This is the MELCOR Accident Consequence Code System (MACCS) output file corresponding to Case #2 from SECY-12-0157 Enclosure 5B. This was produced with MACCS version 3.7. SECY-12-0157, "Consideration of Additional Requirements for Containment Venting Systems for Boiling Water Reactors with Mark I and Mark II Containments" is publicly available here: http://pbadupws.nrc.gov/docs/ML1234/ML12345A030.html.

```
MACCS2 04/16/2014 13:56:05   Version 3.7.0.0   : 11/9/12    135605.937
P1:  ATMOS USER INPUT (UNIT 24) = J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Input\Atmos1.inp
P2:  EARLY USER INPUT (UNIT 25) = J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Input\Early1.inp
P3: CHRONC USER INPUT (UNIT 26) = J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Input\Chronc1.inp
P4:  METEOROLOGY DATA (UNIT 28) = J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\PB MACCS2 2006 Met Data 64WD.inp
P5:   SITE DATA INPUT (UNIT 29) = J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\PBSite2005_64.inp
P6:       LIST OUTPUT (UNIT 06) = J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Output\Model1.out



USER INPUT IS READ FROM UNIT 24
RECORD IDENTIFIER FIELDS  11 CHARACTERS LONG ARE EXPECTED.
THE FIRST 499 COLUMNS OF EACH INPUT RECORD ARE PROCESSED.

RECORD
NUMBER                          RECORD

     * File created using WinMACCS version 3.7.0 4/16/2014 1:55:51 PM
     *
     * MACCS2 Cyclical File: J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm).mxd
     *
     * Peach Bottom Revision 7 for Long Term Station Blackout
     *
     * Identifies this MACCS calculation
   1  RIATNAM1001          'SOARCA PB Source Term Long-Term SBO'
     *
```

```
   * NUMRAD, Number of Radial Spatial Elements
 2 GENUMRAD001       26
   *
   * SPAEND, Spatial Endpoint Distances (km)
 3 GESPAEND001       0.16
 4 GESPAEND002       0.52
 5 GESPAEND003       1.21
 6 GESPAEND004       1.61
 7 GESPAEND005       2.13
 8 GESPAEND006       3.22
 9 GESPAEND007       4.02
10 GESPAEND008       4.83
11 GESPAEND009       5.63
12 GESPAEND010       8.05
13 GESPAEND011       11.27
14 GESPAEND012       16.09
15 GESPAEND013       20.92
16 GESPAEND014       25.75
17 GESPAEND015       32.19
18 GESPAEND016       40.23
19 GESPAEND017       48.28
20 GESPAEND018       64.37
21 GESPAEND019       80.47
22 GESPAEND020       112.65
23 GESPAEND021       160.93
24 GESPAEND022       241.14
25 GESPAEND023       321.87
26 GESPAEND024       563.27
27 GESPAEND025       804.67
28 GESPAEND026       1609.34
   *
   * Form 'Site File' Comment:
   * To be supplied by SNL.
   *
   * NUMCOR, Number of angular compass directions
29 GENUMCOR001       64
   *
   * Form 'Radionuclides' Comment:
   * Come in thru MELMACCS and is reactor and power level specific
```

```
    *
    * NUMISO, Number of Nuclides
 30 ISNUMISO001         69
    *
    * Form 'Chemical Names' Comment:
    * Group names are imported from MELMACCS.
    *
    * MAXGRP, Number of Element Groups
 31 ISMAXGRP001         9
    *
    * Form 'Wet/Dry Depos Flags' Comment:
    * No change
    *
    * WETDEP, DRYDEP, Wet and Dry Deposition Flags for Each Nuclide Group
 32 ISDEPFLA001         .FALSE. .FALSE.
 33 ISDEPFLA002         .TRUE.  .TRUE.
 34 ISDEPFLA003         .TRUE.  .TRUE.
 35 ISDEPFLA004         .TRUE.  .TRUE.
 36 ISDEPFLA005         .TRUE.  .TRUE.
 37 ISDEPFLA006         .TRUE.  .TRUE.
 38 ISDEPFLA007         .TRUE.  .TRUE.
 39 ISDEPFLA008         .TRUE.  .TRUE.
 40 ISDEPFLA009         .TRUE.  .TRUE.
    *
    * NUMSTB_ZERO = 0
 41 ISNUMSTB001         0
    *
    * Form 'Pseudostable Radionuclides' Comment:
    * Come in thru MELMACCS.
    *
    * NUMSTB, Number of Pseudostable Radionuclides
 42 ISNUMSTB001         16
******** RECORD NUMBER   42 REPLACES RECORD NUMBER   41  ********
    *
    * NAMSTB, List of Pseudostable Radionuclides
 43 ISNAMSTB001         I-129
 44 ISNAMSTB002         Xe-131m
 45 ISNAMSTB003         Xe-133m
 46 ISNAMSTB004         Cs-135
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47 ISNAMSTB005      Sm-147
48 ISNAMSTB006      U-234
49 ISNAMSTB007      U-235
50 ISNAMSTB008      U-236
51 ISNAMSTB009      U-237
52 ISNAMSTB010      Np-237
53 ISNAMSTB011      Rb-87
54 ISNAMSTB012      Zr-93
55 ISNAMSTB013      Nb-93m
56 ISNAMSTB014      Nb-95m
57 ISNAMSTB015      Tc-99
58 ISNAMSTB016      Pm-147
   *
   * NUCNAM, IGROUP, Chemical group associated with each nuclide
59 ISOTPGRP001      Kr-85     1
60 ISOTPGRP002      Kr-85m    1
61 ISOTPGRP003      Kr-87     1
62 ISOTPGRP004      Kr-88     1
63 ISOTPGRP005      Xe-133    1
64 ISOTPGRP006      Xe-135    1
65 ISOTPGRP007      Xe-135m           1
66 ISOTPGRP008      Cs-134    2
67 ISOTPGRP009      Cs-136    2
68 ISOTPGRP010      Cs-137    2
69 ISOTPGRP011      Rb-86     2
70 ISOTPGRP012      Rb-88     2
71 ISOTPGRP013      Ba-139    3
72 ISOTPGRP014      Ba-140    3
73 ISOTPGRP015      Sr-89     3
74 ISOTPGRP016      Sr-90     3
75 ISOTPGRP017      Sr-91     3
76 ISOTPGRP018      Sr-92     3
77 ISOTPGRP019      Ba-137m           3
78 ISOTPGRP020      I-131     4
79 ISOTPGRP021      I-132     4
80 ISOTPGRP022      I-133     4
81 ISOTPGRP023      I-134     4
82 ISOTPGRP024      I-135     4
83 ISOTPGRP025      Te-127    5
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84	ISOTPGRP026	Te-127m	5
85	ISOTPGRP027	Te-129	5
86	ISOTPGRP028	Te-129m	5
87	ISOTPGRP029	Te-131m	5
88	ISOTPGRP030	Te-132	5
89	ISOTPGRP031	Te-131	5
90	ISOTPGRP032	Rh-105	6
91	ISOTPGRP033	Ru-103	6
92	ISOTPGRP034	Ru-105	6
93	ISOTPGRP035	Ru-106	6
94	ISOTPGRP036	Rh-103m	6
95	ISOTPGRP037	Rh-106	6
96	ISOTPGRP038	Nb-95	7
97	ISOTPGRP039	Co-58	7
98	ISOTPGRP040	Co-60	7
99	ISOTPGRP041	Mo-99	7
100	ISOTPGRP042	Tc-99m	7
101	ISOTPGRP043	Nb-97	7
102	ISOTPGRP044	Nb-97m	7
103	ISOTPGRP045	Ce-141	8
104	ISOTPGRP046	Ce-143	8
105	ISOTPGRP047	Ce-144	8
106	ISOTPGRP048	Np-239	8
107	ISOTPGRP049	Pu-238	8
108	ISOTPGRP050	Pu-239	8
109	ISOTPGRP051	Pu-240	8
110	ISOTPGRP052	Pu-241	8
111	ISOTPGRP053	Zr-95	8
112	ISOTPGRP054	Zr-97	8
113	ISOTPGRP055	Am-241	9
114	ISOTPGRP056	Cm-242	9
115	ISOTPGRP057	Cm-244	9
116	ISOTPGRP058	La-140	9
117	ISOTPGRP059	La-141	9
118	ISOTPGRP060	La-142	9
119	ISOTPGRP061	Nd-147	9
120	ISOTPGRP062	Pr-143	9
121	ISOTPGRP063	Y-90	9
122	ISOTPGRP064	Y-91	9

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123  ISOTPGRP065       Y-92      9
124  ISOTPGRP066       Y-93      9
125  ISOTPGRP067       Y-91m     9
126  ISOTPGRP068       Pr-144    9
127  ISOTPGRP069       Pr-144m   9
     *
     * Form 'Wet Deposition' Comment:
     * Values from Nate et al's report, table 7, page 64 (April 2007).  Derived  assuming 1 micrometer particles.  Do not change.
     *
     * CWASH1, Washout Coefficient Number One, Linear Factor
128  WDCWASH1001       1.89E-05
     *
     * CWASH2, Washout Coefficient Number Two, Exponential Factor
129  WDCWASH2001       0.664
     *
     * Form 'Dry Deposition' Comment:
     * Calculated in MELMACCS
     *
     * NPSGRP, Number of Particle Size Groups
130  DDNPSGRP001       10
     *
     * VDEPOS, Dry Deposition Velocities for Each Particle Size Group (m/sec)
131  DDVDEPOS001       5.3471E-04
132  DDVDEPOS002       4.9073E-04
133  DDVDEPOS003       6.4289E-04
134  DDVDEPOS004       0.0010839
135  DDVDEPOS005       0.0021202
136  DDVDEPOS006       0.0043375
137  DDVDEPOS007       0.0083669
138  DDVDEPOS008       0.013719
139  DDVDEPOS009       0.016988
140  DDVDEPOS010       0.016988
     *
     * Form 'Dispersion Function' Comment:
     * From Nate's draft report (April 2007).
     *
     * CYSIGA, Dispersion function parameter
141  DPCYSIGA001       0.7507
142  DPCYSIGA002       0.7507
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143  DPCYSIGA003       0.4063
144  DPCYSIGA004       0.2779
145  DPCYSIGA005       0.2158
146  DPCYSIGA006       0.2158
   *
   * CYSIGB, Dispersion function parameter
147  DPCYSIGB001       0.866
148  DPCYSIGB002       0.866
149  DPCYSIGB003       0.865
150  DPCYSIGB004       0.881
151  DPCYSIGB005       0.866
152  DPCYSIGB006       0.866
   *
   * CZSIGA, Dispersion function parameter
153  DPCZSIGA001       0.0361
154  DPCZSIGA002       0.0361
155  DPCZSIGA003       0.2036
156  DPCZSIGA004       0.2636
157  DPCZSIGA005       0.2463
158  DPCZSIGA006       0.2463
   *
   * CZSIGB, Dispersion function parameter
159  DPCZSIGB001       1.277
160  DPCZSIGB002       1.277
161  DPCZSIGB003       0.859
162  DPCZSIGB004       0.751
163  DPCZSIGB005       0.619
164  DPCZSIGB006       0.619
   *
   * Form 'Scaling Factors' Comment:
   * ZSCALE correspond to a surface roughness of 10 cm.  The formula for calculating it is in the NUREG/CR-4691.
   *
   * YSCALE, linear scaling factor for sigma-y
165  DPYSCALE001       1.
   *
   * ZSCALE, linear scaling factor for sigma-z
166  DPZSCALE001       1.27
   *
   * DISPMD - dispersion long-range model
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167  DPDISPMD001       LRDIST
     *
     * MNDMOD, plume meander model
168  PMMNDMOD001       OFF
     *
     * Form 'Plume Rise Scale Factor' Comment:
     * Using standard modeling options.
     *
     * SCLCRW, scaling factor for entrainment of buoyant plume
169  PRSCLCRW001       1.
     *
     * SCLADP, scaling factor for the a–d stability plume rise formula
170  PRSCLADP001       1.
     *
     * SCLEFP, scaling factor for the e–f stability plume rise formula
171  PRSCLEFP001       1.
     *
     * Form 'Wake Effect Data' Comment:
     * Data for Peach Bottom from NUREG-1150.
     *
     * BUILDH, building height (meters)
172  WEBUILDH001       5.0E+01
173  WEBUILDH002       5.0E+01
174  WEBUILDH003       5.0E+01
175  WEBUILDH004       5.0E+01
176  WEBUILDH005       5.0E+01
177  WEBUILDH006       5.0E+01
178  WEBUILDH007       5.0E+01
179  WEBUILDH008       5.0E+01
180  WEBUILDH009       5.0E+01
181  WEBUILDH010       5.0E+01
182  WEBUILDH011       5.0E+01
183  WEBUILDH012       5.0E+01
184  WEBUILDH013       5.0E+01
185  WEBUILDH014       5.0E+01
186  WEBUILDH015       5.0E+01
187  WEBUILDH016       5.0E+01
188  WEBUILDH017       5.0E+01
189  WEBUILDH018       5.0E+01
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190  WEBUILDH019      5.0E+01
191  WEBUILDH020      5.0E+01
192  WEBUILDH021      5.0E+01
193  WEBUILDH022      5.0E+01
194  WEBUILDH023      5.0E+01
195  WEBUILDH024      5.0E+01
196  WEBUILDH025      5.0E+01
197  WEBUILDH026      5.0E+01
198  WEBUILDH027      5.0E+01
199  WEBUILDH028      5.0E+01
200  WEBUILDH029      5.0E+01
201  WEBUILDH030      5.0E+01
202  WEBUILDH031      5.0E+01
203  WEBUILDH032      5.0E+01
204  WEBUILDH033      5.0E+01
     *
     * SIGYINIT, initial value of sigma-y for each of the plumes (meters)
205  SIGYINIT001      1.16E+01
206  SIGYINIT002      1.16E+01
207  SIGYINIT003      1.16E+01
208  SIGYINIT004      1.16E+01
209  SIGYINIT005      1.16E+01
210  SIGYINIT006      1.16E+01
211  SIGYINIT007      1.16E+01
212  SIGYINIT008      1.16E+01
213  SIGYINIT009      1.16E+01
214  SIGYINIT010      1.16E+01
215  SIGYINIT011      1.16E+01
216  SIGYINIT012      1.16E+01
217  SIGYINIT013      1.16E+01
218  SIGYINIT014      1.16E+01
219  SIGYINIT015      1.16E+01
220  SIGYINIT016      1.16E+01
221  SIGYINIT017      1.16E+01
222  SIGYINIT018      1.16E+01
223  SIGYINIT019      1.16E+01
224  SIGYINIT020      1.16E+01
225  SIGYINIT021      1.16E+01
226  SIGYINIT022      1.16E+01
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227  SIGYINIT023          1.16E+01
228  SIGYINIT024          1.16E+01
229  SIGYINIT025          1.16E+01
230  SIGYINIT026          1.16E+01
231  SIGYINIT027          1.16E+01
232  SIGYINIT028          1.16E+01
233  SIGYINIT029          1.16E+01
234  SIGYINIT030          1.16E+01
235  SIGYINIT031          1.16E+01
236  SIGYINIT032          1.16E+01
237  SIGYINIT033          1.16E+01
     *
     * SIGZINIT, initial value of sigma-z for each of the plumes (meters)
238  SIGZINIT001          2.33E+01
239  SIGZINIT002          2.33E+01
240  SIGZINIT003          2.33E+01
241  SIGZINIT004          2.33E+01
242  SIGZINIT005          2.33E+01
243  SIGZINIT006          2.33E+01
244  SIGZINIT007          2.33E+01
245  SIGZINIT008          2.33E+01
246  SIGZINIT009          2.33E+01
247  SIGZINIT010          2.33E+01
248  SIGZINIT011          2.33E+01
249  SIGZINIT012          2.33E+01
250  SIGZINIT013          2.33E+01
251  SIGZINIT014          2.33E+01
252  SIGZINIT015          2.33E+01
253  SIGZINIT016          2.33E+01
254  SIGZINIT017          2.33E+01
255  SIGZINIT018          2.33E+01
256  SIGZINIT019          2.33E+01
257  SIGZINIT020          2.33E+01
258  SIGZINIT021          2.33E+01
259  SIGZINIT022          2.33E+01
260  SIGZINIT023          2.33E+01
261  SIGZINIT024          2.33E+01
262  SIGZINIT025          2.33E+01
263  SIGZINIT026          2.33E+01
```

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264  SIGZINIT027          2.33E+01
265  SIGZINIT028          2.33E+01
266  SIGZINIT029          2.33E+01
267  SIGZINIT030          2.33E+01
268  SIGZINIT031          2.33E+01
269  SIGZINIT032          2.33E+01
270  SIGZINIT033          2.33E+01
     *
     * ATNAM2, specific descriptive text describing this particular source term
271  RDATNAM2001          'Peach Bottom source term for long term station blackout.'
     *
     * OALARM, time after accident initiation that off-site alarm is initiated (sec)
272  RDOALARM001          0.
     *
     * Form 'Plume Parameters' Comment:
     * These values come from MELMACCS.
     *
     * NUMREL, number of plumes
273  RDNUMREL001          33
     *
     * MAXRIS, selection of risk-dominant plume segment
274  RDMAXRIS001          2
     *
     * REFTIM, representative time point for dispersion and radioactive decay
275  RDREFTIM001          0.
276  RDREFTIM002          0.5
277  RDREFTIM003          0.5
278  RDREFTIM004          0.5
279  RDREFTIM005          0.5
280  RDREFTIM006          0.5
281  RDREFTIM007          0.5
282  RDREFTIM008          0.5
283  RDREFTIM009          0.5
284  RDREFTIM010          0.5
285  RDREFTIM011          0.5
286  RDREFTIM012          0.5
287  RDREFTIM013          0.5
288  RDREFTIM014          0.5
289  RDREFTIM015          0.5
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290  RDREFTIM016      0.5
291  RDREFTIM017      0.5
292  RDREFTIM018      0.5
293  RDREFTIM019      0.5
294  RDREFTIM020      0.5
295  RDREFTIM021      0.5
296  RDREFTIM022      0.5
297  RDREFTIM023      0.5
298  RDREFTIM024      0.5
299  RDREFTIM025      0.5
300  RDREFTIM026      0.5
301  RDREFTIM027      0.5
302  RDREFTIM028      0.5
303  RDREFTIM029      0.5
304  RDREFTIM030      0.5
305  RDREFTIM031      0.5
306  RDREFTIM032      0.5
307  RDREFTIM033      0.5
     *
     * PLM_DEN, plume rise model density
308  RDPLMMOD001      DENSITY
     *
     * Form 'Density and Flow' Comment:
     * Come in thru MELMACCS.
     *
     * PLMFLO, Heat by Density
309  RDPLMFLA001      4.8446E+00
310  RDPLMFLA002      9.3603E-01
311  RDPLMFLA003      5.0718E-01
312  RDPLMFLA004      1.4359E+00
313  RDPLMFLA005      4.2433E-02
314  RDPLMFLA006      1.4478E+00
315  RDPLMFLA007      1.0053E-02
316  RDPLMFLA008      2.4907E-01
317  RDPLMFLA009      9.8491E-01
318  RDPLMFLA010      1.1875E+00
319  RDPLMFLA011      3.5483E-02
320  RDPLMFLA012      1.3572E+00
321  RDPLMFLA013      3.6395E-02
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322  RDPLMFLA014      2.7675E+00
323  RDPLMFLA015      7.7692E-01
324  RDPLMFLA016      1.3243E+00
325  RDPLMFLA017      5.6939E-02
326  RDPLMFLA018      1.0898E+01
327  RDPLMFLA019      3.2192E-02
328  RDPLMFLA020      8.4988E-01
329  RDPLMFLA021      2.3071E-02
330  RDPLMFLA022      2.6568E+00
331  RDPLMFLA023      2.1333E-01
332  RDPLMFLA024      5.1486E+01
333  RDPLMFLA025      2.9929E-01
334  RDPLMFLA026      3.4312E+01
335  RDPLMFLA027      1.9039E-01
336  RDPLMFLA028      1.8651E+01
337  RDPLMFLA029      1.0735E+01
338  RDPLMFLA030      6.7355E+00
339  RDPLMFLA031      4.4702E+00
340  RDPLMFLA032      3.2558E+00
341  RDPLMFLA033      1.1908E+01
     *
     * PLMDEN, Heat by Density
342  RDPLMDEN001      1.0004E+00
343  RDPLMDEN002      8.2614E-01
344  RDPLMDEN003      8.6137E-01
345  RDPLMDEN004      8.5056E-01
346  RDPLMDEN005      8.3718E-01
347  RDPLMDEN006      8.1687E-01
348  RDPLMDEN007      6.6674E-01
349  RDPLMDEN008      8.1679E-01
350  RDPLMDEN009      8.2284E-01
351  RDPLMDEN010      8.0844E-01
352  RDPLMDEN011      8.0343E-01
353  RDPLMDEN012      7.8978E-01
354  RDPLMDEN013      7.7889E-01
355  RDPLMDEN014      7.4701E-01
356  RDPLMDEN015      7.3552E-01
357  RDPLMDEN016      7.3446E-01
358  RDPLMDEN017      6.7869E-01
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359  RDPLMDEN018      6.1269E-01
360  RDPLMDEN019      5.8248E-01
361  RDPLMDEN020      6.0581E-01
362  RDPLMDEN021      6.2057E-01
363  RDPLMDEN022      6.5393E-01
364  RDPLMDEN023      5.4719E-01
365  RDPLMDEN024      5.4894E-01
366  RDPLMDEN025      5.595E-01
367  RDPLMDEN026      5.6782E-01
368  RDPLMDEN027      5.6994E-01
369  RDPLMDEN028      5.7468E-01
370  RDPLMDEN029      5.9097E-01
371  RDPLMDEN030      6.0607E-01
372  RDPLMDEN031      6.2116E-01
373  RDPLMDEN032      6.3655E-01
374  RDPLMDEN033      6.5244E-01
     *
     * BRGSMD, Briggs plume rise model
375  RDBRGSMD001      IMPROVED
     *
     * PLHITE, height of each plume segment at release (meters)
376  RDPLHITE001      3.964E+01
377  RDPLHITE002      3.964E+01
378  RDPLHITE003      3.964E+01
379  RDPLHITE004      3.964E+01
380  RDPLHITE005      3.964E+01
381  RDPLHITE006      3.964E+01
382  RDPLHITE007      3.968E+01
383  RDPLHITE008      3.964E+01
384  RDPLHITE009      3.964E+01
385  RDPLHITE010      3.964E+01
386  RDPLHITE011      3.964E+01
387  RDPLHITE012      3.964E+01
388  RDPLHITE013      3.964E+01
389  RDPLHITE014      3.964E+01
390  RDPLHITE015      3.964E+01
391  RDPLHITE016      3.964E+01
392  RDPLHITE017      3.964E+01
393  RDPLHITE018      3.964E+01
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394  RDPLHITE019      3.964E+01
395  RDPLHITE020      3.964E+01
396  RDPLHITE021      3.964E+01
397  RDPLHITE022      3.964E+01
398  RDPLHITE023      3.964E+01
399  RDPLHITE024      3.964E+01
400  RDPLHITE025      3.964E+01
401  RDPLHITE026      3.964E+01
402  RDPLHITE027      3.964E+01
403  RDPLHITE028      3.964E+01
404  RDPLHITE029      3.964E+01
405  RDPLHITE030      3.964E+01
406  RDPLHITE031      3.964E+01
407  RDPLHITE032      3.964E+01
408  RDPLHITE033      3.964E+01
     *
     * PLUDUR, duration of each plume segment (sec)
409  RDPLUDUR001      3.6001E+03
410  RDPLUDUR002      3.5999E+03
411  RDPLUDUR003      3.7799E+03
412  RDPLUDUR004      3.600E+03
413  RDPLUDUR005      3.780E+03
414  RDPLUDUR006      3.600E+03
415  RDPLUDUR007      6.66E+04
416  RDPLUDUR008      3.600E+03
417  RDPLUDUR009      3.5999E+03
418  RDPLUDUR010      3.6001E+03
419  RDPLUDUR011      3.780E+03
420  RDPLUDUR012      3.6001E+03
421  RDPLUDUR013      3.420E+03
422  RDPLUDUR014      3.5999E+03
423  RDPLUDUR015      3.600E+03
424  RDPLUDUR016      3.6E+03
425  RDPLUDUR017      3.6002E+03
426  RDPLUDUR018      3.6002E+03
427  RDPLUDUR019      3.5999E+03
428  RDPLUDUR020      3.5999E+03
429  RDPLUDUR021      3.6001E+03
430  RDPLUDUR022      3.5999E+03
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431  RDPLUDUR023      3.7801E+03
432  RDPLUDUR024      3.4201E+03
433  RDPLUDUR025      3.4199E+03
434  RDPLUDUR026      3.600E+03
435  RDPLUDUR027      3.600E+03
436  RDPLUDUR028      3.7801E+03
437  RDPLUDUR029      3.5998E+03
438  RDPLUDUR030      3.4201E+03
439  RDPLUDUR031      3.7799E+03
440  RDPLUDUR032      3.600E+03
441  RDPLUDUR033      2.520E+03
     *
     * PDELAY, time of release for each plume from xxxx (sec)
442  RDPDELAY001      9.2340E+04
443  RDPDELAY002      9.5940E+04
444  RDPDELAY003      9.8100E+04
445  RDPDELAY004      1.0188E+05
446  RDPDELAY005      1.0314E+05
447  RDPDELAY006      1.0548E+05
448  RDPDELAY007      1.062E+05
449  RDPDELAY008      1.0908E+05
450  RDPDELAY009      1.1268E+05
451  RDPDELAY010      1.1628E+05
452  RDPDELAY011      1.1754E+05
453  RDPDELAY012      1.1988E+05
454  RDPDELAY013      1.2132E+05
455  RDPDELAY014      1.2348E+05
456  RDPDELAY015      1.2708E+05
457  RDPDELAY016      1.3068E+05
458  RDPDELAY017      1.3194E+05
459  RDPDELAY018      1.3428E+05
460  RDPDELAY019      1.3554E+05
461  RDPDELAY020      1.3788E+05
462  RDPDELAY021      1.3914E+05
463  RDPDELAY022      1.4148E+05
464  RDPDELAY023      1.4274E+05
465  RDPDELAY024      1.4508E+05
466  RDPDELAY025      1.4652E+05
467  RDPDELAY026      1.485E+05
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 468  RDPDELAY027      1.4994E+05
 469  RDPDELAY028      1.521E+05
 470  RDPDELAY029      1.5588E+05
 471  RDPDELAY030      1.5948E+05
 472  RDPDELAY031      1.629E+05
 473  RDPDELAY032      1.6668E+05
 474  RDPDELAY033      1.7028E+05
     *
     * Form 'Particle Size Distribution' Comment:
     * Particle size distribution from MELMACCS.
     *
     * PSDIST, particle size distribution of each element group
 475  RDPSDIST001      1.E-01   1.E-01   1.E-01   1.E-01   1.E-01   1.E-01   1.E-01   1.E-01   1.E-01   1.E-01
 476  RDPSDIST002      5.5326E-03       9.1763E-02       3.5141E-01       3.3746E-01       1.6905E-01       4.0641E-02       4.0041E-03
          1.3125E-04       1.2499E-06       6.2861E-06
 477  RDPSDIST003      4.6138E-03       5.283E-02        1.7886E-01       3.4175E-01       3.2152E-01       9.1079E-02       9.0662E-03
          2.6298E-04       1.9923E-06       1.9647E-05
 478  RDPSDIST004      6.484E-03        5.8805E-02       2.1466E-01       3.7517E-01       2.6958E-01       6.8588E-02       6.5092E-03
          1.9809E-04       1.8001E-06       6.142E-06
 479  RDPSDIST005      3.749E-03        4.3158E-02       1.847E-01        3.7537E-01       3.0547E-01       7.98E-02         7.5111E-03       2.261E-
04        1.9832E-06       1.787E-05
 480  RDPSDIST006      3.5593E-03       2.8269E-02       1.3886E-01       3.7363E-01       3.4672E-01       9.8686E-02       9.956E-03
          2.9844E-04       2.6502E-06       1.5527E-05
 481  RDPSDIST007      5.8709E-03       1.0461E-01       3.9533E-01       3.2762E-01       1.3373E-01       2.9769E-02       2.9582E-03
          1.0311E-04       1.0597E-06       5.6821E-06
 482  RDPSDIST008      5.729E-03        7.2203E-02       2.3124E-01       3.2489E-01       2.7902E-01       7.874E-02        7.9228E-03
          2.3141E-04       1.7421E-06       2.1353E-05
 483  RDPSDIST009      5.8515E-03       9.6665E-02       3.5512E-01       3.2855E-01       1.6816E-01       4.1352E-02       4.1537E-03       1.322E-
04        1.1311E-06       9.9351E-06
     *
     * CORINV, inventory of each radionuclide present in the facility at the time of accident initiation (becquerels)
 484  RDCORINV001      Kr-85    3.7892E+16
 485  RDCORINV002      Kr-85m   1.0276E+18
 486  RDCORINV003      Kr-87    2.0541E+18
 487  RDCORINV004      Kr-88    2.7678E+18
 488  RDCORINV005      Xe-133   7.0222E+18
 489  RDCORINV006      Xe-135   2.5817E+18
 490  RDCORINV007      Xe-135m          1.4263E+18
 491  RDCORINV008      Cs-134   3.6053E+17
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492	RDCORINV009	Cs-136	1.4251E+17
493	RDCORINV010	Cs-137	3.736E+17
494	RDCORINV011	Rb-86	4.3776E+15
495	RDCORINV012	Rb-88	2.8023E+18
496	RDCORINV013	Ba-139	6.4806E+18
497	RDCORINV014	Ba-140	6.2682E+18
498	RDCORINV015	Sr-89	3.7891E+18
499	RDCORINV016	Sr-90	2.9774E+17
500	RDCORINV017	Sr-91	4.7683E+18
501	RDCORINV018	Sr-92	5.0185E+18
502	RDCORINV019	Ba-137m	3.5451E+17
503	RDCORINV020	I-131	3.3804E+18
504	RDCORINV021	I-132	4.9904E+18
505	RDCORINV022	I-133	7.151E+18
506	RDCORINV023	I-134	8.1378E+18
507	RDCORINV024	I-135	6.8047E+18
508	RDCORINV025	Te-127	2.7121E+17
509	RDCORINV026	Te-127m	4.3287E+16
510	RDCORINV027	Te-129	8.1719E+17
511	RDCORINV028	Te-129m	1.5536E+17
512	RDCORINV029	Te-131m	6.0254E+17
513	RDCORINV030	Te-132	4.8465E+18
514	RDCORINV031	Te-131	2.8939E+18
515	RDCORINV032	Rh-105	2.7675E+18
516	RDCORINV033	Ru-103	4.8281E+18
517	RDCORINV034	Ru-105	3.026E+18
518	RDCORINV035	Ru-106	1.3066E+18
519	RDCORINV036	Rh-103m	4.823E+18
520	RDCORINV037	Rh-106	1.4354E+18
521	RDCORINV038	Nb-95	6.0651E+18
522	RDCORINV039	Co-58	0.E+00
523	RDCORINV040	Co-60	0.E+00
524	RDCORINV041	Mo-99	6.5201E+18
525	RDCORINV042	Tc-99m	5.8346E+18
526	RDCORINV043	Nb-97	6.1131E+18
527	RDCORINV044	Nb-97m	5.7703E+18
528	RDCORINV045	Ce-141	5.8901E+18
529	RDCORINV046	Ce-143	5.6411E+18
530	RDCORINV047	Ce-144	4.19E+18

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531  RDCORINV048      Np-239   5.6125E+19
532  RDCORINV049      Pu-238   6.7758E+15
533  RDCORINV050      Pu-239   1.3674E+15
534  RDCORINV051      Pu-240   1.1327E+15
535  RDCORINV052      Pu-241   3.8675E+17
536  RDCORINV053      Zr-95    6.1084E+18
537  RDCORINV054      Zr-97    6.0819E+18
538  RDCORINV055      Am-241   5.2323E+14
539  RDCORINV056      Cm-242   9.5705E+16
540  RDCORINV057      Cm-244   4.704E+15
541  RDCORINV058      La-140   6.4799E+18
542  RDCORINV059      La-141   5.8601E+18
543  RDCORINV060      La-142   5.7037E+18
544  RDCORINV061      Nd-147   2.3185E+18
545  RDCORINV062      Pr-143   5.5472E+18
546  RDCORINV063      Y-90     3.0337E+17
547  RDCORINV064      Y-91     4.8198E+18
548  RDCORINV065      Y-92     5.0524E+18
549  RDCORINV066      Y-93     5.5777E+18
550  RDCORINV067      Y-91m    2.7523E+18
551  RDCORINV068      Pr-144   4.197E+18
552  RDCORINV069      Pr-144m  5.852E+16
   *
   * Form 'Inventory Scale Factor' Comment:
   * Set by MELMACCS.
   *
   * CORSCA, scaling factor to adjust the core inventory
553  RDCORSCA001      1.0
   *
   * APLFRC, Specifies how release fractions are applied to daughter ingrowth products
554  RDAPLFRC001      PARENT
   *
   * GRPNAM, user assigned name of each chemical group.  May have been imported from MelMACCS
   *ISGRPNAM001      Xe
   *ISGRPNAM002      Cs
   *ISGRPNAM003      Ba
   *ISGRPNAM004      I
   *ISGRPNAM005      Te
   *ISGRPNAM006      Ru
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*ISGRPNAM007        Mo
*ISGRPNAM008        Ce
*ISGRPNAM009        La
*
* Form 'Release Fractions' Comment:
* Come in thru MELMACCS.
*
* RELFRC, release fractions for each of the plume segments for each chemical group
555 RDRELFRC001     6.8152E-02      2.0922E-05      4.9449E-07      1.5161E-04      2.1696E-05      1.0605E-07      2.7544E-06
        2.7527E-12      2.7907E-12
556 RDRELFRC002     3.6161E-02      1.3126E-05      1.8635E-07      1.4077E-04      1.5702E-05      4.7924E-08      1.0442E-06
        1.2187E-12      1.2424E-12
557 RDRELFRC003     1.4112E-02      3.4211E-06      4.935E-08       4.1667E-05      6.215E-06       9.1663E-09      1.9296E-07
        2.3731E-13      2.4229E-13
558 RDRELFRC004     4.7636E-02      1.0132E-05      1.4465E-07      1.2758E-04      1.9971E-05      2.417E-08       5.0486E-07
        6.3143E-13      6.45E-13
559 RDRELFRC005     1.5929E-03      3.1663E-07      4.5004E-09      4.025E-06       6.3842E-07      7.2748E-10      1.5179E-08
        1.9072E-14      1.9485E-14
560 RDRELFRC006     5.6012E-02      1.001E-05       1.4145E-07      1.2846E-04      2.0652E-05      2.2069E-08      4.6113E-07
        5.8118E-13      5.9386E-13
561 RDRELFRC007     3.0349E-03      1.6873E-05      1.971E-06       2.9927E-05      2.7371E-05      2.479E-08       3.6077E-06
        2.1432E-08      6.172E-09
562 RDRELFRC008     1.0012E-02      1.531E-06       2.154E-08       1.9764E-05      3.2074E-06      3.2777E-09      6.8796E-08
        8.6654E-14      8.8552E-14
563 RDRELFRC009     3.9441E-02      5.2014E-06      7.4008E-08      6.7238E-05      1.1076E-05      1.1044E-08      2.3247E-07
        2.9237E-13      2.9878E-13
564 RDRELFRC010     4.7503E-02      5.714E-06       1.1983E-07      7.4262E-05      1.6956E-05      1.1715E-08      2.4935E-07
        3.1122E-13      3.1804E-13
565 RDRELFRC011     1.4869E-03      1.807E-07       4.8432E-09      2.3556E-06      6.5188E-07      3.6295E-10      7.7725E-09
        9.6576E-15      9.8693E-15
566 RDRELFRC012     5.3311E-02      6.8633E-06      3.4727E-07      9.021E-05       4.1524E-05      1.2943E-08      2.8286E-07      3.464E-
13      3.541E-13
567 RDRELFRC013     1.3342E-03      1.7187E-07      1.1771E-08      2.2645E-06      1.3441E-06      3.1315E-10      6.9676E-09
        8.4728E-15      8.6697E-15
568 RDRELFRC014     1.0041E-01      1.4508E-05      2.681E-06       1.8459E-04      1.8755E-04      2.3489E-08      6.5643E-07
        8.3131E-13      8.6676E-13
569 RDRELFRC015     2.5333E-02      7.8182E-06      3.6487E-06      9.0973E-05      1.416E-04       7.4454E-09      4.2979E-07
        6.1315E-13      6.608E-13
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570 RDRELFRC016 3.9212E-02 2.6262E-05 1.2346E-05 3.1956E-04 4.5446E-04 1.4822E-08 1.2033E-06
1.8095E-12 1.9674E-12
571 RDRELFRC017 1.2319E-03 4.0993E-06 1.0804E-06 2.7177E-05 3.4116E-05 1.1341E-08 3.5307E-07
2.8463E-09 1.9805E-10
572 RDRELFRC018 1.7698E-01 1.8196E-03 4.1651E-04 7.3905E-03 8.5075E-03 5.765E-06 1.5941E-04
2.7258E-06 2.7021E-07
573 RDRELFRC019 3.8387E-04 7.4223E-06 1.641E-06 2.4447E-05 2.6798E-05 2.431E-08 6.5093E-07
1.3017E-08 1.3498E-09
574 RDRELFRC020 4.6962E-03 1.653E-04 4.4073E-05 4.6135E-04 4.5389E-04 6.6017E-07 1.7501E-05
4.0574E-07 5.4399E-08
575 RDRELFRC021 1.1847E-04 4.6628E-06 1.244E-06 1.258E-05 1.2311E-05 1.9595E-08 5.6354E-07
1.1536E-08 1.5855E-09
576 RDRELFRC022 1.0651E-02 5.325E-04 1.7839E-04 1.3541E-03 1.2424E-03 2.1641E-06 8.1326E-05
2.0288E-06 2.3346E-07
577 RDRELFRC023 3.395E-04 2.0826E-05 6.237E-06 5.0276E-05 3.8854E-05 5.6771E-08 3.9485E-06
8.3922E-08 1.0455E-08
578 RDRELFRC024 2.8506E-02 2.8687E-03 6.0614E-04 5.3315E-03 3.6873E-03 4.4662E-06 6.4547E-04
8.9384E-06 1.4021E-06
579 RDRELFRC025 1.5579E-05 1.2458E-05 1.201E-06 1.1239E-05 6.1358E-06 3.3267E-09 3.3528E-06
2.2405E-08 5.8277E-09
580 RDRELFRC026 9.6154E-04 1.7665E-03 1.0507E-04 1.0608E-03 5.3961E-04 2.7593E-07 4.8902E-04
2.2099E-06 8.1817E-07
581 RDRELFRC027 2.9504E-06 1.1293E-05 2.7395E-07 4.9378E-06 2.3732E-06 6.8363E-10 3.1839E-06
7.4118E-09 4.5513E-09
582 RDRELFRC028 2.2399E-04 1.5619E-03 1.6649E-05 4.8311E-04 2.4025E-04 4.2428E-08 4.454E-04
5.8418E-07 4.7703E-07
583 RDRELFRC029 1.4454E-04 1.2613E-03 9.7003E-06 3.6993E-04 1.7112E-04 2.4834E-08 3.602E-04
4.6407E-07 4.071E-07
584 RDRELFRC030 1.1247E-04 1.0005E-03 4.5543E-06 3.0553E-04 1.3492E-04 1.8365E-08 2.8553E-04
3.8977E-07 3.66E-07
585 RDRELFRC031 1.0687E-04 8.9564E-04 2.7248E-06 2.9092E-04 1.2978E-04 1.6689E-08 2.5529E-04
4.0406E-07 3.9184E-07
586 RDRELFRC032 9.346E-05 6.357E-04 1.9973E-06 2.3885E-04 1.1789E-04 1.3787E-08 1.8057E-04 3.408E-
07 3.3212E-07
587 RDRELFRC033 7.0691E-05 4.1765E-04 1.361E-06 1.8689E-04 9.1102E-05 1.0007E-08 1.1807E-04
1.7669E-07 1.7065E-07
*
* ENDAT1, flag indicating whether only atmos is run
588 OCENDAT1001 .FALSE.

```
    *
    * IDEBUG, specifies set of debug results to report
589  OCIDEBUG001       0
    *
    * NUCOUT, name of the nuclide to be listed on the dispersion listings
590  OCNUCOUT001       Cs-137
    *
    * METCOD, meteorological sampling option code
591  M1METCOD001       2
    *
    * Form 'Boundary Limit' Comment:
    * From NUREG-1150.
    *
    * LIMSPA, last spatial interval for measured weather
592  M2LIMSPA001       25
    *
    * Form 'Constant or Boundary Conditions' Comment:
    * Stability class 5 is the most prevalent in the PB data.  2.2 is average speed data, and other values are from NUREG-1150 data.
    *
    * BNDMXH, boundary weather mixing layer height (meters)
593  M2BNDMXH001       1000.
    *
    * IBDSTB, boundary weather stability class index
594  M2IBDSTB001       4
    *
    * BNDRAN, boundary weather rain rate (mm/hr)
595  M2BNDRAN001       5.
    *
    * BNDWND, boundary weather wind speed (m/sec)
596  M2BNDWND001       2.2
    *
    * MAXHGT, if equal DAY_AND_NIGHT, then time of sunrise/sunset is used to calculate max mixing height. DAY_ONLY uses MACCS2 1.12 model
597  M1MAXHGT001       DAY_AND_NIGHT
    *
    * Form 'Site Location' Comment:
    * Consistent with PB site file.
    *
    * LATITUDE_DEG, LATITUDE_MIN, LATITUDE_SEC, indicates latitude of site, used with longitude
598  M1LATITU001       39.
```

```
    *
    * LATITU_MIN minutes portion of latitude
599  M1LATITU002        45.
    *
    * LATITU_SEC, seconds portion of latitude
600  M1LATITU003        32.
    *
    * LONGIT_DEG, LONGIT_MIN, LONGIT_SEC, indicates longitude of site, used with latitude
601  M1LONGIT001        76.
    *
    * LONGIT_MIN, minutes portion of longitude
602  M1LONGIT002        16.
    *
    * LONGIT_SEC, seconds portion of longitude
603  M1LONGIT003        9.
    *
    * Form 'Rain Distances' Comment:
    * From NUREG-1150.
    *
    * NRNINT, number of rain distance intervals for binning
604  M4NRNINT001        5
    *
    * RNDSTS, endpoints of the rain distance intervals (km)
605  M4RNDSTS001        3.22
606  M4RNDSTS002        5.63
607  M4RNDSTS003        11.27
608  M4RNDSTS004        20.92
609  M4RNDSTS005        32.19
    *
    * Form 'Rain Intensities' Comment:
    * From NUREG-1150.
    *
    * NRINTN, number of rain intensity breakpoints
610  M4NRINTN001        3
    *
    * RNRATE, rain intensity breakpoints for weather binning (mm/hr)
611  M4RNRATE001        2.
612  M4RNRATE002        4.
613  M4RNRATE003        6.
```

