



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483


August 14, 2000  
NOC-AE-00000901  
File No.: T04.02,T14.5,  
T20, G25  
10CFR50.55a

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

South Texas Project  
Unit 1  
Docket No. STN 50-498  
Inservice Inspection Summary Report for  
Welds and Component Supports – 1RE09

Enclosed are four copies of the summary report describing inservice inspection examinations of welds and component supports performed prior to and during the South Texas Project Unit 1 ninth refueling outage (1RE09). Examinations were performed on selected Class 1, 2 and 3 components in accordance with the 1983 Edition of ASME Section XI Code with the Summer of 1983 Addenda and other regulatory and code bases as described in the South Texas Project Unit 1 Ten Year ISI Plan. This summary report satisfies the reporting requirements of IWA-6000 of Section XI for welds and component supports.

If there are any questions on this matter, please contact either Mr. M. S. Lashley at (361) 972-7523 or me at (361) 972-7902.

  
T. J. Jordan  
Manager,  
Nuclear Engineering

PLW

Enclosure: 1RE09 Inservice Inspection Summary Report for Welds and Component  
Supports of the South Texas Project Electric Generating Station - Unit 1

A047 1/4

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U. S. Nuclear Regulatory Commission\*  
Attention: Document Control Desk  
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Four copies go to the Nuclear Regulatory Commission. The others get one copy.

**COVER SHEET**

**1RE09 INSERVICE INSPECTION SUMMARY REPORT FOR REPAIRS AND  
REPLACEMENTS**

**SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1**


**P.O. BOX 289**

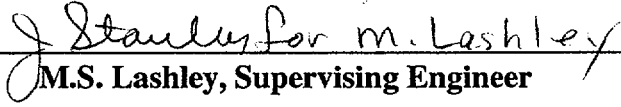
**WADSWORTH, TEXAS 77483**

**USNRC DOCKET NO: 50-499**

**OPERATING LICENSE NO: NPF-80**

**COMMERCIAL OPERATION DATE: AUGUST 25, 1988**

Prepared by:   
D.W. Echard, Engineer

Reviewed by:   
M.S. Lashley, Supervising Engineer

## **SCOPE**

### **1RE09 REPAIRS AND REPLACEMENTS**

The inspections and records summarized in this report were performed in accordance with the 1983 Edition through Summer 1983 Addenda of the ASME Code, Section XI which is applicable to the South Texas Project, Unit 1. This report covers ASME Code Class 1 and 2 pressure-retaining components and their supports, where repair or replacement was performed between the end of the eighth refueling outage and the end of the ninth refueling outage just completed. Section XI paragraph IWA-6230, for ASME Class 1 and 2 Pressure Retaining Components and their Supports requires submittal of this report.



SOUTH TEXAS PROJECT UNIT 1  
ASME SECTION XI  
1RE09 INSERVICE INSPECTION SUMMARY REPORT FOR REPAIRS AND REPLACEMENTS  
(CLASS 1 AND 2)

CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
1	1-98-052	CV	365486	VALVE	1R171TCV0082	KEROTEST	DAP6-4	N/A	REPLACED DISC. SN: AKC10-25	06/06/00
1	1-99-027	SG	389398	STEAM GENERATOR	1R121NSG101D	WESTINGHOUSE	2134	W18694	DRILL/TAP HOLES IN 16" SECONDARY MANWAY COVERS 13-A & 13-B	5/17/00
1	1-99-065	RC	370115	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12269	66	MACHINED RCS NOZZLES (PRIMARY SIDE)	5/09/00
1	1-99-077	SG	370065	STEAM GENERATOR	1R121NSG101A	WESTINGHOUSE	2131	W18691	REMOVED AND REWELDED STEAM GENERATOR (HOT LEG, CROSSOVER)	5/16/00
1	1-99-078	SG	389118	STEAM GENERATOR	1R121NSG101A	WESTINGHOUSE	2131	W18691	REMOVED OLD STEAM GENERATOR	4/25/00
1	1-99-079	SG	370066	STEAM GENERATOR	1R121NSG101B	WESTINGHOUSE	2132	W18692	REMOVED AND REWELDED STEAM GENERATOR (HOT LEG, CROSSOVER)	5/16/00
1	1-99-084	SG	370067	STEAM GENERATOR	1R121NSG101C	WESTINGHOUSE	2133	W18693	REMOVED AND REWELDED STEAM GENERATOR (HOT LEG, CROSSOVER)	5/16/00
1	1-99-085	SG	370068	STEAM GENERATOR	1R121NSG101D	WESTINGHOUSE	2134	W18694	REMOVED AND REWELDED STEAM GENERATOR (HOT LEG, CROSSOVER)	5/16/00
1	1-99-086	RC	370058	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12270	67	MACHINED PRIMARY SIDE NOZZLE PREPS	5/17/00
1	1-99-087	RC	370059	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12271	68	MACHINING ON PRIMARY NOZZLES	5/16/00

