	0.01	6525	1.0E-09	
3/24/11 2000	3/25/11 0900	0.01	6750	7.0E-10	
3/24/11 2100	3/25/11 1000	0.01	6525	<5.0E-10	
3/24/11 2200	3/25/11 1100	0.01	6525	<5.0E-10	
3/24/11 2300	3/25/11 1200	0.01	6300	<5.0E-10	
3/25/11 0000	3/25/11 1300	0.01	6525	<5.0E-10	
3/25/11 0100	3/25/11 1400	0.01	6300	<5.0E-10	
3/25/11 0200	3/25/11 1500	0.01	6300	<5.0E-10	
3/25/11 0300	3/25/11 1600	0.01	6300	<5.0E-10	
3/25/11 0400	3/25/11 1700	0.01	6075	<5.0E-10	
3/25/11 0500	3/25/11 1800	0.01	5850	<5.0E-10	
3/25/11 0600	3/25/11 1900	0.01	5850	<5.0E-10	
3/25/11 0700	3/25/11 2000	0.01	5850	<5.0E-10	
3/25/11 0800	3/25/11 2100	0.01	5850	<5.0E-10	
3/25/11 0900	3/25/11 2200	0.01	5850	<5.0E-10	
3/25/11 1000	3/25/11 2300	0.01	5850	<5.0E-10	
3/25/11 1100	3/26/11 0000	0.01	5850	<5.0E-10	

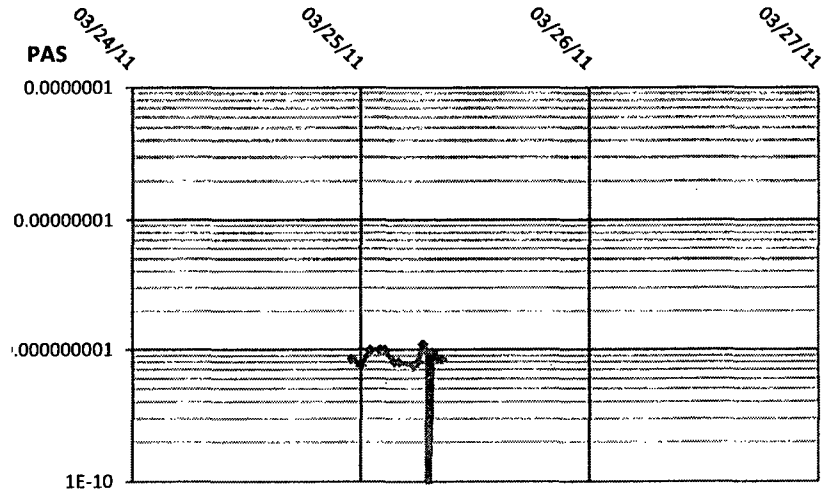
3/25/11 1200	3/26/11 0100	0.01	6075	<5.0E-10
3/25/11 1300	3/26/11 0200	0.01	5850	<5.0E-10
3/25/11 1400	3/26/11 0300	0.01	5850	<5.0E-10
3/25/11 1500	3/26/11 0400	0.01	6075	<5.0E-10
3/25/11 1600	3/26/11 0500	0.01	6075	<5.0E-10
3/25/11 1700	3/26/11 0600	0.01	6075	<5.0E-10
3/25/11 1800	3/26/11 0700	0.01	5850	5.5E-10
3/25/11 1900	3/26/11 0800	0.01	6075	5.0E-10

* 1645 (EDT): NACCC reports possible Temp. Inv. for air samples over past 6 to 8 hours. NACCC update pending.

Oyama: LAT. 36.2975N, LONG. 139.82199E

~72 miles north of Yokosuka and 100 miles south of Fukushima





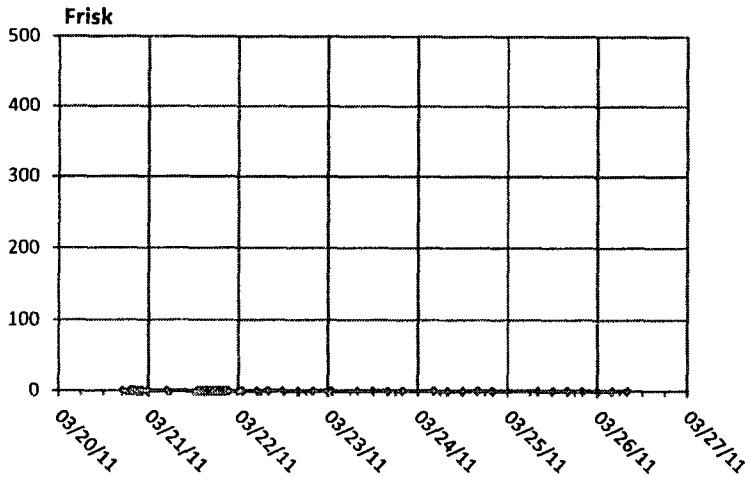
Date and Time (EDT)	Date and Time (JST)	Radiation (mr/hr)	Frisk (pCi/probe)	PAS (µCi/mL)	Notes
3/24/11 0330	3/24/11 1630	0.01		<5.0E-10	First Entry
3/24/11 0400	3/24/11 1700	0.01	1350	<5.0E-10	
3/24/11 0500	3/24/11 1800	0.01	1350	<5.0E-10	
3/24/11 0500	3/24/11 1800			1.3E-11	Note: The 1800 air sample was analyzed via full isotopic analysis, and contained I-131.
3/24/11 0600	3/24/11 1900	0.01	1305	<5.0E-10	
3/24/11 0700	3/24/11 2000	0.01	1305	<5.0E-10	
3/24/11 0800	3/24/11 2100	0.01	1305	<5.0E-10	* (see note)
3/24/11 0900	3/24/11 2200	0.01	1350	<5.0E-10	* (see note)
3/24/11 1000	3/24/11 2300	0.01	1350	8.5E-10	* (see note)

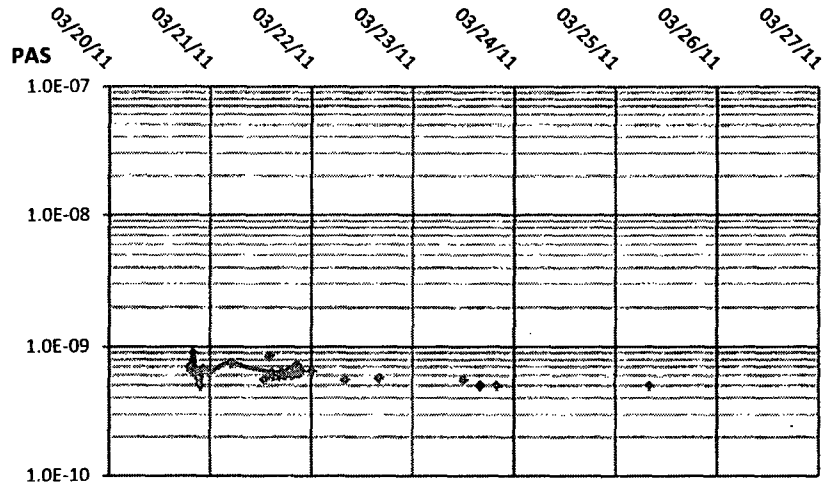
3/24/11 1100	3/25/11 0000	0.01	1350	7.5E-10	* (see note)
3/24/11 1200	3/25/11 0100	0.01	1350	1.0E-09	* (see note)
3/24/11 1300	3/25/11 0200	0.01	1350	1.0E-09	* (see note)
3/24/11 1330	3/25/11 0230	0.01	1350	1.0E-09	* (see note)
3/24/11 1430	3/25/11 0330	0.01	900	8.0E-10	* (see note)
3/24/11 1500	3/25/11 0400	0.01	1350	8.0E-10	* (see note)
3/24/11 1630	3/25/11 0530	0.01	1350	7.5E-10	* (see note)
3/24/11 1700	3/25/11 0600	0.01	1350	8.0E-10	* (see note)
3/24/11 1730	3/25/11 0630	0.01	1350	1.1E-09	* (see note)
3/24/11 1800	3/25/11 0700	0.01	1350	9.5E-10	* (see note)
3/24/11 1800	3/25/11 0700			1.2E-11	Note: The 0700 air sample was analyzed via full isotopic analysis, and contained I-131.
3/24/11 1830	3/25/11 0730	0.01	1350	9.5E-10	* (see note)
3/24/11 1900	3/25/11 0800	0.01	1350	8.5E-10	* (see note)
3/24/11 1930	3/25/11 0830	0.01	1350	8.5E-10	* (see note)
3/24/11 2000	3/25/11 0900	0.01	1350	<5.0E-10	
3/24/11 2030	3/25/11 0930	0.01	1350	<5.0E-10	
3/24/11 2100	3/25/11 1000	0.01	1350	<5.0E-10	
3/24/11 2130	3/25/11 1030	0.01	1350	<5.0E-10	
3/24/11 2200	3/25/11 1100	0.01	1350	<5.0E-10	
3/24/11 2300	3/25/11 1200	0.01	1350	<5.0E-10	
3/25/11 0000	3/25/11 1300	0.01	1350	<5.0E-10	
3/25/11 0100	3/25/11 1400	0.01	1350	<5.0E-10	
3/25/11 0200	3/25/11 1500	0.01	1350	<5.0E-10	
3/25/11 0300	3/25/11 1600	0.01	1350	<5.0E-10	

3/25/11 0400	3/25/11 1700	0.01	1350	<5.0E-10
3/25/11 0500	3/25/11 1800	0.01	1350	<5.0E-10
3/25/11 0600	3/25/11 1900	0.01	1350	<5.0E-10
3/25/11 0700	3/25/11 2000	0.01	1350	<5.0E-10
3/25/11 0800	3/25/11 2100	0.01	1350	<5.0E-10
3/25/11 0900	3/25/11 2200	0.01	1350	<5.0E-10
3/25/11 1000	3/25/11 2300	0.01	1350	<5.0E-10
3/25/11 1100	3/26/11 0000	0.01	1350	<5.0E-10
3/25/11 1200	3/26/11 0100	0.01	1350	<5.0E-10
3/25/11 1300	3/26/11 0200	0.01	1350	<5.0E-10
3/25/11 1400	3/26/11 0300	0.01	1350	<5.0E-10
3/25/11 1500	3/26/11 0400	0.01	1350	<5.0E-10
3/25/11 1600	3/26/11 0500	0.01	1305	<5.0E-10
3/25/11 1700	3/26/11 0600	0.01	1305	<5.0E-10
3/25/11 1800	3/26/11 0700	0.01	1305	<5.0E-10
3/25/11 1900	3/26/11 0800	0.01	1350	<5.0E-10

* 1645 (EDT): NACCC reports possible Temp. Inv. for air samples over past 6 to 8 hours. NACCC update pending.

Misawa NAS: LAT. 40.71N, LONG. 141.37E





Date and Time (EDT)	Date and Time (JST)	Radiation (mr/hr)	Frisk (pCi/probe)	PAS (µCi/mL)	Notes
3/20/11 0400	3/20/11 1700	0.01	<450	<5.0E-10	
3/20/11 0600	3/20/11 1900	0.01	<450	7.0E-10	
3/20/11 0630	3/20/11 1930	0.01	<450	6.5E-10	
3/20/11 0700	3/20/11 2000	0.01	<450	9.0E-10	
3/20/11 0730	3/20/11 2030	0.01	<450	6.3E-10	
3/20/11 0800	3/20/11 2100	0.01	<450	5.8E-10	
3/20/11 0830	3/20/11 2130	0.01	<450	6.5E-10	
3/20/11 0845	3/20/11 2145	0.01	<450	5.0E-10	
3/20/11 0900	3/20/11 2200	0.01	<450	6.5E-10	
3/20/11 0915	3/20/11 2215	0.01	<450	6.8E-10	
3/20/11 1049	3/20/11 2349	0.01	<450	6.3E-10	

3/20/11 1600	3/21/11 0500	0.01	<450	7.5E-10
3/21/11 0000	3/21/11 1300	0.01	<450	5.6E-10
3/21/11 0030	3/21/11 1330	0.01	<450	<5.0E-10
3/21/11 0100	3/21/11 1400	0.01	<450	8.5E-10
3/21/11 0130	3/21/11 1430	0.01	<450	6.3E-10
3/21/11 0200	3/21/11 1500	0.01	<450	5.9E-10
3/21/11 0230	3/21/11 1530	0.01	<450	<5.0E-10
3/21/11 0300	3/21/11 1600	0.01	<450	6.0E-10
3/21/11 0330	3/21/11 1630	NONE	<450	5.9E-10
3/21/11 0400	3/21/11 1700	0.01	<450	6.3E-10
3/21/11 0430	3/21/11 1730	0.01	<450	6.0E-10
3/21/11 0500	3/21/11 1800	0.01	<450	6.0E-10
3/21/11 0530	3/21/11 1830	0.01	<450	6.5E-10
3/21/11 0600	3/21/11 1900	0.01	<450	6.5E-10
3/21/11 0630	3/21/11 1930	0.01	<450	6.0E-10
3/21/11 0700	3/21/11 2000	0.01	<450	6.5E-10
3/21/11 0730	3/21/11 2030	0.01	<450	7.3E-10
3/21/11 0800	3/21/11 2100	0.01	<450	6.3E-10
3/21/11 0830	3/21/11 2130	0.01	<450	6.5E-10
3/21/11 1100	3/22/11 0000	0.01	<450	6.5E-10
3/21/11 1200	3/22/11 0100	0.01	<450	<5.0E-10
3/21/11 1600	3/22/11 0500	0.01	<450	<5.0E-10
3/21/11 1900	3/22/11 0800	0.01	<450	5.50E-10
3/21/11 2300	3/22/11 1200	0.01	<450	<5.0E-10
3/22/11 0300	3/22/11 1600	0.01	<450	5.70E-10
3/22/11 0700	3/22/11 2000	0.01	<450	<5.0E-10

3/22/11 1100	3/23/11 0000	0.01	<450	<5.0E-10
3/22/11 1200	3/23/11 0100	0.01	<450	<5.0E-10
3/22/11 1900	3/23/11 0800	0.01	<450	<5.0E-10
3/22/11 2300	3/23/11 1200	0.01	<450	5.5E-10
3/23/11 0300	3/23/11 1600	0.01	<450	5.0E-10
3/23/11 0700	3/23/11 2000	0.01	<450	5.0E-10
3/23/11 1514	3/24/11 0414	0.01	<450	<5.0E-10
3/23/11 1900	3/24/11 0800	0.01	<450	<5.0E-10
3/23/11 2300	3/24/11 1200	0.01	<450	<5.0E-10
3/24/11 0300	3/24/11 1600	0.01	<450	<5.0E-10
3/24/11 0700	3/24/11 2000	0.01	<450	<5.0E-10
3/24/11 1900	3/25/11 0800	0.01	<450	5.0E-10
3/24/11 2300	3/25/11 1200	0.01	<450	<5.0E-10
3/25/11 0300	3/25/11 1600	0.01	<450	<5.0E-10
3/25/11 0700	3/25/11 2000	0.01	<450	<5.0E-10
3/25/11 1100	3/26/11 0000	0.01	<450	<5.0E-10
3/25/11 1500	3/26/11 0400	0.01	<450	<5.0E-10
3/25/11 1900	3/26/11 0800	0.01	<450	<5.0E-10

From: Smith, Brooke
Sent: Saturday, March 26, 2011 7:06 PM
To: LIA03 Hoc
Subject: Re: Jaczko Japan

Thanks. Please keep us informed. This is going to be a lot of work for us, especially Kirk. They didn't even talk to Margie about it.

Sent from an NRC Blackberry.
Brooke G. Smith
(b)(6)

From: LIA03 Hoc
To: Liaison Japan
Cc: LIA02 Hoc
Sent: Sat Mar 26 18:51:33 2011
Subject: Jaczko Japan

All,
Please keep this information close-hold.

His office has not provided us with his travel plans at this time. He is hoping to catch the 10:00PM flight (with stopover in London). As soon as I have any details, I will pass this along.

This came as a total surprise to us too! Let me know if you have any questions.

Thanks!
-Jenny

UUUU/26

From: LIA03 Hoc
Sent: Saturday, March 26, 2011 10:58 PM
To: LIA02 Hoc
Cc: Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; LIA02 Hoc; LIA07 Hoc; LIA06 Hoc; LIA08 Hoc; Owens, Janice
Subject: TRANSITION REPORT FOR MARCH 26, 2011 - 2300

~~OFFICIAL USE ONLY~~

TRANSITION REPORT FOR MARCH 26, 2011 – 2300

Jenny and Janice to Elizabeth

UPDATES DURING THIS SHIFT

- **Daily calls with UK/France/Canada.** 0930 daily call with the RST and the 1400 call with the PMT. Call will not occur over the weekend and maybe compressed to only have the 9:30 with both RST and PMT together. **The new number to call into for the RST call is** (b)(6) **and the pin is** (b)(6)
- **2130 Daily DOS Interagency call.** Note: 3/26 call canceled but confirmed that 3/27 call will take place.
- **Coordination of IAEA and U.S. Efforts.** It appears that DoD (Navy) is taking a logistical leadership role in coordinating efforts for the U.S. government. This information will need to be coordinated with both the IAEA international coordinating team as well as the INPO representative. NRC is interested in knowing what other countries are providing in support to Japan. Email was sent to NRC IAEA Attache' and NRC IAEA desk officer to pursue a path forward. **Action:** Attache' and desk officer will report if they need any further from the LT, ET may inquire about path forward.
- **Assistance to Navy (Pacific Command).** Vince Holahan will be performing a coordinating role with Admiral Willard in Honolulu, HI. Vince was added to the Japan traveler list and the Liaison Japan distribution list (along with Elmo Collins). Updates to the Liaison Japan distribution list is done through Cris Brown.
- **Consideration of J-village Relocation.** J-village in Fukushima prefecture is 12.5 miles from the Daiichi site. It appears that a lot of the work on the ground is being staged there so C. Casto suggested that the Japan team move their headquarters to J-village; he will be onsite at J-Village 3/27 to check it out. There is a hotel and restaurant on-site (previously this site was used as a training center for the Japan national soccer team). This information was provided to the ET, the translator has bookmarked the Japanese language websites that have the information in case we get further questions on the site. TEPCO, NISA, MoD and Special Defense Forces are stationed at J-village. It is the 1st level of information and is unfiltered and is where workers go for decontamination after working their shifts. Due to the proximity of the site to the damaged plant, during the 3/26 meeting with Chuck Casto the ET suggested that if NRC personnel embed there, that HP support may be needed. Chuck and John will be onsite 3/27 (7:30AM Japan time) flying in by helicopter and will hear presentations on what actions agencies are doing at J-village with 1 hour for Q&A.
- **Deputies Committee Decisions and Action Items:** The ET would like to capture decisions taken and action items of this Committee detailed in summary reports from the Deputies Committees meetings (which the Chairman attends). They wish to capture not only those impacting the NRC but other agencies involved as well. The 2300-0700 shift pulled the reports from emails sent to the LT director and saved them in M:\LT\White House. Also in M:\LT there is a summary spreadsheet containing what we have. Since several dates are missing the ET team asked us to call Annette Vietti-Cook (who is on the distribution list and who sent the reports to the ET Director) and see if she has others (an email

UUUU / 27

message was sent to her from LIA03 at 3:36 am on 3/26 containing the spreadsheet indicating which ones are missing). In addition, the Federal Liaison put together a power point designed to show which agency has taken which decisions or actions, and also how our teams would interact. Called Annette Vietti-Cook to follow up on the email message regarding whether she has any missing reports to send us. She sent us all that she had. Have reviewed the reports and provided a report to the LT Director and Coordinator on NRC actions. This report was shared with ET. **Action:** Annette will be sending us the meeting summaries when she gets them. They need to be placed in the White House file and then search for NRC actions and update the running list. Forward to the LT Director and Coordinator.

- **Emche Blackberry Voicemail Problems.** Forwarded directions from TSC to Danielle on how to access her voicemail. **Action:** March 26/27 (2300-0700 shift) Followup with Danielle to make sure she can get access and confirm hers and Eric's blackberry numbers).
- **Commissioner Apostolakis Request.** Commissioner wants login information for IAEA's website system termed PRIS. Email sent to Jen S. and Mark S. to request this information so he will not have to register. **Action:** Follow-up with Mark on the 3/26 (2300-0700) overnight shift to get him access.

FUTURE ACTIONS/OPEN ITEMS

- **Request for meteorological data.** PMT sent a request for us to pass to the Japan Embassy Task Force regarding a need for specific meteorological data. We forwarded the request to the Task Force and received a reply from a Mona Camacho indicating she was passing it to the appropriate people. Naomi Walcott of Japan Embassy replied wanting to know the specific website PMT found the original data. PMT responded with the website in an email. **Action:** If you receive further communication, please ensure PMT is cc on the email and walk a hard copy back to the meteorologists.
- **Japan Relief Team.**
  - **Dosimetry:** LIA03 sent an email to LiasonJapan (original team) asking for them to email back their dosimetry numbers. The initial team sent over was in such a rush that the Headquarters Radiation Safety Officer, John O'Donnell, never recorded which dosimeter was assigned to which staff member. If dosimeter numbers (on the back) are received directly to the international liaison desks they should be forwarded to John O'Donnell and entered into a word document on LIA03. The RSO has also asked original team members to indicate whether they intend to stay in Japan past the end of the month. If an original team member indicates that they intend to stay past the end of the month, we need to inform the RSO and ensure that an outgoing team member bring that person a replacement dosimeter. Brooke Smith is the last person from the original team leaving Japan on 3/31/2011.
  - Cris Brown has advised that, rather than asking the relief team to carry additional satellite phones to Japan, the current team should turn ownership of the two satellite phones already over there to a new member of the relief team. The travelers have been advised to work with the current team to determine who should take ownership, then provide that name to Cris Brown and LIA02/LIA03. **Action:** When name is provided, ensure that Cris Brown has it.
- **NRC Travelers Return Checklist.** Completed a draft of the checklist and sent it to Michele Evans. Document is located on LIA02 desktop. **No further action required until Michele responds.**
- **Request from U.S. Forces Japan.** LT Director received a request for specific reactor information from USFJ in preparation for some bilateral. International liaisons gave NRC team in Japan a heads up that the request had come in. LT Director replied to the request indicating that we have a team in Japan and that, rather than duplicate the requests the USG is making of the Japanese, it would be more efficient for USFJ to coordinate with us. LIA02 and 03 were provided as email addresses for USFJ to communicate with. **Action:** You may receive a request for information from USFJ that you would then coordinate with our team in Japan.
- **IAEA Coordination**. The ET had tasked us with understanding the role of the IAEA's Incident and Emergency Centre (IEC) and what the extent of their role is if Japan does not make a formal request to them under the Assistance Convention. We suggested that the IEC serve as a clearinghouse, keeping track of all requests for assistance from Japan, all offers to assist from other countries, who has provided what, and whether it satisfies the requests. Mark Shaffer met with Elena Buglova, Acting Director of the IEC, at approximately 0600 EDT. He provided a write-up of that meeting (in LIA02 and

03 email inboxes) to Margie. Subsequently, Ms. Buglova wrote to thank Mark for the meeting and she posted the current spreadsheet of what IAEA is tracking on ENAC (hard copy on LIA02 desk). Update: Ms. Buglova has asked the U.S. to update its entries on the spreadsheet. Jen sent the request to Margie for her views. There is still an open task on the task tracker, but we have tried to manage expectations about the extent to which NRC can "complete a task" on this subject. We have told the LT Director that OIP will keep the ET informed of developments on this issue. **Action:** We need to talk to Margie about how she'd like us to proceed with responding to IAEA's request. Continue to follow this and expect questions from ET and LT Director.

- **Translators.** The translators are working very hard but we are starting to notice duplication of efforts. This is largely due to shift changes here and in the technical teams that results in a lack of knowledge/awareness that previous versions of a document (especially monitoring data) were already translated. The result is that multiple translators are working on the same document or working to translate an entire document when a previous version was already provided to the appropriate team and only the numbers have been updated. Also, translators are often working for a long time on a document which has subsequently been published in English. **Action 1:** Please monitor NISA's English language site and ENAC and make sure that you inform the translators when a document is posted in English, so that if they are working on it they can stop and move on to something else. **Action 2:** Please ensure that the PMT and RST are keeping the translated data we provide them, in particular if a document can serve as a "key" to interpreting future data. **Action 3:** Make sure that the translated documents are marked appropriately (OUO- Sensitive Foreign Government Information).
- **Daily calls with UK/France/Canada.** Calls will take place tomorrow, 3/22, at 0930 with RST and at 1500 with PMT to discuss reactor-related and radiation-related information, respectively, with regulatory representatives from these three countries. Everyone should call into the HOO to be connected. Call will not occur over the weekend and maybe compressed to only have the 9:30 with both RST and PMT together. **The new number to call into for the RST call is** (b)(6) **and the pin is** (b)(6)
- **Daily NRC Japan Team – RST/PMT Call.** Next call scheduled for 0300. RST and PMT have been notified of the call and international liaison should plan on participating (Brooke and Kirk don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)
- **21:30 Interagency Call.**
- **Deputies Committee Decisions and Action Items: Action:** Annette will be sending us the meeting summaries when she gets them. They need to be placed in the White House file and then search for NRC actions and update the running list. Forward to the LT Director and Coordinator.
- **1900 3/26 EDT call with IA and industry stakeholders:** The call was originally set up to discuss the list of items requested by the government of Japan (and already postponed once). Alan Blamey called and asked to again postpone this call until further notice because DOE can't participate until they coordinate with their headquarters counterparts on several issues. Since DOE has half the items on the list, the call would be unproductive without them in attendance. Alan Blamey will let us know when DOE can participate in the call, and hence when the call should be held. This was communicated to the LT coordinator, who spread the word regarding the postponement. Talked to Alan Blamey, DOE does not want to be part of future calls since they get their tasking at the White House Deputies Committee meetings. Alan also discussed with LT Director, who asked the ET if meeting should be cancelled, still awaiting an answer.
- **RST Recommendations:** In reference to the white paper that the RST is writing containing technical recommendations for the Japanese (which will need interagency and consortium stakeholder concurrence), Chuck Casto relayed that Ambassador Roos wants to attach the final recommendations to a document from DOS and submit it to the Japanese side. The ET said that this was not a good idea. Following the call, Chuck Casto did touch base with the Ambassador, who still wants to proceed. The Chairman may need to contact the Ambassador about this issue. **No action required, just be aware in case the issue comes up.**

DAILY ACTIONS/REMINDERS

- International updates must now be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- 11 PM – 7 AM shift is responsible for the summary call with Kirk and Brooke, scheduled daily at 0500 EST unless rescheduled, and subsequent write-up of one-pager for Margie. Margie reminds us that the

write-up should not contain technical details, which are already captured in other reports, and should be marked "Official Use Only – Foreign Government Information."

- The 11pm-7am shift is responsible for sending all emails from the previous day to the FOIA email address (FOIA Response.hoc@nrc.gov).
- Kirk, Brooke, Danielle and Eric requested that the international team to sit in on calls with the ET and team leader, Chuck or Dan Dorman to take notes and provide a short summary of what was discussed via email.
- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have the international call.
- Reminder to Keep Mark Shaffer in-the-loop at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.
- **Sanitary wipes now available. Action:** Please wipe the keyboards, mice and phones before you leave.