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    *
    * IRSEED, initial seed for random number generator
614  M4IRSEED001        79
    *
    * Form 'Bins' Comment:
    * Minimum of 12 or 10% of samples in bin.
    *
    * NSBINS, number of bins to be sampled when NSMPLS = 0
615  M4NSBINS001        36
    *
    * INDXBN, INWGHT, number of weather sequences to be selected from specific weather bins
616  M4SMPLDF001        1          71
617  M4SMPLDF002        2          42
618  M4SMPLDF003        3          12
619  M4SMPLDF004        4          52
620  M4SMPLDF005        5          57
621  M4SMPLDF006        6          74
622  M4SMPLDF007        7          21
623  M4SMPLDF008        8          12
624  M4SMPLDF009        9          49
625  M4SMPLDF010        10         103
626  M4SMPLDF011        11         77
627  M4SMPLDF012        12         35
628  M4SMPLDF013        13         51
629  M4SMPLDF014        14         75
630  M4SMPLDF015        15         14
631  M4SMPLDF016        16         4
632  M4SMPLDF017        17         44
633  M4SMPLDF018        18         12
634  M4SMPLDF019        19         17
635  M4SMPLDF020        20         24
636  M4SMPLDF021        21         24
637  M4SMPLDF022        22         12
638  M4SMPLDF023        23         4
639  M4SMPLDF024        24         8
640  M4SMPLDF025        25         12
641  M4SMPLDF026        26         12
642  M4SMPLDF027        27         12
643  M4SMPLDF028        28         1
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 644  M4SMPLDF029      29        3
 645  M4SMPLDF030      30        5
 646  M4SMPLDF031      31        4
 647  M4SMPLDF032      32        12
 648  M4SMPLDF033      33        1
 649  M4SMPLDF034      34        7
 650  M4SMPLDF035      35        9
 651  M4SMPLDF036      36        12
    *
    * ATMOS_ZERO = 0
 652  TYPE0NUMBER      0
    *
    * NUM0, number of results
 653  TYPE0NUMBER      14
********   RECORD NUMBER   653 REPLACES RECORD NUMBER   652   ********
    *
    * INDREL, INDRAD, CCDF, ATMOS release and spatial interval
 654  TYPE0OUT001      1         1         NONE
 655  TYPE0OUT002      1         2         NONE
 656  TYPE0OUT003      1         3         NONE
 657  TYPE0OUT004      1         4         NONE
 658  TYPE0OUT005      1         5         NONE
 659  TYPE0OUT006      1         6         NONE
 660  TYPE0OUT007      1         7         NONE
 661  TYPE0OUT008      1         8         NONE
 662  TYPE0OUT009      1         9         NONE
 663  TYPE0OUT010      1         10        NONE
 664  TYPE0OUT011      1         11        NONE
 665  TYPE0OUT012      1         12        NONE
 666  TYPE0OUT013      1         19        NONE
 667  TYPE0OUT014      1         21        NONE
    *
    * NUM_DIST2, used for Dispersion Power Law (always 0)
 668  NUM_DIST001      0
    *
    * NSMPLS2, used for non-uniform Bin Sampling (always 0)
 669  M4NSMPLS001      0
    .
******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********
```

USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ = 900
NUMBER OF BLANK OR COMMENT RECORDS READ = 230
NUMBER OF TERMINATOR RECORDS = 1
NUMBER OF RECORDS PROCESSED = 669
NUMBER OF PROCESSED RECORDS DUPLICATED = 2
NUMBER OF PROCESSED RECORDS SORTED = 667
****

Decay Chain # Ba-139

Decay Chain # Ba-140 La-140
Fraction of Ba-140 going to La-140 in this chain = 1.000000

Decay Chain # Ce-143 Pr-143
Fraction of Ce-143 going to Pr-143 in this chain = 1.000000

Decay Chain # Ce-144 Pr-144
Fraction of Ce-144 going to Pr-144 in this chain = 0.982200

Decay Chain # Ce-144 Pr-144m Pr-144
Fraction of Ce-144 going to Pr-144m in this chain = 0.017800
Fraction of Ce-144 going to Pr-144 in this chain = 0.017782
Fraction of Pr-144m going to Pr-144 in this chain = 0.999000

Decay Chain # Cm-242 Pu-238
Fraction of Cm-242 going to Pu-238 in this chain = 1.000000

Decay Chain # Cm-244 Pu-240
Fraction of Cm-244 going to Pu-240 in this chain = 1.000000

Decay Chain # Co-58

Decay Chain # Co-60

Decay Chain # Cs-134

Decay Chain # Cs-136

Decay Chain # Cs-137 Ba-137m
Fraction of Cs-137 going to Ba-137m in this chain = 0.946000

Decay Chain # I-133 Xe-133
Fraction of I-133 going to Xe-133 in this chain = 0.971000

Decay Chain # I-134

Decay Chain # I-135 Xe-135
Fraction of I-135 going to Xe-135 in this chain = 0.846000

Decay Chain # I-135 Xe-135m Xe-135
Fraction of I-135 going to Xe-135m in this chain = 0.154000
Fraction of I-135 going to Xe-135 in this chain = 0.153985
Fraction of Xe-135m going to Xe-135 in this chain = 0.999900

Decay Chain # Kr-85m Kr-85
Fraction of Kr-85m going to Kr-85 in this chain = 0.211000

Decay Chain # Kr-87

Decay Chain # Kr-88 Rb-88
Fraction of Kr-88 going to Rb-88 in this chain = 1.000000

Decay Chain # La-141 Ce-141
Fraction of La-141 going to Ce-141 in this chain = 1.000000

Decay Chain # La-142

Decay Chain # Mo-99 Tc-99m
Fraction of Mo-99 going to Tc-99m in this chain = 0.876000

Decay Chain # Nd-147

Decay Chain # Np-239 Pu-239
Fraction of Np-239 going to Pu-239 in this chain = 1.000000

Decay Chain # Pu-241 Am-241
Fraction of Pu-241 going to Am-241 in this chain = 1.000000

Decay Chain # Rb-86

Decay Chain # Ru-103 Rh-103m
Fraction of Ru-103 going to Rh-103m in this chain = 0.997000

Decay Chain # Ru-105 Rh-105
Fraction of Ru-105 going to Rh-105 in this chain = 1.000000

Decay Chain # Ru-106 Rh-106
Fraction of Ru-106 going to Rh-106 in this chain = 1.000000

Decay Chain # Sr-89

Decay Chain # Sr-90 Y-90
Fraction of Sr-90 going to Y-90 in this chain = 1.000000

Decay Chain # Sr-91 Y-91
Fraction of Sr-91 going to Y-91 in this chain = 0.422000

Decay Chain # Sr-91 Y-91m Y-91
Fraction of Sr-91 going to Y-91m in this chain = 0.578000
Fraction of Sr-91 going to Y-91 in this chain = 0.578000
Fraction of Y-91m going to Y-91 in this chain = 1.000000

Decay Chain # Sr-92 Y-92
Fraction of Sr-92 going to Y-92 in this chain = 1.000000

Decay Chain # Te-127m Te-127
Fraction of Te-127m going to Te-127 in this chain = 0.976000

Decay Chain # Te-129m Te-129
Fraction of Te-129m going to Te-129 in this chain = 0.650000

Decay Chain # Te-131m I-131
Fraction of Te-131m going to I-131 in this chain = 0.778000

Decay Chain # Te-131m Te-131 I-131
Fraction of Te-131m going to Te-131 in this chain = 0.222000
Fraction of Te-131m going to I-131 in this chain = 0.222000
Fraction of Te-131 going to I-131 in this chain = 1.000000

Decay Chain # Te-132 I-132
Fraction of Te-132 going to I-132 in this chain = 1.000000

Decay Chain # Y-93

Decay Chain # Zr-95 Nb-95
Fraction of Zr-95 going to Nb-95 in this chain = 0.993000

Decay Chain # Zr-97 Nb-97
Fraction of Zr-97 going to Nb-97 in this chain = 0.053000

Decay Chain # Zr-97 Nb-97m Nb-97
Fraction of Zr-97 going to Nb-97m in this chain = 0.947000
Fraction of Zr-97 going to Nb-97 in this chain = 0.947000
Fraction of Nb-97m going to Nb-97 in this chain = 1.000000

Using distance dispersion model for sigma-y/sigma-z

Plume Meander model is OFF: EXPFAC = 1.0

for sigma-y

THE DENSITY PLUME BUOYANCY MODEL IS IN EFFECT

RELEASED INVENTORY OF ALL PLUMES

Rel # 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25

Kr-85 2.58E+15 1.37E+15 5.35E+14 1.81E+15 6.04E+13 2.12E+15 1.15E+14 3.79E+14 1.49E+15 1.80E+15 5.63E+13 2.02E+15 5.06E+13
3.80E+15 9.60E+14 1.49E+15 4.67E+13 6.71E+15 1.45E+13 1.78E+14 4.49E+12 4.04E+14 1.29E+13 1.08E+15 5.90E+11
Kr-85m 1.32E+15 5.57E+14 1.97E+14 5.68E+14 1.79E+13 5.72E+14 7.77E+12 8.77E+13 2.96E+14 3.05E+14 9.01E+12 2.93E+14 6.93E+12
4.73E+14 1.02E+14 1.36E+14 4.04E+12 5.25E+14 1.08E+12 1.19E+13 2.85E+11 2.32E+13 6.97E+11 5.33E+13 2.74E+10
Kr-87 1.19E+11 2.78E+10 7.71E+09 1.49E+10 4.06E+08 1.02E+10 4.19E+06 1.05E+09 2.40E+09 1.68E+09 4.28E+07 1.09E+09 2.23E+07
1.19E+09 1.74E+08 1.57E+08 4.06E+06 4.10E+08 7.34E+05 6.30E+06 1.31E+05 8.29E+06 2.15E+05 1.30E+07 5.73E+03
Kr-88 3.60E+14 1.33E+14 4.44E+13 1.17E+14 3.56E+12 1.08E+14 6.56E+11 1.51E+13 4.65E+13 4.39E+13 1.25E+12 3.86E+13 8.81E+11
5.69E+13 1.12E+13 1.36E+13 3.93E+11 4.82E+13 9.61E+10 1.00E+12 2.32E+10 1.78E+12 5.18E+10 3.76E+12 1.86E+09
Xe-133 4.16E+17 2.19E+17 8.51E+16 2.86E+17 9.53E+15 3.34E+17 1.72E+16 5.94E+16 2.33E+17 2.79E+17 8.70E+15 3.11E+17 7.76E+15
5.82E+17 1.46E+17 2.25E+17 7.07E+15 1.01E+18 2.20E+15 2.70E+16 6.80E+14 6.11E+16 1.95E+15 1.64E+17 9.56E+13
Xe-135 2.55E+16 1.21E+16 4.50E+15 1.40E+16 4.56E+14 1.53E+16 4.34E+14 2.53E+15 9.22E+15 1.03E+16 3.13E+14 1.07E+16 2.60E+14
1.87E+16 4.40E+15 6.44E+15 2.09E+14 3.10E+16 7.10E+13 9.31E+14 2.35E+13 2.15E+15 7.08E+13 6.32E+15 7.90E+12
Xe-135m 1.12E+13 8.90E+12 2.47E+12 6.79E+12 2.06E+11 6.15E+12 5.61E+11 8.52E+11 2.61E+12 2.60E+12 7.92E+10 2.84E+12 6.85E+10
5.23E+12 2.32E+12 7.35E+12 6.02E+11 1.53E+14 4.88E+11 8.60E+12 2.26E+11 2.27E+13 8.11E+11 8.08E+13 1.63E+11
Cs-134 7.54E+12 4.73E+12 1.23E+12 3.65E+12 1.14E+11 3.60E+12 6.07E+12 5.51E+11 1.87E+12 2.06E+12 6.51E+10 2.47E+12 6.19E+10
5.22E+12 2.81E+12 9.45E+12 1.48E+12 6.55E+14 2.67E+12 5.95E+13 1.68E+12 1.92E+14 7.50E+12 1.03E+15 4.48E+12
Cs-136 2.82E+12 1.76E+12 4.59E+11 1.36E+12 4.23E+10 1.34E+12 2.21E+12 2.04E+11 6.91E+11 7.57E+11 2.39E+10 9.08E+11 2.27E+10
1.91E+12 1.03E+12 3.45E+12 5.38E+11 2.39E+14 9.72E+11 2.16E+13 6.10E+11 6.95E+13 2.72E+12 3.74E+14 1.62E+12
Cs-137 7.82E+12 4.90E+12 1.28E+12 3.79E+12 1.18E+11 3.74E+12 6.30E+12 5.72E+11 1.94E+12 2.13E+12 6.75E+10 2.56E+12 6.42E+10
5.42E+12 2.92E+12 9.81E+12 1.53E+12 6.80E+14 2.77E+12 6.17E+13 1.74E+12 1.99E+14 7.78E+12 1.07E+15 4.65E+12
Rb-86 8.80E+10 5.51E+10 1.43E+10 4.24E+10 1.32E+09 4.18E+10 6.96E+10 6.39E+09 2.17E+10 2.38E+10 7.51E+08 2.85E+10 7.14E+08
6.02E+10 3.24E+10 1.09E+11 1.69E+10 7.51E+12 3.06E+10 6.81E+11 1.92E+10 2.19E+12 8.57E+10 1.18E+13 5.12E+10
Rb-88 4.02E+14 1.48E+14 4.96E+13 1.30E+14 3.98E+12 1.20E+14 7.33E+11 1.68E+13 5.19E+13 4.90E+13 1.40E+12 4.31E+13 9.84E+11
6.36E+13 1.26E+13 1.52E+13 4.39E+11 5.39E+13 1.07E+11 1.12E+12 2.59E+10 1.99E+12 5.79E+10 4.20E+12 2.08E+09
Ba-139 8.01E+06 1.42E+06 2.75E+05 4.81E+05 1.24E+04 2.84E+05 4.40E+04 2.62E+04 5.44E+04 5.33E+04 1.78E+03 9.34E+04 2.62E+03
4.36E+05 3.59E+05 7.34E+05 5.39E+04 1.50E+07 4.95E+04 9.59E+05 2.27E+04 2.35E+06 6.80E+04 4.89E+06 7.92E+03
Ba-140 2.92E+12 1.10E+12 2.90E+11 8.49E+11 2.64E+10 8.29E+11 1.13E+13 1.26E+11 4.32E+11 6.97E+11 2.82E+10 2.02E+12 6.83E+10
1.55E+13 2.11E+13 7.12E+13 6.23E+12 2.40E+15 9.43E+12 2.53E+14 7.14E+12 1.02E+15 3.57E+13 3.46E+15 6.86E+12
Sr-89 1.85E+12 6.95E+11 1.84E+11 5.39E+11 1.68E+10 5.27E+11 7.30E+12 8.02E+10 2.75E+11 4.46E+11 1.80E+10 1.29E+12 4.37E+10
9.96E+12 1.35E+13 4.58E+13 4.01E+12 1.54E+15 6.08E+12 1.63E+14 4.61E+12 6.61E+14 2.31E+13 2.24E+15 4.44E+12
Sr-90 1.47E+11 5.55E+10 1.47E+10 4.31E+10 1.34E+09 4.21E+10 5.87E+11 6.41E+09 2.20E+10 3.57E+10 1.44E+09 1.03E+11 3.50E+09
7.98E+11 1.09E+12 3.68E+12 3.22E+11 1.24E+14 4.89E+11 1.31E+13 3.70E+11 5.31E+13 1.86E+12 1.80E+14 3.58E+11
Sr-91 3.63E+11 1.23E+11 3.10E+10 8.44E+10 2.55E+09 7.67E+10 5.56E+11 1.09E+10 3.47E+10 5.22E+10 2.05E+09 1.41E+11 4.64E+09
1.01E+12 1.28E+12 4.02E+12 3.43E+11 1.26E+14 4.84E+11 1.24E+13 3.41E+11 4.66E+13 1.59E+12 1.48E+14 2.84E+11
Sr-92 3.51E+09 9.02E+08 2.04E+08 4.59E+08 1.30E+07 3.48E+08 4.91E+08 4.10E+07 1.09E+08 1.37E+08 5.02E+06 3.07E+08 9.44E+06
1.83E+09 1.93E+09 5.06E+09 4.05E+08 1.32E+11 4.76E+08 1.08E+10 2.80E+08 3.40E+10 1.08E+09 8.99E+10 1.61E+08
Ba-137m 7.39E+12 4.64E+12 1.21E+12 3.58E+12 1.12E+11 3.54E+12 5.96E+12 5.41E+11 1.84E+12 2.02E+12 6.39E+10 2.43E+12 6.07E+10
5.13E+12 2.76E+12 9.28E+12 1.45E+12 6.43E+14 2.62E+12 5.84E+13 1.65E+12 1.88E+14 7.36E+12 1.01E+15 4.40E+12

I-131 4.68E+14 4.32E+14 1.28E+14 3.90E+14 1.23E+13 3.91E+14 8.96E+13 6.00E+13 2.03E+14 2.24E+14 7.10E+12 2.72E+14 6.84E+12
5.61E+14 2.78E+14 9.72E+14 8.23E+13 2.23E+16 7.36E+13 1.38E+15 3.76E+13 4.04E+15 1.49E+14 1.58E+16 3.31E+13
I-132 8.66E+13 6.18E+13 2.43E+13 7.73E+13 2.46E+12 7.93E+13 9.69E+13 1.22E+13 4.17E+13 6.33E+13 2.43E+12 1.54E+14 4.96E+12
6.88E+14 5.15E+14 1.64E+15 1.23E+14 3.04E+16 9.54E+13 1.61E+15 4.34E+13 4.36E+15 1.36E+14 1.28E+16 2.13E+13
I-133 4.61E+14 4.07E+14 1.18E+14 3.49E+14 1.09E+13 3.40E+14 5.88E+13 5.06E+13 1.67E+14 1.78E+14 5.58E+12 2.09E+14 5.18E+12
4.14E+14 1.97E+14 6.70E+14 5.64E+13 1.50E+16 4.90E+13 9.05E+14 2.44E+13 2.57E+15 9.43E+13 9.80E+15 2.04E+13
I-134 1.92E+06 5.45E+05 9.84E+04 1.34E+05 3.14E+03 6.12E+04 1.20E+01 4.27E+03 6.59E+03 3.30E+03 7.78E+01 1.82E+03 3.39E+01
1.69E+03 3.77E+02 6.01E+02 3.87E+01 6.30E+03 1.58E+01 1.78E+02 3.69E+00 2.37E+02 6.55E+00 4.33E+02 6.65E-01
I-135 7.00E+13 5.56E+13 1.54E+13 4.24E+13 1.28E+12 3.84E+13 3.50E+12 5.32E+12 1.63E+13 1.62E+13 4.94E+11 1.77E+13 4.28E+11
3.27E+13 1.45E+13 4.59E+13 3.76E+12 9.55E+14 3.05E+12 5.37E+13 1.41E+12 1.42E+14 5.06E+12 5.04E+14 1.02E+12
Te-127 1.66E+12 1.14E+12 4.43E+11 1.38E+12 4.37E+10 1.39E+12 1.50E+12 2.10E+11 7.06E+11 1.05E+12 4.01E+10 2.52E+12 8.09E+10
1.11E+13 8.23E+12 2.59E+13 1.93E+12 4.75E+14 1.49E+12 2.49E+13 6.71E+11 6.70E+13 2.08E+12 1.96E+14 3.24E+11
Te-127m 9.33E+11 6.75E+11 2.67E+11 8.58E+11 2.74E+10 8.87E+11 1.17E+12 1.38E+11 4.75E+11 7.28E+11 2.80E+10 1.78E+12 5.77E+10
8.04E+12 6.07E+12 1.95E+13 1.46E+12 3.65E+14 1.15E+12 1.94E+13 5.27E+11 5.32E+13 1.66E+12 1.58E+14 2.63E+11
Te-129 2.15E+12 1.55E+12 6.14E+11 1.97E+12 6.30E+10 2.04E+12 2.68E+12 3.16E+11 1.09E+12 1.67E+12 6.41E+10 4.08E+12 1.32E+11
1.84E+13 1.39E+13 4.45E+13 3.34E+12 8.33E+14 2.62E+12 4.44E+13 1.20E+12 1.21E+14 3.80E+12 3.60E+14 5.99E+11
Te-129m 3.30E+12 2.38E+12 9.43E+11 3.03E+12 9.67E+10 3.13E+12 4.11E+12 4.85E+11 1.67E+12 2.56E+12 9.84E+10 6.27E+12 2.03E+11
2.83E+13 2.13E+13 6.84E+13 5.13E+12 1.28E+15 4.03E+12 6.82E+13 1.85E+12 1.87E+14 5.83E+12 5.53E+14 9.20E+11
Te-131m 7.23E+12 5.05E+12 1.97E+12 6.19E+12 1.96E+11 6.25E+12 6.74E+12 9.49E+11 3.20E+12 4.79E+12 1.83E+11 1.15E+13 3.68E+11
5.06E+13 3.73E+13 1.17E+14 8.71E+12 2.14E+15 6.69E+12 1.12E+14 3.00E+12 2.98E+14 9.25E+12 8.66E+14 1.43E+12
Te-132 8.38E+13 5.98E+13 2.35E+13 7.50E+13 2.39E+12 7.69E+13 9.41E+13 1.18E+13 4.05E+13 6.14E+13 2.35E+12 1.49E+14 4.81E+12
6.68E+14 5.00E+14 1.59E+15 1.19E+14 2.95E+16 9.26E+13 1.56E+15 4.22E+13 4.23E+15 1.32E+14 1.25E+16 2.06E+13
Te-131 1.63E+12 1.14E+12 4.44E+11 1.39E+12 4.41E+10 1.41E+12 1.52E+12 2.14E+11 7.21E+11 1.08E+12 4.11E+10 2.58E+12 8.28E+10
1.14E+13 8.40E+12 2.63E+13 1.96E+12 4.82E+14 1.51E+12 2.51E+13 6.76E+11 6.72E+13 2.08E+12 1.95E+14 3.21E+11
Rh-105 2.05E+11 8.98E+10 1.70E+10 4.39E+10 1.31E+09 3.93E+10 3.71E+10 5.73E+09 1.89E+10 1.97E+10 6.06E+08 2.13E+10 5.12E+08
3.80E+10 1.18E+10 2.30E+10 1.75E+10 8.79E+12 3.68E+10 9.87E+11 2.91E+10 3.17E+12 8.27E+10 6.43E+12 4.75E+09
Ru-103 5.02E+11 2.27E+11 4.34E+10 1.14E+11 3.44E+09 1.04E+11 1.16E+11 1.55E+10 5.21E+10 5.52E+10 1.71E+09 6.10E+10 1.47E+09
1.11E+11 3.50E+10 6.97E+10 5.33E+10 2.71E+13 1.14E+11 3.10E+12 9.19E+10 1.01E+13 2.66E+11 2.09E+13 1.56E+10
Ru-105 5.85E+09 2.09E+09 3.63E+08 8.16E+08 2.32E+07 6.37E+08 1.77E+08 8.09E+07 2.33E+08 2.12E+08 6.19E+06 2.00E+08 4.57E+06
3.11E+08 8.42E+07 1.43E+08 1.04E+08 4.77E+10 1.91E+08 4.68E+09 1.31E+08 1.31E+10 3.24E+08 2.32E+10 1.63E+07
Ru-106 1.38E+11 6.25E+10 1.20E+10 3.15E+10 9.48E+08 2.88E+10 3.23E+10 4.27E+09 1.44E+10 1.53E+10 4.73E+08 1.69E+10 4.08E+08
3.06E+10 9.70E+09 1.93E+10 1.48E+10 7.51E+12 3.17E+10 8.60E+11 2.55E+10 2.82E+12 7.39E+10 5.82E+12 4.33E+09
Rh-103m 5.01E+11 2.26E+11 4.33E+10 1.14E+11 3.43E+09 1.04E+11 1.16E+11 1.54E+10 5.20E+10 5.51E+10 1.71E+09 6.08E+10 1.47E+09
1.10E+11 3.49E+10 6.95E+10 5.32E+10 2.70E+13 1.14E+11 3.09E+12 9.17E+10 1.01E+13 2.66E+11 2.09E+13 1.56E+10
Rh-106 1.38E+11 6.25E+10 1.20E+10 3.15E+10 9.48E+08 2.88E+10 3.23E+10 4.27E+09 1.44E+10 1.53E+10 4.73E+08 1.69E+10 4.08E+08
3.06E+10 9.70E+09 1.93E+10 1.48E+10 7.51E+12 3.17E+10 8.60E+11 2.55E+10 2.82E+12 7.39E+10 5.82E+12 4.33E+09
Nb-95 1.64E+13 6.19E+12 1.14E+12 2.99E+12 8.99E+10 2.73E+12 2.12E+13 4.07E+11 1.37E+12 1.47E+12 4.59E+10 1.67E+12 4.11E+10
3.87E+12 2.53E+12 7.08E+12 2.08E+12 9.38E+14 3.83E+12 1.03E+14 3.31E+12 4.78E+14 2.32E+13 3.79E+15 1.97E+13

Co-58 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Co-60 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
Mo-99 1.37E+13 5.12E+12 9.40E+11 2.43E+12 7.28E+10 2.20E+12 1.57E+13 3.25E+11 1.09E+12 1.15E+12 3.58E+10 1.29E+12 3.17E+10
2.97E+12 1.92E+12 5.33E+12 1.56E+12 6.99E+14 2.84E+12 7.59E+13 2.44E+12 3.49E+14 1.69E+13 2.74E+15 1.42E+13
Tc-99m 1.32E+13 4.91E+12 9.02E+11 2.34E+12 7.00E+10 2.11E+12 1.51E+13 3.12E+11 1.04E+12 1.11E+12 3.44E+10 1.24E+12 3.05E+10
2.86E+12 1.85E+12 5.13E+12 1.50E+12 6.73E+14 2.74E+12 7.31E+13 2.34E+12 3.36E+14 1.63E+13 2.64E+15 1.37E+13
Nb-97 1.27E+07 3.64E+06 6.29E+05 1.46E+06 4.24E+04 1.22E+06 2.87E+10 1.69E+05 5.36E+05 5.41E+05 1.65E+04 5.74E+05 1.38E+04
1.32E+06 9.28E+05 2.63E+06 4.06E+09 3.79E+12 1.78E+10 5.42E+11 1.52E+10 2.60E+12 1.06E+11 1.10E+13 2.71E+10
Nb-97m 5.54E+06 2.31E+06 4.38E+05 1.12E+06 3.32E+04 9.87E+05 2.52E+10 1.41E+05 4.57E+05 4.67E+05 1.43E+04 4.99E+05 1.20E+04
1.15E+06 8.14E+05 2.31E+06 3.58E+09 3.33E+12 1.57E+10 4.76E+11 1.34E+10 2.29E+12 9.31E+10 9.68E+12 2.39E+10
Ce-141 1.59E+07 7.04E+06 1.37E+06 3.64E+06 1.10E+05 3.35E+06 1.22E+11 4.99E+05 1.68E+06 1.79E+06 5.55E+04 1.99E+06 4.87E+04
4.77E+06 3.52E+06 1.04E+07 1.62E+10 1.55E+13 7.42E+10 2.31E+12 6.57E+10 1.15E+13 4.77E+11 5.08E+13 1.27E+11
Ce-143 9.06E+06 3.89E+06 7.47E+05 1.95E+06 5.83E+04 1.75E+06 5.36E+10 2.56E+05 8.46E+05 8.82E+05 2.71E+04 9.61E+05 2.33E+04
2.26E+06 1.63E+06 4.71E+06 7.36E+09 6.95E+12 3.30E+10 1.01E+12 2.86E+10 4.96E+12 2.04E+11 2.14E+13 5.32E+10
Ce-144 1.15E+07 5.09E+06 9.92E+05 2.64E+06 7.97E+04 2.43E+06 8.94E+10 3.62E+05 1.22E+06 1.30E+06 4.03E+04 1.45E+06 3.54E+04
3.47E+06 2.56E+06 7.55E+06 1.19E+10 1.14E+13 5.43E+10 1.69E+12 4.81E+10 8.47E+12 3.50E+11 3.73E+13 9.35E+10
Np-239 1.13E+08 4.90E+07 9.47E+06 2.49E+07 7.48E+05 2.26E+07 7.48E+11 3.33E+06 1.11E+07 1.17E+07 3.61E+05 1.28E+07 3.13E+05
3.04E+07 2.22E+07 6.47E+07 1.01E+11 9.62E+13 4.58E+11 1.41E+13 4.01E+11 6.99E+13 2.88E+12 3.04E+14 7.59E+11
Pu-238 1.87E+04 8.26E+03 1.61E+03 4.28E+03 1.29E+02 3.94E+03 1.45E+08 5.87E+02 1.98E+03 2.11E+03 6.55E+01 2.35E+03 5.74E+01
5.64E+03 4.16E+03 1.23E+04 1.93E+07 1.85E+10 8.82E+07 2.75E+09 7.82E+07 1.37E+10 5.69E+08 6.06E+10 1.52E+08
Pu-239 3.78E+03 1.67E+03 3.26E+02 8.66E+02 2.62E+01 7.97E+02 2.94E+07 1.19E+02 4.01E+02 4.27E+02 1.33E+01 4.75E+02 1.16E+01
1.14E+03 8.42E+02 2.48E+03 3.91E+06 3.74E+09 1.79E+07 5.57E+08 1.58E+07 2.79E+09 1.15E+08 1.23E+10 3.08E+07
Pu-240 3.12E+03 1.38E+03 2.69E+02 7.15E+02 2.16E+01 6.58E+02 2.43E+07 9.82E+01 3.31E+02 3.53E+02 1.09E+01 3.92E+02 9.60E+00
9.42E+02 6.95E+02 2.05E+03 3.22E+06 3.09E+09 1.47E+07 4.60E+08 1.31E+07 2.30E+09 9.51E+07 1.01E+10 2.54E+07
Pu-241 1.06E+06 4.71E+05 9.18E+04 2.44E+05 7.37E+03 2.25E+05 8.29E+09 3.35E+04 1.13E+05 1.20E+05 3.73E+03 1.34E+05 3.28E+03
3.21E+05 2.37E+05 7.00E+05 1.10E+09 1.05E+12 5.03E+09 1.57E+11 4.46E+09 7.84E+11 3.24E+10 3.46E+12 8.66E+09
Zr-95 1.66E+07 7.35E+06 1.43E+06 3.81E+06 1.15E+05 3.50E+06 1.29E+11 5.22E+05 1.76E+06 1.87E+06 5.81E+04 2.08E+06 5.10E+04
5.00E+06 3.69E+06 1.09E+07 1.71E+10 1.64E+13 7.82E+10 2.44E+12 6.92E+10 1.22E+13 5.03E+11 5.36E+13 1.34E+11
Zr-97 5.85E+06 2.43E+06 4.62E+05 1.18E+06 3.51E+04 1.04E+06 2.66E+10 1.49E+05 4.83E+05 4.93E+05 1.51E+04 5.27E+05 1.27E+04
1.21E+06 8.59E+05 2.43E+06 3.77E+09 3.52E+12 1.66E+10 5.03E+11 1.41E+10 2.41E+12 9.82E+10 1.02E+13 2.52E+10
Am-241 1.47E+03 6.52E+02 1.27E+02 3.39E+02 1.02E+01 3.12E+02 3.29E+06 4.65E+01 1.57E+02 1.67E+02 5.19E+00 1.86E+02 4.56E+00
4.56E+02 3.47E+02 1.03E+03 1.11E+05 1.49E+08 7.41E+05 2.96E+07 8.62E+05 1.28E+08 5.71E+06 7.59E+08 3.11E+06
Cm-242 2.66E+05 1.18E+05 2.31E+04 6.14E+04 1.86E+03 5.65E+04 5.87E+08 8.43E+03 2.84E+04 3.03E+04 9.39E+02 3.37E+04 8.25E+02
8.24E+04 6.28E+04 1.87E+05 1.88E+07 2.57E+10 1.28E+08 5.17E+09 1.51E+08 2.22E+10 9.93E+08 1.33E+11 5.54E+08
Cm-244 1.31E+04 5.84E+03 1.14E+03 3.03E+03 9.16E+01 2.79E+03 2.90E+07 4.16E+02 1.41E+03 1.50E+03 4.64E+01 1.67E+03 4.08E+01
4.08E+03 3.11E+03 9.25E+03 9.31E+05 1.27E+09 6.35E+06 2.56E+08 7.46E+06 1.10E+09 4.92E+07 6.59E+09 2.74E+07

La-140	1.07E+12	4.22E+11	1.14E+11	3.42E+11	1.07E+10	3.43E+11	5.75E+12	5.35E+10	1.88E+11	3.11E+11	1.27E+10	9.21E+11	3.15E+10
	7.25E+12	1.01E+13	3.47E+13	3.06E+12	1.19E+15	4.73E+12	1.28E+14	3.65E+12	5.28E+14	1.86E+13	1.82E+15	3.65E+12	
La-141	1.77E+05	6.06E+04	1.06E+04	2.35E+04	6.65E+02	1.82E+04	3.89E+07	2.27E+03	6.42E+03	5.73E+03	1.66E+02	5.35E+03	1.23E+02
	1.10E+04	7.01E+03	1.75E+04	1.66E+06	2.01E+09	9.46E+06	3.40E+08	9.32E+06	1.22E+09	5.13E+07	6.19E+09	2.40E+07	
La-142	1.56E+02	3.54E+01	5.21E+00	8.75E+00	2.23E-01	5.14E+00	9.55E+02	4.89E-01	1.05E+00	7.15E-01	1.87E-02	5.07E-01	1.05E-02
	7.92E-01	3.85E-01	7.32E-01	6.29E+01	6.41E+04	2.74E+02	8.23E+03	2.05E+02	2.25E+04	8.53E+02	8.73E+04	3.03E+02	
Nd-147	6.05E+06	2.68E+06	5.22E+05	1.39E+06	4.18E+04	1.27E+06	1.29E+10	1.89E+05	6.37E+05	6.76E+05	2.10E+04	7.51E+05	1.84E+04
	1.83E+06	1.39E+06	4.14E+06	4.16E+08	5.67E+11	2.83E+09	1.14E+11	3.32E+09	4.87E+11	2.18E+10	2.92E+12	1.21E+10	
Pr-143	1.53E+07	6.80E+06	1.32E+06	3.52E+06	1.06E+05	3.24E+06	3.80E+10	4.83E+05	1.63E+06	1.73E+06	5.37E+04	1.92E+06	4.71E+04
	4.70E+06	3.57E+06	1.06E+07	1.86E+09	2.20E+12	1.08E+10	4.01E+11	1.16E+10	1.82E+12	7.93E+10	9.93E+12	3.67E+10	
Y-90	3.57E+10	1.41E+10	3.82E+09	1.15E+10	3.63E+08	1.16E+10	2.02E+11	1.82E+09	6.42E+09	1.07E+10	4.35E+08	3.17E+10	1.08E+09
	2.51E+11	3.49E+11	1.21E+12	1.07E+11	4.17E+13	1.66E+11	4.51E+12	1.28E+11	1.86E+13	6.57E+11	6.47E+13	1.30E+11	
Y-91	1.33E+10	5.10E+09	1.36E+09	4.03E+09	1.26E+08	3.98E+09	8.80E+10	6.12E+08	2.12E+09	3.46E+09	1.40E+08	1.01E+10	3.43E+08
	7.84E+10	1.07E+11	3.65E+11	3.29E+10	1.37E+13	5.52E+10	1.57E+12	4.47E+10	6.45E+12	2.37E+11	2.49E+13	6.37E+10	
Y-92	4.19E+10	1.21E+10	2.85E+09	6.93E+09	2.01E+08	5.64E+09	1.48E+10	7.15E+08	2.04E+09	2.74E+09	1.03E+08	6.60E+09	2.09E+08
	4.23E+10	4.77E+10	1.34E+11	1.10E+10	3.73E+12	1.38E+10	3.27E+11	8.64E+09	1.10E+12	3.57E+10	3.09E+12	5.69E+09	
Y-93	2.68E+06	1.08E+06	2.01E+05	4.98E+05	1.47E+04	4.29E+05	2.41E+09	5.97E+04	1.88E+05	1.87E+05	5.65E+03	1.94E+05	4.63E+03
	4.44E+05	3.16E+05	8.78E+05	8.63E+07	1.13E+11	5.49E+08	2.12E+10	6.02E+08	8.48E+10	3.70E+09	4.76E+11	1.93E+09	
Y-91m	2.30E+11	7.76E+10	1.96E+10	5.34E+10	1.62E+09	4.86E+10	3.52E+11	6.87E+09	2.20E+10	3.30E+10	1.30E+09	8.90E+10	2.94E+09
	6.39E+11	8.08E+11	2.54E+12	2.17E+11	7.98E+13	3.06E+11	7.85E+12	2.16E+11	2.95E+13	1.00E+12	9.34E+13	1.80E+11	
Pr-144	1.15E+07	5.09E+06	9.92E+05	2.64E+06	7.97E+04	2.43E+06	8.94E+10	3.62E+05	1.22E+06	1.30E+06	4.03E+04	1.45E+06	3.54E+04
	3.47E+06	2.56E+06	7.55E+06	1.19E+10	1.14E+13	5.43E+10	1.69E+12	4.81E+10	8.47E+12	3.50E+11	3.73E+13	9.35E+10	
Pr-144m	2.05E+05	9.06E+04	1.76E+04	4.70E+04	1.42E+03	4.32E+04	1.59E+09	6.44E+03	2.17E+04	2.31E+04	7.18E+02	2.57E+04	6.30E+02
	6.18E+04	4.56E+04	1.34E+05	2.11E+08	2.03E+11	9.67E+08	3.01E+10	8.57E+08	1.51E+11	6.23E+09	6.64E+11	1.66E+09	

Rel #	26	27	28	29	30	31	32	33
Kr-85	3.64E+13	1.12E+11	8.49E+12	5.48E+12	4.26E+12	4.05E+12	3.54E+12	2.68E+12
Kr-85m	1.55E+12	4.46E+09	3.07E+11	1.69E+11	1.13E+11	9.22E+10	6.88E+10	4.56E+10
Kr-87	2.59E+05	6.38E+02	3.44E+04	1.27E+04	5.81E+03	3.20E+03	1.60E+03	7.62E+02
Kr-88	9.99E+10	2.78E+08	1.81E+10	9.11E+09	5.59E+09	4.16E+09	2.83E+09	1.74E+09
Xe-133	6.16E+15	2.01E+13	1.61E+15	1.08E+15	8.51E+14	8.07E+14	6.92E+14	5.27E+14
Xe-135	6.62E+14	2.84E+12	2.60E+14	1.84E+14	1.42E+14	1.26E+14	9.74E+13	7.18E+13
Xe-135m	1.45E+13	6.48E+10	5.93E+12	4.08E+12	3.04E+12	2.61E+12	1.92E+12	1.38E+12
Cs-134	6.36E+14	4.06E+12	5.62E+14	4.54E+14	3.60E+14	3.22E+14	2.29E+14	1.50E+14
Cs-136	2.30E+14	1.47E+12	2.03E+14	1.63E+14	1.29E+14	1.15E+14	8.17E+13	5.36E+13
Cs-137	6.60E+14	4.22E+12	5.83E+14	4.71E+14	3.74E+14	3.35E+14	2.37E+14	1.56E+14
Rb-86	7.25E+12	4.63E+10	6.40E+12	5.16E+12	4.09E+12	3.65E+12	2.59E+12	1.70E+12
Rb-88	1.12E+11	3.11E+08	2.02E+10	1.02E+10	6.24E+09	4.64E+09	3.16E+09	1.94E+09
Ba-139	5.19E+05	1.11E+03	4.91E+04	1.71E+04	4.91E+03	1.78E+03	7.78E+02	3.46E+02

Ba-140	5.99E+14	1.56E+12	9.47E+13	5.51E+13	2.58E+13	1.54E+13	1.13E+13	7.66E+12
Sr-89	3.89E+14	1.01E+12	6.16E+13	3.58E+13	1.68E+13	1.01E+13	7.37E+12	5.02E+12
Sr-90	3.13E+13	8.16E+10	4.96E+12	2.89E+12	1.36E+12	8.11E+11	5.95E+11	4.05E+11
Sr-91	2.38E+13	6.03E+10	3.50E+12	1.89E+12	8.28E+11	4.60E+11	3.13E+11	2.01E+11
Sr-92	1.21E+10	2.86E+07	1.48E+09	6.64E+08	2.43E+08	1.13E+08	6.34E+07	3.48E+07
Ba-137m	6.24E+14	3.99E+12	5.52E+14	4.46E+14	3.54E+14	3.17E+14	2.25E+14	1.48E+14
I-131	3.12E+15	1.45E+13	1.41E+15	1.08E+15	8.87E+14	8.42E+14	6.90E+14	5.38E+14
I-132	1.86E+15	8.16E+12	8.21E+14	5.80E+14	4.53E+14	4.32E+14	3.89E+14	2.98E+14
I-133	1.89E+15	8.67E+12	8.31E+14	6.15E+14	4.91E+14	4.53E+14	3.59E+14	2.73E+14
I-134	3.98E+01	1.35E-01	8.06E+00	2.75E+00	1.05E+00	4.53E-01	1.65E-01	6.61E-02
I-135	9.06E+13	4.04E+11	3.71E+13	2.55E+13	1.90E+13	1.63E+13	1.20E+13	8.60E+12
Te-127	2.82E+13	1.23E+11	1.24E+13	8.69E+12	6.77E+12	6.43E+12	5.78E+12	4.42E+12
Te-127m	2.31E+13	1.02E+11	1.03E+13	7.32E+12	5.77E+12	5.55E+12	5.04E+12	3.89E+12
Te-129	5.26E+13	2.31E+11	2.34E+13	1.67E+13	1.31E+13	1.26E+13	1.15E+13	8.84E+12
Te-129m	8.09E+13	3.56E+11	3.60E+13	2.56E+13	2.02E+13	1.94E+13	1.76E+13	1.36E+13
Te-131m	1.24E+14	5.40E+11	5.39E+13	3.75E+13	2.89E+13	2.72E+13	2.41E+13	1.83E+13
Te-132	1.81E+15	7.92E+12	7.97E+14	5.62E+14	4.40E+14	4.19E+14	3.77E+14	2.89E+14
Te-131	2.79E+13	1.22E+11	1.21E+13	8.44E+12	6.50E+12	6.11E+12	5.42E+12	4.11E+12
Rh-105	3.90E+11	9.58E+08	5.87E+10	3.37E+10	2.44E+10	2.18E+10	1.76E+10	1.26E+10
Ru-103	1.29E+12	3.20E+09	1.99E+11	1.16E+11	8.58E+10	7.79E+10	6.43E+10	4.67E+10
Ru-105	1.23E+09	2.87E+06	1.62E+08	8.06E+07	5.12E+07	3.98E+07	2.80E+07	1.78E+07
Ru-106	3.59E+11	8.90E+08	5.53E+10	3.23E+10	2.39E+10	2.17E+10	1.79E+10	1.30E+10
Rh-103m	1.29E+12	3.19E+09	1.98E+11	1.16E+11	8.56E+10	7.78E+10	6.42E+10	4.66E+10
Rh-106	3.59E+11	8.90E+08	5.53E+10	3.23E+10	2.39E+10	2.17E+10	1.79E+10	1.30E+10
Nb-95	2.87E+15	1.87E+13	2.61E+15	2.11E+15	1.67E+15	1.49E+15	1.05E+15	6.89E+14
Co-58	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co-60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mo-99	2.06E+15	1.33E+13	1.85E+15	1.48E+15	1.16E+15	1.03E+15	7.20E+14	4.67E+14
Tc-99m	1.98E+15	1.28E+13	1.78E+15	1.43E+15	1.12E+15	9.91E+14	6.94E+14	4.50E+14
Nb-97	2.61E+12	8.62E+09	6.62E+11	5.05E+11	4.07E+11	4.05E+11	3.28E+11	1.64E+11
Nb-97m	2.30E+12	7.58E+09	5.83E+11	4.44E+11	3.58E+11	3.56E+11	2.88E+11	1.44E+11
Ce-141	1.26E+13	4.22E+10	3.33E+12	2.64E+12	2.22E+12	2.30E+12	1.94E+12	1.00E+12
Ce-143	5.19E+12	1.73E+10	1.34E+12	1.04E+12	8.58E+11	8.71E+11	7.19E+11	3.66E+11
Ce-144	9.22E+12	3.09E+10	2.44E+12	1.94E+12	1.63E+12	1.69E+12	1.42E+12	7.37E+11
Np-239	7.43E+13	2.48E+11	1.94E+13	1.52E+13	1.26E+13	1.29E+13	1.08E+13	5.53E+12
Pu-238	1.50E+10	5.02E+07	3.96E+09	3.15E+09	2.64E+09	2.74E+09	2.31E+09	1.20E+09
Pu-239	3.04E+09	1.02E+07	8.02E+08	6.37E+08	5.35E+08	5.55E+08	4.68E+08	2.43E+08
Pu-240	2.50E+09	8.40E+06	6.62E+08	5.26E+08	4.41E+08	4.58E+08	3.86E+08	2.00E+08
Pu-241	8.54E+11	2.87E+09	2.26E+11	1.79E+11	1.51E+11	1.56E+11	1.32E+11	6.83E+10

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Zr-95     1.32E+13  4.44E+10  3.50E+12  2.78E+12  2.33E+12  2.42E+12  2.04E+12  1.06E+12
Zr-97     2.43E+12  8.00E+09  6.15E+11  4.68E+11  3.78E+11  3.76E+11  3.04E+11  1.52E+11
Am-241    4.35E+08  2.40E+06  2.51E+08  2.14E+08  1.93E+08  2.06E+08  1.75E+08  8.99E+07
Cm-242    7.77E+10  4.32E+08  4.53E+10  3.87E+10  3.48E+10  3.72E+10  3.15E+10  1.62E+10
Cm-244    3.85E+09  2.14E+07  2.24E+09  1.91E+09  1.72E+09  1.84E+09  1.56E+09  8.03E+08
La-140    3.23E+14  8.54E+11  5.30E+13  3.17E+13  1.56E+13  9.94E+12  7.49E+12  4.98E+12
La-141    3.04E+09  1.58E+07  1.48E+09  1.05E+09  7.97E+08  7.16E+08  5.06E+08  2.24E+08
La-142    3.29E+04  1.53E+02  1.21E+04  6.51E+03  3.77E+03  2.58E+03  1.38E+03  4.83E+02
Nd-147    1.70E+12  9.44E+09  9.88E+11  8.41E+11  7.54E+11  8.05E+11  6.81E+11  3.49E+11
Pr-143    4.85E+12  2.54E+10  2.60E+12  2.21E+12  1.97E+12  2.11E+12  1.78E+12  9.16E+11
Y-90      1.15E+13  3.08E+10  1.93E+12  1.17E+12  5.89E+11  3.90E+11  2.97E+11  1.94E+11
Y-91      7.04E+12  2.98E+10  2.76E+12  2.22E+12  1.86E+12  1.93E+12  1.63E+12  8.45E+11
Y-92      4.46E+11  1.08E+09  5.86E+10  2.82E+10  1.11E+10  5.60E+09  3.40E+09  1.94E+09
Y-93      2.60E+11  1.41E+09  1.41E+11  1.12E+11  9.45E+10  9.45E+10  7.46E+10  3.62E+10
Y-91m     1.51E+13  3.82E+10  2.22E+12  1.20E+12  5.24E+11  2.92E+11  1.98E+11  1.27E+11
Pr-144    9.22E+12  3.09E+10  2.44E+12  1.94E+12  1.63E+12  1.69E+12  1.42E+12  7.37E+11
Pr-144m   1.64E+11  5.50E+08  4.34E+10  3.45E+10  2.89E+10  3.00E+10  2.53E+10  1.31E+10
MAXIMUM HEIGHT PLUME RISE FLAG = DAY_AND_NIGHT

READING FROM A WEATHER FILE WITH THE FOLLOWING HEADER:
Peach Bottom MACCS2 2006 Data
64 WD for SOAR CA Trials
Weather file uses          60  minute intervals
Weather file uses          64  wind directions
   METEOROLOGICAL DATA FILE CONTAINS  602 PERIODS OF OBSERVED RAIN DATA.
        ACCUMULATED RAIN MEASUREMENTS TOTALED  44.42 INCHES FOR THE YEAR.
        MORNING LID HEIGHTS (M) FOR 4 SEASONS =     760    650    500    570
        AFTERNOON LID HEIGHTS (M) FOR 4 SEASONS =     770   1450   1620   1140
        NON-ZERO WINDSPEEDS LESS THAN 0.5 M/S ARE SET TO 0.5 M/S
NUMTRI=         984

                        * * * * METEOROLOGICAL BIN SUMMARY * * * *
 BIN PRIORITIES
  RI XX - RAIN INTENSITY I WITHIN THE INTERVAL ENDING AT XX
          INTERVAL ENDPOINTS ARE IN KILOMETERS FROM THE ACCIDENT SITE, THE 5 INTERVAL ENDPOINTS ARE    3   6  11  21  32
          RAIN INTENSITIES ARE IN MILLIMETERS OF RAIN PER HOUR, THE 3 INTENSITY BREAKPOINTS ARE         2.0  4.0  6.0
  S   V - INITIAL WEATHER CONDITIONS WITH STABILITY CLASS S AND WIND SPEED INTERVAL V
          STABILITY CLASSES ARE B = A/B, D = C/D, E = E, AND F = F
          WIND SPEED INTERVALS ARE IN METERS PER SECOND, 1 (0-1), 2 (1-2), 3 (2-3), 4 (3-5), 5 (5-7), 6 (GT 7)
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WIND DIRECTION

	METBIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	B 3	0.017	0.010	0.004	0.011	0.004	0.000	0.003	0.008	0.004	0.010	0.010	0.007	0.004	0.007	0.011	0.016
2	B 4	0.017	0.014	0.012	0.017	0.005	0.007	0.014	0.017	0.010	0.012	0.005	0.017	0.010	0.014	0.026	0.029
3	D 1	0.000	0.000	0.000	0.000	0.000	0.011	0.011	0.011	0.000	0.022	0.011	0.022	0.022	0.000	0.000	0.033
4	D 2	0.017	0.021	0.013	0.010	0.011	0.010	0.010	0.008	0.006	0.008	0.008	0.011	0.011	0.021	0.019	0.013
5	D 3	0.012	0.021	0.011	0.012	0.011	0.007	0.009	0.005	0.011	0.005	0.009	0.005	0.012	0.007	0.012	0.027
6	D 4	0.004	0.005	0.003	0.004	0.008	0.003	0.003	0.005	0.011	0.004	0.008	0.011	0.013	0.011	0.013	0.015
7	D 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.010	0.005	0.038	0.072
8	D 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	E 1	0.023	0.029	0.031	0.004	0.008	0.037	0.012	0.006	0.016	0.010	0.019	0.014	0.004	0.008	0.010	0.010
10	E 2	0.028	0.030	0.021	0.011	0.014	0.011	0.012	0.014	0.010	0.014	0.017	0.025	0.022	0.015	0.022	0.030
11	E 3	0.010	0.013	0.008	0.009	0.005	0.004	0.004	0.005	0.009	0.022	0.027	0.030	0.031	0.023	0.034	0.040
12	E 4	0.008	0.011	0.003	0.006	0.006	0.000	0.008	0.006	0.011	0.008	0.011	0.008	0.028	0.017	0.034	0.056
13	F 1	0.018	0.012	0.041	0.022	0.014	0.024	0.031	0.010	0.027	0.031	0.025	0.024	0.020	0.022	0.027	0.025
14	F 2	0.005	0.004	0.016	0.005	0.009	0.019	0.012	0.027	0.029	0.057	0.060	0.077	0.096	0.055	0.067	0.056
15	F 3	0.000	0.007	0.000	0.000	0.007	0.000	0.007	0.000	0.022	0.058	0.080	0.066	0.117	0.139	0.095	0.102
16	F 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.250	0.000	0.250	0.000
17	R1 3	0.018	0.018	0.009	0.007	0.007	0.005	0.009	0.002	0.009	0.018	0.014	0.011	0.005	0.002	0.014	0.009
18	R1 6	0.000	0.000	0.016	0.016	0.032	0.032	0.016	0.016	0.000	0.032	0.032	0.000	0.048	0.016	0.000	0.016
19	R1 11	0.018	0.042	0.024	0.012	0.000	0.024	0.024	0.018	0.006	0.018	0.006	0.012	0.024	0.036	0.012	0.024
20	R1 21	0.021	0.034	0.004	0.004	0.004	0.008	0.004	0.025	0.000	0.021	0.021	0.008	0.000	0.013	0.000	0.021
21	R1 32	0.008	0.021	0.000	0.004	0.030	0.017	0.034	0.008	0.004	0.004	0.030	0.004	0.008	0.004	0.021	0.030
22	R2 3	0.026	0.000	0.017	0.035	0.000	0.000	0.009	0.009	0.009	0.000	0.009	0.009	0.009	0.000	0.009	0.000
23	R2 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	R2 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	R2 21	0.000	0.000	0.000	0.062	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	R2 32	0.080	0.040	0.040	0.000	0.000	0.040	0.000	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000
27	R3 3	0.026	0.000	0.051	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.051	0.000	0.000	0.000
28	R3 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	R3 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	R3 21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.000	0.000	0.000	0.000
31	R3 32	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.250
32	R4 3	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.029	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33	R4 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34	R4 11	0.143	0.143	0.000	0.000	0.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.143	0.000

35 R4 21 0.000 0.222 0.111 0.222 0.000 0.000 0.000 0.000 0.000 0.000 0.111 0.000 0.000 0.000 0.000 0.000
36 R4 32 0.067 0.000 0.133 0.000 0.067 0.067 0.067 0.000 0.067 0.000 0.000 0.000 0.000 0.067 0.000 0.000
37 ALL 0.015 0.016 0.013 0.009 0.009 0.010 0.011 0.010 0.012 0.018 0.020 0.021 0.024 0.019 0.024 0.029

	METBIN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	B 3	0.003	0.013	0.007	0.006	0.010	0.010	0.007	0.006	0.007	0.016	0.010	0.027	0.040	0.035	0.023	0.038
2	B 4	0.005	0.021	0.024	0.038	0.055	0.043	0.041	0.060	0.036	0.050	0.074	0.088	0.064	0.019	0.014	0.005
3	D 1	0.033	0.022	0.000	0.022	0.000	0.000	0.022	0.022	0.011	0.011	0.000	0.022	0.011	0.011	0.000	0.033
4	D 2	0.015	0.011	0.019	0.011	0.025	0.015	0.017	0.021	0.025	0.010	0.023	0.019	0.025	0.029	0.017	0.029
5	D 3	0.011	0.016	0.018	0.021	0.039	0.034	0.032	0.018	0.019	0.048	0.060	0.055	0.046	0.032	0.028	0.048
6	D 4	0.017	0.023	0.057	0.035	0.058	0.048	0.085	0.071	0.065	0.081	0.062	0.039	0.057	0.030	0.009	0.011
7	D 5	0.019	0.024	0.034	0.053	0.072	0.077	0.058	0.115	0.125	0.072	0.096	0.034	0.034	0.014	0.000	0.000
8	D 6	0.031	0.000	0.031	0.031	0.031	0.000	0.000	0.000	0.000	0.469	0.375	0.000	0.000	0.000	0.000	0.000
9	E 1	0.006	0.006	0.014	0.012	0.008	0.004	0.012	0.019	0.014	0.016	0.008	0.004	0.004	0.014	0.004	0.035
10	E 2	0.023	0.019	0.026	0.021	0.020	0.013	0.022	0.020	0.012	0.021	0.026	0.010	0.017	0.009	0.013	0.023
11	E 3	0.045	0.050	0.058	0.044	0.039	0.044	0.031	0.025	0.021	0.040	0.028	0.031	0.021	0.014	0.025	0.016
12	E 4	0.031	0.023	0.045	0.025	0.068	0.071	0.065	0.054	0.054	0.045	0.028	0.011	0.011	0.020	0.014	0.025
13	F 1	0.016	0.016	0.014	0.022	0.010	0.016	0.022	0.014	0.020	0.016	0.033	0.002	0.000	0.002	0.002	0.031
14	F 2	0.031	0.031	0.028	0.017	0.029	0.011	0.020	0.015	0.023	0.013	0.013	0.012	0.013	0.001	0.004	0.025
15	F 3	0.044	0.044	0.015	0.015	0.022	0.007	0.007	0.029	0.000	0.015	0.000	0.007	0.007	0.000	0.007	0.007
16	F 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	R1 3	0.005	0.007	0.007	0.014	0.009	0.009	0.009	0.011	0.016	0.018	0.025	0.027	0.020	0.018	0.007	0.039
18	R1 6	0.000	0.000	0.016	0.000	0.016	0.016	0.000	0.000	0.000	0.000	0.016	0.000	0.032	0.000	0.016	0.032
19	R1 11	0.000	0.018	0.006	0.006	0.006	0.000	0.018	0.012	0.024	0.006	0.000	0.012	0.012	0.012	0.006	0.012
20	R1 21	0.004	0.008	0.000	0.017	0.013	0.004	0.021	0.013	0.021	0.017	0.034	0.013	0.021	0.017	0.008	0.025
21	R1 32	0.008	0.017	0.008	0.000	0.013	0.008	0.021	0.000	0.013	0.021	0.004	0.004	0.017	0.021	0.034	0.021
22	R2 3	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.009	0.000	0.009	0.035	0.009	0.009	0.009	0.000	0.017
23	R2 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	R2 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000
25	R2 21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.063	0.000	0.000	0.000
26	R2 32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	R3 3	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.103	0.026	0.026	0.026	0.051	0.000	0.103
28	R3 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	R3 11	0.000	0.000	0.000	0.000	0.333	0.000	0.000	0.000	0.000	0.333	0.000	0.000	0.000	0.000	0.000	0.000
30	R3 21	0.000	0.000	0.000	0.000	0.000	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	R3 32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32	R4 3	0.029	0.000	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.059	0.088	0.029	0.000	0.029	0.059	0.000
33	R4 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34	R4 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

35 R4 21 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
36 R4 32 0.000 0.000 0.000 0.133 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
37 ALL 0.018 0.020 0.025 0.021 0.028 0.023 0.028 0.026 0.025 0.032 0.032 0.024 0.025 0.017 0.013 0.025

	METBIN	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	B 3	0.024	0.048	0.045	0.049	0.021	0.018	0.017	0.008	0.007	0.020	0.024	0.018	0.024	0.020	0.023	0.028
2	B 4	0.000	0.019	0.010	0.010	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	D 1	0.000	0.022	0.000	0.044	0.033	0.022	0.033	0.011	0.000	0.022	0.033	0.022	0.044	0.022	0.044	0.056
4	D 2	0.019	0.044	0.040	0.031	0.029	0.013	0.015	0.006	0.006	0.015	0.010	0.008	0.013	0.004	0.013	0.013
5	D 3	0.027	0.016	0.032	0.007	0.007	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	D 4	0.011	0.012	0.024	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	D 5	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	D 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	E 1	0.012	0.008	0.010	0.023	0.006	0.004	0.006	0.006	0.008	0.012	0.008	0.004	0.027	0.019	0.029	0.025
10	E 2	0.011	0.011	0.017	0.006	0.009	0.008	0.003	0.002	0.000	0.005	0.002	0.002	0.002	0.001	0.002	0.008
11	E 3	0.009	0.004	0.008	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	E 4	0.017	0.011	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	F 1	0.000	0.006	0.002	0.018	0.002	0.000	0.002	0.000	0.000	0.002	0.008	0.002	0.014	0.004	0.016	0.022
14	F 2	0.001	0.000	0.000	0.003	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.004	0.000	0.000	0.001	0.004
15	F 3	0.007	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	F 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	R1 3	0.025	0.075	0.018	0.011	0.020	0.011	0.016	0.007	0.005	0.020	0.020	0.011	0.011	0.011	0.005	0.016
18	R1 6	0.000	0.016	0.032	0.000	0.000	0.016	0.000	0.032	0.032	0.000	0.048	0.032	0.016	0.000	0.032	0.016
19	R1 11	0.036	0.018	0.018	0.012	0.012	0.006	0.006	0.006	0.012	0.006	0.012	0.006	0.006	0.006	0.012	0.018
20	R1 21	0.017	0.034	0.013	0.017	0.004	0.008	0.004	0.008	0.004	0.004	0.013	0.004	0.013	0.008	0.025	0.030
21	R1 32	0.008	0.025	0.021	0.013	0.008	0.000	0.008	0.013	0.004	0.004	0.000	0.008	0.004	0.000	0.021	0.030
22	R2 3	0.000	0.017	0.035	0.026	0.026	0.017	0.017	0.026	0.000	0.017	0.009	0.009	0.009	0.017	0.043	0.052
23	R2 6	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000
24	R2 11	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	R2 21	0.000	0.063	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	R2 32	0.000	0.040	0.000	0.040	0.040	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	R3 3	0.026	0.000	0.000	0.000	0.026	0.000	0.026	0.000	0.000	0.026	0.000	0.026	0.000	0.000	0.000	0.000
28	R3 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	R3 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	R3 21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	R3 32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32	R4 3	0.000	0.029	0.029	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33	R4 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000
34	R4 11	0.000	0.000	0.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.143	0.000	0.143

35 R4 21 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.111 0.111 0.000 0.000 0.000
36 R4 32 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
37 ALL 0.012 0.019 0.017 0.013 0.009 0.006 0.005 0.003 0.002 0.006 0.006 0.005 0.007 0.005 0.008 0.011

METBIN	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	TOTAL	PER CENT
1 B 3	0.011	0.031	0.021	0.010	0.020	0.007	0.017	0.010	0.013	0.010	0.010	0.014	0.008	0.016	0.008	0.016	708	8.0822
2 B 4	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.002	0.000	0.005	0.005	0.019	0.036	0.026	419	4.7831
3 D 1	0.000	0.044	0.022	0.011	0.011	0.011	0.033	0.011	0.000	0.011	0.022	0.011	0.022	0.000	0.011	0.000	90	1.0274
4 D 2	0.017	0.006	0.002	0.010	0.010	0.011	0.017	0.015	0.011	0.011	0.017	0.019	0.019	0.015	0.013	0.019	524	5.9817
5 D 3	0.000	0.000	0.000	0.000	0.000	0.005	0.009	0.000	0.016	0.027	0.021	0.023	0.028	0.018	0.028	0.030	565	6.4498
6 D 4	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.003	0.000	0.008	0.001	0.001	0.009	0.020	0.015	0.020	743	8.4817
7 D 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.005	0.014	0.010	208	2.3744
8 D 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	32	0.3653
9 E 1	0.031	0.027	0.021	0.019	0.014	0.016	0.031	0.023	0.010	0.016	0.041	0.023	0.027	0.027	0.031	0.010	486	5.5479
10 E 2	0.005	0.017	0.011	0.011	0.010	0.012	0.016	0.021	0.020	0.020	0.029	0.025	0.031	0.028	0.031	0.033	1029	11.7466
11 E 3	0.000	0.003	0.000	0.000	0.003	0.003	0.001	0.001	0.010	0.018	0.019	0.019	0.019	0.025	0.025	0.016	773	8.8242
12 E 4	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.000	0.006	0.003	0.003	0.008	0.014	0.014	0.034	0.065	354	4.0411
13 F 1	0.045	0.035	0.043	0.006	0.061	0.012	0.025	0.004	0.000	0.008	0.012	0.024	0.006	0.006	0.012	0.000	510	5.8219
14 F 2	0.004	0.013	0.009	0.007	0.011	0.005	0.009	0.004	0.001	0.009	0.000	0.005	0.007	0.005	0.007	0.003	750	8.5616
15 F 3	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.015	0.007	0.007	0.007	137	1.5639
16 F 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4	0.0457
17 R1 3	0.007	0.005	0.005	0.023	0.020	0.011	0.011	0.023	0.018	0.023	0.029	0.027	0.034	0.025	0.039	0.020	441	5.0342
18 R1 6	0.063	0.000	0.016	0.016	0.000	0.000	0.000	0.063	0.000	0.000	0.048	0.032	0.016	0.016	0.032	0.016	63	0.7192
19 R1 11	0.030	0.006	0.018	0.018	0.018	0.018	0.012	0.030	0.030	0.012	0.042	0.030	0.024	0.018	0.018	0.024	165	1.8836
20 R1 21	0.025	0.013	0.013	0.017	0.021	0.004	0.025	0.013	0.038	0.059	0.017	0.013	0.017	0.017	0.030	0.042	236	2.6941
21 R1 32	0.025	0.017	0.008	0.013	0.038	0.021	0.021	0.017	0.038	0.051	0.038	0.017	0.008	0.021	0.034	0.025	237	2.7055
22 R2 3	0.000	0.000	0.009	0.017	0.035	0.000	0.017	0.052	0.043	0.017	0.009	0.052	0.070	0.026	0.043	0.043	115	1.3128
23 R2 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.250	4	0.0457
24 R2 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.250	8	0.0913
25 R2 21	0.000	0.000	0.000	0.000	0.063	0.063	0.000	0.000	0.000	0.000	0.000	0.188	0.125	0.063	0.063	0.000	16	0.1826
26 R2 32	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.080	0.120	0.040	0.000	0.080	25	0.2854
27 R3 3	0.000	0.000	0.051	0.000	0.000	0.026	0.026	0.051	0.000	0.077	0.000	0.000	0.000	0.051	0.026	0.026	39	0.4452
28 R3 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	1	0.0114
29 R3 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.000	0.000	3	0.0342
30 R3 21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.000	0.000	0.200	0.000	5	0.0571
31 R3 32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	4	0.0457
32 R4 3	0.059	0.000	0.000	0.000	0.000	0.000	0.029	0.029	0.029	0.000	0.029	0.088	0.000	0.029	0.147	0.059	34	0.3881
33 R4 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1	0.0114
34 R4 11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7	0.0799

35 R4 21 0.000 0.111 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 9 0.1027
36 R4 32 0.133 0.067 0.000 0.000 0.000 0.000 0.000 0.067 0.000 0.000 0.000 0.000 0.000 0.067 0.000 0.000 15 0.1712
37 ALL 0.010 0.012 0.009 0.007 0.013 0.008 0.012 0.011 0.011 0.016 0.016 0.017 0.018 0.019 0.023 0.021 8760 100.0000

* * * * METEOROLOGICAL BIN SUMMARY * * * *

BIN PRIORITIES

RI XX - RAIN INTENSITY I WITHIN THE INTERVAL ENDING AT XX

INTERVAL ENDPOINTS ARE IN KILOMETERS FROM THE ACCIDENT SITE, THE 5 INTERVAL ENDPOINTS ARE 3 6 11 21 32

RAIN INTENSITIES ARE IN MILLIMETERS OF RAIN PER HOUR, THE 3 INTENSITY BREAKPOINTS ARE 2.0 4.0 6.0

S V - INITIAL WEATHER CONDITIONS WITH STABILITY CLASS S AND WIND SPEED INTERVAL V

STABILITY CLASSES ARE B = A/B, D = C/D, E = E, AND F = F

WIND SPEED INTERVALS ARE IN METERS PER SECOND (M/S), 1 (0-1), 2 (1-2), 3 (2-3), 4 (3-5), 5 (5-7), 6 (GT 7)

WIND DIRECTION

METBIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 B	3	12	7	3	8	3	0	2	6	3	7	7	5	3	5	8	11
2 B	4	7	6	5	7	2	3	6	7	4	5	2	7	4	6	11	12
3 D	1	0	0	0	0	0	1	1	1	0	2	1	2	2	0	0	3
4 D	2	9	11	7	5	6	5	5	4	3	4	4	6	6	11	10	7
5 D	3	7	12	6	7	6	4	5	3	6	3	5	3	7	4	7	15
6 D	4	3	4	2	3	6	2	2	4	8	3	6	8	10	8	10	11
7 D	5	0	0	0	0	0	0	0	0	0	0	1	0	2	1	8	15
8 D	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 E	1	11	14	15	2	4	18	6	3	8	5	9	7	2	4	5	5
10 E	2	29	31	22	11	14	11	12	14	10	14	18	26	23	15	23	31
11 E	3	8	10	6	7	4	3	3	4	7	17	21	23	24	18	26	31
12 E	4	3	4	1	2	2	0	3	2	4	3	4	3	10	6	12	20
13 F	1	9	6	21	11	7	12	16	5	14	16	13	12	10	11	14	13
14 F	2	4	3	12	4	7	14	9	20	22	43	45	58	72	41	50	42
15 F	3	0	1	0	0	1	0	1	0	3	8	11	9	16	19	13	14
16 F	4	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0
17 R1	3	8	8	4	3	3	2	4	1	4	8	6	5	2	1	6	4
18 R1	6	0	0	1	1	2	2	1	1	0	2	2	0	3	1	0	1
19 R1	11	3	7	4	2	0	4	4	3	1	3	1	2	4	6	2	4
20 R1	21	5	8	1	1	1	2	1	6	0	5	5	2	0	3	0	5
21 R1	32	2	5	0	1	7	4	8	2	1	1	7	1	2	1	5	7

22	R2	3	3	0	2	4	0	0	1	1	1	0	1	1	1	0	1	0
23	R2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	R2	11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
25	R2	21	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0
26	R2	32	2	1	1	0	0	1	0	0	0	5	0	0	0	0	0	0
27	R3	3	1	0	2	0	0	0	0	0	0	0	0	2	2	0	0	0
28	R3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	R3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	R3	21	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
31	R3	32	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
32	R4	3	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
33	R4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	R4	11	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0
35	R4	21	0	2	1	2	0	0	0	0	0	0	1	0	0	0	0	0
36	R4	32	1	0	2	0	1	1	1	0	1	0	0	0	0	1	0	0

METBIN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1 B 3	2	9	5	4	7	7	5	4	5	11	7	19	28	25	16	27
2 B 4	2	9	10	16	23	18	17	25	15	21	31	37	27	8	6	2
3 D 1	3	2	0	2	0	0	2	2	1	1	0	2	1	1	0	3
4 D 2	8	6	10	6	13	8	9	11	13	5	12	10	13	15	9	15
5 D 3	6	9	10	12	22	19	18	10	11	27	34	31	26	18	16	27
6 D 4	13	17	42	26	43	36	63	53	48	60	46	29	42	22	7	8
7 D 5	4	5	7	11	15	16	12	24	26	15	20	7	7	3	0	0
8 D 6	1	0	1	1	1	0	0	0	0	15	12	0	0	0	0	0
9 E 1	3	3	7	6	4	2	6	9	7	8	4	2	2	7	2	17
10 E 2	24	20	27	22	21	13	23	21	12	22	27	10	18	9	13	24
11 E 3	35	39	45	34	30	34	24	19	16	31	22	24	16	11	19	12
12 E 4	11	8	16	9	24	25	23	19	19	16	10	4	4	7	5	9
13 F 1	8	8	7	11	5	8	11	7	10	8	17	1	0	1	1	16
14 F 2	23	23	21	13	22	8	15	11	17	10	10	9	10	1	3	19
15 F 3	6	6	2	2	3	1	1	4	0	2	0	1	1	0	1	1
16 F 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 R1 3	2	3	3	6	4	4	4	5	7	8	11	12	9	8	3	17
18 R1 6	0	0	1	0	1	1	0	0	0	0	1	0	2	0	1	2
19 R1 11	0	3	1	1	1	0	3	2	4	1	0	2	2	2	1	2
20 R1 21	1	2	0	4	3	1	5	3	5	4	8	3	5	4	2	6
21 R1 32	2	4	2	0	3	2	5	0	3	5	1	1	4	5	8	5
22 R2 3	0	0	0	0	1	0	0	1	0	1	4	1	1	1	0	2

23	R2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	R2	11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
25	R2	21	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0
26	R2	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	R3	3	0	0	0	0	0	0	1	0	0	4	1	1	1	2	0	4
28	R3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	R3	11	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
30	R3	21	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
31	R3	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	R4	3	1	0	0	0	0	1	0	0	0	2	3	1	0	1	2	0
33	R4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	R4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	R4	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	R4	32	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0

METBIN	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1 B 3	17	34	32	35	15	13	12	6	5	14	17	13	17	14	16	20
2 B 4	0	8	4	4	1	0	0	0	0	0	0	0	0	0	0	0
3 D 1	0	2	0	4	3	2	3	1	0	2	3	2	4	2	4	5
4 D 2	10	23	21	16	15	7	8	3	3	8	5	4	7	2	7	7
5 D 3	15	9	18	4	4	3	0	0	0	0	0	0	0	0	0	0
6 D 4	8	9	18	1	1	0	1	0	0	0	0	0	0	0	0	0
7 D 5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 D 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 E 1	6	4	5	11	3	2	3	3	4	6	4	2	13	9	14	12
10 E 2	11	11	17	6	9	8	3	2	0	5	2	2	2	1	2	8
11 E 3	7	3	6	5	3	1	0	0	0	0	0	0	0	0	0	0
12 E 4	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0
13 F 1	0	3	1	9	1	0	1	0	0	1	4	1	7	2	8	11
14 F 2	1	0	0	2	1	1	0	1	0	0	1	3	0	0	1	3
15 F 3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
16 F 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 R1 3	11	33	8	5	9	5	7	3	2	9	9	5	5	5	2	7
18 R1 6	0	1	2	0	0	1	0	2	2	0	3	2	1	0	2	1
19 R1 11	6	3	3	2	2	1	1	1	2	1	2	1	1	1	2	3
20 R1 21	4	8	3	4	1	2	1	2	1	1	3	1	3	2	6	7
21 R1 32	2	6	5	3	2	0	2	3	1	1	0	2	1	0	5	7
22 R2 3	0	2	4	3	3	2	2	3	0	2	1	1	1	2	5	6
23 R2 6	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0

24	R2	11	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25	R2	21	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	R2	32	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0
27	R3	3	1	0	0	0	1	0	1	0	0	1	0	1	0	0	0	0
28	R3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	R3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	R3	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	R3	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	R4	3	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
33	R4	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
34	R4	11	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
35	R4	21	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
36	R4	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	METBIN	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	TOTAL	PER CENT
1	B	3	8	22	15	7	14	5	12	7	9	7	7	10	6	11	6	11	708	8.0822
2	B	4	0	0	0	0	0	1	1	0	0	1	0	2	2	8	15	11	419	4.7831
3	D	1	0	4	2	1	1	1	3	1	0	1	2	1	2	0	1	0	90	1.0274
4	D	2	9	3	1	5	5	6	9	8	6	6	9	10	10	8	7	10	524	5.9817
5	D	3	0	0	0	0	0	3	5	0	9	15	12	13	16	10	16	17	565	6.4498
6	D	4	0	0	0	0	0	1	1	2	0	6	1	1	7	15	11	15	743	8.4817
7	D	5	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3	2	208	2.3744
8	D	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	32	0.3653
9	E	1	15	13	10	9	7	8	15	11	5	8	20	11	13	13	15	5	486	5.5479
10	E	2	5	18	11	11	10	12	16	22	21	21	30	26	32	29	32	34	1029	11.7466
11	E	3	0	2	0	0	2	2	1	1	8	14	15	15	15	19	19	12	773	8.8242
12	E	4	0	0	0	0	0	1	1	0	2	1	1	3	5	5	12	23	354	4.0411
13	F	1	23	18	22	3	31	6	13	2	0	4	6	12	3	3	6	0	510	5.8219
14	F	2	3	10	7	5	8	4	7	3	1	7	0	4	5	4	5	2	750	8.5616
15	F	3	0	0	0	0	1	0	0	0	0	2	0	0	2	1	1	1	137	1.5639
16	F	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.0457
17	R1	3	3	2	2	10	9	5	5	10	8	10	13	12	15	11	17	9	441	5.0342
18	R1	6	4	0	1	1	0	0	0	4	0	0	3	2	1	1	2	1	63	0.7192
19	R1	11	5	1	3	3	3	3	2	5	5	2	7	5	4	3	3	4	165	1.8836
20	R1	21	6	3	3	4	5	1	6	3	9	14	4	3	4	4	7	10	236	2.6941
21	R1	32	6	4	2	3	9	5	5	4	9	12	9	4	2	5	8	6	237	2.7055
22	R2	3	0	0	1	2	4	0	2	6	5	2	1	6	8	3	5	5	115	1.3128
23	R2	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	4	0.0457
24	R2	11	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	2	8	0.0913

25	R2	21	0	0	0	0	1	1	0	0	0	0	0	3	2	1	1	0	16	0.1826
26	R2	32	0	0	1	0	0	0	0	2	0	0	0	2	3	1	0	2	25	0.2854
27	R3	3	0	0	2	0	0	1	1	2	0	3	0	0	0	2	1	1	39	0.4452
28	R3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.0114
29	R3	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0.0342
30	R3	21	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	5	0.0571
31	R3	32	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	0.0457
32	R4	3	2	0	0	0	0	0	1	1	1	0	1	3	0	1	5	2	34	0.3881
33	R4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0114
34	R4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0.0799
35	R4	21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0.1027
36	R4	32	2	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	15	0.1712

* * * * SUMMARIES * * * *

R	26	33	18	15	15	16	23	15	10	24	23	15	14	14	15	22	
B	19	13	8	15	5	3	8	13	7	12	9	12	7	11	19	23	
D	19	27	15	15	18	12	13	12	17	12	17	19	27	24	35	51	
E	51	59	44	22	24	32	24	23	29	39	52	59	59	43	66	87	
F	13	10	33	15	15	26	26	25	39	68	70	79	99	71	78	69	
1	20	20	37	14	11	31	23	9	22	23	23	21	14	15	19	24	
2	45	46	42	20	27	30	27	38	37	67	73	92	103	67	86	85	
3	24	29	13	21	14	7	10	13	17	29	38	38	48	46	51	63	
4	11	14	8	10	9	4	11	11	16	9	13	17	22	15	27	39	
5	2	0	0	2	1	1	0	1	0	2	1	1	5	6	14	19	
6	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	

R	6	12	7	13	14	10	18	11	19	27	30	21	25	23	17	38	
B	4	18	15	20	30	25	22	29	20	32	38	56	55	33	22	29	
D	35	39	70	58	94	79	104	100	99	123	124	79	89	59	32	53	
E	73	70	95	71	79	74	76	68	54	77	63	40	40	34	39	62	
F	37	37	30	26	30	17	27	22	27	20	27	11	11	2	5	36	
1	14	14	15	19	10	10	20	18	19	17	21	5	3	10	3	36	
2	56	51	59	43	57	32	48	45	43	40	51	31	48	32	30	64	
3	48	60	60	50	60	58	46	35	30	68	61	73	64	46	47	61	
4	25	31	67	47	79	74	100	90	75	95	79	67	72	37	18	19	
5	5	8	8	15	24	21	15	31	32	17	27	10	8	3	0	0	
6	1	0	1	1	3	0	0	0	1	15	13	0	0	0	0	0	

R	25	56	28	18	21	12	14	14	8	15	20	14	13	11	22	32
B	17	42	36	39	16	13	12	6	5	14	17	13	17	14	16	20
D	33	44	57	25	23	12	12	4	3	10	8	6	11	4	11	12
E	30	22	30	22	15	11	6	5	4	11	6	4	15	10	16	20
F	2	3	1	12	2	1	1	1	0	1	5	4	7	2	9	14
1	6	9	6	29	7	4	8	4	4	10	11	8	25	14	26	28
2	34	41	50	39	37	27	21	12	8	26	25	19	25	16	26	38
3	28	39	44	25	10	6	1	0	0	0	0	0	0	0	0	0
4	14	21	24	5	2	0	1	0	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

R	28	12	15	23	31	16	22	39	37	43	38	41	40	37	50	44	1428	16.3014
B	8	22	15	7	14	6	13	7	9	8	7	12	8	19	21	22	1127	12.8653
D	9	7	3	6	6	11	18	11	15	28	24	25	37	35	38	44	2162	24.6804
E	20	33	21	20	19	23	33	34	36	44	66	55	65	66	78	74	2642	30.1598
F	26	28	29	8	40	10	20	5	1	13	6	16	10	8	12	3	1401	15.9932
1	38	38	35	13	39	15	33	15	5	13	31	24	18	16	22	5	1119	12.7740
2	24	50	33	27	32	23	40	38	32	37	40	42	50	43	47	47	2664	30.4110
3	1	2	0	1	8	9	8	2	22	35	30	36	36	39	39	40	1789	20.4224
4	0	0	0	0	0	3	3	2	2	8	2	6	13	27	38	46	1428	16.3014
5	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	5	293	3.3447
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	39	0.4452

* * * * * BIN WINDROSE SUMMARY * * * * *

BIN	DIRECTION															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0.017	0.010	0.004	0.011	0.004	0.000	0.003	0.008	0.004	0.010	0.010	0.007	0.004	0.007	0.011	0.016
2	0.017	0.014	0.012	0.017	0.005	0.007	0.014	0.017	0.010	0.012	0.005	0.017	0.010	0.014	0.026	0.029
3	0.000	0.000	0.000	0.000	0.000	0.011	0.011	0.011	0.000	0.022	0.011	0.022	0.022	0.000	0.000	0.033
4	0.017	0.021	0.013	0.010	0.011	0.010	0.010	0.008	0.006	0.008	0.008	0.011	0.011	0.021	0.019	0.013
5	0.012	0.021	0.011	0.012	0.011	0.007	0.009	0.005	0.011	0.005	0.009	0.005	0.012	0.007	0.012	0.027
6	0.004	0.005	0.003	0.004	0.008	0.003	0.003	0.005	0.011	0.004	0.008	0.011	0.013	0.011	0.013	0.015
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.010	0.005	0.038	0.072
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.023	0.029	0.031	0.004	0.008	0.037	0.012	0.006	0.016	0.010	0.019	0.014	0.004	0.008	0.010	0.010

10	0.028	0.030	0.021	0.011	0.014	0.011	0.012	0.014	0.010	0.014	0.017	0.025	0.022	0.015	0.022	0.030	
11	0.010	0.013	0.008	0.009	0.005	0.004	0.004	0.005	0.009	0.022	0.027	0.030	0.031	0.023	0.034	0.040	
12	0.008	0.011	0.003	0.006	0.006	0.000	0.008	0.006	0.011	0.008	0.011	0.008	0.028	0.017	0.034	0.056	
13	0.018	0.012	0.041	0.022	0.014	0.024	0.031	0.010	0.027	0.031	0.025	0.024	0.020	0.022	0.027	0.025	
14	0.005	0.004	0.016	0.005	0.009	0.019	0.012	0.027	0.029	0.057	0.060	0.077	0.096	0.055	0.067	0.056	
15	0.000	0.007	0.000	0.000	0.007	0.000	0.007	0.000	0.022	0.058	0.080	0.066	0.117	0.139	0.095	0.102	
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.250	0.000	0.250	0.000	
17	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
18	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
19	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
20	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
21	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
22	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
23	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
24	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
25	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
26	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
27	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
28	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
29	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
30	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
31	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
32	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
33	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
34	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
35	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
36	0.018	0.023	0.013	0.011	0.011	0.011	0.016	0.011	0.007	0.017	0.016	0.011	0.010	0.010	0.011	0.015	
37	0.015	0.016	0.013	0.009	0.009	0.010	0.011	0.010	0.012	0.018	0.020	0.021	0.024	0.019	0.024	0.029	

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
1	0.003	0.013	0.007	0.006	0.010	0.010	0.007	0.006	0.007	0.016	0.010	0.027	0.040	0.035	0.023	0.038		
2	0.005	0.021	0.024	0.038	0.055	0.043	0.041	0.060	0.036	0.050	0.074	0.088	0.064	0.019	0.014	0.005		
3	0.033	0.022	0.000	0.022	0.000	0.000	0.022	0.022	0.011	0.011	0.000	0.022	0.011	0.011	0.000	0.033		
4	0.015	0.011	0.019	0.011	0.025	0.015	0.017	0.021	0.025	0.010	0.023	0.019	0.025	0.029	0.017	0.029		
5	0.011	0.016	0.018	0.021	0.039	0.034	0.032	0.018	0.019	0.048	0.060	0.055	0.046	0.032	0.028	0.048		
6	0.017	0.023	0.057	0.035	0.058	0.048	0.085	0.071	0.065	0.081	0.062	0.039	0.057	0.030	0.009	0.011		
7	0.019	0.024	0.034	0.053	0.072	0.077	0.058	0.115	0.125	0.072	0.096	0.034	0.034	0.014	0.000	0.000		
8	0.031	0.000	0.031	0.031	0.031	0.000	0.000	0.000	0.000	0.469	0.375	0.000	0.000	0.000	0.000	0.000		
9	0.006	0.006	0.014	0.012	0.008	0.004	0.012	0.019	0.014	0.016	0.008	0.004	0.004	0.014	0.004	0.035		
10	0.023	0.019	0.026	0.021	0.020	0.013	0.022	0.020	0.012	0.021	0.026	0.010	0.017	0.009	0.013	0.023		

11	0.045	0.050	0.058	0.044	0.039	0.044	0.031	0.025	0.021	0.040	0.028	0.031	0.021	0.014	0.025	0.016	
12	0.031	0.023	0.045	0.025	0.068	0.071	0.065	0.054	0.054	0.045	0.028	0.011	0.011	0.020	0.014	0.025	
13	0.016	0.016	0.014	0.022	0.010	0.016	0.022	0.014	0.020	0.016	0.033	0.002	0.000	0.002	0.002	0.031	
14	0.031	0.031	0.028	0.017	0.029	0.011	0.020	0.015	0.023	0.013	0.013	0.012	0.013	0.001	0.004	0.025	
15	0.044	0.044	0.015	0.015	0.022	0.007	0.007	0.029	0.000	0.015	0.000	0.007	0.007	0.000	0.007	0.007	
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
17	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
18	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
19	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
20	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
21	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
22	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
23	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
24	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
25	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
26	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
27	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
28	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
29	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
30	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
31	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
32	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
33	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
34	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
35	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
36	0.004	0.008	0.005	0.009	0.010	0.007	0.013	0.008	0.013	0.019	0.021	0.015	0.018	0.016	0.012	0.027	
37	0.018	0.020	0.025	0.021	0.028	0.023	0.028	0.026	0.025	0.032	0.032	0.024	0.025	0.017	0.013	0.025	

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	0.024	0.048	0.045	0.049	0.021	0.018	0.017	0.008	0.007	0.020	0.024	0.018	0.024	0.020	0.023	0.028
2	0.000	0.019	0.010	0.010	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.022	0.000	0.044	0.033	0.022	0.033	0.011	0.000	0.022	0.033	0.022	0.044	0.022	0.044	0.056
4	0.019	0.044	0.040	0.031	0.029	0.013	0.015	0.006	0.006	0.015	0.010	0.008	0.013	0.004	0.013	0.013
5	0.027	0.016	0.032	0.007	0.007	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.011	0.012	0.024	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	0.012	0.008	0.010	0.023	0.006	0.004	0.006	0.006	0.008	0.012	0.008	0.004	0.027	0.019	0.029	0.025
10	0.011	0.011	0.017	0.006	0.009	0.008	0.003	0.002	0.000	0.005	0.002	0.002	0.002	0.001	0.002	0.008
11	0.009	0.004	0.008	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

12	0.017	0.011	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
13	0.000	0.006	0.002	0.018	0.002	0.000	0.002	0.000	0.000	0.002	0.008	0.002	0.014	0.004	0.016	0.022	
14	0.001	0.000	0.000	0.003	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.004	0.000	0.000	0.001	0.004	
15	0.007	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
17	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
18	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
19	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
20	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
21	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
22	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
23	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
24	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
25	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
26	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
27	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
28	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
29	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
30	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
31	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
32	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
33	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
34	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
35	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
36	0.018	0.039	0.020	0.013	0.015	0.008	0.010	0.010	0.006	0.011	0.014	0.010	0.009	0.008	0.015	0.022	
37	0.012	0.019	0.017	0.013	0.009	0.006	0.005	0.003	0.002	0.006	0.006	0.005	0.007	0.005	0.008	0.011	

	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	TOTAL
1	0.011	0.031	0.021	0.010	0.020	0.007	0.017	0.010	0.013	0.010	0.010	0.014	0.008	0.016	0.008	0.016	1.000000
2	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000	0.002	0.000	0.005	0.005	0.019	0.036	0.026	1.000000
3	0.000	0.044	0.022	0.011	0.011	0.011	0.033	0.011	0.000	0.011	0.022	0.011	0.022	0.000	0.011	0.000	1.000000
4	0.017	0.006	0.002	0.010	0.010	0.011	0.017	0.015	0.011	0.011	0.017	0.019	0.019	0.015	0.013	0.019	1.000000
5	0.000	0.000	0.000	0.000	0.000	0.005	0.009	0.000	0.016	0.027	0.021	0.023	0.028	0.018	0.028	0.030	1.000000
6	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.003	0.000	0.008	0.001	0.001	0.009	0.020	0.015	0.020	1.000000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.005	0.014	0.010	1.000000
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	1.000000
9	0.031	0.027	0.021	0.019	0.014	0.016	0.031	0.023	0.010	0.016	0.041	0.023	0.027	0.027	0.031	0.010	1.000000
10	0.005	0.017	0.011	0.011	0.010	0.012	0.016	0.021	0.020	0.020	0.029	0.025	0.031	0.028	0.031	0.033	1.000000
11	0.000	0.003	0.000	0.000	0.003	0.003	0.001	0.001	0.010	0.018	0.019	0.019	0.019	0.025	0.025	0.016	1.000000
12	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.000	0.006	0.003	0.003	0.008	0.014	0.014	0.034	0.065	1.000000

13	0.045	0.035	0.043	0.006	0.061	0.012	0.025	0.004	0.000	0.008	0.012	0.024	0.006	0.006	0.012	0.000	1.000001
14	0.004	0.013	0.009	0.007	0.011	0.005	0.009	0.004	0.001	0.009	0.000	0.005	0.007	0.005	0.007	0.003	1.000000
15	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.015	0.007	0.007	0.007	1.000000
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000000
17	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
18	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
19	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
20	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
21	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
22	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
23	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
24	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
25	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
26	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
27	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
28	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
29	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
30	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
31	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
32	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
33	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
34	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
35	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
36	0.020	0.008	0.011	0.016	0.022	0.011	0.015	0.027	0.026	0.030	0.027	0.029	0.028	0.026	0.035	0.031	1.000000
37	0.010	0.012	0.009	0.007	0.013	0.008	0.012	0.011	0.011	0.016	0.016	0.017	0.018	0.019	0.023	0.021	1.000000

USER INPUT IS READ FROM UNIT 25
RECORD IDENTIFIER FIELDS 11 CHARACTERS LONG ARE EXPECTED.
THE FIRST 499 COLUMNS OF EACH INPUT RECORD ARE PROCESSED.

RECORD
NUMBER RECORD

* File created using WinMACCS version 3.7.0 4/16/2014 1:55:52 PM
*
* Form 'Dose Conversion Factor File' Comment:
* This input not used (only usede for LNT).
*

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  * DCF_FILE - Identifies the DCF file to be used for the MACCS calculation
1 DCF_FILE001          'J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\FGR13GyEquivDCF.INP'
  *
  * Form 'Early Description' Comment:
  * Evac 0 to 10, Shelter 10 to 20 w/20%Shadow
  *
  * EANAM1 - Identifies the EARLY calculation
2 MIEANAM1001          'SOARCA calculation for Peach Bottom LTSBO, EARLY input'
  *
  * ENDAT2 - control flag allowing execution of ATMOS and EARLY without CHRONC
3 MIENDAT2001          .FALSE.
  *
  * IPLUME - dispersion code option
4 MIIPLUME001          3
  *
  * Form 'Grid Subdivisions' Comment:
  * Value used in NUREG-1150.
  *
  * NUMFIN - number of fine-grid subdivisions used by model
5 MINUMFIN001          7
  *
  * IPRINT - amount of output desired
6 MIIPRINT001          0
  *
  * POPFLG - is population uniform or defined by Site Data File.
7 PDPOPFLG001          FILE
  *
  * ORGNAM_FGR13, ORGFLG_FGR13 - list of organs to be included in the calculations using FGR13 DCF file
8 MIORGDEF001          A-SKIN  .TRUE.
9 MIORGDEF002          'A-RED MARR'    .TRUE.
10 MIORGDEF003         A-LUNGS         .TRUE.
11 MIORGDEF004         A-THYROID       .TRUE.
12 MIORGDEF005         A-STOMACH       .TRUE.
13 MIORGDEF006         'A-LOWER LI'    .TRUE.
14 MIORGDEF007         L-ICRP60ED      .TRUE.
15 MIORGDEF008         'L-RED MARR'    .TRUE.
16 MIORGDEF009         'L-BONE SUR'    .TRUE.
17 MIORGDEF010         L-BREAST        .TRUE.
18 MIORGDEF011         L-LUNGS         .TRUE.
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19  MIORGDEF012       L-THYROID        .TRUE.
20  MIORGDEF013       'L-LOWER LI'     .TRUE.
21  MIORGDEF014       'L-BLAD WAL'     .TRUE.
22  MIORGDEF015       L-LIVER .TRUE.
  *
  * RISCAT - Output relative contribution of each weather category bins
23  MIRISCAT001       .FALSE.
  *
  * OVRRID - Flag indicating if Wind Rose defaults from ATMOS are to be overridden
24  MIOVRRID001       .FALSE.
  *
  * Form 'Shielding and Exposure' Comment:
  * Data taken directly from NUREG-1150 for Peach Bottom.
  *
  * CSFACT - Cloudshine shielding factor
25  SECSFACT001       1.
26  SECSFACT002       0.6
27  SECSFACT003       0.5
  *
  * PROTIN - Inhalation protection factor
28  SEPROTIN001       0.98
29  SEPROTIN002       0.46
30  SEPROTIN003       0.33
  *
  * BRRATE - Breathing rates
31  SEBRRATE001       2.66E-04
32  SEBRRATE002       2.66E-04
33  SEBRRATE003       2.66E-04
  *
  * SKPFAC - skin protection factors
34  SESKPFAC001       0.98
35  SESKPFAC002       0.46
36  SESKPFAC003       0.33
  *
  * GSHFAC - groundshine shielding factors
37  SEGSHFAC001       0.5
38  SEGSHFAC002       0.18
39  SEGSHFAC003       0.1
  *
```

```
   * Form 'Emergency Phase Resuspension' Comment:
   * Values from NUREG-1150.
   *
   * RESCON - Initial value for emergency-phase resuspension concentration factor.
40  SERESCON001       1.E-04
   *
   * RESHAF - Emergency-phase resuspension concentration coefficient weathering half-life.
41  SERESHAF001       1.82000E+05
   *
   * Form 'Basic Parameters' Comment:
   * Public (0-10) and Shadow (10-20)
   *
   * EANAM2 - Name of emergency response cohort
42  EZEANAM2001       'Group 1'
   *
   * WTNAME - type of weighting factor to be used in generating weighted sum of results
43  EZWTNAME001       PEOPLE
   *
   * WTFRAC - weighting fraction applied to results of emergency response cohort
44  EZWTFRAC001       0.2
   *
   * EVATYP - decides on radial or network evacuation option.
45  EZEVATYP001       NETWORK
   *
   * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
46  TRAVELPOINT       CENTERPOINT
   *
   * ESPEED - evacuee travel speed during the three phases of evacuation
47  EZESPEED001       2.235
48  EZESPEED002       1.341
49  EZESPEED003       8.941
   *
   * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
50  EZESPMUL001       0.7
51  EZESPMUL002       0.7
52  EZESPMUL003       0.7
   *
   * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
53  EZREFPNT001       ALARM
```

```
    *
    * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 54 EZDURBEG001       900.
    *
    * DURMID - duration of middle phase of evacuation, in seconds.
 55 EZDURMID001       10800.
    *
    * Form 'Sheltering and Evacuation Boundary' Comment:
    * Evacuation to  20 miles and evacuees travel to 30 miles before disapearing from the calculation.
    *
    * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 56 EZNUMEVA001       15
    *
    * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when
individuals begin evacuation.
 57 EZDLTSHL001       5400.
 58 EZDLTSHL002       5400.
 59 EZDLTSHL003       5400.
 60 EZDLTSHL004       5400.
 61 EZDLTSHL005       5400.
 62 EZDLTSHL006       5400.
 63 EZDLTSHL007       5400.
 64 EZDLTSHL008       5400.
 65 EZDLTSHL009       5400.
 66 EZDLTSHL010       5400.
 67 EZDLTSHL011       5400.
 68 EZDLTSHL012       5400.
 69 EZDLTSHL013       5400.
 70 EZDLTSHL014       5400.
 71 EZDLTSHL015       5400.
    *
    * DLTEVA -Delay time to begin evacuation
 72 EZDLTEVA001       3600.
 73 EZDLTEVA002       3600.
 74 EZDLTEVA003       3600.
 75 EZDLTEVA004       3600.
 76 EZDLTEVA005       3600.
 77 EZDLTEVA006       3600.
 78 EZDLTEVA007       3600.
```

```
79 EZDLTEVA008      3600.
80 EZDLTEVA009      3600.
81 EZDLTEVA010      3600.
82 EZDLTEVA011      3600.
83 EZDLTEVA012      3600.
84 EZDLTEVA013      3600.
85 EZDLTEVA014      3600.
86 EZDLTEVA015      3600.
  *
  * ESPGRD_NET - Evacuation speed multiplier for network evacuation
87 EZESPGRD001      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
88 EZESPGRD002      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
89 EZESPGRD003      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
90 EZESPGRD004      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
91 EZESPGRD005      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
92 EZESPGRD006      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
93 EZESPGRD007      0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
       1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
```