SOUTH TEXAS PROJECT UNIT 1  
ASME SECTION XI  
1RE09 INSERVICE INSPECTION SUMMARY REPORT FOR REPAIRS AND REPLACEMENTS  
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CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
1	1-99-088	RC	370060	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12272	69	MACHINING ON PRIMARY SIDE NOZZLES	5/16/00
1	1-99-101	SG	389120	STEAM GENERATOR	1R121NSG101C	WESTINGHOUSE	2133	W18693	REMOVED OLD STEAM GENERATOR	4/6/00
1	1-99-102	SG	389121	STEAM GENERATOR	1R121NSG101D	WESTINGHOUSE	2134	W18694	REMOVED OLD STEAM GENRATOR	6/21/00
1	1-99-107	SG	389123	STEAM GENERATOR	1R121NSG101A	WESTINGHOUSE	SG4L12269	66	REPLACEMENT STEAM GENERATOR	5/16/00
1	1-99-108	SG	389124	STEAM GENERATOR	1R121NSG101B	WESTINGHOUSE	SG4L12270	67	REPLACEMENT STEAM GENERATOR	5/16/00
1	1-99-110	SG	389125	STEAM GENERATOR	1R121NSG101C	WESTINGHOUSE	SG4L12271	68	REPLACEMENT STEAM GENERATOR	5/17/00
1	1-99-113	SG	389126	STEAM GENERATOR	1R121NSG101D	WESTINGHOUSE	SG4L12272	69	REPLACEMENT STEAM GENERATOR	5/16/00
1	1-99-114	SG	389119	STEAM GENERATOR	1R121NSG101B	WESTINGHOUSE	2132	W18692	REMOVED OLD STEAM GENERATOR	4/25/00
1	1-99-125	RC	98000516	VALVE	N1RCPSV3450	CROSBY	N60491-00- 0006 (OLD) N60491-00- 0009 (NEW)	667 1126	REPLACED VALVE AND 3 OUTLET FLANGE STUDS HT.# NRJ	6/15/00
1	1-99-126	RC	98000517	VALVE	N1RCPSV3451	CROSBY	N60491-00- 0002 (OLD) N60491-00- 0008 (NEW)	621 1125	REPLACED VALVE AND 1 OUTLET FLANGE STUD HT.# NRJ	6/15/00

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CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
1	1-99-127	RC	98000518	VALVE	N1RCPSV3452	CROSBY	N60491-00-0001 (OLD) N60491-00-0007 (NEW)	620 1124	REPLACED VALVE AND OUTLET FLANGE STUDS (4 EA.) HT.# NRJ	6/15/00
1	1-99-131	RC	388506	PUMP	1R131NPP101A	WESTINGHOUSE	1-115E580G01	28	REPLACED CARTRIDGE SEAL HOUSING	7/18/00
1	1-99-132	RC	388507	PUMP	1R131NPP101B	WESTINGHOUSE	2-115E580G01	29	REPLACED CARTRIDGE SEAL HOUSING	7/19/00
1	1-99-137	SG	397927	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12269	66	INSTALLED SEAL WELDED DIAPHRAM ON 4" SECONDARY INSPECTION PORTS 2 EA.	6/06/00
1	1-99-138	SG	397928	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12270	67	INSTALLED SEAL WELDED DIAPHRAM ON 4" SECONDARY HANDHOLE PORTS 2 EA.	6/06/00
1	1-99-139	SG	397929	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12271	68	INSTALLED SEAL WELDED DIAPHRAM ON 4" SECONDARY HANDHOLE PORTS 2 EA.	6/06/00

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CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
1	1-99-140	SG	397930	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12272	69	INSTALLED SEAL WELDED DIAPHRAM ON 4" SECONDARY HANDHOLE PORTS 2 EA.	6/06/00
1	1-00-001	SG	397935	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12269	66	DRILL AND TAP HOLES 16" SECONDARY MANWAY COVERS 2 EA. AND 6" SECONDARY MANWAY COVERS 4 EA.	6/06/00
1	1-00-002	SG	397936	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12270	67	DRILLED/TAPPED HOLES FOR 16" SECONDARY MANWAY COVERS 2 EA. AND 6" SECONDARY SIDE HANDHOLE COVERS 4 EA.	6/14/00
1	1-00-003	SG	397937	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12271	68	DRILLED/TAPPED HOLES FOR 16" SECONDARY MANWAY COVERS 2 EA. AND 6" SECONDARY SIDE HANDHOLE COVERS 4 EA.	6/14/00