~~OFFICIAL USE ONLY~~

Lee, Richard

From: Binkley, Steve [Steve.Binkley@science.doe.gov]
Sent: Sunday, March 27, 2011 5:59 PM
To: Lee, Richard
Subject: Fw: Telecon # for Kondo call (use the 877 number)

From: Binkley, Steve
To: "(b)(6)" <(b)(6)>
Sent: Sun Mar 27 17:57:43 2011
Subject: Telecon # for Kondo call (use the 877 number)

USA: 877-989-3817

International: 203-986-9225

Participant Code: (b)(6) followed by the #

Host Code (b)(6) followed by the #

From: Holdren, John P. <(b)(6)>
To: Richard L Garwin <rlg2@us.ibm.com>; Kelly, John E (NE)
Cc: Poneman, Daniel; Lyons, Peter; SCHU; Binkley, Steve; Fetter, Steve <(b)(6)>
Sent: Sat Mar 26 11:29:30 2011
Subject: RE: Flooding containment to submerge lower part of the RPVs.

Adding Fetter...

Dick – My understanding is that this flooding of the primary containment would only necessarily flood the torus in the case that there's a leak/break providing a connection between the torus and the primary containment. That's thought to be the case only in Unit 2, I believe. Best, John

JOHN P. HOLDREN
Assistant to the President for Science and Technology
and Director, Office of Science and Technology Policy
Executive Office of the President of the United States
email (b)(6)
direct phone 202-456-6030
assistant Karrie Pitzer 202-456-6064, (b)(6)

From: Richard L Garwin [mailto:rlg2@us.ibm.com]
Sent: Saturday, March 26, 2011 11:24 AM
To: Kelly, John E (NE)
Cc: Poneman, Daniel; Holdren, John P.; Lyons, Peter; SCHU; Binkley, Steve
Subject: Flooding containment to submerge lower part of the RPVs.

Just to be clear, this means that the torus will also be flooded?

28

From:	LIA03 Hoc
Sent:	Sunday, March 27, 2011 7:05 AM
To:	LIA03 Hoc
Cc:	Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; LIA02 Hoc; LIA07 Hoc; LIA06 Hoc; LIA08 Hoc; Owens, Janice
Subject:	TRANSITION REPORT FOR MARCH 27, 2011 - 2300

~~OFFICIAL USE ONLY~~

TRANSITION REPORT FOR MARCH 27, 2011 – 2300

Elizabeth to Jill and Karen

UPDATES DURING THIS SHIFT

- **Daily calls with UK/France/Canada.** 0930 daily call with the RST and the 1400 call with the PMT. Call will not occur over the weekend and maybe compressed to only have the 9:30 with both RST and PMT together. **The new number to call into for the RST call is** (b)(6) **and the pin is** (b)(6)
- **2130 Daily DOS Interagency call.** Note: 3/26 call canceled but confirmed that 3/27 call will take place.
- **Coordination of IAEA and U.S. Efforts.** It appears that DoD (Navy) is taking a logistical leadership role in coordinating efforts for the U.S. government. This information will need to be coordinated with both the IAEA international coordinating team as well as the INPO representative. NRC is interested in knowing what other countries are providing in support to Japan. Email was sent to NRC IAEA Attache' and NRC IAEA desk officer to pursue a path forward. **Action:** Attache' and desk officer will report if they need any further from the LT; ET may inquire about path forward.
- **Assistance to Navy (Pacific Command).** Vince Holahan will be performing a coordinating role with Admiral Willard in Honolulu, HI. Vince was added to the Japan traveler list and the Liaison Japan distribution list (along with Elmo Collins). Updates to the Liaison Japan distribution list is done through Cris Brown.
- **Consideration of J-village Relocation.** Chuck and John visited J-village and decided it was not worthwhile to embed NRC personnel there. **No further action.**
- **Deputies Committee Decisions and Action Items:** The ET would like to capture decisions taken and action items of this Committee detailed in summary reports from the Deputies Committees meetings (which the Chairman attends). They wish to capture not only those impacting the NRC but other agencies involved as well. The 2300-0700 shift pulled the reports from emails sent to the LT director and saved them in M:\LT\White House. Also in M:\LT there is a summary spreadsheet containing what we have. Since several dates are missing the ET team asked us to call Annette Vietti-Cook (who is on the distribution list and who sent the reports to the ET Director) and see if she has others (an email message was sent to her from LIA03 at 3:36 am on 3/26 containing the spreadsheet indicating which ones are missing). In addition, the Federal Liaison put together a power point designed to show which agency has taken which decisions or actions, and also how our teams would interact. Called Annette Vietti-Cook to follow up on the email message regarding whether she has any missing reports to send us. She sent us all that she had. Have reviewed the reports and provided a report to the LT Director and Coordinator on NRC actions. This report was shared with ET. **Action:** Annette will be sending us the meeting summaries when she gets them from now on. They need to be placed in the White House

UUUU/29

file and then search for NRC actions and update the running list. Forward to the LT Director and Coordinator.

- **Emche Blackberry Voicemail Problems.** Forwarded directions from TSC to Danielle on how to access her voicemail. She tried them but it still did not work properly. She will call the CSC Monday morning. Her BB number is confirmed. Emailed Eric to confirm his BB number. **Action:** A heads up regarding the continuing voice mail problems was sent to CSC. Danielle will call CSC Monday. The Monday teams should stay tuned in case Danielle needs further assistance.
- **Commissioner Apostolakis Request.** Commissioner wants login information for IAEA's website system termed PRIS. Email sent to Jen S. and Mark S. to request this information so he will not have to register. **Action:** Following up with Mark S., he noted that it would best to wait until Monday when the PRIS staff would be in the office. They could assist with the request. If it is an emergency, follow up with the IEC (the latter scenario does not appear to be the case).
- **VIP visit:** Traveler information has been added to the Japan traveler information chart. Mark Shaffer was informed of the relevant details. Mark knows not to share the info until after the White House makes its announcement (we are to hold the information close as well). **No further action required—just be aware of the matter if questions come in from cognizant individuals.**

FUTURE ACTIONS/OPEN ITEMS

- **Request for meteorological data.** PMT sent a request for us to pass to the Japan Embassy Task Force regarding a need for specific meteorological data. We forwarded the request to the Task Force and received a reply from a Mona Camacho indicating she was passing it to the appropriate people. Naomi Walcott of Japan Embassy replied wanting to know the specific website PMT found the original data. PMT responded with the website in an email. **Action:** If you receive further communication, please ensure PMT is cc on the email and walk a hard copy back to the meteorologists.
- **Japan Relief Team.**
    - **Dosimetry:** LIA03 sent an email to LiasonJapan (original team) asking for them to email back their dosimetry numbers. The initial team sent over was in such a rush that the Headquarters Radiation Safety Officer, John O'Donnell, never recorded which dosimeter was assigned to which staff member. If dosimeter numbers (on the back) are received directly to the international liaison desks they should be forwarded to John O'Donnell and entered into a word document on LIA03. The RSO has also asked original team members to indicate whether they intend to stay in Japan past the end of the month. If an original team member indicates that they intend to stay past the end of the month, we need to inform the RSO and ensure that an outgoing team member bring that person a replacement dosimeter. Brooke Smith is the last person from the original team leaving Japan on 3/31/2011.
    - Cris Brown has advised that, rather than asking the relief team to carry additional satellite phones to Japan, the current team should turn ownership of the two satellite phones already over there to a new member of the relief team. The travelers have been advised to work with the current team to determine who should take ownership, then provide that name to Cris Brown and LIA02/LIA03. **Action:** When name is provided, ensure that Cris Brown has it.
- **NRC Travelers Return Checklist.** Completed a draft of the checklist and sent it to Michele Evans. Document is located on LIA02 desktop. **No further action required until Michele responds.**
- **Request from U.S. Forces Japan.** LT Director received a request for specific reactor information from USFJ in preparation for some bilateral. International liaisons gave NRC team in Japan a heads up that the request had come in. LT Director replied to the request indicating that we have a team in Japan and that, rather than duplicate the requests the USG is making of the Japanese, it would be more efficient for USFJ to coordinate with us. LIA02 and 03 were provided as email addresses for USFJ to communicate with. **Action:** You may receive a request for information from USFJ that you would then coordinate with our team in Japan.
- **IAEA Coordination.** The ET had tasked us with understanding the role of the IAEA's Incident and Emergency Centre (IEC) and what the extent of their role is if Japan does not make a formal request to them under the Assistance Convention. We suggested that the IEC serve as a clearinghouse, keeping

track of all requests for assistance from Japan, all offers to assist from other countries, who has provided what, and whether it satisfies the requests. Mark Shaffer met with Elena Buglova, Acting Director of the IEC, at approximately 0600 EDT. He provided a write-up of that meeting (in LIA02 and 03 email inboxes) to Margie. Subsequently, Ms. Buglova wrote to thank Mark for the meeting and she posted the current spreadsheet of what IAEA is tracking on ENAC (hard copy on LIA02 desk). Update: Ms. Buglova has asked the U.S. to update its entries on the spreadsheet. Jen sent the request to Margie for her views. There is still an open task on the task tracker, but we have tried to manage expectations about the extent to which NRC can "complete a task" on this subject. We have told the LT Director that OIP will keep the ET informed of developments on this issue. **Action:** We need to talk to Margie about how she'd like us to proceed with responding to IAEA's request. Continue to follow this and expect questions from ET and LT Director.

- **Translators.** The translators are working very hard but we are starting to notice duplication of efforts. This is largely due to shift changes here and in the technical teams that results in a lack of knowledge/awareness that previous versions of a document (especially monitoring data) were already translated. The result is that multiple translators are working on the same document or working to translate an entire document when a previous version was already provided to the appropriate team and only the numbers have been updated. Also, translators are often working for a long time on a document which has subsequently been published in English. **Action 1:** Please monitor NISA's English language site and ENAC and make sure that you inform the translators when a document is posted in English, so that if they are working on it they can stop and move on to something else. **Action 2:** Please ensure that the PMT and RST are keeping the translated data we provide them, in particular if a document can serve as a "key" to interpreting future data. **Action 3:** Make sure that the translated documents are marked appropriately (OUO- Sensitive Foreign Government Information).
- **Daily calls with UK/France/Canada.** Calls will take place tomorrow, 3/22, at 0930 with RST and at 1500 with PMT to discuss reactor-related and radiation-related information, respectively, with regulatory representatives from these three countries. Everyone should call into the HOO to be connected. Call will not occur over the weekend and maybe compressed to only have the 9:30 with both RST and PMT together. **The new number to call into for the RST call is** (b)(6) **and the pin is** (b)(6)
- **Daily NRC Japan Team – RST/PMT Call.** Next call scheduled for 0300. RST and PMT have been notified of the call and international liaison should plan on participating (Brooke and Kirk don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)
- **21:30 Interagency Call.**
- **Deputies Committee Decisions and Action Items: Action:** Annette will be sending us the meeting summaries when she gets them. They need to be placed in the White House file and then search for NRC actions and update the running list. Forward to the LT Director and Coordinator.
- **1900 3/26 EDT call with IA and industry stakeholders:** The call was originally set up to discuss the list of items requested by the government of Japan (and already postponed once). Alan Blamey called and asked to again postpone this call until further notice because DOE can't participate until they coordinate with their headquarters counterparts on several issues. Since DOE has half the items on the list, the call would be unproductive without them in attendance. Alan Blamey will let us know when DOE can participate in the call, and hence when the call should be held. This was communicated to the LT coordinator, who spread the word regarding the postponement. Talked to Alan Blamey, DOE does not want to be part of future calls since they get their tasking at the White House Deputies Committee meetings. Alan also discussed with LT Director, who asked the ET if meeting should be cancelled, still awaiting an answer.
- **RST Recommendations:** In reference to the white paper that the RST is writing containing technical recommendations for the Japanese (which will need interagency and consortium stakeholder concurrence), Chuck Casto relayed that Ambassador Roos wants to attach the final recommendations to a document from DOS and submit it to the Japanese side. The ET said that this was not a good idea. Following the call, Chuck Casto did touch base with the Ambassador, who still wants to proceed. The Chairman will probably talk to the Ambassador about this issue in due course. **No action required, just be aware in case the issue comes up.**

DAILY ACTIONS/REMINDERS

- International updates must now be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- 11 PM – 7 AM shift is responsible for the summary call with Kirk and Brooke, scheduled daily at 0500 EST unless rescheduled, and subsequent write-up of one-pager for Margie. Margie reminds us that the write-up should not contain technical details, which are already captured in other reports, and should be marked "Official Use Only – Foreign Government Information."
- The 11pm-7am shift is responsible for sending all emails from the previous day to the FOIA email address (FOIA Response.hoc@nrc.gov).
- Kirk, Brooke, Danielle and Eric requested that the international team to sit in on calls with the ET and team leader, Chuck or Dan Dorman to take notes and provide a short summary of what was discussed via email.
- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have the international call.
- Reminder to Keep Mark Shaffer in-the-loop at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.
- **Sanitary wipes now available. Action:** Please wipe the keyboards, mice and phones before you leave.

~~OFFICIAL USE ONLY~~

From: Gibson, Kathy
Sent: Wednesday, March 30, 2011 6:37 PM
To: RST06 Hoc
Subject: Re: Request for Ops Center RTS support

Let's hear you sing, just to be sure! ;-)

From: RST06 Hoc
To: Gibson, Kathy
Sent: Wed Mar 30 18:33:17 2011
Subject: RE: Request for Ops Center RTS support

Thanks Kathy.

Its Cher, oops, no its Fred

From: Gibson, Kathy
Sent: Wednesday, March 30, 2011 6:05 PM
To: RST06 Hoc; Ruland, William; Arndt, Steven; Skeen, David; Cheok, Michael; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Correia, Richard
Subject: Re: Request for Ops Center RTS support

First, I can't tell who "me" is. Suggest if you are using an HOC email address you first say who you are.

Second, RES has the lead for both items, DSA (me) for the first one and DRA (Doug Coe) for the second one. I added Rich Correia to the distribution as he is our new DRA division director and Doug Coe's father passed away so he is gone.

Richard Lee is our POC with the Ops Center. Charlie Tinkler is the staff person working the first item and Mary Druin is working the second item.

Let us know (preferably via Richard) if you need anything else.

From: RST06 Hoc
To: Ruland, William; Arndt, Steven; Skeen, David; Cheok, Michael; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald
Sent: Wed Mar 30 17:35:33 2011
Subject: RE: Request for Ops Center RTS support

Just noticed that I'm not even on the distribution. Please add me. Thanks.

From: RST06 Hoc
Sent: Wednesday, March 30, 2011 5:34 PM
To: Ruland, William; Arndt, Steven; Skeen, David; Cheok, Michael; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald
Subject: RE: Request for Ops Center RTS support

UUUU/30

Thanks Bill. You must be a fan of other tired, old, acts too – Cher maybe?

Before responding, can I ask that whomever has stepped-up to take the lead for this do a respond-all to let us know?

Objective for first question (energetic release potential): this information is important to the Ambassador in Japan and the US military command that would be responsible for movement of US citizens who were ordered to be evacuated from any locations in the Pacific. In fact, the Pacific Command asked the same question of the NRC at today's Deputies Meeting that is attended by the Chairman. The answer to this question may also impact when we as the NRC ramp down our activities? **We should attempt to address this by Friday (4/1).**

Objective for the second question is to support multiple questions/actions. There have been many requests of the PMT for "realistic" dose models. The RST Assessment document (original e-mail was supposed to have it attached, but I've added to this incase it did not go out the first time) also contains recommended actions for the Japanese to consider. These recommendations are based on the SAMGS, which all are intended to protect primary containment. Since primary containment is damaged on at least two units, we need to assess whether there may be new considerations/priorities that are not captured by the SAMGs. Also, the product of this effort helps us better clarify the assessment of potential energetic releases, along with identifying the best strategies to ensure that they don't happen. **This item does not have as short a deliverable date unless the PMT has one that I'm not aware of, but is still very significant in terms of our recommendations. Can we complete by Monday (4/4)?**

Of course, my request should be seen as the start of a process, and that others should add to it in order to shape into an end product that goes beyond, or corrects, the vision that I started with.

Fred

From: Ruland, William
Sent: Wednesday, March 30, 2011 10:36 AM
To: Arndt, Steven; Skeen, David; RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael
Subject: RE: Request for Ops Center RTS support

Great thinking! I've always been a Fred Brown fan! For my benefit, what is the objectives for this task and by when do we need to get the answers?

Regarding the core damage percentages, I understand that they were early numbers. Are we yet in a position to revise them?

Bill

From: Arndt, Steven
Sent: Wednesday, March 30, 2011 7:33 AM
To: Skeen, David; RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael
Subject: Re: Request for Ops Center RTS support

I agree with Dave, this should be done out side of the Op Center. A group of RES folks are already doing some analysis is this area (DRA and DSA) to support the PMT. We should task them to do this and provide them with additional resources if needed.

Sent from a NRC blackberry
Steven Arndt
(b)(6)

From: Skeen, David
To: RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; Arndt, Steven
Sent: Tue Mar 29 23:43:46 2011
Subject: Re: Request for Ops Center RTS support

Good thought, Fred.

I think this would be a worthwhile task, and I think we need a small group of severe accident experts to discuss the potential worst case outcomes for each scenario.

I believe this effort should be conducted outside of the RST, on the normal day shift, with either NRR or RES taking the lead to put a team together to develop the potential outcomes.

Please let me know if you need any support from NRR/DE. We could potentially offer Steve Arndt to support.

From: RST06 Hoc
To: Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; Skeen, David; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; RST01 Hoc
Sent: Tue Mar 29 23:01:43 2011
Subject: RE: Request for Ops Center RTS support

Please see below.

From: Brown, Frederick
Sent: Tuesday, March 29, 2011 10:56 PM
To: Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; Skeen, David; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; Brown, Frederick; RST01 Hoc
Subject: Request for Ops Center RTS support
Importance: High

Mike, Kathy

First, I'm not sure that you two are the right folks to ask, but I know that you'll know where this should go.

I'd like to have folks with the right skill set look at two issues (the two are inter-related, but the first may be easier to give a quick answer to without the work that the second will take):

1) Given the known, or assumed, status of the three units and four pools, what realistic scenarios exist for energetic dispersion of high quantities of radioactive material that would result in mobile plumes? The point of this question is that there are many clear scenarios that present significant near-area radiological challenges, but given the time since shutdown (for the operating units) and age of much of the fuel (in the SFPs) what are the remaining scenarios of concern with respect to more distant locations (Tokyo with a large concentration of US citizens, Alaska, Hawaii, etc).

2) Given the assumed condition of the three units and four pools, can we generate basic event trees for the coming weeks/months? The point would be to identify key success criteria and to help identify key decision points/risk factors to be balanced (qualitative not quantitative analysis). For instance, take two units, each with significant core damage and prior release of volatile fission products, each with primary and secondary

containment failure, but one with an intact RPV and the other with a breach of RPV - would there be a difference in potential releases that would lead to different strategies for flooding the primary containment of these two units? This question will make more sense if you look at the assumed conditions below and the attached assessment document where we recommend that TEPCO utilize the SAMG recommendation to flood all 3 units' containments.

Note that the intent is to limit this activity to hours and days, not weeks or years. Once we validate the concept of this evaluation, we can turn it over to US industry for further action/development.

Assumed status (slightly different than the status in the attached assessment):

Unit 1 Rx: Shutdown 3/11. 70% core damage. Cooling with 30 gpm. Significant salt deposits in vessel, core spay plugged. Primary pressure 65 psig. Drywell pressure 25 psig. Secondary containment destroyed. Containment has been vented at least once since fuel damage occurred. Attempting to establish Nitrogen purge prior to resuming venting.

Unit 2 Rx: Shutdown 3/11. 30% core damage. Significant salt deposits in vessel/drywell. Assumed RPV breach, with at least some core ex-vessel that ocurred approximately 3/15. Primary containment breached in the torus. Secondary containment breached. Significant release of volatile fission products has occurred through both airborne release and also via water drainage out of the Rx building.

Unit 3 Rx: same assumptions as Unit 2, but do not assume RPV failure and location of primary containment breach may be the drywell.

SFP 1: 292 bundles. Pool intact. All fuel at least 12 years old. No secondary containment. Rubble on top of pool. Water can be added through external spray. Now at saturation temperature.

SFP 2: 587 bundles. Pool intact. Water added to the point of pool over-flow. Pool had reached saturation temperature at one time.

SFP 3: 548 bundles. ¼ core offload previous refueling. No checker boarding of hotter fuel. Structural damage to pool area suspected. Pool leakage possible. External addition of water has been made repeatedly, but flooding of pool may not be possible due to damage.

SFP 4: 1331 bundles. Full core offload about 120 days ago. No checker boarding of hotter fuel. Structural damage to pool area is known to exist, and structure may not support a full pool weight load. Pool leakage likely, requiring addition of water periodically. Pool was likely dry enough to have cladding/water reaction which produced enough hydrogen to lead to catastrophic explosion that destroyed secondary containment.

From: Cheok, Michael
Sent: Wednesday, March 30, 2011 6:09 PM
To: RST06 Hoc; Ruland, William; Arndt, Steven; Skeen, David; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Harrison, Donnie; Lee, Samson; Tate, Travis; Parillo, John; Brown, Frederick
Subject: RE: Request for Ops Center RTS support

My e-mail crossed paths with Kathy's. (Timing is everything). I defer to her proposals.

From: RST06 Hoc
Sent: Wednesday, March 30, 2011 6:07 PM
To: Cheok, Michael; Ruland, William; Arndt, Steven; Skeen, David; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Harrison, Donnie; Lee, Samson; Tate, Travis; Parillo, John; Brown, Frederick
Subject: RE: Request for Ops Center RTS support

Thanks Mike.

Mike Scott is in Japan.

Fred Brown
RST on-shift Director

From: Cheok, Michael
Sent: Wednesday, March 30, 2011 6:05 PM
To: RST06 Hoc; Ruland, William; Arndt, Steven; Skeen, David; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Harrison, Donnie; Lee, Samson; Tate, Travis; Parillo, John
Subject: RE: Request for Ops Center RTS support

The first question will need SOARCA/PRA Level II expertise – so RES/DSA (Kathy's staff) would be optimal (Kathy was not in the office today, and I will discuss this with her and/or Mike Scott tomorrow). NRR/DRA can support with John Parillo or someone else in our accident dose branch.

NRR/DRA (Donnie Harrison will be POC) can take the lead on Question 2 and will work with RES/DRA and RES/DSA on a response.

From: RST06 Hoc
Sent: Wednesday, March 30, 2011 5:34 PM
To: Ruland, William; Arndt, Steven; Skeen, David; Cheok, Michael; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald
Subject: RE: Request for Ops Center RTS support

Thanks Bill. You must be a fan of other tired, old, acts too – Cher maybe?

Before responding, can I ask that whomever has stepped-up to take the lead for this do a respond-all to let us know?

UUUU / 31

Objective for first question (energetic release potential): this information is important to the Ambassador in Japan and the US military command that would be responsible for movement of US citizens who were ordered to be evacuated from any locations in the Pacific. In fact, the Pacific Command asked the same question of the NRC at today's Deputies Meeting that is attended by the Chairman. The answer to this question may also impact when we as the NRC ramp down our activities? **We should attempt to address this by Friday (4/1).**

Objective for the second question is to support multiple questions/actions. There have been many requests of the PMT for "realistic" dose models. The RST Assessment document (original e-mail was supposed to have it attached, but I've added to this incase it did not go out the first time) also contains recommended actions for the Japanese to consider. These recommendations are based on the SAMGS, which all are intended to protect primary containment. Since primary containment is damaged on at least two units, we need to assess whether there may be new considerations/priorities that are not captured by the SAMGs. Also, the product of this effort helps us better clarify the assessment of potential energetic releases, along with identifying the best strategies to ensure that they don't happen. **This item does not have as short a deliverable date unless the PMT has one that I'm not aware of, but is still very significant in terms of our recommendations. Can we complete by Monday (4/4)?**

Of course, my request should be seen as the start of a process, and that others should add to it in order to shape into an end product that goes beyond, or corrects, the vision that I started with.

Fred

From: Ruland, William
Sent: Wednesday, March 30, 2011 10:36 AM
To: Arndt, Steven; Skeen, David; RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael
Subject: RE: Request for Ops Center RTS support

Great thinking! I've always been a Fred Brown fan! For my benefit, what is the objectives for this task and by when do we need to get the answers?

Regarding the core damage percentages, I understand that they were early numbers. Are we yet in a position to revise them?

Bill

From: Arndt, Steven
Sent: Wednesday, March 30, 2011 7:33 AM
To: Skeen, David; RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael
Subject: Re: Request for Ops Center RTS support

I agree with Dave, this should be done out side of the Op Center. A group of RES folks are already doing some analysis is this area (DRA and DSA) to support the PMT. We should task them to do this and provide them with additional resources if needed.

Sent from a NRC blackberry
Steven Arndt
(b)(6)

From: Skeen, David
To: RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; Arndt, Steven
Sent: Tue Mar 29 23:43:46 2011
Subject: Re: Request for Ops Center RTS support

Good thought, Fred.

I think this would be a worthwhile task, and I think we need a small group of severe accident experts to discuss the potential worst case outcomes for each scenario.

I believe this effort should be conducted outside of the RST, on the normal day shift, with either NRR or RES taking the lead to put a team together to develop the potential outcomes.

Please let me know if you need any support from NRR/DE. We could potentially offer Steve Arndt to support.

From: RST06 Hoc
To: Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; Skeen, David; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; RST01 Hoc
Sent: Tue Mar 29 23:01:43 2011
Subject: RE: Request for Ops Center RTS support

Please see below.

From: Brown, Frederick
Sent: Tuesday, March 29, 2011 10:56 PM
To: Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; Skeen, David; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; Brown, Frederick; RST01 Hoc
Subject: Request for Ops Center RTS support
Importance: High

Mike, Kathy

First, I'm not sure that you two are the right folks to ask, but I know that you'll know where this should go.

I'd like to have folks with the right skill set look at two issues (the two are inter-related, but the first may be easier to give a quick answer to without the work that the second will take):

1) Given the known, or assumed, status of the three units and four pools, what realistic scenarios exist for energetic dispersion of high quantities of radioactive material that would result in mobile plumes? The point of this question is that there are many clear scenarios that present significant near-area radiological challenges, but given the time since shutdown (for the operating units) and age of much of the fuel (in the SFPs) what are the remaining scenarios of concern with respect to more distant locations (Tokyo with a large concentration of US citizens, Alaska, Hawaii, etc).

2) Given the assumed condition of the three units and four pools, can we generate basic event trees for the coming weeks/months? The point would be to identify key success criteria and to help identify key decision points/risk factors to be balanced (qualitative not quantitative analysis). For instance, take two units, each with significant core damage and prior release of volatile fission products, each with primary and secondary containment failure, but one with an intact RPV and the other with a breach of RPV - would there be a difference in potential releases that would lead to different strategies for flooding the primary containment of

these two units? This question will make more sense if you look at the assumed conditions below and the attached assessment document where we recommend that TEPCO utilize the SAMG recommendation to flood all 3 units' containments.