94	EZESPGRD008	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
95	EZESPGRD009	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
96	EZESPGRD010	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
97	EZESPGRD011	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
98	EZESPGRD012	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
99	EZESPGRD013	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	0.75	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75	
100	EZESPGRD014	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.5	1.5	1.5	1.5	1.5	1.5	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	0.75	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
101	EZESPGRD015	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.5	1.5	1.5	1.	1.	1.	1.	1.	1.5	1.5	1.5
	1.5	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	0.75	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
102	EZESPGRD016	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.75	0.75	0.75		
103	EZESPGRD017	0.75	0.75	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.

```
      1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
      1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     0.75   0.75   0.75
   *
   * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
104  EZIDIREC001   1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
105  EZIDIREC002   1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
106  EZIDIREC003   1      1      1      1      1      1      1      1      1      1      1      1      1      2      1
      1      1      1      1      1      1      1      1      1      2      1      4      4      4      4      2      2
      2      2      2      1      1      1      4      4      4      4      2      2      2      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      4      1      1
107  EZIDIREC004   1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      4      2      2      1      1      1      1      4      4      4      2      2      1      4      4      2      1
      4      4      2      1      1      4      2      1      4      4      4      4      4      1      1
108  EZIDIREC005   1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
      4      1      1      1      1      1      1      1      1      1      2      2      2      2      2      2      1
      1      1      1      1      2      1      4      4      2      2      1      4      4      2      2      1      4
      4      2      2      1      4      4      2      1      1      1      1      1      1      1      1
109  EZIDIREC006   1      1      1      1      1      1      1      1      1      1      1      1      1      1      4
      1      1      1      1      1      1      1      1      1      1      1      2      2      2      2      2      2
      2      2      1      1      1      1      2      1      1      4      2      2      1      2      1      4      4
      2      2      1      4      4      4      4      4      4      4      1      1      1      1      1
110  EZIDIREC007   2      2      1      2      2      1      2      2      1      4      2      1      4      2      2
      1      1      1      1      1      1      1      1      1      1      1      2      2      1      4      4      2
      1      1      1      1      4      4      2      2      1      1      4      4      1      1      4      1      4
      2      2      1      4      4      4      4      4      4      1      1      1      1      1      1
111  EZIDIREC008   1      4      1      1      4      2      1      4      2      1      1      4      2      2      1
      1      2      1      1      1      4      4      4      1      1      1      1      1      1      4      1      4
      2      1      4      4      2      1      2      1      2      1      4      2      1      4      2      1      1
      4      2      1      4      4      4      2      2      1      1      1      1      1      2      2
112  EZIDIREC009   1      1      4      2      1      1      2      1      1      4      1      4      1      4      1
      1      1      2      1      1      1      4      4      4      1      1      4      1      2      2      2      1
```

```
      1       2       1       4       2       1       2       1       2       1       1       4       1       4       1       4       4
      2       2       1       4       2       1       4       1       4       1       1       1       2       2       2
113 EZIDIREC010       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       4       4       4
      2       2       2       2       1       2       1       4       2       1       1       1       4       2       1       4       4
      2       2       1       1       1       1       1       4       4       1       1       1       1       1       1
114 EZIDIREC011       1       1       4       2       1       4       2       1       4       4       2       1       4       2       1
      4       4       2       2       2       2       2       2       1       4       4       1       1       4       2       2       1
      1       1       4       2       1       4       1       4       2       1       4       1       1       2       1       1       4
      4       4       2       2       2       1       4       4       4       2       2       1       4       2       2
115 EZIDIREC012       2       1       1       4       1       1       4       1       4       4       2       1       4       2       1
      1       4       4       2       2       2       1       4       1       2       1       2       2       1       4       4       2
      2       1       1       4       4       2       1       1       1       1       4       1       1       1       1       4       4
      4       2       2       2       2       1       4       2       1       1       2       2       1       4       2
116 EZIDIREC013       1       1       4       1       4       2       1       1       2       1       4       4       2       2       1
      1       1       1       1       1       1       2       1       2       2       1       1       2       1       4       2       2
      1       4       2       1       4       4       1       1       4       2       1       1       2       1       2       1       4
      4       2       2       2       1       1       4       2       1       4       2       1       4       1       1
117 EZIDIREC014       1       1       4       1       1       1       2       1       2       1       2       1       1       2       1
      1       1       1       1       1       1       4       1       1       1       1       2       1       4       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       2       1       1
      4       4       2       2       1       1       4       1       4       1       1       1       1       1       1
118 EZIDIREC015       1       1       4       2       2       2       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       4       4       4       2       2       2       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       4       1       2       1       1       1
      4       2       1       2       1       1       2       1       1       2       2       2       1       2       1
119 EZIDIREC016       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
120 EZIDIREC017       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
   *
   * LASMOV - The outermost spatial interval of the evacuation movement zone.
121 EZLASMOV001       17
   *
   * Form 'Duration of Early Phase' Comment:
```

```
   * 1 week.
   *
   * ENDEMP - duration of the emergency-phase period, seconds
122  SRENDEMP001      6.04800E+05
   *
   * CRIORG - critical organ for relocation decisions during emergency-phase period
123  SRCRIORG001      L-ICRP60ED
   *
   * Form 'Hot Spot Relocation' Comment:
   * Randy Sullivan recommended these values.
   *
   * TIMHOT - hot-spot relocation action time, seconds after plume arrival
124  SRTIMHOT001      43200.
   *
   * Form 'Normal Relocation' Comment:
   * Randy Sullivan recommended these values.
   *
   *
   * TIMNRM - Normal Relocation Time (Seconds from Plume Arrival)
125  SRTIMNRM001      86400.
   *
   * DOSHOT - Hot-Spot Relocation Dose Threshold (Sieverts)
126  SRDOSHOT001      0.05
   *
   * DOSNRM - Normal Relocation Dose Threshold (Sieverts)
127  SRDOSNRM001      0.005
   *
   * NUMEFA - Number of Early Fatality Effects
128  EFNUMEFA001      3
   *
   * ORGNAM2, EFFACA, EFFACB, EFFTHR Early Fatality Effects - target organ, alpha factor and beta factor for hazard function, and threshold dose (Sieverts)
129  EFATAGRP001      'A-RED MARR'    5.6       6.1       2.32
130  EFATAGRP002      A-LUNGS         23.5      9.6       13.6
131  EFATAGRP003      A-STOMACH       12.1      9.3       6.5
   *
   * NUMEIN - Number of Early Injury Effects
132  EINUMEIN001      7
   *
```

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    * ORGNAM3, EINAME, EISUSC, EITHRE, EIFACA, EIFACB Early Injury Effects - name, target organ, affected population fract, threshold dose, alpha factor, beta factor.
 133  EINJUGRP001      'PRODROMAL VOMIT'    A-STOMACH     1.        0.5       2.        3.
 134  EINJUGRP002      DIARRHEA         A-STOMACH     1.        1.        3.        2.5
 135  EINJUGRP003      PNEUMONITIS      A-LUNGS       1.        9.2       16.6      7.3
 136  EINJUGRP004      'SKIN ERYTHEMA'      A-SKIN    1.        3.        6.        5.
 137  EINJUGRP005      TRANSEPIDERMAL       A-SKIN    1.        10.       20.       5.
 138  EINJUGRP006      THYROIDITIS      A-THYROID     1.        40.       240.      2.
 139  EINJUGRP007      HYPOTHYROIDISM       A-THYROID     1.        2.        60.       1.3
    *
    * Form 'Latent Cancer Parameters' Comment:
    * Risk factors are those recommended by Keith Eckerman to use with a FGR-13 DCF file set modified as follows:
    * Red marrow DCFs have been modified to use a RBE of 1 for alpha radiation; breast DCFs have been modified to use an RBE of 10 for alpha radiation.
    * As a kluge, the organ named bladder wall contains data for the pancreas, which is used as a surrogate for the soft tissue for the purpose of evaluating residual cancers.
    *
    * NUMACA - number of latent cancer effects
 140  LCNUMACA001      8
    *
    * ACTHRE - dose threshold for linear dose response, Sieverts
 141  LCACTHRE001      0.
    *
    * DDTHRE - dose threshold for applying dose-dependent reduction factor, DDREFA
 142  LCDDTHRE001      0.2
    *
    * ACNAME, ORGNAM4, ACSUSC, DOSEFA, DOSEFB, CFRISK, CIRISK, DDREFA - Latent Cancer Effects Parameters
 143  LCANCERS001      LEUKEMIA         'L-RED MARR'  1.        1.        0.        0.0111    0.0113    2.
 144  LCANCERS002      BONE     'L-BONE SUR'  1.        1.        0.        1.9E-04   2.71E-04          2.
 145  LCANCERS003      BREAST           L-BREAST      1.        1.        0.        0.00506   0.0101    1.
 146  LCANCERS004      LUNG     L-LUNGS       1.        1.        0.        0.0198    0.0208    2.
 147  LCANCERS005      THYROID          L-THYROID     1.        1.        0.        6.48E-04          0.00648   2.
 148  LCANCERS006      LIVER    L-LIVER 1.        1.        0.        0.003     0.00316   2.
 149  LCANCERS007      COLON    'L-LOWER LI'  1.        1.        0.        0.0208    0.0378    2.
 150  LCANCERS008      RESIDUAL         'L-BLAD WAL'  1.        1.        0.        0.0493    0.169     2.
    *
    * NUM1=0
 151  TYPE1NUMBER      0
    *
    * NUM1 - Number of results of type 1
```

```
 152  TYPE1NUMBER     36
******** RECORD NUMBER  152 REPLACES RECORD NUMBER  151  ********
     *
     * NAME1, I1DIS1, I2DIS1, CCDF1 - Health-Effect Cases
 153  TYPE1OUT001     'ERL FAT/TOTAL'1          12        NONE
 154  TYPE1OUT002     'ERL FAT/TOTAL'1          19        NONE
 155  TYPE1OUT003     'ERL FAT/TOTAL'1          26        NONE
 156  TYPE1OUT004     'CAN FAT/TOTAL'           1         12        NONE
 157  TYPE1OUT005     'CAN FAT/TOTAL'           1         15        NONE
 158  TYPE1OUT006     'CAN FAT/TOTAL'           1         17        NONE
 159  TYPE1OUT007     'CAN FAT/TOTAL'           1         18        NONE
 160  TYPE1OUT008     'CAN FAT/TOTAL'           1         19        NONE
 161  TYPE1OUT009     'CAN FAT/TOTAL'           1         21        NONE
 162  TYPE1OUT010     'CAN FAT/TOTAL'           1         23        NONE
 163  TYPE1OUT011     'CAN FAT/TOTAL'           1         25        NONE
 164  TYPE1OUT012     'CAN FAT/THYROID'         1         12        NONE
 165  TYPE1OUT013     'CAN FAT/THYROID'         1         15        NONE
 166  TYPE1OUT014     'CAN FAT/THYROID'         1         17        NONE
 167  TYPE1OUT015     'CAN FAT/THYROID'         1         18        NONE
 168  TYPE1OUT016     'CAN FAT/THYROID'         1         19        NONE
 169  TYPE1OUT017     'CAN FAT/THYROID'         1         21        NONE
 170  TYPE1OUT018     'CAN FAT/THYROID'         1         23        NONE
 171  TYPE1OUT019     'CAN FAT/THYROID'         1         26        NONE
 172  TYPE1OUT020     'CAN FAT/BREAST'          1         12        NONE
 173  TYPE1OUT021     'CAN FAT/BREAST'          1         15        NONE
 174  TYPE1OUT022     'CAN FAT/BREAST'          1         17        NONE
 175  TYPE1OUT023     'CAN FAT/BREAST'          1         18        NONE
 176  TYPE1OUT024     'CAN FAT/BREAST'          1         19        NONE
 177  TYPE1OUT025     'CAN FAT/BREAST'          1         21        NONE
 178  TYPE1OUT026     'CAN FAT/BREAST'          1         23        NONE
 179  TYPE1OUT027     'CAN FAT/BREAST'          1         26        NONE
 180  TYPE1OUT028     'ERL FAT/TOTAL'1          3         NONE
 181  TYPE1OUT029     'ERL FAT/TOTAL'1          4         NONE
 182  TYPE1OUT030     'ERL FAT/TOTAL'1          5         NONE
 183  TYPE1OUT031     'ERL FAT/TOTAL'1          6         NONE
 184  TYPE1OUT032     'ERL FAT/TOTAL'1          7         NONE
 185  TYPE1OUT033     'ERL FAT/TOTAL'1          8         NONE
 186  TYPE1OUT034     'ERL FAT/TOTAL'1          9         NONE
 187  TYPE1OUT035     'ERL FAT/TOTAL'1          10        NONE
```

```
 188  TYPE1OUT036       'ERL FAT/TOTAL'1          11         NONE
     *
     * NUM2=0
 189  TYPE2NUMBER       0
     *
     * NUM2 - Number of results of type 2
 190  TYPE2NUMBER       1
********   RECORD NUMBER   190 REPLACES RECORD NUMBER   189   ********
     *
     * RISTHR, CCDF2  - Early-Fatality Radius
 191  TYPE2OUT001       0.          NONE
     *
     * NUM3=0
 192  TYPE3NUMBER       0
     *
     * NUM3 - Number of results of type 3
 193  TYPE3NUMBER       3
********   RECORD NUMBER   193 REPLACES RECORD NUMBER   192   ********
     *
     * NAME3, DOSTH3, CCDF3 - Population Exceeding a Dose Threshold
 194  TYPE3OUT001       'A-RED MARR'    2.32       NONE
 195  TYPE3OUT002       A-LUNGS         13.6       NONE
 196  TYPE3OUT003       A-STOMACH       6.5        NONE
     *
     * NUM4=0
 197  TYPE4NUMBER       0
     *
     * NUM5 =0
 198  TYPE5NUMBER       0
     *
     * NUM5 - Number of results of type 5
 199  TYPE5NUMBER       4
********   RECORD NUMBER   199 REPLACES RECORD NUMBER   198   ********
     *
     * NAME5, I1DIS5, CCDF5 - Population Dose
 200  TYPE5OUT001       L-ICRP60ED      1          12         NONE
 201  TYPE5OUT002       L-ICRP60ED      1          19         NONE
 202  TYPE5OUT003       L-ICRP60ED      1          21         NONE
 203  TYPE5OUT004       L-ICRP60ED      1          26         NONE
```

```
    *
    * NUM6 =0
 204  TYPE6NUMBER      0
    *
    * NUM7=0
 205  TYPE7NUMBER      0
    *
    * NUM8=0
 206  TYPE8NUMBER      0
    *
    * NUM8 - Number of results of type 8
 207  TYPE8NUMBER      14
********   RECORD NUMBER   207 REPLACES RECORD NUMBER   206   ********
    *
    * NAME8, I1DIS8, I2DIS8, CCDF8 - Population-Weighted Risk
 208  TYPE8OUT001      'CAN FAT/TOTAL'          1          12         NONE
 209  TYPE8OUT002      'CAN FAT/TOTAL'          1          15         NONE
 210  TYPE8OUT003      'CAN FAT/TOTAL'          1          17         NONE
 211  TYPE8OUT004      'CAN FAT/TOTAL'          1          18         NONE
 212  TYPE8OUT005      'CAN FAT/TOTAL'          1          19         NONE
 213  TYPE8OUT006      'CAN FAT/TOTAL'          1          21         NONE
 214  TYPE8OUT007      'ERL FAT/TOTAL'1         3          NONE
 215  TYPE8OUT008      'ERL FAT/TOTAL'1         4          NONE
 216  TYPE8OUT009      'ERL FAT/TOTAL'1         5          NONE
 217  TYPE8OUT010      'ERL FAT/TOTAL'1         6          NONE
 218  TYPE8OUT011      'ERL FAT/TOTAL'1         7          NONE
 219  TYPE8OUT012      'ERL FAT/TOTAL'1         8          NONE
 220  TYPE8OUT013      'ERL FAT/TOTAL'1         9          NONE
 221  TYPE8OUT014      'ERL FAT/TOTAL'1         10         NONE
    *
    * NUMA=0
 222  TYPEANUMBER      0
    *
    * NUMA - Number of results of type A
 223  TYPEANUMBER      2
********   RECORD NUMBER   223 REPLACES RECORD NUMBER   222   ********
    *
    * NAMEA, I1DISA, I2DISA, CCDFA - Peak Dose vs Distance
 224  TYPEAOUT001      L-ICRP60ED       1          26         NONE
```

```
 225  TYPEAOUT002       'A-RED MARR'    1           26          NONE
    *
    * NUMB =0
 226  TYPEBNUMBER       0
    *
    * NUMC=0
 227  TYPECNUMBER       0
    *
    * NUMD = 0
 228  TYPEDNUMBER       0
    *
    * NUMD number of typeD output
 229  TYPEDNUMBER       4
********   RECORD NUMBER   229 REPLACES RECORD NUMBER   228   ********
    *
    * I1DISD, NUCLIDED, ELEVCONC, PRINT_FLAG_D
 230  TYPEDOUT001       25          Cs-137   37000.    .FALSE.
 231  TYPEDOUT002       25          Cs-137   1.85000E+05       .FALSE.
 232  TYPEDOUT003       25          Cs-137   5.55000E+05       .FALSE.
 233  TYPEDOUT004       25          Cs-137   1.480000E+06      .FALSE.
    *
    * DOSMOD, dose model, LNT, AT or PL
 234  LCDOSMOD001       LNT
    *
    * KIMODL, KI model
 235  EZKIMODL001       KI
    *
    * EFFACY,  KI Ingestion
 236  EZEFFACY001       0.7
    *
    * POPFRAC, KI Ingestion
 237  EZPOPFRC001       1.
    *
    * FRACLD_FILE - popflg=FILE, dummy variable
 238  STFRACLD001       1.0
    *
    * NUME=0
 239  TYPEENUMBER       0
    .
```

******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********

USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ = 435
NUMBER OF BLANK OR COMMENT RECORDS READ = 195
NUMBER OF TERMINATOR RECORDS = 1
NUMBER OF RECORDS PROCESSED = 239
NUMBER OF PROCESSED RECORDS DUPLICATED = 7
NUMBER OF PROCESSED RECORDS SORTED = 232
****

THE KI MODEL IS IN EFFECT
READING DCF FILE:J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\FGR13GyEquivDCF.INP
DCF FILE is of type :FGR13DF
Am using a FGR13DCF dose factor file

The list of defined organs is as follows (A- is ACUTE and L- is LIFETIME):
A-SKIN
A-RED MARR
A-LUNGS
A-THYROID
A-STOMACH
A-LOWER LI
L-ICRP60ED
L-RED MARR
L-BONE SUR
L-BREAST
L-LUNGS
L-THYROID
L-LOWER LI
L-BLAD WAL
L-LIVER

READING FROM A DOSE CONVERSION FILE WITH THE FOLLOWING HEADER:
FGR13DF 5/13/2008 12:23:56 Version 1.03, Gy-Equivalent DCFs
Internal Dose Coefficients derived from FGR 13, EPA 402-R-99-001

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

IRAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	
7	2	2	1	2	2	1	2	2	1	4	2	1	4	2	2	1
8	1	4	1	1	4	2	1	4	2	1	1	4	2	2	1	1
9	1	1	4	2	1	1	2	1	1	4	1	4	1	4	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	4	2	1	4	2	1	4	4	2	1	4	2	1	4
12	2	1	1	4	1	1	4	1	4	4	2	1	4	2	1	1
13	1	1	4	1	4	2	1	1	2	1	4	4	2	2	1	1
14	1	1	4	1	1	1	2	1	2	1	2	1	1	2	1	1
15	1	1	4	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	1	1	1	1	1	1	1	2	1	4	4	4	4	2	2	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	
6	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
7	1	1	1	1	1	1	1	1	1	2	2	1	4	4	2	
8	2	1	1	1	4	4	4	1	1	1	1	1	1	4	1	4
9	1	2	1	1	1	4	4	4	1	1	4	1	2	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4
11	4	2	2	2	2	2	2	1	4	4	1	1	4	2	2	1
12	4	4	2	2	2	1	4	1	2	1	2	2	1	4	4	2

13	1	1	1	1	1	2	1	2	2	1	1	2	1	4	2	2
14	1	1	1	1	1	4	1	1	1	1	2	1	4	1	1	1
15	1	1	1	1	1	1	1	4	4	4	2	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	2	2	2	1	1	1	4	4	4	4	2	2	2	1	1	1
4	4	2	2	1	1	1	1	4	4	4	2	2	1	4	4	2
5	1	1	1	1	2	1	4	4	2	2	1	4	4	2	2	1
6	2	2	1	1	1	1	2	1	1	4	2	2	1	2	1	4
7	1	1	1	1	4	4	2	2	1	1	4	4	1	1	4	1
8	2	1	4	4	2	1	2	1	2	1	4	2	1	4	2	1
9	1	2	1	4	2	1	2	1	2	1	1	4	1	4	1	4
10	2	2	2	2	1	2	1	4	2	1	1	1	4	2	1	4
11	1	1	4	2	1	4	1	4	2	1	4	1	1	2	1	1
12	2	1	1	4	4	2	1	1	1	1	4	1	1	1	1	4
13	1	4	2	1	4	4	1	1	4	2	1	1	2	1	2	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
15	1	1	1	1	1	1	1	1	1	1	1	4	1	2	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	1	1	1	1	1	1	1	1	1	1	1	4	1	1		
4	1	4	4	2	1	1	4	2	1	4	4	4	4	4	1	1
5	4	4	2	2	1	4	4	2	1	1	1	1	1	1	1	1
6	4	2	2	1	4	4	4	4	4	4	4	1	1	1	1	1
7	4	2	2	1	4	4	4	4	4	4	1	1	1	1	1	1
8	1	4	2	1	4	4	4	2	2	1	1	1	1	1	2	2
9	4	2	2	1	4	2	1	4	1	4	1	1	1	2	2	2
10	4	2	2	1	1	1	1	1	4	4	1	1	1	1	1	1
11	4	4	4	2	2	2	1	4	4	4	2	2	1	4	2	2
12	4	4	2	2	2	2	1	4	2	1	1	2	2	1	4	2
13	4	4	2	2	2	1	1	4	2	1	4	2	1	4	1	1

```
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
```

USING THE FOLLOWING SITE DATA FILE:

```
 SECPOP2000 Version: 3.13.1 MACCS2 Formatted Site:  File for Peach Bottom Census: C:\Program Files\SecPOP_2000\Census\CENSUS00.DAT County:
C:\Program Files\SecPOP_2000\Census\COUNTY2002RA.DAT* Created from C:\NBixler\WinMACCS Projects\SOARCA\PeachBottomLTSBO-SNL-
Jan2008\Data\PBSite2005_16.inp using PopMod 1.0.4 1/30/2008 11:29:59 AM
 Lat: 39d45'32" Long:  76d16' 9" Population multiplier: 1.0533 Economic multiplier: 1.0900 Run Time: 1/30/2008 11:19:40 AM
  26 SPATIAL INTERVALS
  64 WIND DIRECTIONS
   7 CROP CATEGORIES
   4 WATER PATHWAY ISOTOPES
   1 WATERSHEDS
  97 ECONOMIC REGIONS
 SPATIAL DISTANCES     KILOMETERS
    0.1600    0.5200    1.2100    1.6100    2.1300    3.2200    4.0200    4.8300
    5.6300    8.0500   11.2700   16.0900   20.9200   25.7500   32.1900   40.2300
   48.2800   64.3700   80.4700  112.6500  160.9300  241.1400  321.8700  563.2700
  804.6700 1609.3400
 POPULATION
        0.        0.        0.        0.        0.        0.        0.       10.
        0.       75.       91.      441.      974.     2270.    20579.    14374.
    13365.     7746.    14578.    23266.    53790.    58178.   144007.   307909.
     5990.        0.
        0.        0.        0.        0.        0.        0.        0.       10.
        0.       75.       91.      441.      974.     2270.    20579.    14374.
    13365.     7746.    14578.    23266.    53790.    58178.   144007.   307909.
     5990.        0.
        0.        0.        0.        0.        0.        0.        3.        5.
        8.       65.      118.      546.     1330.     1707.    11579.     8784.
     9326.    10518.    35073.    25288.    55925.    90244.    94416.   344069.
    63680.        8.
        0.        0.        0.        0.        0.        0.        6.        0.
       15.       56.      145.      651.     1686.     1143.     2578.     3193.
     5287.    13291.    55569.    27311.    58059.   122309.    44825.   380230.
```

121371. 16.
0. 0. 0. 0. 0. 0. 6. 0.
15. 56. 145. 651. 1686. 1143. 2578. 3193.
5287. 13291. 55569. 27311. 58059. 122309. 44825. 380230.
121371. 16.
0. 0. 0. 0. 0. 0. 6. 0.
15. 56. 145. 651. 1686. 1143. 2578. 3193.
5287. 13291. 55569. 27311. 58059. 122309. 44825. 380230.
121371. 16.
0. 0. 0. 0. 0. 2. 11. 17.
8. 81. 132. 451. 1055. 902. 1940. 3560.
5237. 11687. 42372. 54016. 107327. 345198. 240492. 1082362.
239683. 37261.
0. 0. 0. 0. 0. 5. 15. 33.
0. 106. 120. 250. 424. 660. 1303. 3927.
5188. 10083. 29175. 80721. 156594. 568087. 436159. 1784494.
357994. 74505.
0. 0. 0. 0. 0. 5. 15. 33.
0. 106. 120. 250. 424. 660. 1303. 3927.
5188. 10083. 29175. 80721. 156594. 568087. 436159. 1784494.
357994. 74505.
0. 0. 0. 0. 0. 5. 15. 33.
0. 106. 120. 250. 424. 660. 1303. 3927.
5188. 10083. 29175. 80721. 156594. 568087. 436159. 1784494.
357994. 74505.
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7. 109. 123. 238. 466. 467. 1153. 2803.
5837. 23167. 39984. 345788. 232664. 1873291. 692315. 1450802.
182707. 37253.
0. 0. 0. 0. 0. 0. 11. 1.
14. 112. 127. 225. 508. 274. 1004. 1679.
6487. 36251. 50793. 610856. 308735. 3178496. 948471. 1117110.
7420. 0.
0. 0. 0. 0. 0. 0. 11. 1.
14. 112. 127. 225. 508. 274. 1004. 1679.
6487. 36251. 50793. 610856. 308735. 3178496. 948471. 1117110.
7420. 0.
0. 0. 0. 0. 0. 0. 11. 1.
14. 112. 127. 225. 508. 274. 1004. 1679.

6487. 36251. 50793. 610856. 308735. 3178496. 948471. 1117110.
7420. 0.
0. 0. 0. 0. 0. 0. 6. 6.
17. 95. 148. 360. 576. 1085. 1719. 2811.
10231. 52831. 53538. 410254. 194203. 1641170. 474236. 558555.
3710. 0.
0. 0. 0. 0. 0. 1. 1. 12.
20. 78. 170. 494. 644. 1897. 2435. 3944.
13976. 69410. 56283. 209653. 79672. 103844. 0. 0.
0. 0.
0. 0. 0. 0. 0. 1. 1. 12.
20. 78. 170. 494. 644. 1897. 2435. 3944.
13976. 69410. 56283. 209653. 79672. 103844. 0. 0.
0. 0.
0. 0. 0. 0. 0. 1. 1. 12.
20. 78. 170. 494. 644. 1897. 2435. 3944.
13976. 69410. 56283. 209653. 79672. 103844. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 6.
22. 82. 153. 506. 1073. 1318. 2155. 4101.
14452. 48002. 30358. 118948. 74821. 59594. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.
23. 86. 137. 517. 1503. 740. 1874. 4258.
14928. 26593. 4432. 28244. 69971. 15344. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.
23. 86. 137. 517. 1503. 740. 1874. 4258.
14928. 26593. 4432. 28244. 69971. 15344. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.
23. 86. 137. 517. 1503. 740. 1874. 4258.
14928. 26593. 4432. 28244. 69971. 15344. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.
11. 56. 155. 480. 1185. 891. 1761. 2705.
8070. 15083. 5280. 26398. 49706. 10925. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.

0. 26. 174. 444. 867. 1042. 1647. 1152.
1212. 3573. 6127. 24552. 29442. 6505. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.
0. 26. 174. 444. 867. 1042. 1647. 1152.
1212. 3573. 6127. 24552. 29442. 6505. 0. 0.
0. 0.
0. 0. 0. 0. 0. 0. 0. 0.
0. 26. 174. 444. 867. 1042. 1647. 1152.
1212. 3573. 6127. 24552. 29442. 6505. 0. 0.
0. 0.
0. 0. 0. 0. 0. 5. 2. 0.
3. 23. 191. 412. 610. 1179. 4427. 731.
759. 3291. 4321. 17078. 28729. 24987. 88. 0.
0. 0.
0. 0. 0. 0. 0. 10. 3. 0.
6. 20. 208. 381. 353. 1317. 7207. 310.
306. 3010. 2516. 9605. 28016. 43469. 175. 0.
0. 0.
0. 0. 0. 0. 0. 10. 3. 0.
6. 20. 208. 381. 353. 1317. 7207. 310.
306. 3010. 2516. 9605. 28016. 43469. 175. 0.
0. 0.
0. 0. 0. 0. 0. 10. 3. 0.
6. 20. 208. 381. 353. 1317. 7207. 310.
306. 3010. 2516. 9605. 28016. 43469. 175. 0.
0. 0.
0. 0. 0. 0. 0. 5. 3. 3.
7. 29. 140. 501. 552. 2296. 8192. 5420.
932. 1962. 2144. 12626. 24286. 34494. 120104. 151270.
11241. 0.
0. 0. 0. 0. 0. 0. 2. 5.
8. 38. 73. 622. 751. 3275. 9177. 10529.
1557. 915. 1772. 15648. 20556. 25519. 240033. 302539.
22481. 0.
0. 0. 0. 0. 0. 0. 2. 5.
8. 38. 73. 622. 751. 3275. 9177. 10529.
1557. 915. 1772. 15648. 20556. 25519. 240033. 302539.
22481. 0.

0. 0. 0. 0. 0. 0. 2. 5.
8. 38. 73. 622. 751. 3275. 9177. 10529.
1557. 915. 1772. 15648. 20556. 25519. 240033. 302539.
22481. 0.
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WATERSHED INDEX
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7 ROOTS AND TUBERS 150. 240. 0.0030

WATERSHED DEFINITION -- INITIAL AND ANNUAL WASHOFF AND INGESTION FACTORS

1 Sr-89	5.00E-06	0.0	
2 Sr-90	5.00E-06	0.0	
3 Cs-134	5.00E-06	0.0	
4 Cs-137	5.00E-06	0.0	

REGIONAL ECONOMIC DATA

1 EXCLUSION	.493	.164	1393.0	12941.6	233218.6
2 REGION_02	.493	.164	1393.0	12941.6	233218.6
3 REGION_03	.678	.333	5221.1	21426.1	234994.2
4 REGION_04	.678	.333	5221.1	21426.1	234994.0
5 REGION_05	.327	.186	1943.4	10750.6	213214.4
6 REGION_06	.322	.627	899.5	4085.8	193086.4
7 REGION_07	.000	.000	0.0	0.0	0.0
8 REGION_08	.000	.000	0.0	0.0	0.0
9 REGION_09	.678	.333	5221.1	21426.1	234994.2
10 REGION_10	.678	.333	5221.1	21426.1	234994.3
11 REGION_11	.276	.142	2095.8	13396.2	229678.7
12 REGION_12	.183	.521	830.5	4691.9	202840.3
13 REGION_13	.000	.000	0.0	0.0	0.0
14 REGION_14	.678	.333	5221.1	21426.1	234994.2
15 REGION_15	.678	.333	5221.1	21426.1	234994.2
16 REGION_16	.602	.286	5408.1	22914.7	269246.8
17 REGION_17	.314	.127	2237.8	23715.1	334669.0
18 REGION_18	.091	.237	1229.2	11059.4	235490.6
19 REGION_19	.000	.000	0.0	0.0	0.0
20 REGION_20	.678	.333	5221.1	21426.1	234994.2
21 REGION_21	.678	.333	5221.1	21426.1	234994.3
22 REGION_22	.443	.186	5799.5	26029.9	340928.5
23 REGION_23	.191	.070	2361.9	36713.0	346735.1
24 REGION_24	.086	.046	8196.1	43486.7	311650.0
25 REGION_25	.000	.000	0.0	0.0	0.0
26 REGION_26	.678	.333	5221.1	21426.1	234994.2
27 REGION_27	.678	.333	5221.1	21426.1	234994.2
28 REGION_28	.382	.132	5495.9	25692.3	350421.2
29 REGION_29	.196	.040	2967.0	22984.9	277378.8
30 REGION_30	.033	.000	2442.6	38497.5	262022.8
31 REGION_31	.000	.000	0.0	0.0	0.0
32 REGION_32	.000	.000	0.0	0.0	0.0

33	REGION_33	.618	.273	4711.6	20378.6	235866.5
34	REGION_34	.350	.008	2542.2	16061.5	244061.7
35	REGION_35	.209	.027	4061.8	14682.1	247490.6
36	REGION_36	.084	.000	6970.5	15611.0	256084.4
37	REGION_37	.000	.000	0.0	0.0	0.0
38	REGION_38	.666	.322	4970.1	20869.8	234877.8
39	REGION_39	.346	.000	2396.9	15619.7	239829.4
40	REGION_40	.346	.001	2390.0	15608.8	239997.2
41	REGION_41	.444	.060	2595.9	11246.9	230213.9
42	REGION_42	.467	.013	4158.9	10106.0	217217.5
43	REGION_43	.000	.000	0.0	0.0	0.0
44	REGION_44	.493	.164	1393.0	12941.6	233218.6
45	REGION_45	.303	.315	900.8	13187.7	273921.2
46	REGION_46	.289	.327	863.3	13206.5	277027.4
47	REGION_47	.515	.040	2730.9	9172.1	227936.3
48	REGION_48	.361	.001	3979.4	6895.0	200594.0
49	REGION_49	.000	.000	0.0	0.0	0.0
50	REGION_50	.493	.164	1393.0	12941.6	233218.6
51	REGION_51	.301	.317	895.6	13190.3	274356.8
52	REGION_52	.289	.327	863.3	13206.5	277026.9
53	REGION_53	.455	.043	1230.4	9361.0	267918.8
54	REGION_54	.277	.002	1363.4	7100.2	199006.0
55	REGION_55	.000	.000	0.0	0.0	0.0
56	REGION_56	.493	.164	1393.0	12941.6	233218.6
57	REGION_57	.309	.310	916.4	13179.9	272631.7
58	REGION_58	.257	.249	1320.9	14798.8	289775.8
59	REGION_59	.157	.022	726.8	14565.3	285095.8
60	REGION_60	.311	.043	1605.9	7828.6	198615.7
61	REGION_61	.000	.000	0.0	0.0	0.0
62	REGION_62	.000	.000	0.0	0.0	0.0
63	REGION_63	.329	.295	966.3	13154.9	268506.3
64	REGION_64	.246	.223	1476.6	15340.4	294111.0
65	REGION_65	.202	.075	1278.1	18214.2	364175.0
66	REGION_66	.272	.049	1082.0	6868.9	186989.3
67	REGION_67	.000	.000	0.0	0.0	0.0
68	REGION_68	.493	.164	1393.0	12941.6	233218.6
69	REGION_69	.455	.194	1295.2	12990.5	241305.4
70	REGION_70	.236	.177	1734.2	16172.0	299488.0
71	REGION_71	.453	.304	1115.2	15936.2	283157.3

```
  72 REGION_72      .463 .046    596.2    4628.9  173031.0
  73 REGION_73      .000 .000      0.0       0.0       0.0
  74 REGION_74      .493 .164   1393.0   12941.6  233218.6
  75 REGION_75      .493 .164   1393.0   12941.6  233218.6
  76 REGION_76      .462 .155   1486.6   13484.1  241853.6
  77 REGION_77      .464 .393   1631.5   10633.0  225960.7
  78 REGION_78      .699 .059    633.3    5669.1  198117.1
  79 REGION_79      .000 .000      0.0       0.0       0.0
  80 REGION_80      .493 .164   1393.0   12941.6  233218.6
  81 REGION_81      .493 .164   1393.0   12941.6  233218.6
  82 REGION_82      .493 .164   1393.0   12941.6  233218.8
  83 REGION_83      .409 .423   1596.2    9559.0  216875.6
  84 REGION_84      .542 .249   1032.8    6850.8  215564.2
  85 REGION_85      .000 .000      0.0       0.0       0.0
  86 REGION_86      .493 .164   1393.0   12941.6  233218.6
  87 REGION_87      .500 .170   1541.8   13271.4  233287.6
  88 REGION_88      .498 .168   1487.8   13151.6  233262.7
  89 REGION_89      .369 .357   1697.9   10004.5  211758.9
  90 REGION_90      .132 .268    446.8    4939.7  194466.8
  91 REGION_91      .000 .000      0.0       0.0       0.0
  92 REGION_92      .493 .164   1393.0   12941.6  233218.6
  93 REGION_93      .678 .333   5221.1   21426.1  234994.1
  94 REGION_94      .678 .333   5217.0   21417.1  234992.2
  95 REGION_95      .406 .260   2375.4   11626.5  216363.5
  96 REGION_96      .342 .453   1050.6    4558.4  200112.7
  97 REGION_97      .000 .000      0.0       0.0       0.0
POPULATION


******** BEGINNING OF CHANGE CASE   1 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
  240  SECSFACT001       1.
********   RECORD NUMBER   240 REPLACES RECORD NUMBER    25   ********
  241  SECSFACT002       0.6
********   RECORD NUMBER   241 REPLACES RECORD NUMBER    26   ********
  242  SECSFACT003       0.5
********   RECORD NUMBER   242 REPLACES RECORD NUMBER    27   ********
      *
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     * PROTIN - Inhalation protection factor
  243  SEPROTIN001        0.98
********   RECORD NUMBER   243 REPLACES RECORD NUMBER    28   ********
  244  SEPROTIN002        0.46
********   RECORD NUMBER   244 REPLACES RECORD NUMBER    29   ********
  245  SEPROTIN003        0.33
********   RECORD NUMBER   245 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
  246  SEBRRATE001        2.66E-04
********   RECORD NUMBER   246 REPLACES RECORD NUMBER    31   ********
  247  SEBRRATE002        2.66E-04
********   RECORD NUMBER   247 REPLACES RECORD NUMBER    32   ********
  248  SEBRRATE003        2.66E-04
********   RECORD NUMBER   248 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
  249  SESKPFAC001        0.98
********   RECORD NUMBER   249 REPLACES RECORD NUMBER    34   ********
  250  SESKPFAC002        0.46
********   RECORD NUMBER   250 REPLACES RECORD NUMBER    35   ********
  251  SESKPFAC003        0.33
********   RECORD NUMBER   251 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
  252  SEGSHFAC001        0.5
********   RECORD NUMBER   252 REPLACES RECORD NUMBER    37   ********
  253  SEGSHFAC002        0.18
********   RECORD NUMBER   253 REPLACES RECORD NUMBER    38   ********
  254  SEGSHFAC003        0.1
********   RECORD NUMBER   254 REPLACES RECORD NUMBER    39   ********
     *
     * Form 'Basic Parameters' Comment:
     * Public (0-10) Remainder
     *
     * EANAM2 - Name of emergency response cohort
  255  EZEANAM2001        'Group 2'
********   RECORD NUMBER   255 REPLACES RECORD NUMBER    42   ********
     *
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     * WTFRAC - weighting fraction applied to results of emergency response cohort
 256  EZWTFRAC001       0.355
********   RECORD NUMBER   256 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 257  TRAVELPOINT       CENTERPOINT
********   RECORD NUMBER   257 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 258  EZESPEED001       2.235
********   RECORD NUMBER   258 REPLACES RECORD NUMBER    47   ********
 259  EZESPEED002       1.341
********   RECORD NUMBER   259 REPLACES RECORD NUMBER    48   ********
 260  EZESPEED003       8.941
********   RECORD NUMBER   260 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 261  EZESPMUL001       0.7
********   RECORD NUMBER   261 REPLACES RECORD NUMBER    50   ********
 262  EZESPMUL002       0.7
********   RECORD NUMBER   262 REPLACES RECORD NUMBER    51   ********
 263  EZESPMUL003       0.7
********   RECORD NUMBER   263 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 264  EZREFPNT001       ALARM
********   RECORD NUMBER   264 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 265  EZDURBEG001       900.
********   RECORD NUMBER   265 REPLACES RECORD NUMBER    54   ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 266  EZDURMID001       10800.
********   RECORD NUMBER   266 REPLACES RECORD NUMBER    55   ********
     *
     * Form 'Sheltering and Evacuation Boundary' Comment:
     * Evacuees from 0-10 miles evacuate to 30 miles, then disappear
     *
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     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 267  EZNUMEVA001       12
********   RECORD NUMBER   267 REPLACES RECORD NUMBER    56   ********
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when
individuals begin evacuation.
 268  EZDLTSHL001       5400.
********   RECORD NUMBER   268 REPLACES RECORD NUMBER    57   ********
 269  EZDLTSHL002       5400.
********   RECORD NUMBER   269 REPLACES RECORD NUMBER    58   ********
 270  EZDLTSHL003       5400.
********   RECORD NUMBER   270 REPLACES RECORD NUMBER    59   ********
 271  EZDLTSHL004       5400.
********   RECORD NUMBER   271 REPLACES RECORD NUMBER    60   ********
 272  EZDLTSHL005       5400.
********   RECORD NUMBER   272 REPLACES RECORD NUMBER    61   ********
 273  EZDLTSHL006       5400.
********   RECORD NUMBER   273 REPLACES RECORD NUMBER    62   ********
 274  EZDLTSHL007       5400.
********   RECORD NUMBER   274 REPLACES RECORD NUMBER    63   ********
 275  EZDLTSHL008       5400.
********   RECORD NUMBER   275 REPLACES RECORD NUMBER    64   ********
 276  EZDLTSHL009       5400.
********   RECORD NUMBER   276 REPLACES RECORD NUMBER    65   ********
 277  EZDLTSHL010       5400.
********   RECORD NUMBER   277 REPLACES RECORD NUMBER    66   ********
 278  EZDLTSHL011       5400.
********   RECORD NUMBER   278 REPLACES RECORD NUMBER    67   ********
 279  EZDLTSHL012       5400.
********   RECORD NUMBER   279 REPLACES RECORD NUMBER    68   ********
     *
     * DLTEVA -Delay time to begin evacuation
 280  EZDLTEVA001       3600.
********   RECORD NUMBER   280 REPLACES RECORD NUMBER    72   ********
 281  EZDLTEVA002       3600.
********   RECORD NUMBER   281 REPLACES RECORD NUMBER    73   ********
 282  EZDLTEVA003       3600.
********   RECORD NUMBER   282 REPLACES RECORD NUMBER    74   ********
 283  EZDLTEVA004       3600.
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******** RECORD NUMBER  283 REPLACES RECORD NUMBER   75 ********
 284 EZDLTEVA005      3600.
******** RECORD NUMBER  284 REPLACES RECORD NUMBER   76 ********
 285 EZDLTEVA006      3600.
******** RECORD NUMBER  285 REPLACES RECORD NUMBER   77 ********
 286 EZDLTEVA007      3600.
******** RECORD NUMBER  286 REPLACES RECORD NUMBER   78 ********
 287 EZDLTEVA008      3600.
******** RECORD NUMBER  287 REPLACES RECORD NUMBER   79 ********
 288 EZDLTEVA009      3600.
******** RECORD NUMBER  288 REPLACES RECORD NUMBER   80 ********
 289 EZDLTEVA010      3600.
******** RECORD NUMBER  289 REPLACES RECORD NUMBER   81 ********
 290 EZDLTEVA011      3600.
******** RECORD NUMBER  290 REPLACES RECORD NUMBER   82 ********
 291 EZDLTEVA012      3600.
******** RECORD NUMBER  291 REPLACES RECORD NUMBER   83 ********
     *
     * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 292 EZESPGRD001    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.    0.75    0.75    0.75
******** RECORD NUMBER  292 REPLACES RECORD NUMBER   87 ********
 293 EZESPGRD002    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.    0.75    0.75    0.75
******** RECORD NUMBER  293 REPLACES RECORD NUMBER   88 ********
 294 EZESPGRD003    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.    0.75    0.75    0.75
******** RECORD NUMBER  294 REPLACES RECORD NUMBER   89 ********
 295 EZESPGRD004    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.    0.75    0.75    0.75
******** RECORD NUMBER  295 REPLACES RECORD NUMBER   90 ********
```

```
 296 EZESPGRD005      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   296 REPLACES RECORD NUMBER    91 ********
 297 EZESPGRD006      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   297 REPLACES RECORD NUMBER    92 ********
 298 EZESPGRD007      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   298 REPLACES RECORD NUMBER    93 ********
 299 EZESPGRD008      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   299 REPLACES RECORD NUMBER    94 ********
 300 EZESPGRD009      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   300 REPLACES RECORD NUMBER    95 ********
 301 EZESPGRD010      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   301 REPLACES RECORD NUMBER    96 ********
 302 EZESPGRD011      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   302 REPLACES RECORD NUMBER    97 ********
 303 EZESPGRD012      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
```

```
******** RECORD NUMBER  303 REPLACES RECORD NUMBER   98 ********
 304 EZESPGRD013     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  304 REPLACES RECORD NUMBER   99 ********
 305 EZESPGRD014     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.5      1.5      1.5      1.5      1.5      1.5      1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  305 REPLACES RECORD NUMBER  100 ********
 306 EZESPGRD015     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.5      1.5      1.5      1.       1.       1.       1.       1.       1.5      1.5      1.5
       1.5      1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  306 REPLACES RECORD NUMBER  101 ********
 307 EZESPGRD016     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  307 REPLACES RECORD NUMBER  102 ********
 308 EZESPGRD017     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  308 REPLACES RECORD NUMBER  103 ********
    *
    * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 309 EZIDIREC001     1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
******** RECORD NUMBER  309 REPLACES RECORD NUMBER  104 ********
 310 EZIDIREC002     1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
******** RECORD NUMBER  310 REPLACES RECORD NUMBER  105 ********
```

311 EZIDIREC003 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1
1 1 1 1 1 1 1 1 1 2 1 4 4 4 4 2 2
2 2 2 1 1 1 4 4 4 4 2 2 2 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 4 1 1
******** RECORD NUMBER 311 REPLACES RECORD NUMBER 106 ********
312 EZIDIREC004 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 2 2 1 1 1 1 4 4 4 2 2 1 4 4 2 1
4 4 2 1 1 4 2 1 4 4 4 4 4 1 1
******** RECORD NUMBER 312 REPLACES RECORD NUMBER 107 ********
313 EZIDIREC005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1
1 1 1 1 2 1 4 4 2 2 1 4 4 2 2 1 4
4 2 2 1 4 4 2 1 1 1 1 1 1 1 1
******** RECORD NUMBER 313 REPLACES RECORD NUMBER 108 ********
314 EZIDIREC006 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4
1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2
2 2 1 1 1 1 2 1 1 4 2 2 1 2 1 4 4
2 2 1 4 4 4 4 4 4 4 1 1 1 1 1
******** RECORD NUMBER 314 REPLACES RECORD NUMBER 109 ********
315 EZIDIREC007 2 2 1 2 2 1 2 2 1 4 2 1 4 2 2
1 1 1 1 1 1 1 1 1 1 1 2 2 1 4 4 2
1 1 1 1 4 4 2 2 1 1 4 4 1 1 4 1 4
2 2 1 4 4 4 4 4 4 1 1 1 1 1 1
******** RECORD NUMBER 315 REPLACES RECORD NUMBER 110 ********
316 EZIDIREC008 1 4 1 1 4 2 1 4 2 1 1 4 2 2 1
1 2 1 1 1 4 4 4 1 1 1 1 1 1 4 1 4
2 1 4 4 2 1 2 1 2 1 4 2 1 4 2 1 1
4 2 1 4 4 4 2 2 1 1 1 1 1 2 2
******** RECORD NUMBER 316 REPLACES RECORD NUMBER 111 ********
317 EZIDIREC009 1 1 4 2 1 1 2 1 1 4 1 4 1 4 1
1 1 2 1 1 1 4 4 4 1 1 4 1 2 2 2 1
1 2 1 4 2 1 2 1 2 1 1 4 1 4 1 4 4
2 2 1 4 2 1 4 1 4 1 1 1 2 2 2
******** RECORD NUMBER 317 REPLACES RECORD NUMBER 112 ********
318 EZIDIREC010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4
2 2 2 2 1 2 1 4 2 1 1 1 4 2 1 4 4
2 2 1 1 1 1 1 4 4 1 1 1 1 1 1

```
******** RECORD NUMBER  318 REPLACES RECORD NUMBER  113 ********
 319 EZIDIREC011      1       1       4       2       1       4       2       1       4       4       2       1       4       2       1
         4       4       2       2       2       2       2       2       1       4       4       1       1       4       2       2       1
         1       1       4       2       1       4       1       4       2       1       4       1       1       2       1       1       4
         4       4       2       2       2       1       4       4       4       2       2       1       4       2       2
******** RECORD NUMBER  319 REPLACES RECORD NUMBER  114 ********
 320 EZIDIREC012      2       1       1       4       1       1       4       1       4       4       2       1       4       2       1
         1       4       4       2       2       2       1       4       1       2       1       2       2       1       4       4       2
         2       1       1       4       4       2       1       1       1       1       4       1       1       1       1       4       4
         4       2       2       2       2       1       4       2       1       1       2       2       1       4       2
******** RECORD NUMBER  320 REPLACES RECORD NUMBER  115 ********
 321 EZIDIREC013      1       1       4       1       4       2       1       1       2       1       4       4       2       2       1
         1       1       1       1       1       1       2       1       2       2       1       1       2       1       4       2       2
         1       4       2       1       4       4       1       1       4       2       1       1       2       1       2       1       4
         4       2       2       2       1       1       4       2       1       4       2       1       4       1       1
******** RECORD NUMBER  321 REPLACES RECORD NUMBER  116 ********
 322 EZIDIREC014      1       1       4       1       1       1       2       1       2       1       2       1       1       2       1
         1       1       1       1       1       1       4       1       1       1       1       2       1       4       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       1       1       1       2       1       1
         4       4       2       2       1       1       4       1       4       1       1       1       1       1       1
******** RECORD NUMBER  322 REPLACES RECORD NUMBER  117 ********
 323 EZIDIREC015      1       1       4       2       2       2       1       1       1       1       1       1       1       1       1
         1       1       1       1       1       1       1       1       4       4       4       2       2       2       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       4       1       2       1       1       1
         4       2       1       2       1       1       2       1       1       2       2       2       1       2       1
******** RECORD NUMBER  323 REPLACES RECORD NUMBER  118 ********
 324 EZIDIREC016      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
         4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  324 REPLACES RECORD NUMBER  119 ********
 325 EZIDIREC017      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
         1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  325 REPLACES RECORD NUMBER  120 ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 326 EZLASMOV001      17
```

```
********   RECORD NUMBER   326 REPLACES RECORD NUMBER   121   ********
     *
     * CRIORG - critical organ for relocation decisions during emergency-phase period
  327  SRCRIORG001       L-ICRP60ED
********   RECORD NUMBER   327 REPLACES RECORD NUMBER   123   ********
     *
     * EFFACY,  KI Ingestion
  328  EZEFFACY001       0.7
********   RECORD NUMBER   328 REPLACES RECORD NUMBER   236   ********
     *
     * POPFRAC, KI Ingestion
  329  EZPOPFRC001       1.
********   RECORD NUMBER   329 REPLACES RECORD NUMBER   237   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   1 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   1
NUMBER OF RECORDS CHANGED           =   90
NUMBER OF RECORDS ADDED             =    0
************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

IRAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	
7	2	2	1	2	2	1	2	2	1	4	2	1	4	2	2	1
8	1	4	1	1	4	2	1	4	2	1	1	4	2	2	1	1
9	1	1	4	2	1	1	2	1	1	4	1	4	1	4	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

11	1	1	4	2	1	4	2	1	4	4	2	1	4	2	1	4
12	2	1	1	4	1	1	4	1	4	4	2	1	4	2	1	1
13	1	1	4	1	4	2	1	1	2	1	4	4	2	2	1	1
14	1	1	4	1	1	1	2	1	2	1	2	1	1	2	1	1
15	1	1	4	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	1	1	1	1	1	1	1	2	1	4	4	4	4	2	2	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	
6	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
7	1	1	1	1	1	1	1	1	1	2	2	1	4	4	2	
8	2	1	1	1	4	4	4	1	1	1	1	1	1	4	1	4
9	1	2	1	1	1	4	4	4	1	1	4	1	2	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4
11	4	2	2	2	2	2	2	1	4	4	1	1	4	2	2	1
12	4	4	2	2	2	1	4	1	2	1	2	2	1	4	4	2
13	1	1	1	1	1	2	1	2	2	1	1	2	1	4	2	2
14	1	1	1	1	1	4	1	1	1	1	2	1	4	1	1	1
15	1	1	1	1	1	1	1	4	4	4	2	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	2	2	2	1	1	1	4	4	4	4	2	2	2	1	1	1
4	4	2	2	1	1	1	1	4	4	4	2	2	1	4	4	2
5	1	1	1	1	2	1	4	4	2	2	1	4	4	2	2	1
6	2	2	1	1	1	1	2	1	1	4	2	2	1	2	1	4
7	1	1	1	1	4	4	2	2	1	1	4	4	1	1	4	1
8	2	1	4	4	2	1	2	1	2	1	4	2	1	4	2	1
9	1	2	1	4	2	1	2	1	2	1	1	4	1	4	1	4
10	2	2	2	2	1	2	1	4	2	1	1	1	4	2	1	4
11	1	1	4	2	1	4	1	4	2	1	4	1	1	2	1	1

```
 12    2  1  1  4  4  2  1  1  1  1  4  1  1  1  1  4
 13    1  4  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14    1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15    1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  2  2  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  1  1  1  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   2 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
  330  SECSFACT001        1.
********   RECORD NUMBER   330 REPLACES RECORD NUMBER    25   ********
  331  SECSFACT002        0.6
********   RECORD NUMBER   331 REPLACES RECORD NUMBER    26   ********
  332  SECSFACT003        0.5
********   RECORD NUMBER   332 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
```

```
 333  SEPROTIN001        0.98
********   RECORD NUMBER   333 REPLACES RECORD NUMBER    28   ********
 334  SEPROTIN002        0.46
********   RECORD NUMBER   334 REPLACES RECORD NUMBER    29   ********
 335  SEPROTIN003        0.33
********   RECORD NUMBER   335 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 336  SEBRRATE001        2.66E-04
********   RECORD NUMBER   336 REPLACES RECORD NUMBER    31   ********
 337  SEBRRATE002        2.66E-04
********   RECORD NUMBER   337 REPLACES RECORD NUMBER    32   ********
 338  SEBRRATE003        2.66E-04
********   RECORD NUMBER   338 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 339  SESKPFAC001        0.98
********   RECORD NUMBER   339 REPLACES RECORD NUMBER    34   ********
 340  SESKPFAC002        0.46
********   RECORD NUMBER   340 REPLACES RECORD NUMBER    35   ********
 341  SESKPFAC003        0.33
********   RECORD NUMBER   341 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 342  SEGSHFAC001        0.5
********   RECORD NUMBER   342 REPLACES RECORD NUMBER    37   ********
 343  SEGSHFAC002        0.18
********   RECORD NUMBER   343 REPLACES RECORD NUMBER    38   ********
 344  SEGSHFAC003        0.1
********   RECORD NUMBER   344 REPLACES RECORD NUMBER    39   ********
     *
     * Form 'Basic Parameters' Comment:
     * Shadow/School (0-10)
     *
     * EANAM2 - Name of emergency response cohort
 345  EZEANAM2001        'Group 3'
********   RECORD NUMBER   345 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
```

```
 346  EZWTFRAC001       0.372
********   RECORD NUMBER   346 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 347  TRAVELPOINT       CENTERPOINT
********   RECORD NUMBER   347 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 348  EZESPEED001       2.235
********   RECORD NUMBER   348 REPLACES RECORD NUMBER    47   ********
 349  EZESPEED002       1.341
********   RECORD NUMBER   349 REPLACES RECORD NUMBER    48   ********
 350  EZESPEED003       8.941
********   RECORD NUMBER   350 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 351  EZESPMUL001       0.7
********   RECORD NUMBER   351 REPLACES RECORD NUMBER    50   ********
 352  EZESPMUL002       0.7
********   RECORD NUMBER   352 REPLACES RECORD NUMBER    51   ********
 353  EZESPMUL003       0.7
********   RECORD NUMBER   353 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 354  EZREFPNT001       ALARM
********   RECORD NUMBER   354 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 355  EZDURBEG001       900.
********   RECORD NUMBER   355 REPLACES RECORD NUMBER    54   ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 356  EZDURMID001       10800.
********   RECORD NUMBER   356 REPLACES RECORD NUMBER    55   ********
     *
     * Form 'Sheltering and Evacuation Boundary' Comment:
     * Evacuees from 0-10 miles evacuate to 30 miles, then disappear
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
```

```
 357  EZNUMEVA001       12
********   RECORD NUMBER   357 REPLACES RECORD NUMBER    56   ********
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when
individuals begin evacuation.
 358  EZDLTSHL001       900.
********   RECORD NUMBER   358 REPLACES RECORD NUMBER    57   ********
 359  EZDLTSHL002       900.
********   RECORD NUMBER   359 REPLACES RECORD NUMBER    58   ********
 360  EZDLTSHL003       900.
********   RECORD NUMBER   360 REPLACES RECORD NUMBER    59   ********
 361  EZDLTSHL004       900.
********   RECORD NUMBER   361 REPLACES RECORD NUMBER    60   ********
 362  EZDLTSHL005       900.
********   RECORD NUMBER   362 REPLACES RECORD NUMBER    61   ********
 363  EZDLTSHL006       900.
********   RECORD NUMBER   363 REPLACES RECORD NUMBER    62   ********
 364  EZDLTSHL007       900.
********   RECORD NUMBER   364 REPLACES RECORD NUMBER    63   ********
 365  EZDLTSHL008       900.
********   RECORD NUMBER   365 REPLACES RECORD NUMBER    64   ********
 366  EZDLTSHL009       900.
********   RECORD NUMBER   366 REPLACES RECORD NUMBER    65   ********
 367  EZDLTSHL010       900.
********   RECORD NUMBER   367 REPLACES RECORD NUMBER    66   ********
 368  EZDLTSHL011       900.
********   RECORD NUMBER   368 REPLACES RECORD NUMBER    67   ********
 369  EZDLTSHL012       900.
********   RECORD NUMBER   369 REPLACES RECORD NUMBER    68   ********
     *
     * DLTEVA -Delay time to begin evacuation
 370  EZDLTEVA001       2700.
********   RECORD NUMBER   370 REPLACES RECORD NUMBER    72   ********
 371  EZDLTEVA002       2700.
********   RECORD NUMBER   371 REPLACES RECORD NUMBER    73   ********
 372  EZDLTEVA003       2700.
********   RECORD NUMBER   372 REPLACES RECORD NUMBER    74   ********
 373  EZDLTEVA004       2700.
********   RECORD NUMBER   373 REPLACES RECORD NUMBER    75   ********
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 374  EZDLTEVA005       2700.
******** RECORD NUMBER   374 REPLACES RECORD NUMBER    76  ********
 375  EZDLTEVA006       2700.
******** RECORD NUMBER   375 REPLACES RECORD NUMBER    77  ********
 376  EZDLTEVA007       2700.
******** RECORD NUMBER   376 REPLACES RECORD NUMBER    78  ********
 377  EZDLTEVA008       2700.
******** RECORD NUMBER   377 REPLACES RECORD NUMBER    79  ********
 378  EZDLTEVA009       2700.
******** RECORD NUMBER   378 REPLACES RECORD NUMBER    80  ********
 379  EZDLTEVA010       2700.
******** RECORD NUMBER   379 REPLACES RECORD NUMBER    81  ********
 380  EZDLTEVA011       2700.
******** RECORD NUMBER   380 REPLACES RECORD NUMBER    82  ********
 381  EZDLTEVA012       2700.
******** RECORD NUMBER   381 REPLACES RECORD NUMBER    83  ********
     *
     * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 382  EZESPGRD001       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   382 REPLACES RECORD NUMBER    87  ********
 383  EZESPGRD002       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   383 REPLACES RECORD NUMBER    88  ********
 384  EZESPGRD003       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   384 REPLACES RECORD NUMBER    89  ********
 385  EZESPGRD004       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   385 REPLACES RECORD NUMBER    90  ********
```

```
 386 EZESPGRD005      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   386 REPLACES RECORD NUMBER    91 ********
 387 EZESPGRD006      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   387 REPLACES RECORD NUMBER    92 ********
 388 EZESPGRD007      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   388 REPLACES RECORD NUMBER    93 ********
 389 EZESPGRD008      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   389 REPLACES RECORD NUMBER    94 ********
 390 EZESPGRD009      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   390 REPLACES RECORD NUMBER    95 ********
 391 EZESPGRD010      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   391 REPLACES RECORD NUMBER    96 ********
 392 EZESPGRD011      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
******** RECORD NUMBER   392 REPLACES RECORD NUMBER    97 ********
 393 EZESPGRD012      0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
       1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.      0.75      0.75      0.75
```

```
******** RECORD NUMBER  393 REPLACES RECORD NUMBER   98 ********
 394 EZESPGRD013     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  394 REPLACES RECORD NUMBER   99 ********
 395 EZESPGRD014     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.5      1.5      1.5      1.5      1.5      1.5      1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  395 REPLACES RECORD NUMBER  100 ********
 396 EZESPGRD015     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.5      1.5      1.5      1.       1.       1.       1.       1.       1.5      1.5      1.5
       1.5      1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  396 REPLACES RECORD NUMBER  101 ********
 397 EZESPGRD016     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  397 REPLACES RECORD NUMBER  102 ********
 398 EZESPGRD017     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  398 REPLACES RECORD NUMBER  103 ********
    *
    * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 399 EZIDIREC001     1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
******** RECORD NUMBER  399 REPLACES RECORD NUMBER  104 ********
 400 EZIDIREC002     1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
******** RECORD NUMBER  400 REPLACES RECORD NUMBER  105 ********
```