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1	1-00-004	SG	397938	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12272	69	DRILLED/TAPPED HOLES FOR 16" SECONDARY MANWAY COVERS 2 EA. AND 6" SECONDARY SIDE HANDHOLE COVERS 4 EA.	6/06/00
1	1-00-015	SG	370602	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12269	66	BOLT CHANGEOUT HT.# UC81, RGB, RDZ, UB48, AND UB49	7/10/2000
1	1-00-016	SG	370605	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12270	67	REPLACED STUDS HT.# UC81, RGB, RDZ, UB48, UB49, AND REA	7/10/2000
1	1-00-017	SG	370608	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12271	68	BOLT CHANGEOUT HT.# RDZ, UB48, AND REA	7/10/2000
1	1-00-018	SG	370611	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12272	69	REPLACED PRIMARY, SECONDARY, 6" HANDHOLE COVERS, AND 4", 2" INSPECTION PORTS BOLTING HT.# RFZ, UC81, RGB, RDZ, REW, UB48, AND UB49	7/10/2000
1	1-00-019	RC	399226	SNUBBER	RC1000SS0001	ANCHOR DARLING	370 (OLD) 458 (NEW)	N/A	REPLACED SNUBBER	3/13/00

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1	1-00-025	SG	355233	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12271	68	REPAIRED SECONDARY MANWAY COVER 10A PAD HOLE	4/27/00
2	1-97-008	SI	310724	VALVE	2N121XSI0039B	WESTINGHOUSE	W750002	W14655	REPLACED VALVE STEM LINK ASSEMBLY SN: C43466	6/06/00/
2	1-99-026	SA	383219	VALVE	2Q101TSA0504	ROCKWELL	SV-39 (OLD) VT-2 (NEW)	N/A	REPLACED VALVE	1/18/00
2	1-99-075	SG	370061	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12269	66	MACHINED SECONDARY SIDE NOZZLES AND WELDED REDUCER HT.# FDE	5/09/00
2	1-99-080	MS	370084	PIPE SPOOL	MS-1001	SOUTHWEST FAB	39270 38918	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-081	MS	370085	PIPE SPOOL	MS-1002	SOUTHWEST FAB	39259 38856	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-082	MS	370086	PIPE SPOOL	MS-1003	SOUTHWEST FAB	39260 38818	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-083	MS	370087	PIPE SPOOL	MS-1004	SOUTHWEST FAB	39261 38901	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-089	SG	370062	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12270	67	MACHINED SECONDARY SIDE NOZZLES AND WELDED REDUCER HT.# FDE	5/09/00

SOUTH TEXAS PROJECT UNIT 1  
ASME SECTION XI  
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(CLASS 1 AND 2)

CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
2	1-99-090	SG	370063	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12271	68	MACHINED NOZZLE PREPS FOR SECONDARY SIDE, WELDED REDUCER HT.# FDE	5/09/00
2	1-99-091	SG	370064	STEAM GENERATOR	N/A	WESTINGHOUSE	SG4L12272	69	MACHINED SECONDARY NOZZLES, WELDED REDUCER HT.# FDE	5/09/00
2	1-99-095	SB	389114	PIPE SPOOLS	SB-1101, 1103	SOUTHWEST FAB	423677 819586 1M5952	N/A	REMOVED, MODIFIED, AND INSTALLED PIPE	5/17/00
2	1-99-096	AF	370096	PIPE SPOOL	AF-1008, 1062	SOUTHWEST FAB	39265/33749, 37343	N/A	REMOVED, MODIFIED, AND INSTALLED PIPE	5/16/00
2	1-99-097	SB	389115	PIPE SPOOLS	SB-1201, 1203	SOUTHWEST FAB	056A 819586 1M5952	N/A	REMOVED, MODIFIED, AND INSTALLED PIPE	5/17/00
2	1-99-098	SB	389116	PIPE SPOOLS	SB-1301, 1303	SOUTHWEST FAB	819586 1M5952	N/A	REMOVED, MODIFIED, AND INSTALLED PIPING	5/17/00
2	1/99/099	CV	370083	PIPE SPOOLS	CV-1142, 1002	SOUTHWEST FAB	N6324 37081	N/A	PARTIAL REMOVAL, AND REINSTALLATION OF PIPING	5/18/00
2	1-99-100	FW	370088	PIPE SPOOL	FW-1012	SOUTHWEST FAB	37287 37286	N/A	REWORKED PIPE SPOOLS	5/18/00