Note that the intent is to limit this activity to hours and days, not weeks or years. Once we validate the concept of this evaluation, we can turn it over to US industry for further action/development.

Assumed status (slightly different than the status in the attached assessment):

Unit 1 Rx: Shutdown 3/11. 70% core damage. Cooling with 30 gpm. Significant salt deposits in vessel, core spay plugged. Primary pressure 65 psig. Drywell pressure 25 psig. Secondary containment destroyed. Containment has been vented at least once since fuel damage occurred. Attempting to establish Nitrogen purge prior to resuming venting.

Unit 2 Rx: Shutdown 3/11. 30% core damage. Significant salt deposits in vessel/drywell. Assumed RPV breach, with at least some core ex-vessel that ocurred approximately 3/15. Primary containment breached in the torus. Secondary containment breached. Significant release of volatile fission products has occurred through both airborne release and also via water drainage out of the Rx building.

Unit 3 Rx: same assumptions as Unit 2, but do not assume RPV failure and location of primary containment breach may be the drywell.

SFP 1: 292 bundles. Pool intact. All fuel at least 12 years old. No secondary containment. Rubble on top of pool. Water can be added through external spray. Now at saturation temperature.

SFP 2: 587 bundles. Pool intact. Water added to the point of pool over-flow. Pool had reached saturation temperature at one time.

SFP 3: 548 bundles. ¼ core offload previous refueling. No checker boarding of hotter fuel. Structural damage to pool area suspected. Pool leakage possible. External addition of water has been made repeatedly, but flooding of pool may not be possible due to damage.

SFP 4: 1331 bundles. Full core offload about 120 days ago. No checker boarding of hotter fuel. Structural damage to pool area is known to exist, and structure may not support a full pool weight load. Pool leakage likely, requiring addition of water periodically. Pool was likely dry enough to have cladding/water reaction which produced enough hydrogen to lead to catastrophic explosion that destroyed secondary containment.

From: Gibson, Kathy
Sent: Wednesday, March 30, 2011 6:09 PM
To: RST06 Hoc; Cheok, Michael; Ruland, William; Arndt, Steven; Skeen, David; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Harrison, Donnie; Lee, Samson; Tate, Travis; Parillo, John; Brown, Frederick; Lee, Richard; Correia, Richard
Subject: Re: Request for Ops Center RTS support

Suggest Mike Cheok and Rich Correia get together and agree on who has lead for item 2.

From: RST06 Hoc
To: Cheok, Michael; Ruland, William; Arndt, Steven; Skeen, David; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Harrison, Donnie; Lee, Samson; Tate, Travis; Parillo, John; Brown, Frederick
Sent: Wed Mar 30 18:06:31 2011
Subject: RE: Request for Ops Center RTS support

Thanks Mike.

Mike Scott is in Japan.

Fred Brown
RST on-shift Director

From: Cheok, Michael
Sent: Wednesday, March 30, 2011 6:05 PM
To: RST06 Hoc; Ruland, William; Arndt, Steven; Skeen, David; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald; Harrison, Donnie; Lee, Samson; Tate, Travis; Parillo, John
Subject: RE: Request for Ops Center RTS support

The first question will need SOARCA/PRA Level II expertise – so RES/DSA (Kathy's staff) would be optimal (Kathy was not in the office today, and I will discuss this with her and/or Mike Scott tomorrow). NRR/DRA can support with John Parillo or someone else in our accident dose branch.

NRR/DRA (Donnie Harrison will be POC) can take the lead on Question 2 and will work with RES/DRA and RES/DSA on a response.

From: RST06 Hoc
Sent: Wednesday, March 30, 2011 5:34 PM
To: Ruland, William; Arndt, Steven; Skeen, David; Cheok, Michael; Gibson, Kathy; Coe, Doug
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Scott, Michael; Tinkler, Charles; Cool, Donald
Subject: RE: Request for Ops Center RTS support

Thanks Bill. You must be a fan of other tired, old, acts too – Cher maybe?

Before responding, can I ask that whomever has stepped-up to take the lead for this do a respond-all to let us know?

Objective for first question (energetic release potential): this information is important to the Ambassador in Japan and the US military command that would be responsible for movement of US citizens who were ordered to be evacuated from any locations in the Pacific. In fact, the Pacific Command asked the same question of the NRC at today's Deputies Meeting that is attended by the Chairman. The answer to this question may also impact when we as the NRC ramp down our activities? **We should attempt to address this by Friday (4/1).**

Objective for the second question is to support multiple questions/actions. There have been many requests of the PMT for "realistic" dose models. The RST Assessment document (original e-mail was supposed to have it attached, but I've added to this incase it did not go out the first time) also contains recommended actions for the Japanese to consider. These recommendations are based on the SAMGS, which all are intended to protect primary containment. Since primary containment is damaged on at least two units, we need to assess whether there may be new considerations/priorities that are not captured by the SAMGs. Also, the product of this effort helps us better clarify the assessment of potential energetic releases, along with identifying the best strategies to ensure that they don't happen. **This item does not have as short a deliverable date unless the PMT has one that I'm not aware of, but is still very significant in terms of our recommendations. Can we complete by Monday (4/4)?**

Of course, my request should be seen as the start of a process, and that others should add to it in order to shape into an end product that goes beyond, or corrects, the vision that I started with.

Fred

From: Ruland, William
Sent: Wednesday, March 30, 2011 10:36 AM
To: Arndt, Steven; Skeen, David; RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael
Subject: RE: Request for Ops Center RTS support

Great thinking! I've always been a Fred Brown fan! For my benefit, what is the objectives for this task and by when do we need to get the answers?

Regarding the core damage percentages, I understand that they were early numbers. Are we yet in a position to revise them?

Bill

From: Arndt, Steven
Sent: Wednesday, March 30, 2011 7:33 AM
To: Skeen, David; RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael
Subject: Re: Request for Ops Center RTS support

I agree with Dave, this should be done out side of the Op Center. A group of RES folks are already doing some analysis is this area (DRA and DSA) to support the PMT. We should task them to do this and provide them with additional resources if needed.

Sent from a NRC blackberry
Steven Arndt
(b)(6)

From: Skeen, David
To: RST06 Hoc; Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; Arndt, Steven
Sent: Tue Mar 29 23:43:46 2011
Subject: Re: Request for Ops Center RTS support

Good thought, Fred.

I think this would be a worthwhile task, and I think we need a small group of severe accident experts to discuss the potential worst case outcomes for each scenario.

I believe this effort should be conducted outside of the RST, on the normal day shift, with either NRR or RES taking the lead to put a team together to develop the potential outcomes.

Please let me know if you need any support from NRR/DE. We could potentially offer Steve Arndt to support.

From: RST06 Hoc
To: Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; Skeen, David; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; RST01 Hoc
Sent: Tue Mar 29 23:01:43 2011
Subject: RE: Request for Ops Center RTS support

Please see below.

From: Brown, Frederick
Sent: Tuesday, March 29, 2011 10:56 PM
To: Cheok, Michael; Gibson, Kathy
Cc: Ruland, William; Dudes, Laura; Uhle, Jennifer; Hiland, Patrick; Hackett, Edwin; Skeen, David; RST01 Hoc; Hoc, PMT12; McDermott, Brian; Coe, Doug; Scott, Michael; Brown, Frederick; RST01 Hoc
Subject: Request for Ops Center RTS support
Importance: High

Mike, Kathy

First, I'm not sure that you two are the right folks to ask, but I know that you'll know where this should go.

I'd like to have folks with the right skill set look at two issues (the two are inter-related, but the first may be easier to give a quick answer to without the work that the second will take):

1) Given the known, or assumed, status of the three units and four pools, what realistic scenarios exist for energetic dispersion of high quantities of radioactive material that would result in mobile plumes? The point of this question is that there are many clear scenarios that present significant near-area radiological challenges, but given the time since shutdown (for the operating units) and age of much of the fuel (in the SFPs) what are the remaining scenarios of concern with respect to more distant locations (Tokyo with a large concentration of US citizens, Alaska, Hawaii, etc).

2) Given the assumed condition of the three units and four pools, can we generate basic event trees for the coming weeks/months? The point would be to identify key success criteria and to help identify key decision points/risk factors to be balanced (qualitative not quantitative analysis). For instance, take two units, each with significant core damage and prior release of volatile fission products, each with primary and secondary containment failure, but one with an intact RPV and the other with a breach of RPV - would there be a

difference in potential releases that would lead to different strategies for flooding the primary containment of these two units? This question will make more sense if you look at the assumed conditions below and the attached assessment document where we recommend that TEPCO utilize the SAMG recommendation to flood all 3 units' containments.

Note that the intent is to limit this activity to hours and days, not weeks or years. Once we validate the concept of this evaluation, we can turn it over to US industry for further action/development.

Assumed status (slightly different than the status in the attached assessment):

Unit 1 Rx: Shutdown 3/11. 70% core damage. Cooling with 30 gpm. Significant salt deposits in vessel, core spay plugged. Primary pressure 65 psig. Drywell pressure 25 psig. Secondary containment destroyed. Containment has been vented at least once since fuel damage occurred. Attempting to establish Nitrogen purge prior to resuming venting.

Unit 2 Rx: Shutdown 3/11. 30% core damage. Significant salt deposits in vessel/drywell. Assumed RPV breach, with at least some core ex-vessel that ocurred approximately 3/15. Primary containment breached in the torus. Secondary containment breached. Significant release of volatile fission products has occurred through both airborne release and also via water drainage out of the Rx building.

Unit 3 Rx: same assumptions as Unit 2, but do not assume RPV failure and location of primary containment breach may be the drywell.

SFP 1: 292 bundles. Pool intact. All fuel at least 12 years old. No secondary containment. Rubble on top of pool. Water can be added through external spray. Now at saturation temperature.

SFP 2: 587 bundles. Pool intact. Water added to the point of pool over-flow. Pool had reached saturation temperature at one time.

SFP 3: 548 bundles. ¼ core offload previous refueling. No checker boarding of hotter fuel. Structural damage to pool area suspected. Pool leakage possible. External addition of water has been made repeatedly, but flooding of pool may not be possible due to damage.

SFP 4: 1331 bundles. Full core offload about 120 days ago. No checker boarding of hotter fuel. Structural damage to pool area is known to exist, and structure may not support a full pool weight load. Pool leakage likely, requiring addition of water periodically. Pool was likely dry enough to have cladding/water reaction which produced enough hydrogen to lead to catastrophic explosion that destroyed secondary containment.

From: LIA02 Hoc
Sent: Wednesday, March 30, 2011 10:40 PM
To: LIA02 Hoc; Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; LIA07 Hoc; LIA06 Hoc; LIA08 Hoc; Owens, Janice; Fehst, Geraldine; Foggie, Kirk; Breskovic, Clarence
Cc: LIA07 Hoc
Subject: OUO - Transition Report for March 30, 1500-2300

TRANSITION REPORT FOR MARCH 30, 1500-2300

Gerri to Jen

UPDATES DURING SHIFT

- **Taiwan Conference Call.** PMT and RST are available for a 1200 EST one-time conference call with Taiwan, date TBD. **Action:** The 0700-1500 EST shift on March 31 should contact Taiwan POC to schedule a date for the call, then notify/confirm time and date with PMT and RST. LIA02 should sit in on the call if possible. Taiwan POC contact information can be found in the Transition Report for March 28-29, 2300-0700.

- **Blackberry Turnover.** Danielle requested Blackberry turnover from departing Bill Cook to newly arrived Elmo Collins. **Action:** ET02 was notified and will effect change on March 31 (DC time; April 1 Japan time). ET02 also suggested that Dan Dorman leave his laptop with Elmo, with Elmo to contact CSC at 1234 and/or email ET02 regarding any transition issues. Action closed.

- **British Embassy Information Request.** The British Embassy's First Secretary of Energy asked which part of the US government is providing the scientific advice upon which the US is deciding policy such as travel advice. She asked what the scientific advice is about radiation levels within the 50 mile exclusion zone and, in particular, what the scientific worst-case scenario for Fukushima is now. **Action:** Referred the call to PMT12 at 5 pm EDT March 30; forwarded PMT12's response at 7:20 pm EDT. Action closed.

- **3rd Team Decision:** Four additional technical staff will be sent to support the team in Japan. Mike Salay (RES), Michel Call (NMSS), Mike Hay (RIV), and Rudy Bernhard (RII) to leave the USA on Saturday, April 2. (Salay may leave April 3). A two-week stay is anticipated. **Action:** OIP is to identify an additional staff member to support and provide relief in the near term. 3rd team Information was forwarded to OIP and Jason Kozal. Traveler Checklist was sent to new travelers at 5:30 pm EDT March 30.

- **Satellite phones.** Danielle has indicated that they are not necessary and therefore the two satellite phones will be coming back to NRC HQ this week with returning travelers. **Action:** Danielle confirmed via e-mail that Tony Nakanisha will return one satellite phone to HQ, probably Monday, April 4. Per request, Cris Brown was informed via e-mail at 5:40pm EDT March 30 that Brooke Smith took the satellite phone used by Tony U. and Tony Nakanisha will be returning the second. Cris confirmed that team should return all satellite, cell, laptop equipment, etc. to ET desk upon return to HQ.

UUUU / 33

- **Plant Status Updates.** James Whitney, NSIR has requested that all of the "Plant Status" news releases on ENAC be sent to him to assist other government agencies in their analysis of the situation. **Action:** Send james.whitney@nrc.gov "plant status updates" on ENAC as they come in (after 3/30).**Action: Get ENAC back up on LIA02 computer on March 31. Check International Team Coordination Book for user name and PW to access ENAC; unable to do so on March 30.**

- **Translators.** 24/7 translation coverage has been suspended due to both projected decreasing demand and funding issues. Kirk Foggie confirmed that there is only one known NRC employee that speaks Japanese but there is a Japanese foreign assignee and other options available. **Action:** Inform PMT and RST once a translation arrangement has been made by Mary Carter. **Action:** Note that Tony Nakanisha leaves Japan March 31 and may become available for translation services, if needed. Contact Tony about availability.

- **20:00 Consortium Call.** Prior to the meeting, Japan Task Force POC Alan Blamey was advised that the US State Department had taken the lead and was working with the Japanese Government to coordinate the material request list. Blamey was advised to NOT circulate the "Draft Japanese Government Action Items and Material Request List" sent him by the NRC Op Center in advance of the Consortium Call now that DOS is assuming lead. Daily consortium calls will be daily at 2000 EST until further notice. **No Action pending**.

FUTURE ACTIONS/OPEN ITEMS

- **Site Team Computer Assistance Requested.** Site Team requested assistance in forwarding attachments via Webmail. OIS is aware of the request and is considering action on March 30. Meanwhile Technical Support in the Op Center directed the Site Team to call the NRC help desk, available 24/7, and to check the international air cards sent with each laptop to use with CITRIX. List of difficulties (primarily Citrix connections and configuration of headquarter computer) plus instructions from OIS have been forwarded to Danielle Emche with instructions to call CSC with questions before 10am Japan time (9pm EDT). **Action:** Follow up with Technical Support on March 30 for final determination with Webmail. Follow service tag 91JMNL1 for resolution of their issues.
- **INPO:** All equipment requests are now going through INPO. They are consolidating all available information. Contact information for INPO is 770-644-8118 or email at inpoercassistance@inpo.org.
- **IAEA All Member States Meeting:** Received request from the ET director, Mike Weber to coordinate with Mark Shaffer in Vienna to determine the topic and/or agenda for this meeting, which was called by the DG. The ET would like to know what will be communicated by the DG to member states and what might be asked of member states at this meeting. Communicate any information received to the LT director to be communicated to the ET director on duty. **Action:** Follow up pending response by Jen or Mark.
- **DHS Request:** Received request from DHS/Stern (to Cyndi Jones) on 3/28 at 1912. Stern wants to know "does NRC have access to IAEA Measured Data on ENAC (not the Japanese data)". PMT was unable to provide a response as to whether or not they use the IAEA data and ENAC search showed only Japanese data. Responded back to Cyndi Jones at 2141 with that information and inquired if anyone else would have access to IAEA information within the PMT. At 2:11am, Mark Shaffer asked that Jennifer Schwartzman brief LIA02 (and Cyndi Jones) regarding the ongoing discussion between Warren Stern and Ambassador Davies on the topic noted in the recent transition log. **Action:** Follow-up pending Cyndi's response.
- **IAEA Coordination.** 3/28 at 1850, DEDO/Virgilio requested information on IAEA's Incident and Emergency Center's (IEC) role as the clearinghouse for assistance. Jen Schwartzman responded that DOD has the lead for US-Interagency logistics and that IAEA has not agreed to be a clearinghouse, however, they have agreed to play a significant role. Japan has not requested assistance under the Convention. **Action:** Follow up with Margie on 3/30 and advise the ET and DEDO/Virgilio of the next steps.
- **Coordination of IAEA and U.S. Efforts.** It appears that DoD (Navy) is taking a logistical leadership role in coordinating efforts for the U.S. government. This information will need to be coordinated with

both the IAEA international coordinating team as well as the INPO representative. NRC is interested in knowing what other countries are providing in support to Japan. Email was sent to NRC IAEA Attache' and NRC IAEA desk officer to pursue a path forward. **Action:** Attache' and desk officer will report if they need anything further from the LT; ET may inquire about path forward.

- **Returning Travelers.** A request to returned travelers/travelers about to return to confirm their status, and to provide them with updated returned traveler checklist. **Action:** Update list as travelers respond.
- **NRC Health Unit request:** The NRC team members were given KI before they left. At this time the guidance is to not take the KI while on duty in Tokyo. However, due to the still-fluid nature of the environmental hazards posed by radioactive isotopes, there still exists a possibility that KI could be required at some point. Should it become necessary to have the NRC team take the KI, the LIA02/LIA03 international liaisons would be responsible for receiving the advice from ADM/Dr. Cadoux and to get the information to the team immediately.
- **Request for meteorological data.** PMT notified LIA02/03 of their need for meteorological data. **Action:** If you receive meteorological communications which do not already have PMT on distribution, please ensure PMT is cc'ed on the email (send to PMT02 and PMT12) and walk a hard copy back to the meteorologists.
- **Japan Relief Team Dosimetry.** LIA03 sent an email to LiasonJapan (original team) asking for them to email back their dosimetry numbers. If dosimeter numbers (on the back) are received directly to the international liaison desks they should be forwarded to John O'Donnell and entered into a word document on LIA03.
- **Daily calls with UK/France/Canada.** Calls will take place at 0930 with RST and PMT to discuss reactor-related and radiation-related information, respectively, with regulatory representatives from these three countries. Everyone should call into the HOO to be connected. **The new number to call into is** (b)(6) **and the pin is** (b)(6)
- **Daily 0300 NRC Japan Team – RST/PMT Call.** RST and PMT have been notified of the call and international liaison should plan on participating (Brooke and Kirk don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)
- **Deputies Committee Decisions and Action Items: Action:** Annette will be sending us the meeting summaries when she gets them. They need to be placed in the White House file and then search for NRC actions and update the running list. Forward to the LT Director and Coordinator.

DAILY ACTIONS/REMINDERS

- International updates must be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- 11 PM – 7 AM shift is responsible for the summary call with Brooke, Danielle and Eric, scheduled daily at 0500 EST unless rescheduled, and subsequent write-up of one-pager for Margie. Margie reminds us that the write-up should not contain technical details, which are already captured in other reports, and should be marked "Official Use Only – Foreign Government Information."
- The 11pm-7am shift is responsible for sending all emails from the previous day to the FOIA email address. Open new email, copy previous day's emails as an attachment and send to FOIA Response.hoc@nrc.gov.
- Kirk, Brooke, Danielle and Eric requested that the international team to sit in on calls with the ET and team leader (Chuck or Dan) to take notes and provide a short summary of what was discussed via email.
- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have an international call.
- Reminder to Keep Mark Shaffer in-the-loop at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.
- Request from RST and PMT to keep them updated on who is currently in Japan on NRC team.
- **Sanitary wipes now available. Action:** Please wipe the keyboards, mice and phones before you leave.

~~OFFICIAL USE ONLY~~

From: Hoc, RST16
Sent: Thursday, March 31, 2011 10:00 PM
To: RST06 Hoc
Subject: RE: Support for Japan - SFP Criticality Potential

Will do. I'd like to send Kent tonight's ~2230 update along with the RST Assessment report. I'll make sure this happens before I leave.

John

From: RST06 Hoc
Sent: Thursday, March 31, 2011 9:58 PM
To: RST01 Hoc
Cc: Ruland, William; Skeen, David; Hiland, Patrick; Hackett, Edwin; Holian, Brian; Case, Michael; Dudes, Laura; Taylor, Robert; Hoc, RST16; wagnerjc@ornl.gov
Subject: RE: Support for Japan - SFP Criticality Potential

I have just completed a conversation with Kent Wood. I have assigned him as the lead to get back with Rob Taylor on the site team with the answers on SFP criticality. Because of the frequent hand offs, it's not clear that we have given the site team a clear answer.

John: supply latest status report to Kent Wood, as well as the current RST assessment document.

Kent: make clear assumptions, give the likelihood of criticality in the respective pools, and what NRC believes is the likely consequences of any criticality, and any recommendations that we should make to Japan. Consult with anyone you deem appropriate. Feel free to use any previous analysis performed and documented in the RST.

Goal: answer by COB 4/1 EDT or modify schedule as you determine appropriate.

BWR analyst (RST07): provide Kent the analysis you recently performed about our uncovering rate of U4 SFP.

RST Coordinator: please track.

Thank you.

Bill Ruland
RST Team Director

From: Uhle, Jennifer
Sent: Thursday, March 31, 2011 10:11 AM
To: Brown, Frederick; RST01 Hoc; RST06 Hoc
Cc: Ruland, William; Skeen, David; Hiland, Patrick; Hackett, Edwin; Holian, Brian; Case, Michael; Dudes, Laura
Subject: RE: Support for Japan - SFP Criticality Potential

There is also an ANS write up on criticality of the SFPs in the chronology.

UUUU/34

From: Brown, Frederick
Sent: Thursday, March 31, 2011 8:48 AM
To: RST01 Hoc; RST06 Hoc
Cc: Ruland, William; Skeen, David; Hiland, Patrick; Hackett, Edwin; Holian, Brian; Case, Michael; Uhle, Jennifer; Dudes, Laura
Subject: FW: Support for Japan - SFP Criticality Potential

FYI – regarding the boration question.

From: Carlson, Donald
Sent: Tuesday, March 29, 2011 7:25 AM
To: Wood, Kent; Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Barto, Andrew; Rahimi, Meraj; Tripp, Christopher; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential

Kent,

I agree. Thank you for the clarification.

Don

From: Wood, Kent
Sent: Tuesday, March 29, 2011 7:09 AM
To: Carlson, Donald; Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Barto, Andrew; Rahimi, Meraj; Tripp, Christopher; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential

All,

It would be incorrect to assume that the NRC Interoffice Technical Advisory Group (TAG) for Nuclear Criticality Safety took a position one way or another with regard to the likelihood of an inadvertent criticality event in the Fukushima Daiichi spent fuel pools. The discussion was essentially a report by Don Carlson that he and others had responded to a question concerning the potential for an inadvertent criticality event in the SFPs. There was insufficient information in the discussion for the NCS TAG to evaluate.

Kent A. L. Wood
Team Leader
Spent Fuel Team (SFT)
Reactor Systems Branch (SRXB)
Division of Safety Systems (DSS)
Office of Nuclear Reactor Regulation (NRR)
301-415-4120

From: Carlson, Donald
Sent: Monday, March 28, 2011 1:07 PM
To: Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Wood, Kent; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher
Subject: RE: Support for Japan - SFP Criticality Potential

All,

Pending contact with Rob Taylor in Japan, here is a quick recap of the statement we made when asked over a week ago to advise on SFP criticality concerns:

Statement: Criticality is very unlikely for any likely configuration in the SFPs, especially if boron is being added. Moreover, if criticality were to occur, it would be of much less consequence than an empty pool.

- This statement was based in part on a preliminary understanding that the plants' SFPs have low-density racks made of borated stainless steel. The statement also included reminders that the water in BWR SFPs is generally not borated and that criticality is physically impossible without water.

- The statement was drafted and concurred on by ORNL (John Wagner, Cecil Parks, Calvin Hopper), NRC/RES (Richard Lee), and NRC/NRO (Don Carlson) and provided to the Hoc Reactor Safety Team.

- The statement was also discussed briefly last week at a meeting of the NRC Interoffice Technical Advisory Group (TAG) for Nuclear Criticality Safety. The TAG meeting was attended by Kent Wood (NRR) and Chris VanWert (NRO) in their respective roles for reviewing SFP criticality safety at existing reactors and new reactors.

Don

-----Original Message----
From: Carlson, Donald
Sent: Monday, March 28, 2011 9:30 AM
To: Brown, Frederick
Cc: Taylor, Robert; Scott, Michael
Subject: RE: Support for Japan

Fred,

That phone number doesn't work.

Don

-----Original Message-----
From: Brown, Frederick
Sent: Sunday, March 27, 2011 9:11 PM
To: Carlson, Donald
Cc: Taylor, Robert; Scott, Michael
Subject: Support for Japan

Don,

Can you please call Rob Taylor in Japan (noting the time difference, please call very early on day shift or in the evening)? He would like to have a follow-up conversation on SFP criticality potential.

His cell is (b)(6)

Thanks,
Fred

From: RST01 Hoc
Sent: Thursday, March 31, 2011 6:42 AM
To: RST07 Hoc; RST03 Hoc
Cc: FOIA Response.hoc Resource
Subject: FW: Support for Japan - SFP Criticality Potential Update

---

From: Carlson, Donald
Sent: Thursday, March 31, 2011 6:39 AM
To: RST01 Hoc
Subject: FW: Support for Japan - SFP Criticality Potential Update

---

From: Taylor, Robert
Sent: Thursday, March 31, 2011 1:44 AM
To: Taylor, Robert; 'Wagner, John C.'; Carlson, Donald; 'Parks, Cecil V.'; 'Hopper, Calvin Mitchell'; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; 'Gehin, Jess C.'; 'Mueller, Don'; 'Marshall, William BJ J.'; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential Update

We just realized that the pitch is different between the E-W direction and N-S directions. The numbers below are correct for the E-W direction. In the N-S direction, the pitch is slightly larger, 194mm.

From: Taylor, Robert
Sent: Thursday, March 31, 2011 1:28 AM
To: 'Wagner, John C.'; Carlson, Donald; Parks, Cecil V.; Hopper, Calvin Mitchell; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; Gehin, Jess C.; Mueller, Don; Marshall, William BJ J.; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential Update

John, Don, and others,

We have received hardcopy drawings of the spent fuel racks in Unit 4. As we read them, it looks like each cell is 152mm across and the center-to-center pitch is 168.5mm. They are high-density.