401 EZIDIREC003 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1
1 1 1 1 1 1 1 1 1 2 1 4 4 4 4 2 2
2 2 2 1 1 1 4 4 4 4 2 2 2 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 4 1 1
******** RECORD NUMBER 401 REPLACES RECORD NUMBER 106 ********
402 EZIDIREC004 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 2 2 1 1 1 1 4 4 4 2 2 1 4 4 2 1
4 4 2 1 1 4 2 1 4 4 4 4 4 1 1
******** RECORD NUMBER 402 REPLACES RECORD NUMBER 107 ********
403 EZIDIREC005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1
1 1 1 1 2 1 4 4 2 2 1 4 4 2 2 1 4
4 2 2 1 4 4 2 1 1 1 1 1 1 1 1
******** RECORD NUMBER 403 REPLACES RECORD NUMBER 108 ********
404 EZIDIREC006 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4
1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2
2 2 1 1 1 1 2 1 1 4 2 2 1 2 1 4 4
2 2 1 4 4 4 4 4 4 4 1 1 1 1 1
******** RECORD NUMBER 404 REPLACES RECORD NUMBER 109 ********
405 EZIDIREC007 2 2 1 2 2 1 2 2 1 4 2 1 4 2 2
1 1 1 1 1 1 1 1 1 1 1 2 2 1 4 4 2
1 1 1 1 4 4 2 2 1 1 4 4 1 1 4 1 4
2 2 1 4 4 4 4 4 4 1 1 1 1 1 1
******** RECORD NUMBER 405 REPLACES RECORD NUMBER 110 ********
406 EZIDIREC008 1 4 1 1 4 2 1 4 2 1 1 4 2 2 1
1 2 1 1 1 4 4 4 1 1 1 1 1 1 4 1 4
2 1 4 4 2 1 2 1 2 1 4 2 1 4 2 1 1
4 2 1 4 4 4 2 2 1 1 1 1 1 2 2
******** RECORD NUMBER 406 REPLACES RECORD NUMBER 111 ********
407 EZIDIREC009 1 1 4 2 1 1 2 1 1 4 1 4 1 4 1
1 1 2 1 1 1 4 4 4 1 1 4 1 2 2 2 1
1 2 1 4 2 1 2 1 2 1 1 4 1 4 1 4 4
2 2 1 4 2 1 4 1 4 1 1 1 2 2 2
******** RECORD NUMBER 407 REPLACES RECORD NUMBER 112 ********
408 EZIDIREC010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4
2 2 2 2 1 2 1 4 2 1 1 1 4 2 1 4 4
2 2 1 1 1 1 1 4 4 1 1 1 1 1 1

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******** RECORD NUMBER  408 REPLACES RECORD NUMBER  113 ********
 409 EZIDIREC011      1       1       4       2       1       4       2       1       4       4       2       1       4       2       1
       4       4       2       2       2       2       2       2       1       4       4       1       1       4       2       2       1
       1       1       4       2       1       4       1       4       2       1       4       1       1       2       1       1       4
       4       4       2       2       2       1       4       4       4       2       2       1       4       2       2
******** RECORD NUMBER  409 REPLACES RECORD NUMBER  114 ********
 410 EZIDIREC012      2       1       1       4       1       1       4       1       4       4       2       1       4       2       1
       1       4       4       2       2       2       1       4       1       2       1       2       2       1       4       4       2
       2       1       1       4       4       2       1       1       1       1       4       1       1       1       1       4       4
       4       2       2       2       2       1       4       2       1       1       2       2       1       4       2
******** RECORD NUMBER  410 REPLACES RECORD NUMBER  115 ********
 411 EZIDIREC013      1       1       4       1       4       2       1       1       2       1       4       4       2       2       1
       1       1       1       1       1       1       2       1       2       2       1       1       2       1       4       2       2
       1       4       2       1       4       4       1       1       4       2       1       1       2       1       2       1       4
       4       2       2       2       1       1       4       2       1       4       2       1       4       1       1
******** RECORD NUMBER  411 REPLACES RECORD NUMBER  116 ********
 412 EZIDIREC014      1       1       4       1       1       1       2       1       2       1       2       1       1       2       1
       1       1       1       1       1       1       4       1       1       1       1       2       1       4       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       2       1       1
       4       4       2       2       1       1       4       1       4       1       1       1       1       1       1
******** RECORD NUMBER  412 REPLACES RECORD NUMBER  117 ********
 413 EZIDIREC015      1       1       4       2       2       2       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       4       4       4       2       2       2       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       4       1       2       1       1       1
       4       2       1       2       1       1       2       1       1       2       2       2       1       2       1
******** RECORD NUMBER  413 REPLACES RECORD NUMBER  118 ********
 414 EZIDIREC016      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  414 REPLACES RECORD NUMBER  119 ********
 415 EZIDIREC017      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  415 REPLACES RECORD NUMBER  120 ********
    *
    * LASMOV - The outermost spatial interval of the evacuation movement zone.
 416 EZLASMOV001      17
```

```
********   RECORD NUMBER   416 REPLACES RECORD NUMBER   121   ********
     *
     * CRIORG - critical organ for relocation decisions during emergency-phase period
 417  SRCRIORG001       L-ICRP60ED
********   RECORD NUMBER   417 REPLACES RECORD NUMBER   123   ********
     *
     * EFFACY,  KI Ingestion
 418  EZEFFACY001       0.7
********   RECORD NUMBER   418 REPLACES RECORD NUMBER   236   ********
     *
     * POPFRAC, KI Ingestion
 419  EZPOPFRC001       0.
********   RECORD NUMBER   419 REPLACES RECORD NUMBER   237   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   2 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   2
NUMBER OF RECORDS CHANGED           =   90
NUMBER OF RECORDS ADDED             =    0
************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

IRAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	
7	2	2	1	2	2	1	2	2	1	4	2	1	4	2	2	1
8	1	4	1	1	4	2	1	4	2	1	1	4	2	2	1	1
9	1	1	4	2	1	1	2	1	1	4	1	4	1	4	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

11	1	1	4	2	1	4	2	1	4	4	2	1	4	2	1	4
12	2	1	1	4	1	1	4	1	4	4	2	1	4	2	1	1
13	1	1	4	1	4	2	1	1	2	1	4	4	2	2	1	1
14	1	1	4	1	1	1	2	1	2	1	2	1	1	2	1	1
15	1	1	4	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	1	1	1	1	1	1	1	2	1	4	4	4	4	2	2	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	
6	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
7	1	1	1	1	1	1	1	1	1	2	2	1	4	4	2	
8	2	1	1	1	4	4	4	1	1	1	1	1	1	4	1	4
9	1	2	1	1	1	4	4	4	1	1	4	1	2	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4
11	4	2	2	2	2	2	2	1	4	4	1	1	4	2	2	1
12	4	4	2	2	2	1	4	1	2	1	2	2	1	4	4	2
13	1	1	1	1	1	2	1	2	2	1	1	2	1	4	2	2
14	1	1	1	1	1	4	1	1	1	1	2	1	4	1	1	1
15	1	1	1	1	1	1	1	4	4	4	2	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	2	2	2	1	1	1	4	4	4	4	2	2	2	1	1	1
4	4	2	2	1	1	1	1	4	4	4	2	2	1	4	4	2
5	1	1	1	1	2	1	4	4	2	2	1	4	4	2	2	1
6	2	2	1	1	1	1	2	1	1	4	2	2	1	2	1	4
7	1	1	1	1	4	4	2	2	1	1	4	4	1	1	4	1
8	2	1	4	4	2	1	2	1	2	1	4	2	1	4	2	1
9	1	2	1	4	2	1	2	1	2	1	1	4	1	4	1	4
10	2	2	2	2	1	2	1	4	2	1	1	1	4	2	1	4
11	1	1	4	2	1	4	1	4	2	1	4	1	1	2	1	1

```
 12    2  1  1  4  4  2  1  1  1  1  4  1  1  1  1  4
 13    1  4  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14    1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15    1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  2  2  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  1  1  1  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   3 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
  420  SECSFACT001       1.
********   RECORD NUMBER   420 REPLACES RECORD NUMBER    25   ********
  421  SECSFACT002       0.31
********   RECORD NUMBER   421 REPLACES RECORD NUMBER    26   ********
  422  SECSFACT003       0.31
********   RECORD NUMBER   422 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
```

```
 423  SEPROTIN001        0.98
********   RECORD NUMBER   423 REPLACES RECORD NUMBER    28   ********
 424  SEPROTIN002        0.33
********   RECORD NUMBER   424 REPLACES RECORD NUMBER    29   ********
 425  SEPROTIN003        0.33
********   RECORD NUMBER   425 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 426  SEBRRATE001        2.66E-04
********   RECORD NUMBER   426 REPLACES RECORD NUMBER    31   ********
 427  SEBRRATE002        2.66E-04
********   RECORD NUMBER   427 REPLACES RECORD NUMBER    32   ********
 428  SEBRRATE003        2.66E-04
********   RECORD NUMBER   428 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 429  SESKPFAC001        0.98
********   RECORD NUMBER   429 REPLACES RECORD NUMBER    34   ********
 430  SESKPFAC002        0.33
********   RECORD NUMBER   430 REPLACES RECORD NUMBER    35   ********
 431  SESKPFAC003        0.33
********   RECORD NUMBER   431 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 432  SEGSHFAC001        0.5
********   RECORD NUMBER   432 REPLACES RECORD NUMBER    37   ********
 433  SEGSHFAC002        0.05
********   RECORD NUMBER   433 REPLACES RECORD NUMBER    38   ********
 434  SEGSHFAC003        0.05
********   RECORD NUMBER   434 REPLACES RECORD NUMBER    39   ********
     *
     * Form 'Basic Parameters' Comment:
     * Special (0-10)
     *
     * EANAM2 - Name of emergency response cohort
 435  EZEANAM2001        'Group 4'
********   RECORD NUMBER   435 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
```

```
 436  EZWTFRAC001       0.006
********   RECORD NUMBER   436 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 437  TRAVELPOINT       CENTERPOINT
********   RECORD NUMBER   437 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 438  EZESPEED001       2.235
********   RECORD NUMBER   438 REPLACES RECORD NUMBER    47   ********
 439  EZESPEED002       1.341
********   RECORD NUMBER   439 REPLACES RECORD NUMBER    48   ********
 440  EZESPEED003       8.941
********   RECORD NUMBER   440 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 441  EZESPMUL001       0.7
********   RECORD NUMBER   441 REPLACES RECORD NUMBER    50   ********
 442  EZESPMUL002       0.7
********   RECORD NUMBER   442 REPLACES RECORD NUMBER    51   ********
 443  EZESPMUL003       0.7
********   RECORD NUMBER   443 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 444  EZREFPNT001       ALARM
********   RECORD NUMBER   444 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 445  EZDURBEG001       900.
********   RECORD NUMBER   445 REPLACES RECORD NUMBER    54   ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 446  EZDURMID001       10800.
********   RECORD NUMBER   446 REPLACES RECORD NUMBER    55   ********
     *
     * Form 'Sheltering and Evacuation Boundary' Comment:
     * Evacuees from 0-10 miles evacuate to 30 miles, then disappear
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
```

```
 447  EZNUMEVA001       12
********   RECORD NUMBER   447 REPLACES RECORD NUMBER    56   ********
     *
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when
individuals begin evacuation.
 448  EZDLTSHL001       5400.
********   RECORD NUMBER   448 REPLACES RECORD NUMBER    57   ********
 449  EZDLTSHL002       5400.
********   RECORD NUMBER   449 REPLACES RECORD NUMBER    58   ********
 450  EZDLTSHL003       5400.
********   RECORD NUMBER   450 REPLACES RECORD NUMBER    59   ********
 451  EZDLTSHL004       5400.
********   RECORD NUMBER   451 REPLACES RECORD NUMBER    60   ********
 452  EZDLTSHL005       5400.
********   RECORD NUMBER   452 REPLACES RECORD NUMBER    61   ********
 453  EZDLTSHL006       5400.
********   RECORD NUMBER   453 REPLACES RECORD NUMBER    62   ********
 454  EZDLTSHL007       5400.
********   RECORD NUMBER   454 REPLACES RECORD NUMBER    63   ********
 455  EZDLTSHL008       5400.
********   RECORD NUMBER   455 REPLACES RECORD NUMBER    64   ********
 456  EZDLTSHL009       5400.
********   RECORD NUMBER   456 REPLACES RECORD NUMBER    65   ********
 457  EZDLTSHL010       5400.
********   RECORD NUMBER   457 REPLACES RECORD NUMBER    66   ********
 458  EZDLTSHL011       5400.
********   RECORD NUMBER   458 REPLACES RECORD NUMBER    67   ********
 459  EZDLTSHL012       5400.
********   RECORD NUMBER   459 REPLACES RECORD NUMBER    68   ********
     *
     * DLTEVA -Delay time to begin evacuation
 460  EZDLTEVA001       15300.
********   RECORD NUMBER   460 REPLACES RECORD NUMBER    72   ********
 461  EZDLTEVA002       15300.
********   RECORD NUMBER   461 REPLACES RECORD NUMBER    73   ********
 462  EZDLTEVA003       15300.
********   RECORD NUMBER   462 REPLACES RECORD NUMBER    74   ********
 463  EZDLTEVA004       15300.
********   RECORD NUMBER   463 REPLACES RECORD NUMBER    75   ********
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 464  EZDLTEVA005       15300.
******** RECORD NUMBER   464 REPLACES RECORD NUMBER    76  ********
 465  EZDLTEVA006       15300.
******** RECORD NUMBER   465 REPLACES RECORD NUMBER    77  ********
 466  EZDLTEVA007       15300.
******** RECORD NUMBER   466 REPLACES RECORD NUMBER    78  ********
 467  EZDLTEVA008       15300.
******** RECORD NUMBER   467 REPLACES RECORD NUMBER    79  ********
 468  EZDLTEVA009       15300.
******** RECORD NUMBER   468 REPLACES RECORD NUMBER    80  ********
 469  EZDLTEVA010       15300.
******** RECORD NUMBER   469 REPLACES RECORD NUMBER    81  ********
 470  EZDLTEVA011       15300.
******** RECORD NUMBER   470 REPLACES RECORD NUMBER    82  ********
 471  EZDLTEVA012       15300.
******** RECORD NUMBER   471 REPLACES RECORD NUMBER    83  ********
     *
     * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 472  EZESPGRD001       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   472 REPLACES RECORD NUMBER    87  ********
 473  EZESPGRD002       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   473 REPLACES RECORD NUMBER    88  ********
 474  EZESPGRD003       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   474 REPLACES RECORD NUMBER    89  ********
 475  EZESPGRD004       0.75      0.75      1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.
          1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        1.        0.75      0.75      0.75
******** RECORD NUMBER   475 REPLACES RECORD NUMBER    90  ********
```

```
 476 EZESPGRD005     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  476 REPLACES RECORD NUMBER   91  ********
 477 EZESPGRD006     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  477 REPLACES RECORD NUMBER   92  ********
 478 EZESPGRD007     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  478 REPLACES RECORD NUMBER   93  ********
 479 EZESPGRD008     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  479 REPLACES RECORD NUMBER   94  ********
 480 EZESPGRD009     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  480 REPLACES RECORD NUMBER   95  ********
 481 EZESPGRD010     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  481 REPLACES RECORD NUMBER   96  ********
 482 EZESPGRD011     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  482 REPLACES RECORD NUMBER   97  ********
 483 EZESPGRD012     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
```

```
******** RECORD NUMBER  483 REPLACES RECORD NUMBER   98 ********
 484 EZESPGRD013     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  484 REPLACES RECORD NUMBER   99 ********
 485 EZESPGRD014     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.5      1.5      1.5      1.5      1.5      1.5      1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  485 REPLACES RECORD NUMBER  100 ********
 486 EZESPGRD015     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.5      1.5      1.5      1.       1.       1.       1.       1.       1.5      1.5      1.5
       1.5      1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       0.75     1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  486 REPLACES RECORD NUMBER  101 ********
 487 EZESPGRD016     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  487 REPLACES RECORD NUMBER  102 ********
 488 EZESPGRD017     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       0.75     0.75     0.75
******** RECORD NUMBER  488 REPLACES RECORD NUMBER  103 ********
    *
    * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 489 EZIDIREC001     1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
******** RECORD NUMBER  489 REPLACES RECORD NUMBER  104 ********
 490 EZIDIREC002     1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
       1        1        1        1        1        1        1        1        1        1        1        1        1        1        1
******** RECORD NUMBER  490 REPLACES RECORD NUMBER  105 ********
```

```
 491 EZIDIREC003      1    1    1    1    1    1    1    1    1    1    1    1    1    2    1
       1    1    1    1    1    1    1    1    1    2    1    4    4    4    4    2    2
       2    2    2    1    1    1    4    4    4    4    2    2    2    1    1    1    1
       1    1    1    1    1    1    1    1    1    1    1    1    4    1    1
******** RECORD NUMBER  491 REPLACES RECORD NUMBER  106 ********
 492 EZIDIREC004      1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
       1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
       4    2    2    1    1    1    1    4    4    4    2    2    1    4    4    2    1
       4    4    2    1    1    4    2    1    4    4    4    4    4    1    1
******** RECORD NUMBER  492 REPLACES RECORD NUMBER  107 ********
 493 EZIDIREC005      1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
       4    1    1    1    1    1    1    1    1    1    2    2    2    2    2    2    1
       1    1    1    1    2    1    4    4    2    2    1    4    4    2    2    1    4
       4    2    2    1    4    4    2    1    1    1    1    1    1    1    1
******** RECORD NUMBER  493 REPLACES RECORD NUMBER  108 ********
 494 EZIDIREC006      1    1    1    1    1    1    1    1    1    1    1    1    1    1    4
       1    1    1    1    1    1    1    1    1    1    1    2    2    2    2    2    2
       2    2    1    1    1    1    2    1    1    4    2    2    1    2    1    4    4
       2    2    1    4    4    4    4    4    4    4    1    1    1    1    1
******** RECORD NUMBER  494 REPLACES RECORD NUMBER  109 ********
 495 EZIDIREC007      2    2    1    2    2    1    2    2    1    4    2    1    4    2    2
       1    1    1    1    1    1    1    1    1    1    1    2    2    1    4    4    2
       1    1    1    1    4    4    2    2    1    1    4    4    1    1    4    1    4
       2    2    1    4    4    4    4    4    4    1    1    1    1    1    1
******** RECORD NUMBER  495 REPLACES RECORD NUMBER  110 ********
 496 EZIDIREC008      1    4    1    1    4    2    1    4    2    1    1    4    2    2    1
       1    2    1    1    1    4    4    4    1    1    1    1    1    1    4    1    4
       2    1    4    4    2    1    2    1    2    1    4    2    1    4    2    1    1
       4    2    1    4    4    4    2    2    1    1    1    1    1    2    2
******** RECORD NUMBER  496 REPLACES RECORD NUMBER  111 ********
 497 EZIDIREC009      1    1    4    2    1    1    2    1    1    4    1    4    1    4    1
       1    1    2    1    1    1    4    4    4    1    1    4    1    2    2    2    1
       1    2    1    4    2    1    2    1    2    1    1    4    1    4    1    4    4
       2    2    1    4    2    1    4    1    4    1    1    1    2    2    2
******** RECORD NUMBER  497 REPLACES RECORD NUMBER  112 ********
 498 EZIDIREC010      1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
       1    1    1    1    1    1    1    1    1    1    1    1    1    1    4    4    4
       2    2    2    2    1    2    1    4    2    1    1    1    4    2    1    4    4
       2    2    1    1    1    1    1    4    4    1    1    1    1    1    1
```

```
******** RECORD NUMBER  498 REPLACES RECORD NUMBER  113 ********
 499 EZIDIREC011      1       1       4       2       1       4       2       1       4       4       2       1       4       2       1
       4       4       2       2       2       2       2       2       1       4       4       1       1       4       2       2       1
       1       1       4       2       1       4       1       4       2       1       4       1       1       2       1       1       4
       4       4       2       2       2       1       4       4       4       2       2       1       4       2       2
******** RECORD NUMBER  499 REPLACES RECORD NUMBER  114 ********
 500 EZIDIREC012      2       1       1       4       1       1       4       1       4       4       2       1       4       2       1
       1       4       4       2       2       2       1       4       1       2       1       2       2       1       4       4       2
       2       1       1       4       4       2       1       1       1       1       4       1       1       1       1       4       4
       4       2       2       2       2       1       4       2       1       1       2       2       1       4       2
******** RECORD NUMBER  500 REPLACES RECORD NUMBER  115 ********
 501 EZIDIREC013      1       1       4       1       4       2       1       1       2       1       4       4       2       2       1
       1       1       1       1       1       1       2       1       2       2       1       1       2       1       4       2       2
       1       4       2       1       4       4       1       1       4       2       1       1       2       1       2       1       4
       4       2       2       2       1       1       4       2       1       4       2       1       4       1       1
******** RECORD NUMBER  501 REPLACES RECORD NUMBER  116 ********
 502 EZIDIREC014      1       1       4       1       1       1       2       1       2       1       2       1       1       2       1
       1       1       1       1       1       1       4       1       1       1       1       2       1       4       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       2       1       1
       4       4       2       2       1       1       4       1       4       1       1       1       1       1       1
******** RECORD NUMBER  502 REPLACES RECORD NUMBER  117 ********
 503 EZIDIREC015      1       1       4       2       2       2       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       4       4       4       2       2       2       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       4       1       2       1       1       1
       4       2       1       2       1       1       2       1       1       2       2       2       1       2       1
******** RECORD NUMBER  503 REPLACES RECORD NUMBER  118 ********
 504 EZIDIREC016      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  504 REPLACES RECORD NUMBER  119 ********
 505 EZIDIREC017      1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  505 REPLACES RECORD NUMBER  120 ********
     *
     * LASMOV - The outermost spatial interval of the evacuation movement zone.
 506 EZLASMOV001      17
```

```
********   RECORD NUMBER   506 REPLACES RECORD NUMBER   121   ********
     *
     * CRIORG - critical organ for relocation decisions during emergency-phase period
 507  SRCRIORG001       L-ICRP60ED
********   RECORD NUMBER   507 REPLACES RECORD NUMBER   123   ********
     *
     * EFFACY,  KI Ingestion
 508  EZEFFACY001       0.7
********   RECORD NUMBER   508 REPLACES RECORD NUMBER   236   ********
     *
     * POPFRAC, KI Ingestion
 509  EZPOPFRC001       0.
********   RECORD NUMBER   509 REPLACES RECORD NUMBER   237   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   3 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   3
NUMBER OF RECORDS CHANGED           =   90
NUMBER OF RECORDS ADDED             =    0
************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

IRAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	
7	2	2	1	2	2	1	2	2	1	4	2	1	4	2	2	1
8	1	4	1	1	4	2	1	4	2	1	1	4	2	2	1	1
9	1	1	4	2	1	1	2	1	1	4	1	4	1	4	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

11	1	1	4	2	1	4	2	1	4	4	2	1	4	2	1	4
12	2	1	1	4	1	1	4	1	4	4	2	1	4	2	1	1
13	1	1	4	1	4	2	1	1	2	1	4	4	2	2	1	1
14	1	1	4	1	1	1	2	1	2	1	2	1	1	2	1	1
15	1	1	4	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	1	1	1	1	1	1	1	2	1	4	4	4	4	2	2	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	
6	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
7	1	1	1	1	1	1	1	1	1	2	2	1	4	4	2	
8	2	1	1	1	4	4	4	1	1	1	1	1	1	4	1	4
9	1	2	1	1	1	4	4	4	1	1	4	1	2	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4
11	4	2	2	2	2	2	2	1	4	4	1	1	4	2	2	1
12	4	4	2	2	2	1	4	1	2	1	2	2	1	4	4	2
13	1	1	1	1	1	2	1	2	2	1	1	2	1	4	2	2
14	1	1	1	1	1	4	1	1	1	1	2	1	4	1	1	1
15	1	1	1	1	1	1	1	4	4	4	2	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	2	2	2	1	1	1	4	4	4	4	2	2	2	1	1	1
4	4	2	2	1	1	1	1	4	4	4	2	2	1	4	4	2
5	1	1	1	1	2	1	4	4	2	2	1	4	4	2	2	1
6	2	2	1	1	1	1	2	1	1	4	2	2	1	2	1	4
7	1	1	1	1	4	4	2	2	1	1	4	4	1	1	4	1
8	2	1	4	4	2	1	2	1	2	1	4	2	1	4	2	1
9	1	2	1	4	2	1	2	1	2	1	1	4	1	4	1	4
10	2	2	2	2	1	2	1	4	2	1	1	1	4	2	1	4
11	1	1	4	2	1	4	1	4	2	1	4	1	1	2	1	1

```
 12    2  1  1  4  4  2  1  1  1  1  4  1  1  1  1  4
 13    1  4  2  1  4  4  1  1  4  2  1  1  2  1  2  1
 14    1  1  1  1  1  1  1  1  1  1  1  1  1  1  2  1
 15    1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  2  2  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  1  1  1  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   4 USER INPUT ********
      *
      * CSFACT - Cloudshine shielding factor
  510  SECSFACT001       1.
********   RECORD NUMBER   510 REPLACES RECORD NUMBER    25   ********
  511  SECSFACT002       0.6
********   RECORD NUMBER   511 REPLACES RECORD NUMBER    26   ********
  512  SECSFACT003       0.5
********   RECORD NUMBER   512 REPLACES RECORD NUMBER    27   ********
      *
      * PROTIN - Inhalation protection factor
```

```
 513  SEPROTIN001       0.98
********   RECORD NUMBER   513 REPLACES RECORD NUMBER    28   ********
 514  SEPROTIN002       0.46
********   RECORD NUMBER   514 REPLACES RECORD NUMBER    29   ********
 515  SEPROTIN003       0.33
********   RECORD NUMBER   515 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 516  SEBRRATE001       2.66E-04
********   RECORD NUMBER   516 REPLACES RECORD NUMBER    31   ********
 517  SEBRRATE002       2.66E-04
********   RECORD NUMBER   517 REPLACES RECORD NUMBER    32   ********
 518  SEBRRATE003       2.66E-04
********   RECORD NUMBER   518 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 519  SESKPFAC001       0.98
********   RECORD NUMBER   519 REPLACES RECORD NUMBER    34   ********
 520  SESKPFAC002       0.46
********   RECORD NUMBER   520 REPLACES RECORD NUMBER    35   ********
 521  SESKPFAC003       0.33
********   RECORD NUMBER   521 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 522  SEGSHFAC001       0.5
********   RECORD NUMBER   522 REPLACES RECORD NUMBER    37   ********
 523  SEGSHFAC002       0.18
********   RECORD NUMBER   523 REPLACES RECORD NUMBER    38   ********
 524  SEGSHFAC003       0.1
********   RECORD NUMBER   524 REPLACES RECORD NUMBER    39   ********
     *
     * Form 'Basic Parameters' Comment:
     * Tail (0-10)
     *
     * EANAM2 - Name of emergency response cohort
 525  EZEANAM2001       'Group 5'
********   RECORD NUMBER   525 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
```

```
 526  EZWTFRAC001       0.062
********   RECORD NUMBER   526 REPLACES RECORD NUMBER    44   ********
     *
     * TRAVELPOINT - determines whether boundary or centerpoint of destination is evacuee objective.
 527  TRAVELPOINT       CENTERPOINT
********   RECORD NUMBER   527 REPLACES RECORD NUMBER    46   ********
     *
     * ESPEED - evacuee travel speed during the three phases of evacuation
 528  EZESPEED001       2.235
********   RECORD NUMBER   528 REPLACES RECORD NUMBER    47   ********
 529  EZESPEED002       1.341
********   RECORD NUMBER   529 REPLACES RECORD NUMBER    48   ********
 530  EZESPEED003       8.941
********   RECORD NUMBER   530 REPLACES RECORD NUMBER    49   ********
     *
     * ESPMUL - Multiplicative factor that affects ESPEED, applied during times of precipitation.
 531  EZESPMUL001       0.7
********   RECORD NUMBER   531 REPLACES RECORD NUMBER    50   ********
 532  EZESPMUL002       0.7
********   RECORD NUMBER   532 REPLACES RECORD NUMBER    51   ********
 533  EZESPMUL003       0.7
********   RECORD NUMBER   533 REPLACES RECORD NUMBER    52   ********
     *
     * REFPNT - Defines reference time point for actions in evacuation ans sheltering zone.
 534  EZREFPNT001       ALARM
********   RECORD NUMBER   534 REPLACES RECORD NUMBER    53   ********
     *
     * DURBEG - duration of initial phase (beginning) of evacuation, in seconds.
 535  EZDURBEG001       900.
********   RECORD NUMBER   535 REPLACES RECORD NUMBER    54   ********
     *
     * DURMID - duration of middle phase of evacuation, in seconds.
 536  EZDURMID001       10800.
********   RECORD NUMBER   536 REPLACES RECORD NUMBER    55   ********
     *
     * NUMEVA - number of radial spatial elements (i.e. rings) of the sheltering and evacuation region.
 537  EZNUMEVA001       12
********   RECORD NUMBER   537 REPLACES RECORD NUMBER    56   ********
     *
```

```
     * DLTSHL - delay from reference time point to when individual takes shelter.  DLTEVA - delay elapsing between beginning of shelter period to when
individuals begin evacuation.
  538  EZDLTSHL001        5400.
********   RECORD NUMBER   538 REPLACES RECORD NUMBER    57   ********
  539  EZDLTSHL002        5400.
********   RECORD NUMBER   539 REPLACES RECORD NUMBER    58   ********
  540  EZDLTSHL003        5400.
********   RECORD NUMBER   540 REPLACES RECORD NUMBER    59   ********
  541  EZDLTSHL004        5400.
********   RECORD NUMBER   541 REPLACES RECORD NUMBER    60   ********
  542  EZDLTSHL005        5400.
********   RECORD NUMBER   542 REPLACES RECORD NUMBER    61   ********
  543  EZDLTSHL006        5400.
********   RECORD NUMBER   543 REPLACES RECORD NUMBER    62   ********
  544  EZDLTSHL007        5400.
********   RECORD NUMBER   544 REPLACES RECORD NUMBER    63   ********
  545  EZDLTSHL008        5400.
********   RECORD NUMBER   545 REPLACES RECORD NUMBER    64   ********
  546  EZDLTSHL009        5400.
********   RECORD NUMBER   546 REPLACES RECORD NUMBER    65   ********
  547  EZDLTSHL010        5400.
********   RECORD NUMBER   547 REPLACES RECORD NUMBER    66   ********
  548  EZDLTSHL011        5400.
********   RECORD NUMBER   548 REPLACES RECORD NUMBER    67   ********
  549  EZDLTSHL012        5400.
********   RECORD NUMBER   549 REPLACES RECORD NUMBER    68   ********
     *
     * DLTEVA -Delay time to begin evacuation
  550  EZDLTEVA001        15300.
********   RECORD NUMBER   550 REPLACES RECORD NUMBER    72   ********
  551  EZDLTEVA002        15300.
********   RECORD NUMBER   551 REPLACES RECORD NUMBER    73   ********
  552  EZDLTEVA003        15300.
********   RECORD NUMBER   552 REPLACES RECORD NUMBER    74   ********
  553  EZDLTEVA004        15300.
********   RECORD NUMBER   553 REPLACES RECORD NUMBER    75   ********
  554  EZDLTEVA005        15300.
********   RECORD NUMBER   554 REPLACES RECORD NUMBER    76   ********
  555  EZDLTEVA006        15300.
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******** RECORD NUMBER  555 REPLACES RECORD NUMBER   77 ********
 556 EZDLTEVA007       15300.
******** RECORD NUMBER  556 REPLACES RECORD NUMBER   78 ********
 557 EZDLTEVA008       15300.
******** RECORD NUMBER  557 REPLACES RECORD NUMBER   79 ********
 558 EZDLTEVA009       15300.
******** RECORD NUMBER  558 REPLACES RECORD NUMBER   80 ********
 559 EZDLTEVA010       15300.
******** RECORD NUMBER  559 REPLACES RECORD NUMBER   81 ********
 560 EZDLTEVA011       15300.
******** RECORD NUMBER  560 REPLACES RECORD NUMBER   82 ********
 561 EZDLTEVA012       15300.
******** RECORD NUMBER  561 REPLACES RECORD NUMBER   83 ********
     *
     * ESPGRD_NET - Evacuation speed multiplier for network evacuation
 562 EZESPGRD001    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
******** RECORD NUMBER  562 REPLACES RECORD NUMBER   87 ********
 563 EZESPGRD002    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
******** RECORD NUMBER  563 REPLACES RECORD NUMBER   88 ********
 564 EZESPGRD003    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
******** RECORD NUMBER  564 REPLACES RECORD NUMBER   89 ********
 565 EZESPGRD004    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
******** RECORD NUMBER  565 REPLACES RECORD NUMBER   90 ********
 566 EZESPGRD005    0.75    0.75    1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.
         1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      1.      0.75    0.75    0.75
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******** RECORD NUMBER   566 REPLACES RECORD NUMBER    91 ********
 567 EZESPGRD006     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   567 REPLACES RECORD NUMBER    92 ********
 568 EZESPGRD007     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   568 REPLACES RECORD NUMBER    93 ********
 569 EZESPGRD008     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   569 REPLACES RECORD NUMBER    94 ********
 570 EZESPGRD009     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   570 REPLACES RECORD NUMBER    95 ********
 571 EZESPGRD010     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   571 REPLACES RECORD NUMBER    96 ********
 572 EZESPGRD011     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   572 REPLACES RECORD NUMBER    97 ********
 573 EZESPGRD012     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.      0.75     0.75     0.75
******** RECORD NUMBER   573 REPLACES RECORD NUMBER    98 ********
 574 EZESPGRD013     0.75     0.75     1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.       1.
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         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     0.75   1.     1.     1.     1.     1.     1.     0.75   0.75   0.75
********  RECORD NUMBER  574 REPLACES RECORD NUMBER   99  ********
 575  EZESPGRD014    0.75   0.75   1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.5    1.5    1.5    1.5    1.5    1.5    1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     0.75   1.     1.     1.     1.     1.     1.     0.75   0.75   0.75
********  RECORD NUMBER  575 REPLACES RECORD NUMBER  100  ********
 576  EZESPGRD015    0.75   0.75   1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.5    1.5    1.5    1.     1.     1.     1.     1.     1.5    1.5    1.5
         1.5    1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     0.75   1.     1.     1.     1.     1.     1.     0.75   0.75   0.75
********  RECORD NUMBER  576 REPLACES RECORD NUMBER  101  ********
 577  EZESPGRD016    0.75   0.75   1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     0.75   0.75   0.75
********  RECORD NUMBER  577 REPLACES RECORD NUMBER  102  ********
 578  EZESPGRD017    0.75   0.75   1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.
         1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     0.75   0.75   0.75
********  RECORD NUMBER  578 REPLACES RECORD NUMBER  103  ********
     *
     * IDIREC - destination direction of every spatial element in the evacuation and sheltering region
 579  EZIDIREC001    1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
********  RECORD NUMBER  579 REPLACES RECORD NUMBER  104  ********
 580  EZIDIREC002    1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
********  RECORD NUMBER  580 REPLACES RECORD NUMBER  105  ********
 581  EZIDIREC003    1      1      1      1      1      1      1      1      1      1      1      1      1      2      1
         1      1      1      1      1      1      1      1      1      2      1      4      4      4      4      2      2
         2      2      2      1      1      1      4      4      4      4      2      2      2      1      1      1      1
         1      1      1      1      1      1      1      1      1      1      1      1      4      1      1
```

******** RECORD NUMBER 581 REPLACES RECORD NUMBER 106 ********

582 EZIDIREC004 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

4 2 2 1 1 1 1 4 4 4 2 2 1 4 4 2 1

4 4 2 1 1 4 2 1 4 4 4 4 4 1 1

******** RECORD NUMBER 582 REPLACES RECORD NUMBER 107 ********

583 EZIDIREC005 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

4 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1

1 1 1 1 2 1 4 4 2 2 1 4 4 2 2 1 4

4 2 2 1 4 4 2 1 1 1 1 1 1 1 1

******** RECORD NUMBER 583 REPLACES RECORD NUMBER 108 ********

584 EZIDIREC006 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 4

1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2

2 2 1 1 1 1 2 1 1 4 2 2 1 2 1 4 4

2 2 1 4 4 4 4 4 4 4 1 1 1 1 1

******** RECORD NUMBER 584 REPLACES RECORD NUMBER 109 ********

585 EZIDIREC007 2 2 1 2 2 1 2 2 1 4 2 1 4 2 2

1 1 1 1 1 1 1 1 1 1 1 2 2 1 4 4 2

1 1 1 1 4 4 2 2 1 1 4 4 1 1 4 1 4

2 2 1 4 4 4 4 4 4 1 1 1 1 1 1

******** RECORD NUMBER 585 REPLACES RECORD NUMBER 110 ********

586 EZIDIREC008 1 4 1 1 4 2 1 4 2 1 1 4 2 2 1

1 2 1 1 1 4 4 4 1 1 1 1 1 1 4 1 4

2 1 4 4 2 1 2 1 2 1 4 2 1 4 2 1 1

4 2 1 4 4 4 2 2 1 1 1 1 1 2 2

******** RECORD NUMBER 586 REPLACES RECORD NUMBER 111 ********

587 EZIDIREC009 1 1 4 2 1 1 2 1 1 4 1 4 1 4 1

1 1 2 1 1 1 4 4 4 1 1 4 1 2 2 2 1

1 2 1 4 2 1 2 1 2 1 1 4 1 4 1 4 4

2 2 1 4 2 1 4 1 4 1 1 1 2 2 2

******** RECORD NUMBER 587 REPLACES RECORD NUMBER 112 ********

588 EZIDIREC010 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 4 4 4

2 2 2 2 1 2 1 4 2 1 1 1 4 2 1 4 4

2 2 1 1 1 1 1 4 4 1 1 1 1 1 1

******** RECORD NUMBER 588 REPLACES RECORD NUMBER 113 ********

589 EZIDIREC011 1 1 4 2 1 4 2 1 4 4 2 1 4 2 1

4 4 2 2 2 2 2 2 1 4 4 1 1 4 2 2 1

```
        1       1       4       2       1       4       1       4       2       1       4       1       1       2       1       1       4
        4       4       2       2       2       1       4       4       4       2       2       1       4       2       2
******** RECORD NUMBER  589 REPLACES RECORD NUMBER  114 ********
 590 EZIDIREC012        2       1       1       4       1       1       4       1       4       4       2       1       4       2       1
        1       4       4       2       2       2       1       4       1       2       1       2       2       1       4       4       2
        2       1       1       4       4       2       1       1       1       1       4       1       1       1       1       4       4
        4       2       2       2       2       1       4       2       1       1       2       2       1       4       2
******** RECORD NUMBER  590 REPLACES RECORD NUMBER  115 ********
 591 EZIDIREC013        1       1       4       1       4       2       1       1       2       1       4       4       2       2       1
        1       1       1       1       1       1       2       1       2       2       1       1       2       1       4       2       2
        1       4       2       1       4       4       1       1       4       2       1       1       2       1       2       1       4
        4       2       2       2       1       1       4       2       1       4       2       1       4       1       1
******** RECORD NUMBER  591 REPLACES RECORD NUMBER  116 ********
 592 EZIDIREC014        1       1       4       1       1       1       2       1       2       1       2       1       1       2       1
        1       1       1       1       1       1       4       1       1       1       1       2       1       4       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       1       1       1       2       1       1
        4       4       2       2       1       1       4       1       4       1       1       1       1       1       1
******** RECORD NUMBER  592 REPLACES RECORD NUMBER  117 ********
 593 EZIDIREC015        1       1       4       2       2       2       1       1       1       1       1       1       1       1       1
        1       1       1       1       1       1       1       1       4       4       4       2       2       2       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       4       1       2       1       1       1
        4       2       1       2       1       1       2       1       1       2       2       2       1       2       1
******** RECORD NUMBER  593 REPLACES RECORD NUMBER  118 ********
 594 EZIDIREC016        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
        4       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  594 REPLACES RECORD NUMBER  119 ********
 595 EZIDIREC017        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
        1       1       1       1       1       1       1       1       1       1       1       1       1       1       1
******** RECORD NUMBER  595 REPLACES RECORD NUMBER  120 ********
    *
    * LASMOV - The outermost spatial interval of the evacuation movement zone.
 596 EZLASMOV001        17
******** RECORD NUMBER  596 REPLACES RECORD NUMBER  121 ********
    *
    * CRIORG - critical organ for relocation decisions during emergency-phase period
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 597  SRCRIORG001       L-ICRP60ED
********   RECORD NUMBER   597 REPLACES RECORD NUMBER   123   ********
     *
     * EFFACY,  KI Ingestion
 598  EZEFFACY001       0.7
********   RECORD NUMBER   598 REPLACES RECORD NUMBER   236   ********
     *
     * POPFRAC, KI Ingestion
 599  EZPOPFRC001       0.
********   RECORD NUMBER   599 REPLACES RECORD NUMBER   237   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   4 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   4
NUMBER OF RECORDS CHANGED           =   90
NUMBER OF RECORDS ADDED             =    0
*****************************************************************************************************
```

With 1=forwards, 2=rightwards, 3=backwards, and 4=leftwards,
The Evacuation Network For This Scenario Was Defined As Follows:

IRAD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	
6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	
7	2	2	1	2	2	1	2	2	1	4	2	1	4	2	2	1
8	1	4	1	1	4	2	1	4	2	1	1	4	2	2	1	1
9	1	1	4	2	1	1	2	1	1	4	1	4	1	4	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	4	2	1	4	2	1	4	4	2	1	4	2	1	4
12	2	1	1	4	1	1	4	1	4	4	2	1	4	2	1	1
13	1	1	4	1	4	2	1	1	2	1	4	4	2	2	1	1

14	1	1	4	1	1	1	2	1	2	1	2	1	1	2	1	1
15	1	1	4	2	2	2	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	1	1	1	1	1	1	1	2	1	4	4	4	4	2	2	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	
6	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
7	1	1	1	1	1	1	1	1	1	2	2	1	4	4	2	
8	2	1	1	1	4	4	4	1	1	1	1	1	1	4	1	4
9	1	2	1	1	1	4	4	4	1	1	4	1	2	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4
11	4	2	2	2	2	2	2	1	4	4	1	1	4	2	2	1
12	4	4	2	2	2	1	4	1	2	1	2	2	1	4	4	2
13	1	1	1	1	1	2	1	2	2	1	1	2	1	4	2	2
14	1	1	1	1	1	4	1	1	1	1	2	1	4	1	1	1
15	1	1	1	1	1	1	1	4	4	4	2	2	2	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

IRAD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2	1	1	1	1	1	1	1	1	1	1	1	1	1			
3	2	2	2	1	1	1	4	4	4	4	2	2	2	1	1	1
4	4	2	2	1	1	1	1	4	4	4	2	2	1	4	4	2
5	1	1	1	1	2	1	4	4	2	2	1	4	4	2	2	1
6	2	2	1	1	1	1	2	1	1	4	2	2	1	2	1	4
7	1	1	1	1	4	4	2	2	1	1	4	4	1	1	4	1
8	2	1	4	4	2	1	2	1	2	1	4	2	1	4	2	1
9	1	2	1	4	2	1	2	1	2	1	1	4	1	4	1	4
10	2	2	2	2	1	2	1	4	2	1	1	1	4	2	1	4
11	1	1	4	2	1	4	1	4	2	1	4	1	1	2	1	1
12	2	1	1	4	4	2	1	1	1	1	4	1	1	1	1	4
13	1	4	2	1	4	4	1	1	4	2	1	1	2	1	2	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1

```
 15    1  1  1  1  1  1  1  1  1  1  1  4  1  2  1  1
 16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1

IRAD    49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64
  1     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  2     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
  3     1  1  1  1  1  1  1  1  1  1  1  1  1  4  1  1
  4     1  4  4  2  1  1  4  2  1  4  4  4  4  4  1  1
  5     4  4  2  2  1  4  4  2  1  1  1  1  1  1  1  1
  6     4  2  2  1  4  4  4  4  4  4  4  1  1  1  1  1
  7     4  2  2  1  4  4  4  4  4  4  1  1  1  1  1  1
  8     1  4  2  1  4  4  4  2  2  1  1  1  1  1  2  2
  9     4  2  2  1  4  2  1  4  1  4  1  1  1  2  2  2
 10     4  2  2  1  1  1  1  1  4  4  1  1  1  1  1  1
 11     4  4  4  2  2  2  1  4  4  4  2  2  1  4  2  2
 12     4  4  2  2  2  2  1  4  2  1  1  2  2  1  4  2
 13     4  4  2  2  2  1  1  4  2  1  4  2  1  4  1  1
 14     1  4  4  2  2  1  1  4  1  4  1  1  1  1  1  1
 15     1  4  2  1  2  1  1  2  1  1  2  2  2  1  2  1
 16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
THE KI MODEL IS IN EFFECT


******** BEGINNING OF CHANGE CASE   5 USER INPUT ********
      *
     * CSFACT - Cloudshine shielding factor
  600  SECSFACT001       1.
********   RECORD NUMBER   600 REPLACES RECORD NUMBER    25   ********
  601  SECSFACT002       0.6
********   RECORD NUMBER   601 REPLACES RECORD NUMBER    26   ********
  602  SECSFACT003       0.5
********   RECORD NUMBER   602 REPLACES RECORD NUMBER    27   ********
      *
     * PROTIN - Inhalation protection factor
  603  SEPROTIN001       0.98
********   RECORD NUMBER   603 REPLACES RECORD NUMBER    28   ********
  604  SEPROTIN002       0.46
```

```
********   RECORD NUMBER   604 REPLACES RECORD NUMBER    29   ********
 605  SEPROTIN003        0.33
********   RECORD NUMBER   605 REPLACES RECORD NUMBER    30   ********
     *
     * BRRATE - Breathing rates
 606  SEBRRATE001        2.66E-04
********   RECORD NUMBER   606 REPLACES RECORD NUMBER    31   ********
 607  SEBRRATE002        2.66E-04
********   RECORD NUMBER   607 REPLACES RECORD NUMBER    32   ********
 608  SEBRRATE003        2.66E-04
********   RECORD NUMBER   608 REPLACES RECORD NUMBER    33   ********
     *
     * SKPFAC - skin protection factors
 609  SESKPFAC001        0.98
********   RECORD NUMBER   609 REPLACES RECORD NUMBER    34   ********
 610  SESKPFAC002        0.46
********   RECORD NUMBER   610 REPLACES RECORD NUMBER    35   ********
 611  SESKPFAC003        0.33
********   RECORD NUMBER   611 REPLACES RECORD NUMBER    36   ********
     *
     * GSHFAC - groundshine shielding factors
 612  SEGSHFAC001        0.5
********   RECORD NUMBER   612 REPLACES RECORD NUMBER    37   ********
 613  SEGSHFAC002        0.18
********   RECORD NUMBER   613 REPLACES RECORD NUMBER    38   ********
 614  SEGSHFAC003        0.1
********   RECORD NUMBER   614 REPLACES RECORD NUMBER    39   ********
     *
     * Form 'Basic Parameters' Comment:
     * Non Evacuating Cohort
     *
     * EANAM2 - Name of emergency response cohort
 615  EZEANAM2001        'Group 6'
********   RECORD NUMBER   615 REPLACES RECORD NUMBER    42   ********
     *
     * WTFRAC - weighting fraction applied to results of emergency response cohort
 616  EZWTFRAC001        0.005
********   RECORD NUMBER   616 REPLACES RECORD NUMBER    44   ********
     *
```

```
     * LASMOV2  (used for no evacuation), always 0
 617  EZLASMOV001       0
********   RECORD NUMBER   617 REPLACES RECORD NUMBER   121   ********
     *
     * CRIORG - critical organ for relocation decisions during emergency-phase period
 618  SRCRIORG001       L-ICRP60ED
********   RECORD NUMBER   618 REPLACES RECORD NUMBER   123   ********
     *
     * EFFACY,  KI Ingestion
 619  EZEFFACY001       0.7
********   RECORD NUMBER   619 REPLACES RECORD NUMBER   236   ********
     *
     * POPFRAC, KI Ingestion
 620  EZPOPFRC001       0.
********   RECORD NUMBER   620 REPLACES RECORD NUMBER   237   ********
     .
******** TERMINATOR RECORD ENCOUNTERED -- END OF CHANGE CASE   5 USER INPUT ********

USER INPUT PROCESSING SUMMARY - CHANGE CASE   5
NUMBER OF RECORDS CHANGED           =   21
NUMBER OF RECORDS ADDED             =    0
************************************************************************************************


NO EVACUATION REQUESTED
THE KI MODEL IS IN EFFECT



******** WARNING -- THE FOLLOWING RECORDS WERE NEVER ACCESSED ********

     STFRACLD001          1.0


USER INPUT IS READ FROM UNIT 26
RECORD IDENTIFIER FIELDS  11 CHARACTERS LONG ARE EXPECTED.
THE FIRST 499 COLUMNS OF EACH INPUT RECORD ARE PROCESSED.

RECORD
```

```
NUMBER                          RECORD

     * File created using WinMACCS version 3.7.0 4/16/2014 1:56:04 PM
     *
     * CHNAME - description
   1 CHCHNAME001       'Peach Bottom with no Food-Chain Modeling'
     *
     * EVACST - daily cost
   2 CHEVACST001       172.
     *
     * RELCST - daily cost due to intermediate
   3 CHRELCST001       172.
     *
     * DUR_INTPHAS, intermediate-phase period
   4 DUR_INTPHAS       0.
     *
     * TMPACT - long term dose period
   5 CHTMPACT001       3.16E+07
     *
     * Form 'Long Term Dose Criterion' Comment:
     * Value of DSCRLT (0.005) from Pennsylvania Bureau of Radiation Protection.
     *
     * DSCRTI - dose criterion for phase
   6 CHDSCRTI001       1.00000E+05
     *
     * DSCRLT - dose criterion for habitation
   7 CHDSCRLT001       0.005
     *
     * EXPTIM - long term exposure period
   8 CHEXPTIM001       1.58E+09
     *
     * CRTOCR - critical organ
   9 CHCRTOCR001       L-ICRP60ED
     *
     * Form 'Number of Plan Levels' Comment:
     * From NUREG-1150.
     *
     * LVLDEC - number of decontamination levels
  10 CHLVLDEC001       2
```

```
   *
   * TIMDEC - time for each level
11  CHTIMDEC001        5.184000E+06
12  CHTIMDEC002        1.0368E+07
   *
   * DSRFCT - effectiveness of decontamination
13  CHDSRFCT001        3.
14  CHDSRFCT002        15.
   *
   * CDFRM - farmland decontamination cost
15  CHCDFRM0001        1330.
16  CHCDFRM0002        2960.
   *
   * CDNFRM - nonfarmland decontamination cost
17  CHCDNFRM001        7110.
18  CHCDNFRM002        19000.
   *
   * FRFDL - fraction farmland cost due labor
19  CHFRFDL0001        0.3
20  CHFRFDL0002        0.35
   *
   * FRNFDL - fraction nonfarmland cost due labor
21  CHFRNFDL001        0.7
22  CHFRNFDL002        0.5
   *
   * TFWKF - fraction time farmland worker
23  CHTFWKF0001        0.1
24  CHTFWKF0002        0.33
   *
   * TFWKNF - fraction time nonfarmland worker
25  CHTFWKNF001        0.33
26  CHTFWKNF002        0.33
   *
   * DLBCST - labor cost decontamination worker
27  CHDLBCST001        84000.
   *
   * DPRATE - depreciation rate applies to improvements
28  CHDPRATE001        0.2
   *
```

```
   * DSRATE - rate of return
29 CHDSRATE001       0.12
   *
   * POPCST - Per capita removal cost
30 CHPOPCST001       12000.
   *
   * NGWTRM - number weathering terms
31 CHNGWTRM001       2
   *
   * GWCOEF - groundshine coefficient
32 CHGWCOEF001       0.5
33 CHGWCOEF002       0.5
   *
   * TGWHLF - groundshine half lives
34 CHTGWHLF001       1.6E+07
35 CHTGWHLF002       2.8E+09
   *
   * NRWTRM - number resuspension terms
36 CHNRWTRM001       3
   *
   * RWCOEF - resuspension coefficient
37 CHRWCOEF001       1.E-05
38 CHRWCOEF002       1.E-07
39 CHRWCOEF003       1.E-09
   *
   * TRWHLF - resuspension half lives
40 CHTRWHLF001       1.6E+07
41 CHTRWHLF002       1.6E+08
42 CHTRWHLF003       1.6E+09
   *
   * VALWF - value of farm wealth
43 CHVALWF0001       9040.
   *
   * FRFIM - fraction of farm wealth due improvements
44 CHFRFIM0001       0.25
   *
   * VALWNF - value of nonfarm wealth
45 CHVALWNF001       2.10000E+05
   *
```

```
   * FRNFIM - fraction nonfarm wealth due improvements
46 CHFRNFIM001        0.8
   *
   * FDPATH, value = OLD, NEW or OFF to use models MACCS food, Comida2 or no food model respectively
47 CHFDPATH001        NEW
   *
   * Form 'COMIDA2 File' Comment:
   * Not needed.
   *
   * COMIDA2_INP - use for premade comida2
48 BIN_FILE001        'J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\samp_a_FGR13GyEquivDCF.bin'
   *
   * DOSEMILK
49 DOSEMILK001        0.025
50 DOSEMILK002        0.075
   *
   * DOSEOTHR
51 DOSEOTHR001        0.025
52 DOSEOTHR002        0.075
   *
   * DOSELONG
53 DOSELONG001        0.005
54 DOSELONG002        0.015
   *
   * Form 'Water Ingestion Radionuclides' Comment:
   *
   *
   * NUMWPI - size of array NAMWPI
55 CHNUMWPI001        4
   *
   * popflg=FILE,NAMWPI, WSHFRI, WSHRTA, WINGF - water ingestion data
56 CHWTRISO001        Sr-89     0.01      0.004     0.
57 CHWTRISO002        Sr-90     0.01      0.004     0.
58 CHWTRISO003        Cs-134    0.005     0.001     0.
59 CHWTRISO004        Cs-137    0.005     0.001     0.
   *
   * KSWTCH - chronc output diagnostic switch
60 CHKSWTCH001        0
   *
```

```
    * FRCFRM_FILE - popflg = FILE, dummy variable
 61  CHFRCFRM001       1.0
    *
    * FRMPRD_FILE - popflg=FILE, dummy variable
 62  CHFRMPRD001       0.0
    *
    * DPFRCT_FILE - popflg=FILE, dummy variable
 63  CHDPFRCT001       0.0
    *
    * Form 'Shielding and Exposure' Comment:
    * Data are taken directly from NUREG-1150 for normal activity.
    *
    * LPROTIN - Inhalation protection factor used in CHRONC
 64  CHLPROTIN01       0.46
    *
    * LBRRATE - Breathing rate used in CHRONC
 65  CHLBRRATE01       2.66E-04
    *
    * LGSHFAC - groundshine shielding factor used in CHRONC
 66  CHLGSHFAC01       0.18
    *
    * NXUM9=0
 67  TYPE9NUMBER       0
    *
    * NXUM9, number of type9 results
 68  TYPE9NUMBER       4
********   RECORD NUMBER    68 REPLACES RECORD NUMBER    67   ********
    *
    * ORGNAM7, IX1DS9, IX2DS9, CCDF9 - Population Dose
 69  TYPE9OUT001       L-ICRP60ED      1         12        NONE
 70  TYPE9OUT002       L-ICRP60ED      1         19        NONE
 71  TYPE9OUT003       L-ICRP60ED      1         21        NONE
 72  TYPE9OUT004       L-ICRP60ED      1         26        NONE
    *
    * NXUM10=0
 73  TYP10NUMBER       0
    *
    * NXUM10, number of type10 results
 74  TYP10NUMBER       3
```

```
********   RECORD NUMBER    74 REPLACES RECORD NUMBER    73   ********
     *
     *  I1DS10, I2DS10, CCDF10 - Economic Cost
  75  TYP10OUT001         1           26          NONE
  76  TYP10OUT002         1           19          NONE
  77  TYP10OUT003         1           12          NONE
     *
     * FLAG11 - Action Distance
  78  TYP11FLAG11         .TRUE.   NONE
     *
     * NUM12=0
  79  TYP12NUMBER         0
     *
     * NUM12, number of type 12 results
  80  TYP12NUMBER         2
********   RECORD NUMBER    80 REPLACES RECORD NUMBER    79   ********
     *
     * I1DS12, I2DS12, Impacted Area/Population
  81  TYP12OUT001         1           26          NONE
  82  TYP12OUT002         1           19          NONE
     *
     * NUM13=0
  83  TYP13NUMBER         0
     *
     * NUM13, number of type 13 results
  84  TYP13NUMBER         20
********   RECORD NUMBER    84 REPLACES RECORD NUMBER    83   ********
     *
     * IRAD13, ORGN13, Max Individual Food Ingestion Dose at a Distance
  85  TYP13OUT001         2           EFFECTIVE         NONE
  86  TYP13OUT002         4           EFFECTIVE         NONE
  87  TYP13OUT003         6           EFFECTIVE         NONE
  88  TYP13OUT004         8           EFFECTIVE         NONE
  89  TYP13OUT005         10          EFFECTIVE         NONE
  90  TYP13OUT006         12          EFFECTIVE         NONE
  91  TYP13OUT007         14          EFFECTIVE         NONE
  92  TYP13OUT008         16          EFFECTIVE         NONE
  93  TYP13OUT009         18          EFFECTIVE         NONE
  94  TYP13OUT010         20          EFFECTIVE         NONE
```

```
  95  TYP13OUT011       2         THYROID         NONE
  96  TYP13OUT012       4         THYROID         NONE
  97  TYP13OUT013       6         THYROID         NONE
  98  TYP13OUT014       8         THYROID         NONE
  99  TYP13OUT015       10        THYROID         NONE
 100  TYP13OUT016       12        THYROID         NONE
 101  TYP13OUT017       14        THYROID         NONE
 102  TYP13OUT018       16        THYROID         NONE
 103  TYP13OUT019       18        THYROID         NONE
 104  TYP13OUT020       20        THYROID         NONE
      .
******** TERMINATOR RECORD ENCOUNTERED -- END OF BASE CASE USER INPUT ********


USER INPUT PROCESSING SUMMARY - BASE CASE

NUMBER OF RECORDS READ                      =  239
NUMBER OF BLANK OR COMMENT RECORDS READ     =  134
NUMBER OF TERMINATOR RECORDS                =    1
NUMBER OF RECORDS PROCESSED                 =  104
   NUMBER OF PROCESSED RECORDS DUPLICATED   =    4
   NUMBER OF PROCESSED RECORDS SORTED       =  100
*************************************************************************************************


READING COMIDA2 FILE: J:\SECY-12-0157 Encl 5b Case 2 (4-16-2014 2pm)\Data\samp_a_FGR13GyEquivDCF.bin
COMIDA2 binary file header =
COMIDA2 20120302   19:05:30   Version 1.13.0.1, 06/20/07

COMIDA2 descriptive title  =
FGR13DF 5/13/2008 12:23:56   Version 1.03, Gy-Equivalent DCFs

Internal Dose Coefficients derived from FGR 13, EPA 402-R-99-001

COMIDA2 LASTSTOR =          9

A SITE DATA FILE IS BEING USED FOR BOTH "EARLY" AND "CHRONC"