SOUTH TEXAS PROJECT UNIT 1  
ASME SECTION XI  
1RE09 INSERVICE INSPECTION SUMMARY REPORT FOR REPAIRS AND REPLACEMENTS  
(CLASS 1 AND 2)

CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
2	1-99-103	AF	370098	PIPE SPOOLS	AF-1010, 1008	SOUTHWEST FAB	37362, 37363	N/A	REMOVAL, MODIFICATION, AND INSTALLATION OF PIPE SPOOLS/FITTINGS HT.# RHN, RJT, OAOB	5/17/00
2	1-99-104	AF	389100	PIPE SPOOL	AF-1012	SOUTHWEST FAB	37341	N/A	REMOVAL, MODIFICATION, AND INSTALLATION OF PIPE SPOOLS/FITTINGS HT.# RHN, RJT	5/17/00
2	1-99-105	AF	389102	PIPE SPOOLS	AF-1006, 1061	SOUTHWEST FAB	39614/19975, 37294	N/A	REMOVED, MODIFIED, AND INSTALLED PIPE	5/17/00
2	1-99-106	SB	389117	PIPE SPOOLS	SB-1401, 1403	SOUTHWEST FAB	819586 423677	N/A	REMOVED, MODIFIED, AND INSTALLED PIPING	5/17/00
2	1-99-111	FW	370090	PIPE SPOOL	FW-1014	SOUTHWEST FAB	37289	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-112	FW	370092	PIPE SPOOL	FW-1016	SOUTHWEST FAB	37291	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-115	FW	370094	PIPE SPOOL	FW-1018	SOUTHWEST FAB	37293	N/A	REWORKED PIPE SPOOLS	5/18/00
2	1-99-116	FW	370089	SUPPORTS	FW-1012	NPSI	23609-21 23935-2 22881-21	N/A	REMOVE/ REWORK PIPE SPOOL SUPPORTS	5/18/00



SOUTH TEXAS PROJECT UNIT 1  
ASME SECTION XI  
1RE09 INSERVICE INSPECTION SUMMARY REPORT FOR REPAIRS AND REPLACEMENTS  
(CLASS 1 AND 2)

CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
2	1-99-118	FW	370091	SUPPORTS	FW-1014	NPSI	23380-13 3006- 1847-10-11	N/A	MODIFIED AND INSTALLED PIPE SUPPORTS	5/18/00
2	1-99-119	FW	370093	SUPPORTS	FW-1016	NPSI	8744-13, 23477-1, 23730-9, 25379-5, 22009-6, 23142-48	N/A	MODIFIED AND INSTALLED SUPPORTS	5/18/00
2	1-99-120	FW	370095	SUPPORTS	FW-1018	NPSI	23142-48	N/A	MODIFIED PIPE SUPPORTS	5/18/00
2	1-99-033	CV	380843	VALVE	2R171TCV0161B	HILLS MCCANNA	385-1180	N/A	REPLACED BALL AND SEAT ASSEMBLY SN: 13632-2	6/12/00
2	1-99-135	SG	370097	PIPE SUPPORT	AF-1008-HL5028	ESI/NPSI	22756-30 23142-88	N/A	REMOVED AND RE-INSTALLED REAR BRACKET	6/06/00
2	1-99-136	AF	370099	SUPPORT	AF-1010- HL5012/AF- 1063-HL5005	NPSI	N/A	N/A	REMOVED AND REINSTALLED NEW PIPE CLAMP/ REMOVED AND REWELDED REAR BRACKET AND INSTALLED TRANSITION KIT FOR FRONT BRACKET	6/13/00
2	1-00-020	CV	388777	VALVE	N1CVFCV0202	AMETEK/ CALMEK	54-89-002 (OLD) 54-76-006 (NEW)	381 635	REPLACED VALVE BODY AND PLUG SN: NP958-011	5/03/00
2	1-00-021	CC	371995	VALVE	2R201TCC0210	ROCKWELL	13-482 (OLD) 12-482 (NEW)	N/A	REPLACED VALVE	6/06/00

SOUTH TEXAS PROJECT UNIT 1  
ASME SECTION XI  
1RE09 INSERVICE INSPECTION SUMMARY REPORT FOR REPAIRS AND REPLACEMENTS  
(CLASS 1 AND 2)