Rob

From: Wagner, John C. [mailto:wagnerjc@ornl.gov]
Sent: Tuesday, March 29, 2011 7:30 AM
To: Wagner, John C.; Taylor, Robert; Carlson, Donald; Parks, Cecil V.; Hopper, Calvin Mitchell; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; Gehin, Jess C.; Mueller, Don; Marshall, William BJ J.; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential Update

UUUU/35

With attachment...

John C. Wagner, PhD
Oak Ridge National Laboratory
Phone: (865) 241-3570
Mobile (b)(6)

From: Wagner, John C.
Sent: Tuesday, March 29, 2011 7:28 AM
To: 'Taylor, Robert'; Carlson, Donald; Parks, Cecil V.; Hopper, Calvin Mitchell; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; Gehin, Jess C.; Mueller, Don; Marshall, William BJ J.; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential Update

Rob,
Yes, center-to-center pitch would be a good start. We have information on the complete inventory of the SFPs, including Unit 4 – see attached for some summary information. Our information indicates that the Unit 4 SFP has high-density racks, and makes us suspicious that Unit 4 SFP could have the same or similar high-density racks as are in the Unit 1-3 pools.

To be clear, I still suspect the likelihood of criticality is very small, as there should be significant reactivity margin in the system. However, the possibility that the Unit 4 SFP racks could have been uncovered for some period of time, the fact that we have received incorrect information on the racks previously, the fact that we have no information on the condition of the racks or the spent fuel, and that the other SFPs have Al-based racks, makes we want to proceed with caution.

I hope this is helpful

Best Regards,

John C. Wagner, PhD
Oak Ridge National Laboratory
Phone: (865) 241-3570
Mobile: (b)(6)

From: Taylor, Robert [mailto:Robert.Taylor@nrc.gov]
Sent: Tuesday, March 29, 2011 6:01 AM
To: Wagner, John C.; Carlson, Donald; Parks, Cecil V.; Hopper, Calvin Mitchell; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; Gehin, Jess C.; Mueller, Don; Marshall, William BJ J.; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential Update

John,

Thanks for the consideration. We will stand fast until a consolidated position is reached.

I doubt we can get all of the information you (and I) would love to have. We will start small to see if we can get the center-to-center pitch in the racks. Note that the Daiichi SFPs are relatively low capacity in that they do not have as many assemblies in the pool as a typical US BWR. There is a common pool on-site where many of

the spent fuel assemblies are moved. We understand that there Unit 4 pool had ~1000 assemblies in the pool. As such, it is possible that these are low-density racks.

We will try to ask for the center-to-center pitch tomorrow.

Regards,
Rob

From: Wagner, John C. [mailto:wagnerjc@ornl.gov]
Sent: Monday, March 28, 2011 11:32 PM
To: Carlson, Donald; Parks, Cecil V.; Hopper, Calvin Mitchell; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; Taylor, Robert; Gehin, Jess C.; Mueller, Don; Marshall, William BJ J.
Subject: RE: Support for Japan - SFP Criticality Potential Update

Don,
As you stated, the previous assessment was based on information at the time, which was that the SFPs all had high-density, borated SS racks. Given the high melting temperature of SS, we expected the neutron absorbers to remain effective up to temperatures at which concern about criticality would be overtaken by concerns related to significant release of radiation due to fuel damage.

We have since learned that the initial information on the racks was incorrect. Specifically, from EPRI and NEI we have the following information (received in the past 2 days):
"*-->Units 1, 2, 3 have both aluminum racks as well as borated aluminum racks.*
Unit 4 has only non-borated stainless racks."
This information is consistent with the information you have below.

The above information raises questions/concerns

- Available information suggestions the Unit 4 SFP racks are high-density (no flux traps)
- Yet, based on our experience, high-density requires neutron absorber panels, e.g., Boral, borated SS, etc.
- So, we need more information on the Unit 4 SFP racks to full assess criticality potential there
- Concern is that the Unit 4 SFP racks may be similar to the Unit 1-3 SFP racks, i.e., borated Al (not SS), and that if the Unit 4 SFP racks were uncovered for some period of time, the neutron absorber effectiveness could be compromised. If this is the case, reflooding with un-borated water could very well be a PROBLEM.
- Another issue is that if the racks are truly SS without Boron, then some large spacing and/or flux traps would be required. Damage to the racks could decrease spacing, which would be a concern, particularly given the statement from below "Japanese concerns that the racks may have shifted".
- We do know that the Unit 4 SFP has >100 assemblies in the peak reactivity burnup range that are stored together.

Generally speaking, if the effectiveness of the racks is maintained (geometric separation of individual assemblies and absorption properties), we do not expect fuel degradation/reconfiguration to offset the inherent safety margins required by international standards and regulatory requirements for spent fuel pool criticality safety analyses, e.g., all assemblies at their peak reactivity, 0.05 margin in keff, and the various standard conservatisms in typical safety analyses (e.g., analyses based on most reactive lattice design, conservative depletion assumptions, ambient spent fuel pool water temperature, etc.).

So, coming back around to your specific question: **Do we now see a need to modify or expand the above technical opinion? If so, how?**

Answer: "yes" My revised position is the following:
"Given that the overall efficacy of the racks has been maintained, in terms of geometric separation of assemblies and neutron absorption characteristics, my opinion is that criticality in the spent fuel pools is very unlikely, particularly if boron is being used, and that the consequences of criticality in one of the spent fuel pools will not be significant in comparison to the consequences of the pool remaining empty/exposed. Provided the nuclear criticality safety analyses for the spent fuel pools were performed accurately and consistent with US Nuclear Regulatory Commission requirements and that the spent fuel racks were manufactured, installed and loaded consistent with the supporting nuclear criticality safety analyses, sufficient margin should be present to offset potential increases in reactivity associated with fuel reconfiguration. (Note: under normal circumstances, BWR spent fuel pools do not have borated water, and hence are designed and analyzed to be safe when flooded with un-borated water). If the efficacy of the racks is in question, I strongly suggest continued use of borated water until/unless the condition and design of the racks can be properly assessed. These are my personal/professional opinions, based on the information available to me at this time, and should be treated as such."
Once I get input from others at ORNL, we will provide a collective position.

Note, depending on how hot the Unit 1-3 SFPs have been, I may have some concern about criticality in those pools since they utilize aluminum and borated aluminum racks.

Questions for you:

1) Can we get the design specifications for the SFP racks, particularly those in the Unit 4 SFP, ASAP?
2) Can we get the nuclear criticality safety analyses that was performed in support of the SFP rack licensing?
3) Can we get any photos or assessments of the condition of the spent fuel and spent fuel racks, particularly in Unit 4 SFP, ASAP? I was told video of the Unit 4 SFP (from a camera mounted on top of the fill pipe) would be available on 3/24, but I have yet to see it.

FYI – we have prepared a set of slides (attached) for the DOE related to this issue that has some additional information/basis that may be useful to you. These slides have yet to be provided to DOE and are likely to be revised to include the above, revised assessment pending review.

If you have any questions whatsoever, please do not hesitate to call me at any time – day or night – on my mobile number.

Best Regards,

John C. Wagner, PhD
Oak Ridge National Laboratory
Phone: (865) 241-3570
Mobile: (b)(6)

From: Carlson, Donald [mailto:Donald.Carlson@nrc.gov]
Sent: Monday, March 28, 2011 9:14 PM
To: Wagner, John C.; Parks, Cecil V.; Hopper, Calvin Mitchell; Lee, Richard; Wood, Kent; VanWert, Christopher
Cc: Scott, Michael; Ulses, Anthony; Yarsky, Peter; Giessner, John; Taylor, Robert
Subject: RE: Support for Japan - SFP Criticality Potential Update
Importance: High

All,

Rob Taylor (NRC/NRR, on Cc) called from Japan to revisit the Unit 4 pool criticality issue. He provides the following details:

- Unit 4 racks are not borated
- Switching to unborated fresh water injection on 3/29
- Shutdown last November with 1/3 of the core offload being 1st cycle fuel
- 204 fresh fuel assemblies were present in the pool
- Japanese concerns that the racks may have shifted
- Fuel damage due to uncovery

Our NRC+ORNL technical opinion as of March 19 was as follows:
Statement: Criticality is very unlikely for any likely configuration in the SFP, especially if boron is being added. Moreover, if criticality were to occur, it would be of much less consequence than an empty pool. (The statement also included reminders that the water in BWR SFPs is generally not borated and that criticality is not possible without water.)

That opinion may have been based in part on a preliminary understanding that the Unit 4 SFP had low-density racks of borated stainless steel.

Question: Do we now see a need to modify or expand the above technical opinion? If so, how?

Responses or questions provided by 10:00am EST Tuesday would be especially appreciated.

As always, your help and advice is deeply appreciated.

Best regards,
Don

Donald E. Carlson
NRO/ARP/ARB1
Cell (b)(6)
Office: 301-415-0109

From: Taylor, Robert
Sent: Monday, March 28, 2011 6:59 PM
To: Carlson, Donald; Brown, Frederick
Cc: Scott, Michael; Wood, Kent; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Giessner, John
Subject: RE: Support for Japan - SFP Criticality Potential

Don,

The RST has given us their bridge line for a call at 2000 EST.

(b)(6) Passcode (b)(6)

Info for consideration during the call:

Unit 4 racks are not borated
Switching to fresh water injection on 3/29
Shutdown last November with 1/3 of the core offload being 1st cycle fuel
204 fresh fuel assemblies were present in the pool
Japanese concerns that the racks may have shifted.
Fuel damage due to uncovery

Regards,
Rob

From: Carlson, Donald
Sent: Monday, March 28, 2011 6:23 PM
To: Taylor, Robert; Brown, Frederick
Cc: Scott, Michael; Wood, Kent; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Giessner, John
Subject: RE: Support for Japan - SFP Criticality Potential

Rob,

It would be helpful to get some confirmation/clarification on which pools are of most concern and their respective rack designs and fuel loadings.

The core off-load in the Unit 4 pool was the main concern when we provided the technical opinion over a week ago, with the preliminary understanding that those racks were of borated stainless steel and not high-density.

FYI – When I call your cell phone number, AT&T says more information is needed, then asks to enter the number again to leave a voice message, and then says the voice mailbox has not been set up.

My cell phone number is (b)(6) Or I can plan to report to the RST at 2000 EDT or 0530 EST. Please let me know how I can best help.

Thanks,
Don

From: Taylor, Robert
Sent: Monday, March 28, 2011 5:59 PM
To: Carlson, Donald; Brown, Frederick
Cc: Scott, Michael; Wood, Kent; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Giessner, John
Subject: RE: Support for Japan - SFP Criticality Potential

Don,

I missed your call last night. The cell number works but isn't my normal blackberry number so I don't know if the message is set up correctly. I would still like to chat briefly to ensure we are still aligned on this issue. Can we set up something for 0900 JST (2000 EDT) or 1830 JST (0530 EST)

Rob

From: Carlson, Donald
Sent: Monday, March 28, 2011 1:07 PM
To: Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Wood, Kent; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher
Subject: RE: Support for Japan - SFP Criticality Potential

All,

Pending contact with Rob Taylor in Japan, here is a quick recap of the statement we made when asked over a week ago to advise on SFP criticality concerns:

Statement: Criticality is very unlikely for any likely configuration in the SFPs, especially if boron is being added. Moreover, if criticality were to occur, it would be of much less consequence than an empty pool.

- This statement was based in part on a preliminary understanding that the plants' SFPs have low-density racks made of borated stainless steel. The statement also included reminders that the water in BWR SFPs is generally not borated and that criticality is physically impossible without water.

- The statement was drafted and concurred on by ORNL (John Wagner, Cecil Parks, Calvin Hopper), NRC/RES (Richard Lee), and NRC/NRO (Don Carlson) and provided to the Hoc Reactor Safety Team.

- The statement was also discussed briefly last week at a meeting of the NRC Interoffice Technical Advisory Group (TAG) for Nuclear Criticality Safety. The TAG meeting was attended by Kent Wood (NRR) and Chris VanWert (NRO) in their respective roles for reviewing SFP criticality safety at existing reactors and new reactors.

Don

-----Original Message-----
From: Carlson, Donald
Sent: Monday, March 28, 2011 9:30 AM
To: Brown, Frederick
Cc: Taylor, Robert; Scott, Michael
Subject: RE: Support for Japan

Fred,

That phone number doesn't work.

Don

-----Original Message-----
From: Brown, Frederick
Sent: Sunday, March 27, 2011 9:11 PM
To: Carlson, Donald
Cc: Taylor, Robert; Scott, Michael
Subject: Support for Japan

Don,

Can you please call Rob Taylor in Japan (noting the time difference, please call very early on day shift or in the evening)? He would like to have a follow-up conversation on SFP criticality potential.

His cell is (b)(6)

Thanks,
Fred

From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
Sent: Friday, April 01, 2011 12:56 PM
To: LIA01 Hoc; LIA03 Hoc; LIA02 Hoc
Subject: FW: eCC - [INFO ONLY, NO ACTION] - Itinerary #631444/Salay REQUEST SUBMITTED, ARRIVAL: 4/3/2011

USAID Travel Authorization for Mr. Salay is in concurrence cycle. Enclosed are flight details. I'm trying to keep track off status; however, they have the same multi-layered e-Travel approval process to work through. Imagine trying to push something through our e-Travel in one day (on Friday)!

No further information is required at this time.

Joe Anderson
NRC Liaison to USAID
(b)(6)

From: RMTPACTSU_ELNRC
Sent: Friday, April 01, 2011 11:50 AM
To: mike.salay@gmail.com; Salay, Michael (Michael.Salay@nrc.gov)
Subject: FW: eCC - [INFO ONLY, NO ACTION] - Itinerary #631444/Salay REQUEST SUBMITTED, ARRIVAL: 4/3/2011

FYI. Currently waiting on TA approval. Final Itinerary will be forwarded to you once approved.

From: ecc@state.gov [mailto:ecc@state.gov]
Sent: Friday, April 01, 2011 11:56 AM
To: RMTPACTSU_ELNRC
Subject: eCC - [INFO ONLY, NO ACTION] - Itinerary #631444/Salay REQUEST SUBMITTED, ARRIVAL: 4/3/2011

Request Summary

Itinerary #:631444 **Date Requested:**4/1/2011

Request Summary

Travel Itinerary				
Destination Country	**Destination Cities**	**Start Date**	**End Date**	**Status**
JAPAN	Tokyo	4/3/2011	4/16/2011	PENDING

Travelers

Name: Michael A Salay
Contact Info: (b)(6) michael.salay@nrc.gov
Country of Birth: USA
Emergency Contact: (b)(6)
Clearance: (b)(6)
Clearance Verification: (b)(6)
Additional Info:

Agency: Nuclear Regulatory Commission
Employment Type: Direct Hire
Passport Type: (b)(6)
Passport #: (b)(6)
Passport Country: (b)(6)

0000/36

Other Group Members:
None

Carrier Information					
Carrier and #	Mode	Departure Point	Departure Date/Time	Arrival Point	Arrival Date/Time
United Airlines - 0803	AIR	Washington Dulles	4/2/2011 12:21:00 PM	Tokyo Narita, Japan	4/3/2011 3:10:00 PM

Request Details

JAPAN				
Clearance From	**Agency/Section/Other**	**Arrival Date**	**Departure Date**	**Status**
JAPAN/TOKYO	USAID	4/3/2011	4/16/2011	PENDING

Other Posts & Sections to be Informed	
Post	Section

Destination Cities Tokyo

VIP Visit? No

Purpose of Visit VisitServe as NRC Specialist for the Disaster Assistance Response Team from USAID's Office of Foreign Disaster Assistance

Access to Building Required? Yes

POC at post Natalya Johnson, John Beed

Access to PCC Required? No

Fiscal Data: *None*

Other Comments/Remarks: *None*

Hotel Reservations? Yes; USAID DART to make hotel reservations

Airport Assistance/Transportation? No

Accompanying Pouch? No

Appointment Request? No

Other Needed Assistance? No

Hotel Accommodations					
Hotel Name	Street Address	City	Rate	Local Telephone #	Confirmation #

List of recipients:

[ACTION]-REQUEST APPROVER:
yamakirx@state.gov
beedja@state.gov
[INFO]-COUNTRY DESK:
williamsge@state.gov
kelleyk@state.gov
[INFO]-GROUP CC:
vizcarrajk@state.gov
horowitzpd@state.gov
miyajimacx@state.gov
bergermc@state.gov

katagirinx@state.gov
[INFO]-REQUESTOR CC:
travel@ofda.gov
rmtpactsu_crc@ofda.gov
rmtpactsu_elnrc@ofda.gov
rmtpactsu_ac@ofda.gov
njohnson@ofda.gov

From: Thorp, John
Sent: Friday, April 01, 2011 3:29 PM
To: Wood, Kent; RST06 Hoc
Cc: Ruland, William
Subject: RE: Support for Japan - SFP Criticality Potential
Attachments: FW: SENSITIVE - USNRC REACTOR SAFETY TEAM ASSESSMENT REV 1

My apologies Kent, I think I tried to e-mail the information to you, but I had a lot of computer problems at my workstation in the RST last night and this must have been one of the e-mails that didn't make it.

I think I'd tried to send you the REV1 RST Assessment document. Please see the attached.

John

From: Wood, Kent
Sent: Friday, April 01, 2011 6:41 AM
To: RST06 Hoc
Cc: Thorp, John
Subject: RE: Support for Japan - SFP Criticality Potential

I have not yet received any of the information Bill Ruland requested be sent to me. Additionally, the attached email makes it unclear whether I should continue the task assigned by Bill Ruland last night or wait for the EPRI analysis.

Also I don't have a phone number for the RST.

Please update me on the status of the task Bill Ruland assigned me last night. If the task is still current please provide the information.

I can be reached at home on (b)(6) or by my cell on (b)(6)

Kent Wood

From: RST06 Hoc
Sent: Thursday, March 31, 2011 10:44 PM
To: Wagner, John C.
Cc: Wood, Kent; Thorp, John
Subject: RE: Support for Japan - SFP Criticality Potential

Sorry. John is John Thorp, here in the IRC.

Bill

From: Wagner, John C. [mailto:wagnerjc@ornl.gov]
Sent: Thursday, March 31, 2011 10:09 PM
To: RST06 Hoc
Cc: Wood, Kent
Subject: RE: Support for Japan - SFP Criticality Potential

0000/37

Bill,
Is the John referred to below me or someone else?

John C. Wagner, PhD
Oak Ridge National Laboratory
Phone: (865) 241-3570
Mobile: (b)(6)

From: RST06 Hoc [mailto:RST06.Hoc@nrc.gov]
Sent: Thursday, March 31, 2011 9:58 PM
To: RST01 Hoc
Cc: Ruland, William; Skeen, David; Hiland, Patrick; Hackett, Edwin; Holian, Brian; Case, Michael; Dudes, Laura; Taylor, Robert; Hoc, RST16; Wagner, John C.
Subject: RE: Support for Japan - SFP Criticality Potential

I have just completed a conversation with Kent Wood. I have assigned him as the lead to get back with Rob Taylor on the site team with the answers on SFP criticality. Because of the frequent hand offs, it's not clear that we have given the site team a clear answer.

John: supply latest status report to Kent Wood, as well as the current RST assessment document.
Kent: make clear assumptions, give the likelihood of criticality in the respective pools, and what NRC believes is the likely consequences of any criticality, and any recommendations that we should make to Japan. Consult with anyone you deem appropriate. Feel free to use any previous analysis performed and documented in the RST.

Goal: answer by COB 4/1 EDT or modify schedule as you determine appropriate.

BWR analyst (RST07): provide Kent the analysis you recently performed about our uncovering rate of U4 SFP.

RST Coordinator: please track.

Thank you.

Bill Ruland
RST Team Director

From: Uhle, Jennifer
Sent: Thursday, March 31, 2011 10:11 AM
To: Brown, Frederick; RST01 Hoc; RST06 Hoc
Cc: Ruland, William; Skeen, David; Hiland, Patrick; Hackett, Edwin; Holian, Brian; Case, Michael; Dudes, Laura
Subject: RE: Support for Japan - SFP Criticality Potential

There is also an ANS write up on criticality of the SFPs in the chronology.

From: Brown, Frederick
Sent: Thursday, March 31, 2011 8:48 AM
To: RST01 Hoc; RST06 Hoc
Cc: Ruland, William; Skeen, David; Hiland, Patrick; Hackett, Edwin; Holian, Brian; Case, Michael; Uhle, Jennifer; Dudes, Laura
Subject: FW: Support for Japan - SFP Criticality Potential

FYI – regarding the boration question.

From: Carlson, Donald
Sent: Tuesday, March 29, 2011 7:25 AM
To: Wood, Kent; Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Barto, Andrew; Rahimi, Meraj; Tripp, Christopher; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential

Kent,

I agree. Thank you for the clarification.

Don

From: Wood, Kent
Sent: Tuesday, March 29, 2011 7:09 AM
To: Carlson, Donald; Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher; Barto, Andrew; Rahimi, Meraj; Tripp, Christopher; Nakanishi, Tony
Subject: RE: Support for Japan - SFP Criticality Potential

All,

It would be incorrect to assume that the NRC Interoffice Technical Advisory Group (TAG) for Nuclear Criticality Safety took a position one way or another with regard to the likelihood of an inadvertent criticality event in the Fukushima Daiichi spent fuel pools. The discussion was essentially a report by Don Carlson that he and others had responded to a question concerning the potential for an inadvertent criticality event in the SFPs. There was insufficient information in the discussion for the NCS TAG to evaluate.

Kent A. L. Wood
Team Leader
Spent Fuel Team (SFT)
Reactor Systems Branch (SRXB)
Division of Safety Systems (DSS)
Office of Nuclear Reactor Regulation (NRR)
301-415-4120

From: Carlson, Donald
Sent: Monday, March 28, 2011 1:07 PM
To: Brown, Frederick
Cc: Taylor, Robert; Scott, Michael; Wood, Kent; Ulses, Anthony; Yarsky, Peter; VanWert, Christopher
Subject: RE: Support for Japan - SFP Criticality Potential

All,

Pending contact with Rob Taylor in Japan, here is a quick recap of the statement we made when asked over a week ago to advise on SFP criticality concerns:

Statement: Criticality is very unlikely for any likely configuration in the SFPs, especially if boron is being added. Moreover, if criticality were to occur, it would be of much less consequence than an empty pool.

- This statement was based in part on a preliminary understanding that the plants' SFPs have low-density racks made of borated stainless steel. The statement also included reminders that the water in BWR SFPs is generally not borated and that criticality is physically impossible without water.

- The statement was drafted and concurred on by ORNL (John Wagner, Cecil Parks, Calvin Hopper), NRC/RES (Richard Lee), and NRC/NRO (Don Carlson) and provided to the Hoc Reactor Safety Team.

- The statement was also discussed briefly last week at a meeting of the NRC Interoffice Technical Advisory Group (TAG) for Nuclear Criticality Safety. The TAG meeting was attended by Kent Wood (NRR) and Chris VanWert (NRO) in their respective roles for reviewing SFP criticality safety at existing reactors and new reactors.

Don

-----Original Message-----
From: Carlson, Donald
Sent: Monday, March 28, 2011 9:30 AM
To: Brown, Frederick
Cc: Taylor, Robert; Scott, Michael
Subject: RE: Support for Japan

Fred,

That phone number doesn't work.

Don

-----Original Message-----
From: Brown, Frederick
Sent: Sunday, March 27, 2011 9:11 PM
To: Carlson, Donald
Cc: Taylor, Robert; Scott, Michael
Subject: Support for Japan

Don,

Can you please call Rob Taylor in Japan (noting the time difference, please call very early on day shift or in the evening)? He would like to have a follow-up conversation on SFP criticality potential.

His cell is (b)(6)

Thanks,
Fred

From: RST01 Hoc
Sent: Tuesday, April 05, 2011 11:13 PM
To: RST08 Hoc; RST07 Hoc; RST09 Hoc; RST06 Hoc
Subject: FW: GOOP

From: GE Hitachi Nuclear Response Team (GE Power & Water) [mailto:GE.HitachiNuclearResponseTeam@ge.com]
Sent: Tuesday, April 05, 2011 11:05 PM
To: RST01 Hoc
Subject: RE: GOOP

GEH has no further comment.

Jeff

Jeff A. Hren
Technical Project Manager
GE Hitachi Nuclear Energy

T 910 819 4729
M (b)(6)
F 910 362 4729

E Jeffa.Hren@ge.com

3901 Castle Hayne Road, M/C F-12
P.O. Box 780
Wilmington, NC 28402, USA

From: RST01 Hoc [mailto:RST01.Hoc@nrc.gov]
Sent: Tuesday, April 05, 2011 7:22 PM
To: (b)(6)

(b)(6)

Subject: GOOP

All,

Attached are the notes taken from the Japan Team and Consortium 0300 phone call. The discussion revolved around the Japan plans to "Goop" the site with a material called "Fix It"; it is purported to be used as a way to fix ground and building loose contamination. TEPCO Japan is planning to perform this action in the future.

UUUU/38

The RST has received no further comments. Unless we hear differently by 0800 on April 6, 2011, we will be forwarding this information on to our site team. Thanks in advance.

Respectfully,
Greg
RST Coordinator

3/31/2011 (22:00 EDT) Issue with Goop

Japan Team and Consortium 3:00 am Phone Call (RST log 2040)

INPO Bob Ryan
EPRI Steve Modine
Japan Team
RST
GE

Japan plans to "Goop" the site with a material called "Fix It" it is purported to be used as a way to fix ground and building loose contamination. TEPCO Japan is planning to perform this action in the future. RST has some preliminary product information and has passed this to the Consortium.

RST and Consortium 11:00 am Phone Call

INPO:

1. Organic compounds like the one suggested by the Japanese when exposed to radiation. can form a glue-like material (peanut butter!) and may cause more problems
2. water is the best solution for now

???: Any other compound available?

TEPCO is planning a test before using their compound – INPO's concern is that it will take time for radiations effects (~few days?)

INPO: Concern with this method are (1) impact on heat transfer in the spent fuel pool, and (2) effect on the remote devices

ACTION: Need to provide input to Mike Scott by 4/5/11

From: Abrams, Charlotte
Sent: Tuesday, April 05, 2011 3:45 PM
To: LIA02 Hoc; LIA03 Hoc
Subject: FW: Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

See message below from French Embassy representative. Please check with LT or the RST to see if we have answers. We need to get back to Mr. Figuet today or early tomorrow regarding his questions. I will be happy to follow up with him or someone in the ops center can follow up directly via e-mail or phone. Please copy me on anything that is sent or notify me if a call is made. Thanks.

From: FIGUET Jacques [mailto:jacques.figuet@diplomatie.gouv.fr]
Sent: Tuesday, April 05, 2011 1:42 PM
To: Abrams, Charlotte
Subject: TR: Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

Hi Charlotte,
Eric suggested that I get in touch with you if I had any question during his absence.
I know that INL is coordinating the DOE national labs analysis of the accident. Is it a joint team with the NRC experts (who have different backgrounds) or do DOE and NRC teams work with different goals and in this case, which ones respectly?
We also wonder whether the use of a barge for storing contaminated water is still considered as we noticed that the Japan NSC allowed yesterday to empty an important volume of low level water in the sea? have you any information about it?
Thank you for all information, you could provide.
Regards,
Jacques

Jacques FIGUET
Counselor for Nuclear Affairs
Embassy of France
4101 Reservoir rd NW
Washington DC 20007
tel 202 944 6370
cel (b)(6)

De : Stahl, Eric [mailto:Eric.Stahl@nrc.gov]
Envoyé : vendredi 25 mars 2011 20:49
À : FIGUET Jacques
Objet : Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

I am currently out of the office and will be periodically checking my email. If you need immediate assistance, please contact the NRC Office of International Program's front desk (301-415-1780). I'm sorry for any inconvenience.