 8 CANCER EFFECTS ARE DEFINED IN THE MODEL.
```

INDEX	CANCER EFFECT	ORGAN	ALPHA	BETA	CFRISK	CIRISK
1	LEUKEMIA	L-RED MARR	1.000E+00	0.000E+00	1.110E-02	1.130E-02
2	BONE	L-BONE SUR	1.000E+00	0.000E+00	1.900E-04	2.710E-04
3	BREAST	L-BREAST	1.000E+00	0.000E+00	5.060E-03	1.010E-02
4	LUNG	L-LUNGS	1.000E+00	0.000E+00	1.980E-02	2.080E-02
5	THYROID	L-THYROID	1.000E+00	0.000E+00	6.480E-04	6.480E-03
6	LIVER	L-LIVER	1.000E+00	0.000E+00	3.000E-03	3.160E-03
7	COLON	L-LOWER LI	1.000E+00	0.000E+00	2.080E-02	3.780E-02
8	RESIDUAL	L-BLAD WAL	1.000E+00	0.000E+00	4.930E-02	1.690E-01

TIME OF HOTSPOT RELOCATION IS 4.3200E+04.
TIME OF NORMAL RETURN IS 8.640E+04 AND THE EMERGENCY PHASE ENDS AT 6.048E+05.

GROUNDSHINE SHIELDING FACTOR = 0.180

RESUSPENSION PROTECTION FACTOR = 0.460

BREATHING RATE (CUBIC M/S) = 2.660E-04

DISPERSION MODEL FLAG IS 3

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0.0169	0.0099	0.0042	0.0113	0.0042	0.0000	0.0028	0.0085	0.0042	0.0099	0.0099	0.0071	0.0042	0.0071	0.0113	0.0155
2	0.0167	0.0143	0.0119	0.0167	0.0048	0.0072	0.0143	0.0167	0.0095	0.0119	0.0048	0.0167	0.0095	0.0143	0.0263	0.0286
3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0111	0.0111	0.0111	0.0000	0.0222	0.0111	0.0222	0.0222	0.0000	0.0000	0.0333
4	0.0172	0.0210	0.0134	0.0095	0.0115	0.0095	0.0095	0.0076	0.0057	0.0076	0.0076	0.0115	0.0115	0.0210	0.0191	0.0134
5	0.0124	0.0212	0.0106	0.0124	0.0106	0.0071	0.0088	0.0053	0.0106	0.0053	0.0088	0.0053	0.0124	0.0071	0.0124	0.0265
6	0.0040	0.0054	0.0027	0.0040	0.0081	0.0027	0.0027	0.0054	0.0108	0.0040	0.0081	0.0108	0.0135	0.0108	0.0135	0.0148
7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000	0.0096	0.0048	0.0385	0.0721
8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9	0.0226	0.0288	0.0309	0.0041	0.0082	0.0370	0.0123	0.0062	0.0165	0.0103	0.0185	0.0144	0.0041	0.0082	0.0103	0.0103
10	0.0282	0.0301	0.0214	0.0107	0.0136	0.0107	0.0117	0.0136	0.0097	0.0136	0.0175	0.0253	0.0224	0.0146	0.0224	0.0301
11	0.0103	0.0129	0.0078	0.0091	0.0052	0.0039	0.0039	0.0052	0.0091	0.0220	0.0272	0.0298	0.0310	0.0233	0.0336	0.0401
12	0.0085	0.0113	0.0028	0.0056	0.0056	0.0000	0.0085	0.0056	0.0113	0.0085	0.0113	0.0085	0.0282	0.0169	0.0339	0.0565
13	0.0176	0.0118	0.0412	0.0216	0.0137	0.0235	0.0314	0.0098	0.0275	0.0314	0.0255	0.0235	0.0196	0.0216	0.0275	0.0255
14	0.0053	0.0040	0.0160	0.0053	0.0093	0.0187	0.0120	0.0267	0.0293	0.0573	0.0600	0.0773	0.0960	0.0547	0.0667	0.0560
15	0.0000	0.0073	0.0000	0.0000	0.0073	0.0000	0.0073	0.0000	0.0219	0.0584	0.0803	0.0657	0.1168	0.1387	0.0949	0.1022

16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.2500 0.2500 0.0000 0.2500 0.0000 0.2500 0.0000
17 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
18 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
19 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
20 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
21 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
22 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
23 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
24 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
25 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
26 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
27 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
28 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
29 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
30 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
31 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
32 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
33 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
34 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
35 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
36 0.0182 0.0231 0.0126 0.0105 0.0105 0.0112 0.0161 0.0105 0.0070 0.0168 0.0161 0.0105 0.0098 0.0098 0.0105 0.0154
37 0.0146 0.0162 0.0135 0.0094 0.0088 0.0102 0.0107 0.0100 0.0116 0.0177 0.0195 0.0210 0.0235 0.0186 0.0243 0.0288
38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
1 0.0028 0.0127 0.0071 0.0056 0.0099 0.0099 0.0071 0.0056 0.0071 0.0155 0.0099 0.0268 0.0395 0.0353 0.0226 0.0381
2 0.0048 0.0215 0.0239 0.0382 0.0549 0.0430 0.0406 0.0597 0.0358 0.0501 0.0740 0.0883 0.0644 0.0191 0.0143 0.0048
3 0.0333 0.0222 0.0000 0.0222 0.0000 0.0000 0.0222 0.0222 0.0111 0.0111 0.0000 0.0222 0.0111 0.0111 0.0000 0.0333
4 0.0153 0.0115 0.0191 0.0115 0.0248 0.0153 0.0172 0.0210 0.0248 0.0095 0.0229 0.0191 0.0248 0.0286 0.0172 0.0286
5 0.0106 0.0159 0.0177 0.0212 0.0389 0.0336 0.0319 0.0177 0.0195 0.0478 0.0602 0.0549 0.0460 0.0319 0.0283 0.0478
6 0.0175 0.0229 0.0565 0.0350 0.0579 0.0485 0.0848 0.0713 0.0646 0.0808 0.0619 0.0390 0.0565 0.0296 0.0094 0.0108
7 0.0192 0.0240 0.0337 0.0529 0.0721 0.0769 0.0577 0.1154 0.1250 0.0721 0.0962 0.0337 0.0337 0.0144 0.0000 0.0000
8 0.0313 0.0000 0.0313 0.0313 0.0313 0.0000 0.0000 0.0000 0.0000 0.4688 0.3750 0.0000 0.0000 0.0000 0.0000 0.0000
9 0.0062 0.0062 0.0144 0.0123 0.0082 0.0041 0.0123 0.0185 0.0144 0.0165 0.0082 0.0041 0.0041 0.0144 0.0041 0.0350
10 0.0233 0.0194 0.0262 0.0214 0.0204 0.0126 0.0224 0.0204 0.0117 0.0214 0.0262 0.0097 0.0175 0.0087 0.0126 0.0233

11 0.0453 0.0505 0.0582 0.0440 0.0388 0.0440 0.0310 0.0246 0.0207 0.0401 0.0285 0.0310 0.0207 0.0142 0.0246 0.0155
12 0.0311 0.0226 0.0452 0.0254 0.0678 0.0706 0.0650 0.0537 0.0537 0.0452 0.0282 0.0113 0.0113 0.0198 0.0141 0.0254
13 0.0157 0.0157 0.0137 0.0216 0.0098 0.0157 0.0216 0.0137 0.0196 0.0157 0.0333 0.0020 0.0000 0.0020 0.0020 0.0314
14 0.0307 0.0307 0.0280 0.0173 0.0293 0.0107 0.0200 0.0147 0.0227 0.0133 0.0133 0.0120 0.0133 0.0013 0.0040 0.0253
15 0.0438 0.0438 0.0146 0.0146 0.0219 0.0073 0.0073 0.0292 0.0000 0.0146 0.0000 0.0073 0.0073 0.0000 0.0073 0.0073
16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
17 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
18 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
19 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
20 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
21 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
22 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
23 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
24 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
25 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
26 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
27 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
28 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
29 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
30 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
31 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
32 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
33 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
34 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
35 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
36 0.0042 0.0084 0.0049 0.0091 0.0098 0.0070 0.0126 0.0077 0.0133 0.0189 0.0210 0.0147 0.0175 0.0161 0.0119 0.0266
37 0.0177 0.0201 0.0248 0.0215 0.0282 0.0234 0.0282 0.0263 0.0250 0.0318 0.0322 0.0236 0.0251 0.0172 0.0131 0.0249
38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
1 0.0240 0.0480 0.0452 0.0494 0.0212 0.0184 0.0169 0.0085 0.0071 0.0198 0.0240 0.0184 0.0240 0.0198 0.0226 0.0282
2 0.0000 0.0191 0.0095 0.0095 0.0024 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
3 0.0000 0.0222 0.0000 0.0444 0.0333 0.0222 0.0333 0.0111 0.0000 0.0222 0.0333 0.0222 0.0444 0.0222 0.0444 0.0556
4 0.0191 0.0439 0.0401 0.0305 0.0286 0.0134 0.0153 0.0057 0.0057 0.0153 0.0095 0.0076 0.0134 0.0038 0.0134 0.0134
5 0.0265 0.0159 0.0319 0.0071 0.0071 0.0053 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

6 0.0108 0.0121 0.0242 0.0013 0.0013 0.0000 0.0013 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
7 0.0000 0.0048 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
9 0.0123 0.0082 0.0103 0.0226 0.0062 0.0041 0.0062 0.0062 0.0082 0.0123 0.0082 0.0041 0.0267 0.0185 0.0288 0.0247
10 0.0107 0.0107 0.0165 0.0058 0.0087 0.0078 0.0029 0.0019 0.0000 0.0049 0.0019 0.0019 0.0019 0.0010 0.0019 0.0078
11 0.0091 0.0039 0.0078 0.0065 0.0039 0.0013 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
12 0.0169 0.0113 0.0056 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
13 0.0000 0.0059 0.0020 0.0176 0.0020 0.0000 0.0020 0.0000 0.0000 0.0020 0.0078 0.0020 0.0137 0.0039 0.0157 0.0216
14 0.0013 0.0000 0.0000 0.0027 0.0013 0.0013 0.0000 0.0013 0.0000 0.0000 0.0013 0.0040 0.0000 0.0000 0.0013 0.0040
15 0.0073 0.0000 0.0000 0.0073 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
17 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
18 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
19 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
20 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
21 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
22 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
23 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
24 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
25 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
26 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
27 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
28 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
29 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
30 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
31 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
32 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
33 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
34 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
35 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
36 0.0175 0.0392 0.0196 0.0126 0.0147 0.0084 0.0098 0.0098 0.0056 0.0105 0.0140 0.0098 0.0091 0.0077 0.0154 0.0224
37 0.0122 0.0191 0.0174 0.0132 0.0088 0.0056 0.0051 0.0034 0.0023 0.0058 0.0064 0.0047 0.0072 0.0047 0.0084 0.0112
38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

WINDROSE PROBABILITIES BY WIND DIRECTION AND MET BIN NUMBER

BIN 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64

1 0.0113 0.0311 0.0212 0.0099 0.0198 0.0071 0.0169 0.0099 0.0127 0.0099 0.0099 0.0141 0.0085 0.0155 0.0085 0.0155
2 0.0000 0.0000 0.0000 0.0000 0.0000 0.0024 0.0024 0.0000 0.0000 0.0024 0.0000 0.0048 0.0048 0.0191 0.0358 0.0263
3 0.0000 0.0444 0.0222 0.0111 0.0111 0.0111 0.0333 0.0111 0.0000 0.0111 0.0222 0.0111 0.0222 0.0000 0.0111 0.0000
4 0.0172 0.0057 0.0019 0.0095 0.0095 0.0115 0.0172 0.0153 0.0115 0.0115 0.0172 0.0191 0.0191 0.0153 0.0134 0.0191
5 0.0000 0.0000 0.0000 0.0000 0.0000 0.0053 0.0088 0.0000 0.0159 0.0265 0.0212 0.0230 0.0283 0.0177 0.0283 0.0301
6 0.0000 0.0000 0.0000 0.0000 0.0000 0.0013 0.0013 0.0027 0.0000 0.0081 0.0013 0.0013 0.0094 0.0202 0.0148 0.0202
7 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0096 0.0048 0.0144 0.0096
8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0313 0.0000 0.0000
9 0.0309 0.0267 0.0206 0.0185 0.0144 0.0165 0.0309 0.0226 0.0103 0.0165 0.0412 0.0226 0.0267 0.0267 0.0309 0.0103
10 0.0049 0.0175 0.0107 0.0107 0.0097 0.0117 0.0155 0.0214 0.0204 0.0204 0.0292 0.0253 0.0311 0.0282 0.0311 0.0330
11 0.0000 0.0026 0.0000 0.0000 0.0026 0.0026 0.0013 0.0013 0.0103 0.0181 0.0194 0.0194 0.0194 0.0246 0.0246 0.0155
12 0.0000 0.0000 0.0000 0.0000 0.0000 0.0028 0.0028 0.0000 0.0056 0.0028 0.0028 0.0085 0.0141 0.0141 0.0339 0.0650
13 0.0451 0.0353 0.0431 0.0059 0.0608 0.0118 0.0255 0.0039 0.0000 0.0078 0.0118 0.0235 0.0059 0.0059 0.0118 0.0000
14 0.0040 0.0133 0.0093 0.0067 0.0107 0.0053 0.0093 0.0040 0.0013 0.0093 0.0000 0.0053 0.0067 0.0053 0.0067 0.0027
15 0.0000 0.0000 0.0000 0.0000 0.0073 0.0000 0.0000 0.0000 0.0000 0.0146 0.0000 0.0000 0.0146 0.0073 0.0073 0.0073
16 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
17 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
18 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
19 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
20 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
21 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
22 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
23 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
24 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
25 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
26 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
27 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
28 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
29 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
30 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
31 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
32 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
33 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
34 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
35 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
36 0.0196 0.0084 0.0105 0.0161 0.0217 0.0112 0.0154 0.0273 0.0259 0.0301 0.0266 0.0287 0.0280 0.0259 0.0350 0.0308
37 0.0104 0.0116 0.0095 0.0073 0.0126 0.0075 0.0121 0.0110 0.0112 0.0155 0.0161 0.0170 0.0183 0.0188 0.0227 0.0213
38 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
39 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

40 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
41 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Processing a Site Data File with Header: SECPOP2000 Version: 3.13.1 MACCS2 Formatted Site: File for Peach Bottom Census
Lat: 39d45'32" Long: 76d16' 9" Population multiplier: 1.0533 Economic multip

THIS PROGRAM CURRENTLY ALLOWS THE GENERATION OF UP TO 3394 RESULTS

YOU HAVE REQUESTED 114 RESULTS FROM "EARLY" COMPOSED OF:

36 RESULTS OF TYPE 1
1 RESULTS OF TYPE 2
3 RESULTS OF TYPE 3
0 RESULTS OF TYPE 4
4 RESULTS OF TYPE 5
0 RESULTS OF TYPE 6
0 RESULTS OF TYPE 7
14 RESULTS OF TYPE 8
52 RESULTS OF TYPE A
0 RESULTS OF TYPE B
0 RESULTS OF TYPE C
4 RESULTS OF TYPE D
0 RESULTS OF TYPE E

YOU HAVE REQUESTED 151 RESULTS FROM "CHRONC" COMPOSED OF:

68 RESULTS OF TYPE 9
39 RESULTS OF TYPE 10
8 RESULTS OF TYPE 11
16 RESULTS OF TYPE 12
20 RESULTS OF TYPE 13

TRIAL	DAY	PERIOD	BIN	PRBMET
1	152	3	9	1.13E-03

For Julian Day 152, selecting COMIDA2 results # 4 of 9

2	152	10	1	1.14E-03

For Julian Day 152, selecting COMIDA2 results # 4 of 9
3 152 15 36 1.43E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
4 152 16 35 1.14E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
5 152 17 34 1.14E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
6 152 18 32 3.23E-04
For Julian Day 152, selecting COMIDA2 results # 4 of 9
7 153 1 10 1.14E-03
For Julian Day 153, selecting COMIDA2 results # 4 of 9
8 153 6 36 1.43E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
9 153 7 36 1.43E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
10 153 9 36 1.43E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
11 153 10 35 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
12 153 11 35 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
13 153 12 34 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
14 153 13 34 1.14E-04
For Julian Day 153, selecting COMIDA2 results # 4 of 9
15 154 12 6 1.15E-03
For Julian Day 154, selecting COMIDA2 results # 4 of 9
16 154 23 10 1.14E-03
For Julian Day 154, selecting COMIDA2 results # 4 of 9
17 154 24 11 1.15E-03
For Julian Day 154, selecting COMIDA2 results # 4 of 9
18 155 10 4 1.15E-03
For Julian Day 155, selecting COMIDA2 results # 4 of 9
19 155 23 11 1.15E-03
For Julian Day 155, selecting COMIDA2 results # 4 of 9
20 156 7 5 1.13E-03
For Julian Day 156, selecting COMIDA2 results # 4 of 9
21 156 19 10 1.14E-03
For Julian Day 156, selecting COMIDA2 results # 4 of 9

22 156 24 9 1.13E-03
For Julian Day 156, selecting COMIDA2 results # 4 of 9
23 157 12 1 1.14E-03
For Julian Day 157, selecting COMIDA2 results # 4 of 9
24 157 18 3 8.56E-04
For Julian Day 157, selecting COMIDA2 results # 4 of 9
25 158 10 21 1.13E-03
For Julian Day 158, selecting COMIDA2 results # 4 of 9
26 158 14 25 1.52E-04
For Julian Day 158, selecting COMIDA2 results # 4 of 9
27 158 15 24 1.14E-04
For Julian Day 158, selecting COMIDA2 results # 4 of 9
28 158 19 12 1.15E-03
For Julian Day 158, selecting COMIDA2 results # 4 of 9
29 159 1 17 1.14E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
30 159 4 14 1.14E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
31 159 10 4 1.15E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
32 159 17 26 2.38E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
33 159 18 25 1.52E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
34 159 19 24 1.14E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
35 159 20 22 1.09E-03
For Julian Day 159, selecting COMIDA2 results # 4 of 9
36 159 24 18 5.99E-04
For Julian Day 159, selecting COMIDA2 results # 4 of 9
37 160 6 14 1.14E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
38 160 10 5 1.13E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
39 160 12 20 1.12E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
40 160 13 19 1.11E-03
For Julian Day 160, selecting COMIDA2 results # 4 of 9
41 161 1 11 1.15E-03

For Julian Day 161, selecting COMIDA2 results # 4 of 9
42 161 12 2 1.14E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
43 161 17 6 1.15E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
44 161 20 11 1.15E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
45 161 23 15 1.12E-03
For Julian Day 161, selecting COMIDA2 results # 4 of 9
46 163 7 10 1.14E-03
For Julian Day 163, selecting COMIDA2 results # 4 of 9
47 163 12 1 1.14E-03
For Julian Day 163, selecting COMIDA2 results # 4 of 9
48 164 3 14 1.14E-03
For Julian Day 164, selecting COMIDA2 results # 4 of 9
49 165 11 1 1.14E-03
For Julian Day 165, selecting COMIDA2 results # 4 of 9
50 165 12 1 1.14E-03
For Julian Day 165, selecting COMIDA2 results # 4 of 9

TRIAL DAY PERIOD BIN PRBMET
51 165 21 11 1.15E-03
For Julian Day 165, selecting COMIDA2 results # 4 of 9
52 166 3 11 1.15E-03
For Julian Day 166, selecting COMIDA2 results # 4 of 9
53 166 12 2 1.14E-03
For Julian Day 166, selecting COMIDA2 results # 4 of 9
54 167 16 4 1.15E-03
For Julian Day 167, selecting COMIDA2 results # 5 of 9
55 167 21 14 1.14E-03
For Julian Day 167, selecting COMIDA2 results # 5 of 9
56 167 24 13 1.14E-03
For Julian Day 167, selecting COMIDA2 results # 5 of 9
57 168 6 13 1.14E-03
For Julian Day 168, selecting COMIDA2 results # 5 of 9
58 169 9 4 1.15E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
59 169 14 1 1.14E-03

For Julian Day 169, selecting COMIDA2 results # 5 of 9
60 169 18 6 1.15E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
61 169 23 10 1.14E-03
For Julian Day 169, selecting COMIDA2 results # 5 of 9
62 170 13 26 2.38E-04
For Julian Day 170, selecting COMIDA2 results # 5 of 9
63 170 15 24 1.14E-04
For Julian Day 170, selecting COMIDA2 results # 5 of 9
64 170 19 10 1.14E-03
For Julian Day 170, selecting COMIDA2 results # 5 of 9
65 171 7 17 1.14E-03
For Julian Day 171, selecting COMIDA2 results # 5 of 9
66 171 13 5 1.13E-03
For Julian Day 171, selecting COMIDA2 results # 5 of 9
67 171 21 14 1.14E-03
For Julian Day 171, selecting COMIDA2 results # 5 of 9
68 172 7 9 1.13E-03
For Julian Day 172, selecting COMIDA2 results # 5 of 9
69 173 2 21 1.13E-03
For Julian Day 173, selecting COMIDA2 results # 5 of 9
70 173 9 10 1.14E-03
For Julian Day 173, selecting COMIDA2 results # 5 of 9
71 174 3 14 1.14E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
72 174 8 4 1.15E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
73 174 11 1 1.14E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
74 174 12 5 1.13E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
75 174 22 19 1.11E-03
For Julian Day 174, selecting COMIDA2 results # 5 of 9
76 175 9 36 1.43E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
77 175 10 36 1.43E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
78 175 11 35 1.14E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9

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      79      175       12       35   1.14E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
      80      175       13       34   1.14E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
      81      175       16       32   3.23E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
      82      175       17       27   3.71E-04
For Julian Day 175, selecting COMIDA2 results # 5 of 9
      83      175       20       20   1.12E-03
For Julian Day 175, selecting COMIDA2 results # 5 of 9
      84      175       24       17   1.14E-03
For Julian Day 175, selecting COMIDA2 results # 5 of 9
      85      176        2       10   1.14E-03
For Julian Day 176, selecting COMIDA2 results # 5 of 9
      86      176        4       26   2.38E-04
For Julian Day 176, selecting COMIDA2 results # 5 of 9
      87      176        7       25   1.52E-04
For Julian Day 176, selecting COMIDA2 results # 5 of 9
      88      176        9       24   1.14E-04
For Julian Day 176, selecting COMIDA2 results # 5 of 9
      89      176       22       27   3.71E-04
For Julian Day 176, selecting COMIDA2 results # 5 of 9
      90      177        2       32   3.23E-04
For Julian Day 177, selecting COMIDA2 results # 5 of 9
      91      177        5       32   3.23E-04
For Julian Day 177, selecting COMIDA2 results # 5 of 9
      92      177        8       17   1.14E-03
For Julian Day 177, selecting COMIDA2 results # 5 of 9
      93      177       18       32   3.23E-04
For Julian Day 177, selecting COMIDA2 results # 5 of 9
      94      177       21       25   1.52E-04
For Julian Day 177, selecting COMIDA2 results # 5 of 9
      95      177       24       25   1.52E-04
For Julian Day 177, selecting COMIDA2 results # 5 of 9
      96      178        3       32   3.23E-04
For Julian Day 178, selecting COMIDA2 results # 5 of 9
      97      178        6       22   1.09E-03
For Julian Day 178, selecting COMIDA2 results # 5 of 9
      98      178        7       17   1.14E-03
```

For Julian Day 178, selecting COMIDA2 results # 5 of 9
99 179 3 27 3.71E-04
For Julian Day 179, selecting COMIDA2 results # 5 of 9
100 179 16 1 1.14E-03
For Julian Day 179, selecting COMIDA2 results # 5 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
101	179	19	11	1.15E-03

For Julian Day 179, selecting COMIDA2 results # 5 of 9
102 179 22 20 1.12E-03
For Julian Day 179, selecting COMIDA2 results # 5 of 9
103 180 1 19 1.11E-03
For Julian Day 180, selecting COMIDA2 results # 5 of 9
104 180 13 4 1.15E-03
For Julian Day 180, selecting COMIDA2 results # 5 of 9
105 180 16 31 1.14E-04
For Julian Day 180, selecting COMIDA2 results # 5 of 9
106 180 17 30 1.14E-04
For Julian Day 180, selecting COMIDA2 results # 5 of 9
107 180 18 30 1.14E-04
For Julian Day 180, selecting COMIDA2 results # 5 of 9
108 180 19 29 1.14E-04
For Julian Day 180, selecting COMIDA2 results # 5 of 9
109 181 20 14 1.14E-03
For Julian Day 181, selecting COMIDA2 results # 5 of 9
110 182 3 13 1.14E-03
For Julian Day 182, selecting COMIDA2 results # 5 of 9
111 182 7 9 1.13E-03
For Julian Day 182, selecting COMIDA2 results # 5 of 9
112 182 17 5 1.13E-03
For Julian Day 182, selecting COMIDA2 results # 5 of 9
113 182 23 10 1.14E-03
For Julian Day 182, selecting COMIDA2 results # 5 of 9
114 183 3 10 1.14E-03
For Julian Day 183, selecting COMIDA2 results # 5 of 9
115 183 18 11 1.15E-03
For Julian Day 183, selecting COMIDA2 results # 5 of 9
116 185 18 9 1.13E-03

For Julian Day 185, selecting COMIDA2 results # 5 of 9
117 185 24 21 1.13E-03
For Julian Day 185, selecting COMIDA2 results # 5 of 9
118 186 4 17 1.14E-03
For Julian Day 186, selecting COMIDA2 results # 5 of 9
119 186 7 10 1.14E-03
For Julian Day 186, selecting COMIDA2 results # 5 of 9
120 186 11 5 1.13E-03
For Julian Day 186, selecting COMIDA2 results # 5 of 9
121 187 2 32 3.23E-04
For Julian Day 187, selecting COMIDA2 results # 5 of 9
122 187 4 17 1.14E-03
For Julian Day 187, selecting COMIDA2 results # 5 of 9
123 187 5 10 1.14E-03
For Julian Day 187, selecting COMIDA2 results # 5 of 9
124 188 17 4 1.15E-03
For Julian Day 188, selecting COMIDA2 results # 5 of 9
125 188 23 14 1.14E-03
For Julian Day 188, selecting COMIDA2 results # 5 of 9
126 189 14 4 1.15E-03
For Julian Day 189, selecting COMIDA2 results # 5 of 9
127 189 17 10 1.14E-03
For Julian Day 189, selecting COMIDA2 results # 5 of 9
128 189 21 14 1.14E-03
For Julian Day 189, selecting COMIDA2 results # 5 of 9
129 190 17 6 1.15E-03
For Julian Day 190, selecting COMIDA2 results # 5 of 9
130 191 2 9 1.13E-03
For Julian Day 191, selecting COMIDA2 results # 5 of 9
131 192 4 10 1.14E-03
For Julian Day 192, selecting COMIDA2 results # 6 of 9
132 192 6 9 1.13E-03
For Julian Day 192, selecting COMIDA2 results # 6 of 9
133 192 10 1 1.14E-03
For Julian Day 192, selecting COMIDA2 results # 6 of 9
134 192 15 5 1.13E-03
For Julian Day 192, selecting COMIDA2 results # 6 of 9
135 192 18 5 1.13E-03
For Julian Day 192, selecting COMIDA2 results # 6 of 9

136 193 18 26 2.38E-04
For Julian Day 193, selecting COMIDA2 results # 6 of 9
137 193 20 25 1.52E-04
For Julian Day 193, selecting COMIDA2 results # 6 of 9
138 193 21 24 1.14E-04
For Julian Day 193, selecting COMIDA2 results # 6 of 9
139 195 1 19 1.11E-03
For Julian Day 195, selecting COMIDA2 results # 6 of 9
140 195 6 13 1.14E-03
For Julian Day 195, selecting COMIDA2 results # 6 of 9
141 195 10 1 1.14E-03
For Julian Day 195, selecting COMIDA2 results # 6 of 9
142 196 1 10 1.14E-03
For Julian Day 196, selecting COMIDA2 results # 6 of 9
143 196 6 10 1.14E-03
For Julian Day 196, selecting COMIDA2 results # 6 of 9
144 196 7 36 1.43E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9
145 196 9 36 1.43E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9
146 196 10 35 1.14E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9
147 196 11 35 1.14E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9
148 196 12 34 1.14E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9
149 196 15 18 5.99E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9
150 196 18 3 8.56E-04
For Julian Day 196, selecting COMIDA2 results # 6 of 9

TRIAL DAY PERIOD BIN PRBMET
151 197 2 14 1.14E-03
For Julian Day 197, selecting COMIDA2 results # 6 of 9
152 197 7 11 1.15E-03
For Julian Day 197, selecting COMIDA2 results # 6 of 9
153 197 15 5 1.13E-03
For Julian Day 197, selecting COMIDA2 results # 6 of 9

154 197 17 11 1.15E-03
For Julian Day 197, selecting COMIDA2 results # 6 of 9
155 198 6 14 1.14E-03
For Julian Day 198, selecting COMIDA2 results # 6 of 9
156 198 13 14 1.14E-03
For Julian Day 198, selecting COMIDA2 results # 6 of 9
157 199 7 9 1.13E-03
For Julian Day 199, selecting COMIDA2 results # 6 of 9
158 199 14 36 1.43E-04
For Julian Day 199, selecting COMIDA2 results # 6 of 9
159 199 15 36 1.43E-04
For Julian Day 199, selecting COMIDA2 results # 6 of 9
160 199 16 36 1.43E-04
For Julian Day 199, selecting COMIDA2 results # 6 of 9
161 199 17 35 1.14E-04
For Julian Day 199, selecting COMIDA2 results # 6 of 9
162 199 18 34 1.14E-04
For Julian Day 199, selecting COMIDA2 results # 6 of 9
163 199 24 20 1.12E-03
For Julian Day 199, selecting COMIDA2 results # 6 of 9
164 200 15 4 1.15E-03
For Julian Day 200, selecting COMIDA2 results # 6 of 9
165 201 8 4 1.15E-03
For Julian Day 201, selecting COMIDA2 results # 6 of 9
166 201 24 10 1.14E-03
For Julian Day 201, selecting COMIDA2 results # 6 of 9
167 202 2 9 1.13E-03
For Julian Day 202, selecting COMIDA2 results # 6 of 9
168 202 8 3 8.56E-04
For Julian Day 202, selecting COMIDA2 results # 6 of 9
169 202 18 10 1.14E-03
For Julian Day 202, selecting COMIDA2 results # 6 of 9
170 202 21 14 1.14E-03
For Julian Day 202, selecting COMIDA2 results # 6 of 9
171 203 11 5 1.13E-03
For Julian Day 203, selecting COMIDA2 results # 6 of 9
172 203 17 26 2.38E-04
For Julian Day 203, selecting COMIDA2 results # 6 of 9
173 203 19 22 1.09E-03

For Julian Day 203, selecting COMIDA2 results # 6 of 9
174 203 20 18 5.99E-04
For Julian Day 203, selecting COMIDA2 results # 6 of 9
175 204 4 10 1.14E-03
For Julian Day 204, selecting COMIDA2 results # 6 of 9
176 204 14 1 1.14E-03
For Julian Day 204, selecting COMIDA2 results # 6 of 9
177 204 17 4 1.15E-03
For Julian Day 204, selecting COMIDA2 results # 6 of 9
178 205 15 4 1.15E-03
For Julian Day 205, selecting COMIDA2 results # 6 of 9
179 206 5 10 1.14E-03
For Julian Day 206, selecting COMIDA2 results # 6 of 9
180 206 15 2 1.14E-03
For Julian Day 206, selecting COMIDA2 results # 6 of 9
181 206 20 11 1.15E-03
For Julian Day 206, selecting COMIDA2 results # 6 of 9
182 207 6 9 1.13E-03
For Julian Day 207, selecting COMIDA2 results # 6 of 9
183 207 12 1 1.14E-03
For Julian Day 207, selecting COMIDA2 results # 6 of 9
184 207 17 5 1.13E-03
For Julian Day 207, selecting COMIDA2 results # 6 of 9
185 208 15 6 1.15E-03
For Julian Day 208, selecting COMIDA2 results # 6 of 9
186 209 2 9 1.13E-03
For Julian Day 209, selecting COMIDA2 results # 6 of 9
187 209 11 26 2.38E-04
For Julian Day 209, selecting COMIDA2 results # 6 of 9
188 209 12 25 1.52E-04
For Julian Day 209, selecting COMIDA2 results # 6 of 9
189 209 23 14 1.14E-03
For Julian Day 209, selecting COMIDA2 results # 6 of 9
190 209 24 15 1.12E-03
For Julian Day 209, selecting COMIDA2 results # 6 of 9
191 210 4 14 1.14E-03
For Julian Day 210, selecting COMIDA2 results # 6 of 9
192 210 16 4 1.15E-03
For Julian Day 210, selecting COMIDA2 results # 6 of 9

193 211 6 10 1.14E-03
For Julian Day 211, selecting COMIDA2 results # 6 of 9
194 211 21 13 1.14E-03
For Julian Day 211, selecting COMIDA2 results # 6 of 9
195 211 22 14 1.14E-03
For Julian Day 211, selecting COMIDA2 results # 6 of 9
196 212 11 26 2.38E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
197 212 12 25 1.52E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
198 212 13 24 1.14E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
199 212 14 23 1.14E-04
For Julian Day 212, selecting COMIDA2 results # 6 of 9
200 212 19 10 1.14E-03
For Julian Day 212, selecting COMIDA2 results # 6 of 9

TRIAL DAY PERIOD BIN PRBMET
201 212 20 9 1.13E-03
For Julian Day 212, selecting COMIDA2 results # 6 of 9
202 213 9 3 8.56E-04
For Julian Day 213, selecting COMIDA2 results # 6 of 9
203 213 13 5 1.13E-03
For Julian Day 213, selecting COMIDA2 results # 6 of 9
204 214 2 14 1.14E-03
For Julian Day 214, selecting COMIDA2 results # 6 of 9
205 214 3 14 1.14E-03
For Julian Day 214, selecting COMIDA2 results # 6 of 9
206 214 14 5 1.13E-03
For Julian Day 214, selecting COMIDA2 results # 6 of 9
207 215 18 11 1.15E-03
For Julian Day 215, selecting COMIDA2 results # 6 of 9
208 215 20 14 1.14E-03
For Julian Day 215, selecting COMIDA2 results # 6 of 9
209 215 21 13 1.14E-03
For Julian Day 215, selecting COMIDA2 results # 6 of 9
210 216 12 6 1.15E-03
For Julian Day 216, selecting COMIDA2 results # 6 of 9

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      211       217         2        14   1.14E-03
For Julian Day 217, selecting COMIDA2 results # 6 of 9
      212       217         8         4   1.15E-03
For Julian Day 217, selecting COMIDA2 results # 6 of 9
      213       217        11         1   1.14E-03
For Julian Day 217, selecting COMIDA2 results # 6 of 9
      214       218         2        14   1.14E-03
For Julian Day 218, selecting COMIDA2 results # 6 of 9
      215       218         6        10   1.14E-03
For Julian Day 218, selecting COMIDA2 results # 6 of 9
      216       218        10         1   1.14E-03
For Julian Day 218, selecting COMIDA2 results # 6 of 9
      217       218        23        31   1.14E-04
For Julian Day 218, selecting COMIDA2 results # 6 of 9
      218       218        24        30   1.14E-04
For Julian Day 218, selecting COMIDA2 results # 6 of 9
      219       219         1        29   1.14E-04
For Julian Day 219, selecting COMIDA2 results # 6 of 9
      220       219         2        28   1.14E-04
For Julian Day 219, selecting COMIDA2 results # 6 of 9
      221       219         4        17   1.14E-03
For Julian Day 219, selecting COMIDA2 results # 6 of 9
      222       219        14         1   1.14E-03
For Julian Day 219, selecting COMIDA2 results # 6 of 9
      223       220         1        10   1.14E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
      224       220         5        12   1.15E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
      225       220        14         5   1.13E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
      226       220        22        11   1.15E-03
For Julian Day 220, selecting COMIDA2 results # 6 of 9
      227       221        18         4   1.15E-03
For Julian Day 221, selecting COMIDA2 results # 6 of 9
      228       221        21        14   1.14E-03
For Julian Day 221, selecting COMIDA2 results # 6 of 9
      229       222        20        10   1.14E-03
For Julian Day 222, selecting COMIDA2 results # 7 of 9
      230       222        23         9   1.13E-03
```

For Julian Day 222, selecting COMIDA2 results # 7 of 9
231 222 24 14 1.14E-03
For Julian Day 222, selecting COMIDA2 results # 7 of 9
232 223 5 12 1.15E-03
For Julian Day 223, selecting COMIDA2 results # 7 of 9
233 223 12 1 1.14E-03
For Julian Day 223, selecting COMIDA2 results # 7 of 9
234 224 24 14 1.14E-03
For Julian Day 224, selecting COMIDA2 results # 7 of 9
235 225 15 1 1.14E-03
For Julian Day 225, selecting COMIDA2 results # 7 of 9
236 225 19 10 1.14E-03
For Julian Day 225, selecting COMIDA2 results # 7 of 9
237 226 23 11 1.15E-03
For Julian Day 226, selecting COMIDA2 results # 7 of 9
238 227 8 10 1.14E-03
For Julian Day 227, selecting COMIDA2 results # 7 of 9
239 227 11 1 1.14E-03
For Julian Day 227, selecting COMIDA2 results # 7 of 9
240 228 1 14 1.14E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
241 228 3 15 1.12E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
242 228 9 4 1.15E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
243 228 15 1 1.14E-03
For Julian Day 228, selecting COMIDA2 results # 7 of 9
244 229 6 10 1.14E-03
For Julian Day 229, selecting COMIDA2 results # 7 of 9
245 229 15 1 1.14E-03
For Julian Day 229, selecting COMIDA2 results # 7 of 9
246 229 20 14 1.14E-03
For Julian Day 229, selecting COMIDA2 results # 7 of 9
247 230 7 9 1.13E-03
For Julian Day 230, selecting COMIDA2 results # 7 of 9
248 230 17 4 1.15E-03
For Julian Day 230, selecting COMIDA2 results # 7 of 9
249 231 8 4 1.15E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9

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      250       231        10         1   1.14E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9


    TRIAL       DAY    PERIOD       BIN    PRBMET
      251       231        15         6   1.15E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
      252       231        18         5   1.13E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
      253       231        21        11   1.15E-03
For Julian Day 231, selecting COMIDA2 results # 7 of 9
      254       233         4        11   1.15E-03
For Julian Day 233, selecting COMIDA2 results # 7 of 9
      255       233        18        10   1.14E-03
For Julian Day 233, selecting COMIDA2 results # 7 of 9
      256       233        24        14   1.14E-03
For Julian Day 233, selecting COMIDA2 results # 7 of 9
      257       234         6        14   1.14E-03
For Julian Day 234, selecting COMIDA2 results # 7 of 9
      258       234        11         1   1.14E-03
For Julian Day 234, selecting COMIDA2 results # 7 of 9
      259       234        14         1   1.14E-03
For Julian Day 234, selecting COMIDA2 results # 7 of 9
      260       235        16         5   1.13E-03
For Julian Day 235, selecting COMIDA2 results # 7 of 9
      261       236         2         9   1.13E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
      262       236         3        13   1.14E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
      263       236        11         1   1.14E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
      264       236        17        10   1.14E-03
For Julian Day 236, selecting COMIDA2 results # 7 of 9
      265       237        15         1   1.14E-03
For Julian Day 237, selecting COMIDA2 results # 7 of 9
      266       238         8         4   1.15E-03
For Julian Day 238, selecting COMIDA2 results # 7 of 9
      267       239         4        32   3.23E-04
For Julian Day 239, selecting COMIDA2 results # 7 of 9
```

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      268       239         7        21   1.13E-03
For Julian Day 239, selecting COMIDA2 results # 7 of 9
      269       239        10        17   1.14E-03
For Julian Day 239, selecting COMIDA2 results # 7 of 9
      270       239        18        11   1.15E-03
For Julian Day 239, selecting COMIDA2 results # 7 of 9
      271       240         6         9   1.13E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
      272       240         9         4   1.15E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
      273       240        15         5   1.13E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
      274       240        18        10   1.14E-03
For Julian Day 240, selecting COMIDA2 results # 7 of 9
      275       241        15        31   1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      276       241        16        31   1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      277       241        17        30   1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      278       241        18        29   1.14E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      279       241        19        27   3.71E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      280       241        20        27   3.71E-04
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      281       241        22        20   1.12E-03
For Julian Day 241, selecting COMIDA2 results # 7 of 9
      282       242        16        10   1.14E-03
For Julian Day 242, selecting COMIDA2 results # 7 of 9
      283       242        19         9   1.13E-03
For Julian Day 242, selecting COMIDA2 results # 7 of 9
      284       243         5        10   1.14E-03
For Julian Day 243, selecting COMIDA2 results # 7 of 9
      285       243        24         9   1.13E-03
For Julian Day 243, selecting COMIDA2 results # 7 of 9
      286       244         4        21   1.13E-03
For Julian Day 244, selecting COMIDA2 results # 7 of 9
      287       244        20        22   1.09E-03
```

For Julian Day 244, selecting COMIDA2 results # 7 of 9
288 245 3 17 1.14E-03
For Julian Day 245, selecting COMIDA2 results # 7 of 9
289 245 11 17 1.14E-03
For Julian Day 245, selecting COMIDA2 results # 7 of 9
290 245 20 19 1.11E-03
For Julian Day 245, selecting COMIDA2 results # 7 of 9
291 246 2 14 1.14E-03
For Julian Day 246, selecting COMIDA2 results # 7 of 9
292 246 8 3 8.56E-04
For Julian Day 246, selecting COMIDA2 results # 7 of 9
293 246 18 10 1.14E-03
For Julian Day 246, selecting COMIDA2 results # 7 of 9
294 246 23 13 1.14E-03
For Julian Day 246, selecting COMIDA2 results # 7 of 9
295 247 10 1 1.14E-03
For Julian Day 247, selecting COMIDA2 results # 7 of 9
296 247 23 20 1.12E-03
For Julian Day 247, selecting COMIDA2 results # 7 of 9
297 248 7 17 1.14E-03
For Julian Day 248, selecting COMIDA2 results # 7 of 9
298 248 8 27 3.71E-04
For Julian Day 248, selecting COMIDA2 results # 7 of 9
299 248 9 32 3.23E-04
For Julian Day 248, selecting COMIDA2 results # 7 of 9
300 249 2 10 1.14E-03
For Julian Day 249, selecting COMIDA2 results # 7 of 9

TRIAL DAY PERIOD BIN PRBMET
301 249 15 4 1.15E-03
For Julian Day 249, selecting COMIDA2 results # 7 of 9
302 249 16 4 1.15E-03
For Julian Day 249, selecting COMIDA2 results # 7 of 9
303 250 9 3 8.56E-04
For Julian Day 250, selecting COMIDA2 results # 7 of 9
304 250 18 9 1.13E-03
For Julian Day 250, selecting COMIDA2 results # 7 of 9
305 250 19 13 1.14E-03

For Julian Day 250, selecting COMIDA2 results # 7 of 9
306 251 14 26 2.38E-04
For Julian Day 251, selecting COMIDA2 results # 7 of 9
307 251 16 24 1.14E-04
For Julian Day 251, selecting COMIDA2 results # 7 of 9
308 251 20 14 1.14E-03
For Julian Day 251, selecting COMIDA2 results # 7 of 9
309 252 2 13 1.14E-03
For Julian Day 252, selecting COMIDA2 results # 7 of 9
310 252 22 13 1.14E-03
For Julian Day 252, selecting COMIDA2 results # 7 of 9
311 253 9 4 1.15E-03
For Julian Day 253, selecting COMIDA2 results # 7 of 9
312 253 21 19 1.11E-03
For Julian Day 253, selecting COMIDA2 results # 7 of 9
313 253 22 18 5.99E-04
For Julian Day 253, selecting COMIDA2 results # 7 of 9
314 254 7 9 1.13E-03
For Julian Day 254, selecting COMIDA2 results # 7 of 9
315 254 12 1 1.14E-03
For Julian Day 254, selecting COMIDA2 results # 7 of 9
316 254 24 13 1.14E-03
For Julian Day 254, selecting COMIDA2 results # 7 of 9
317 255 4 9 1.13E-03
For Julian Day 255, selecting COMIDA2 results # 7 of 9
318 255 7 10 1.14E-03
For Julian Day 255, selecting COMIDA2 results # 7 of 9
319 255 18 10 1.14E-03
For Julian Day 255, selecting COMIDA2 results # 7 of 9
320 256 10 21 1.13E-03
For Julian Day 256, selecting COMIDA2 results # 7 of 9
321 256 11 20 1.12E-03
For Julian Day 256, selecting COMIDA2 results # 7 of 9
322 256 12 19 1.11E-03
For Julian Day 256, selecting COMIDA2 results # 7 of 9
323 256 14 17 1.14E-03
For Julian Day 256, selecting COMIDA2 results # 7 of 9
324 256 22 11 1.15E-03
For Julian Day 256, selecting COMIDA2 results # 7 of 9

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      325       256        24        26   2.38E-04
For Julian Day 256, selecting COMIDA2 results # 7 of 9
      326       257         1        25   1.52E-04
For Julian Day 257, selecting COMIDA2 results # 8 of 9
      327       257         2        23   1.14E-04
For Julian Day 257, selecting COMIDA2 results # 8 of 9
      328       258         2        10   1.14E-03
For Julian Day 258, selecting COMIDA2 results # 8 of 9
      329       258        15        17   1.14E-03
For Julian Day 258, selecting COMIDA2 results # 8 of 9
      330       258        21        11   1.15E-03
For Julian Day 258, selecting COMIDA2 results # 8 of 9
      331       259        19        10   1.14E-03
For Julian Day 259, selecting COMIDA2 results # 8 of 9
      332       259        23        14   1.14E-03
For Julian Day 259, selecting COMIDA2 results # 8 of 9
      333       260         3        14   1.14E-03
For Julian Day 260, selecting COMIDA2 results # 8 of 9
      334       260        11         5   1.13E-03
For Julian Day 260, selecting COMIDA2 results # 8 of 9
      335       261        19        15   1.12E-03
For Julian Day 261, selecting COMIDA2 results # 8 of 9
      336       261        21        14   1.14E-03
For Julian Day 261, selecting COMIDA2 results # 8 of 9
      337       262        13         5   1.13E-03
For Julian Day 262, selecting COMIDA2 results # 8 of 9
      338       262        15         4   1.15E-03
For Julian Day 262, selecting COMIDA2 results # 8 of 9
      339       263        23        11   1.15E-03
For Julian Day 263, selecting COMIDA2 results # 8 of 9
      340       264         1        11   1.15E-03
For Julian Day 264, selecting COMIDA2 results # 8 of 9
      341       264         6        15   1.12E-03
For Julian Day 264, selecting COMIDA2 results # 8 of 9
      342       264        12         1   1.14E-03
For Julian Day 264, selecting COMIDA2 results # 8 of 9
      343       264        16        10   1.14E-03
For Julian Day 264, selecting COMIDA2 results # 8 of 9
      344       265        14         2   1.14E-03
```

For Julian Day 265, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
345	266	12	2	1.14E-03

For Julian Day 266, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
346	266	17	4	1.15E-03

For Julian Day 266, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
347	266	21	10	1.14E-03

For Julian Day 266, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
348	267	13	21	1.13E-03

For Julian Day 267, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
349	267	14	20	1.12E-03

For Julian Day 267, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
350	267	18	11	1.15E-03

For Julian Day 267, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
351	268	22	14	1.14E-03

For Julian Day 268, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
352	269	5	14	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
353	269	6	13	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
354	269	13	5	1.13E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
355	269	15	10	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
356	269	18	9	1.13E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
357	269	22	13	1.14E-03

For Julian Day 269, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
358	271	5	9	1.13E-03

For Julian Day 271, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
359	271	16	7	1.13E-03

For Julian Day 271, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
360	271	17	30	1.14E-04

For Julian Day 271, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
361	271	18	27	3.71E-04

For Julian Day 271, selecting COMIDA2 results # 8 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
362	271	21	22	1.09E-03

For Julian Day 271, selecting COMIDA2 results # 8 of 9
363 272 9 6 1.15E-03
For Julian Day 272, selecting COMIDA2 results # 8 of 9
364 272 22 14 1.14E-03
For Julian Day 272, selecting COMIDA2 results # 8 of 9
365 273 9 3 8.56E-04
For Julian Day 273, selecting COMIDA2 results # 8 of 9
366 273 16 4 1.15E-03
For Julian Day 273, selecting COMIDA2 results # 8 of 9
367 273 19 11 1.15E-03
For Julian Day 273, selecting COMIDA2 results # 8 of 9
368 273 24 17 1.14E-03
For Julian Day 273, selecting COMIDA2 results # 8 of 9
369 274 10 1 1.14E-03
For Julian Day 274, selecting COMIDA2 results # 8 of 9
370 274 14 5 1.13E-03
For Julian Day 274, selecting COMIDA2 results # 8 of 9
371 274 15 10 1.14E-03
For Julian Day 274, selecting COMIDA2 results # 8 of 9
372 274 22 15 1.12E-03
For Julian Day 274, selecting COMIDA2 results # 8 of 9
373 275 3 14 1.14E-03
For Julian Day 275, selecting COMIDA2 results # 8 of 9
374 276 4 9 1.13E-03
For Julian Day 276, selecting COMIDA2 results # 8 of 9
375 276 12 10 1.14E-03
For Julian Day 276, selecting COMIDA2 results # 8 of 9
376 276 14 1 1.14E-03
For Julian Day 276, selecting COMIDA2 results # 8 of 9
377 276 24 13 1.14E-03
For Julian Day 276, selecting COMIDA2 results # 8 of 9
378 277 5 14 1.14E-03
For Julian Day 277, selecting COMIDA2 results # 8 of 9
379 278 2 5 1.13E-03
For Julian Day 278, selecting COMIDA2 results # 8 of 9
380 278 4 6 1.15E-03
For Julian Day 278, selecting COMIDA2 results # 8 of 9
381 278 8 2 1.14E-03
For Julian Day 278, selecting COMIDA2 results # 8 of 9

382 278 24 18 5.99E-04
For Julian Day 278, selecting COMIDA2 results # 8 of 9
383 279 7 17 1.14E-03
For Julian Day 279, selecting COMIDA2 results # 8 of 9
384 279 11 17 1.14E-03
For Julian Day 279, selecting COMIDA2 results # 8 of 9
385 280 5 2 1.14E-03
For Julian Day 280, selecting COMIDA2 results # 8 of 9
386 280 11 1 1.14E-03
For Julian Day 280, selecting COMIDA2 results # 8 of 9
387 281 1 1 1.14E-03
For Julian Day 281, selecting COMIDA2 results # 8 of 9
388 281 19 1 1.14E-03
For Julian Day 281, selecting COMIDA2 results # 8 of 9
389 282 2 1 1.14E-03
For Julian Day 282, selecting COMIDA2 results # 8 of 9
390 282 8 1 1.14E-03
For Julian Day 282, selecting COMIDA2 results # 8 of 9
391 282 22 20 1.12E-03
For Julian Day 282, selecting COMIDA2 results # 8 of 9
392 282 24 19 1.11E-03
For Julian Day 282, selecting COMIDA2 results # 8 of 9
393 283 8 1 1.14E-03
For Julian Day 283, selecting COMIDA2 results # 8 of 9
394 283 17 9 1.13E-03
For Julian Day 283, selecting COMIDA2 results # 8 of 9
395 283 18 13 1.14E-03
For Julian Day 283, selecting COMIDA2 results # 8 of 9
396 284 6 9 1.13E-03
For Julian Day 284, selecting COMIDA2 results # 8 of 9
397 284 19 18 5.99E-04
For Julian Day 284, selecting COMIDA2 results # 8 of 9
398 284 21 17 1.14E-03
For Julian Day 284, selecting COMIDA2 results # 8 of 9
399 287 5 14 1.14E-03
For Julian Day 287, selecting COMIDA2 results # 9 of 9
400 287 10 2 1.14E-03
For Julian Day 287, selecting COMIDA2 results # 9 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
401	288	6	14	1.14E-03
For Julian Day 288, selecting COMIDA2 results # 9 of 9				
402	288	10	1	1.14E-03
For Julian Day 288, selecting COMIDA2 results # 9 of 9				
403	289	2	14	1.14E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9				
404	289	5	14	1.14E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9				
405	289	11	4	1.15E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9				
406	289	18	10	1.14E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9				
407	289	24	11	1.15E-03
For Julian Day 289, selecting COMIDA2 results # 9 of 9				
408	290	1	11	1.15E-03
For Julian Day 290, selecting COMIDA2 results # 9 of 9				
409	290	13	27	3.71E-04
For Julian Day 290, selecting COMIDA2 results # 9 of 9				
410	290	20	12	1.15E-03
For Julian Day 290, selecting COMIDA2 results # 9 of 9				
411	291	2	10	1.14E-03
For Julian Day 291, selecting COMIDA2 results # 9 of 9				
412	291	12	1	1.14E-03
For Julian Day 291, selecting COMIDA2 results # 9 of 9				
413	292	6	26	2.38E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9				
414	292	7	26	2.38E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9				
415	292	11	25	1.52E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9				
416	292	12	25	1.52E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9				
417	292	13	24	1.14E-04
For Julian Day 292, selecting COMIDA2 results # 9 of 9				
418	292	15	6	1.15E-03
For Julian Day 292, selecting COMIDA2 results # 9 of 9				
419	292	23	22	1.09E-03

For Julian Day 292, selecting COMIDA2 results # 9 of 9
420 293 3 17 1.14E-03
For Julian Day 293, selecting COMIDA2 results # 9 of 9
421 293 6 17 1.14E-03
For Julian Day 293, selecting COMIDA2 results # 9 of 9
422 294 5 14 1.14E-03
For Julian Day 294, selecting COMIDA2 results # 9 of 9
423 294 11 2 1.14E-03
For Julian Day 294, selecting COMIDA2 results # 9 of 9
424 295 3 13 1.14E-03
For Julian Day 295, selecting COMIDA2 results # 9 of 9
425 295 10 10 1.14E-03
For Julian Day 295, selecting COMIDA2 results # 9 of 9
426 295 11 5 1.13E-03
For Julian Day 295, selecting COMIDA2 results # 9 of 9
427 296 11 6 1.15E-03
For Julian Day 296, selecting COMIDA2 results # 9 of 9
428 296 16 6 1.15E-03
For Julian Day 296, selecting COMIDA2 results # 9 of 9
429 297 2 11 1.15E-03
For Julian Day 297, selecting COMIDA2 results # 9 of 9
430 297 18 6 1.15E-03
For Julian Day 297, selecting COMIDA2 results # 9 of 9
431 298 7 11 1.15E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
432 298 8 5 1.13E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
433 298 15 6 1.15E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
434 298 21 11 1.15E-03
For Julian Day 298, selecting COMIDA2 results # 9 of 9
435 299 5 10 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
436 299 13 2 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
437 299 23 14 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9
438 299 24 13 1.14E-03
For Julian Day 299, selecting COMIDA2 results # 9 of 9

439 300 1 9 1.13E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
440 300 7 21 1.13E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
441 300 8 21 1.13E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
442 300 20 22 1.09E-03
For Julian Day 300, selecting COMIDA2 results # 9 of 9
443 301 21 12 1.15E-03
For Julian Day 301, selecting COMIDA2 results # 9 of 9
444 302 17 12 1.15E-03
For Julian Day 302, selecting COMIDA2 results # 9 of 9
445 304 23 20 1.12E-03
For Julian Day 304, selecting COMIDA2 results # 9 of 9
446 305 1 19 1.11E-03
For Julian Day 305, selecting COMIDA2 results # 9 of 9
447 305 7 13 1.14E-03
For Julian Day 305, selecting COMIDA2 results # 9 of 9
448 306 9 6 1.15E-03
For Julian Day 306, selecting COMIDA2 results # 9 of 9
449 306 16 11 1.15E-03
For Julian Day 306, selecting COMIDA2 results # 9 of 9
450 306 20 11 1.15E-03
For Julian Day 306, selecting COMIDA2 results # 9 of 9

TRIAL DAY PERIOD BIN PRBMET
451 307 18 11 1.15E-03
For Julian Day 307, selecting COMIDA2 results # 9 of 9
452 307 24 10 1.14E-03
For Julian Day 307, selecting COMIDA2 results # 9 of 9
453 308 4 15 1.12E-03
For Julian Day 308, selecting COMIDA2 results # 9 of 9
454 308 10 2 1.14E-03
For Julian Day 308, selecting COMIDA2 results # 9 of 9
455 308 24 14 1.14E-03
For Julian Day 308, selecting COMIDA2 results # 9 of 9
456 309 9 3 8.56E-04
For Julian Day 309, selecting COMIDA2 results # 9 of 9

457 309 10 4 1.15E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
458 309 13 1 1.14E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
459 309 18 14 1.14E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
460 309 19 9 1.13E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
461 309 24 13 1.14E-03
For Julian Day 309, selecting COMIDA2 results # 9 of 9
462 310 15 4 1.15E-03
For Julian Day 310, selecting COMIDA2 results # 9 of 9
463 311 1 13 1.14E-03
For Julian Day 311, selecting COMIDA2 results # 9 of 9
464 311 16 20 1.12E-03
For Julian Day 311, selecting COMIDA2 results # 9 of 9
465 311 21 17 1.14E-03
For Julian Day 311, selecting COMIDA2 results # 9 of 9
466 312 9 22 1.09E-03
For Julian Day 312, selecting COMIDA2 results # 9 of 9
467 313 3 12 1.15E-03
For Julian Day 313, selecting COMIDA2 results # 9 of 9
468 313 8 5 1.13E-03
For Julian Day 313, selecting COMIDA2 results # 9 of 9
469 314 4 14 1.14E-03
For Julian Day 314, selecting COMIDA2 results # 9 of 9
470 314 15 3 8.56E-04
For Julian Day 314, selecting COMIDA2 results # 9 of 9
471 314 21 13 1.14E-03
For Julian Day 314, selecting COMIDA2 results # 9 of 9
472 315 19 10 1.14E-03
For Julian Day 315, selecting COMIDA2 results # 9 of 9
473 315 23 10 1.14E-03
For Julian Day 315, selecting COMIDA2 results # 9 of 9
474 316 8 17 1.14E-03
For Julian Day 316, selecting COMIDA2 results # 9 of 9
475 316 12 7 1.13E-03
For Julian Day 316, selecting COMIDA2 results # 9 of 9
476 316 16 6 1.15E-03

For Julian Day 316, selecting COMIDA2 results # 9 of 9
477 316 17 7 1.13E-03
For Julian Day 316, selecting COMIDA2 results # 9 of 9
478 317 15 12 1.15E-03
For Julian Day 317, selecting COMIDA2 results # 9 of 9
479 318 4 5 1.13E-03
For Julian Day 318, selecting COMIDA2 results # 9 of 9
480 318 18 9 1.13E-03
For Julian Day 318, selecting COMIDA2 results # 9 of 9
481 319 6 9 1.13E-03
For Julian Day 319, selecting COMIDA2 results # 9 of 9
482 319 12 1 1.14E-03
For Julian Day 319, selecting COMIDA2 results # 9 of 9
483 319 21 10 1.14E-03
For Julian Day 319, selecting COMIDA2 results # 9 of 9
484 320 1 21 1.13E-03
For Julian Day 320, selecting COMIDA2 results # 9 of 9
485 320 4 19 1.11E-03
For Julian Day 320, selecting COMIDA2 results # 9 of 9
486 320 5 17 1.14E-03
For Julian Day 320, selecting COMIDA2 results # 9 of 9
487 320 12 27 3.71E-04
For Julian Day 320, selecting COMIDA2 results # 9 of 9
488 320 13 32 3.23E-04
For Julian Day 320, selecting COMIDA2 results # 9 of 9
489 320 16 32 3.23E-04
For Julian Day 320, selecting COMIDA2 results # 9 of 9
490 320 24 11 1.15E-03
For Julian Day 320, selecting COMIDA2 results # 9 of 9
491 321 7 11 1.15E-03
For Julian Day 321, selecting COMIDA2 results # 9 of 9
492 321 9 6 1.15E-03
For Julian Day 321, selecting COMIDA2 results # 9 of 9
493 321 20 6 1.15E-03
For Julian Day 321, selecting COMIDA2 results # 9 of 9
494 321 23 12 1.15E-03
For Julian Day 321, selecting COMIDA2 results # 9 of 9
495 322 24 11 1.15E-03
For Julian Day 322, selecting COMIDA2 results # 9 of 9

496 323 14 6 1.15E-03
For Julian Day 323, selecting COMIDA2 results # 9 of 9
497 323 15 5 1.13E-03
For Julian Day 323, selecting COMIDA2 results # 9 of 9
498 323 18 4 1.15E-03
For Julian Day 323, selecting COMIDA2 results # 9 of 9
499 324 6 5 1.13E-03
For Julian Day 324, selecting COMIDA2 results # 9 of 9
500 324 24 6 1.15E-03
For Julian Day 324, selecting COMIDA2 results # 9 of 9

TRIAL DAY PERIOD BIN PRBMET
501 325 10 2 1.14E-03
For Julian Day 325, selecting COMIDA2 results # 9 of 9
502 325 22 11 1.15E-03
For Julian Day 325, selecting COMIDA2 results # 9 of 9
503 325 23 11 1.15E-03
For Julian Day 325, selecting COMIDA2 results # 9 of 9
504 326 7 6 1.15E-03
For Julian Day 326, selecting COMIDA2 results # 9 of 9
505 326 20 17 1.14E-03
For Julian Day 326, selecting COMIDA2 results # 9 of 9
506 327 1 26 2.38E-04
For Julian Day 327, selecting COMIDA2 results # 9 of 9
507 327 2 25 1.52E-04
For Julian Day 327, selecting COMIDA2 results # 9 of 9
508 327 7 6 1.15E-03
For Julian Day 327, selecting COMIDA2 results # 9 of 9
509 327 11 20 1.12E-03
For Julian Day 327, selecting COMIDA2 results # 9 of 9
510 327 24 12 1.15E-03
For Julian Day 327, selecting COMIDA2 results # 9 of 9
511 328 11 6 1.15E-03
For Julian Day 328, selecting COMIDA2 results # 9 of 9
512 329 2 14 1.14E-03
For Julian Day 329, selecting COMIDA2 results # 9 of 9
513 329 19 13 1.14E-03
For Julian Day 329, selecting COMIDA2 results # 9 of 9

514 329 20 14 1.14E-03
For Julian Day 329, selecting COMIDA2 results # 9 of 9
515 330 12 10 1.14E-03
For Julian Day 330, selecting COMIDA2 results # 9 of 9
516 330 19 21 1.13E-03
For Julian Day 330, selecting COMIDA2 results # 9 of 9
517 331 9 9 1.13E-03
For Julian Day 331, selecting COMIDA2 results # 9 of 9
518 331 11 13 1.14E-03
For Julian Day 331, selecting COMIDA2 results # 9 of 9
519 332 2 13 1.14E-03
For Julian Day 332, selecting COMIDA2 results # 9 of 9
520 332 6 13 1.14E-03
For Julian Day 332, selecting COMIDA2 results # 9 of 9
521 332 16 11 1.15E-03
For Julian Day 332, selecting COMIDA2 results # 9 of 9
522 333 8 10 1.14E-03
For Julian Day 333, selecting COMIDA2 results # 9 of 9
523 333 19 9 1.13E-03
For Julian Day 333, selecting COMIDA2 results # 9 of 9
524 334 1 9 1.13E-03
For Julian Day 334, selecting COMIDA2 results # 1 of 9
525 334 6 10 1.14E-03
For Julian Day 334, selecting COMIDA2 results # 1 of 9
526 334 18 12 1.15E-03
For Julian Day 334, selecting COMIDA2 results # 1 of 9
527 335 8 20 1.12E-03
For Julian Day 335, selecting COMIDA2 results # 1 of 9
528 335 16 17 1.14E-03
For Julian Day 335, selecting COMIDA2 results # 1 of 9
529 335 22 6 1.15E-03
For Julian Day 335, selecting COMIDA2 results # 1 of 9
530 336 6 12 1.15E-03
For Julian Day 336, selecting COMIDA2 results # 1 of 9
531 337 10 1 1.14E-03
For Julian Day 337, selecting COMIDA2 results # 1 of 9
532 337 16 5 1.13E-03
For Julian Day 337, selecting COMIDA2 results # 1 of 9
533 338 12 7 1.13E-03

For Julian Day 338, selecting COMIDA2 results # 1 of 9
534 338 14 6 1.15E-03
For Julian Day 338, selecting COMIDA2 results # 1 of 9
535 338 19 10 1.14E-03
For Julian Day 338, selecting COMIDA2 results # 1 of 9
536 338 24 11 1.15E-03
For Julian Day 338, selecting COMIDA2 results # 1 of 9
537 339 9 6 1.15E-03
For Julian Day 339, selecting COMIDA2 results # 1 of 9
538 340 6 10 1.14E-03
For Julian Day 340, selecting COMIDA2 results # 1 of 9
539 340 7 11 1.15E-03
For Julian Day 340, selecting COMIDA2 results # 1 of 9
540 341 1 10 1.14E-03
For Julian Day 341, selecting COMIDA2 results # 1 of 9
541 341 24 6 1.15E-03
For Julian Day 341, selecting COMIDA2 results # 1 of 9
542 342 11 7 1.13E-03
For Julian Day 342, selecting COMIDA2 results # 1 of 9
543 342 19 6 1.15E-03
For Julian Day 342, selecting COMIDA2 results # 1 of 9
544 343 5 11 1.15E-03
For Julian Day 343, selecting COMIDA2 results # 1 of 9
545 343 22 15 1.12E-03
For Julian Day 343, selecting COMIDA2 results # 1 of 9
546 343 23 14 1.14E-03
For Julian Day 343, selecting COMIDA2 results # 1 of 9
547 344 6 13 1.14E-03
For Julian Day 344, selecting COMIDA2 results # 1 of 9
548 344 14 2 1.14E-03
For Julian Day 344, selecting COMIDA2 results # 1 of 9
549 344 18 15 1.12E-03
For Julian Day 344, selecting COMIDA2 results # 1 of 9
550 345 9 13 1.14E-03
For Julian Day 345, selecting COMIDA2 results # 1 of 9

TRIAL DAY PERIOD BIN PRBMET
551 346 7 13 1.14E-03

For Julian Day 346, selecting COMIDA2 results # 1 of 9
552 346 9 4 1.15E-03
For Julian Day 346, selecting COMIDA2 results # 1 of 9
553 346 10 1 1.14E-03
For Julian Day 346, selecting COMIDA2 results # 1 of 9
554 346 24 10 1.14E-03
For Julian Day 346, selecting COMIDA2 results # 1 of 9
555 347 10 17 1.14E-03
For Julian Day 347, selecting COMIDA2 results # 1 of 9
556 347 13 5 1.13E-03
For Julian Day 347, selecting COMIDA2 results # 1 of 9
557 347 24 21 1.13E-03
For Julian Day 347, selecting COMIDA2 results # 1 of 9
558 348 11 4 1.15E-03
For Julian Day 348, selecting COMIDA2 results # 1 of 9
559 348 15 14 1.14E-03
For Julian Day 348, selecting COMIDA2 results # 1 of 9
560 348 21 10 1.14E-03
For Julian Day 348, selecting COMIDA2 results # 1 of 9
561 349 1 10 1.14E-03
For Julian Day 349, selecting COMIDA2 results # 1 of 9
562 349 7 9 1.13E-03
For Julian Day 349, selecting COMIDA2 results # 1 of 9
563 350 1 12 1.15E-03
For Julian Day 350, selecting COMIDA2 results # 1 of 9
564 350 3 16 1.14E-04
For Julian Day 350, selecting COMIDA2 results # 1 of 9
565 350 5 16 1.14E-04
For Julian Day 350, selecting COMIDA2 results # 1 of 9
566 350 13 6 1.15E-03
For Julian Day 350, selecting COMIDA2 results # 1 of 9
567 350 22 13 1.14E-03
For Julian Day 350, selecting COMIDA2 results # 1 of 9
568 351 12 14 1.14E-03
For Julian Day 351, selecting COMIDA2 results # 1 of 9
569 352 1 13 1.14E-03
For Julian Day 352, selecting COMIDA2 results # 1 of 9
570 352 8 13 1.14E-03
For Julian Day 352, selecting COMIDA2 results # 1 of 9