CLASS	R or R NO.	SYSTEM	WORK DOC.	COMPONENT DESCRIPTION	COMPONENT IDENTITY (TAG TPNS)	MFG.	SERIAL NO.	NBN	DESCRIPTION OF WORK	COMP. DATE
2	1-00-022	CC	371956	VALVE	2R201TCC0197	ROCKWELL	12-482 (OLD) 13-482 (NEW)	N/A	REPLACED VALVE	5/17/00
2	1-00-024	CV	388826	VALVE	N1CVFCV0201	AMETEK/ CALMEK	54-89-001 (OLD) 54-76-005 (NEW)	379 634	REPLACED VALVE BODY AND VALVE PLUG HT.# NP958-010	5/17/00
2	1-00-027	WL	394449	VALVE	B1WLFV4913	WKM VALVE DIVISON	70-119184	1877	REPLACED VALVE SEAT & PLUG HT.# 1G5099	5/03/00
2	1-00-035	AF	89001199	VALVE	2S141TAF0121	ANCHOR DARLING	E-6288-35-1	N/A	INSTALLED NEW GASKET RETAINER HT.# 83445	6/15/00
2	1-00-036	SB	380729	SNUBBER	SB1201HL5013	NPSI	619	N/A	REPLACED FORWARD BRACKET	6/15/00
2	1-00-037	SB	380736	SNUBBER	SB1401HL5016	NPSI	324/327	N/A	MODIFIED AND WELDED PADDLES TO FLANGES BRACKET	6/06/00
2	1-00-038	SB	380733	SNUBBER	SB1301HL5011U	NPSI	520	N/A	MODIFIED EXISTING FORWARD BRACKET	6/15/00
2	1-00-039	SB	380734	SNUBBER	SB1301HL5011L	NPSI	579	N/A	MODIFIED EXISTING FORWARD BRACKET	6/15/00
2	1-00-043	MS	393245	VALVE	A1MSFSV7444	ATWOOD AND MORRILL	2-13839	N/A	DRILLED AND TAPPED VALVE COVER	6/27/00

**COVER SHEET**

**1RE09 INSERVICE INSPECTION SUMMARY REPORT  
FOR SYSTEM PRESSURE TESTS  
( CLASS 1 AND 2 )**

**SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1**

**P. O. BOX 289**

**WADSWORTH, TEXAS 77483**

**USNRC DOCKET NO: 50-499**

**OPERATING LICENSE NO: NPF-80**

**COMMERCIAL OPERATION DATE: AUGUST 25, 1988**

**TRACKED BY CR# 00-9271-4**

**Prepared by:**

  
D.W. Echard, Engineer

**Reviewed by:**

  
M. S. Lashley, Supervising Engineer

## **SCOPE**

### **1RE09 SYSTEM PRESSURE TESTS**

The examinations summarized in this report were performed in accordance with the 1983 Edition through Summer 1983 Addenda of the ASME Code, Section XI which is applicable to the South Texas Project, Unit 1. This report covers selected ASME Code Class 1 and 2 Systems/Components. Examinations and tests required by the Code are scheduled in accordance with "Inspection Program B" as defined in IWB-2412 and IWC-2412 for ASME Code Class 1 and 2 Systems/Components. All ASME Code Class 1 components were examined as prescribed by Table IWB-2500-1, Examination Category B-P that established the examination frequency at each refueling outage. The ASME Code Class 2 Systems/Components were selected on a prorated basis. This prorated selection process will continue until all ASME Code Class 2 Systems/Components are examined in accordance with Table IWC-2500-1, Examination Category C-H. This examination category for ASME Code Class 2 Systems/Components established the examination frequency at each inspection period. This completes the third inspection period and the first 10-year Inspection Interval.

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**  
**As required by the Provisions of the ASME Code Rules**

1. Owner STP Nuclear Operating Company, P. O. Box 289, Wadsworth, TX 77483
2. Plant South Texas Project Electric Generating Station P.O. Box 289, Wadsworth, TX 77483
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N/A
7. Components Inspected ASME CODE CLASS 1 PIPING AND COMPONENTS