For inquiries concerning the NRC response to the current situation in Japan, please contact the International Liaison Desk in the NRC's Headquarters Operations Center at LIA02.hoc@nrc.gov or LIA03@hoc.nrc.gov or +1-301-826-5100.

For questions concerning the NRC's Uranium Recovery Workshop, please contact Ms. Charlotte Abrams (301-415-2933 or charlotte.abrams@nrc.gov) or Emily Larson (301-415-2336 or emily.larson@nrc.gov).

Thank you for your patience.

Eric Stahl
Office of International Programs
eric.stahl@nrc.gov

UUUU/ 39

From: Jones, Andrea
Sent: Wednesday, April 06, 2011 3:43 PM
To: LIA02 Hoc; Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; Owens, Janice; Fehst, Geraldine; Foggie, Kirk; Breskovic, Clarence; LIA08 Hoc; LIA06 Hoc
Subject: RE: OUO- Transition Report April 6, 0630 - 1500

Hi Everyone!

Just a quick note to let you all know that I have mistakenly been included in this email. There are two "Andrea Jones" in the NRC. I am Andrea' Z. Jones, at Andrea.Jones@nrc.gov. I think you are really intending to address this email to Andrea' R. Jones at Andrea.Jones2@nrc.gov who is located in the Office of International Programs.

I hope you all have a good day!

Andrea' Z. Jones
Attorney
Office of the General Counsel
USNRC

From: LIA02 Hoc
Sent: Wednesday, April 06, 2011 2:37 PM
To: Doane, Margaret; Mamish, Nader; Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; Owens, Janice; Fehst, Geraldine; Foggie, Kirk; Breskovic, Clarence; LIA08 Hoc; LIA02 Hoc; LIA06 Hoc
Subject: OUO- Transition Report April 6, 0630 - 1500

TRANSITION REPORT FOR APRIL 6, 0630- 1530
Skip to Lauren

UPDATES DURING SHIFT

- **Coordination of IAEA and U.S. Efforts.** While the IAEA's Incident and Emergency Centre (IEC) has not agreed to be a formal "clearinghouse" (i.e., actively reaching out to all IAEA member states requesting that all assistance efforts be coordinated through the IEC), they are tracking all offers for assistance via a database that was posted on ENAC last week. For the effort to be effective, they need input from countries, and they do not have anything from the United States. It was our initial understanding that DoD (Navy) is taking a logistical leadership role in coordinating equipment-provision efforts for the USG. However, INPO has taken the lead on equipment issues although the State Department had taken a lead role in the "Consortium." US Embassy Tokyo had established a tracking system to compile assistance requests from the Japanese and offers from USG entities. INPO had been separately tracking equipment requests (see INPO item below). The Embassy and INPO tracking have been merged. On April 5, LT received the latest equipment request matrices from USAID, originated by the Tokyo embassy. OMB

UUUU/40

indicated to LT on April 5th conference call that they intend to start approving all finances for equipment purchases for Japan.

- **Air Cards.** Received request from Danielle to have air cards deactivated due to malfunctioning and potential losses. Requested clarification of which were missing and which desired to be deactivated. Notified Joe Turner of OIS. He will have someone work on to turn off all air cards issued for Japan. Action: follow up.

- **Mailbox size limits**. Team requested verification that mailboxes had size limits increased due to difficulties sending emails. Notified Joe Turner in OIS. OIS will provide a list of email accounts that have been increased . Action: follow up.

- **Plant Status Updates.** James Whitney, NSIR has requested that all of the "Plant Status" news releases on ENAC be sent to him to assist other government agencies in their analysis of the situation. **Action:** Send james.whitney@nrc.gov "plant status updates" on ENAC as they come in (last one sent on 12:30 pm on 4/6).

FUTURE ACTIONS/OPEN ITEMS

- ***News Reports on IAEA "Recommendation" to Extend Evacuation Zone:*** *News media is reporting that* the IAEA has called on Japan to extend the evacuation zone around Fukushima, based on abnormal levels of radiation detected in a village outside the current evacuation zone. This was not a special announcement nor a formal recommendation from the IAEA. Instead, the reports result from information provided at the March 30 IAEA technical briefing, at which DDG Denis Flory reported on the location of the abnormal radiation levels and noted that they were located outside the evacuation zone. When asked a direct question about whether the IAEA was recommending that Japan extend the zone, DDG Flory stated only that the IAEA was encouraging the "counterpart" to "carefully assess the situation." Full summary of technical briefing here: http://iaea.org/newscenter/news/tsunamiupdate01.html, relevant paragraph is the fourth paragraph under item #2, "Radiation Monitoring." Jen Schwartzman verified with Mark Shaffer that no formal announcement has come from IAEA in this regard.

- **Taiwan Conference Call.** PMT and RST are available for a 1200 EST one-time conference call with Taiwan, date TBD. The 1500-2300 EST shift on March 31 received a call from Taiwan POC (June-Yuan (JY) Huang (b)(6) He said Danielle Emche had offered the conference call (and Danielle's suggestion stems from DOS push). He doesn't see a need for an immediate conference call. He will call again to set up a date. He would like the conference call to start with a briefing on the technical status at Fukushima and then he will ask questions. **Action:** Be aware that Mr. Huang will be calling back to set up a specific date. After he calls with a date please notify/confirm time and date with PMT and RST. Int'l liaison should sit in on the call.

- **Deputies Committee Decisions and Action Items:** SECY has been sending summaries of the Deputies Committee meetings as they are received and the LT Director/Coordinator have been tracking any actions pertinent to the LT. There are currently no international liaison tasks resulting from these meetings but the LT Director will inform us if this changes. **Action:** Mark Shaffer would like to see the summaries. We sent him everything we had already received but he would need future summaries beginning with the March 30 meeting. Summaries received on 4/4 were sent. (no additional summaries issued since 4/4)

- **Translators.** 24/7 translation coverage in the HOC has been suspended. Kirk Foggie confirmed that there is only one known NRC employee that speaks Japanese (at the moment) but there is a Japanese foreign assignee and other options available. Also, Tony Nakanishi may be available to provide translation assistance. USAID is paying for an NRC-dedicated translator in Tokyo. If we need items translated and cannot get assistance from within NRC, we can rely on them. **Action:** If in need of USAID translation support, fax the document to +81-3-3224-5538 and send a scanned (PDF) copy to the Japan site team as a backup.

- **INPO:** All equipment requests are now going through INPO. They are consolidating all available information. Contact information for INPO is 770-644-8118 or email at inpoercassistance@inpo.org.

- **NRC Health Unit request:** The NRC team members were given KI before they left. At this time the guidance is to not take the KI while on duty in Tokyo. However, due to the still-fluid nature of the environmental hazards posed by radioactive isotopes, there still exists a possibility that KI could be required at some point. Should it become necessary to have the NRC team take the KI, the LIA02/LIA03 international liaisons would be responsible for receiving the advice from ADM/Dr. Cadoux and to get the information to the team immediately.

- **Request for meteorological data.** PMT notified LIA02/03 of their need for meteorological data. **Action:** If you receive meteorological communications which do not already have PMT on distribution, please ensure PMT is cc'ed on the email (send to PMT02 and PMT12) and walk a hard copy back to the meteorologists.

- **Japan Relief Team Dosimetry.** LIA03 sent an email to LiasonJapan (original team) asking for them to email back their dosimetry numbers. All of original team except Casto have returned, so his should be only number missing, if any.

- **Daily calls with UK/France/Canada.** Calls will take place at 0930 with RST and PMT to discuss reactor-related and radiation-related information, respectively, with regulatory representatives from these three countries. Everyone should call into the HOO to be connected. Finland and the IAEA may also participate on an intermittent basis. **The new number to call into is** (b)(6) **and the pin is** (b)(6) **NOTE: There is no call on the weekends.**

- **Daily NRC Japan Team – RST/PMT Call.** The time of the call varies. As of 4/5 it was **2100** with RST and PMT have been notified of the call and international liaison should plan on participating (OIP staff in Japan don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)

- **Laptop shuffling in Japan.** Some laptops (the blue-top ones) still have difficulty printing so the ground team has requested the assistance of CSC in "re-assigning" the laptops that work well to the members of the 3rd team (since the 2nd team members leave Japan in the next day or two). No action for OIP but we may be requested to assist if there are any difficulties. We should also note that if future teams go to Japan, they should take non-blue-top or personal laptops to make it easier to connect to the Embassy printer.

- **Update Japan Traveler Information Document on LIA03 with Return Team info** – Per request from LT Director please update the traveler table as NRC Japan Travel Team members return to U.S. **ACTION:** Await reply emails from returned travelers and update the Document on LIA03.

- **Announcement of French nuclear safety meeting in May:** Reuters is reporting that Sarkozy has announced plans for a high-level meeting of "G20 nuclear industry officials" in Paris in May 2011 "to define international nuclear safety standards." The article states that Sarkozy "declared this [meeting] would lay the groundwork for the IAEA high-level meeting on June 20-24. We are seeking additional information on this announcement from official channels. Message sent to Eric at 0400 inquiring whether he has heard anything via his French contacts (noting that ASN will be meeting with the NRC Team in the next day or two). Report any new information learned to OIP management and ET. The policy to delay meeting will be articulated by DOS high level representatives at a G-20 meeting in Abu Dhabi the week of April 4. The French announced their intent to convene this meeting, and stated that the Japanese Prime Minister is supportive. **Action:** OIP will continue to interact with interagency as appropriate and update ET.

DAILY ACTIONS/REMINDERS

- International updates must be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- The 3-12 PM shift should try and work on the one pager and the 7 AM – 3 PM should finalize and send to Margie. Please include information from email from Danielle and Eric. Margie reminds us that the write-up should not contain technical details, which are already captured in other reports, and should be marked "Official Use Only – Foreign Government Information."
- Both shifts are responsible for sending all emails to the FOIA email address. Open new email, copy previous day's emails as an attachment and send to FOIA Response.hoc@nrc.gov. Also it would be helpful to mark the red flag on the right to show which emails were sent.
- The international team should sit in on calls with the ET and team leader (Chuck or Dan) to take notes and provide a short summary of what was discussed via email to OIP reps on Japan Team. The Chairman's briefing has been moved to 0800 while he is in Vienna, April 4-6, and will involve a three way call with Casto, ET, and Chairman. [Japan 13 hours ahead, Vienna 6 hours ahead]
- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have an international call.
- Reminder to Keep Mark Shaffer in-the-loop at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.
- Request from RST and PMT to keep them updated on who is currently in Japan on NRC team.
- Please make sure to keep the NRC Japan travelers list updated (check the last updated date) and post a new copy on LIA02 cabinet as changes occur.
- OIP (Int'l Liaison Watch) has been tasked with providing IAEA ENAC daily summary to Commissioner's TAs and EDO POC. OIP is also being asked to place a cover page on this report indicating the sensitivity of the information. IAEA has been asked to include a statement on each page of the ENAC summary report and cover page indicating sensitive of the information. The document will be provided by email

From: Bloom, Steven
Sent: Wednesday, April 06, 2011 7:10 AM
To: RST08 Hoc; RST01 Hoc; Hoc, RST16
Subject: FW: Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

Do we know any information about the use of the barges.

Steve

From: Abrams, Charlotte
Sent: Tuesday, April 05, 2011 4:16 PM
To: Bloom, Steven
Subject: FW: Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

Steve – I received this and forwarded it to the International Liaison in the LT, but if you know answers to these questions, could you coordinate with the OIP person on duty.

From: FIGUET Jacques [mailto:jacques.figuet@diplomatie.gouv.fr]
Sent: Tuesday, April 05, 2011 1:42 PM
To: Abrams, Charlotte
Subject: TR: Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

Hi Charlotte,
Eric suggested that I get in touch with you if I had any question during his absence.
I know that INL is coordinating the DOE national labs analysis of the accident. Is it a joint team with the NRC experts (who have different backgrounds) or do DOE and NRC teams work with different goals and in this case, which ones respectly?
We also wonder whether the use of a barge for storing contaminated water is still considered as we noticed that the Japan NSC allowed yesterday to empty an important volume of low level water in the sea? have you any information about it?
Thank you for all information, you could provide.
Regards,
Jacques

Jacques FIGUET
Counselor for Nuclear Affairs
Embassy of France
4101 Reservoir rd NW
Washington DC 20007
tel 202 944 6370
(b)(6)

De : Stahl, Eric [mailto:Eric.Stahl@nrc.gov]
Envoyé : vendredi 25 mars 2011 20:49
À : FIGUET Jacques
Objet : Out of Office: Alternative NRC Points-of-Contact for March 28-April 12

I am currently out of the office and will be periodically checking my email. If you need immediate assistance, please contact the NRC Office of International Program's front desk (301-415-1780). I'm sorry for any inconvenience.

For inquiries concerning the NRC response to the current situation in Japan, please contact the International Liaison Desk in the NRC's Headquarters Operations Center at LIA02.hoc@nrc.gov or LIA03@hoc.nrc.gov or +1-301-826-5100.

UUUU/41

For questions concerning the NRC's Uranium Recovery Workshop, please contact Ms. Charlotte Abrams (301-415-2933 or charlotte.abrams@nrc.gov) or Emily Larson (301-415-2336 or emily.larson@nrc.gov).

Thank you for your patience.

Eric Stahl
Office of International Programs
eric.stahl@nrc.gov
+1 301-415-0246

(b)(6)

From: RMTPACTSU_ELNRC <RMTPACTSU_ELNRC@ofda.gov>
Sent: Wednesday, April 06, 2011 2:44 PM
To: inpoercassistance@inpo.org
Cc: LIA01 Hoc; LIA11 Hoc; LIA02 Hoc; LIA03 Hoc; RMTPACTSU_ELC; RMTPACTSU_ELNRC
Subject: action -- FW: Potential Solution to Japan Nuclear Reactor Overflow

Please refer to the email string below for an offer of support for your review/evaluation. Thanks in advance for your help!

-----Original Message-----
From: RMTPACTSU_ELC
Sent: Wednesday, April 06, 2011 1:37 PM
To: RMTPACTSU_ELNRC
Subject: FW: Potential Solution to Japan Nuclear Reactor Overflow

An offer for your consideration. Please let me know your thoughts.

Thanks,
Rhonda

-----Original Message-----
From: Cook, Bette (DCHA/AA) [mailto:bcook@usaid.gov]
Sent: Wednesday, April 06, 2011 11:56 AM
To: RMTPACTSU_ELNRC; RMTPACTSU_ELC
Subject: FW: Potential Solution to Japan Nuclear Reactor Overflow

Please take a look at the e-mail below, referred to us by Tony Eberhard (Senator John Hoeven), concerning an offer by John Simmons, Chairman of Thermo-Technologies Company, that has the "technology, product and equipment available ... to solidify the contaminated water" from the nuclear reactors in Japan. Would you like to run this offer by the NRC or DART, or should we give the standard "GOJ has not requested response"? Thanks.

Bette

-----Original Message-----
From: Pederson, Erik D
Sent: Wednesday, April 06, 2011 11:26 AM
To: Eberhard, Tony (Hoeven)
Cc: Larson, Don (Hoeven); Cook, Bette (DCHA/AA)
Subject: RE: Potential Solution to Japan Nuclear Reactor Overflow

Tony,

Bette Cook (cc ed here) is the appropriate contact for this at USAID.
She will be in contact with you on this.

Erik Pederson
(202) 647-2233

UUUU/42

This email is UNCLASSIFIED

-----Original Message-----
From: Eberhard, Tony (Hoeven) [mailto:Tony_Eberhard@hoeven.senate.gov]
Sent: Wednesday, April 06, 2011 9:32 AM
To: Pederson, Erik D
Cc: Larson, Don (Hoeven)
Subject: Potential Solution to Japan Nuclear Reactor Overflow

Erik,

To the extent that the State Department is working with the Japanese to resolve their nuclear energy problems, I want to bring your attention to a ND technology that could offer a solution. Below is information regarding this technology.

Thank you,
Tony

Tony Eberhard
Legislative Director
U.S. Senator John Hoeven
202-224-2551

Today's Wall Street Journal reports that radioactive water in Japan's Fukushima Daiichi Nuclear Reactor Nos. 2 and 3 were rising to a level that may soon overflow into the sea. Tepco reports that they plan to build temporary water storage tanks to prevent the contaminated water from spilling into the sea.

Our Thermo-Technologies Company has the technology, product and equipment available that would allow Tepco a method to solidify the contaminated water so that it could be pumped into a separate building or placed into a stockpile until it could be treated. They estimate that they would need to build tank capacity tank capacity of 6000 tons or about 1,500,000 gallons. We have our Thermo-Gel 200L and 500P polymers (enviromentally friendly, USFS approved water gelling
chemicals) available in our warehouses in Ontario, California and Bismarck ND that could be airlifted immediatley by Evergreen Aviation's
747 from LAX to Japan. We have the necessary Fire Dos injection units that would be used to dose or meter the Thermo-Gel into the pipeline as it is being pumped into the storage containment area. At the rate of
1000 gal/minute or more, this could be completed in a short period of
time. We have in the past used Thermo-Gel during floods to remove
water from flooded buildings. We add sufficient Thermo-Gel to the water to form a solidified water that can either be pumped as a very thick solution or an even super thick gelled product that can be removed with and placed in a pile with a front end loader.

We have a team of experienced red carded fire , Greg Smith's All Terrain Team, based in California, that could be mobilized, immediately with their equipment, on the above mentioned 747. Greg's Team is often called out for major flood emergencies.

If this proposal is of interest, I can be reached at any time : Cell:
(b)(6) or
johnsimmons@thermo-gel.com<mailto:johnsimmons@thermo-gel.com>

Regards,
John Simmons, Chairman
Thermo-Technologies, LLC
Bismarck, ND

David Decker

From: David Decker
Sent: Friday, April 08, 2011 9:41 AM
To: Brian McDermott; Joseph Anderson; Lisa Gibney; Patricia Milligan; Mark Thaggard
Cc: Amy Powell; Rebecca Schmidt
Subject: RE: New Request for Emergency Planning Briefing

Brian and Trish,
The committee staff says that 2pm in Senate Office Building Dirksen-406 would work well for them. I'll send along any advance questions or areas of interest that the staffers provide. Let's plan to meet at the OWFN "lobby" area (such as it is) at 12:45pm on Monday, and we can walk over to the subway from there. Thanks again for supporting this briefing, the hill staffers really appreciate it.

David

From: McDermott, Brian
Sent: Thursday, April 07, 2011 5:46 PM
To: Decker, David; Anderson, Joseph; Wright, Lisa (Gibney); Milligan, Patricia; Thaggard, Mark
Cc: Powell, Amy; Schmidt, Rebecca
Subject: Re: New Request for Emergency Planning Briefing

David,

Trish Milligan and I will plan to support. Need meeting details.

Also, if they have any questions in advance, we will ensure they are addressed.

Thx,
Brian

Brian J. McDermott
(b)(6) (mobile)

From: Decker, David
To: Anderson, Joseph; McDermott, Brian; Wright, Lisa (Gibney); Milligan, Patricia; Thaggard, Mark
Cc: Powell, Amy; Schmidt, Rebecca
Sent: Thu Apr 07 15:50:42 2011
Subject: RE: New Request for Emergency Planning Briefing

For this briefing, I think we should focus on what the NRC does, and stick to what they've asked us for. If they have questions about what FEMA's role is, we can provide general info on that.

From: Anderson, Joseph
Sent: Thursday, April 07, 2011 3:43 PM
To: McDermott, Brian; Decker, David; Wright, Lisa (Gibney); Milligan, Patricia; Thaggard, Mark
Cc: Powell, Amy; Schmidt, Rebecca
Subject: Re: New Request for Emergency Planning Briefing

Brian - Do you plan to involve FEMA to ensure off site perspective represented?

From: McDermott, Brian
To: Decker, David; Wright, Lisa (Gibney); Anderson, Joseph; Milligan, Patricia; Thaggard, Mark
Cc: Powell, Amy; Schmidt, Rebecca
Sent: Thu Apr 07 15:38:27 2011
Subject: RE: New Request for Emergency Planning Briefing

Got it. Let me work with the team to check availability.

I'll get back with you shortly.

From: Decker, David
Sent: Thursday, April 07, 2011 3:35 PM
To: McDermott, Brian; Wright, Lisa (Gibney); Anderson, Joseph; Milligan, Patricia; Thaggard, Mark
Cc: Powell, Amy; Schmidt, Rebecca
Subject: New Request for Emergency Planning Briefing

We just got a phone call from staff on our Senate oversight committee (Committee on the Environment and Public Works - EPW) asking for a briefing next Monday (4/11) afternoon for staffers of members of the committee on how the NRC does emergency planning. I know this is an extremely fast turnaround, but could we do such a briefing?

Details
This could be up to 15-20 staffers, and would be to prepare the staffers for a hearing next Tuesday (4/12) where the NRC will be a witness. The EPW hearing is called "Review of the Nuclear Emergency in Japan and Implications for the US".

The staffers to be briefed do not know much at all about this topic, so what would be useful for them would be a "big-picture" presentation of how the NRC does emergency planning and response, and have some time for them to ask some basic questions. I was told that about an hour would be good, and if we did have slides to keep them limited. This would not be a "get-into-the-weeds" briefing so we wouldn't need a lot of people to support it, I wouldn't think.

From:	LIA02 Hoc
Sent:	Friday, April 08, 2011 2:56 PM
To:	LIA02 Hoc; Doane, Margaret; Mamish, Nader
Cc:	Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; Owens, Janice; Fehst, Geraldine; Foggie, Kirk; Breskovic, Clarence; LIA08 Hoc; LIA06 Hoc
Subject:	RE: OUO- Transition Report April 8, 0630 - 1500

Subject: OUO- Transition Report April 8, 0630 - 1500

Transition report for April 8, 0630 to 1500
Lance to Gerri

Updates during Shift

- **Fourth Team to Japan.** The first member, Brian Wittick, for the next team has been identified. Support will be needed. Currently USAID will be the funding source.

- **Coordination of IAEA and U.S. Efforts.** While the IAEA's Incident and Emergency Centre (IEC) has not agreed to be a formal "clearinghouse" (i.e., actively reaching out to all IAEA member states requesting that all assistance efforts be coordinated through the IEC), they are tracking all offers for assistance via a database that was posted on ENAC last week. For the effort to be effective, they need input from countries, and they do not have anything from the United States. It was our initial understanding that DoD (Navy) is taking a logistical leadership role in coordinating equipment-provision efforts for the USG. However, INPO has taken the lead on equipment issues although the State Department had taken a lead role in the "Consortium." US Embassy Tokyo had established a tracking system to compile assistance requests from the Japanese and offers from USG entities. INPO had been separately tracking equipment requests (see INPO item below). The Embassy and INPO tracking have been merged. On April 5, LT received the latest equipment request matrices from USAID, originated by the Tokyo embassy. OMB indicated to LT on April 5th conference call that they intend to start approving all finances for equipment purchases for Japan.

- **Air Cards.** UPDATE: The international service on Verizon air cards (all the air cards - 4 Verizon AC's & 8 ATT AC's) was turned off on April 7, 2011 at about 3PM EST. Received request from Danielle to have air cards deactivated due to malfunctioning and potential losses. Requested clarification of which were missing and which desired to be deactivated. Notified Joe Turner of OIS. Action: Email send 4/7 to follow up on status.

- **Mailbox size limits.** Team requested verification that mailboxes had size limits increased due to difficulties sending emails. Notified Joe Turner in OIS. Action: Email send 4/7 to follow up on status.

- **Plant Status Updates.** James Whitney, NSIR has requested that all of the "Plant Status" news releases on ENAC be sent to him to assist other government agencies in their analysis of the situation. **Action:** Send james.whitney@nrc.gov "plant status updates" on ENAC as they come in (sent on day shift on 4/8).

44

- **TEPCO Earthquake Info.** Vince Holahan, the NRC staff member embedded with PACCOM, has requested to be on the distribution list for the Japanese earthquake info sent from TEPCO. **ACTION:** Please forward these emails to him as they are received. Forwarded the 1800 report to V. Holahan and had his email .

- **Request to Share RST Document with Foreign Governments:** The Governments of Canada, the UK and Finland have requested that the RST share their "Stability Document," which they have discussed during their daily call with these governments. The request has been forwarded on to the ET, who is assessing what information is contained in the document before deciding on whether or not to share the document
  The document is still in draft (awaiting interagency comments). PMT was given permission to read the draft document to conference call members. Release of this document will be addressed as part of the process being developed to address the release of a document to NY Times. **ACTION:** Continue to follow. **UPDATE:** Mark Shaffer requests a copy of the RST Stability Document. The document was released to Mark and he was instructed not to release it to any other organization and that it was for his use only.

- **Government Shutdown** – NRC Japan Team wants to know what will happen if the USG shuts down. This decision has yet to be made by the Chairman and EDO. Indications that the NRC has funding to continue at least one week after USG shutdown. **ACTION:** If the USG does shut down, please make sure to inform the NRC Japan team right away and try to find out as much information for them as possible.

- **1 Pager for Margie's Morning Meeting** – Danielle requested that the draft be sent to her so she could add to it overnight. She will send back any updates via email. **ACTION:** Work off of the draft sent back from Danielle. If she doesn't send back any updates overnight, then work off of the draft completed.

Future Actions/OPEN ITEMS

- **News Reports on IAEA "Recommendation" to Extend Evacuation Zone:** News media is reporting that the IAEA has called on Japan to extend the evacuation zone around Fukushima, based on abnormal levels of radiation detected in a village outside the current evacuation zone. This was neither a special announcement nor a formal recommendation from the IAEA. Instead, the reports result from information provided at the March 30 IAEA technical briefing, at which DDG Denis Flory reported on the location of the abnormal radiation levels and noted that they were located outside the evacuation zone. When asked a direct question about whether the IAEA was recommending that Japan extend the zone, DDG Flory stated only that the IAEA was encouraging the "counterpart" to "carefully assess the situation." Full summary of technical briefing here: http://iaea.org/newscenter/news/tsunamiupdate01.html, relevant paragraph is the fourth paragraph under item #2, "Radiation Monitoring." Jen Schwartzman verified with Mark Shaffer that no formal announcement has come from IAEA in this regard.

- **Deputies Committee Decisions and Action Items:** SECY has been sending summaries of the Deputies Committee meetings as they are received and the LT Director/Coordinator have been tracking any actions pertinent to the LT. There are currently no international liaison tasks resulting from these meetings but the LT Director will inform us if this changes. **Action:** Mark Shaffer would like to see the summaries. . Summaries received on 4/7 were sent.