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      571       352        24        11   1.15E-03
For Julian Day 352, selecting COMIDA2 results # 1 of 9
      572       353         7        10   1.14E-03
For Julian Day 353, selecting COMIDA2 results # 1 of 9
      573       353        11         5   1.13E-03
For Julian Day 353, selecting COMIDA2 results # 1 of 9
      574       353        15         6   1.15E-03
For Julian Day 353, selecting COMIDA2 results # 1 of 9
      575       353        18        11   1.15E-03
For Julian Day 353, selecting COMIDA2 results # 1 of 9
      576       354         4        14   1.14E-03
For Julian Day 354, selecting COMIDA2 results # 1 of 9
      577       355         7        20   1.12E-03
For Julian Day 355, selecting COMIDA2 results # 1 of 9
      578       355        24        14   1.14E-03
For Julian Day 355, selecting COMIDA2 results # 1 of 9
      579       356        10        19   1.11E-03
For Julian Day 356, selecting COMIDA2 results # 1 of 9
      580       357         1        22   1.09E-03
For Julian Day 357, selecting COMIDA2 results # 1 of 9
      581       357         3        10   1.14E-03
For Julian Day 357, selecting COMIDA2 results # 1 of 9
      582       357         4        10   1.14E-03
For Julian Day 357, selecting COMIDA2 results # 1 of 9
      583       357        19        11   1.15E-03
For Julian Day 357, selecting COMIDA2 results # 1 of 9
      584       357        23        15   1.12E-03
For Julian Day 357, selecting COMIDA2 results # 1 of 9
      585       358        10         6   1.15E-03
For Julian Day 358, selecting COMIDA2 results # 1 of 9
      586       359         6        21   1.13E-03
For Julian Day 359, selecting COMIDA2 results # 1 of 9
      587       359        11        18   5.99E-04
For Julian Day 359, selecting COMIDA2 results # 1 of 9
      588       359        20        17   1.14E-03
For Julian Day 359, selecting COMIDA2 results # 1 of 9
      589       360        21         6   1.15E-03
For Julian Day 360, selecting COMIDA2 results # 1 of 9
      590       361         4         6   1.15E-03
```

For Julian Day 361, selecting COMIDA2 results # 1 of 9
591 361 18 11 1.15E-03
For Julian Day 361, selecting COMIDA2 results # 1 of 9
592 362 18 9 1.13E-03
For Julian Day 362, selecting COMIDA2 results # 1 of 9
593 363 11 1 1.14E-03
For Julian Day 363, selecting COMIDA2 results # 1 of 9
594 363 14 4 1.15E-03
For Julian Day 363, selecting COMIDA2 results # 1 of 9
595 363 21 14 1.14E-03
For Julian Day 363, selecting COMIDA2 results # 1 of 9
596 364 1 9 1.13E-03
For Julian Day 364, selecting COMIDA2 results # 1 of 9
597 364 7 9 1.13E-03
For Julian Day 364, selecting COMIDA2 results # 1 of 9
598 364 15 5 1.13E-03
For Julian Day 364, selecting COMIDA2 results # 1 of 9
599 365 2 10 1.14E-03
For Julian Day 365, selecting COMIDA2 results # 1 of 9
600 365 7 10 1.14E-03
For Julian Day 365, selecting COMIDA2 results # 1 of 9

TRIAL DAY PERIOD BIN PRBMET
601 1 1 13 1.14E-03
For Julian Day 1, selecting COMIDA2 results # 1 of 9
602 1 13 6 1.15E-03
For Julian Day 1, selecting COMIDA2 results # 1 of 9
603 1 15 5 1.13E-03
For Julian Day 1, selecting COMIDA2 results # 1 of 9
604 1 21 14 1.14E-03
For Julian Day 1, selecting COMIDA2 results # 1 of 9
605 1 23 13 1.14E-03
For Julian Day 1, selecting COMIDA2 results # 1 of 9
606 2 4 21 1.13E-03
For Julian Day 2, selecting COMIDA2 results # 1 of 9
607 2 6 20 1.12E-03
For Julian Day 2, selecting COMIDA2 results # 1 of 9
608 2 11 17 1.14E-03

```
For Julian Day   2, selecting COMIDA2 results # 1 of 9
       609         2        14        17   1.14E-03
For Julian Day   2, selecting COMIDA2 results # 1 of 9
       610         2        15        27   3.71E-04
For Julian Day   2, selecting COMIDA2 results # 1 of 9
       611         3        14         6   1.15E-03
For Julian Day   3, selecting COMIDA2 results # 1 of 9
       612         3        22         5   1.13E-03
For Julian Day   3, selecting COMIDA2 results # 1 of 9
       613         4         6         4   1.15E-03
For Julian Day   4, selecting COMIDA2 results # 1 of 9
       614         5         8        11   1.15E-03
For Julian Day   5, selecting COMIDA2 results # 1 of 9
       615         6         8         6   1.15E-03
For Julian Day   6, selecting COMIDA2 results # 1 of 9
       616         6        14         6   1.15E-03
For Julian Day   6, selecting COMIDA2 results # 1 of 9
       617         7        15         6   1.15E-03
For Julian Day   7, selecting COMIDA2 results # 1 of 9
       618         7        20         5   1.13E-03
For Julian Day   7, selecting COMIDA2 results # 1 of 9
       619         7        22         4   1.15E-03
For Julian Day   7, selecting COMIDA2 results # 1 of 9
       620         8         1        10   1.14E-03
For Julian Day   8, selecting COMIDA2 results # 1 of 9
       621         8         4        10   1.14E-03
For Julian Day   8, selecting COMIDA2 results # 1 of 9
       622         8        21        12   1.15E-03
For Julian Day   8, selecting COMIDA2 results # 1 of 9
       623         9         9        11   1.15E-03
For Julian Day   9, selecting COMIDA2 results # 1 of 9
       624         9        10         6   1.15E-03
For Julian Day   9, selecting COMIDA2 results # 1 of 9
       625         9        22        10   1.14E-03
For Julian Day   9, selecting COMIDA2 results # 1 of 9
       626        11        14        23   1.14E-04
For Julian Day  11, selecting COMIDA2 results # 1 of 9
       627        11        15        22   1.09E-03
For Julian Day  11, selecting COMIDA2 results # 1 of 9
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628 12 5 11 1.15E-03
For Julian Day 12, selecting COMIDA2 results # 1 of 9
629 12 13 2 1.14E-03
For Julian Day 12, selecting COMIDA2 results # 1 of 9
630 13 9 10 1.14E-03
For Julian Day 13, selecting COMIDA2 results # 1 of 9
631 13 22 21 1.13E-03
For Julian Day 13, selecting COMIDA2 results # 1 of 9
632 14 15 8 3.04E-04
For Julian Day 14, selecting COMIDA2 results # 1 of 9
633 14 17 8 3.04E-04
For Julian Day 14, selecting COMIDA2 results # 1 of 9
634 14 19 8 3.04E-04
For Julian Day 14, selecting COMIDA2 results # 1 of 9
635 14 23 8 3.04E-04
For Julian Day 14, selecting COMIDA2 results # 1 of 9
636 15 2 8 3.04E-04
For Julian Day 15, selecting COMIDA2 results # 1 of 9
637 15 5 8 3.04E-04
For Julian Day 15, selecting COMIDA2 results # 1 of 9
638 15 7 8 3.04E-04
For Julian Day 15, selecting COMIDA2 results # 1 of 9
639 15 9 8 3.04E-04
For Julian Day 15, selecting COMIDA2 results # 1 of 9
640 15 13 8 3.04E-04
For Julian Day 15, selecting COMIDA2 results # 1 of 9
641 15 15 8 3.04E-04
For Julian Day 15, selecting COMIDA2 results # 1 of 9
642 15 21 12 1.15E-03
For Julian Day 15, selecting COMIDA2 results # 1 of 9
643 16 9 5 1.13E-03
For Julian Day 16, selecting COMIDA2 results # 1 of 9
644 16 12 1 1.14E-03
For Julian Day 16, selecting COMIDA2 results # 1 of 9
645 16 14 4 1.15E-03
For Julian Day 16, selecting COMIDA2 results # 1 of 9
646 16 16 3 8.56E-04
For Julian Day 16, selecting COMIDA2 results # 1 of 9
647 17 18 20 1.12E-03

For Julian Day 17, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
648	18	3	17	1.14E-03

For Julian Day 18, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
649	18	6	22	1.09E-03

For Julian Day 18, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
650	18	15	8	3.04E-04

For Julian Day 18, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
651	18	22	11	1.15E-03

For Julian Day 18, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
652	19	8	9	1.13E-03

For Julian Day 19, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
653	19	11	10	1.14E-03

For Julian Day 19, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
654	19	18	11	1.15E-03

For Julian Day 19, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
655	19	19	12	1.15E-03

For Julian Day 19, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
656	20	1	10	1.14E-03

For Julian Day 20, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
657	20	21	13	1.14E-03

For Julian Day 20, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
658	21	1	14	1.14E-03

For Julian Day 21, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
659	21	12	6	1.15E-03

For Julian Day 21, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
660	21	16	7	1.13E-03

For Julian Day 21, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
661	21	20	6	1.15E-03

For Julian Day 21, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
662	22	6	11	1.15E-03

For Julian Day 22, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
663	22	8	4	1.15E-03

For Julian Day 22, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
664	23	2	17	1.14E-03

For Julian Day 23, selecting COMIDA2 results # 1 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
665	23	4	19	1.11E-03

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For Julian Day  23, selecting COMIDA2 results # 1 of 9
       666        23        22        10   1.14E-03
For Julian Day  23, selecting COMIDA2 results # 1 of 9
       667        24        12         1   1.14E-03
For Julian Day  24, selecting COMIDA2 results # 1 of 9
       668        24        24        11   1.15E-03
For Julian Day  24, selecting COMIDA2 results # 1 of 9
       669        25         2        16   1.14E-04
For Julian Day  25, selecting COMIDA2 results # 1 of 9
       670        25        18         7   1.13E-03
For Julian Day  25, selecting COMIDA2 results # 1 of 9
       671        25        24         7   1.13E-03
For Julian Day  25, selecting COMIDA2 results # 1 of 9
       672        26        13         7   1.13E-03
For Julian Day  26, selecting COMIDA2 results # 1 of 9
       673        27         2         6   1.15E-03
For Julian Day  27, selecting COMIDA2 results # 1 of 9
       674        27        11         5   1.13E-03
For Julian Day  27, selecting COMIDA2 results # 1 of 9
       675        27        18        14   1.14E-03
For Julian Day  27, selecting COMIDA2 results # 1 of 9
       676        28        10        10   1.14E-03
For Julian Day  28, selecting COMIDA2 results # 1 of 9
       677        28        21        13   1.14E-03
For Julian Day  28, selecting COMIDA2 results # 1 of 9
       678        28        23        13   1.14E-03
For Julian Day  28, selecting COMIDA2 results # 1 of 9
       679        29         9        20   1.12E-03
For Julian Day  29, selecting COMIDA2 results # 1 of 9
       680        29        10        19   1.11E-03
For Julian Day  29, selecting COMIDA2 results # 1 of 9
       681        29        16         6   1.15E-03
For Julian Day  29, selecting COMIDA2 results # 1 of 9
       682        29        18         9   1.13E-03
For Julian Day  29, selecting COMIDA2 results # 1 of 9
       683        30         5        18   5.99E-04
For Julian Day  30, selecting COMIDA2 results # 1 of 9
       684        30        12         4   1.15E-03
For Julian Day  30, selecting COMIDA2 results # 1 of 9
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685 31 4 10 1.14E-03
For Julian Day 31, selecting COMIDA2 results # 1 of 9
686 31 7 21 1.13E-03
For Julian Day 31, selecting COMIDA2 results # 1 of 9
687 31 17 7 1.13E-03
For Julian Day 31, selecting COMIDA2 results # 1 of 9
688 31 23 6 1.15E-03
For Julian Day 31, selecting COMIDA2 results # 1 of 9
689 32 11 1 1.14E-03
For Julian Day 32, selecting COMIDA2 results # 2 of 9
690 33 2 10 1.14E-03
For Julian Day 33, selecting COMIDA2 results # 2 of 9
691 33 12 5 1.13E-03
For Julian Day 33, selecting COMIDA2 results # 2 of 9
692 33 22 17 1.14E-03
For Julian Day 33, selecting COMIDA2 results # 2 of 9
693 34 6 17 1.14E-03
For Julian Day 34, selecting COMIDA2 results # 2 of 9
694 34 10 6 1.15E-03
For Julian Day 34, selecting COMIDA2 results # 2 of 9
695 34 16 6 1.15E-03
For Julian Day 34, selecting COMIDA2 results # 2 of 9
696 34 21 9 1.13E-03
For Julian Day 34, selecting COMIDA2 results # 2 of 9
697 35 1 13 1.14E-03
For Julian Day 35, selecting COMIDA2 results # 2 of 9
698 35 17 18 5.99E-04
For Julian Day 35, selecting COMIDA2 results # 2 of 9
699 35 21 22 1.09E-03
For Julian Day 35, selecting COMIDA2 results # 2 of 9
700 35 22 17 1.14E-03
For Julian Day 35, selecting COMIDA2 results # 2 of 9

TRIAL DAY PERIOD BIN PRBMET
701 36 3 11 1.15E-03
For Julian Day 36, selecting COMIDA2 results # 2 of 9
702 36 19 12 1.15E-03
For Julian Day 36, selecting COMIDA2 results # 2 of 9

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      703        37         3        12   1.15E-03
For Julian Day  37, selecting COMIDA2 results # 2 of 9
      704        37        10         7   1.13E-03
For Julian Day  37, selecting COMIDA2 results # 2 of 9
      705        37        19        11   1.15E-03
For Julian Day  37, selecting COMIDA2 results # 2 of 9
      706        38        17         6   1.15E-03
For Julian Day  38, selecting COMIDA2 results # 2 of 9
      707        39         5        11   1.15E-03
For Julian Day  39, selecting COMIDA2 results # 2 of 9
      708        40         6        11   1.15E-03
For Julian Day  40, selecting COMIDA2 results # 2 of 9
      709        40        11         2   1.14E-03
For Julian Day  40, selecting COMIDA2 results # 2 of 9
      710        40        15         6   1.15E-03
For Julian Day  40, selecting COMIDA2 results # 2 of 9
      711        41         4        11   1.15E-03
For Julian Day  41, selecting COMIDA2 results # 2 of 9
      712        41        15         5   1.13E-03
For Julian Day  41, selecting COMIDA2 results # 2 of 9
      713        42         3        10   1.14E-03
For Julian Day  42, selecting COMIDA2 results # 2 of 9
      714        42         9        21   1.13E-03
For Julian Day  42, selecting COMIDA2 results # 2 of 9
      715        43         6        17   1.14E-03
For Julian Day  43, selecting COMIDA2 results # 2 of 9
      716        43        19        12   1.15E-03
For Julian Day  43, selecting COMIDA2 results # 2 of 9
      717        44         6        16   1.14E-04
For Julian Day  44, selecting COMIDA2 results # 2 of 9
      718        44        11         2   1.14E-03
For Julian Day  44, selecting COMIDA2 results # 2 of 9
      719        44        19        14   1.14E-03
For Julian Day  44, selecting COMIDA2 results # 2 of 9
      720        45         7        14   1.14E-03
For Julian Day  45, selecting COMIDA2 results # 2 of 9
      721        45         9         4   1.15E-03
For Julian Day  45, selecting COMIDA2 results # 2 of 9
      722        45        18        10   1.14E-03
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For Julian Day 45, selecting COMIDA2 results # 2 of 9
723 46 8 13 1.14E-03
For Julian Day 46, selecting COMIDA2 results # 2 of 9
724 46 17 9 1.13E-03
For Julian Day 46, selecting COMIDA2 results # 2 of 9
725 47 8 13 1.14E-03
For Julian Day 47, selecting COMIDA2 results # 2 of 9
726 47 19 15 1.12E-03
For Julian Day 47, selecting COMIDA2 results # 2 of 9
727 48 16 6 1.15E-03
For Julian Day 48, selecting COMIDA2 results # 2 of 9
728 48 19 6 1.15E-03
For Julian Day 48, selecting COMIDA2 results # 2 of 9
729 49 3 10 1.14E-03
For Julian Day 49, selecting COMIDA2 results # 2 of 9
730 49 20 7 1.13E-03
For Julian Day 49, selecting COMIDA2 results # 2 of 9
731 50 6 12 1.15E-03
For Julian Day 50, selecting COMIDA2 results # 2 of 9
732 50 7 5 1.13E-03
For Julian Day 50, selecting COMIDA2 results # 2 of 9
733 50 17 5 1.13E-03
For Julian Day 50, selecting COMIDA2 results # 2 of 9
734 50 21 11 1.15E-03
For Julian Day 50, selecting COMIDA2 results # 2 of 9
735 51 5 10 1.14E-03
For Julian Day 51, selecting COMIDA2 results # 2 of 9
736 51 11 1 1.14E-03
For Julian Day 51, selecting COMIDA2 results # 2 of 9
737 52 7 14 1.14E-03
For Julian Day 52, selecting COMIDA2 results # 2 of 9
738 52 16 6 1.15E-03
For Julian Day 52, selecting COMIDA2 results # 2 of 9
739 53 3 13 1.14E-03
For Julian Day 53, selecting COMIDA2 results # 2 of 9
740 53 17 4 1.15E-03
For Julian Day 53, selecting COMIDA2 results # 2 of 9
741 54 5 21 1.13E-03
For Julian Day 54, selecting COMIDA2 results # 2 of 9

742 54 17 12 1.15E-03
For Julian Day 54, selecting COMIDA2 results # 2 of 9
743 54 18 11 1.15E-03
For Julian Day 54, selecting COMIDA2 results # 2 of 9
744 54 20 15 1.12E-03
For Julian Day 54, selecting COMIDA2 results # 2 of 9
745 55 7 7 1.13E-03
For Julian Day 55, selecting COMIDA2 results # 2 of 9
746 55 10 8 3.04E-04
For Julian Day 55, selecting COMIDA2 results # 2 of 9
747 55 12 2 1.14E-03
For Julian Day 55, selecting COMIDA2 results # 2 of 9
748 56 5 11 1.15E-03
For Julian Day 56, selecting COMIDA2 results # 2 of 9
749 56 6 10 1.14E-03
For Julian Day 56, selecting COMIDA2 results # 2 of 9
750 56 10 2 1.14E-03
For Julian Day 56, selecting COMIDA2 results # 2 of 9

TRIAL DAY PERIOD BIN PRBMET
751 56 16 6 1.15E-03
For Julian Day 56, selecting COMIDA2 results # 2 of 9
752 57 8 7 1.13E-03
For Julian Day 57, selecting COMIDA2 results # 2 of 9
753 58 14 6 1.15E-03
For Julian Day 58, selecting COMIDA2 results # 2 of 9
754 58 16 6 1.15E-03
For Julian Day 58, selecting COMIDA2 results # 2 of 9
755 59 7 5 1.13E-03
For Julian Day 59, selecting COMIDA2 results # 2 of 9
756 59 11 2 1.14E-03
For Julian Day 59, selecting COMIDA2 results # 2 of 9
757 60 1 10 1.14E-03
For Julian Day 60, selecting COMIDA2 results # 2 of 9
758 60 4 6 1.15E-03
For Julian Day 60, selecting COMIDA2 results # 2 of 9
759 61 5 20 1.12E-03
For Julian Day 61, selecting COMIDA2 results # 2 of 9

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      760       61        7       20   1.12E-03
For Julian Day  61, selecting COMIDA2 results # 2 of 9
      761       61       21        7   1.13E-03
For Julian Day  61, selecting COMIDA2 results # 2 of 9
      762       62       23        7   1.13E-03
For Julian Day  62, selecting COMIDA2 results # 2 of 9
      763       63        3        6   1.15E-03
For Julian Day  63, selecting COMIDA2 results # 2 of 9
      764       63       10        2   1.14E-03
For Julian Day  63, selecting COMIDA2 results # 2 of 9
      765       63       20       12   1.15E-03
For Julian Day  63, selecting COMIDA2 results # 2 of 9
      766       64        7        6   1.15E-03
For Julian Day  64, selecting COMIDA2 results # 2 of 9
      767       64       23       12   1.15E-03
For Julian Day  64, selecting COMIDA2 results # 2 of 9
      768       64       24       11   1.15E-03
For Julian Day  64, selecting COMIDA2 results # 2 of 9
      769       65        8        4   1.15E-03
For Julian Day  65, selecting COMIDA2 results # 2 of 9
      770       65       12        1   1.14E-03
For Julian Day  65, selecting COMIDA2 results # 2 of 9
      771       66       10        6   1.15E-03
For Julian Day  66, selecting COMIDA2 results # 2 of 9
      772       66       11        2   1.14E-03
For Julian Day  66, selecting COMIDA2 results # 2 of 9
      773       66       14        2   1.14E-03
For Julian Day  66, selecting COMIDA2 results # 2 of 9
      774       66       19       10   1.14E-03
For Julian Day  66, selecting COMIDA2 results # 2 of 9
      775       67        1       10   1.14E-03
For Julian Day  67, selecting COMIDA2 results # 2 of 9
      776       67        5       14   1.14E-03
For Julian Day  67, selecting COMIDA2 results # 2 of 9
      777       67       16        5   1.13E-03
For Julian Day  67, selecting COMIDA2 results # 2 of 9
      778       68        6        5   1.13E-03
For Julian Day  68, selecting COMIDA2 results # 2 of 9
      779       68       17        6   1.15E-03
```

For Julian Day 68, selecting COMIDA2 results # 2 of 9
780 69 6 12 1.15E-03
For Julian Day 69, selecting COMIDA2 results # 2 of 9
781 69 14 7 1.13E-03
For Julian Day 69, selecting COMIDA2 results # 2 of 9
782 70 1 11 1.15E-03
For Julian Day 70, selecting COMIDA2 results # 2 of 9
783 70 11 1 1.14E-03
For Julian Day 70, selecting COMIDA2 results # 2 of 9
784 70 22 11 1.15E-03
For Julian Day 70, selecting COMIDA2 results # 2 of 9
785 71 10 17 1.14E-03
For Julian Day 71, selecting COMIDA2 results # 2 of 9
786 71 11 3 8.56E-04
For Julian Day 71, selecting COMIDA2 results # 2 of 9
787 71 13 4 1.15E-03
For Julian Day 71, selecting COMIDA2 results # 2 of 9
788 72 4 18 5.99E-04
For Julian Day 72, selecting COMIDA2 results # 2 of 9
789 72 9 9 1.13E-03
For Julian Day 72, selecting COMIDA2 results # 2 of 9
790 72 14 2 1.14E-03
For Julian Day 72, selecting COMIDA2 results # 2 of 9
791 73 3 12 1.15E-03
For Julian Day 73, selecting COMIDA2 results # 2 of 9
792 74 5 12 1.15E-03
For Julian Day 74, selecting COMIDA2 results # 2 of 9
793 74 10 7 1.13E-03
For Julian Day 74, selecting COMIDA2 results # 2 of 9
794 75 15 2 1.14E-03
For Julian Day 75, selecting COMIDA2 results # 2 of 9
795 75 21 11 1.15E-03
For Julian Day 75, selecting COMIDA2 results # 2 of 9
796 76 6 5 1.13E-03
For Julian Day 76, selecting COMIDA2 results # 2 of 9
797 76 23 12 1.15E-03
For Julian Day 76, selecting COMIDA2 results # 2 of 9
798 77 8 6 1.15E-03
For Julian Day 77, selecting COMIDA2 results # 2 of 9

799 77 9 2 1.14E-03
For Julian Day 77, selecting COMIDA2 results # 2 of 9
800 77 14 2 1.14E-03
For Julian Day 77, selecting COMIDA2 results # 2 of 9

TRIAL DAY PERIOD BIN PRBMET
801 78 5 11 1.15E-03
For Julian Day 78, selecting COMIDA2 results # 2 of 9
802 78 19 6 1.15E-03
For Julian Day 78, selecting COMIDA2 results # 2 of 9
803 78 21 7 1.13E-03
For Julian Day 78, selecting COMIDA2 results # 2 of 9
804 79 13 2 1.14E-03
For Julian Day 79, selecting COMIDA2 results # 2 of 9
805 80 8 1 1.14E-03
For Julian Day 80, selecting COMIDA2 results # 2 of 9
806 80 19 4 1.15E-03
For Julian Day 80, selecting COMIDA2 results # 2 of 9
807 81 5 6 1.15E-03
For Julian Day 81, selecting COMIDA2 results # 2 of 9
808 81 15 6 1.15E-03
For Julian Day 81, selecting COMIDA2 results # 2 of 9
809 82 3 6 1.15E-03
For Julian Day 82, selecting COMIDA2 results # 2 of 9
810 83 3 5 1.13E-03
For Julian Day 83, selecting COMIDA2 results # 2 of 9
811 83 10 2 1.14E-03
For Julian Day 83, selecting COMIDA2 results # 2 of 9
812 83 20 11 1.15E-03
For Julian Day 83, selecting COMIDA2 results # 2 of 9
813 84 1 5 1.13E-03
For Julian Day 84, selecting COMIDA2 results # 2 of 9
814 84 12 1 1.14E-03
For Julian Day 84, selecting COMIDA2 results # 2 of 9
815 84 17 5 1.13E-03
For Julian Day 84, selecting COMIDA2 results # 2 of 9
816 84 19 10 1.14E-03
For Julian Day 84, selecting COMIDA2 results # 2 of 9

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      817        85         2        11   1.15E-03
For Julian Day  85, selecting COMIDA2 results # 2 of 9
      818        86         3        12   1.15E-03
For Julian Day  86, selecting COMIDA2 results # 2 of 9
      819        86         7         6   1.15E-03
For Julian Day  86, selecting COMIDA2 results # 2 of 9
      820        86        12         2   1.14E-03
For Julian Day  86, selecting COMIDA2 results # 2 of 9
      821        86        16         6   1.15E-03
For Julian Day  86, selecting COMIDA2 results # 2 of 9
      822        86        18        11   1.15E-03
For Julian Day  86, selecting COMIDA2 results # 2 of 9
      823        86        20        14   1.14E-03
For Julian Day  86, selecting COMIDA2 results # 2 of 9
      824        87         1        13   1.14E-03
For Julian Day  87, selecting COMIDA2 results # 2 of 9
      825        87        15         1   1.14E-03
For Julian Day  87, selecting COMIDA2 results # 2 of 9
      826        87        21         4   1.15E-03
For Julian Day  87, selecting COMIDA2 results # 2 of 9
      827        87        24        21   1.13E-03
For Julian Day  87, selecting COMIDA2 results # 2 of 9
      828        88         6        19   1.11E-03
For Julian Day  88, selecting COMIDA2 results # 2 of 9
      829        89         5        13   1.14E-03
For Julian Day  89, selecting COMIDA2 results # 2 of 9
      830        89        11        10   1.14E-03
For Julian Day  89, selecting COMIDA2 results # 2 of 9
      831        90        19        12   1.15E-03
For Julian Day  90, selecting COMIDA2 results # 2 of 9
      832        91         8         5   1.13E-03
For Julian Day  91, selecting COMIDA2 results # 2 of 9
      833        91        16         7   1.13E-03
For Julian Day  91, selecting COMIDA2 results # 2 of 9
      834        92        13         1   1.14E-03
For Julian Day  92, selecting COMIDA2 results # 3 of 9
      835        92        22        13   1.14E-03
For Julian Day  92, selecting COMIDA2 results # 3 of 9
      836        93         3        10   1.14E-03
```

For Julian Day 93, selecting COMIDA2 results # 3 of 9
837 93 7 5 1.13E-03
For Julian Day 93, selecting COMIDA2 results # 3 of 9
838 93 11 21 1.13E-03
For Julian Day 93, selecting COMIDA2 results # 3 of 9
839 93 16 36 1.43E-04
For Julian Day 93, selecting COMIDA2 results # 3 of 9
840 93 17 35 1.14E-04
For Julian Day 93, selecting COMIDA2 results # 3 of 9
841 93 18 34 1.14E-04
For Julian Day 93, selecting COMIDA2 results # 3 of 9
842 93 19 33 1.14E-04
For Julian Day 93, selecting COMIDA2 results # 3 of 9
843 93 21 27 3.71E-04
For Julian Day 93, selecting COMIDA2 results # 3 of 9
844 94 1 12 1.15E-03
For Julian Day 94, selecting COMIDA2 results # 3 of 9
845 94 10 2 1.14E-03
For Julian Day 94, selecting COMIDA2 results # 3 of 9
846 94 22 11 1.15E-03
For Julian Day 94, selecting COMIDA2 results # 3 of 9
847 95 9 7 1.13E-03
For Julian Day 95, selecting COMIDA2 results # 3 of 9
848 95 13 2 1.14E-03
For Julian Day 95, selecting COMIDA2 results # 3 of 9
849 95 16 6 1.15E-03
For Julian Day 95, selecting COMIDA2 results # 3 of 9
850 96 6 10 1.14E-03
For Julian Day 96, selecting COMIDA2 results # 3 of 9

TRIAL DAY PERIOD BIN PRBMET
851 97 8 17 1.14E-03
For Julian Day 97, selecting COMIDA2 results # 3 of 9
852 97 10 17 1.14E-03
For Julian Day 97, selecting COMIDA2 results # 3 of 9
853 97 15 2 1.14E-03
For Julian Day 97, selecting COMIDA2 results # 3 of 9
854 98 16 6 1.15E-03

For Julian Day 98, selecting COMIDA2 results # 3 of 9
855 98 20 11 1.15E-03
For Julian Day 98, selecting COMIDA2 results # 3 of 9
856 98 24 12 1.15E-03
For Julian Day 98, selecting COMIDA2 results # 3 of 9
857 99 24 14 1.14E-03
For Julian Day 99, selecting COMIDA2 results # 3 of 9
858 100 15 1 1.14E-03
For Julian Day 100, selecting COMIDA2 results # 3 of 9
859 100 22 9 1.13E-03
For Julian Day 100, selecting COMIDA2 results # 3 of 9
860 101 6 13 1.14E-03
For Julian Day 101, selecting COMIDA2 results # 3 of 9
861 101 21 11 1.15E-03
For Julian Day 101, selecting COMIDA2 results # 3 of 9
862 102 12 2 1.14E-03
For Julian Day 102, selecting COMIDA2 results # 3 of 9
863 102 13 6 1.15E-03
For Julian Day 102, selecting COMIDA2 results # 3 of 9
864 103 8 9 1.13E-03
For Julian Day 103, selecting COMIDA2 results # 3 of 9
865 104 3 20 1.12E-03
For Julian Day 104, selecting COMIDA2 results # 3 of 9
866 104 4 20 1.12E-03
For Julian Day 104, selecting COMIDA2 results # 3 of 9
867 104 12 10 1.14E-03
For Julian Day 104, selecting COMIDA2 results # 3 of 9
868 104 21 19 1.11E-03
For Julian Day 104, selecting COMIDA2 results # 3 of 9
869 105 4 14 1.14E-03
For Julian Day 105, selecting COMIDA2 results # 3 of 9
870 105 9 4 1.15E-03
For Julian Day 105, selecting COMIDA2 results # 3 of 9
871 105 14 2 1.14E-03
For Julian Day 105, selecting COMIDA2 results # 3 of 9
872 105 22 12 1.15E-03
For Julian Day 105, selecting COMIDA2 results # 3 of 9
873 106 2 11 1.15E-03
For Julian Day 106, selecting COMIDA2 results # 3 of 9

874 106 14 2 1.14E-03
For Julian Day 106, selecting COMIDA2 results # 3 of 9
875 106 16 1 1.14E-03
For Julian Day 106, selecting COMIDA2 results # 3 of 9
876 106 24 10 1.14E-03
For Julian Day 106, selecting COMIDA2 results # 3 of 9
877 107 1 5 1.13E-03
For Julian Day 107, selecting COMIDA2 results # 3 of 9
878 107 3 10 1.14E-03
For Julian Day 107, selecting COMIDA2 results # 3 of 9
879 107 13 1 1.14E-03
For Julian Day 107, selecting COMIDA2 results # 3 of 9
880 108 18 5 1.13E-03
For Julian Day 108, selecting COMIDA2 results # 3 of 9
881 109 13 2 1.14E-03
For Julian Day 109, selecting COMIDA2 results # 3 of 9
882 109 17 6 1.15E-03
For Julian Day 109, selecting COMIDA2 results # 3 of 9
883 110 2 11 1.15E-03
For Julian Day 110, selecting COMIDA2 results # 3 of 9
884 110 14 1 1.14E-03
For Julian Day 110, selecting COMIDA2 results # 3 of 9
885 110 22 13 1.14E-03
For Julian Day 110, selecting COMIDA2 results # 3 of 9
886 111 23 17 1.14E-03
For Julian Day 111, selecting COMIDA2 results # 3 of 9
887 112 6 17 1.14E-03
For Julian Day 112, selecting COMIDA2 results # 3 of 9
888 112 10 23 1.14E-04
For Julian Day 112, selecting COMIDA2 results # 3 of 9
889 112 19 32 3.23E-04
For Julian Day 112, selecting COMIDA2 results # 3 of 9
890 112 21 27 3.71E-04
For Julian Day 112, selecting COMIDA2 results # 3 of 9
891 113 1 17 1.14E-03
For Julian Day 113, selecting COMIDA2 results # 3 of 9
892 113 20 21 1.13E-03
For Julian Day 113, selecting COMIDA2 results # 3 of 9
893 114 14 2 1.14E-03

For Julian Day 114, selecting COMIDA2 results # 3 of 9
894 115 9 4 1.15E-03
For Julian Day 115, selecting COMIDA2 results # 3 of 9
895 115 11 1 1.14E-03
For Julian Day 115, selecting COMIDA2 results # 3 of 9
896 115 19 12 1.15E-03
For Julian Day 115, selecting COMIDA2 results # 3 of 9
897 116 20 10 1.14E-03
For Julian Day 116, selecting COMIDA2 results # 3 of 9
898 116 24 9 1.13E-03
For Julian Day 116, selecting COMIDA2 results # 3 of 9
899 117 1 14 1.14E-03
For Julian Day 117, selecting COMIDA2 results # 3 of 9
900 117 12 1 1.14E-03
For Julian Day 117, selecting COMIDA2 results # 3 of 9

TRIAL DAY PERIOD BIN PRBMET
901 117 13 1 1.14E-03
For Julian Day 117, selecting COMIDA2 results # 3 of 9
902 117 20 14 1.14E-03
For Julian Day 117, selecting COMIDA2 results # 3 of 9
903 117 22 13 1.14E-03
For Julian Day 117, selecting COMIDA2 results # 3 of 9
904 118 15 2 1.14E-03
For Julian Day 118, selecting COMIDA2 results # 3 of 9
905 119 16 1 1.14E-03
For Julian Day 119, selecting COMIDA2 results # 3 of 9
906 119 22 10 1.14E-03
For Julian Day 119, selecting COMIDA2 results # 3 of 9
907 119 23 11 1.15E-03
For Julian Day 119, selecting COMIDA2 results # 3 of 9
908 120 4 9 1.13E-03
For Julian Day 120, selecting COMIDA2 results # 3 of 9
909 121 10 1 1.14E-03
For Julian Day 121, selecting COMIDA2 results # 3 of 9
910 121 23 10 1.14E-03
For Julian Day 121, selecting COMIDA2 results # 3 of 9
911 122 9 4 1.15E-03

For Julian Day 122, selecting COMIDA2 results # 3 of 9
912 122 15 1 1.14E-03
For Julian Day 122, selecting COMIDA2 results # 3 of 9
913 122 24 10 1.14E-03
For Julian Day 122, selecting COMIDA2 results # 3 of 9
914 123 10 1 1.14E-03
For Julian Day 123, selecting COMIDA2 results # 3 of 9
915 124 3 14 1.14E-03
For Julian Day 124, selecting COMIDA2 results # 3 of 9
916 124 6 14 1.14E-03
For Julian Day 124, selecting COMIDA2 results # 3 of 9
917 124 14 2 1.14E-03
For Julian Day 124, selecting COMIDA2 results # 3 of 9
918 125 1 15 1.12E-03
For Julian Day 125, selecting COMIDA2 results # 3 of 9
919 125 8 5 1.13E-03
For Julian Day 125, selecting COMIDA2 results # 3 of 9
920 125 12 1 1.14E-03
For Julian Day 125, selecting COMIDA2 results # 3 of 9
921 125 22 13 1.14E-03
For Julian Day 125, selecting COMIDA2 results # 3 of 9
922 126 10 4 1.15E-03
For Julian Day 126, selecting COMIDA2 results # 3 of 9
923 126 16 6 1.15E-03
For Julian Day 126, selecting COMIDA2 results # 3 of 9
924 127 14 1 1.14E-03
For Julian Day 127, selecting COMIDA2 results # 3 of 9
925 128 2 18 5.99E-04
For Julian Day 128, selecting COMIDA2 results # 3 of 9
926 128 6 10 1.14E-03
For Julian Day 128, selecting COMIDA2 results # 3 of 9
927 128 12 4 1.15E-03
For Julian Day 128, selecting COMIDA2 results # 3 of 9
928 129 1 9 1.13E-03
For Julian Day 129, selecting COMIDA2 results # 3 of 9
929 129 16 1 1.14E-03
For Julian Day 129, selecting COMIDA2 results # 3 of 9
930 130 1 10 1.14E-03
For Julian Day 130, selecting COMIDA2 results # 3 of 9

931 130 9 10 1.14E-03
For Julian Day 130, selecting COMIDA2 results # 3 of 9
932 130 19 11 1.15E-03
For Julian Day 130, selecting COMIDA2 results # 3 of 9
933 131 2 9 1.13E-03
For Julian Day 131, selecting COMIDA2 results # 3 of 9
934 131 19 19 1.11E-03
For Julian Day 131, selecting COMIDA2 results # 3 of 9
935 132 2 17 1.14E-03
For Julian Day 132, selecting COMIDA2 results # 3 of 9
936 132 10 1 1.14E-03
For Julian Day 132, selecting COMIDA2 results # 3 of 9
937 132 20 10 1.14E-03
For Julian Day 132, selecting COMIDA2 results # 3 of 9
938 133 24 21 1.13E-03
For Julian Day 133, selecting COMIDA2 results # 3 of 9
939 134 1 21 1.13E-03
For Julian Day 134, selecting COMIDA2 results # 3 of 9
940 134 4 20 1.12E-03
For Julian Day 134, selecting COMIDA2 results # 3 of 9
941 134 5 20 1.12E-03
For Julian Day 134, selecting COMIDA2 results # 3 of 9
942 134 7 19 1.11E-03
For Julian Day 134, selecting COMIDA2 results # 3 of 9
943 135 1 18 5.99E-04
For Julian Day 135, selecting COMIDA2 results # 3 of 9
944 135 5 17 1.14E-03
For Julian Day 135, selecting COMIDA2 results # 3 of 9
945 135 24 20 1.12E-03
For Julian Day 135, selecting COMIDA2 results # 3 of 9
946 136 18 6 1.15E-03
For Julian Day 136, selecting COMIDA2 results # 3 of 9
947 136 22 14 1.14E-03
For Julian Day 136, selecting COMIDA2 results # 3 of 9
948 137 3 14 1.14E-03
For Julian Day 137, selecting COMIDA2 results # 4 of 9
949 137 7 4 1.15E-03
For Julian Day 137, selecting COMIDA2 results # 4 of 9
950 137 8 5 1.13E-03

For Julian Day 137, selecting COMIDA2 results # 4 of 9

TRIAL	DAY	PERIOD	BIN	PRBMET
951	137	14	17	1.14E-03

For Julian Day 137, selecting COMIDA2 results # 4 of 9

952	137	19	10	1.14E-03

For Julian Day 137, selecting COMIDA2 results # 4 of 9

953	137	21	11	1.15E-03

For Julian Day 137, selecting COMIDA2 results # 4 of 9

954	138	7	3	8.56E-04

For Julian Day 138, selecting COMIDA2 results # 4 of 9

955	138	15	5	1.13E-03

For Julian Day 138, selecting COMIDA2 results # 4 of 9

956	139	19	12	1.15E-03

For Julian Day 139, selecting COMIDA2 results # 4 of 9

957	140	11	2	1.14E-03

For Julian Day 140, selecting COMIDA2 results # 4 of 9

958	141	2	14	1.14E-03

For Julian Day 141, selecting COMIDA2 results # 4 of 9

959	141	4	14	1.14E-03

For Julian Day 141, selecting COMIDA2 results # 4 of 9

960	141	6	13	1.14E-03

For Julian Day 141, selecting COMIDA2 results # 4 of 9

961	141	22	12	1.15E-03

For Julian Day 141, selecting COMIDA2 results # 4 of 9

962	142	7	6	1.15E-03

For Julian Day 142, selecting COMIDA2 results # 4 of 9

963	142	12	2	1.14E-03

For Julian Day 142, selecting COMIDA2 results # 4 of 9

964	142	20	11	1.15E-03

For Julian Day 142, selecting COMIDA2 results # 4 of 9

965	143	3	15	1.12E-03

For Julian Day 143, selecting COMIDA2 results # 4 of 9

966	144	12	2	1.14E-03

For Julian Day 144, selecting COMIDA2 results # 4 of 9

967	144	13	1	1.14E-03

For Julian Day 144, selecting COMIDA2 results # 4 of 9

968	145	23	21	1.13E-03

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For Julian Day 145, selecting COMIDA2 results # 4 of 9
      969       146        18         5   1.13E-03
For Julian Day 146, selecting COMIDA2 results # 4 of 9
      970       146        20        10   1.14E-03
For Julian Day 146, selecting COMIDA2 results # 4 of 9
      971       147         6        14   1.14E-03
For Julian Day 147, selecting COMIDA2 results # 4 of 9
      972       147        14         6   1.15E-03
For Julian Day 147, selecting COMIDA2 results # 4 of 9
      973       147        18        11   1.15E-03
For Julian Day 147, selecting COMIDA2 results # 4 of 9
      974       148         2        10   1.14E-03
For Julian Day 148, selecting COMIDA2 results # 4 of 9
      975       148         4        14   1.14E-03
For Julian Day 148, selecting COMIDA2 results # 4 of 9
      976       148        10         4   1.15E-03
For Julian Day 148, selecting COMIDA2 results # 4 of 9
      977       148        15         1   1.14E-03
For Julian Day 148, selecting COMIDA2 results # 4 of 9
      978       149         1        13   1.14E-03
For Julian Day 149, selecting COMIDA2 results # 4 of 9
      979       149         7         9   1.13E-03
For Julian Day 149, selecting COMIDA2 results # 4 of 9
      980       149        16         4   1.15E-03
For Julian Day 149, selecting COMIDA2 results # 4 of 9
      981       150         5        13   1.14E-03
For Julian Day 150, selecting COMIDA2 results # 4 of 9
      982       150         9         5   1.13E-03
For Julian Day 150, selecting COMIDA2 results # 4 of 9
      983       150        23        10   1.14E-03
For Julian Day 150, selecting COMIDA2 results # 4 of 9
      984       151         9         1   1.14E-03
For Julian Day 151, selecting COMIDA2 results # 4 of 9