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REACTOR VESSEL 1R101NRV101A	COMBUSTION ENGR/ WESTINGHOUSE (M)	11073	N/A	22190
STM. GENERATOR 1A 1R121NSG101A	WESTINGHOUSE (M)	2131	N/A	W18691
STM. GENERATOR 1B 1R121NSG101B	WESTINGHOUSE (M)	2132	N/A	W18692
STM. GENERATOR 1C 1R121NSG101C	WESTINGHOUSE (M)	2133	N/A	W18693
STM. GENERATOR 1D 1R121NSG101D	WESTINGHOUSE (M)	2134	N/A	W18694
PRESSURIZER 1A 1R111NPZ101A	WESTINGHOUSE (M)	2141	N/A	W18590
RC PUMP 1A 1R131NPP101A	WESTINGHOUSE (M)	1-115E580G01	N/A	28
RC PUMP 1B 1R131NPP101B	WESTINGHOUSE (M)	2-115E580G01	N/A	29
RC PUMP 1C 1R131NPP101C	WESTINGHOUSE (M)	3-115E580G01	N/A	30
RC PUMP 1D 1R131NPP101D	WESTINGHOUSE (M)	4-115E580G01	N/A	31
CLASS 1 PIPING	EBASCO (I)		N/A	N/A
CLASS 1 VALVES	VARIOUS N/A		N/A	N/A

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in. , (2) Information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

## FORM NIS-1 (Back)

8. Examination Dates 04/28/1999 to 05/15/2000 9. Inspection Interval from 08/25/1988 to 09/24/2000
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Refer to Supplemental Sheet Page 3 of 3.
11. Abstract of conditions Noted  
No relevant conditions affecting pressure-retaining boundaries were noted.
12. Abstract of Corrective Measures Recommended and Taken  
Refer to Supplemental Sheet Page 3 of 3.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date 7/19 2000 Signed STP Nuclear Operating Company By J. Stanley, Cor M. Lashley  
Owner M. S. Lashley  
Reliability Engineering Supervisor

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 4-28-99 to 7-19-00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.



B. R. Russell, Inspector's Signature

Commissions TX-826

National Board, State, Province, and Endorsements

Date 7-19- 2000

**SUPPLEMENTAL PAGE FOR  
ASME CODE CLASS 1 PIPING AND COMPONENTS**

---

1. Owner STP Nuclear Operating Company, P. O. Box 289, Wadsworth, TX 77483
2. Plant South Texas Project Electric Generating Station P.O. Box 289, Wadsworth, TX 77483
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N/A

10. ABSTRACT OF EXAMINATIONS

A System Leakage Test as prescribed in IWA-5211(a) for all ASME Code Class 1 Pressure Retaining Components was conducted in accordance with Table IWB-2500-1, Examination Category B-P, Item Nos. B15.10, B15.20, B15.30, B15.40, B15.50, B15.60, and B15.70.

The Pressure Test and VT-2 visual examinations were conducted in accordance with Plant Surveillance Pressure Test Procedure, OPSP15-RC-0001, Reactor Coolant System Leakage Pressure Test at the conclusion of the ninth refueling outage. ASME Code Class 1 piping and valves are specifically identified in the above referenced procedure.

12. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

The Visual Examinations (VT-2) performed during the Pressure Test found minor leakage at mechanical joints such as valve stems and flanged connections. These leaks were evaluated and determined acceptable for continued operation. Appropriate corrective action was initiated to correct these leaks.

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**  
**As required by the Provisions of the ASME Code Rules**

1. Owner STP Nuclear Operating Company, P. O. Box 289, Wadsworth, TX 77483  
 (Name and Address of Owner)
2. Plant South Texas Project Electric Generating Station P.O. Box 289, Wadsworth, TX 77483  
 (Name and Address of Owner)
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N/A
7. Components Inspected ASME CODE CLASS 2 PIPING AND COMPONENTS

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REGEN HX 1A 2R171NHX101A	JOSEPH OAT CORP	2380-1A	N/A	2051
EXCESS LETDN HX 1A 5R171NHX103A	JOSEPH OAT CORP	2312-3A	N/A	988
SI ACCUM. 1A 2N121NRC101A	WESTINGHOUSE	0043	N/A	362
SI ACCUM. 1B 2N121NRC101B	WESTINGHOUSE	0044	N/A	363
SI ACCUM 1C 2N121NRC101C	WESTINGHOUSE	0045	N/A	364
SI RWST 2N121NTF101A	BROWN MINNEAPOLIS	1100-15	N/A	N/A
LHSI PUMP 1A 2N121NPA102A	PACIFIC PUMP	51701	N/A	420
HHSI PUMP 1A 2N121NPA101A	PACIFIC PUMP	51695	N/A	382
LHSI PUMP 1B 2N121NPA102B	PACIFIC PUMP	51702	N/A	421
HHSI PUMP 1B 2N121NPA101B	PACIFIC PUMP	51696	N/A	383
LHSI PUMP 1C 2N121NPA102C	PACIFIC PUMP	51703	N/A	422
HHSI PUMP 1C 2N121NPA101C	PACIFIC PUMP	51697	N/A	384
ASSOC. CLASS 2 PIPING	EBASCO (I)	N/A	N/A	N/A
ASSOC. CLASS 2 VALVES	VARIOUS	N/A	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