- **Translators.** 24/7 translation coverage in the HOC has been suspended. Kirk Foggie confirmed that there is only one known NRC employee that speaks Japanese (at the moment) but there is a Japanese foreign assignee and other options available. Also, Tony Nakanishi may be available to provide translation assistance. USAID is paying for an NRC-dedicated translator in Tokyo. If we need items translated and cannot get assistance from within NRC, we can rely on them. **Action:** If in need of USAID translation support, fax the document to +81-3-3224-5538 and send a scanned (PDF) copy to the Japan site team as a backup.

- **INPO:** All equipment requests are now going through INPO. They are consolidating all available information. Contact information for INPO is 770-644-8118 or email at inpoercassistance@inpo.org.

- **NRC Health Unit request:** The NRC team members were given KI before they left. At this time the guidance is to not take the KI while on duty in Tokyo. However, due to the still-fluid nature of the environmental hazards posed by radioactive isotopes, there still exists a possibility that KI could be required at some point. Should it become necessary to have the NRC team take the KI, the LIA02/LIA03 international liaisons would be responsible for receiving the advice from ADM/Dr. Cadoux and to get the information to the team immediately.

- **Daily calls with UK/France/Canada.** Calls will take place at 0930 with RST and PMT to discuss reactor-related and radiation-related information, respectively, with regulatory representatives from these three countries. Everyone should call into the HOO to be connected. Finland and the IAEA may also participate on an intermittent basis. **The new number to call into is** (b)(6) **and the pin is** (b)(6) **NOTE: There is no call on the weekends.**

- **Daily NRC Japan Team – RST/PMT Call.** The time of the call varies. As of 4/5 it was **2100** with RST and PMT have been notified of the call and international liaison should plan on participating (OIP staff in Japan don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)

    - **Laptop shuffling in Japan.** Some laptops (the blue-top ones) still have difficulty printing so the ground team has requested the assistance of CSC in "re-assigning" the laptops that work well to the members of the 3rd team (since the 2nd team members leave Japan in the next day or two). No action for OIP but we may be requested to assist if there are any difficulties. We should also note that if future teams go to Japan, they should take non-blue-top or personal laptops to make it easier to connect to the Embassy printer.

- **Update Japan Traveler Information Document on LIA03 with Return Team info** – Per request from LT Director please update the traveler table as NRC Japan Travel Team members return to U.S. **ACTION:** Await reply emails from returned travelers and update the Document on LIA03.

- **Announcement of French nuclear safety meeting in May:** Reuters is reporting that Sarkozy has announced plans for a high-level meeting of "G20 nuclear industry officials" in Paris in May 2011 "to define international nuclear safety standards." The article states that Sarkozy "declared this [meeting] would lay the groundwork for the IAEA high-level meeting on June 20-24. We are seeking additional information on this announcement from official channels. Message sent to Eric at 0400 inquiring whether he has heard anything via his French contacts (noting that ASN will be meeting with the NRC Team in the next day or two). Report any new information learned to OIP management and ET. The policy to delay meeting will be articulated by DOS high level representatives at a G-20 meeting in Abu Dhabi the week of April 4. The French announced their intent to convene this meeting, and stated that the Japanese Prime Minister is supportive. **Action:** OIP will continue to interact with interagency as appropriate and update ET.

DAILY ACTIONS/REMINDERS

- International updates must be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- The 3-12 PM shift should try and work on the one pager and the 7 AM – 3 PM should finalize and send to Margie. Please include information from email from Danielle and Eric. Margie reminds us that the write-up should not contain technical details, which are already captured in other reports, and should be marked "Official Use Only – Foreign Government Information."
- Both shifts are responsible for sending all emails to the FOIA email address. Open new email, copy previous day's emails as an attachment and send to FOIA Response.hoc@nrc.gov. Also it would be helpful to mark the red flag on the right to show which emails were sent.
- The international team should sit in on calls with the ET and team leader (Chuck or Dan) to take notes and provide a short summary of what was discussed via email to OIP reps on Japan Team. The Chairman's briefing has been

moved to 0800 while he is in Vienna, April 4-6, and will involve a three way call with Casto, ET, and Chairman. [Japan 13 hours ahead, Vienna 6 hours ahead]

- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have an international call.
- Reminder to Keep Mark Shaffer in-the-loop at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.
- Request from RST and PMT to keep them updated on who is currently in Japan on NRC team.
- Please make sure to keep the NRC Japan travelers list updated (check the last updated date) and post a new copy on LIA02 cabinet as changes occur.
- OIP has been tasked with providing IAEA ENAC daily summary to Commissioner's TAs and EDO POC. OIP is also being asked to place a cover page on this report indicating the sensitivity of the information. The document will be provided by email.

David Decker

From: Droggitis, Spiros
Sent: Friday, April 08, 2011 11:26 AM
To: Powell, Amy; Decker, David; Riley (OCA), Timothy
Subject: FW: DNDO News 4/8/2011
Attachments: DNDO NEWS 4-8-11.htm

From: Bolling, Lloyd [mailto:Lloyd.Bolling@dhs.gov]
Sent: Friday, April 08, 2011 9:35 AM
To: Layton, Michael; Reis, Terrence; Jones, Cynthia; Wastler, Sandra; Jackson, Gerard
Cc: Droggitis, Spiros; Dembek, Stephen; Owens, Janice; Breskovic, Clarence; Casey, Timothy
Subject: DNDO News 4/8/2011

Attached is the DNDO News for Friday, April 08, 2011.

Summary of news items:

1. Coping with economic and human consequences of Fukushima.
2. The European Parliament expresses concern over Taliban infiltration of Pakistan's governmental structures.
3. How would a shutdown affect DHS?

SPECIAL NOTE** - DNDO's Joint Analysis Center is preparing for a possible government-wide shutdown. A limited number of Federal employees were selected to remain on 24/7 watch status to adjudication radiation detection alarms and to respond to other State and Local issues.

Lloyd Bolling, NRC Liaison
Operations Support Directorate
Domestic Nuclear Detection Office
Department of Homeland Security
Phone: 202-254-7123
Blackberry: (b)(6)
Fax: 202-254-7752
Lloyd.Bolling@dhs.gov

0000 | 45

From: RST01 Hoc
Sent: Saturday, April 09, 2011 5:30 PM
To: RST03 Hoc
Subject: FW: 3 - 6 Month Plans
Attachments: image001.jpg; 3-6 months plans110406.pdf

Per your request.

Kerri
RST Coordinator

From: Versluis, Rob [mailto:ROB.VERSLUIS@nuclear.energy.gov]
Sent: Saturday, April 09, 2011 4:30 PM
To: RST01 Hoc; RST07 Hoc
Cc: Versluis, Rob
Subject: FW: 3 - 6 Month Plans

Rob Versluis, PhD, DOE NE-71, 301-903-1890 (o) (b)(6) *(m)*
****

From: Versluis, Rob
Sent: Thursday, April 07, 2011 9:20 AM
To: Larzelere, Alex
Cc: Kelly, John E (NE); Caponiti, Alice; Versluis, Rob
Subject: FW: 3 - 6 Month Plans

Brian Sheron wants to know if this can be shared with NR. My guess is yes, but I will let you be the judge.

Rob Versluis, PhD, DOE NE-71, 301-903-1890 (o) (b)(6) *(m)*
****

From: RST01B Hoc [mailto:RST01B.Hoc@nrc.gov]
Sent: Thursday, April 07, 2011 9:18 AM
To: Versluis, Rob
Subject: FW: 3 - 6 Month Plans

Rob Versluis, PhD, DOE NE-71, 301-903-1890 (o) (b)(6) *(m)*
****

From: RST01 Hoc
Sent: Thursday, April 07, 2011 8:49 AM
To: RST01B Hoc
Subject: FW: 3 - 6 Month Plans

UUUU/46

Bob,
Wanted to make sure you saw this. Pls note the sensitivity to distribution! Can you find out if we can share with Naval Reactors?

From: Sheron, Brian
Sent: Thursday, April 07, 2011 7:43 AM
To: ET01 Hoc; RST01 Hoc; PMT01 Hoc; Weber, Michael; Virgilio, Martin
Subject: FW: 3 - 6 Month Plans

FYI, in case you hadn't seen this. Alex sent a follow-up e-mail indicating it was sensitive information that should not be distributed.

From: Larzelere, Alex [mailto:alex.larzelere@nuclear.energy.gov]
Sent: Wednesday, April 06, 2011 8:07 PM
To: DL-NITsolutions
Subject: 3 - 6 Month Plans

Everyone,

Another document – this one contains the Japanese plans to resolve the Fukushima reactor situation over the short, mid, and long term. This will also be a topic of discussion for the call.

Regards,

Alex

Alex R. Larzelere
Director, Advanced Modeling and Simulation Office
Office of Nuclear Energy (NE-71)
U.S. Department of Energy
202-586-1906
Alex.Larzelere@nuclear.energy.gov

AMSO
ADVANCED MODELING & SIMULATION OFFICE

From:	LIA02 Hoc
Sent:	Saturday, April 09, 2011 12:03 AM
To:	Mamish, Nader; Doane, Margaret; LIA02 Hoc
Cc:	Abrams, Charlotte; Wittick, Brian; Afshar-Tous, Mugeh; 'ShafferMR@state.gov'; Bloom, Steven; Schwartzman, Jennifer; Tobin, Jennifer; Mayros, Lauren; Jones, Andrea; English, Lance; Smiroldo, Elizabeth; Young, Francis; Henderson, Karen; Ramsey, Jack; Shepherd, Jill; Baker, Stephen; Emche, Danielle; Fragoyannis, Nancy; LIA03 Hoc; Stahl, Eric; Owens, Janice; Fehst, Geraldine; Foggie, Kirk; Breskovic, Clarence; LIA08 Hoc; LIA06 Hoc
Subject:	OUO: Transition Report 1500-1400

Transition report for April 8, 1500 - 2400
Gerri to Mugeh in a.m.

Updates during Shift

- **Marie Miller** was scheduled to return from Japan on April 7 and asked that her name be removed from the #2 Relief Team e-mail group. Action completed by ET02 at 10:30 pm EDT.

- **Fourth Team to Japan.** The first member, Brian Wittick, for the next team has been identified. Support will be needed. Currently USAID will be the funding source.

- **Coordination of IAEA and U.S. Efforts.** While the IAEA's Incident and Emergency Centre (IEC) has not agreed to be a formal "clearinghouse" (i.e., actively reaching out to all IAEA member states requesting that all assistance efforts be coordinated through the IEC), they are tracking all offers for assistance via a database that was posted on ENAC last week. For the effort to be effective, they need input from countries, and they do not have anything from the United States. It was our initial understanding that DoD (Navy) is taking a logistical leadership role in coordinating equipment-provision efforts for the USG. However, INPO has taken the lead on equipment issues although the State Department had taken a lead role in the "Consortium." US Embassy Tokyo had established a tracking system to compile assistance requests from the Japanese and offers from USG entities. INPO had been separately tracking equipment requests (see INPO item below). The Embassy and INPO tracking have been merged. On April 5, LT received the latest equipment request matrices from USAID, originated by the Tokyo embassy. OMB indicated to LT on April 5th conference call that they intend to start approving all finances for equipment purchases for Japan.

- **Air Cards.** UPDATE: The international service on Verizon air cards (all the air cards - 4 Verizon AC's & 8 ATT AC's) was turned off on April 7, 2011 at about 3PM EST. Received request from Danielle to have air cards deactivated due to malfunctioning and potential losses. Requested clarification of which were missing and which desired to be deactivated. Notified Joe Turner of OIS. Action: Email send 4/7 to follow up on status.

- **Mailbox size limits.** Team requested verification that mailboxes had size limits increased due to difficulties sending emails. Notified Joe Turner in OIS. Action: Email send 4/7 to follow up on status.

- **Plant Status Updates.** James Whitney, NSIR has requested that all of the "Plant Status" news releases on ENAC be sent to him to assist other government agencies in their analysis of the situation. **Action:** Send james.whitney@nrc.gov "plant status updates" on ENAC as they come in (sent on day shift on 4/8).

UUUU/47

- **TEPCO Earthquake Info.** Vince Holahan, the NRC staff member embedded with PACCOM, has requested to be on the distribution list for the Japanese earthquake info sent from TEPCO. **ACTION:** Please forward these emails to him as they are received. Forwarded the 1800 report to V. Holahan and had his email .

- **Request to Share RST Document with Foreign Governments:** The Governments of Canada, the UK and Finland have requested that the RST share their "Stability Document," which they have discussed during their daily call with these governments. The request has been forwarded on to the ET, who is assessing what information is contained in the document before deciding on whether or not to share the document
  The document is still in draft (awaiting interagency comments). PMT was given permission to read the draft document to conference call members. Release of this document will be addressed as part of the process being developed to address the release of a document to NY Times. **ACTION:** Continue to follow. **UPDATE**: Mark Shaffer requests a copy of the RST Stability Document. The document was released to Mark and he was instructed not to release it to any other organization and that it was for his use only.

- **Government Shutdown** – NRC Japan Team wants to know what will happen if the USG shuts down. This decision has yet to be made by the Chairman and EDO. Indications that the NRC has funding to continue at least one week after USG shutdown. **ACTION**: If the USG does shut down, please make sure to inform the NRC Japan team right away and try to find out as much information for them as possible.

- **1 Pager for Margie's Morning Meeting –** Danielle requested that the draft be sent to her so she could add to it overnight. She will send back any updates via email. **ACTION:** Work off of the draft sent back from Danielle. If she doesn't send back any updates overnight, then work off of the draft completed.

Future Actions/OPEN ITEMS

- **News Reports on IAEA "Recommendation" to Extend Evacuation Zone:** News media is reporting that the IAEA has called on Japan to extend the evacuation zone around Fukushima, based on abnormal levels of radiation detected in a village outside the current evacuation zone. This was neither a special announcement nor a formal recommendation from the IAEA. Instead, the reports result from information provided at the March 30 IAEA technical briefing, at which DDG Denis Flory reported on the location of the abnormal radiation levels and noted that they were located outside the evacuation zone. When asked a direct question about whether the IAEA was recommending that Japan extend the zone, DDG Flory stated only that the IAEA was encouraging the "counterpart" to "carefully assess the situation." Full summary of technical briefing here: http://iaea.org/newscenter/news/tsunamiupdate01.html, relevant paragraph is the fourth paragraph under item #2, "Radiation Monitoring." Jen Schwartzman verified with Mark Shaffer that no formal announcement has come from IAEA in this regard.

  - **Deputies Committee Decisions and Action Items:** SECY has been sending summaries of the Deputies Committee meetings as they are received and the LT Director/Coordinator have been tracking any actions pertinent to the LT. There are currently no international liaison tasks resulting from these meetings but the LT Director will inform us if this changes. **Action:** Mark Shaffer would like to see the summaries. . Summaries received on 4/7 were sent.

  - **Translators.** 24/7 translation coverage in the HOC has been suspended. Kirk Foggie confirmed that there is only one known NRC employee that speaks Japanese (at the moment) but there is a Japanese foreign assignee and other options available. Also, Tony Nakanishi may be available to provide translation assistance. USAID is paying for an NRC-dedicated translator in Tokyo. If we need items translated and cannot get assistance from within NRC, we can rely on them. **Action:** If in need of USAID translation support, fax the document to +81-3-3224-5538 and send a scanned (PDF) copy to the Japan site team as a backup.

  - **INPO:** All equipment requests are now going through INPO. They are consolidating all available information. Contact information for INPO is 770-644-8118 or email at inpoercassistance@inpo.org.

- **NRC Health Unit request:** The NRC team members were given KI before they left. At this time the guidance is to not take the KI while on duty in Tokyo. However, due to the still-fluid nature of the environmental hazards posed by radioactive isotopes, there still exists a possibility that KI could be required at some point. Should it become necessary to have the NRC team take the KI, the LIA02/LIA03 international liaisons would be responsible for receiving the advice from ADM/Dr. Cadoux and to get the information to the team immediately.

- **Daily calls with UK/France/Canada.** Calls will take place at 0930 with RST and PMT to discuss reactor-related and radiation-related information, respectively, with regulatory representatives from these three countries. Everyone should call into the HOO to be connected. Finland and the IAEA may also participate on an intermittent basis. **The new number to call into is** (b)(6) **and the pin is** (b)(6) **NOTE: There is no call on the weekends.**

  Daily NRC Japan Team – RST/PMT Call. The time of the call varies. As of 4/5 it was **2100** with RST and PMT have been notified of the call and international liaison should plan on participating (OIP staff in Japan don't necessarily participate). All parties should call into (b)(6) and use pass-code (b)(6)

  - **Laptop shuffling in Japan.** Some laptops (the blue-top ones) still have difficulty printing so the ground team has requested the assistance of CSC in "re-assigning" the laptops that work well to the members of the 3rd team (since the 2nd team members leave Japan in the next day or two). No action for OIP but we may be requested to assist if there are any difficulties. We should also note that if future teams go to Japan, they should take non-blue-top or personal laptops to make it easier to connect to the Embassy printer.

- **Update Japan Traveler Information Document on LIA03 with Return Team info** – Per request from LT Director please update the traveler table as NRC Japan Travel Team members return to U.S. **ACTION:** Await reply emails from returned travelers and update the Document on LIA03.

- **Announcement of French nuclear safety meeting in May:** Reuters is reporting that Sarkozy has announced plans for a high-level meeting of "G20 nuclear industry officials" in Paris in May 2011 "to define international nuclear safety standards." The article states that Sarkozy "declared this [meeting] would lay the groundwork for the IAEA high-level meeting on June 20-24. We are seeking additional information on this announcement from official channels. Message sent to Eric at 0400 inquiring whether he has heard anything via his French contacts (noting that ASN will be meeting with the NRC Team in the next day or two). Report any new information learned to OIP management and ET. The policy to delay meeting will be articulated by DOS high level representatives at a G-20 meeting in Abu Dhabi the week of April 4. The French announced their intent to convene this meeting, and stated that the Japanese Prime Minister is supportive. **Action:** OIP will continue to interact with interagency as appropriate and update ET.

DAILY ACTIONS/REMINDERS

- International updates must be sent to LIA07 (to be put in the HOO Status Update) before the end of every shift as well as posted on the LT status board (different than the LT Log).
- The 3-12 PM shift should try and work on the one pager and the 7 AM – 3 PM should finalize and send to Margie. Please include information from email from Danielle and Eric. Margie reminds us that the write-up should not contain technical details, which are already captured in other reports, and should be marked "Official Use Only – Foreign Government Information."
- Both shifts are responsible for sending all emails to the FOIA email address. Open new email, copy previous day's emails as an attachment and send to FOIA Response.hoc@nrc.gov. Also it would be helpful to mark the red flag on the right to show which emails were sent.
- The international team should sit in on calls with the ET and team leader (Chuck or Dan) to take notes and provide a short summary of what was discussed via email to OIP reps on Japan Team. The Chairman's briefing has been

moved to 0800 while he is in Vienna, April 4-6, and will involve a three way call with Casto, ET, and Chairman. [Japan 13 hours ahead, Vienna 6 hours ahead]

- Prior to any international call you set up, please make sure you contact the HOOs to let them know that you are going to have an international call.
- Reminder to Keep Mark Shaffer in-the-loop at shaffermr@state.gov, regardless of time of day, regardless of whether he is in the office or asleep. Especially cc Mark on all communication to IAEA.
- Request from RST and PMT to keep them updated on who is currently in Japan on NRC team.
- Please make sure to keep the NRC Japan travelers list updated (check the last updated date) and post a new copy on LIA02 cabinet as changes occur.
- OIP has been tasked with providing IAEA ENAC daily summary to Commissioner's TAs and EDO POC. OIP is also being asked to place a cover page on this report indicating the sensitivity of the information. The document will be provided by email.

From: RST06 Hoc
Sent: Sunday, April 10, 2011 11:40 AM
To: RST01 Hoc
Subject: Conclusion of Long Term Habitability Assessment

Send to: (b)(6) copies to Naval Reactors

Via phone call this morning with Cmdr. Reed, the Reactor Safety Team at NRC was requested to provide a copy of the referenced document to you.

We confirmed through Naval Reactors that this request should go through your line organization to Naval Reactors since they are the owners of the document.

Ed Hackett
RST Director, Day Shift, Sunday, April 10

UUUU/48

From: LIA02 Hoc
Sent: Sunday, April 10, 2011 9:54 PM
To: LIA08 Hoc; LIA03 Hoc; LIA10 Hoc
Subject: FW: Departure Date Change for Elmo Collins

-----Original Message-----
From: McKenna, Surin (DCHA/OFDA) [mailto:smckenna@ofda.gov]
Sent: Sunday, April 10, 2011 9:53 PM
To: Wittick, Brian; Stahl, Eric
Cc: Collins, Elmo; Emche, Danielle; LIA02 Hoc; BylandYX@state.gov; Brown, Courtney; Nakatsuma, Alfred
Subject: RE: Departure Date Change for Elmo Collins

Brian - Welcome to Japan.

There are conflicting dates on your departure. Your country clearance indicated Apr 23 as your departure date while your travel order has Apr 30 as the departure date. I am copying the RMT AC and our travel team in this email to verify your departure date.

For your information, USAID/DART takes the lead in coordinating all administrative support with the Embassy, including hotel reservation. As NRC's lodging cost is funded under the USAID/DART admin support, it is important that you funnel your request through the DART and not make the changes/requests directly with the vendor. In addition, there is a reconciling process on support workload count and accounting between USAID/DART and the various Embassy service providers, and hence it is important that any admin-related requests be made through the DART, with the exception of interpreter services which we have prior arrangement that the DART be copied on email request.

Your understanding and cooperation on the above is deeply appreciated.

Surin McKenna
Administrative Officer
Pacific Tsunami and Japan Earthquake DART USAID/DCHA/OFDA
Office: (81) (3) 3224 5016
SB: (b)(6)
Email: smckenna@ofda.gov

-----Original Message-----
From: Wittick, Brian [mailto:Brian.Wittick@nrc.gov]
Sent: Monday, April 11, 2011 9:59 AM
To: Stahl, Eric; McKenna, Surin (DCHA/OFDA)
Cc: Collins, Elmo; Emche, Danielle; LIA02 Hoc
Subject: RE: Departure Date Change for Elmo Collins

Surin,

When I checked in to the Okura last night they had me only booked thru 23 April. I had them change it to 30 April in accordance with my orders.

Thanks
Brian

-----Original Message-----
From: Stahl, Eric
Sent: Sunday, April 10, 2011 8:23 PM
To: 'smckenna@ofda.gov'
Cc: Wittick, Brian; Collins, Elmo; Emche, Danielle; LIA02 Hoc
Subject: Departure Date Change for Elmo Collins

Surin -

Elmo Collins would like to change his departure date to 14 April and add two nights at the Okura. He was originally scheduled to depart tomorrow (12 April). Do you need any information from any of us to facilitate this?

In addition, can you please re-send Elmo his eTravel login information?

Thanks for all of your help,
Eric

-----Original Message-----
From: Collins, Elmo
Sent: Sunday, April 10, 2011 5:14 PM
To: Stahl, Eric; Emche, Danielle
Cc: Casto, Chuck; Evans, Michele
Subject: My return

Danielle
Pls help me contact USAid- I need to change my return flight to 4/14 and extend my stay at Okura 2 addl nights

Also, I need help with remembering my USAid E-travel Logon info

Thanks

Elmo

From: Thorp, John
Sent: Monday, April 11, 2011 7:21 AM
To: RST01 Hoc
Cc: RST06 Hoc
Subject: RE: Timeline Actions

RST Director and Coordinator,

I've re-examined the time-line, and for the period of interest starting March 11 and ending this past weekend 3/10/2011, yes, this timeline can be considered final. We have added reference/source information for each entry on the timeline worksheets.

We will not be refining this much, if at all this week, unless some significant new piece of information comes in that warrants an update. My staff member assigned to this task, Dave Garmon, (b)(6) (b)(6) so if there are questions or discussion needed of the timeline, please contact me.

I recommend closure of the RST Tracker item for construction and delivery of the timeline.

John Thorp
Chief, Operating Experience Branch
NRR/DIRS/IOEB
301-415-8508

From: RST01 Hoc
Sent: Sunday, April 10, 2011 9:39 PM
To: Thorp, John
Cc: RST06 Hoc; RST01 Hoc
Subject: FW: Timeline Actions

John,

Please advise as to whether this document is final or not. If not final, please provide date of when the timeline will be complete. RST has a medium priority task (Record 4145) to send the completed timeline to the Japan Site Team.

Thanks

Kerri
RST Coordinator

From: RMTPACTSU_ELNRC [mailto:RMTPACTSU_ELNRC@ofda.gov]
Sent: Friday, April 08, 2011 4:40 PM
To: RST01 Hoc
Subject: FW: Timeline Actions

UUUU/50

From: Garmon, David [mailto:David.Garmon@nrc.gov]
Sent: Friday, April 08, 2011 3:34 PM
To: RMTPACTSU_ELNRC
Cc: Thorp, John
Subject: FW: Timeline Actions

Leigh,

Please find the attached.

Regards,
David Garmon

NRR/DIRS/IOEB
(301) 415-3512
Office: O-7C20
Mail Stop OWFN-7C02A

From: Hoc, RST16
Sent: Thursday, April 07, 2011 11:25 PM
To: Garmon, David
Cc: RST01 Hoc; Hoc, RST16
Subject: Timeline Actions

Dave,

On Friday when you're done, please send a copy of the updated (with our source information) timeline to Leigh Trocine at her U.S. AID e-mail address:

I will drop a copy of the INPO timeline and a SFP timeline by your cube before I leave tonight. Please take a look and see if there is anything important we should add.

Thanks,

John

From: LIA02 Hoc
Sent: Monday, April 11, 2011 7:16 AM
To: LIA08 Hoc; LIA03 Hoc; LIA10 Hoc
Subject: FW: Official notice (11/04/2011) Documents of the briefing
Attachments: document 1-5.tif; document 6.pdf; document 7-11.tif

From: Hinds, Lynda J [mailto:HindsLJ@state.gov] **On Behalf Of** Tokyo Staff Assistant
Sent: Monday, April 11, 2011 7:12 AM
To: (b)(6)

(b)(6)

Subject: FW: Official notice (11/04/2011) Documents of the briefing

Lynda Hinds
Staff Assistant
(03) 3224- 5370

From: PROTOCOLOFFICE-EM [mailto:protocoloffice-em@mofa.go.jp]
Sent: Monday, April 11, 2011 8:02 PM
To: PROTOCOLOFFICE-EM
Subject: Official notice (11/04/2011) Documents of the briefing

—Urgent—

Official Notice
(11 April 2011)

To All Missions (Embassies, Consular posts and International Organizations in Japan)

UUUU/51

The Ministr y of Foreign Affairs has the honour to send for the perusal of Missions, documents which were distributed at the briefing on 11th April, 2011 at 16:00 for your reference. The tentative English translation of the announcement of Mr. Yukio Edano, chief cabinet secretary, will be sent later.