 "ATMOS"  DESCRIPTION = SOARCA PB Source Term Long-Term SBO
                              PROB                    QUANTILES                       PEAK      PEAK  PEAK
                             NON-ZERO   MEAN      50TH      90TH      95TH      99TH     99.5TH     CONS      PROB  TRIAL
Source Term 1: Plume 1, at     0-0.2 km
 Cs-137   Center Air Conc. (Bq-s/m3)    1.0000  1.64E+09  1.21E+09  3.57E+09  5.12E+09    ****      ****    5.35E+09  2.97E-02  127
```

Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 7.82E+08 6.95E+08 1.15E+09 1.26E+09 1.57E+09 1.72E+09 1.81E+09 3.43E-03 282
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 1.11E+06 8.74E+05 1.86E+06 2.38E+06 5.60E+06 6.87E+06 1.85E+07 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 2.73E+08 2.19E+08 4.63E+08 5.72E+08 1.33E+09 1.93E+09 4.00E+09 3.23E-04 91
Ground-Level Dilution, X/Q (s/m3) 1.0000 1.00E-04 8.80E-05 1.79E-04 2.04E-04 2.20E-04 2.28E-04 2.32E-04 3.43E-03 282
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.81E+12 7.07E+12 7.22E+12 7.29E+12 7.45E+12 7.52E+12 7.82E+12 3.04E-04 639
Plume Sigma-y (m) 1.0000 2.31E+01 1.74E+01 3.11E+01 3.35E+01 3.97E+01 **** 4.01E+01 9.22E-03 148
Plume Sigma-z (m) 1.0000 2.82E+01 2.36E+01 4.16E+01 **** **** **** 4.38E+01 9.10E-02 2
Plume Height (m) 1.0000 4.13E+01 3.48E+01 4.93E+01 5.33E+01 6.27E+01 6.73E+01 7.41E+01 3.40E-03 315
Plume Arrival Time (s) 1.0000 9.24E+04 7.53E+04 8.93E+04 **** **** **** 9.25E+04 7.19E-02 57

Source Term 1: Plume 1, at 0.2-0.5 km
Cs-137 Center Air Conc. (Bq-s/m3) 1.0000 6.29E+08 4.66E+08 1.52E+09 2.06E+09 **** **** 2.17E+09 2.97E-02 127
Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 3.65E+08 3.08E+08 7.39E+08 8.76E+08 **** **** 9.63E+08 3.41E-02 1
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 5.16E+05 3.88E+05 1.05E+06 1.35E+06 2.38E+06 2.94E+06 8.50E+06 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 1.26E+08 9.75E+07 2.28E+08 2.67E+08 5.57E+08 6.87E+08 1.83E+09 3.23E-04 91
Ground-Level Dilution, X/Q (s/m3) 1.0000 4.68E-05 3.91E-05 9.06E-05 1.13E-04 **** **** 1.24E-04 3.78E-02 1
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.80E+12 7.07E+12 7.22E+12 7.29E+12 7.45E+12 7.52E+12 7.81E+12 3.04E-04 639
Plume Sigma-y (m) 1.0000 5.72E+01 4.51E+01 **** **** **** **** 1.22E+02 1.40E-01 2
Plume Sigma-z (m) 1.0000 4.54E+01 2.77E+01 **** **** **** **** 1.22E+02 1.29E-01 2
Plume Height (m) 1.0000 4.29E+01 3.48E+01 4.93E+01 7.01E+01 8.67E+01 9.50E+01 1.09E+02 3.40E-03 315
Plume Arrival Time (s) 1.0000 9.26E+04 7.54E+04 8.98E+04 **** **** **** 9.30E+04 7.19E-02 57

Source Term 1: Plume 1, at 0.5-1.2 km
Cs-137 Center Air Conc. (Bq-s/m3) 1.0000 2.61E+08 1.99E+08 6.10E+08 7.80E+08 **** **** 8.98E+08 2.97E-02 127
Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 1.99E+08 1.70E+08 3.76E+08 4.61E+08 **** **** 5.53E+08 3.41E-02 1
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 2.76E+05 2.19E+05 5.37E+05 6.27E+05 1.27E+06 1.68E+06 4.20E+06 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 6.69E+07 5.54E+07 1.28E+08 1.57E+08 2.57E+08 3.56E+08 8.99E+08 3.23E-04 91
Ground-Level Dilution, X/Q (s/m3) 1.0000 2.56E-05 2.19E-05 5.27E-05 6.45E-05 **** **** 7.18E-05 3.78E-02 1
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.76E+12 7.09E+12 7.30E+12 7.39E+12 7.60E+12 7.70E+12 7.81E+12 2.29E-03 800
Plume Sigma-y (m) 1.0000 1.18E+02 9.31E+01 **** **** **** **** 2.66E+02 1.40E-01 2
Plume Sigma-z (m) 1.0000 8.37E+01 4.51E+01 3.02E+02 3.06E+02 3.16E+02 **** 3.16E+02 9.39E-03 33
Plume Height (m) 1.0000 4.29E+01 3.48E+01 4.93E+01 7.01E+01 8.67E+01 9.50E+01 1.09E+02 3.40E-03 315
Plume Arrival Time (s) 1.0000 9.29E+04 7.57E+04 9.06E+04 **** **** **** 9.41E+04 7.19E-02 57

Source Term 1: Plume 1, at 1.2-1.6 km
Cs-137 Center Air Conc. (Bq-s/m3) 1.0000 1.54E+08 1.14E+08 3.86E+08 5.05E+08 **** **** 5.16E+08 2.97E-02 127
Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 1.36E+08 1.15E+08 2.95E+08 3.49E+08 **** **** 3.81E+08 3.41E-02 1
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 1.88E+05 1.39E+05 3.64E+05 4.29E+05 8.34E+05 1.05E+06 2.72E+06 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 4.51E+07 3.66E+07 8.90E+07 1.10E+08 1.81E+08 2.31E+08 5.81E+08 3.23E-04 91

Ground-Level Dilution, X/Q (s/m3) 1.0000 1.77E-05 1.37E-05 3.77E-05 4.60E-05 **** **** 4.99E-05 3.78E-02 1
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.73E+12 7.09E+12 7.29E+12 7.39E+12 7.60E+12 7.70E+12 7.80E+12 2.29E-03 800
Plume Sigma-y (m) 1.0000 1.78E+02 1.33E+02 **** **** **** **** 4.06E+02 1.39E-01 2
Plume Sigma-z (m) 1.0000 1.26E+02 4.51E+01 5.15E+02 **** **** **** 5.42E+02 5.77E-02 3
Plume Height (m) 1.0000 4.29E+01 3.48E+01 4.93E+01 7.01E+01 8.67E+01 9.50E+01 1.09E+02 3.40E-03 315
Plume Arrival Time (s) 1.0000 9.33E+04 7.59E+04 9.16E+04 **** **** **** 9.52E+04 7.19E-02 57

Source Term 1: Plume 1, at 1.6-2.1 km
Cs-137 Center Air Conc. (Bq-s/m3) 1.0000 1.10E+08 8.64E+07 2.42E+08 3.01E+08 3.34E+08 3.50E+08 3.68E+08 2.26E-03 111
Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 1.06E+08 9.40E+07 2.27E+08 2.70E+08 **** **** 2.97E+08 3.41E-02 1
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 1.46E+05 1.14E+05 3.01E+05 3.74E+05 6.63E+05 8.39E+05 2.08E+06 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 3.48E+07 2.98E+07 6.99E+07 8.27E+07 1.34E+08 1.72E+08 4.43E+08 3.23E-04 91
Ground-Level Dilution, X/Q (s/m3) 1.0000 1.39E-05 1.13E-05 3.13E-05 3.68E-05 **** **** 3.93E-05 3.78E-02 1
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.70E+12 7.08E+12 7.26E+12 7.34E+12 7.54E+12 7.62E+12 7.80E+12 1.15E-03 849
Plume Sigma-y (m) 1.0000 2.25E+02 1.74E+02 **** **** **** **** 5.17E+02 1.40E-01 2
Plume Sigma-z (m) 1.0000 1.64E+02 4.55E+01 7.12E+02 7.38E+02 **** **** 7.56E+02 3.08E-02 3
Plume Height (m) 1.0000 4.29E+01 3.48E+01 4.93E+01 7.01E+01 8.67E+01 9.50E+01 1.09E+02 3.40E-03 315
Plume Arrival Time (s) 1.0000 9.36E+04 7.51E+04 8.84E+04 9.48E+04 **** **** 9.61E+04 4.40E-02 57

Source Term 1: Plume 1, at 2.1-3.2 km
Cs-137 Center Air Conc. (Bq-s/m3) 1.0000 7.18E+07 5.85E+07 1.52E+08 1.97E+08 2.19E+08 2.28E+08 2.39E+08 2.26E-03 111
Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 7.49E+07 6.35E+07 1.35E+08 1.59E+08 2.14E+08 2.29E+08 2.48E+08 2.28E-03 567
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 1.02E+05 8.16E+04 2.11E+05 2.52E+05 4.26E+05 5.70E+05 1.44E+06 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 2.40E+07 2.04E+07 5.18E+07 5.95E+07 9.75E+07 1.18E+08 3.05E+08 3.23E-04 91
Ground-Level Dilution, X/Q (s/m3) 1.0000 9.88E-06 8.34E-06 2.09E-05 2.27E-05 2.74E-05 2.97E-05 3.32E-05 2.28E-03 567
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.66E+12 7.08E+12 7.26E+12 7.34E+12 7.54E+12 7.62E+12 7.80E+12 1.15E-03 849
Plume Sigma-y (m) 1.0000 3.05E+02 2.36E+02 **** **** **** **** 7.01E+02 1.40E-01 2
Plume Sigma-z (m) 1.0000 2.36E+02 6.58E+01 1.04E+03 1.14E+03 **** **** 1.17E+03 4.23E-02 3
Plume Height (m) 1.0000 4.29E+01 3.48E+01 4.93E+01 7.01E+01 8.67E+01 9.50E+01 1.09E+02 3.40E-03 315
Plume Arrival Time (s) 1.0000 9.42E+04 7.54E+04 8.95E+04 9.64E+04 **** **** 9.77E+04 4.40E-02 57

Source Term 1: Plume 1, at 3.2-4.0 km
Cs-137 Center Air Conc. (Bq-s/m3) 1.0000 4.97E+07 3.96E+07 1.04E+08 1.21E+08 1.76E+08 2.01E+08 2.09E+08 2.28E-03 567
Cs-137 Ground Air Conc. (Bq-s/m3) 1.0000 5.37E+07 4.47E+07 1.11E+08 1.28E+08 1.78E+08 2.05E+08 2.37E+08 2.28E-03 567
Cs-137 Center Ground Conc. (Bq/m2) 1.0000 7.28E+04 5.99E+04 1.44E+05 1.81E+05 3.07E+05 4.27E+05 9.91E+05 3.23E-04 91
Total Center Ground Conc. (Bq/m2) 1.0000 1.69E+07 1.29E+07 3.44E+07 4.25E+07 6.80E+07 8.80E+07 2.11E+08 3.23E-04 91
Ground-Level Dilution, X/Q (s/m3) 1.0000 7.16E-06 6.10E-06 1.54E-05 2.00E-05 2.70E-05 3.03E-05 3.25E-05 2.28E-03 567
Cs-137 Adjusted Source, Q (Bq) 1.0000 7.60E+12 7.08E+12 7.26E+12 7.34E+12 7.53E+12 7.62E+12 7.80E+12 1.15E-03 849
Plume Sigma-y (m) 1.0000 3.95E+02 2.79E+02 7.46E+02 8.52E+02 **** **** 9.11E+02 3.52E-02 3

Plume Sigma-z (m)	1.0000	3.23E+02	6.61E+01	1.03E+03	1.08E+03	1.22E+03	1.29E+03	1.68E+03	1.52E-04	415
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	9.48E+04	7.51E+04	8.83E+04	9.47E+04	****	****	9.96E+04	3.04E-02	110

Source Term 1: Plume 1, at 4.0-4.8 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	3.87E+07	3.21E+07	8.59E+07	1.06E+08	1.35E+08	1.50E+08	1.69E+08	2.25E-03	201
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	4.23E+07	3.47E+07	9.62E+07	1.11E+08	1.47E+08	1.66E+08	1.90E+08	2.25E-03	201
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	5.72E+04	4.55E+04	1.20E+05	1.54E+05	2.69E+05	3.43E+05	6.52E+05	3.23E-04	91
Total Center Ground Conc. (Bq/m2)	1.0000	1.31E+07	1.05E+07	2.79E+07	3.48E+07	5.88E+07	7.61E+07	1.40E+08	3.23E-04	91
Ground-Level Dilution, X/Q (s/m3)	1.0000	5.70E-06	4.78E-06	1.16E-05	1.41E-05	2.11E-05	2.32E-05	2.59E-05	2.26E-03	22
Cs-137 Adjusted Source, Q (Bq)	1.0000	7.56E+12	7.08E+12	7.26E+12	7.34E+12	7.53E+12	7.62E+12	7.80E+12	1.15E-03	849
Plume Sigma-y (m)	1.0000	4.70E+02	3.70E+02	****	****	****	****	1.08E+03	1.03E-01	3
Plume Sigma-z (m)	1.0000	4.02E+02	6.66E+01	2.01E+03	2.03E+03	2.09E+03	2.11E+03	2.16E+03	1.40E-03	50
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	9.53E+04	7.58E+04	9.11E+04	9.86E+04	****	****	1.01E+05	3.04E-02	110

Source Term 1: Plume 1, at 4.8-5.6 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	3.14E+07	2.57E+07	7.24E+07	8.95E+07	1.17E+08	1.27E+08	1.40E+08	2.28E-03	605
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	3.45E+07	2.97E+07	7.76E+07	9.60E+07	1.25E+08	1.39E+08	1.56E+08	2.28E-03	605
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	4.65E+04	3.51E+04	1.04E+05	1.29E+05	2.18E+05	3.00E+05	4.57E+05	3.23E-04	81
Total Center Ground Conc. (Bq/m2)	1.0000	1.05E+07	8.56E+06	2.25E+07	2.81E+07	4.64E+07	7.00E+07	9.34E+07	3.23E-04	81
Ground-Level Dilution, X/Q (s/m3)	1.0000	4.68E-06	3.76E-06	1.05E-05	1.26E-05	1.92E-05	****	2.12E-05	7.42E-03	201
Cs-137 Adjusted Source, Q (Bq)	1.0000	7.53E+12	7.08E+12	7.26E+12	7.34E+12	7.53E+12	7.62E+12	7.80E+12	1.15E-03	849
Plume Sigma-y (m)	1.0000	5.43E+02	4.47E+02	****	****	****	****	1.25E+03	1.30E-01	2
Plume Sigma-z (m)	1.0000	4.84E+02	9.49E+01	2.04E+03	2.13E+03	2.34E+03	2.44E+03	2.65E+03	1.25E-03	50
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	9.59E+04	7.66E+04	9.43E+04	1.01E+05	****	****	1.03E+05	3.04E-02	110

Source Term 1: Plume 1, at 5.6-8.1 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	2.22E+07	1.81E+07	5.08E+07	6.65E+07	8.09E+07	8.66E+07	1.00E+08	1.14E-03	309
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	2.42E+07	2.02E+07	5.58E+07	7.23E+07	1.00E+08	1.03E+08	1.10E+08	1.14E-03	309
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	3.28E+04	2.45E+04	7.69E+04	1.01E+05	1.59E+05	1.93E+05	3.37E+05	3.71E-04	279
Total Center Ground Conc. (Bq/m2)	1.0000	7.24E+06	5.88E+06	1.59E+07	2.10E+07	3.27E+07	4.06E+07	6.93E+07	3.71E-04	279
Ground-Level Dilution, X/Q (s/m3)	1.0000	3.34E-06	2.63E-06	7.65E-06	1.01E-05	1.25E-05	1.38E-05	1.53E-05	2.28E-03	357
Cs-137 Adjusted Source, Q (Bq)	1.0000	7.46E+12	7.07E+12	7.26E+12	7.34E+12	7.53E+12	7.61E+12	7.80E+12	1.15E-03	849
Plume Sigma-y (m)	1.0000	6.85E+02	4.72E+02	1.12E+03	1.35E+03	****	****	1.57E+03	2.80E-02	3
Plume Sigma-z (m)	1.0000	6.59E+02	9.70E+01	3.04E+03	3.13E+03	3.37E+03	3.48E+03	3.73E+03	1.14E-03	100
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	9.69E+04	7.91E+04	1.01E+05	1.03E+05	****	****	1.06E+05	2.02E-02	110

Source Term 1: Plume 1, at 8.1-11.3 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	1.36E+07	1.05E+07	3.12E+07	3.89E+07	5.34E+07	5.65E+07	6.37E+07	1.13E-03	696
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	1.45E+07	1.08E+07	3.38E+07	4.44E+07	5.62E+07	5.98E+07	6.83E+07	1.13E-03	696
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.99E+04	1.34E+04	4.45E+04	6.00E+04	1.03E+05	1.17E+05	1.93E+05	3.23E-04	81
Total Center Ground Conc. (Bq/m2)	1.0000	4.24E+06	3.28E+06	9.18E+06	1.17E+07	2.01E+07	2.36E+07	3.93E+07	3.23E-04	81
Ground-Level Dilution, X/Q (s/m3)	1.0000	2.05E-06	1.39E-06	4.82E-06	6.38E-06	8.45E-06	9.30E-06	9.79E-06	3.42E-03	305
Cs-137 Adjusted Source, Q (Bq)	1.0000	7.36E+12	7.06E+12	7.25E+12	7.33E+12	7.52E+12	7.61E+12	7.79E+12	1.15E-03	849
Plume Sigma-y (m)	1.0000	9.28E+02	6.79E+02	****	****	****	****	2.12E+03	1.08E-01	2
Plume Sigma-z (m)	1.0000	9.85E+02	1.08E+02	5.03E+03	5.13E+03	5.39E+03	5.50E+03	5.75E+03	1.14E-03	929
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	9.87E+04	8.53E+04	1.04E+05	1.06E+05	****	****	1.12E+05	1.14E-02	110

Source Term 1: Plume 1, at 11.3-16.1 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	7.84E+06	5.64E+06	1.78E+07	2.32E+07	3.24E+07	3.46E+07	3.98E+07	1.14E-03	937
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	8.25E+06	5.86E+06	1.88E+07	2.44E+07	3.33E+07	3.58E+07	4.18E+07	1.14E-03	937
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	1.14E+04	7.65E+03	2.60E+04	3.40E+04	5.71E+04	6.95E+04	1.64E+05	1.14E-04	327
Total Center Ground Conc. (Bq/m2)	1.0000	2.32E+06	1.67E+06	5.23E+06	7.01E+06	1.09E+07	1.26E+07	3.09E+07	1.14E-04	327
Ground-Level Dilution, X/Q (s/m3)	1.0000	1.19E-06	8.13E-07	2.78E-06	3.57E-06	5.24E-06	5.51E-06	6.13E-06	1.14E-03	438
Cs-137 Adjusted Source, Q (Bq)	1.0000	7.25E+12	7.05E+12	7.24E+12	7.32E+12	7.51E+12	7.60E+12	7.79E+12	1.15E-03	849
Plume Sigma-y (m)	1.0000	1.26E+03	9.73E+02	2.64E+03	****	****	****	2.87E+03	8.83E-02	2
Plume Sigma-z (m)	1.0000	1.48E+03	2.00E+02	7.05E+03	7.47E+03	8.55E+03	****	8.93E+03	5.93E-03	183
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	1.01E+05	1.00E+05	1.06E+05	1.09E+05	1.16E+05	1.19E+05	1.20E+05	4.54E-03	314

Source Term 1: Plume 1, at 64.4-80.5 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	3.29E+05	2.17E+05	7.34E+05	9.26E+05	1.40E+06	1.65E+06	2.16E+06	1.15E-03	591
Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	3.30E+05	2.17E+05	7.35E+05	9.34E+05	1.40E+06	1.66E+06	2.21E+06	1.13E-03	516
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	7.01E+02	2.97E+02	1.44E+03	2.56E+03	6.14E+03	7.92E+03	1.51E+04	1.13E-03	120
Total Center Ground Conc. (Bq/m2)	1.0000	1.01E+05	4.73E+04	2.06E+05	3.52E+05	8.46E+05	1.09E+06	1.91E+06	1.13E-03	120
Ground-Level Dilution, X/Q (s/m3)	1.0000	5.39E-08	3.36E-08	1.17E-07	1.52E-07	2.40E-07	2.77E-07	4.59E-07	1.13E-03	516
Cs-137 Adjusted Source, Q (Bq)	1.0000	6.50E+12	6.31E+12	7.16E+12	7.24E+12	7.44E+12	7.52E+12	7.71E+12	1.14E-03	800
Plume Sigma-y (m)	1.0000	5.75E+03	5.18E+03	8.57E+03	1.00E+04	****	****	1.21E+04	1.20E-02	382
Plume Sigma-z (m)	1.0000	8.09E+03	1.72E+03	2.49E+04	3.11E+04	3.71E+04	4.01E+04	4.73E+04	1.14E-03	916
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	1.34E+05	1.07E+05	1.27E+05	1.36E+05	1.60E+05	1.72E+05	2.08E+05	1.13E-03	516

Source Term 1: Plume 1, at 113-161 km

Cs-137 Center Air Conc. (Bq-s/m3)	1.0000	1.17E+05	9.32E+04	2.17E+05	2.86E+05	4.35E+05	5.05E+05	5.63E+05	1.15E-03	521

Cs-137 Ground Air Conc. (Bq-s/m3)	1.0000	1.17E+05	9.32E+04	2.17E+05	2.86E+05	4.35E+05	5.05E+05	5.64E+05	1.15E-03	521
Cs-137 Center Ground Conc. (Bq/m2)	1.0000	3.23E+02	1.28E+02	6.87E+02	1.48E+03	2.93E+03	3.47E+03	4.93E+03	1.13E-03	320
Total Center Ground Conc. (Bq/m2)	1.0000	3.85E+04	1.71E+04	8.15E+04	1.82E+05	3.27E+05	3.74E+05	5.45E+05	1.13E-03	320
Ground-Level Dilution, X/Q (s/m3)	1.0000	2.03E-08	1.48E-08	3.73E-08	4.87E-08	8.07E-08	9.26E-08	1.03E-07	1.15E-03	521
Cs-137 Adjusted Source, Q (Bq)	1.0000	6.01E+12	5.75E+12	7.10E+12	7.18E+12	7.36E+12	7.44E+12	7.61E+12	1.14E-03	800
Plume Sigma-y (m)	1.0000	9.97E+03	9.10E+03	1.27E+04	1.44E+04	1.90E+04	****	2.10E+04	7.44E-03	382
Plume Sigma-z (m)	1.0000	1.09E+04	3.76E+03	3.07E+04	3.31E+04	3.95E+04	4.26E+04	5.19E+04	1.14E-03	258
Plume Height (m)	1.0000	4.29E+01	3.48E+01	4.93E+01	7.01E+01	8.67E+01	9.50E+01	1.09E+02	3.40E-03	315
Plume Arrival Time (s)	1.0000	1.68E+05	1.29E+05	2.07E+05	2.18E+05	2.46E+05	2.60E+05	2.76E+05	2.28E-03	513

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input
"CHRONC" DESCRIPTION = Peach Bottom with no Food-Chain Modeling

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

OVERALL RESULTS OBTAINED BY COMBINING 6 EMERGENCY RESPONSE COHORTS FROM "EARLY" WITH THE WEIGHTING FRACTIONS BELOW APPLIED TO THEM:

	FRACTION OF THE PEOPLE

COHORT 1 = Group 1	0.200
COHORT 2 = Group 2	0.355
COHORT 3 = Group 3	0.372
COHORT 4 = Group 4	0.006
COHORT 5 = Group 5	0.062
COHORT 6 = Group 6	0.005

AND THEN MERGING THE 6 RESULTS ABOVE WITH THE SINGLE SET OF RESULTS FROM "CHRONC" DESCRIBED BELOW:

COHORT 7 = Peach Bottom with no Food-Chain Modeling

RESULTS WHICH ARE PRODUCED ONLY BY "EARLY" OR ONLY BY "CHRONC" ARE PRESENTED IN LATER SECTIONS.

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	1.0000	9.74E+00	8.99E+00	1.38E+01	1.62E+01	2.10E+01	2.20E+01	2.45E+01	1.12E-03	607
CAN FAT/TOTAL	0-32.2 km	1.0000	6.27E+01	5.27E+01	1.06E+02	1.17E+02	1.47E+02	1.62E+02	2.13E+02	1.13E-03	379
CAN FAT/TOTAL	0-48.3 km	1.0000	1.33E+02	1.08E+02	2.37E+02	2.83E+02	3.66E+02	4.04E+02	5.21E+02	1.13E-03	379
CAN FAT/TOTAL	0-64.4 km	1.0000	2.20E+02	1.79E+02	3.92E+02	4.96E+02	7.95E+02	9.74E+02	1.47E+03	1.13E-03	379
CAN FAT/TOTAL	0-80.5 km	1.0000	2.89E+02	2.37E+02	5.25E+02	6.87E+02	1.11E+03	1.31E+03	1.86E+03	1.13E-03	379
CAN FAT/TOTAL	0-161 km	1.0000	5.58E+02	4.32E+02	1.05E+03	1.42E+03	2.24E+03	2.46E+03	3.61E+03	1.14E-03	884
CAN FAT/TOTAL	0-322 km	1.0000	9.27E+02	6.48E+02	1.83E+03	2.48E+03	4.60E+03	6.64E+03	1.22E+04	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	1.29E+03	1.01E+03	2.50E+03	3.14E+03	4.88E+03	7.38E+03	1.23E+04	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	1.0000	1.38E-01	1.16E-01	2.14E-01	2.39E-01	3.08E-01	3.45E-01	4.39E-01	1.14E-03	387
CAN FAT/THYROID	0-32.2 km	1.0000	1.35E+00	1.11E+00	2.27E+00	2.97E+00	4.69E+00	5.14E+00	5.63E+00	1.13E-03	132
CAN FAT/THYROID	0-48.3 km	1.0000	2.67E+00	2.33E+00	4.39E+00	5.59E+00	7.83E+00	8.44E+00	9.92E+00	1.14E-03	555
CAN FAT/THYROID	0-64.4 km	1.0000	4.07E+00	3.56E+00	6.97E+00	8.09E+00	1.08E+01	1.17E+01	1.41E+01	1.14E-03	310
CAN FAT/THYROID	0-80.5 km	1.0000	5.19E+00	4.84E+00	8.75E+00	1.03E+01	1.31E+01	1.45E+01	1.80E+01	1.14E-03	310
CAN FAT/THYROID	0-161 km	1.0000	1.02E+01	9.36E+00	1.61E+01	1.99E+01	2.62E+01	2.95E+01	3.60E+01	1.13E-03	153
CAN FAT/THYROID	0-322 km	1.0000	1.71E+01	1.38E+01	3.07E+01	3.69E+01	5.68E+01	6.84E+01	1.16E+02	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	3.10E+01	2.13E+01	7.08E+01	8.42E+01	1.16E+02	1.30E+02	1.66E+02	1.13E-03	859
CAN FAT/BREAST	0-16.1 km	1.0000	8.37E-01	7.67E-01	1.18E+00	1.33E+00	1.76E+00	1.98E+00	2.12E+00	1.14E-03	119
CAN FAT/BREAST	0-32.2 km	1.0000	5.26E+00	4.32E+00	9.78E+00	1.10E+01	1.41E+01	1.57E+01	1.98E+01	1.13E-03	379
CAN FAT/BREAST	0-48.3 km	1.0000	1.13E+01	9.58E+00	2.08E+01	2.42E+01	3.34E+01	3.77E+01	4.87E+01	1.13E-03	379
CAN FAT/BREAST	0-64.4 km	1.0000	1.89E+01	1.46E+01	3.37E+01	4.38E+01	7.25E+01	8.43E+01	1.39E+02	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	2.50E+01	2.03E+01	4.57E+01	6.32E+01	1.04E+02	1.23E+02	1.75E+02	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	4.83E+01	3.61E+01	9.40E+01	1.26E+02	2.15E+02	2.39E+02	3.44E+02	1.14E-03	884
CAN FAT/BREAST	0-322 km	1.0000	8.03E+01	5.48E+01	1.62E+02	2.26E+02	4.29E+02	5.83E+02	1.15E+03	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	1.12E+02	9.18E+01	2.17E+02	2.75E+02	4.47E+02	5.83E+02	1.16E+03	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)											
ERL FAT/TOTAL RISK > 0.000		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION EXCEEDING DOSE											
EARLY dose A-RED MARR > 2.32 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)											
L-ICRP60ED TOT LIF	0-16.1 km	1.0000	2.03E+02	1.83E+02	3.05E+02	3.42E+02	4.44E+02	4.97E+02	5.36E+02	1.14E-03	119
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	5.80E+03	4.92E+03	1.03E+04	1.30E+04	2.12E+04	2.37E+04	3.61E+04	1.13E-03	379
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.13E+04	9.02E+03	2.08E+04	2.91E+04	4.21E+04	4.90E+04	6.95E+04	1.14E-03	884
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.81E+04	2.28E+04	5.36E+04	6.55E+04	9.78E+04	1.22E+05	2.39E+05	1.15E-03	575

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION WEIGHTED RISK											
CAN FAT/TOTAL	0-16.1 km	1.0000	1.56E-04	1.30E-04	2.31E-04	2.61E-04	3.27E-04	3.51E-04	4.07E-04	1.14E-03	886
CAN FAT/TOTAL	0-32.2 km	1.0000	1.16E-04	9.65E-05	2.13E-04	2.45E-04	3.26E-04	3.58E-04	4.37E-04	1.13E-03	379
CAN FAT/TOTAL	0-48.3 km	1.0000	8.42E-05	7.11E-05	1.43E-04	1.77E-04	2.48E-04	2.81E-04	3.55E-04	1.13E-03	379
CAN FAT/TOTAL	0-64.4 km	1.0000	5.70E-05	4.62E-05	1.03E-04	1.30E-04	2.16E-04	2.52E-04	4.11E-04	1.13E-03	379
CAN FAT/TOTAL	0-80.5 km	1.0000	4.76E-05	3.76E-05	8.69E-05	1.11E-04	1.94E-04	2.25E-04	3.26E-04	1.13E-03	379
CAN FAT/TOTAL	0-161 km	1.0000	2.61E-05	2.04E-05	4.98E-05	7.33E-05	1.19E-04	1.37E-04	1.87E-04	1.14E-03	884
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											
L-ICRP60ED	0-0.2 km	1.0000	6.96E-02	7.01E-02	7.19E-02	7.26E-02	7.44E-02	7.52E-02	7.69E-02	1.14E-03	345
L-ICRP60ED	0.2-0.5 km	1.0000	5.91E-02	5.35E-02	6.88E-02	7.04E-02	7.17E-02	7.22E-02	7.34E-02	1.12E-03	335
L-ICRP60ED	0.5-1.2 km	1.0000	4.77E-02	4.32E-02	5.57E-02	5.89E-02	6.71E-02	7.01E-02	7.10E-02	1.14E-03	84
L-ICRP60ED	1.2-1.6 km	1.0000	4.15E-02	3.63E-02	5.21E-02	5.45E-02	6.06E-02	6.35E-02	7.09E-02	1.13E-03	606
L-ICRP60ED	1.6-2.1 km	1.0000	3.85E-02	3.43E-02	5.08E-02	5.34E-02	5.99E-02	6.29E-02	7.10E-02	1.12E-03	607
L-ICRP60ED	2.1-3.2 km	1.0000	3.54E-02	3.29E-02	4.89E-02	5.23E-02	5.92E-02	6.23E-02	6.98E-02	1.13E-03	441
L-ICRP60ED	3.2-4.0 km	1.0000	3.32E-02	3.16E-02	4.60E-02	5.13E-02	5.83E-02	6.16E-02	6.93E-02	1.12E-03	607
L-ICRP60ED	4.0-4.8 km	1.0000	3.20E-02	3.08E-02	4.29E-02	4.95E-02	5.69E-02	6.03E-02	6.81E-02	1.14E-03	578
L-ICRP60ED	4.8-5.6 km	1.0000	3.11E-02	3.05E-02	4.16E-02	4.75E-02	5.54E-02	5.84E-02	6.54E-02	1.14E-03	578
L-ICRP60ED	5.6-8.1 km	1.0000	2.94E-02	2.80E-02	3.74E-02	4.15E-02	5.13E-02	5.40E-02	6.01E-02	1.14E-03	578
L-ICRP60ED	8.1-11.3 km	1.0000	2.78E-02	2.59E-02	3.45E-02	3.72E-02	4.44E-02	4.79E-02	5.72E-02	1.14E-03	853
L-ICRP60ED	11.3-16.1 km	1.0000	2.54E-02	2.34E-02	3.25E-02	3.47E-02	4.05E-02	4.34E-02	5.26E-02	1.14E-03	295
L-ICRP60ED	16.1-20.9 km	1.0000	3.66E-02	3.32E-02	5.20E-02	5.60E-02	6.64E-02	7.15E-02	8.43E-02	1.13E-03	516
L-ICRP60ED	20.9-25.8 km	1.0000	3.13E-02	3.04E-02	4.37E-02	5.04E-02	5.80E-02	6.15E-02	8.26E-02	1.13E-03	314
L-ICRP60ED	25.8-32.2 km	1.0000	2.66E-02	2.56E-02	3.82E-02	4.31E-02	5.61E-02	6.22E-02	7.41E-02	1.13E-03	516
L-ICRP60ED	32.2-40.2 km	1.0000	2.25E-02	2.19E-02	3.40E-02	3.73E-02	4.63E-02	5.13E-02	8.03E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	1.82E-02	1.73E-02	3.09E-02	3.37E-02	4.14E-02	4.52E-02	5.84E-02	1.13E-03	516
L-ICRP60ED	48.3-64.4 km	1.0000	1.37E-02	1.10E-02	2.49E-02	2.92E-02	3.42E-02	3.64E-02	4.14E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	1.02E-02	7.57E-03	2.12E-02	2.34E-02	2.93E-02	3.12E-02	3.48E-02	1.13E-03	285
L-ICRP60ED	80.5-113 km	1.0000	7.13E-03	4.45E-03	1.68E-02	2.08E-02	2.43E-02	2.60E-02	3.49E-02	1.15E-03	462
L-ICRP60ED	113-161 km	1.0000	4.68E-03	2.73E-03	1.05E-02	1.75E-02	2.44E-02	2.69E-02	3.14E-02	1.14E-03	458
L-ICRP60ED	161-241 km	1.0000	3.03E-03	1.64E-03	6.72E-03	1.10E-02	1.86E-02	2.14E-02	2.63E-02	1.14E-03	318
L-ICRP60ED	241-322 km	1.0000	1.98E-03	1.06E-03	4.77E-03	7.68E-03	1.25E-02	1.47E-02	2.22E-02	1.14E-04	275
L-ICRP60ED	322-563 km	1.0000	1.15E-03	6.54E-04	2.80E-03	3.50E-03	5.55E-03	7.08E-03	9.71E-03	3.11E-03	312
L-ICRP60ED	563-805 km	1.0000	1.14E-03	5.40E-04	2.76E-03	3.35E-03	4.79E-03	7.08E-03	8.03E-03	1.15E-03	330
L-ICRP60ED	805-1609 km	1.0000	1.93E-04	4.22E-05	5.79E-04	7.31E-04	9.79E-04	1.09E-03	1.43E-03	8.56E-04	786
A-RED MARR	0-0.2 km	1.0000	3.67E-04	3.28E-04	5.26E-04	5.85E-04	7.36E-04	7.97E-04	9.46E-04	1.14E-03	514
A-RED MARR	0.2-0.5 km	1.0000	1.93E-04	1.63E-04	3.02E-04	3.41E-04	4.53E-04	5.08E-04	6.12E-04	1.14E-03	514
A-RED MARR	0.5-1.2 km	1.0000	1.18E-04	1.01E-04	2.05E-04	2.46E-04	3.46E-04	3.89E-04	4.98E-04	1.14E-03	513
A-RED MARR	1.2-1.6 km	1.0000	8.50E-05	6.85E-05	1.51E-04	2.01E-04	2.85E-04	3.22E-04	4.06E-04	1.14E-03	513
A-RED MARR	1.6-2.1 km	1.0000	6.89E-05	5.30E-05	1.21E-04	1.59E-04	2.28E-04	2.49E-04	3.49E-04	1.14E-03	513
A-RED MARR	2.1-3.2 km	1.0000	5.43E-05	4.05E-05	1.03E-04	1.20E-04	1.69E-04	1.96E-04	2.49E-04	1.14E-03	518
A-RED MARR	3.2-4.0 km	1.0000	4.22E-05	3.10E-05	8.30E-05	1.05E-04	1.37E-04	1.54E-04	1.98E-04	1.14E-03	518
A-RED MARR	4.0-4.8 km	1.0000	3.65E-05	2.65E-05	7.38E-05	9.51E-05	1.15E-04	1.24E-04	1.43E-04	1.14E-03	127
A-RED MARR	4.8-5.6 km	1.0000	3.22E-05	2.41E-05	6.24E-05	7.71E-05	1.05E-04	1.12E-04	1.32E-04	8.56E-04	786

A-RED MARR	5.6-8.1 km	1.0000	2.63E-05	2.08E-05	5.06E-05	6.12E-05	8.16E-05	8.98E-05	1.14E-04	1.14E-03	289
A-RED MARR	8.1-11.3 km	1.0000	1.92E-05	1.43E-05	3.38E-05	4.27E-05	6.11E-05	6.89E-05	8.99E-05	1.14E-03	127
A-RED MARR	11.3-16.1 km	1.0000	1.48E-05	1.20E-05	2.48E-05	3.01E-05	4.38E-05	5.12E-05	6.69E-05	1.14E-03	315
A-RED MARR	16.1-20.9 km	1.0000	2.36E-03	2.17E-03	3.68E-03	4.14E-03	5.55E-03	6.44E-03	8.58E-03	1.14E-03	315
A-RED MARR	20.9-25.8 km	1.0000	1.94E-03	1.62E-03	3.29E-03	3.61E-03	4.49E-03	4.93E-03	7.94E-03	1.13E-03	314
A-RED MARR	25.8-32.2 km	1.0000	1.56E-03	1.25E-03	2.84E-03	3.23E-03	4.05E-03	4.47E-03	8.18E-03	1.13E-03	314
A-RED MARR	32.2-40.2 km	1.0000	1.52E-03	1.23E-03	2.73E-03	3.24E-03	4.33E-03	4.91E-03	7.49E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	1.22E-03	1.08E-03	2.20E-03	2.78E-03	3.84E-03	4.34E-03	5.23E-03	1.13E-03	320
A-RED MARR	48.3-64.4 km	1.0000	9.90E-04	8.32E-04	1.92E-03	2.52E-03	3.39E-03	3.65E-03	4.28E-03	1.14E-03	515
A-RED MARR	64.4-80.5 km	1.0000	8.12E-04	5.32E-04	1.86E-03	2.46E-03	3.22E-03	3.38E-03	4.02E-03	3.71E-04	89
A-RED MARR	80.5-113 km	1.0000	5.70E-04	3.40E-04	1.27E-03	2.06E-03	3.16E-03	3.38E-03	3.88E-03	1.14E-03	71
A-RED MARR	113-161 km	1.0000	3.44E-04	2.01E-04	6.92E-04	1.15E-03	2.19E-03	2.42E-03	3.13E-03	1.14E-03	461
A-RED MARR	161-241 km	1.0000	1.89E-04	1.18E-04	4.00E-04	6.00E-04	1.17E-03	1.47E-03	2.25E-03	8.56E-04	456
A-RED MARR	241-322 km	1.0000	1.13E-04	7.45E-05	2.36E-04	3.50E-04	6.32E-04	7.50E-04	1.22E-03	1.14E-03	315
A-RED MARR	322-563 km	1.0000	5.49E-05	4.04E-05	1.08E-04	1.31E-04	2.02E-04	2.52E-04	4.15E-04	1.11E-03	312
A-RED MARR	563-805 km	1.0000	3.98E-05	2.46E-05	8.85E-05	1.09E-04	1.71E-04	2.03E-04	2.39E-04	1.14E-03	332
A-RED MARR	805-1609 km	1.0000	6.56E-06	2.10E-06	1.65E-05	2.14E-05	3.11E-05	3.49E-05	4.44E-05	1.15E-03	787

	PROB		QUANTILES					PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	
GROUND CONC. (Bq/m2)											
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 3.70E+04 Bq/m2	1.0000	8.92E+05	5.02E+05	2.24E+06	2.86E+06	3.64E+06	3.99E+06	4.84E+06	1.15E-03	178	
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 1.85E+05 Bq/m2	1.0000	1.04E+05	5.47E+04	2.83E+05	3.87E+05	6.17E+05	7.06E+05	8.07E+05	1.15E-03	457	
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 5.55E+05 Bq/m2	1.0000	2.80E+04	1.33E+04	7.58E+04	1.16E+05	2.06E+05	2.32E+05	3.10E+05	1.12E-03	83	
AREA (ha) THAT EXCEEDS THRESHOLD											
Cs-137 Area exceeds 1.48E+06 Bq/m2	1.0000	7.43E+03	3.29E+03	1.79E+04	3.26E+04	5.84E+04	6.99E+04	1.17E+05	1.14E-03	84	

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

COHORT 1 = Group 1

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-48.3 km	1.0000	1.01E+01	8.36E+00	1.98E+01	2.35E+01	3.29E+01	3.65E+01	4.57E+01	1.14E-03	520
CAN FAT/TOTAL	0-64.4 km	1.0000	2.16E+01	1.74E+01	4.04E+01	5.10E+01	7.62E+01	8.66E+01	1.33E+02	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	2.97E+01	2.48E+01	5.62E+01	6.78E+01	9.80E+01	1.17E+02	1.70E+02	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	5.98E+01	4.53E+01	1.17E+02	1.46E+02	2.27E+02	2.58E+02	3.47E+02	1.13E-03	116
CAN FAT/TOTAL	0-322 km	1.0000	9.15E+01	5.99E+01	2.01E+02	2.72E+02	4.49E+02	5.84E+02	9.13E+02	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	1.02E+02	7.22E+01	2.14E+02	2.89E+02	4.87E+02	6.16E+02	9.17E+02	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/THYROID	0-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/THYROID	0-48.3 km	1.0000	3.40E-01	2.55E-01	6.78E-01	9.26E-01	1.32E+00	1.50E+00	2.16E+00	1.13E-03	516
CAN FAT/THYROID	0-64.4 km	1.0000	6.90E-01	5.31E-01	1.30E+00	1.61E+00	2.49E+00	2.93E+00	3.76E+00	1.14E-03	310
CAN FAT/THYROID	0-80.5 km	1.0000	9.18E-01	7.27E-01	1.69E+00	2.17E+00	3.28E+00	3.73E+00	4.93E+00	1.14E-03	310
CAN FAT/THYROID	0-161 km	1.0000	1.76E+00	1.28E+00	3.45E+00	4.32E+00	7.02E+00	7.73E+00	9.50E+00	1.15E-03	575
CAN FAT/THYROID	0-322 km	1.0000	2.64E+00	1.64E+00	5.89E+00	7.99E+00	1.32E+01	1.60E+01	2.35E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	2.92E+00	2.04E+00	6.21E+00	8.31E+00	1.34E+01	1.62E+01	2.36E+01	1.15E-03	575
CAN FAT/BREAST	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/BREAST	0-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/BREAST	0-48.3 km	1.0000	4.40E-01	3.59E-01	8.12E-01	9.70E-01	1.42E+00	1.66E+00	2.40E+00	1.15E-03	380
CAN FAT/BREAST	0-64.4 km	1.0000	1.02E+00	8.17E-01	1.87E+00	2.43E+00	4.00E+00	4.87E+00	8.74E+00	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	1.45E+00	1.13E+00	2.88E+00	3.59E+00	5.54E+00	6.44E+00	1.06E+01	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	3.11E+00	2.34E+00	6.09E+00	8.15E+00	1.36E+01	1.63E+01	2.98E+01	1.13E-03	116
CAN FAT/BREAST	0-322 km	1.0000	4.87E+00	3.25E+00	1.06E+01	1.39E+01	2.70E+01	3.39E+01	5.38E+01	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	5.62E+00	4.00E+00	1.11E+01	1.47E+01	2.88E+01	3.48E+01	5.40E+01	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES				PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)										
ERL FAT/TOTAL RISK > 0.000	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES				PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION EXCEEDING DOSE										
EARLY dose A-RED MARR > 2.32 Sv	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES				PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)										
L-ICRP60ED TOT LIF	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	5.71E+02	4.78E+02	1.07E+03	1.27E+03	1.89E+03	2.21E+03	3.26E+03	1.14E-03	310
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.15E+03	8.68E+02	2.28E+03	2.88E+03	4.35E+03	5.12E+03	6.69E+03	1.13E-03	116
L-ICRP60ED TOT LIF	0-1609 km	1.0000	1.98E+03	1.33E+03	4.11E+03	5.62E+03	9.11E+03	1.11E+04	1.76E+04	1.15E-03	575

	PROB		QUANTILES				PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION WEIGHTED RISK										
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-48.3 km	1.0000	7.36E-06	6.07E-06	1.37E-05	1.72E-05	2.39E-05	2.66E-05	3.32E-05	1.14E-03	520
CAN FAT/TOTAL	0-64.4 km	1.0000	6.31E-06	5.23E-06	1.18E-05	1.44E-05	2.20E-05	2.55E-05	3.86E-05	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	5.50E-06	4.51E-06	1.04E-05	1.21E-05	1.69E-05	1.96E-05	3.14E-05	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	3.20E-06	2.44E-06	6.62E-06	8.19E-06	1.19E-05	1.37E-05	1.86E-05	1.13E-03	116
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											
L-ICRP60ED	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	16.1-20.9 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	20.9-25.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	25.8-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	32.2-40.2 km	1.0000	5.41E-03	3.91E-03	1.07E-02	1.30E-02	2.02E-02	2.29E-02	4.03E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	3.83E-03	3.11E-03	7.44E-03	9.11E-03	1.38E-02	1.64E-02	2.95E-02	1.13E-03	516
L-ICRP60ED	48.3-64.4 km	1.0000	2.58E-03	2.12E-03	4.37E-03	5.21E-03	7.08E-03	9.60E-03	1.98E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	1.82E-03	1.32E-03	3.36E-03	3.77E-03	4.90E-03	5.49E-03	9.49E-03	1.14E-03	515
L-ICRP60ED	80.5-113 km	1.0000	1.17E-03	8.36E-04	2.47E-03	3.12E-03	3.81E-03	4.15E-03	4.98E-03	1.14E-03	215
L-ICRP60ED	113-161 km	1.0000	6.89E-04	4.94E-04	1.35E-03	1.84E-03	3.07E-03	3.28E-03	3.79E-03	1.14E-03	461
L-ICRP60ED	161-241 km	1.0000	3.87E-04	2.96E-04	7.55E-04	9.59E-04	1.56E-03	1.91E-03	2.82E-03	8.56E-04	456
L-ICRP60ED	241-322 km	1.0000	2.37E-04	1.83E-04	4.71E-04	6.05E-04	9.30E-04	1.10E-03	1.56E-03	1.14E-03	315
L-ICRP60ED	322-563 km	1.0000	1.15E-04	9.60E-05	2.14E-04	2.57E-04	4.01E-04	4.88E-04	5.71E-04	1.11E-03	312
L-ICRP60ED	563-805 km	1.0000	6.51E-05	5.24E-05	1.23E-04	1.49E-04	2.43E-04	3.03E-04	3.42E-04	1.14E-03	333
L-ICRP60ED	805-1609 km	1.0000	1.11E-05	3.30E-06	3.01E-05	3.62E-05	5.28E-05	5.80E-05	7.69E-05	1.14E-04	669
A-RED MARR	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

A-RED MARR	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	16.1-20.9 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	20.9-25.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	25.8-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	32.2-40.2 km	1.0000	1.60E-03	1.25E-03	2.92E-03	3.37E-03	4.54E-03	5.18E-03	7.51E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	1.30E-03	1.09E-03	2.33E-03	3.03E-03	4.09E-03	4.65E-03	6.04E-03	1.13E-03	516
A-RED MARR	48.3-64.4 km	1.0000	1.05E-03	8.41E-04	2.03E-03	2.76E-03	3.46E-03	3.70E-03	4.29E-03	1.14E-03	515
A-RED MARR	64.4-80.5 km	1.0000	8.59E-04	5.37E-04	1.95E-03	2.67E-03	3.49E-03	3.78E-03	4.46E-03	1.14E-03	156
A-RED MARR	80.5-113 km	1.0000	5.84E-04	3.41E-04	1.31E-03	2.09E-03	3.28E-03	3.55E-03	4.19E-03	1.13E-03	116
A-RED MARR	113-161 km	1.0000	3.45E-04	2.02E-04	7.08E-04	1.18E-03	2.21E-03	2.43E-03	3.14E-03	1.14E-03	461
A-RED MARR	161-241 km	1.0000	1.90E-04	1.18E-04	4.01E-04	6.00E-04	1.19E-03	1.49E-03	2.26E-03	8.56E-04	456
A-RED MARR	241-322 km	1.0000	1.14E-04	7.46E-05	2.36E-04	3.50E-04	6.55E-04	7.67E-04	1.22E-03	1.14E-03	315
A-RED MARR	322-563 km	1.0000	5.51E-05	4.05E-05	1.08E-04	1.31E-04	2.02E-04	2.52E-04	4.17E-04	1.11E-03	312
A-RED MARR	563-805 km	1.0000	3.99E-05	2.46E-05	8.90E-05	1.10E-04	1.71E-04	2.03E-04	2.40E-04	1.14E-03	332
A-RED MARR	805-1609 km	1.0000	6.59E-06	2.10E-06	1.66E-05	2.15E-05	3.11E-05	3.49E-05	4.46E-05	1.15E-03	787

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

COHORT 2 = Group 2

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	9.97E+00	7.78E+00	1.86E+01	2.43E+01	3.69E+01	4.25E+01	6.29E+01	1.12E-03	679
CAN FAT/TOTAL	0-48.3 km	1.0000	2.01E+01	1.63E+01	3.70E+01	4.82E+01	6.38E+01	7.16E+01	9.54E+01	1.12E-03	679
CAN FAT/TOTAL	0-64.4 km	1.0000	3.16E+01	2.65E+01	5.74E+01	7.01E+01	9.12E+01	1.03E+02	1.47E+02	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	3.97E+01	3.32E+01	7.24E+01	8.47E+01	1.19E+02	1.37E+02	1.84E+02	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	6.97E+01	5.71E+01	1.25E+02	1.56E+02	2.31E+02	2.61E+02	3.53E+02	1.13E-03	116
CAN FAT/TOTAL	0-322 km	1.0000	1.02E+02	7.11E+01	2.09E+02	2.80E+02	4.51E+02	5.84E+02	9.17E+02	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	1.12E+02	8.22E+01	2.23E+02	3.04E+02	5.20E+02	6.30E+02	9.21E+02	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/THYROID	0-32.2 km	1.0000	3.75E-01	2.74E-01	7.55E-01	1.03E+00	1.45E+00	1.68E+00	4.04E+00	1.12E-03	679
CAN FAT/THYROID	0-48.3 km	1.0000	7.15E-01	5.55E-01	1.36E+00	1.85E+00	2.75E+00	3.27E+00	5.54E+00	1.12E-03	679
CAN FAT/THYROID	0-64.4 km	1.0000	1.07E+00	8.52E-01	2.05E+00	2.43E+00	3.43E+00	3.86E+00	5.66E+00	1.12E-03	679
CAN FAT/THYROID	0-80.5 km	1.0000	1.29E+00	1.04E+00	2.41E+00	3.00E+00	4.07E+00	4.64E+00	5.86E+00	1.12E-03	679
CAN FAT/THYROID	0-161 km	1.0000	2.13E+00	1.65E+00	3.93E+00	4.93E+00	7.13E+00	7.87E+00	9.74E+00	1.13E-03	153
CAN FAT/THYROID	0-322 km	1.0000	3.01E+00	2.11E+00	6.21E+00	8.21E+00	1.33E+01	1.61E+01	2.37E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	3.29E+00	2.43E+00	6.58E+00	8.56E+00	1.37E+01	1.64E+01	2.38E+01	1.15E-03	575
CAN FAT/BREAST	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/BREAST	0-32.2 km	1.0000	3.71E-01	3.11E-01	6.79E-01	7.79E-01	1.02E+00	1.10E+00	1.63E+00	1.52E-04	87
CAN FAT/BREAST	0-48.3 km	1.0000	8.12E-01	7.01E-01	1.28E+00	1.52E+00	2.21E+00	2.57E+00	3.44E+00	1.15E-03	380
CAN FAT/BREAST	0-64.4 km	1.0000	1.39E+00	1.12E+00	2.41E+00	3.00E+00	4.69E+00	6.02E+00	9.74E+00	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	1.82E+00	1.42E+00	3.25E+00	4.08E+00	6.19E+00	7.36E+00	1.16E+01	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	3.48E+00	2.76E+00	6.48E+00	8.73E+00	1.38E+01	1.64E+01	3.01E+01	1.13E-03	116
CAN FAT/BREAST	0-322 km	1.0000	5.24E+00	3.60E+00	1.09E+01	1.41E+01	2.70E+01	3.39E+01	5.40E+01	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	5.99E+00	4.35E+00	1.15E+01	1.49E+01	2.88E+01	3.48E+01	5.42E+01	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB	QUANTILES					PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)										
ERL FAT/TOTAL RISK > 0.000	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION EXCEEDING DOSE											
EARLY dose A-RED MARR > 2.32 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)											
L-ICRP60ED TOT LIF	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	7.62E+02	6.58E+02	1.28E+03	1.53E+03	2.18E+03	2.42E+03	3.54E+03	1.14E-03	310
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.34E+03	1.09E+03	2.47E+03	3.08E+03	4.56E+03	5.27E+03	6.81E+03	1.13E-03	116
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.18E+03	1.54E+03	4.29E+03	5.80E+03	9.16E+03	1.11E+04	1.77E+04	1.15E-03	575

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION WEIGHTED RISK											
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	2.18E-05	1.63E-05	4.05E-05	5.30E-05	8.00E-05	8.87E-05	1.38E-04	1.12E-03	679
CAN FAT/TOTAL	0-48.3 km	1.0000	1.46E-05	1.15E-05	2.59E-05	3.17E-05	4.44E-05	5.12E-05	6.93E-05	1.12E-03	679
CAN FAT/TOTAL	0-64.4 km	1.0000	9.21E-06	7.75E-06	1.64E-05	2.05E-05	2.65E-05	2.96E-05	4.28E-05	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	7.34E-06	6.36E-06	1.24E-05	1.47E-05	2.13E-05	2.37E-05	3.41E-05	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	3.73E-06	3.07E-06	7.02E-06	8.59E-06	1.24E-05	1.41E-05	1.89E-05	1.13E-03	116
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											
L-ICRP60ED	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

L-ICRP60ED	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	16.1-20.9 km	1.0000	1.49E-02	1.19E-02	3.02E-02	3.31E-02	4.10E-02	4.50E-02	5.72E-02	1.14E-03	315
L-ICRP60ED	20.9-25.8 km	1.0000	1.11E-02	8.44E-03	2.26E-02	2.67E-02	3.57E-02	3.97E-02	5.19E-02	1.13E-03	314
L-ICRP60ED	25.8-32.2 km	1.0000	8.01E-03	5.51E-03	1.62E-02	2.14E-02	3.31E-02	3.77E-02	5.25E-02	1.13E-03	314
L-ICRP60ED	32.2-40.2 km	1.0000	5.41E-03	3.91E-03	1.07E-02	1.30E-02	2.02E-02	2.29E-02	4.03E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	3.83E-03	3.11E-03	7.44E-03	9.11E-03	1.38E-02	1.64E-02	2.95E-02	1.13E-03	516
L-ICRP60ED	48.3-64.4 km	1.0000	2.58E-03	2.12E-03	4.37E-03	5.21E-03	7.08E-03	9.60E-03	1.98E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	1.82E-03	1.32E-03	3.36E-03	3.77E-03	4.90E-03	5.49E-03	9.49E-03	1.14E-03	515
L-ICRP60ED	80.5-113 km	1.0000	1.17E-03	8.36E-04	2.47E-03	3.12E-03	3.81E-03	4.15E-03	4.98E-03	1.14E-03	215
L-ICRP60ED	113-161 km	1.0000	6.89E-04	4.94E-04	1.35E-03	1.84E-03	3.07E-03	3.28E-03	3.79E-03	1.14E-03	461
L-ICRP60ED	161-241 km	1.0000	3.87E-04	2.96E-04	7.55E-04	9.59E-04	1.56E-03	1.91E-03	2.82E-03	8.56E-04	456
L-ICRP60ED	241-322 km	1.0000	2.37E-04	1.83E-04	4.71E-04	6.05E-04	9.30E-04	1.10E-03	1.56E-03	1.14E-03	315
L-ICRP60ED	322-563 km	1.0000	1.15E-04	9.60E-05	2.14E-04	2.57E-04	4.01E-04	4.88E-04	5.71E-04	1.11E-03	312
L-ICRP60ED	563-805 km	1.0000	6.51E-05	5.24E-05	1.23E-04	1.49E-04	2.43E-04	3.03E-04	3.42E-04	1.14E-03	333
L-ICRP60ED	805-1609 km	1.0000	1.11E-05	3.30E-06	3.01E-05	3.62E-05	5.28E-05	5.80E-05	7.69E-05	1.14E-04	669
A-RED MARR	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	16.1-20.9 km	1.0000	3.38E-03	2.91E-03	5.97E-03	6.96E-03	8.14E-03	8.69E-03	1.08E-02	1.14E-03	315
A-RED MARR	20.9-25.8 km	1.0000	2.66E-03	2.16E-03	4.98E-03	5.64E-03	7.38E-03	8.12E-03	9.96E-03	1.13E-03	314
A-RED MARR	25.8-32.2 km	1.0000	2.09E-03	1.61E-03	3.65E-03	4.43E-03	7.13E-03	7.94E-03	1.03E-02	1.13E-03	314

A-RED MARR	32.2-40.2 km	1.0000	1.60E-03	1.25E-03	2.92E-03	3.37E-03	4.54E-03	5.18E-03	7.51E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	1.30E-03	1.09E-03	2.33E-03	3.03E-03	4.09E-03	4.65E-03	6.04E-03	1.13E-03	516
A-RED MARR	48.3-64.4 km	1.0000	1.05E-03	8.41E-04	2.03E-03	2.76E-03	3.46E-03	3.70E-03	4.29E-03	1.14E-03	515
A-RED MARR	64.4-80.5 km	1.0000	8.59E-04	5.37E-04	1.95E-03	2.67E-03	3.49E-03	3.78E-03	4.46E-03	1.14E-03	156
A-RED MARR	80.5-113 km	1.0000	5.84E-04	3.41E-04	1.31E-03	2.09E-03	3.28E-03	3.55E-03	4.19E-03	1.13E-03	116
A-RED MARR	113-161 km	1.0000	3.45E-04	2.02E-04	7.08E-04	1.18E-03	2.21E-03	2.43E-03	3.14E-03	1.14E-03	461
A-RED MARR	161-241 km	1.0000	1.90E-04	1.18E-04	4.01E-04	6.00E-04	1.19E-03	1.49E-03	2.26E-03	8.56E-04	456
A-RED MARR	241-322 km	1.0000	1.14E-04	7.46E-05	2.36E-04	3.50E-04	6.55E-04	7.67E-04	1.22E-03	1.14E-03	315
A-RED MARR	322-563 km	1.0000	5.51E-05	4.05E-05	1.08E-04	1.31E-04	2.02E-04	2.52E-04	4.17E-04	1.11E-03	312
A-RED MARR	563-805 km	1.0000	3.99E-05	2.46E-05	8.90E-05	1.10E-04	1.71E-04	2.03E-04	2.40E-04	1.14E-03	332
A-RED MARR	805-1609 km	1.0000	6.59E-06	2.10E-06	1.66E-05	2.15E-05	3.11E-05	3.49E-05	4.46E-05	1.15E-03	787

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

COHORT 3 = Group 3

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	1.01E+01	8.01E+00	1.91E+01	2.51E+01	3.57E+01	3.98E+01	5.23E+01	1.13E-03	132
CAN FAT/TOTAL	0-48.3 km	1.0000	2.06E+01	1.67E+01	3.72E+01	4.77E+01	7.09E+01	7.61E+01	8.83E+01	1.14E-03	555
CAN FAT/TOTAL	0-64.4 km	1.0000	3.24E+01	2.72E+01	6.05E+01	7.39E+01	9.84E+01	1.13E+02	1.54E+02	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	4.06E+01	3.41E+01	7.32E+01	8.48E+01	1.20E+02	1.40E+02	1.93E+02	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	7.19E+01	5.95E+01	1.29E+02	1.62E+02	2.27E+02	2.48E+02	3.25E+02	1.15E-03	575
CAN FAT/TOTAL	0-322 km	1.0000	1.05E+02	7.32E+01	2.18E+02	2.96E+02	4.70E+02	6.03E+02	9.60E+02	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	1.16E+02	8.55E+01	2.36E+02	3.18E+02	5.20E+02	6.30E+02	9.64E+02	1.15E-03	575

CAN FAT/THYROID	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/THYROID	0-32.2 km	1.0000	1.29E+00	8.73E-01	2.72E+00	3.84E+00	7.25E+00	7.79E+00	9.09E+00	1.13E-03	132
CAN FAT/THYROID	0-48.3 km	1.0000	2.37E+00	1.63E+00	4.70E+00	6.64E+00	1.09E+01	1.21E+01	1.50E+01	1.14E-03	653
CAN FAT/THYROID	0-64.4 km	1.0000	3.40E+00	2.54E+00	6.68E+00	8.64E+00	1.23E+01	1.38E+01	1.77E+01	1.13E-03	516
CAN FAT/THYROID	0-80.5 km	1.0000	4.06E+00	3.14E+00	7.85E+00	1.01E+01	1.30E+01	1.45E+01	1.83E+01	1.13E-03	516
CAN FAT/THYROID	0-161 km	1.0000	6.49E+00	5.21E+00	1.19E+01	1.41E+01	2.07E+01	2.31E+01	2.91E+01	1.13E-03	153
CAN FAT/THYROID	0-322 km	1.0000	9.03E+00	6.35E+00	1.85E+01	2.45E+01	4.03E+01	4.90E+01	6.76E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	9.84E+00	7.26E+00	1.98E+01	2.58E+01	4.10E+01	4.91E+01	6.79E+01	1.15E-03	575
CAN FAT/BREAST	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/BREAST	0-32.2 km	1.0000	3.36E-01	2.85E-01	6.02E-01	7.24E-01	9.64E-01	1.06E+00	1.60E+00	1.52E-04	87
CAN FAT/BREAST	0-48.3 km	1.0000	7.38E-01	6.34E-01	1.20E+00	1.38E+00	1.93E+00	2.24E+00	3.18E+00	1.15E-03	380
CAN FAT/BREAST	0-64.4 km	1.0000	1.28E+00	1.06E+00	2.22E+00	2.89E+00	4.68E+00	6.02E+00	8.96E+00	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	1.69E+00	1.32E+00	3.05E+00	3.71E+00	5.75E+00	6.84E+00	1.09E+01	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	3.32E+00	2.57E+00	6.18E+00	8.24E+00	1.27E+01	1.47E+01	2.05E+01	1.14E-03	885
CAN FAT/BREAST	0-322 km	1.0000	5.08E+00	3.48E+00	1.07E+01	1.39E+01	2.59E+01	3.28E+01	5.39E+01	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	5.83E+00	4.23E+00	1.13E+01	1.46E+01	2.73E+01	3.39E+01	5.41E+01	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES					PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)										
ERL FAT/TOTAL RISK > 0.000	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES					PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION EXCEEDING DOSE										
EARLY dose A-RED MARR > 2.32 Sv	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES					PEAK	PEAK	PEAK

		NON-ZERO MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)										
L-ICRP60ED TOT LIF	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	1.11E+03	9.45E+02	2.05E+03	2.38E+03	3.32E+03	3.78E+03	5.11E+03	1.14E-03 310
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.93E+03	1.49E+03	3.53E+03	4.33E+03	6.42E+03	7.29E+03	8.81E+03	1.15E-03 575
L-ICRP60ED TOT LIF	0-1609 km	1.0000	3.11E+03	2.29E+03	6.23E+03	8.44E+03	1.36E+04	1.63E+04	2.45E+04	1.15E-03 575

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION WEIGHTED RISK										
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	2.22E-05	1.66E-05	4.15E-05	5.47E-05	8.23E-05	9.33E-05	1.15E-04	1.13E-03 132
CAN FAT/TOTAL	0-48.3 km	1.0000	1.49E-05	1.16E-05	2.69E-05	3.34E-05	5.07E-05	5.47E-05	6.41E-05	1.14E-03 555
CAN FAT/TOTAL	0-64.4 km	1.0000	9.43E-06	7.93E-06	1.74E-05	2.11E-05	2.67E-05	2.96E-05	4.47E-05	1.14E-03 310
CAN FAT/TOTAL	0-80.5 km	1.0000	7.51E-06	6.47E-06	1.28E-05	1.54E-05	2.20E-05	2.43E-05	3.57E-05	1.14E-03 310
CAN FAT/TOTAL	0-161 km	1.0000	3.85E-06	3.14E-06	7.28E-06	8.82E-06	1.21E-05	1.36E-05	1.74E-05	1.15E-03 575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)										
L-ICRP60ED	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

L-ICRP60ED	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	16.1-20.9 km	1.0000	2.06E-02	2.00E-02	3.56E-02	3.97E-02	5.19E-02	6.29E-02	1.00E-01	1.14E-03	315
L-ICRP60ED	20.9-25.8 km	1.0000	1.62E-02	1.24E-02	3.17E-02	3.51E-02	4.45E-02	4.93E-02	8.98E-02	1.13E-03	314
L-ICRP60ED	25.8-32.2 km	1.0000	1.25E-02	9.04E-03	2.65E-02	3.16E-02	4.01E-02	4.45E-02	9.07E-02	1.13E-03	314
L-ICRP60ED	32.2-40.2 km	1.0000	8.63E-03	5.67E-03	1.83E-02	2.28E-02	3.32E-02	3.78E-02	6.99E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	5.92E-03	3.98E-03	1.19E-02	1.46E-02	2.23E-02	2.56E-02	3.87E-02	1.14E-03	515
L-ICRP60ED	48.3-64.4 km	1.0000	3.77E-03	3.06E-03	7.28E-03	8.88E-03	1.36E-02	1.63E-02	3.37E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	2.52E-03	1.91E-03	4.52E-03	5.56E-03	8.11E-03	9.28E-03	1.60E-02	1.14E-03	515
L-ICRP60ED	80.5-113 km	1.0000	1.63E-03	1.19E-03	3.17E-03	3.74E-03	5.35E-03	6.07E-03	8.00E-03	1.14E-03	518
L-ICRP60ED	113-161 km	1.0000	9.81E-04	7.38E-04	1.93E-03	2.52E-03	3.54E-03	3.91E-03	4.84E-03	1.14E-03	518
L-ICRP60ED	161-241 km	1.0000	5.54E-04	4.31E-04	1.04E-03	1.30E-03	2.10E-03	2.45E-03	3.22E-03	8.56E-04	456
L-ICRP60ED	241-322 km	1.0000	3.41E-04	2.81E-04	6.35E-04	7.99E-04	1.18E-03	1.35E-03	1.80E-03	1.14E-03	315
L-ICRP60ED	322-563 km	1.0000	1.66E-04	1.31E-04	3.04E-04	3.63E-04	5.42E-04	6.33E-04	8.63E-04	1.13E-03	671
L-ICRP60ED	563-805 km	1.0000	8.54E-05	7.34E-05	1.57E-04	2.00E-04	2.98E-04	3.32E-04	4.14E-04	1.14E-03	333
L-ICRP60ED	805-1609 km	1.0000	1.45E-05	4.03E-06	3.84E-05	4.88E-05	7.17E-05	7.55E-05	1.07E-04	1.14E-04	669
A-RED MARR	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	16.1-20.9 km	1.0000	2.61E-03	2.28E-03	4.33E-03	5.15E-03	6.51E-03	7.29E-03	1.08E-02	1.14E-03	315
A-RED MARR	20.9-25.8 km	1.0000	2.25E-03	1.93E-03	3.78E-03	4.44E-03	5.77E-03	6.31E-03	9.96E-03	1.13E-03	314
A-RED MARR	25.8-32.2 km	1.0000	1.84E-03	1.45E-03	3.30E-03	3.78E-03	5.17E-03	5.96E-03	1.03E-02	1.13E-03	314
A-RED MARR	32.2-40.2 km	1.0000	1.44E-03	1.15E-03	2.63E-03	3.16E-03	4.16E-03	4.68E-03	7.51E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	1.14E-03	9.79E-04	2.09E-03	2.54E-03	3.69E-03	4.25E-03	5.25E-03	1.13E-03	320
A-RED MARR	48.3-64.4 km	1.0000	9.16E-04	7.51E-04	1.81E-03	2.38E-03	3.35E-03	3.62E-03	4.29E-03	1.14E-03	515
A-RED MARR	64.4-80.5 km	1.0000	7.59E-04	5.28E-04	1.74E-03	2.27E-03	3.11E-03	3.26E-03	3.91E-03	3.23E-04	6
A-RED MARR	80.5-113 km	1.0000	5.57E-04	3.41E-04	1.17E-03	2.03E-03	3.14E-03	3.35E-03	3.85E-03	1.14E-03	85
A-RED MARR	113-161 km	1.0000	3.45E-04	2.02E-04	7.01E-04	1.17E-03	2.21E-03	2.43E-03	3.14E-03	1.14E-03	461
A-RED MARR	161-241 km	1.0000	1.90E-04	1.18E-04	4.01E-04	6.00E-04	1.19E-03	1.49E-03	2.26E-03	8.56E-04	456
A-RED MARR	241-322 km	1.0000	1.14E-04	7.46E-05	2.36E-04	3.50E-04	6.55E-04	7.67E-04	1.22E-03	1.14E-03	315
A-RED MARR	322-563 km	1.0000	5.51E-05	4.05E-05	1.08E-04	1.31E-04	2.02E-04	2.52E-04	4.17E-04	1.11E-03	312

A-RED MARR	563-805 km	1.0000	3.99E-05	2.46E-05	8.90E-05	1.10E-04	1.71E-04	2.03E-04	2.40E-04	1.14E-03	332
A-RED MARR	805-1609 km	1.0000	6.59E-06	2.10E-06	1.66E-05	2.15E-05	3.11E-05	3.49E-05	4.46E-05	1.15E-03	787

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

COHORT 4 = Group 4

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	7.16E+00	5.40E+00	1.38E+01	1.89E+01	3.15E+01	3.64E+01	5.09E+01	1.12E-03	679
CAN FAT/TOTAL	0-48.3 km	1.0000	1.40E+01	1.09E+01	2.53E+01	3.26E+01	5.21E+01	5.72E+01	7.64E+01	1.12E-03	679
CAN FAT/TOTAL	0-64.4 km	1.0000	2.12E+01	1.70E+01	3.89E+01	4.92E+01	6.55E+01	7.28E+01	8.79E+01	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	2.60E+01	2.19E+01	4.87E+01	5.69E+01	7.56E+01	8.27E+01	1.11E+02	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	4.39E+01	3.57E+01	8.16E+01	1.00E+02	1.34E+02	1.51E+02	1.96E+02	1.15E-03	575
CAN FAT/TOTAL	0-322 km	1.0000	6.27E+01	4.49E+01	1.23E+02	1.68E+02	2.83E+02	3.40E+02	5.08E+02	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	6.87E+01	5.11E+01	1.33E+02	1.81E+02	3.03E+02	3.55E+02	5.10E+02	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/THYROID	0-32.2 km	1.0000	9.51E-01	6.38E-01	2.00E+00	2.74E+00	5.19E+00	5.96E+00	1.10E+01	1.12E-03	679
CAN FAT/THYROID	0-48.3 km	1.0000	1.70E+00	1.19E+00	3.34E+00	4.69E+00	7.71E+00	8.69E+00	1.60E+01	1.12E-03	679
CAN FAT/THYROID	0-64.4 km	1.0000	2.44E+00	1.87E+00	4.70E+00	6.08E+00	8.67E+00	9.81E+00	1.62E+01	1.12E-03	679
CAN FAT/THYROID	0-80.5 km	1.0000	2.91E+00	2.27E+00	5.61E+00	7.06E+00	9.80E+00	1.16E+01	1.67E+01	1.12E-03	679
CAN FAT/THYROID	0-161 km	1.0000	4.63E+00	3.65E+00	8.73E+00	1.05E+01	1.47E+01	1.70E+01	2.09E+01	1.13E-03	153
CAN FAT/THYROID	0-322 km	1.0000	6.42E+00	4.49E+00	1.26E+01	1.71E+01	2.83E+01	3.36E+01	4.75E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	6.99E+00	5.18E+00	1.37E+01	1.85E+01	3.02E+01	3.50E+01	4.78E+01	1.15E-03	575
CAN FAT/BREAST	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

CAN FAT/BREAST	0-32.2 km	1.0000	1.92E-01	1.47E-01	3.53E-01	4.36E-01	6.11E-01	6.88E-01	8.45E-01	1.15E-03	324
CAN FAT/BREAST	0-48.3 km	1.0000	4.03E-01	3.35E-01	7.34E-01	8.58E-01	1.19E+00	1.35E+00	1.79E+00	1.13E-03	379
CAN FAT/BREAST	0-64.4 km	1.0000	6.59E-01	5.54E-01	1.15E+00	1.39E+00	2.19E+00	2.89E+00	3.76E+00	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	8.45E-01	7.28E-01	1.45E+00	1.83E+00	2.66E+00	3.09E+00	4.34E+00	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	1.53E+00	1.20E+00	2.81E+00	3.53E+00	5.31E+00	5.80E+00	8.95E+00	1.13E-03	116
CAN FAT/BREAST	0-322 km	1.0000	2.27E+00	1.53E+00	4.71E+00	6.23E+00	1.04E+01	1.28E+01	2.05E+01	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	2.58E+00	2.00E+00	5.10E+00	6.77E+00	1.07E+01	1.31E+01	2.06E+01	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)											