## FORM NIS-1 (Back)

8. Examination Dates 04/28/1999 to 05/15/2000 9. Inspection Interval from 08/25/1988 to 09/24/2000
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Refer to Supplemental Sheet Page 3 of 3.
11. Abstract of Conditions Noted  
No relevant conditions affecting pressure-retaining boundaries were noted.
12. Abstract of Corrective Measures Recommended and Taken  
Refer to Supplemental Sheet Page 3 of 3.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date 7/19 20 00 Signed STP Nuclear Operating Company By M. S. Lashley  
Owner Reliability Engineering Supervisor

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island, have inspected the components described in this Owner's Report during the period 4-28-99 to 7-19-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

## FACTORY MUTUAL SYSTEM

B.R. Russell Commissions TX-826  
B.R. Russell, Inspector's Signature National Board, State, Province, and Endorsements

Date 7-19-2000

**SUPPLEMENTAL FOR  
ASME CODE CLASS 2 PIPING AND COMPONENTS**

1. Owner STP Nuclear Operating Company, P. O. Box 289, Wadsworth, TX 77483  
(Name and Address of Owner)
2. Plant South Texas Project Electric Generating Station P.O. Box 289, Wadsworth, TX 77483  
(Name and Address of Owner)
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N/A

10. ABSTRACT OF EXAMINATIONS

System Functional and Inservice Pressure Tests as prescribed by IWA-5211 (b) and (c), respectively, were conducted on selected ASME Code Class 2 pressure retaining components in accordance with Table IWC-2500-1, Examination Category C-H, Item Nos. C7.20, C7.40, C7.60 and C7.80.

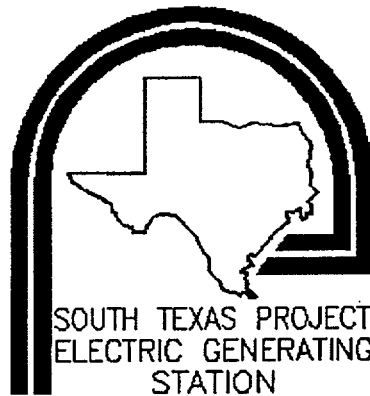
The Pressure Tests and VT-2 visual examinations were conducted during the third period of examination in accordance with the following Plant Surveillance Pressure Test Procedures:

0PSP15-CV-0007	Chemical and Volume Control System Inservice Pressure Test (IRC)
0PSP15-RC-0001	Reactor Coolant System Leakage Pressure Test
0PSP15-SI-0001	Safety Injection System Functional Pressure Test

ASME Code Class 2 piping and valves are specifically identified in the above referenced procedures. These test procedures were conducted during the time period of April 28, 1999 to May 15, 2000.

12. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

The Visual Examinations (VT-2) performed during these Pressure Tests found only minor leakage at mechanical joints such as valve stems and flanged connections. These leaks were evaluated and determined acceptable for continued system operation. Appropriate corrective action was initiated to correct these leaks.



**1RE09 INSERVICE INSPECTION SUMMARY  
REPORT  
FOR WELDS AND  
COMPONENT SUPPORTS**

**of the**

**SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION - UNIT 1**

**P.O. Box 289**

**Wadsworth, Texas 77483**

**Operator: STP Nuclear Operating Company**

**Address: P.O. Box 1700  
Houston, TX 77001**

**Commercial  
Operation: AUGUST 25, 1988**

**Issue Date: AUGUST 2000**

**1RE09 INSERVICE INSPECTION SUMMARY REPORT**  
**FOR**  
**WELDS AND COMPONENT SUPPORTS**  
**of the**  
**SOUTH TEXAS PROJECT ELECTRIC GENERATING**  
**STATION**  
**UNIT NO. 1**

USNRC DOCKET NO.: 50-498

OPERATING LICENSE NO.: NPF-76

COMMERCIAL OPERATION DATE: August 25, 1988

Prepared by: J. C. Younger 8/7/2000  
J. C. Younger Date  
ISI Engineer - Welds & Component Supports

Reviewed by: J. E. Stauber 8/8/2000  
J. E. Stauber Date  
Consulting Engineer – Test Engineering Section

Approved by: J. E. Stauber for M. S. Lashley 8/8/2000  
M. S. Lashley Date  
Supervisor – Test Engineering Section