List of attachments

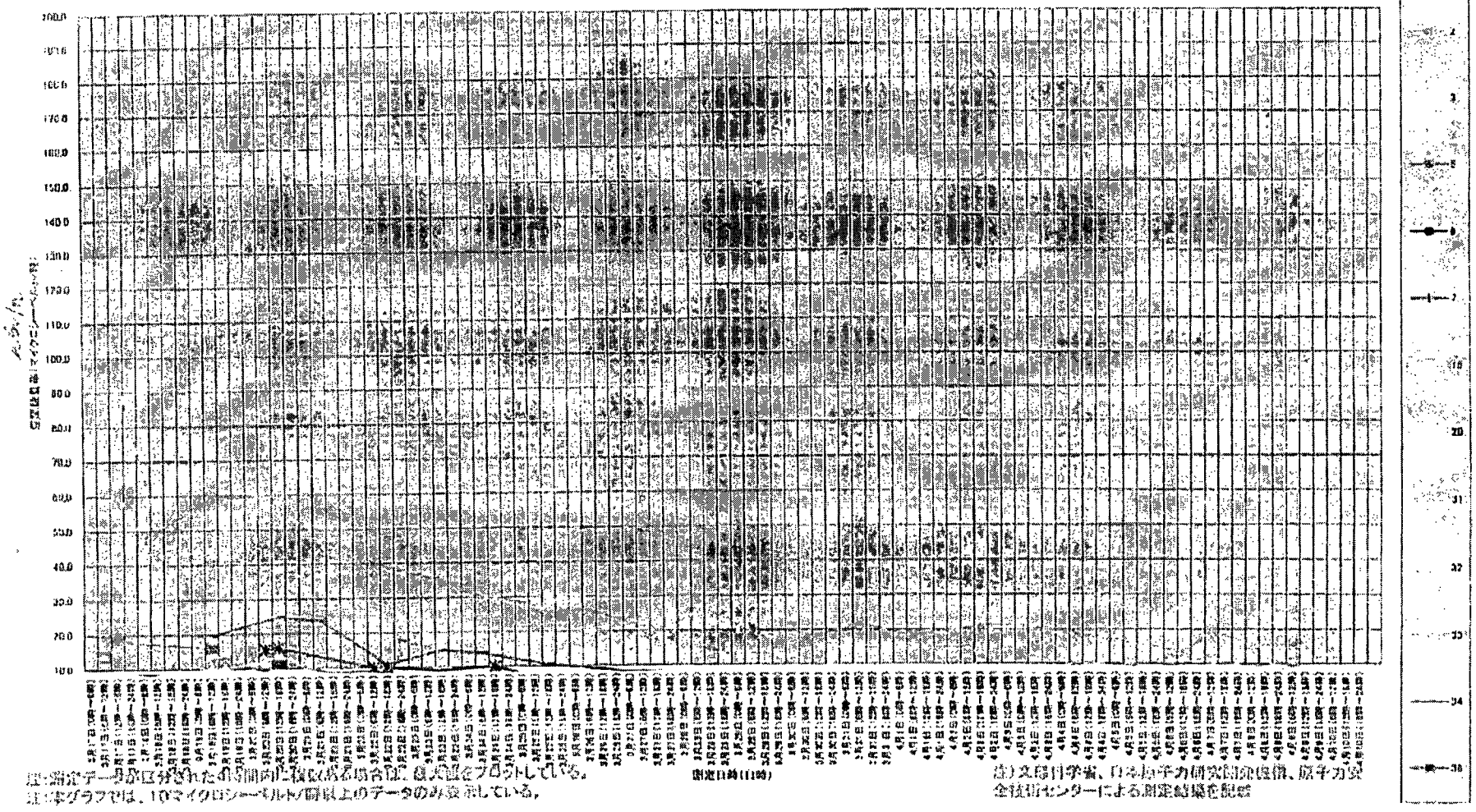
1. List of briefers from Ministries other than the MOFA (11th April)
2. The 2011 off the Pacific coast of Tohoku Earthquake and Tsunami ·Portal· (Japan Meteorological Agency)
3. Levels of radioactive contaminants in foods (data reported on 10 April 2011) (Ministry of Health, Labour and Welfare)
4. Current situation for water supply works (11th April 2011) and Press release on Detection of radioactive materials in tap water (31th announcement) (Ministry of Health, Labour and Welfare)
5. &n bsp; Results of the inspection on radioactive materials in fisheries products (Ministry of Agriculture, Forestry and Fisheries)
6. Readings at Monitoring Post out of 20km Zone of Fukushima Dai-ichi NPP(Ministry of Education, Culture, Sports, Science and Technology)
7. Press Release (Evaluation of Environment Radiation Monitoring Results (16:45 April 10,2011)) (Nuclear Safety Commission, Cabinet Office)
8. ~~【Japanese Document】福島第一 物揚場前および2号 w)機、4号機スクリーン海水核種分析結果 (The results of nuclide analyses of seawater of Dai-ichi Nuclear Power Station) (MOFA)~~
9. ~~News Release (Information of the Situation Caused by the Earthquake Off the Coast of Miyagi Prefecture (the 6th Release)) (Nuclear and Industrial Safety Agency)~~
10. ~~News Release (Seismic Damage Information (the 85th and the 86th Release)) (Nuclear and Industrial Safety Agency)~~
11. ~~Conditions of Fukushima Dai-ichi Nuclear Power Station Unit1-6 (Nuclear and Industrial Safety Agency) ※ The handouts of Unit5&6 were not distributed at the briefing.~~

~~※Regarding the each country's import restriction on products of Japan, please visit the following URL~~
~~http://www.mofa.go.jp/mofaj/gaiko/index.html#link_7 (only in Japanese)~~
~~Regarding the long-term evaluation by the Headquarters for Earthquake Research Promotion, please visit the following URL, and click "Evaluation" (green icon on the left)~~
~~http://www.jishin.go.jp/main/index-e.html (Only in Japanese)~~

~~(END)~~

Readings at Monitoring Post out of 20km Zone of Fukushima Dai-ichi NPP

福島第一原子力発電所の20km以遠のモニタリング結果の推移



注：測定データが区分されたの期間に複数ある場合は、最大値をプロットしている。
注：本グラフでは、10マイクロシーベルト/時以上のデータのみ表示している。

注）文部科学省、日本原子力研究開発機構、原子力安全技術センターによる測定結果を記載

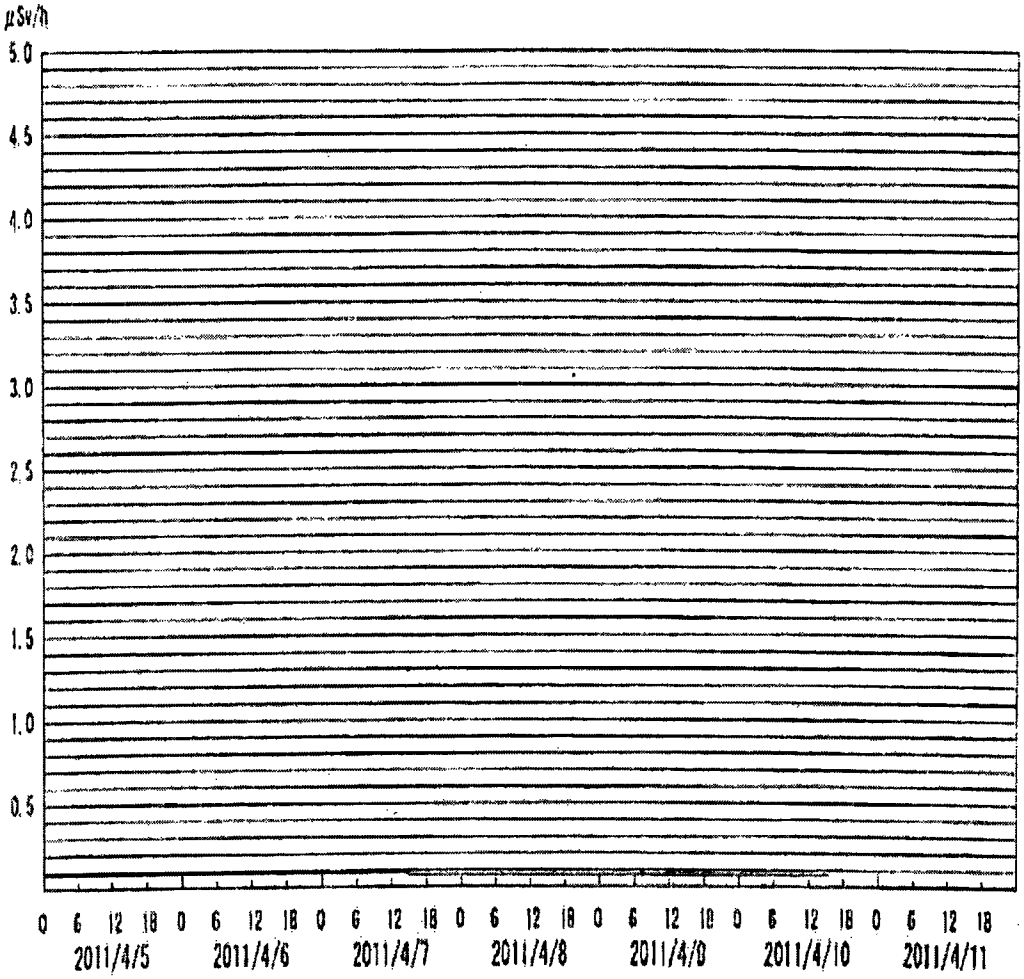
1

2011/04/11 0:15 Updated

Tokyo (Shinjuku)

This site is operated by Ministry of Education through the support of Microsoft Japan

Powered by Windows Azure



Range of past usual figues: 0.028 ~ 0.079

5μSv is the figure that a Nuclear Emergency Preparedness Manager should notify the competent minister, etc. based on Act on Special Measures Concerning Nuclear Emergency Preparedness.

These figures are estimated as 1μGy/h=1μSv/h

Based on "Reading of environmental radioactivity level by prefecture" collected by MEXT

Recent Data: Latest

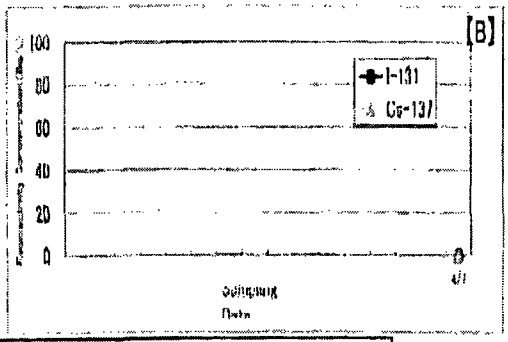
Reading of radioactivity level in drinking water by prefecture

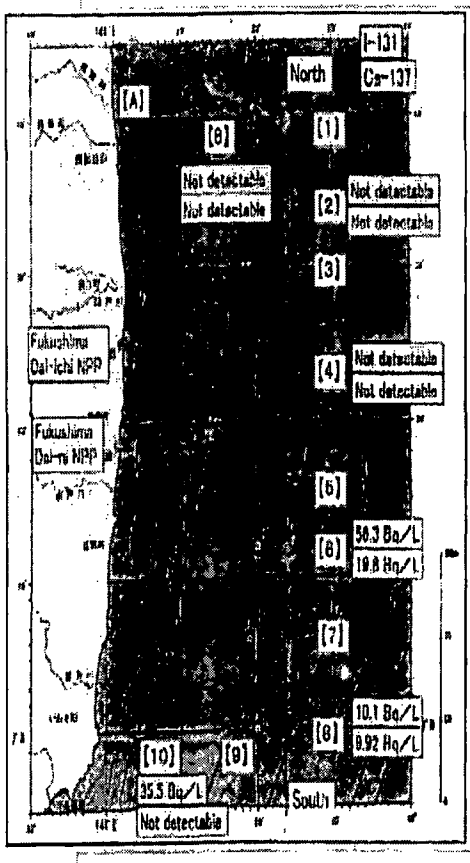
2

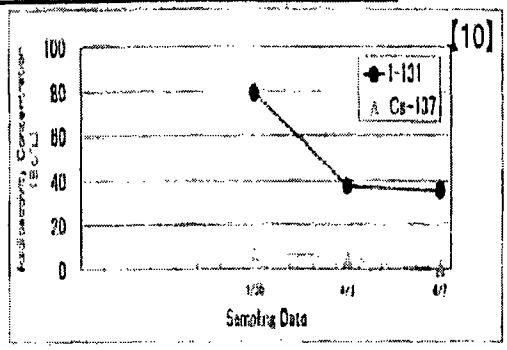
6 - 2

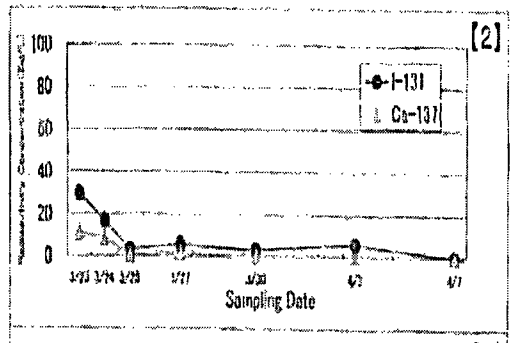
Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP

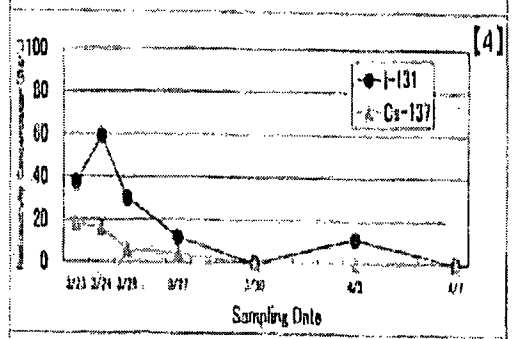
Result of Radioactivity Concentration in the Sea (outer layer) Sampling Date: 2011/4/7

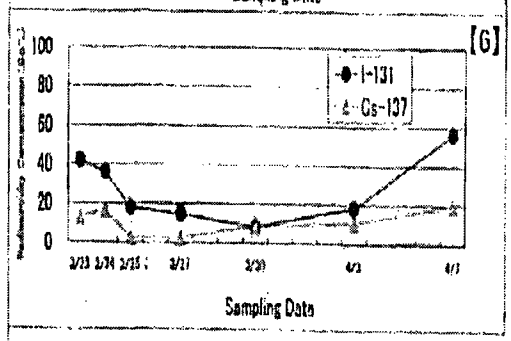


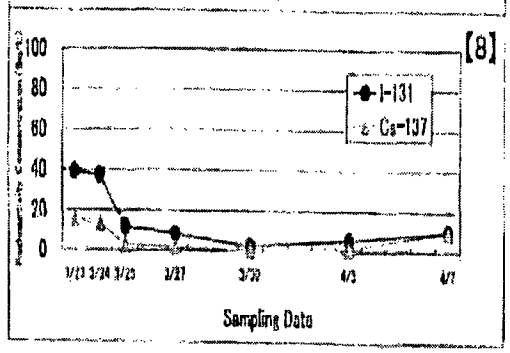








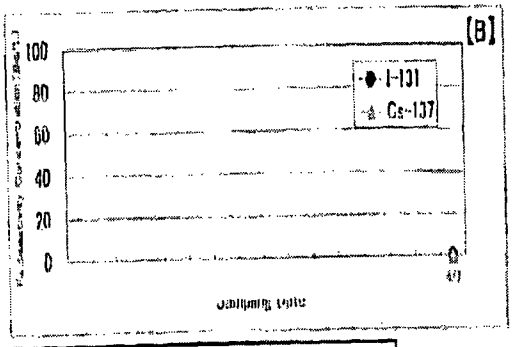


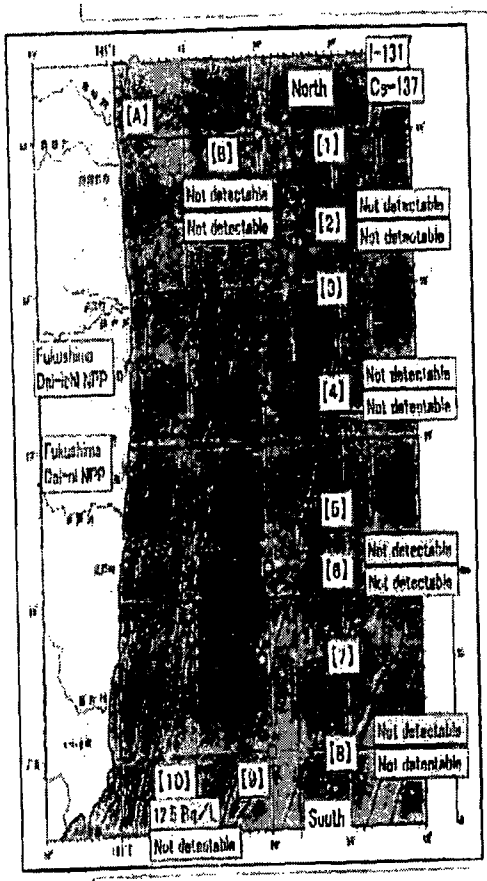


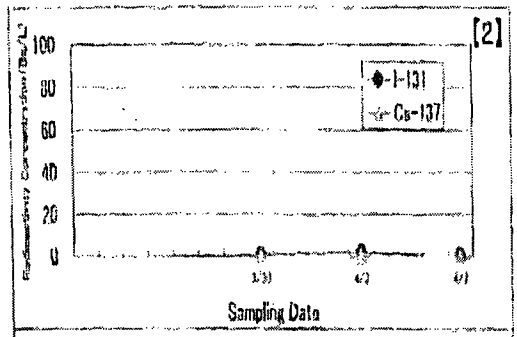
Note: "Not Detectable" is illustrated as 0Bq/L

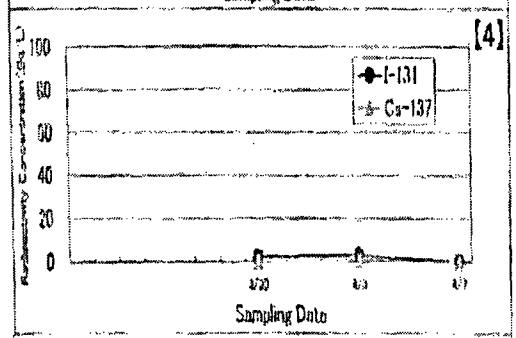
Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP

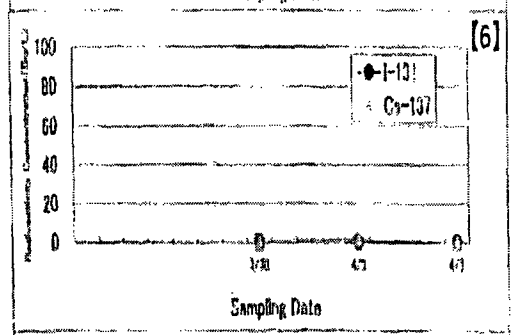
Result of Radioactivity Concentration in the Sea (lower layer) Sampling Date : 2011/4/7

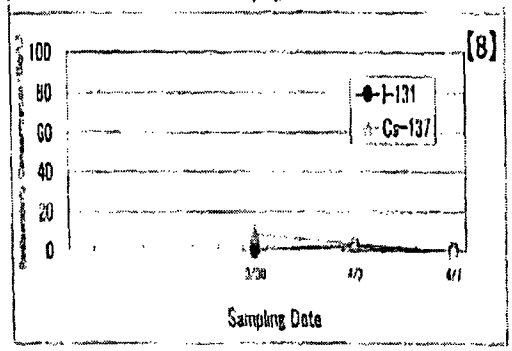


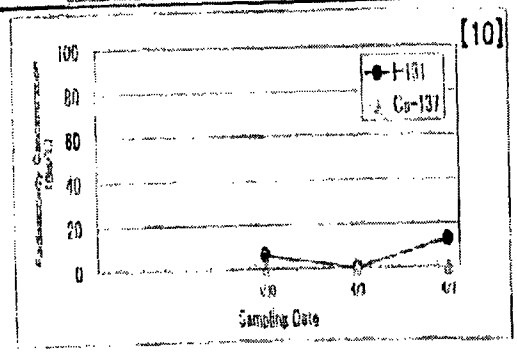






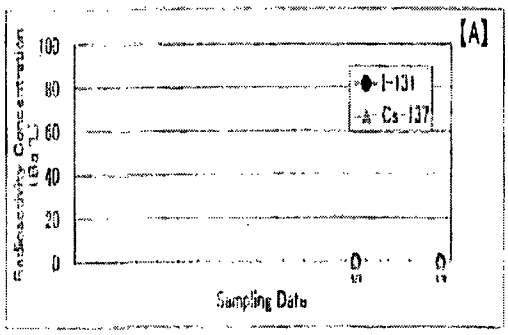


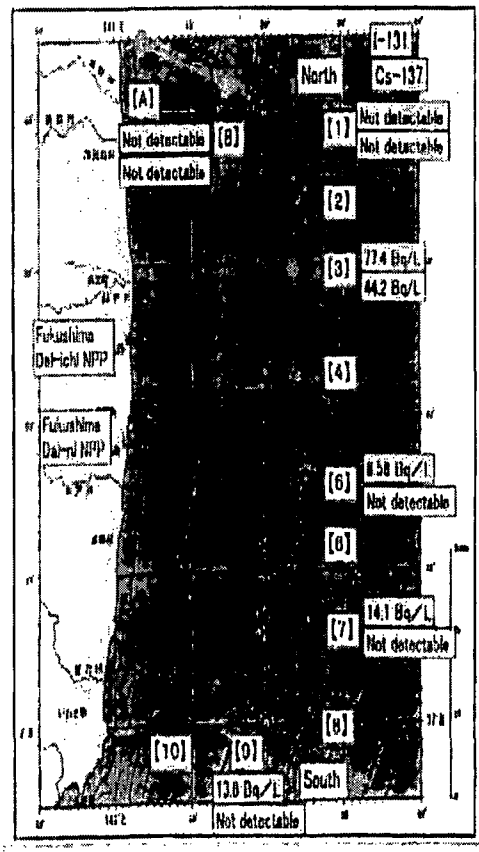


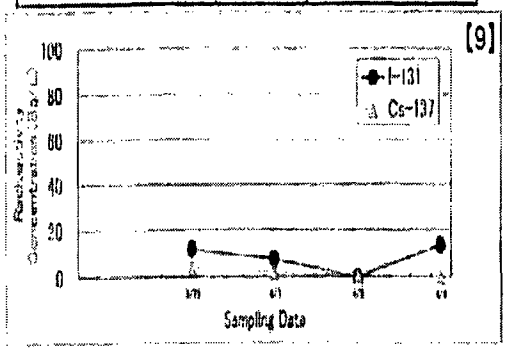


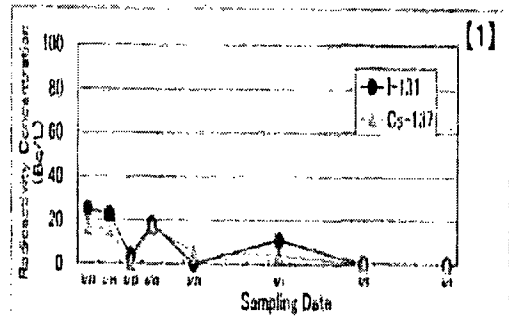
Note: "Not Detectable" is illustrated as 0Bq/L

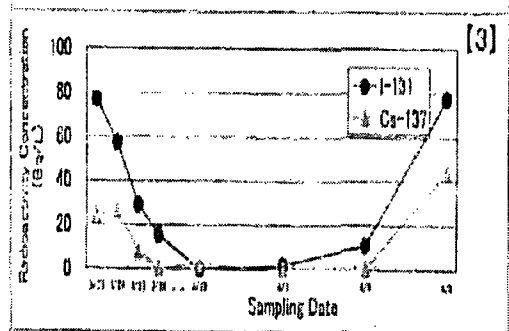
Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP
Result of Radioactivity Concentration in the Sea (outer layer) Sampling Date 2011/4/9

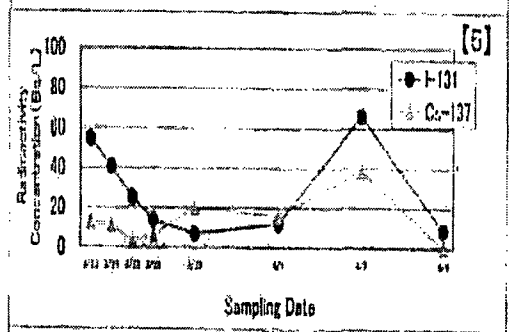


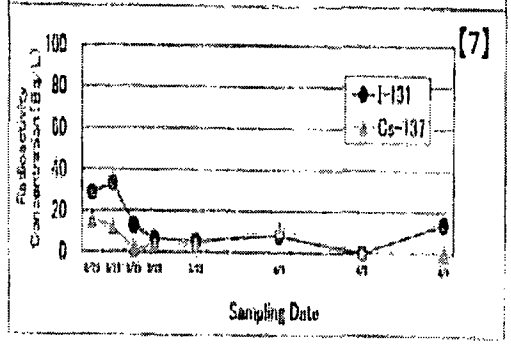










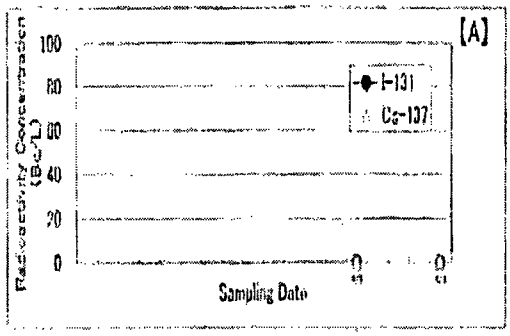


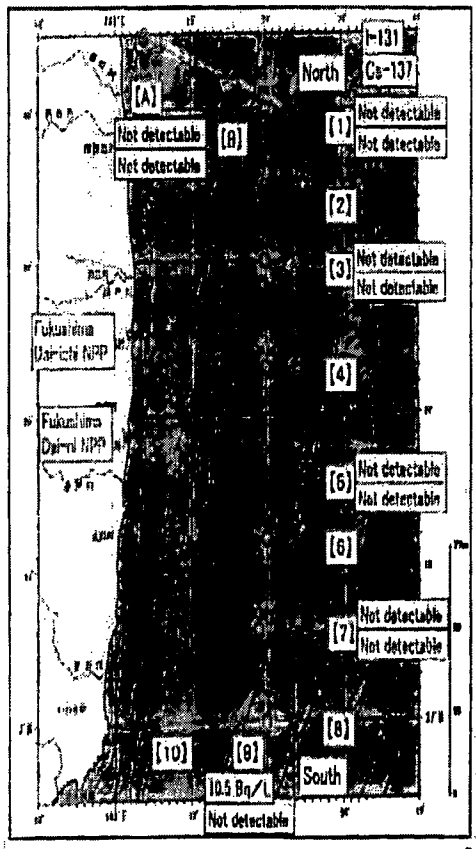
※ Note: "Not Detectable" is illustrated as 0Bq/L

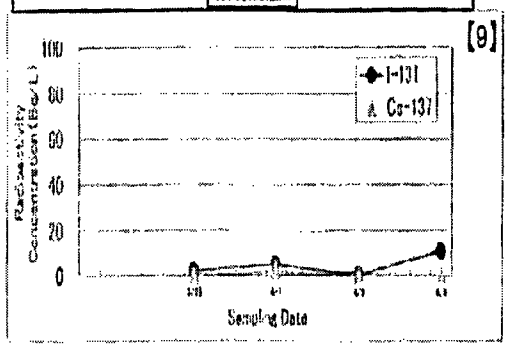
5

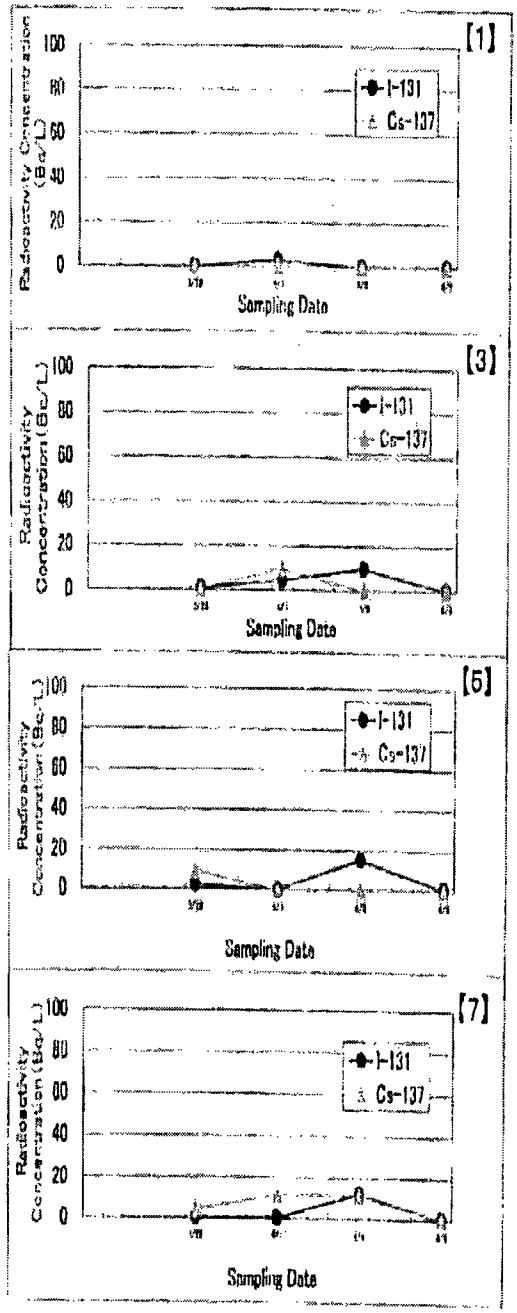
Readings of Sea Area Monitoring at Post Out of Fukushima Dai-ichi NPP

Result of Radioactivity Concentration in the Sea (lower layer) Sampling Date 2011/4/9





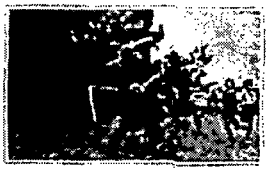




※ Note: "Not Detectable" is illustrated as 0Bq/L

Download Pamphlet ↓

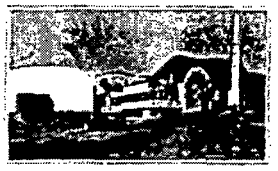
EDUCATION



Education, foundation, for better society and life.