ERL FAT/TOTAL RISK > 0.000		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION EXCEEDING DOSE											
EARLY dose A-RED MARR > 2.32 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)											
L-ICRP60ED TOT LIF	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	7.46E+02	6.21E+02	1.28E+03	1.56E+03	2.21E+03	2.44E+03	3.14E+03	1.14E-03	310
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.25E+03	1.00E+03	2.31E+03	2.81E+03	3.84E+03	4.35E+03	5.62E+03	1.15E-03	575
L-ICRP60ED TOT LIF	0-1609 km	1.0000	1.95E+03	1.38E+03	3.91E+03	5.30E+03	8.58E+03	1.03E+04	1.41E+04	1.15E-03	575

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL

POPULATION WEIGHTED RISK

CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	1.57E-05	1.15E-05	3.05E-05	4.06E-05	6.42E-05	7.44E-05	1.11E-04	1.12E-03	679
CAN FAT/TOTAL	0-48.3 km	1.0000	1.01E-05	8.20E-06	1.86E-05	2.52E-05	3.60E-05	3.99E-05	5.55E-05	1.12E-03	679
CAN FAT/TOTAL	0-64.4 km	1.0000	6.17E-06	5.15E-06	1.11E-05	1.29E-05	1.84E-05	2.09E-05	2.56E-05	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	4.82E-06	3.96E-06	8.89E-06	1.06E-05	1.39E-05	1.56E-05	2.05E-05	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	2.35E-06	1.90E-06	4.32E-06	5.38E-06	7.51E-06	8.23E-06	1.05E-05	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											
L-ICRP60ED	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	16.1-20.9 km	1.0000	1.75E-02	1.38E-02	3.28E-02	3.57E-02	4.37E-02	4.76E-02	7.02E-02	1.14E-03	315
L-ICRP60ED	20.9-25.8 km	1.0000	1.28E-02	9.69E-03	2.84E-02	3.24E-02	4.06E-02	4.48E-02	6.28E-02	1.13E-03	314
L-ICRP60ED	25.8-32.2 km	1.0000	9.17E-03	6.27E-03	2.00E-02	2.43E-02	3.62E-02	4.21E-02	6.33E-02	1.13E-03	314
L-ICRP60ED	32.2-40.2 km	1.0000	6.02E-03	4.05E-03	1.24E-02	1.55E-02	2.33E-02	2.65E-02	4.90E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	4.11E-03	3.04E-03	8.46E-03	1.06E-02	1.55E-02	1.83E-02	3.44E-02	1.13E-03	516
L-ICRP60ED	48.3-64.4 km	1.0000	2.56E-03	1.91E-03	5.08E-03	6.06E-03	9.09E-03	1.13E-02	2.34E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	1.65E-03	1.16E-03	3.27E-03	3.88E-03	5.63E-03	6.47E-03	1.11E-02	1.14E-03	515
L-ICRP60ED	80.5-113 km	1.0000	9.93E-04	7.50E-04	1.89E-03	2.54E-03	3.77E-03	4.30E-03	5.50E-03	1.14E-03	518

L-ICRP60ED	113-161 km	1.0000	5.76E-04	4.38E-04	1.09E-03	1.38E-03	2.21E-03	2.55E-03	3.29E-03	1.13E-03	517
L-ICRP60ED	161-241 km	1.0000	3.27E-04	2.67E-04	5.95E-04	7.66E-04	1.13E-03	1.26E-03	1.60E-03	1.13E-03	516
L-ICRP60ED	241-322 km	1.0000	2.03E-04	1.61E-04	3.69E-04	4.89E-04	7.07E-04	8.01E-04	1.12E-03	3.04E-04	636
L-ICRP60ED	322-563 km	1.0000	9.85E-05	8.14E-05	1.82E-04	2.23E-04	3.27E-04	4.06E-04	5.48E-04	1.13E-03	671
L-ICRP60ED	563-805 km	1.0000	4.52E-05	3.70E-05	8.61E-05	1.06E-04	1.52E-04	1.77E-04	2.42E-04	3.04E-04	632
L-ICRP60ED	805-1609 km	1.0000	7.84E-06	2.24E-06	2.13E-05	2.58E-05	3.88E-05	4.60E-05	6.10E-05	1.14E-04	669
A-RED MARR	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	16.1-20.9 km	1.0000	1.73E-03	1.37E-03	3.16E-03	3.51E-03	4.45E-03	4.93E-03	6.01E-03	1.14E-03	315
A-RED MARR	20.9-25.8 km	1.0000	1.33E-03	1.07E-03	2.52E-03	3.05E-03	3.77E-03	4.12E-03	5.58E-03	1.13E-03	314
A-RED MARR	25.8-32.2 km	1.0000	1.02E-03	8.01E-04	2.01E-03	2.40E-03	3.42E-03	3.86E-03	5.70E-03	1.13E-03	314
A-RED MARR	32.2-40.2 km	1.0000	7.65E-04	6.08E-04	1.44E-03	1.91E-03	2.49E-03	2.76E-03	4.29E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	5.89E-04	4.82E-04	1.13E-03	1.51E-03	2.42E-03	2.79E-03	3.36E-03	1.14E-04	5
A-RED MARR	48.3-64.4 km	1.0000	4.53E-04	3.21E-04	9.00E-04	1.20E-03	2.04E-03	2.18E-03	2.86E-03	2.38E-04	86
A-RED MARR	64.4-80.5 km	1.0000	3.36E-04	2.07E-04	7.17E-04	1.06E-03	1.72E-03	2.03E-03	2.68E-03	1.52E-04	87
A-RED MARR	80.5-113 km	1.0000	2.11E-04	1.27E-04	4.47E-04	6.52E-04	1.19E-03	1.38E-03	1.89E-03	1.15E-03	462
A-RED MARR	113-161 km	1.0000	1.21E-04	7.75E-05	2.45E-04	3.67E-04	6.81E-04	7.76E-04	1.44E-03	1.14E-03	319
A-RED MARR	161-241 km	1.0000	6.67E-05	4.66E-05	1.29E-04	1.88E-04	3.51E-04	4.34E-04	6.57E-04	8.56E-04	456
A-RED MARR	241-322 km	1.0000	4.03E-05	2.89E-05	8.15E-05	1.11E-04	1.88E-04	2.22E-04	3.58E-04	1.14E-03	315
A-RED MARR	322-563 km	1.0000	1.96E-05	1.45E-05	3.68E-05	4.64E-05	6.81E-05	7.92E-05	1.27E-04	1.11E-03	312
A-RED MARR	563-805 km	1.0000	1.29E-05	9.01E-06	2.71E-05	3.25E-05	4.47E-05	6.09E-05	7.41E-05	1.14E-03	333
A-RED MARR	805-1609 km	1.0000	2.26E-06	8.86E-07	5.70E-06	7.06E-06	1.03E-05	1.13E-05	1.39E-05	1.15E-03	787

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input

SOURCE TERM 1 OF 1:

Peach Bottom source term for long term station blackout.

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

COHORT 5 = Group 5

		PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
HEALTH EFFECTS CASES											
ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	1.01E+01	8.01E+00	1.91E+01	2.51E+01	3.57E+01	3.98E+01	5.23E+01	1.13E-03	132
CAN FAT/TOTAL	0-48.3 km	1.0000	2.06E+01	1.67E+01	3.72E+01	4.77E+01	7.09E+01	7.61E+01	8.83E+01	1.14E-03	555
CAN FAT/TOTAL	0-64.4 km	1.0000	3.24E+01	2.72E+01	6.05E+01	7.39E+01	9.84E+01	1.13E+02	1.54E+02	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	4.06E+01	3.41E+01	7.32E+01	8.48E+01	1.20E+02	1.40E+02	1.93E+02	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	7.19E+01	5.95E+01	1.29E+02	1.62E+02	2.27E+02	2.48E+02	3.25E+02	1.15E-03	575
CAN FAT/TOTAL	0-322 km	1.0000	1.05E+02	7.32E+01	2.18E+02	2.96E+02	4.70E+02	6.03E+02	9.60E+02	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	1.16E+02	8.55E+01	2.36E+02	3.18E+02	5.20E+02	6.30E+02	9.64E+02	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/THYROID	0-32.2 km	1.0000	1.29E+00	8.73E-01	2.72E+00	3.84E+00	7.25E+00	7.79E+00	9.09E+00	1.13E-03	132
CAN FAT/THYROID	0-48.3 km	1.0000	2.37E+00	1.63E+00	4.70E+00	6.64E+00	1.09E+01	1.21E+01	1.50E+01	1.14E-03	653
CAN FAT/THYROID	0-64.4 km	1.0000	3.40E+00	2.54E+00	6.68E+00	8.64E+00	1.23E+01	1.38E+01	1.77E+01	1.13E-03	516
CAN FAT/THYROID	0-80.5 km	1.0000	4.06E+00	3.14E+00	7.85E+00	1.01E+01	1.30E+01	1.45E+01	1.83E+01	1.13E-03	516
CAN FAT/THYROID	0-161 km	1.0000	6.49E+00	5.21E+00	1.19E+01	1.41E+01	2.07E+01	2.31E+01	2.91E+01	1.13E-03	153
CAN FAT/THYROID	0-322 km	1.0000	9.03E+00	6.35E+00	1.85E+01	2.45E+01	4.03E+01	4.90E+01	6.76E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	9.84E+00	7.26E+00	1.98E+01	2.58E+01	4.10E+01	4.91E+01	6.79E+01	1.15E-03	575
CAN FAT/BREAST	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/BREAST	0-32.2 km	1.0000	3.36E-01	2.85E-01	6.02E-01	7.24E-01	9.64E-01	1.06E+00	1.60E+00	1.52E-04	87
CAN FAT/BREAST	0-48.3 km	1.0000	7.38E-01	6.34E-01	1.20E+00	1.38E+00	1.93E+00	2.24E+00	3.18E+00	1.15E-03	380
CAN FAT/BREAST	0-64.4 km	1.0000	1.28E+00	1.06E+00	2.22E+00	2.89E+00	4.68E+00	6.02E+00	8.96E+00	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	1.69E+00	1.32E+00	3.05E+00	3.71E+00	5.75E+00	6.84E+00	1.09E+01	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	3.32E+00	2.57E+00	6.18E+00	8.24E+00	1.27E+01	1.47E+01	2.05E+01	1.14E-03	885
CAN FAT/BREAST	0-322 km	1.0000	5.08E+00	3.48E+00	1.07E+01	1.39E+01	2.59E+01	3.28E+01	5.39E+01	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	5.83E+00	4.23E+00	1.13E+01	1.46E+01	2.73E+01	3.39E+01	5.41E+01	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)											
ERL FAT/TOTAL RISK > 0.000		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION EXCEEDING DOSE											
EARLY dose A-RED MARR > 2.32 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)											
L-ICRP60ED TOT LIF	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	1.11E+03	9.45E+02	2.05E+03	2.38E+03	3.32E+03	3.78E+03	5.11E+03	1.14E-03	310
L-ICRP60ED TOT LIF	0-161 km	1.0000	1.93E+03	1.49E+03	3.53E+03	4.33E+03	6.42E+03	7.29E+03	8.81E+03	1.15E-03	575
L-ICRP60ED TOT LIF	0-1609 km	1.0000	3.11E+03	2.29E+03	6.23E+03	8.44E+03	1.36E+04	1.63E+04	2.45E+04	1.15E-03	575

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION WEIGHTED RISK											
CAN FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-32.2 km	1.0000	2.22E-05	1.66E-05	4.15E-05	5.47E-05	8.23E-05	9.33E-05	1.15E-04	1.13E-03	132
CAN FAT/TOTAL	0-48.3 km	1.0000	1.49E-05	1.16E-05	2.69E-05	3.34E-05	5.07E-05	5.47E-05	6.41E-05	1.14E-03	555
CAN FAT/TOTAL	0-64.4 km	1.0000	9.43E-06	7.93E-06	1.74E-05	2.11E-05	2.67E-05	2.96E-05	4.47E-05	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	7.51E-06	6.47E-06	1.28E-05	1.54E-05	2.20E-05	2.43E-05	3.57E-05	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	3.85E-06	3.14E-06	7.28E-06	8.82E-06	1.21E-05	1.36E-05	1.74E-05	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											
L-ICRP60ED	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
L-ICRP60ED	16.1-20.9 km	1.0000	2.06E-02	2.00E-02	3.56E-02	3.97E-02	5.19E-02	6.29E-02	1.00E-01	1.14E-03	315
L-ICRP60ED	20.9-25.8 km	1.0000	1.62E-02	1.24E-02	3.17E-02	3.51E-02	4.45E-02	4.93E-02	8.98E-02	1.13E-03	314
L-ICRP60ED	25.8-32.2 km	1.0000	1.25E-02	9.04E-03	2.65E-02	3.16E-02	4.01E-02	4.45E-02	9.07E-02	1.13E-03	314
L-ICRP60ED	32.2-40.2 km	1.0000	8.63E-03	5.67E-03	1.83E-02	2.28E-02	3.32E-02	3.78E-02	6.99E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	5.92E-03	3.98E-03	1.19E-02	1.46E-02	2.23E-02	2.56E-02	3.87E-02	1.14E-03	515
L-ICRP60ED	48.3-64.4 km	1.0000	3.77E-03	3.06E-03	7.28E-03	8.88E-03	1.36E-02	1.63E-02	3.37E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	2.52E-03	1.91E-03	4.52E-03	5.56E-03	8.11E-03	9.28E-03	1.60E-02	1.14E-03	515
L-ICRP60ED	80.5-113 km	1.0000	1.63E-03	1.19E-03	3.17E-03	3.74E-03	5.35E-03	6.07E-03	8.00E-03	1.14E-03	518
L-ICRP60ED	113-161 km	1.0000	9.81E-04	7.38E-04	1.93E-03	2.52E-03	3.54E-03	3.91E-03	4.84E-03	1.14E-03	518
L-ICRP60ED	161-241 km	1.0000	5.54E-04	4.31E-04	1.04E-03	1.30E-03	2.10E-03	2.45E-03	3.22E-03	8.56E-04	456
L-ICRP60ED	241-322 km	1.0000	3.41E-04	2.81E-04	6.35E-04	7.99E-04	1.18E-03	1.35E-03	1.80E-03	1.14E-03	315
L-ICRP60ED	322-563 km	1.0000	1.66E-04	1.31E-04	3.04E-04	3.63E-04	5.42E-04	6.33E-04	8.63E-04	1.13E-03	671
L-ICRP60ED	563-805 km	1.0000	8.54E-05	7.34E-05	1.57E-04	2.00E-04	2.98E-04	3.32E-04	4.14E-04	1.14E-03	333
L-ICRP60ED	805-1609 km	1.0000	1.45E-05	4.03E-06	3.84E-05	4.88E-05	7.17E-05	7.55E-05	1.07E-04	1.14E-04	669
A-RED MARR	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

A-RED MARR	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	16.1-20.9 km	1.0000	2.61E-03	2.28E-03	4.33E-03	5.15E-03	6.51E-03	7.29E-03	1.08E-02	1.14E-03	315
A-RED MARR	20.9-25.8 km	1.0000	2.25E-03	1.93E-03	3.78E-03	4.44E-03	5.77E-03	6.31E-03	9.96E-03	1.13E-03	314
A-RED MARR	25.8-32.2 km	1.0000	1.84E-03	1.45E-03	3.30E-03	3.78E-03	5.17E-03	5.96E-03	1.03E-02	1.13E-03	314
A-RED MARR	32.2-40.2 km	1.0000	1.44E-03	1.15E-03	2.63E-03	3.16E-03	4.16E-03	4.68E-03	7.51E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	1.14E-03	9.79E-04	2.09E-03	2.54E-03	3.69E-03	4.25E-03	5.25E-03	1.13E-03	320
A-RED MARR	48.3-64.4 km	1.0000	9.16E-04	7.51E-04	1.81E-03	2.38E-03	3.35E-03	3.62E-03	4.29E-03	1.14E-03	515
A-RED MARR	64.4-80.5 km	1.0000	7.59E-04	5.28E-04	1.74E-03	2.27E-03	3.11E-03	3.26E-03	3.91E-03	3.23E-04	6
A-RED MARR	80.5-113 km	1.0000	5.57E-04	3.41E-04	1.17E-03	2.03E-03	3.14E-03	3.35E-03	3.85E-03	1.14E-03	85
A-RED MARR	113-161 km	1.0000	3.45E-04	2.02E-04	7.01E-04	1.17E-03	2.21E-03	2.43E-03	3.14E-03	1.14E-03	461
A-RED MARR	161-241 km	1.0000	1.90E-04	1.18E-04	4.01E-04	6.00E-04	1.19E-03	1.49E-03	2.26E-03	8.56E-04	456
A-RED MARR	241-322 km	1.0000	1.14E-04	7.46E-05	2.36E-04	3.50E-04	6.55E-04	7.67E-04	1.22E-03	1.14E-03	315
A-RED MARR	322-563 km	1.0000	5.51E-05	4.05E-05	1.08E-04	1.31E-04	2.02E-04	2.52E-04	4.17E-04	1.11E-03	312
A-RED MARR	563-805 km	1.0000	3.99E-05	2.46E-05	8.90E-05	1.10E-04	1.71E-04	2.03E-04	2.40E-04	1.14E-03	332
A-RED MARR	805-1609 km	1.0000	6.59E-06	2.10E-06	1.66E-05	2.15E-05	3.11E-05	3.49E-05	4.46E-05	1.15E-03	787

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

RESULTS FOR A SINGLE EMERGENCY RESPONSE COHORT WITHOUT ANY WEIGHTING FRACTIONS BEING APPLIED

COHORT 6 = Group 6

	PROB		QUANTILES					PEAK	PEAK	PEAK	
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL	

HEALTH EFFECTS CASES

ERL FAT/TOTAL	0-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
CAN FAT/TOTAL	0-16.1 km	1.0000	2.70E+00	2.35E+00	4.26E+00	5.14E+00	7.05E+00	7.80E+00	9.67E+00	1.13E-03	586
CAN FAT/TOTAL	0-32.2 km	1.0000	1.28E+01	1.05E+01	2.28E+01	2.89E+01	4.04E+01	4.63E+01	5.66E+01	1.13E-03	132
CAN FAT/TOTAL	0-48.3 km	1.0000	2.33E+01	2.00E+01	4.04E+01	5.10E+01	7.43E+01	7.97E+01	9.23E+01	1.14E-03	555
CAN FAT/TOTAL	0-64.4 km	1.0000	3.51E+01	3.01E+01	6.37E+01	7.62E+01	1.04E+02	1.19E+02	1.58E+02	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	4.33E+01	3.61E+01	7.69E+01	9.06E+01	1.27E+02	1.46E+02	1.97E+02	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	7.46E+01	6.12E+01	1.32E+02	1.67E+02	2.29E+02	2.50E+02	3.26E+02	1.15E-03	575
CAN FAT/TOTAL	0-322 km	1.0000	1.08E+02	7.71E+01	2.20E+02	3.01E+02	4.71E+02	6.03E+02	9.61E+02	1.15E-03	575
CAN FAT/TOTAL	0-805 km	1.0000	1.19E+02	8.98E+01	2.38E+02	3.19E+02	5.20E+02	6.30E+02	9.66E+02	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	1.0000	4.06E-01	3.28E-01	7.32E-01	9.09E-01	1.24E+00	1.40E+00	1.79E+00	1.14E-03	553
CAN FAT/THYROID	0-32.2 km	1.0000	1.70E+00	1.21E+00	3.34E+00	4.43E+00	7.48E+00	8.13E+00	9.72E+00	1.13E-03	132
CAN FAT/THYROID	0-48.3 km	1.0000	2.78E+00	2.10E+00	5.33E+00	7.12E+00	1.15E+01	1.27E+01	1.57E+01	1.14E-03	653
CAN FAT/THYROID	0-64.4 km	1.0000	3.81E+00	2.94E+00	7.18E+00	9.40E+00	1.29E+01	1.45E+01	1.89E+01	1.13E-03	516
CAN FAT/THYROID	0-80.5 km	1.0000	4.46E+00	3.54E+00	8.39E+00	1.03E+01	1.35E+01	1.52E+01	1.94E+01	1.13E-03	516
CAN FAT/THYROID	0-161 km	1.0000	6.89E+00	5.62E+00	1.22E+01	1.44E+01	2.10E+01	2.34E+01	2.95E+01	1.13E-03	153
CAN FAT/THYROID	0-322 km	1.0000	9.44E+00	6.86E+00	1.88E+01	2.46E+01	4.03E+01	4.90E+01	6.78E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	1.02E+01	7.71E+00	2.03E+01	2.64E+01	4.13E+01	4.91E+01	6.81E+01	1.15E-03	575
CAN FAT/BREAST	0-16.1 km	1.0000	8.40E-02	7.67E-02	1.19E-01	1.33E-01	1.73E-01	1.93E-01	2.23E-01	1.13E-03	586
CAN FAT/BREAST	0-32.2 km	1.0000	4.20E-01	3.57E-01	7.04E-01	8.00E-01	1.05E+00	1.13E+00	1.67E+00	1.52E-04	87
CAN FAT/BREAST	0-48.3 km	1.0000	8.22E-01	7.32E-01	1.25E+00	1.46E+00	2.07E+00	2.35E+00	3.29E+00	1.15E-03	380
CAN FAT/BREAST	0-64.4 km	1.0000	1.36E+00	1.12E+00	2.33E+00	2.97E+00	4.69E+00	6.02E+00	9.08E+00	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	1.78E+00	1.38E+00	3.14E+00	3.83E+00	6.01E+00	7.36E+00	1.10E+01	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	3.40E+00	2.68E+00	6.21E+00	8.24E+00	1.27E+01	1.47E+01	2.06E+01	1.14E-03	885
CAN FAT/BREAST	0-322 km	1.0000	5.17E+00	3.58E+00	1.07E+01	1.39E+01	2.59E+01	3.28E+01	5.40E+01	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	5.92E+00	4.33E+00	1.14E+01	1.47E+01	2.73E+01	3.39E+01	5.42E+01	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

PROB QUANTILES PEAK PEAK PEAK

		NON-ZERO MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
EARLY FATALITY DISTANCE (km)										
ERL FAT/TOTAL RISK > 0.000		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB NON-ZERO MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
POPULATION EXCEEDING DOSE										
EARLY dose A-RED MARR > 2.32 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-LUNGS > 13.6 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
EARLY dose A-STOMACH > 6.50 Sv		0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB NON-ZERO MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
POPULATION DOSE (Sv)										
L-ICRP60ED TOT LIF	0-16.1 km	1.0000	7.55E+01	6.76E+01	1.18E+02	1.38E+02	1.97E+02	2.14E+02	2.51E+02	1.13E-03	586
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	1.19E+03	1.02E+03	2.13E+03	2.46E+03	3.38E+03	3.83E+03	5.23E+03	1.14E-03	310
L-ICRP60ED TOT LIF	0-161 km	1.0000	2.00E+03	1.58E+03	3.62E+03	4.46E+03	6.64E+03	7.40E+03	8.85E+03	1.15E-03	575
L-ICRP60ED TOT LIF	0-1609 km	1.0000	3.18E+03	2.37E+03	6.32E+03	8.49E+03	1.36E+04	1.63E+04	2.46E+04	1.15E-03	575

		PROB NON-ZERO MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
POPULATION WEIGHTED RISK										
CAN FAT/TOTAL	0-16.1 km	1.0000	6.21E-05	5.52E-05	9.97E-05	1.15E-04	1.60E-04	1.85E-04	2.23E-04	1.13E-03	586
CAN FAT/TOTAL	0-32.2 km	1.0000	2.81E-05	2.30E-05	5.05E-05	6.54E-05	1.00E-04	1.07E-04	1.24E-04	1.13E-03	132
CAN FAT/TOTAL	0-48.3 km	1.0000	1.69E-05	1.33E-05	2.91E-05	3.70E-05	5.39E-05	5.78E-05	6.70E-05	1.14E-03	555
CAN FAT/TOTAL	0-64.4 km	1.0000	1.02E-05	8.62E-06	1.83E-05	2.18E-05	2.88E-05	3.32E-05	4.60E-05	1.14E-03	310
CAN FAT/TOTAL	0-80.5 km	1.0000	8.01E-06	7.02E-06	1.33E-05	1.61E-05	2.24E-05	2.46E-05	3.65E-05	1.14E-03	310
CAN FAT/TOTAL	0-161 km	1.0000	3.99E-06	3.28E-06	7.41E-06	9.04E-06	1.23E-05	1.37E-05	1.75E-05	1.15E-03	575
ERL FAT/TOTAL	0-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
ERL FAT/TOTAL	0-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

		PROB NON-ZERO MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL

PEAK DOSE FOUND ON SPATIAL GRID (Sv)

L-ICRP60ED	0-0.2 km	1.0000	8.83E-01	7.95E-01	1.16E+00	1.27E+00	1.54E+00	1.67E+00	2.04E+00	1.13E-03	285
L-ICRP60ED	0.2-0.5 km	1.0000	3.72E-01	2.98E-01	7.06E-01	7.85E-01	1.00E+00	1.06E+00	1.18E+00	1.12E-03	281
L-ICRP60ED	0.5-1.2 km	1.0000	2.00E-01	1.50E-01	3.69E-01	4.57E-01	7.09E-01	7.58E-01	8.78E-01	1.12E-03	281
L-ICRP60ED	1.2-1.6 km	1.0000	1.40E-01	1.05E-01	2.65E-01	3.48E-01	5.86E-01	6.85E-01	7.68E-01	1.12E-03	281
L-ICRP60ED	1.6-2.1 km	1.0000	1.12E-01	7.97E-02	2.15E-01	2.87E-01	5.11E-01	5.54E-01	6.61E-01	1.14E-03	318
L-ICRP60ED	2.1-3.2 km	1.0000	8.44E-02	5.72E-02	1.62E-01	2.32E-01	3.49E-01	3.84E-01	4.70E-01	1.14E-03	318
L-ICRP60ED	3.2-4.0 km	1.0000	6.61E-02	4.40E-02	1.29E-01	1.94E-01	3.04E-01	3.15E-01	3.39E-01	1.14E-03	318
L-ICRP60ED	4.0-4.8 km	1.0000	5.71E-02	3.90E-02	1.15E-01	1.66E-01	2.25E-01	2.40E-01	2.83E-01	8.56E-04	786
L-ICRP60ED	4.8-5.6 km	1.0000	5.09E-02	3.64E-02	9.78E-02	1.25E-01	2.06E-01	2.27E-01	2.88E-01	8.56E-04	786
L-ICRP60ED	5.6-8.1 km	1.0000	4.13E-02	3.23E-02	8.06E-02	1.07E-01	1.48E-01	1.71E-01	2.34E-01	1.14E-03	289
L-ICRP60ED	8.1-11.3 km	1.0000	3.17E-02	2.76E-02	5.47E-02	7.42E-02	1.14E-01	1.29E-01	1.69E-01	1.14E-03	127
L-ICRP60ED	11.3-16.1 km	1.0000	2.52E-02	2.31E-02	4.07E-02	4.77E-02	7.90E-02	9.19E-02	1.31E-01	1.14E-03	315
L-ICRP60ED	16.1-20.9 km	1.0000	2.06E-02	2.00E-02	3.56E-02	3.97E-02	5.19E-02	6.29E-02	1.00E-01	1.14E-03	315
L-ICRP60ED	20.9-25.8 km	1.0000	1.62E-02	1.24E-02	3.17E-02	3.51E-02	4.45E-02	4.93E-02	8.98E-02	1.13E-03	314
L-ICRP60ED	25.8-32.2 km	1.0000	1.25E-02	9.04E-03	2.65E-02	3.16E-02	4.01E-02	4.45E-02	9.07E-02	1.13E-03	314
L-ICRP60ED	32.2-40.2 km	1.0000	8.63E-03	5.67E-03	1.83E-02	2.28E-02	3.32E-02	3.78E-02	6.99E-02	1.13E-03	516
L-ICRP60ED	40.2-48.3 km	1.0000	5.92E-03	3.98E-03	1.19E-02	1.46E-02	2.23E-02	2.56E-02	3.87E-02	1.14E-03	515
L-ICRP60ED	48.3-64.4 km	1.0000	3.77E-03	3.06E-03	7.28E-03	8.88E-03	1.36E-02	1.63E-02	3.37E-02	1.14E-03	515
L-ICRP60ED	64.4-80.5 km	1.0000	2.52E-03	1.91E-03	4.52E-03	5.56E-03	8.11E-03	9.28E-03	1.60E-02	1.14E-03	515
L-ICRP60ED	80.5-113 km	1.0000	1.63E-03	1.19E-03	3.17E-03	3.74E-03	5.35E-03	6.07E-03	8.00E-03	1.14E-03	518
L-ICRP60ED	113-161 km	1.0000	9.81E-04	7.38E-04	1.93E-03	2.52E-03	3.54E-03	3.91E-03	4.84E-03	1.14E-03	518
L-ICRP60ED	161-241 km	1.0000	5.54E-04	4.31E-04	1.04E-03	1.30E-03	2.10E-03	2.45E-03	3.22E-03	8.56E-04	456
L-ICRP60ED	241-322 km	1.0000	3.41E-04	2.81E-04	6.35E-04	7.99E-04	1.18E-03	1.35E-03	1.80E-03	1.14E-03	315
L-ICRP60ED	322-563 km	1.0000	1.66E-04	1.31E-04	3.04E-04	3.63E-04	5.42E-04	6.33E-04	8.63E-04	1.13E-03	671
L-ICRP60ED	563-805 km	1.0000	8.54E-05	7.34E-05	1.57E-04	2.00E-04	2.98E-04	3.32E-04	4.14E-04	1.14E-03	333
L-ICRP60ED	805-1609 km	1.0000	1.45E-05	4.03E-06	3.84E-05	4.88E-05	7.17E-05	7.55E-05	1.07E-04	1.14E-04	669
A-RED MARR	0-0.2 km	1.0000	7.34E-02	6.92E-02	1.04E-01	1.15E-01	1.42E-01	1.55E-01	1.89E-01	1.14E-03	514
A-RED MARR	0.2-0.5 km	1.0000	3.85E-02	3.33E-02	5.97E-02	7.06E-02	9.14E-02	1.02E-01	1.22E-01	1.14E-03	514
A-RED MARR	0.5-1.2 km	1.0000	2.36E-02	2.02E-02	4.09E-02	5.19E-02	7.35E-02	8.10E-02	9.97E-02	1.14E-03	513
A-RED MARR	1.2-1.6 km	1.0000	1.70E-02	1.29E-02	3.09E-02	3.80E-02	5.56E-02	6.20E-02	8.12E-02	1.14E-03	513
A-RED MARR	1.6-2.1 km	1.0000	1.38E-02	1.05E-02	2.52E-02	3.24E-02	4.73E-02	5.41E-02	6.97E-02	1.14E-03	513
A-RED MARR	2.1-3.2 km	1.0000	1.09E-02	8.20E-03	2.11E-02	2.70E-02	3.63E-02	4.02E-02	4.98E-02	1.14E-03	518
A-RED MARR	3.2-4.0 km	1.0000	8.45E-03	6.17E-03	1.61E-02	2.10E-02	2.80E-02	3.15E-02	3.96E-02	1.14E-03	518
A-RED MARR	4.0-4.8 km	1.0000	7.29E-03	5.39E-03	1.37E-02	1.88E-02	2.31E-02	2.47E-02	2.86E-02	1.14E-03	127
A-RED MARR	4.8-5.6 km	1.0000	6.44E-03	4.69E-03	1.17E-02	1.43E-02	2.09E-02	2.24E-02	2.64E-02	8.56E-04	786
A-RED MARR	5.6-8.1 km	1.0000	5.25E-03	3.91E-03	1.01E-02	1.14E-02	1.53E-02	1.74E-02	2.27E-02	1.14E-03	289
A-RED MARR	8.1-11.3 km	1.0000	3.83E-03	3.17E-03	6.89E-03	8.63E-03	1.22E-02	1.38E-02	1.80E-02	1.14E-03	127
A-RED MARR	11.3-16.1 km	1.0000	2.97E-03	2.45E-03	5.01E-03	5.87E-03	8.66E-03	1.02E-02	1.34E-02	1.14E-03	315

A-RED MARR	16.1-20.9 km	1.0000	2.61E-03	2.28E-03	4.33E-03	5.15E-03	6.51E-03	7.29E-03	1.08E-02	1.14E-03	315
A-RED MARR	20.9-25.8 km	1.0000	2.25E-03	1.93E-03	3.78E-03	4.44E-03	5.77E-03	6.31E-03	9.96E-03	1.13E-03	314
A-RED MARR	25.8-32.2 km	1.0000	1.84E-03	1.45E-03	3.30E-03	3.78E-03	5.17E-03	5.96E-03	1.03E-02	1.13E-03	314
A-RED MARR	32.2-40.2 km	1.0000	1.44E-03	1.15E-03	2.63E-03	3.16E-03	4.16E-03	4.68E-03	7.51E-03	1.13E-03	516
A-RED MARR	40.2-48.3 km	1.0000	1.14E-03	9.79E-04	2.09E-03	2.54E-03	3.69E-03	4.25E-03	5.25E-03	1.13E-03	320
A-RED MARR	48.3-64.4 km	1.0000	9.16E-04	7.51E-04	1.81E-03	2.38E-03	3.35E-03	3.62E-03	4.29E-03	1.14E-03	515
A-RED MARR	64.4-80.5 km	1.0000	7.59E-04	5.28E-04	1.74E-03	2.27E-03	3.11E-03	3.26E-03	3.91E-03	3.23E-04	6
A-RED MARR	80.5-113 km	1.0000	5.57E-04	3.41E-04	1.17E-03	2.03E-03	3.14E-03	3.35E-03	3.85E-03	1.14E-03	85
A-RED MARR	113-161 km	1.0000	3.45E-04	2.02E-04	7.01E-04	1.17E-03	2.21E-03	2.43E-03	3.14E-03	1.14E-03	461
A-RED MARR	161-241 km	1.0000	1.90E-04	1.18E-04	4.01E-04	6.00E-04	1.19E-03	1.49E-03	2.26E-03	8.56E-04	456
A-RED MARR	241-322 km	1.0000	1.14E-04	7.46E-05	2.36E-04	3.50E-04	6.55E-04	7.67E-04	1.22E-03	1.14E-03	315
A-RED MARR	322-563 km	1.0000	5.51E-05	4.05E-05	1.08E-04	1.31E-04	2.02E-04	2.52E-04	4.17E-04	1.11E-03	312
A-RED MARR	563-805 km	1.0000	3.99E-05	2.46E-05	8.90E-05	1.10E-04	1.71E-04	2.03E-04	2.40E-04	1.14E-03	332
A-RED MARR	805-1609 km	1.0000	6.59E-06	2.10E-06	1.66E-05	2.15E-05	3.11E-05	3.49E-05	4.46E-05	1.15E-03	787

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

"ATMOS" DESCRIPTION = SOARCA PB Source Term Long-Term SBO
"EARLY" DESCRIPTION = SOARCA calculation for Peach Bottom LTSBO, EARLY input
"CHRONC" DESCRIPTION = Peach Bottom with no Food-Chain Modeling

SOURCE TERM 1 OF 1:
Peach Bottom source term for long term station blackout.

RESULTS FROM THE "CHRONC" MODULE ALONE

COHORT 7 = Peach Bottom with no Food-Chain Modeling

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
HEALTH EFFECTS CASES											
CAN FAT/TOTAL	0-16.1 km	1.0000	9.73E+00	8.95E+00	1.38E+01	1.61E+01	2.10E+01	2.20E+01	2.45E+01	1.12E-03	607
CAN FAT/TOTAL	0-32.2 km	1.0000	5.47E+01	4.56E+01	1.01E+02	1.12E+02	1.43E+02	1.59E+02	1.98E+02	1.13E-03	379
CAN FAT/TOTAL	0-48.3 km	1.0000	1.15E+02	9.76E+01	2.11E+02	2.46E+02	3.38E+02	3.78E+02	4.82E+02	1.13E-03	379
CAN FAT/TOTAL	0-64.4 km	1.0000	1.90E+02	1.48E+02	3.38E+02	4.45E+02	7.25E+02	8.43E+02	1.35E+03	1.13E-03	379
CAN FAT/TOTAL	0-80.5 km	1.0000	2.51E+02	2.04E+02	4.54E+02	6.17E+02	1.01E+03	1.20E+03	1.72E+03	1.13E-03	379
CAN FAT/TOTAL	0-161 km	1.0000	4.90E+02	3.68E+02	9.58E+02	1.25E+03	2.11E+03	2.36E+03	3.44E+03	1.14E-03	884
CAN FAT/TOTAL	0-322 km	1.0000	8.26E+02	5.70E+02	1.66E+03	2.28E+03	4.29E+03	5.83E+03	1.13E+04	1.15E-03	575

CAN FAT/TOTAL	0-805 km	1.0000	1.18E+03	9.24E+02	2.32E+03	2.89E+03	4.51E+03	5.83E+03	1.14E+04	1.15E-03	575
CAN FAT/THYROID	0-16.1 km	1.0000	1.36E-01	1.15E-01	2.11E-01	2.37E-01	3.08E-01	3.44E-01	4.37E-01	1.14E-03	387
CAN FAT/THYROID	0-32.2 km	1.0000	6.40E-01	5.79E-01	1.04E+00	1.13E+00	1.36E+00	1.47E+00	1.75E+00	1.14E-03	7
CAN FAT/THYROID	0-48.3 km	1.0000	1.29E+00	1.11E+00	2.13E+00	2.39E+00	3.11E+00	3.41E+00	4.16E+00	1.14E-03	7
CAN FAT/THYROID	0-64.4 km	1.0000	2.04E+00	1.81E+00	3.38E+00	3.99E+00	5.88E+00	6.96E+00	9.11E+00	1.13E-03	379
CAN FAT/THYROID	0-80.5 km	1.0000	2.75E+00	2.41E+00	4.89E+00	5.74E+00	8.06E+00	9.27E+00	1.21E+01	1.13E-03	379
CAN FAT/THYROID	0-161 km	1.0000	6.24E+00	5.61E+00	1.10E+01	1.29E+01	1.90E+01	2.12E+01	2.57E+01	1.14E-03	884
CAN FAT/THYROID	0-322 km	1.0000	1.15E+01	1.02E+01	2.20E+01	2.78E+01	4.00E+01	4.62E+01	7.26E+01	1.15E-03	575
CAN FAT/THYROID	0-1609 km	1.0000	2.49E+01	1.46E+01	6.33E+01	7.88E+01	1.11E+02	1.25E+02	1.62E+02	1.13E-03	859
CAN FAT/BREAST	0-16.1 km	1.0000	8.36E-01	7.66E-01	1.18E+00	1.33E+00	1.76E+00	1.98E+00	2.12E+00	1.14E-03	119
CAN FAT/BREAST	0-32.2 km	1.0000	4.98E+00	4.03E+00	9.05E+00	1.06E+01	1.36E+01	1.51E+01	1.90E+01	1.13E-03	379
CAN FAT/BREAST	0-48.3 km	1.0000	1.06E+01	8.84E+00	1.94E+01	2.26E+01	3.08E+01	3.51E+01	4.62E+01	1.13E-03	379
CAN FAT/BREAST	0-64.4 km	1.0000	1.76E+01	1.35E+01	3.18E+01	4.15E+01	7.09E+01	8.33E+01	1.30E+02	1.13E-03	379
CAN FAT/BREAST	0-80.5 km	1.0000	2.33E+01	1.82E+01	4.28E+01	5.77E+01	1.01E+02	1.18E+02	1.64E+02	1.13E-03	379
CAN FAT/BREAST	0-161 km	1.0000	4.50E+01	3.36E+01	8.78E+01	1.18E+02	2.05E+02	2.31E+02	3.31E+02	1.14E-03	884
CAN FAT/BREAST	0-322 km	1.0000	7.52E+01	5.06E+01	1.52E+02	2.16E+02	4.07E+02	5.47E+02	1.10E+03	1.15E-03	575
CAN FAT/BREAST	0-1609 km	1.0000	1.06E+02	8.68E+01	2.11E+02	2.59E+02	4.22E+02	5.47E+02	1.10E+03	1.15E-03	575

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION DOSE (Sv)											
L-ICRP60ED TOT LIF	0-16.1 km	1.0000	2.03E+02	1.83E+02	3.04E+02	3.41E+02	4.43E+02	4.97E+02	5.36E+02	1.14E-03	119
L-ICRP60ED TOT LIF	0-80.5 km	1.0000	4.93E+03	3.90E+03	8.92E+03	1.16E+04	2.02E+04	2.29E+04	3.32E+04	1.13E-03	379
L-ICRP60ED TOT LIF	0-161 km	1.0000	9.70E+03	7.66E+03	1.88E+04	2.51E+04	3.59E+04	3.99E+04	6.59E+04	1.14E-03	884
L-ICRP60ED TOT LIF	0-1609 km	1.0000	2.56E+04	2.09E+04	4.93E+04	6.11E+04	9.16E+04	1.13E+05	2.18E+05	1.15E-03	575

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
POPULATION WEIGHTED RISK											
CAN FAT/TOTAL	0-16.1 km	1.0000	1.56E-04	1.29E-04	2.30E-04	2.61E-04	3.27E-04	3.50E-04	4.07E-04	1.14E-03	886
CAN FAT/TOTAL	0-32.2 km	1.0000	9.88E-05	8.03E-05	1.83E-04	2.16E-04	2.78E-04	3.11E-04	4.04E-04	1.13E-03	379
CAN FAT/TOTAL	0-48.3 km	1.0000	7.09E-05	5.79E-05	1.24E-04	1.48E-04	2.19E-04	2.53E-04	3.27E-04	1.13E-03	379
CAN FAT/TOTAL	0-64.4 km	1.0000	4.83E-05	3.80E-05	8.91E-05	1.15E-04	2.03E-04	2.44E-04	3.77E-04	1.13E-03	379
CAN FAT/TOTAL	0-80.5 km	1.0000	4.06E-05	3.14E-05	7.73E-05	1.00E-04	1.59E-04	1.95E-04	3.00E-04	1.13E-03	379
CAN FAT/TOTAL	0-161 km	1.0000	2.24E-05	1.60E-05	4.49E-05	6.50E-05	1.06E-04	1.25E-04	1.78E-04	1.14E-03	884

		PROB		QUANTILES				PEAK	PEAK	PEAK	
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
PEAK DOSE FOUND ON SPATIAL GRID (Sv)											

L-ICRP60ED	0-0.2 km	1.0000	6.52E-02	5.16E-02	5.56E-02	5.74E-02	6.19E-02	6.39E-02	6.84E-02	1.14E-03	860
L-ICRP60ED	0.2-0.5 km	1.0000	5.72E-02	5.10E-02	5.51E-02	5.69E-02	6.15E-02	6.36E-02	6.83E-02	1.14E-03	719
L-ICRP60ED	0.5-1.2 km	1.0000	4.67E-02	4.18E-02	5.35E-02	5.55E-02	6.06E-02	6.29E-02	6.81E-02	1.14E-03	92
L-ICRP60ED	1.2-1.6 km	1.0000	4.08E-02	3.58E-02	5.12E-02	5.28E-02	5.67E-02	5.85E-02	6.83E-02	1.52E-04	326
L-ICRP60ED	1.6-2.1 km	1.0000	3.80E-02	3.41E-02	5.06E-02	5.30E-02	5.90E-02	6.18E-02	6.82E-02	1.14E-03	328
L-ICRP60ED	2.1-3.2 km	1.0000	3.50E-02	3.26E-02	4.88E-02	5.21E-02	5.83E-02	6.12E-02	6.79E-02	1.12E-03	464
L-ICRP60ED	3.2-4.0 km	1.0000	3.29E-02	3.13E-02	4.56E-02	5.11E-02	5.76E-02	6.06E-02	6.77E-02	1.12E-03	607
L-ICRP60ED	4.0-4.8 km	1.0000	3.17E-02	3.05E-02	4.25E-02	4.90E-02	5.67E-02	6.01E-02	6.79E-02	1.14E-03	578
L-ICRP60ED	4.8-5.6 km	1.0000	3.08E-02	3.02E-02	4.11E-02	4.69E-02	5.52E-02	5.82E-02	6.53E-02	1.14E-03	578
L-ICRP60ED	5.6-8.1 km	1.0000	2.92E-02	2.74E-02	3.71E-02	4.11E-02	5.11E-02	5.38E-02	6.00E-02	1.14E-03	578
L-ICRP60ED	8.1-11.3 km	1.0000	2.77E-02	2.57E-02	3.44E-02	3.71E-02	4.44E-02	4.79E-02	5.71E-02	1.14E-03	853
L-ICRP60ED	11.3-16.1 km	1.0000	2.53E-02	2.33E-02	3.24E-02	3.46E-02	4.05E-02	4.33E-02	5.25E-02	1.14E-03	295
L-ICRP60ED	16.1-20.9 km	1.0000	2.22E-02	2.12E-02	2.92E-02	3.21E-02	3.87E-02	4.20E-02	5.65E-02	1.14E-03	295
L-ICRP60ED	20.9-25.8 km	1.0000	2.01E-02	2.04E-02	2.68E-02	3.01E-02	3.56E-02	3.83E-02	4.48E-02	1.14E-03	295
L-ICRP60ED	25.8-32.2 km	1.0000	1.82E-02	1.80E-02	2.58E-02	2.91E-02	3.27E-02	3.40E-02	3.72E-02	1.15E-03	602
L-ICRP60ED	32.2-40.2 km	1.0000	1.57E-02	1.39E-02	2.39E-02	2.66E-02	3.08E-02	3.16E-02	3.32E-02	1.15E-03	266
L-ICRP60ED	40.2-48.3 km	1.0000	1.35E-02	1.16E-02	2.28E-02	2.55E-02	3.05E-02	3.10E-02	3.36E-02	2.38E-04	414
L-ICRP60ED	48.3-64.4 km	1.0000	1.06E-02	8.60E-03	2.12E-02	2.38E-02	3.02E-02	3.10E-02	3.28E-02	1.13E-03	74
L-ICRP60ED	64.4-80.5 km	1.0000	8.06E-03	5.64E-03	1.86E-02	2.13E-02	2.55E-02	2.76E-02	3.10E-02	1.13E-03	74
L-ICRP60ED	80.5-113 km	1.0000	5.76E-03	3.38E-03	1.36E-02	2.00E-02	2.38E-02	2.56E-02	3.02E-02	1.15E-03	462
L-ICRP60ED	113-161 km	1.0000	3.86E-03	2.09E-03	9.08E-03	1.43E-02	2.23E-02	2.39E-02	2.77E-02	1.14E-03	458
L-ICRP60ED	161-241 km	1.0000	2.57E-03	1.31E-03	5.98E-03	1.02E-02	1.76E-02	2.07E-02	2.45E-02	1.14E-03	318
L-ICRP60ED	241-322 km	1.0000	1.70E-03	8.14E-04	4.18E-03	7.27E-03	1.22E-02	1.45E-02	2.11E-02	1.14E-04	275
L-ICRP60ED	322-563 km	1.0000	1.01E-03	5.26E-04	2.54E-03	3.30E-03	5.25E-03	7.03E-03	9.10E-03	2.01E-03	311
L-ICRP60ED	563-805 km	1.0000	1.06E-03	4.76E-04	2.66E-03	3.28E-03	4.75E-03	7.05E-03	7.70E-03	1.15E-03	330
L-ICRP60ED	805-1609 km	1.0000	1.80E-04	3.85E-05	5.33E-04	6.56E-04	9.21E-04	1.04E-03	1.36E-03	8.56E-04	786
A-RED MARR	0-0.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.2-0.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	0.5-1.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.2-1.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	1.6-2.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	2.1-3.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	3.2-4.0 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.0-4.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	4.8-5.6 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	5.6-8.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	8.1-11.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	11.3-16.1 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	16.1-20.9 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

A-RED MARR	20.9-25.8 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	25.8-32.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	32.2-40.2 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	40.2-48.3 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	48.3-64.4 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	64.4-80.5 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	80.5-113 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	113-161 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	161-241 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	241-322 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	322-563 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	563-805 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
A-RED MARR	805-1609 km	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0

	PROB		QUANTILES				PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-16.1 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	2.03E+02	1.83E+02	3.04E+02	3.41E+02	4.43E+02	4.97E+02	5.36E+02	1.14E-03	119
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	1.30E+02	1.13E+02	1.99E+02	2.22E+02	2.84E+02	3.07E+02	3.39E+02	1.14E-03	886
TOTAL INGESTION PATHWAYS DOSE	1.0000	6.55E+01	5.65E+01	1.06E+02	1.17E+02	1.47E+02	1.62E+02	2.66E+02	1.14E-03	387
LONG-TERM GROUNDSHINE DOSE	1.0000	1.29E+02	1.12E+02	1.98E+02	2.22E+02	2.84E+02	3.06E+02	3.37E+02	1.14E-03	886
LONG-TERM RESUSPENSION DOSE	1.0000	1.04E+00	9.73E-01	1.39E+00	1.61E+00	2.11E+00	2.24E+00	2.56E+00	1.14E-03	142
WATER INGESTION DOSE	1.0000	1.31E+01	9.71E+00	2.16E+01	3.36E+01	6.78E+01	8.20E+01	1.11E+02	1.43E-04	9
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	6.97E+00	5.03E+00	1.42E+01	2.10E+01	4.07E+01	5.13E+01	7.33E+01	1.12E-03	464
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	6.19E-01	3.69E-01	1.36E+00	2.00E+00	3.70E+00	4.55E+00	6.38E+00	1.11E-03	322
INGESTION OF GRAINS	1.0000	1.06E+00	6.07E-01	2.74E+00	3.57E+00	5.35E+00	5.83E+00	8.15E+00	1.14E-03	387
INGESTION OF LEAF VEG	1.0000	3.33E+00	2.57E+00	6.43E+00	8.41E+00	1.59E+01	2.07E+01	3.39E+01	1.14E-03	387
INGESTION OF ROOT CROPS	1.0000	2.33E+00	1.80E+00	4.81E+00	5.87E+00	8.04E+00	8.91E+00	1.08E+01	1.14E-03	387
INGESTION OF FRUITS	1.0000	2.70E+00	2.03E+00	5.67E+00	7.32E+00	1.08E+01	1.21E+01	1.57E+01	1.14E-03	387
INGESTION OF LEGUMES	1.0000	3.26E+00	2.77E+00	6.11E+00	7.43E+00	1.01E+01	1.08E+01	1.26E+01	1.11E-03	322
INGESTION OF BEEF	1.0000	1.77E+01	1.33E+01	3.40E+01	4.10E+01	5.67E+01	6.26E+01	7.37E+01	1.15E-03	673
INGESTION OF MILK	1.0000	1.53E+01	1.13E+01	3.10E+01	3.94E+01	5.69E+01	6.27E+01	7.65E+01	1.13E-03	603
INGESTION OF POULTRY	1.0000	4.05E+00	2.88E+00	8.44E+00	1.09E+01	1.78E+01	2.15E+01	4.69E+01	1.14E-03	387
INGESTION OF OTHER MEAT CROPS	1.0000	2.67E+00	1.63E+00	6.51E+00	7.76E+00	1.04E+01	1.13E+01	1.35E+01	1.14E-03	455

	PROB		QUANTILES				PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-80.5 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	4.93E+03	3.90E+03	8.92E+03	1.16E+04	2.02E+04	2.29E+04	3.32E+04	1.13E-03	379

LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	4.22E+03	3.23E+03	8.02E+03	1.03E+04	1.69E+04	2.07E+04	3.13E+04	1.13E-03	379
TOTAL INGESTION PATHWAYS DOSE	1.0000	6.69E+02	5.67E+02	1.21E+03	1.43E+03	2.04E+03	2.17E+03	2.48E+03	1.11E-03	139
LONG-TERM GROUNDSHINE DOSE	1.0000	4.18E+03	3.21E+03	7.97E+03	1.03E+04	1.68E+04	2.07E+04	3.10E+04	1.13E-03	379
LONG-TERM RESUSPENSION DOSE	1.0000	3.74E+01	3.04E+01	6.84E+01	8.87E+01	1.38E+02	1.64E+02	3.00E+02	1.13E-03	379
WATER INGESTION DOSE	1.0000	2.37E+01	1.61E+01	4.39E+01	6.58E+01	1.03E+02	1.09E+02	1.43E+02	1.43E-04	9
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	3.71E+01	1.16E+01	1.01E+02	2.03E+02	3.35E+02	3.86E+02	5.47E+02	1.14E-03	156
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	1.00E+00	4.46E-01	2.47E+00	4.03E+00	8.44E+00	1.00E+01	1.40E+01	1.52E-04	87
INGESTION OF GRAINS	1.0000	1.87E+01	1.17E+01	4.71E+01	5.61E+01	7.52E+01	8.22E+01	1.07E+02	1.11E-03	139
INGESTION OF LEAF VEG	1.0000	3.56E+01	2.13E+01	8.21E+01	1.16E+02	2.15E+02	2.38E+02	2.97E+02	1.14E-03	387
INGESTION OF ROOT CROPS	1.0000	2.73E+01	2.06E+01	6.52E+01	7.59E+01	9.89E+01	1.11E+02	1.41E+02	1.11E-03	139
INGESTION OF FRUITS	1.0000	3.82E+01	2.75E+01	9.38E+01	1.09E+02	1.41E+02	1.57E+02	2.07E+02	1.11E-03	139
INGESTION OF LEGUMES	1.0000	2.69E+01	2.13E+01	5.88E+01	7.10E+01	9.35E+01	1.03E+02	1.21E+02	1.11E-03	139
INGESTION OF BEEF	1.0000	2.30E+02	2.01E+02	4.48E+02	5.25E+02	6.40E+02	6.98E+02	9.38E+02	1.11E-03	139
INGESTION OF MILK	1.0000	1.89E+02	1.56E+02	3.38E+02	3.96E+02	5.33E+02	5.76E+02	6.81E+02	1.11E-03	934
INGESTION OF POULTRY	1.0000	5.45E+01	3.80E+01	1.11E+02	1.48E+02	3.01E+02	3.31E+02	4.05E+02	1.14E-03	390
INGESTION OF OTHER MEAT CROPS	1.0000	2.46E+01	1.85E+01	4.87E+01	6.17E+01	8.70E+01	9.84E+01	1.19E+02	1.14E-03	447

	PROB		QUANTILES					PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-161 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	9.70E+03	7.66E+03	1.88E+04	2.51E+04	3.59E+04	3.99E+04	6.59E+04	1.14E-03	884
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	8.05E+03	5.98E+03	1.65E+04	2.31E+04	3.51E+04	3.93E+04	6.33E+04	1.14E-03	884
TOTAL INGESTION PATHWAYS DOSE	1.0000	1.61E+03	1.22E+03	3.15E+03	3.90E+03	5.93E+03	6.87E+03	9.13E+03	1.14E-03	937
LONG-TERM GROUNDSHINE DOSE	1.0000	7.98E+03	5.93E+03	1.62E+04	2.28E+04	3.50E+04	3.92E+04	6.29E+04	1.14E-03	884
LONG-TERM RESUSPENSION DOSE	1.0000	7.25E+01	5.45E+01	1.42E+02	2.04E+02	3.30E+02	3.68E+02	4.64E+02	1.14E-03	884
WATER INGESTION DOSE	1.0000	3.28E+01	2.35E+01	6.33E+01	9.26E+01	1.49E+02	1.80E+02	2.10E+02	1.13E-03	286
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	4.13E+01	1.21E+01	1.14E+02	2.17E+02	3.91E+02	4.93E+02	5.83E+02	1.12E-03	577
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	1.03E+00	4.64E-01	2.51E+00	4.14E+00	8.75E+00	1.02E+01	1.40E+01	1.52E-04	87
INGESTION OF GRAINS	1.0000	4.65E+01	3.35E+01	1.08E+02	1.41E+02	2.35E+02	2.75E+02	3.36E+02	1.14E-03	937
INGESTION OF LEAF VEG	1.0000	8.44E+01	4.62E+01	2.30E+02	3.28E+02	5.04E+02	5.59E+02	8.31E+02	1.14E-03	387
INGESTION OF ROOT CROPS	1.0000	6.49E+01	5.03E+01	1.54E+02	2.06E+02	3.26E+02	3.63E+02	4.59E+02	1.14E-03	937
INGESTION OF FRUITS	1.0000	9.28E+01	7.18E+01	2.15E+02	2.97E+02	4.56E+02	5.29E+02	6.72E+02	1.14E-03	937
INGESTION OF LEGUMES	1.0000	6.02E+01	4.49E+01	1.34E+02	1.79E+02	2.60E+02	2.98E+02	3.93E+02	1.14E-03	937
INGESTION OF BEEF	1.0000	5.47E+02	4.67E+02	1.06E+03	1.27E+03	1.92E+03	2.22E+03	3.33E+03	1.14E-03	937
INGESTION OF MILK	1.0000	4.98E+02	4.15E+02	9.97E+02	1.17E+03	1.68E+03	1.96E+03	2.85E+03	1.14E-03	937
INGESTION OF POULTRY	1.0000	1.29E+02	8.52E+01	3.05E+02	4.02E+02	6.62E+02	7.64E+02	1.07E+03	1.14E-03	387
INGESTION OF OTHER MEAT CROPS	1.0000	5.10E+01	3.83E+01	9.77E+01	1.20E+02	1.88E+02	2.21E+02	3.25E+02	1.14E-03	461

	PROB		QUANTILES					PEAK	PEAK	PEAK

	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
L-ICRP60ED POP. DOSE (Sv) 0-1609 km										
TOTAL LONG-TERM PATHWAYS DOSE	1.0000	2.56E+04	2.09E+04	4.93E+04	6.11E+04	9.16E+04	1.13E+05	2.18E+05	1.15E-03	575
LONG-TERM DIRECT EXPOSURE PATHWAYS	1.0000	1.64E+04	1.17E+04	3.29E+04	4.47E+04	8.42E+04	1.06E+05	2.17E+05	1.15E-03	575
TOTAL INGESTION PATHWAYS DOSE	1.0000	9.13E+03	3.97E+03	2.45E+04	3.13E+04	4.57E+04	5.28E+04	6.87E+04	1.14E-03	395
LONG-TERM GROUNDSHINE DOSE	1.0000	1.63E+04	1.16E+04	3.27E+04	4.46E+04	8.42E+04	1.06E+05	2.15E+05	1.15E-03	575
LONG-TERM RESUSPENSION DOSE	1.0000	1.45E+02	1.06E+02	2.86E+02	3.88E+02	7.36E+02	9.66E+02	1.94E+03	1.15E-03	575
WATER INGESTION DOSE	1.0000	4.28E+02	3.88E+02	7.24E+02	7.44E+02	7.95E+02	8.19E+02	8.70E+02	1.13E-03	761
POP.-DEPENDENT DECONTAMINATION DOSE	1.0000	4.14E+01	1.21E+01	1.14E+02	2.17E+02	3.91E+02	4.93E+02	5.83E+02	1.12E-03	577
FARM-DEPENDENT DECONTAMINATION DOSE	1.0000	1.03E+00	4.64E-01	2.56E+00	4.16E+00	8.75E+00	1.02E+01	1.40E+01	1.52E-04	87
INGESTION OF GRAINS	1.0000	2.70E+02	7.72E+01	8.19E+02	1.03E+03	1.36E+03	1.54E+03	2.00E+03	1.14E-03	395
INGESTION OF LEAF VEG	1.0000	4.97E+02	9.43E+01	1.33E+03	1.91E+03	4.55E+03	6.01E+03	8.53E+03	1.14E-03	395
INGESTION OF ROOT CROPS	1.0000	3.63E+02	1.03E+02	1.08E+03	1.29E+03	1.95E+03	2.16E+03	2.61E+03	1.14E-03	395
INGESTION OF FRUITS	1.0000	5.29E+02	1.44E+02	1.46E+03	2.02E+03	2.93E+03	3.22E+03	3.83E+03	1.14E-03	395
INGESTION OF LEGUMES	1.0000	3.19E+02	8.98E+01	9.69E+02	1.17E+03	1.74E+03	2.02E+03	2.25E+03	1.14E-03	395
INGESTION OF BEEF	1.0000	2.81E+03	1.29E+03	7.88E+03	1.00E+04	1.25E+04	1.37E+04	1.68E+04	1.14E-03	395
INGESTION OF MILK	1.0000	2.98E+03	1.26E+03	8.34E+03	1.06E+04	1.39E+04	1.56E+04	2.22E+04	1.13E-03	859
INGESTION OF POULTRY	1.0000	7.33E+02	2.59E+02	1.76E+03	2.63E+03	6.12E+03	7.98E+03	1.09E+04	1.14E-03	395
INGESTION OF OTHER MEAT CROPS	1.0000	2.05E+02	1.25E+02	4.16E+02	5.66E+02	1.14E+03	1.48E+03	2.20E+03	1.14E-03	395

	PROB		QUANTILES					PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
ECONOMIC COST MEASURES ($) 0-1609 km										
TOTAL ECONOMIC COSTS	1.0000	2.35E+09	9.14E+08	6.23E+09	1.06E+10	2.04E+10	2.31E+10	3.03E+10	1.12E-03	577
POP.-DEPENDENT COSTS	1.0000	2.11E+09	6.92E+08	5.65E+09	1.02E+10	2.04E+10	2.31E+10	3.01E+10	1.12E-03	577
FARM-DEPENDENT COSTS	1.0000	2.39E+08	1.17E+08	6.26E+08	9.50E+08	1.33E+09	1.52E+09	2.06E+09	1.15E-03	883
POP.-DEPENDENT DECONTAMINATION COST	1.0000	5.21E+08	1.56E+08	1.41E+09	2.47E+09	4.82E+09	5.50E+09	7.52E+09	1.12E-03	577
FARM-DEPENDENT DECONTAMINATION COST	1.0000	2.66E+07	1.34E+07	6.69E+07	1.04E+08	1.64E+08	2.00E+08	2.32E+08	1.12E-03	83
POP.-DEPENDENT INTERDICTION COST	1.0000	1.50E+09	4.58E+08	3.97E+09	7.41E+09	1.23E+10	1.44E+10	2.22E+10	1.12E-03	577
FARM-DEPENDENT INTERDICTION COST	1.0000	9.36E+07	3.48E+07	2.57E+08	4.10E+08	6.67E+08	8.00E+08	1.16E+09	1.14E-03	885
POP.-DEPENDENT CONDEMNATION COST	0.0410	2.58E+05	0.00E+00	0.00E+00	0.00E+00	8.97E+06	1.19E+07	2.54E+07	1.14E-03	578
FARM-DEPENDENT CONDEMNATION COST	0.6558	3.95E+04	3.47E+03	6.30E+04	1.33E+05	6.45E+05	1.06E+06	2.36E+06	1.14E-03	323
EMERGENCY PHASE COST	1.0000	8.68E+07	5.10E+07	2.15E+08	2.65E+08	4.61E+08	5.42E+08	8.95E+08	1.13E-03	153
INTERMEDIATE PHASE COST	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
MILK DISPOSAL COST	1.0000	1.18E+07	3.52E+06	3.23E+07	5.36E+07	9.18E+07	1.09E+08	1.58E+08	1.15E-03	227
CROP DISPOSAL COST	1.0000	1.07E+08	4.30E+07	3.00E+08	3.88E+08	5.99E+08	6.86E+08	1.39E+09	1.15E-03	883

	PROB		QUANTILES					PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL

ECONOMIC COST MEASURES ($) 0-80.5 km

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
TOTAL ECONOMIC COSTS	1.0000	1.91E+09	7.87E+08	5.07E+09	8.27E+09	1.37E+10	1.63E+10	2.57E+10	1.14E-03	713
POP.-DEPENDENT COSTS	1.0000	1.76E+09	6.43E+08	4.84E+09	7.92E+09	1.35E+10	1.63E+10	2.57E+10	1.14E-03	713
FARM-DEPENDENT COSTS	1.0000	1.54E+08	1.04E+08	3.58E+08	4.70E+08	7.14E+08	7.79E+08	1.14E+09	1.14E-04	4
POP.-DEPENDENT DECONTAMINATION COST	1.0000	4.37E+08	1.44E+08	1.18E+09	2.17E+09	3.63E+09	4.22E+09	6.31E+09	1.14E-03	713
FARM-DEPENDENT DECONTAMINATION COST	1.0000	2.25E+07	1.30E+07	5.32E+07	7.95E+07	1.13E+08	1.22E+08	1.81E+08	1.52E-04	87
POP.-DEPENDENT INTERDICTION COST	1.0000	1.24E+09	4.25E+08	3.38E+09	5.66E+09	1.09E+10	1.30E+10	1.88E+10	1.14E-03	713
FARM-DEPENDENT INTERDICTION COST	1.0000	5.48E+07	3.17E+07	1.37E+08	1.89E+08	2.83E+08	3.16E+08	4.87E+08	1.14E-04	4
POP.-DEPENDENT CONDEMNATION COST	0.0410	2.58E+05	0.00E+00	0.00E+00	0.00E+00	8.97E+06	1.19E+07	2.54E+07	1.14E-03	578
FARM-DEPENDENT CONDEMNATION COST	0.6558	3.95E+04	3.47E+03	6.30E+04	1.33E+05	6.45E+05	1.06E+06	2.36E+06	1.14E-03	323
EMERGENCY PHASE COST	1.0000	8.28E+07	4.93E+07	2.10E+08	2.51E+08	3.65E+08	4.23E+08	5.95E+08	1.15E-03	695
INTERMEDIATE PHASE COST	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
MILK DISPOSAL COST	1.0000	7.03E+06	2.80E+06	1.93E+07	2.44E+07	3.27E+07	3.48E+07	4.82E+07	1.43E-04	77
CROP DISPOSAL COST	1.0000	6.95E+07	3.79E+07	1.64E+08	2.15E+08	3.12E+08	3.35E+08	4.90E+08	1.14E-04	4

ECONOMIC COST MEASURES ($) 0-16.1 km

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
TOTAL ECONOMIC COSTS	1.0000	2.17E+08	2.00E+08	3.65E+08	4.34E+08	5.57E+08	5.99E+08	8.43E+08	1.11E-03	75
POP.-DEPENDENT COSTS	1.0000	1.79E+08	1.45E+08	3.16E+08	3.71E+08	5.22E+08	5.73E+08	7.20E+08	1.11E-03	75
FARM-DEPENDENT COSTS	1.0000	3.80E+07	3.09E+07	7.42E+07	8.24E+07	1.03E+08	1.09E+08	1.23E+08	1.11E-03	75
POP.-DEPENDENT DECONTAMINATION COST	1.0000	4.97E+07	4.25E+07	8.83E+07	1.07E+08	1.55E+08	1.82E+08	2.44E+08	1.11E-03	75
FARM-DEPENDENT DECONTAMINATION COST	1.0000	8.05E+06	7.26E+06	1.31E+07	1.53E+07	2.13E+07	2.37E+07	3.11E+07	1.11E-03	75
POP.-DEPENDENT INTERDICTION COST	1.0000	1.22E+08	1.07E+08	2.16E+08	2.55E+08	3.42E+08	3.76E+08	4.63E+08	1.11E-03	75
FARM-DEPENDENT INTERDICTION COST	1.0000	1.19E+07	8.76E+06	2.39E+07	2.79E+07	3.41E+07	3.65E+07	4.23E+07	1.14E-03	944
POP.-DEPENDENT CONDEMNATION COST	0.0410	2.58E+05	0.00E+00	0.00E+00	0.00E+00	8.97E+06	1.19E+07	2.54E+07	1.14E-03	578
FARM-DEPENDENT CONDEMNATION COST	0.6558	3.95E+04	3.47E+03	6.30E+04	1.33E+05	6.45E+05	1.06E+06	2.36E+06	1.14E-03	323
EMERGENCY PHASE COST	1.0000	6.84E+06	6.23E+06	1.06E+07	1.17E+07	1.47E+07	1.62E+07	2.03E+07	1.13E-03	479
INTERMEDIATE PHASE COST	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0
MILK DISPOSAL COST	1.0000	1.81E+06	1.16E+06	4.27E+06	5.09E+06	5.65E+06	5.92E+06	6.51E+06	1.14E-03	170
CROP DISPOSAL COST	1.0000	1.63E+07	1.18E+07	3.36E+07	3.78E+07	4.93E+07	5.08E+07	5.28E+07	1.15E-03	31

MAXIMUM LONG-TERM ACTION DISTANCE (km)

	PROB NON-ZERO	MEAN	QUANTILES 50TH	90TH	95TH	99TH	99.5TH	PEAK CONSEQ	PEAK PROB	PEAK TRIAL
FARM-DEPENDENT DECONTAMINATION DIST.	1.0000	4.51E+01	3.35E+01	9.24E+01	1.15E+02	1.72E+02	2.04E+02	3.22E+02	1.14E-03	315
POP.-DEPENDENT DECONTAMINATION DIST.	1.0000	4.51E+01	3.35E+01	9.24E+01	1.15E+02	1.72E+02	2.04E+02	3.22E+02	1.14E-03	315
FARM-DEPENDENT INTERDICTION DIST.	1.0000	8.98E+01	5.52E+01	1.99E+02	2.90E+02	4.77E+02	****	8.05E+02	5.70E-03	330
POP.-DEPENDENT INTERDICTION DIST.	1.0000	4.51E+01	3.35E+01	9.24E+01	1.15E+02	1.72E+02	2.04E+02	3.22E+02	1.14E-03	315

FARM-DEPENDENT CONDEMNATION DIST.	0.6558	4.31E-01	1.67E-01	1.01E+00	1.66E+00	3.87E+00	4.56E+00	5.63E+00	3.40E-03	120
POP.-DEPENDENT CONDEMNATION DIST.	0.0410	9.14E-02	0.00E+00	0.00E+00	0.00E+00	3.49E+00	****	4.02E+00	6.78E-03	120
MILK DISPOSAL DIST.	1.0000	1.36E+02	7.56E+01	3.64E+02	5.63E+02	****	****	8.05E+02	3.10E-02	19
CROP DISPOSAL DIST.	1.0000	8.14E+01	4.64E+01	1.93E+02	2.89E+02	4.77E+02	****	8.05E+02	5.70E-03	330

	PROB		QUANTILES				PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
AFFECTED AREA/POPULATION	0-1609 km									
FARM DECONTAMINATION (ha)	1.0000	1.71E+04	9.12E+03	4.24E+04	6.60E+04	1.05E+05	1.22E+05	1.67E+05	1.12E-03	83
POP. DECONTAMINATION (INDIVIDUALS)	1.0000	6.45E+04	1.96E+04	1.80E+05	3.20E+05	6.22E+05	7.40E+05	9.68E+05	1.12E-03	577
POP. DECONTAMINATION AREA (ha)	1.0000	2.19E+04	1.05E+04	5.98E+04	9.34E+04	1.32E+05	1.51E+05	2.27E+05	1.12E-03	83
FARM INTERDICTION (ha)	1.0000	5.79E+04	2.69E+04	1.46E+05	2.29E+05	3.88E+05	4.57E+05	6.70E+05	1.14E-03	983
POP. INTERDICTION (INDIVIDUALS)	1.0000	6.45E+04	1.96E+04	1.80E+05	3.20E+05	6.22E+05	7.40E+05	9.68E+05	1.12E-03	577
POP. INTERDICTION AREA (ha)	1.0000	2.19E+04	1.05E+04	5.98E+04	9.34E+04	1.32E+05	1.51E+05	2.27E+05	1.12E-03	83
FARM CONDEMNATION (ha)	0.6558	2.63E+00	2.34E-01	3.36E+00	9.84E+00	4.53E+01	6.70E+01	1.44E+02	1.12E-03	464
POP. CONDEMNATION (INDIVIDUALS)	0.0410	1.12E+00	0.00E+00	0.00E+00	0.00E+00	3.99E+01	5.56E+01	1.03E+02	1.14E-03	578
POP. CONDEMNATION AREA (ha)	0.4908	1.34E+00	0.00E+00	1.83E+00	5.73E+00	3.14E+01	3.89E+01	8.12E+01	1.14E-03	578
MILK DISPOSAL AREA (ha)	1.0000	1.16E+05	4.05E+04	3.35E+05	5.17E+05	8.67E+05	1.02E+06	1.14E+06	1.14E-03	983
CROP DISPOSAL AREA (ha)	1.0000	5.27E+04	2.01E+04	1.44E+05	2.29E+05	3.88E+05	4.57E+05	6.70E+05	1.14E-03	983

	PROB		QUANTILES				PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
AFFECTED AREA/POPULATION	0-80.5 km									
FARM DECONTAMINATION (ha)	1.0000	1.40E+04	8.72E+03	3.27E+04	5.01E+04	7.03E+04	7.35E+04	9.18E+04	1.52E-04	87
POP. DECONTAMINATION (INDIVIDUALS)	1.0000	5.28E+04	1.79E+04	1.46E+05	2.34E+05	4.80E+05	5.51E+05	8.20E+05	1.14E-03	713
POP. DECONTAMINATION AREA (ha)	1.0000	1.72E+04	1.02E+04	4.18E+04	6.74E+04	1.01E+05	1.07E+05	1.51E+05	1.14E-04	4
FARM INTERDICTION (ha)	1.0000	3.25E+04	2.39E+04	7.04E+04	9.31E+04	1.27E+05	1.43E+05	2.20E+05	1.14E-04	4
POP. INTERDICTION (INDIVIDUALS)	1.0000	5.28E+04	1.79E+04	1.46E+05	2.34E+05	4.80E+05	5.51E+05	8.20E+05	1.14E-03	713
POP. INTERDICTION AREA (ha)	1.0000	1.72E+04	1.02E+04	4.18E+04	6.74E+04	1.01E+05	1.07E+05	1.51E+05	1.14E-04	4
FARM CONDEMNATION (ha)	0.6558	2.63E+00	2.34E-01	3.36E+00	9.84E+00	4.53E+01	6.70E+01	1.44E+02	1.12E-03	464
POP. CONDEMNATION (INDIVIDUALS)	0.0410	1.12E+00	0.00E+00	0.00E+00	0.00E+00	3.99E+01	5.56E+01	1.03E+02	1.14E-03	578
POP. CONDEMNATION AREA (ha)	0.4908	1.34E+00	0.00E+00	1.83E+00	5.73E+00	3.14E+01	3.89E+01	8.12E+01	1.14E-03	578
MILK DISPOSAL AREA (ha)	1.0000	4.16E+04	3.21E+04	9.84E+04	1.10E+05	1.41E+05	1.56E+05	2.54E+05	1.14E-04	5
CROP DISPOSAL AREA (ha)	1.0000	2.87E+04	1.87E+04	6.98E+04	9.29E+04	1.27E+05	1.43E+05	2.20E+05	1.14E-04	4

	PROB		QUANTILES				PEAK	PEAK	PEAK
	NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
MAXIMUM ANNUAL FOOD DOSE (EFFECTIVE)										
PROJECTED FOR INDIVIDUAL	0.2-0.5 km	1.0000	1.26E-02	8.46E-03	2.68E-02	3.08E-02	3.45E-02	3.63E-02	4.03E-02	1.14E-03	816

PROJECTED FOR INDIVIDUAL	1.2-1.6 km	1.0000	1.56E-02	1.29E-02	2.90E-02	3.12E-02	3.45E-02	3.61E-02	3.97E-02	1.14E-03	774
PROJECTED FOR INDIVIDUAL	2.1-3.2 km	1.0000	1.68E-02	1.42E-02	3.03E-02	3.16E-02	3.49E-02	3.65E-02	4.00E-02	1.13E-03	691
PROJECTED FOR INDIVIDUAL	4.0-4.8 km	1.0000	1.77E-02	1.54E-02	3.04E-02	3.18E-02	3.51E-02	3.66E-02	4.01E-02	1.13E-03	745
PROJECTED FOR INDIVIDUAL	5.6-8.1 km	1.0000	1.62E-02	1.32E-02	3.03E-02	3.17E-02	3.50E-02	3.66E-02	4.02E-02	1.15E-03	707
PROJECTED FOR INDIVIDUAL	11.3-16.1 km	1.0000	1.54E-02	1.27E-02	2.64E-02	3.05E-02	3.41E-02	3.58E-02	3.98E-02	1.14E-03	735
PROJECTED FOR INDIVIDUAL	20.9-25.8 km	1.0000	1.40E-02	1.19E-02	2.30E-02	2.61E-02	3.21E-02	3.39E-02	3.82E-02	1.15E-03	602
PROJECTED FOR INDIVIDUAL	32.2-40.2 km	1.0000	1.21E-02	1.06E-02	2.14E-02	2.36E-02	2.96E-02	3.19E-02	3.71E-02	1.15E-03	758
PROJECTED FOR INDIVIDUAL	48.3-64.4 km	1.0000	9.41E-03	8.02E-03	1.91E-02	2.23E-02	2.97E-02	3.25E-02	3.90E-02	1.14E-03	690
PROJECTED FOR INDIVIDUAL	80.5-113 km	1.0000	6.70E-03	5.79E-03	1.34E-02	1.70E-02	2.58E-02	3.01E-02	3.38E-02	1.14E-03	309

		PROB		QUANTILES				PEAK	PEAK	PEAK
		NON-ZERO	MEAN	50TH	90TH	95TH	99TH	99.5TH	CONSEQ	PROB	TRIAL
MAXIMUM ANNUAL FOOD DOSE (THYROID)											
PROJECTED FOR INDIVIDUAL	0.2-0.5 km	1.0000	7.37E-02	7.53E-02	1.09E-01	1.14E-01	1.28E-01	1.34E-01	1.49E-01	1.12E-03	726
PROJECTED FOR INDIVIDUAL	1.2-1.6 km	1.0000	9.19E-02	9.36E-02	1.11E-01	1.16E-01	1.29E-01	1.35E-01	1.49E-01	1.15E-03	688
PROJECTED FOR INDIVIDUAL	2.1-3.2 km	1.0000	9.45E-02	9.36E-02	1.11E-01	1.16E-01	1.29E-01	1.36E-01	1.50E-01	1.15E-03	782
PROJECTED FOR INDIVIDUAL	4.0-4.8 km	1.0000	9.62E-02	9.69E-02	1.11E-01	1.16E-01	1.29E-01	1.35E-01	1.49E-01	1.13E-03	733
PROJECTED FOR INDIVIDUAL	5.6-8.1 km	1.0000	9.36E-02	9.29E-02	1.11E-01	1.16E-01	1.29E-01	1.35E-01	1.49E-01	1.14E-03	718
PROJECTED FOR INDIVIDUAL	11.3-16.1 km	1.0000	9.18E-02	9.01E-02	1.10E-01	1.16E-01	1.29E-01	1.35E-01	1.49E-01	1.14E-03	790
PROJECTED FOR INDIVIDUAL	20.9-25.8 km	1.0000	8.61E-02	8.46E-02	1.09E-01	1.14E-01	1.28E-01	1.34E-01	1.49E-01	1.14E-03	399
PROJECTED FOR INDIVIDUAL	32.2-40.2 km	1.0000	7.70E-02	7.85E-02	1.08E-01	1.13E-01	1.27E-01	1.33E-01	1.48E-01	1.14E-03	736
PROJECTED FOR INDIVIDUAL	48.3-64.4 km	1.0000	6.38E-02	7.06E-02	1.04E-01	1.08E-01	1.18E-01	1.23E-01	1.46E-01	2.38E-04	413
PROJECTED FOR INDIVIDUAL	80.5-113 km	1.0000	5.39E-02	5.50E-02	1.03E-01	1.09E-01	1.24E-01	1.31E-01	1.47E-01	1.14E-03	693

**** Indicates that the value is outside resolution of the analysis.
Optionally increase number of trials for better resolution.

Successful completion of MACCS2 was achieved!
This job required a total of 2094.594 CPU seconds

Input processing required 0.281 CPU seconds
Simulation required 2093.750 CPU seconds
Output processing required 0.562 CPU seconds