Elementary & Secondary
Higher Education
Lifelong Learning Policy

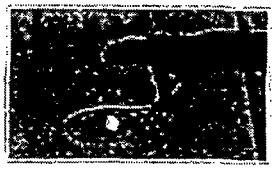
SCIENCE & TECHNOLOGY



Further Development of Japan's Scientific Potential

Science & Technology
Research Promotion
Research & Development

SPORTS



Striving to promote sports and a healthy mind and body, and a wholesome upbringing

Sports & Youth

CULTURE

"Power of Culture" is power of country! We aim to be a nation based on culture and the arts.

Cultural Affairs
International Affairs

ABOUT MEXT

Organization
Budget
Statistics
White Paper
Press Releases

MEXT

YouTube MEXT ch

UPDATES

Mar.2011
Reading of environmental radioactivity level by prefecture, Time series data (Green)(English version)

Mar.2011
Reading of environmental radioactivity level (English version)

Mar.2011
Reading of environmental radioactivity level(Chinese version)(环境辐射水平测量结果)

Mar.2011
Reading of environmental radioactivity level(Korean version)(환경 방사능 수준 조사 결과)

Mar.2011
Tohoku district -off the Pacific Ocean Earthquake

TOPICS

Message from Prime Minister Naoto Kan and the Minister of MEXT To all Elementary School Students

Message from Prime Minister Naoto Kan and the Minister of MEXT To all Junior High and High School Students

Message from the Minister of MEXT To all Educators and Related Staff Members

MAIN ORGANS UNDER MEXT'S JURISDICTION

Agency for Cultural Affairs

Welcome to the Japanese National Commission for UNESCO

RELATED SITES

Gateway to Study in JAPAN

Prime Minister KAN'sTV

List of related sites

Ministry of Education, Culture, Sports, Science and Technology (MEXT) 3-2-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-8959, Japan Tel : +81-(0)3-5253-4111(Reception) map

From: ET07 Hoc
Sent: Monday, April 11, 2011 9:11 AM
To: Marshall, Jane
Attachments: documents list.docx; daily actions.docx; transition plan - monday.docx

UUUU/52

Operations Center Transition Plan to Reduced Staffing for Fukushima Dai-ichi Event

Based on the Chairman's April 8, 2011 memorandum to the EDO with approval of Operations Center staffing for the Japan event, staff is beginning to transition current staffing levels to a six-person team as described in the memorandum:

"I have been briefed by the staff and understand their proposal recommending a reduction in the Operations Center staffing in response to the event. Provided that adequate support to the site team can be maintained, I approve the staff's recommendation to reduce the Operations Center response team to one team directed by a member of the Executive Team (ET), and consisting of two members from the Reactor Safety Team (RST), one member of the Protective Measures Team (PMT), and one member of the Liaison Team (L T) to provide immediate support to the site team, and one assistant to the ET director. The team should be supplemented as necessary based on workload, and line organizations should be tasked as a high priority for support as needed. The team should be staffed around-the-clock as long as the site team is staffed."

The intent of this document is to detail the actions taken and planned for an orderly transition to the six-person agency watch staff, the associated actions to transfer incoming requests to NRC line organizations, and the subsequent reduction of products delivered by the agency watch team and/or participation in conferences or calls regarding the event. It is expected that each NRC Office will have a central point of contact and a distribution network to properly process and distribute to key available staff members the requests sent by the agency watch team as it continues to support the needs of the Site Team in Japan. The principal roles of the team in the Operations Center are to provide a point of contact for the site team and to ensure that site team needs are met with a similar response time as a fully-staffed Operations Center. The change is that the Operations Center team is not expected to provide support directly, but rather to manage that support from the line organizations. The Operations Center team will provide direct support consistent with the limited resources and available skill sets of the new team size.

Messaging on Transition

NRC is realigning the functions for the Japan Earthquake and Tsunami response to better serve the changing information needs for stakeholders. The following realignment will occur, beginning Monday April 11, 2011:

1. The NRC Site Team in Japan will continue to be staffed at the current level. Additional NRC staff are preparing to depart the U.S. for Japan for turnover to allow some of the current staff to return to the U.S.
2. NRC's line organizations will be leveraged to perform detailed technical analyses previously performed by the full Reactor Support and Protective Measures Teams in the NRC HQ Operations Center.
3. The Headquarters Operations Center will continue to have enhanced staffing around the clock dedicated to this response, but will have fewer individuals per shift in the Operations Center. Their focus will be coordination and communications while shifting

most of the technical work associated with this response to NRC's regular line organizations.

Actions by Team:

Executive Team

1. Continue to update ~~and distribute~~ the ET one-pager.
2. Define roles and skills needed for each position.
3. Determine when and if temporary augmentation of the Ops Center staff is needed (when tasks cannot be efficiently or effectively worked through the line organization), which skill sets are needed, and the duration of the augmentation.
4. Change to 2 Commissioners' Assistants (CA) briefings per week starting April 11. Briefings will be Tuesdays and Thursdays at 10 am (CAs notified on 4/10/11 call).
5. Modify Ops Center Status Update as of April 11 to once per day and shorten.
6. Brief TAs on new schedule for status updates. (completed 4/10/11)
7. Determine criteria or date to move team of 6 to the _____ Room?
8. Determine staff for the start of the 6 person team on Monday April 11 – April 16 (completed 4/9/11)
9. Develop implementing plan for new staffing starting April 17.
10. Ensure ODs provide a point of contact for Japan-event related tasks coordinated through the Ops Center. (M. Evans sent an email request to ODs on 4/9/11 to provide a POC.)
11. Ensures consistency in document nomenclature for various documents and responses to information requests. Identify reports/documents to be sunsetted, as more global documents are created and kept up-to-date.

Executive Briefing Team

1. Based on feedback from external stakeholders, the SitRep will continue to be provided in its current format. The update frequency will be reduced to once per day (1600 hrs). Obtain input from PMT/RST and issue SitRep daily at 1600.

ET Support Team

1. Determine computer work station usage and how to transition to the 6 person team functions.
2. Update list of calls for ops center.
3. Support staff should have appropriate coordination skills to work with the entire team to facilitate the completion of actions and provide support as needed.
4. Teams should provide information so that support staff can be aware of the existence and location and nomenclature of important documents.
5. Coordinate with the HOOs to schedule and announce non-routine Commissioner Assistance briefings for emergent issues as directed by ET Director (HOOs need 2 hrs to make notifications and setup the voice conferencing system for CA calls).

NSIR Incident Response Staff (dayshift; as part of the line organization)

1. Implement a process for capturing relevant items from various workstations and emails (an auto-forward or bounce-back message may help for emails).
2. Provide SharePoint and WebEOC access and instruction to support staff so that SharePoint can be utilized once the briefing products are consolidated/discontinued.
3. Determine an effective method to track actions, information, and decisions if Chronology is to be discontinued.
4. Address Ops Center operational issues (facility and Ops Center computer system issues)

Protective Measures Team

1. Notify participants on 0930 call – change to weekly. Consider moving to line organizations for conducting weekly calls.
2. Agree with recommendation to go to weekly calls for information exchange on monitoring data (1100).
3. Modify calls with the Japan team to once per day, but team should select the best time.
4. Maintain 1545 radiological community of interest call with PACOM – done in SCIF, supported by Whitney, Ulses, and V. Holahan.
5. Modify PACOM J2 calls to on an as-needed basis from 1700 daily.
6. Maintain daily calls w/ V. Holahan, and PACOM.
7. Determine computer work station usage and how to transition to person/shift.

Reactor Safety Team

1. Staff the BWR Expert position with a person with the following skills: Strong BWR experience and continuity in the Japan event in RST area.
2. Staff a Severe Accident/BWR Analyst position with the following skills in priority order: (1) severe accident/PRA, (2) BWR experience, and (3) Ops center function and equipment experience.
3. Assign to the BWR expert the primary responsibility to:
    a. Lead the overall RST activities for the Japan Event
    b. Lead periodic calls with the consortium and Japan site team
    c. Develop assessments on RST activities for Japan site team and appropriate stakeholders.
    d. Provide recommendation on release of RST assessments to the ET director.
    e. Develop taskings for line organization to assist site team.
4. Assign to the Severe Accident/BWR analyst the primary responsibility to:
    a. Provide support to the BWR expert on RST assessments
    b. Provide updates to Fukushima status update chart
    c. Coordinate and track external requests going to line organizations
    d. Maintain RST task tracker

5. Move responsibility of the UK/Canada/France call to the line organization or discontinue. Notify participants on Monday, 4/11/11.
6. Consolidate two calls with the industry consortium/Japan team (one at 0300, and one at 1700). Include PMT in both calls. Suspend 1100 consortium call on Tuesday.

Liaison Team

In addition to site team support, the LT member is responsible for providing liaison support to the Operations Center team consistent with normal Liaison Team responsibilities. The LT member will work with the POCs identified in each supporting office (principally OIP, FSME, and OCA) to ensure that tasks, deliverables, and schedules are understood by the appropriate line organization.

The LT member will participate on the following calls:

1. Calls with the site team.
2. 1100 Emergency Support Function (ESF)-8 call – this occurs on Tuesdays only now (state or OIP and LT Coordinator)
3. 1400 USAID Congressional call – this call occurs on Tuesdays only now (OCA and LT Coordinator)
4. 1700 HHS call with 50 states and federal partners – State Liaison and LT Coordinator participate – now down to Tuesdays and Thursdays only

These calls can be handled by the LT member and, at their judgment, by including appropriate program office staff. These calls may stop altogether in the near future due to diminishing interest by other stakeholders.

Actions to Implement Prior to Transition

There are no LT calls that need to be cancelled and no actions required to interact with other stakeholders prior to implementing the new ops center staffing plan.

1. Issue new roster for the revised staffing (Completed 4/9/11 for interim staffing; longer-term staffing will be worked week of April 11).
2. Brief new team on roles/responsibilities
3. Identify POC's for Offices to provide as "reach-back" access, Brief Offices on transition and implications including need for close communications (M. Evans requested Office POCs by email dated 4/9/11)
    a. FSME –
    b. NMSS – Doug Weaver
    c. NRR – Office TA
    d. NSIR –OPA - ?
    e. OCA - ?
    f. OIP -?
    g.

h.

4. Notify stakeholders that the SitRep will be issued once daily.

Transition Team Reoccurring Daily Actions and Calls

-Time (EDT)	Description	Lead Team (Will identify position lead for transition team)	Action/Purpose of the Call	Recommendation
0300	RST/PMT call with Japan Team	RST/PMT (arranged by the HOO) (b)(6)	Daily update for Site Team and HQ (convenient time for the Site Team)	
0600	One Pager	ET Dir	Provide input to ET Coordinator	
0715	Chairman's Brief	ET	Update chairman and staff during turnover	
	Deputy Secretaries (as scheduled)	ET	White House lead (***-Chairman participates***) -Interagency discussion	
0800	ET call with Casto (Proposed, discussed w/Casto but not with Chairman)	ET/Chairman/Casto (coordinate w/HOO)	Actions/Priorities for HQ Team	New: Need to coordinate with Chairman and Casto
0900	RST Status Call with INPO	RST	Update status of Reactors and SFPs	
0930	UK/Canada/France Call	RST/PMT ** (arranged by HOO) Bridge (b)(6)	Information Exchange. Focused on Operational issues ***(Combining PMT call from 1400 for Dose issues. Starting 3/28)***	Once a week
1000	TAs & CAs briefing	ET ** (arranged by HOO) (b)(6)	ET Director lead -briefed Commission TAs and ODs	Tuesday and Thursday at 1000
1100	ESF8-(Public Health & Medical Services)	LT (Conference number provided by HHS)	HHS Secretarys Operations Center lead -Interagency discussion NOTE call will be held on Tuesdays and Fridays only.	Reduce to 1/week (Tuesday)
1100	Technical Coordination with Industry Consortium	RST (arranged by HOO) (b)(6)	Technical discussion	Transfer to NRR
1100	Info Exchange: US Environmental Monitoring Data ***(weekly after 4/5; next call to be April 12 at 11:00)***	Arranged by NEI	"Radiological Status & Implications" call between NRC, NEI, EPA, DOE, OSTP. NEI or OSTP will set up the bridge line.	Transfer to NRR

Transition Team Reoccurring Daily Actions and Calls

1230	NTAG teleconference (chaired by NSS)	PMT Director to lead	Nuclear Technical Advisory Group –email sent out daily with phone # and pass code	Transfer to NRR
1400	USAID Starting 4/5 call will be on Tuesdays only (b)(6) assword (b)(6)	LT/OCA	USAID lead NOTE- Starting 4/5 call will be on Tuesdays only. -Interagency discussion: Federal pre-coordination takes place at 1:45 and then the 2pm call with Congressional staff.	Transfer to OIP Tuesday only
1400	Advisory Team	White House/PMT	Call with the White House to help with coordination and ensure PMT/White House is aware of current information Call: (b)(6) Pin: (b)(6) (b)(6) Pin #: (b)(6)	As-needed
1500	One Pager	ET DIR	Provide Input to EBT Coordinator	
1500	Congressional call	OCA & NRC *Go-To Team* *(Leeds, M.Johnson, Sherron, B.Boger, etc)* (b)(6)	OCA lead -Audience is Congressional staff who have or are near a plant; Oversight committees; House &Senate leadership	Transfer to OCA
1515	Chairman's brief	ET (arranged through HOO)		
1545	Radiological Community of Interest VTC	Vince Holahan, Tony Ulses, Jim Whitney	Held in SCIF	Transfer to NSIR
1600	Input to Status Update	All Team Directors	Provide input to EST Coordinator	
1700	PACOM J2 call	RST/PMT	Occurs in SGT Room on Mon, Wed, Fri. PACOM will dial into 301-415-5393.	As-needed
1700	HHS call with 50 states and federal partners	LT/State Liaison	Meeting occurs each Tuesday and Thursday evening, as organized by HHS (N.Natarajan). HHS provides bridge line day of call	Transfer to FSME
1700	DOE Science Panel	RES	Brian Sheron and Richard Lee, out of the box solutions.	Transfer to RES
1800	Status update/Sit Rep *(BRIEFING ONLY-not a call)*	EST	EST developed agency briefing documents	Keep based on Feedback, make this

Transition Team Reoccurring Daily Actions and Calls

				primary 1 time daily
1830	Chairman's Call with Chuck Casto	Chairman/Chuck/ET	Brief on status	Move to 0800??
1900	Call with Vince Holahan PACOM	PMT	Status of Radiological Conditions Vince Direct Line – (b)(6), if no answer (b)(6) or SWO (b)(6) Cell (b)(6)	
2000	HHS Call with Pacific	PMT	Meeting occurs each Wed. evening. Call in (b)(6) (b)(6) is the pass code. PMT to participate	Once per week (Wednesday)
2000	Call with Industry Consortium (daily)	ET ***(arranged by HOO) (b)(6)	LT coordinates ET Led High-level discussions with industry and NRC Site Team	
2100	PMT call with Japan Team	PMT (arranged by the HOO) (b)(6)	Daily update for Site Team and HQ (convenient time for the Site Team)	
2200	One Pager	ET	Provide Input to EBT Coordinator	
2200	Email One pager to Chairman	ET	Update chairman via email using one-pager	

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
Priority 1: Compilation of the 3 Documents into 1 Composite Document							
Comprehensive (Global) Assessment	Intended use is "Highest Level" document to subsume all others eventually being the NUREG describing agency activities for this event.	NRC Japan Site Team	~~Draft received 4/9 @2115 hrs.~~ Provided comments to Site team by Mid shift (4/10)		~~4/10 @ 2100~~	~~Comments to Site Team~~ Mike Hay is working. Chuck envisions taking high level bullets to use as briefing material, some for Sec. Clinton visit. This document could be the "source" document for the slide(s).	This document will be used to help support Sec. State Clinton visit on 4/17.
Composite Analysis for Daiichi regarding EPZ and Stability	Gain agreement internally on the "3-primary (see Action note)" areas. This document to eventually be subsumed by the "Comprehensive (Global) Assessment."	Lead team on Document: PMT Work with RST on document Trish Milligan has the lead to compile the rollup of the talking points for the comprehensive document	PMT and RST are working on creating and refining the composite document.	Site Team EPA Naval Reactors DOE OSTP **Consideration to having a "face-to-face"**	Next deputies call or IPC call **Need to know if Dep. Mtg needed by 4/13.**	Take the following 3 documents and create a composite document with a rollup of talking points. - Criteria for Relaxing of 50 mile EPZ (PMT) - Grab & Go criteria in 50-mile EPZ (PMT) - Reactor Stable Conditions (Stability Doc) (RST) Comments provided to NR on policy issue of "dose criteria for return"	Substantive input provided by Trish Milligan, EPA, Naval Reactors, PMT, and RST.

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
Simplified Plant Condition Stability determination (supports RST Reactor Safety Assessment – Rev. 2- and PMT Composite documents)	To provide a simplified description of the conditions for the containments,reactors and spent fuel pools that are required for the Fukushima Daiichi units to be considered "stable." This is an alignment document to gain agreement with various partners.This document will be incorporated in The Revision 2 of the RST Reactor Safety Assessment document and the PMT Composite document..	RST	NR concur (4/10/11)			~~Needs to go to Site team by 0600 4/11/11.~~ ~~Goes to PMT to incorp into composite and "talking Pts"~~ Provided to the Site team on 4/10, 1830 EDT.	NRC Japan team to use this for interface with Japanese government officials.

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
Re-entry into Tokyo	This document is not an NRC product. It is intended to provide guidance to the Embassy for allowing US citizens return to Tokyo and surrounding vicinity from a radiological concern perspective.	State Department Document PMT	PMT provided comments on document	PMT comments, Japan Team Comments. State Dept. comments	N/A	Continue to talk to State Department and review any other drafts of this document. A copy of the document was reviewed on 4/8.	The document. will be sent to the State Department from U.S. Embassy as part of an email.
	NOTE: Send the final products of Priority 1 to Vince Holahan when completed at PACOM						
Priority 2: Review/Completion of Documents Below							

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
Reactor Safety Assessment, Rev 2	To provide the NRC Reactor Safety Team's assessment and recommendations for the Fukushima-Daiichi reactors to the USNRC team in Japan.This document will incorporate the "action" guides for the SFPs also. This document will be incorporated into the Comprehensive (Global) Assessment	RST	Under revision	All comments are due on Monday, April 11th; INPO/GE-H comments have been received by RST	No driving deadline		Putting off until this weekend

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
Overall SFP Assessment Document (*General Discussion of the Desired End State of all Spent Fuel Pools*)	This document is prepared to gain alignment/agreement among the reviewers/contributors on what actions should be taken to stabilize and maintain the SFP in long-term. This document will be incorporated in the Rx Safety Assessment (Rev.2), which will be incorporated in the Comprehensive (Global) Assessment Document.	RST	~~Draft~~ Currently RST is incorporating NR comments(4/10 Swings)	Need site team comments and NR has comments		To be eventually incorporated into the Rx Safety Assessment (document above).	comments from site team are expected 4/8 - 4/9

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
SFP - Slurry	This document was initiated at the request of the NRC Japan Team to support a briefing by Chuck Casto of the American Ambassador. It is intended to outline the technical issues associated with addition of a "slurry" to the spent fuel pool for Fukushima Daiichi Unit 4 and provide views based on available information.	RST	Issued	Site Team has it for comment, NR does not have for comment			
Option B Paper	The purpose of this paper is to present measures which may be taken by TEPCO in order to maximize the success of their current strategy.	RST	Issued, on 4-10-2011.	Site Team		Provided to the Site Team On 4/10/2011.	

All Teams Major Document Status
Last Updated: April 10, 2011 @ 2245 EST

Document Title	Purpose	Team	Current Status	Stakeholders Input to Request	Due Date	Action	Other
DOE's Slurry - Presentation	Provides quantitative numerical heat conduction analysis of SFP to support entombment assessment.	DOE	Issued. Sent to the site team, DOE and NRC papers are aligned that this method should be a last resort				Supports NRC document on SFP-Slurry paper.
Plume Modeling with NOAA		PMT	Plausible realistic V3 source term being provided to NOAA with suggested approach to uniformly distribute release over 7 days.	NOAA	TBD	Sent to NOAA, awaiting next steps.	
SFP Structural Assessment #4	This document provides comments on TEPCO's assessment of the structural stability of SFP#4. It was prepared by GE and INPO .	RST	GEH input received 4/9			Send to Site Team	
Development of information for Secretary of State (Clinton) Visit		LT	Working with RST and PMT to answer information that Chuck sent in	PMT RST LT NRC Japan Site Team	Friday April 15, 2011	Work with RST and PMT to answer information that Chuck sent in, LT will coordinate this action. This input will be incorporated into the "Comprehensive (Global) Assessment" document.	

From: LIA07 Hoc
Sent: Thursday, April 14, 2011 11:47 AM
To: LIA08 Hoc; RST01 Hoc; RST06 Hoc; Hoc, RST16
Cc: LIA07 Hoc
Subject: FW: OUO -- 1200 EDT (April 13, 2011) USNRC Earthquake-Tsunami Update

Please see the question below about spent fuel pool water levels.

Thank you,

Jim

-----Original Message-----
From: Trussler, Jeffrey E CAPT JCS J3 [mailto: (b)(6)
Sent: Thursday, April 14, 2011 8:23 AM
To: LIA07 Hoc
Cc: JAPAN-CMT Nuclear OPS JCS
Subject: RE: OUO -- 1200 EDT (April 13, 2011) USNRC Earthquake-Tsunami Update

Good morning, I have stood down the Nuc Ops desk at Joint Staff and am fielding all the info/comms myself.

Can you clarify the status of the spent fuel pools? #3 is the only one that reports low water level. Previously we thought most if not all were low. I reviewed all the reports over the last few weeks and it appears we shifted at some point, never reporting full or fuel covered, but it implies that now and DOE report says #4 covered.

Thanks, JT

CAPT Jeff Trussler
JCS J-3, DDRO JOD PACOM
(703) 695-3248, DSN: 225 - Desk
(b)(6) Cell/BlackBerry
SIPR: (b)(6)

-----Original Message-----
From: LIA07 Hoc [mailto:LIA07.Hoc@nrc.gov]
Sent: Wednesday, April 13, 2011 12:13 PM
To: LIA07 Hoc
Subject: OUO -- 1200 EDT (April 13, 2011) USNRC Earthquake-Tsunami Update

Attached, please find a 1200 EDT, April 13, 2011, status update from the US Nuclear Regulatory Commission's Emergency Operations Center regarding the impacts of the earthquake/tsunami.

UUUU/53

Please note that this information is "Official Use Only" and is not intended to be shared outside of the Federal government without NRC approval.

Please call the NRC's Headquarters Operations Officer at 301-816-5100 with questions.

Thank you,

Sara

Sara Mroz

US Nuclear Regulatory Commission

LIA07.HOC@nrc.gov (Operations Center)

From: Harrington, Holly
To: melanie reffes
Subject: RE: from NHK - JAPAN Broadcasting (DC Bureau)
Date: Thursday, April 14, 2011 9:37:00 AM

I wrote this backgrounder. It's not a "report" but an informational product for the public on the issue of security and nuclear power plants. What do you need to know?

Holly Harrington

From: melanie reffes [mailto:(b)(6)
Sent: Wednesday, April 13, 2011 4:15 PM
To: Harrington, Holly
Subject: from NHK - JAPAN Broadcasting (DC Bureau)

Hi Holly,

Quick question - do you know who authored this report and/or whether we can determine if that person(s) might be available for an interview with us ? or another NRC staffer involved in research regarding 'more stringent security requirements" after 9/11.'

http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/security-enhancements.pdf

With advance thanks,
Melanie

Melanie Reffes
Producer NHK Japan Broadcasting
Washington DC News Bureau
2030 M. St. N.W. Suite 706
Washington DC 20036
202 828 5180
Mobile (b)(6)
http://www3.nhk.or.jp/nhkworld/

54