**1RE09 Inservice Inspection Summary Report for  
Welds and Component Supports  
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 <b>APPENDIX C</b>	 ISI Limitations
 <b>APPENDIX D</b>	 NIS-1 Forms: Owner's Report for Inservice Inspection

# 1RE09 Inservice Inspection Summary Report for Welds and Component Supports

## INTRODUCTION

This Summary Report describes STP Nuclear Operating Company's (STPNOC) inservice inspection (ISI) of selected Class 1, 2, and 3 components of the South Texas Project Electric Generating Station, Unit 1 (STPEGS-1) performed prior to and during the ninth refueling outage (1RE09) of STPEGS-1. The STPEGS ISI program for welds and component supports is scheduled in accordance with Program B of the American Society of Mechanical Engineers (ASME) Section XI Code "Inservice Inspection of Nuclear Power Plant Components". The first ten year inspection interval of STPEGS-1 began August 25, 1988. Because STPEGS-1 was out of service continuously for 13 months, the inspection interval was extended for an equivalent period in accordance with IWA-2400(c) of ASME Section XI. ***The inspection interval is also extended an additional 12 months as allowed by IWA-2400(c). This extends the first inspection interval to September 24, 2000.*** The ISI summarized herein is for the fourth ISI activities of the third inspection period of STPEGS-1. The third inspection period began April 25, 1996 and extends to September 24, 2000.

The STPEGS-1 ISI program for the first inspection interval is described in the Ten Year ISI Plan previously filed with the Nuclear Regulatory Commission (NRC) and the State of Texas. The STPEGS-1 ISI program was developed and is being implemented in accordance with 10CFR50.55a, the 1983 Edition of Section XI Code with the Summer 1983 Addenda, and other regulatory and Code bases as specified in the Ten Year ISI Plan. This Summary Report satisfies the reporting requirements of IWA-6000 of the Section XI Code for welds and component supports.

### ***Scope of Summary Report***

This Summary Report describes the ISI examinations performed prior to and during the 1RE09 refueling outage on Class 1 and 2 welds (Section 2) and Class 2, and 3 component supports (Section 3). Each of these sections describes the scope of examinations performed; examination results, and corrective actions (if needed). The appendices of this report provide a listing of the weld examinations (Appendix A), listing of component supports examinations (Appendix B), ISI limitations (Appendix C) and copies of the NIS-1 Forms: Owner's Report for Inservice Inspection (Appendix D).

# 1RE09 Inservice Inspection Summary Report for Welds and Component Supports

## WELDS

This section of the Summary Report documents the examinations performed by STPNOC NDE Group and contractor nondestructive examination (NDE) personnel in accordance with the following documents:

- (1) First 10-Year Long-Term Inservice Examination Plan for the South Texas Project Electric Generating Station, Unit 1 (LTP),
- (2) Examination Plan for the 2000 - 1RE09 Inservice Inspection of Welds and Component Supports at the South Texas Project Electric Generating Station, Unit 1, (including any changes made during the performance of the examinations)

The Long-Term Plan (LTP) provides a detailed description of the rules for exemption, selection, allocation, and scheduling of Class 1 and 2 welds and examination areas for ISI.

### *Scope of Examinations*

NDE was performed on selected Class 1 and Class 2 components and examination areas as contained in the Examination Plan. Any deviations or changes were documented as Examination Plan Changes to the Examination Plan. A complete listing of the components and examination areas and other pertinent information is contained in Appendix A. Class 1 and Class 2 weld identification figures referenced in the Tables of Appendix A are contained in the LTP. All four Unit 1 Steam Generators were replaced during this outage and preservice examinations (PSI) were performed on the Replacement Steam Generators (RSGs) and selected piping welds as a result of the installation.

STPNOC NDE personnel performed all examinations except as follows:

1. WesDyne International NDE personnel performed all PSI examinations on the RSGs except for VT of the Primary Manway Bolting.
2. WesDyne International NDE personnel under the direction of Bechtel performed all PSI of the RC piping welds connecting to the RSGs.

The examinations completed during 1RE09 and previous refueling outages constitute the following percentages of completion for Class 1 and Class 2 components during the first inspection interval:

	<b>Cumulative (1st Interval)</b>
<b>Class 1 (IWB)</b>	<b>100 %</b>
<b>Class 2 (IWC)</b>	<b>100 %</b>

# 1RE09 Inservice Inspection Summary Report for Welds and Component Supports

## ***Summary of Examinations***

### **Examination Methods**

The following examination methods were conducted:

#### VT Examinations

**VT-1:** Visual examination conducted to determine the condition of the part, component, or surface examined, including such conditions as cracks, wear, corrosion, erosion, or physical damage on the surfaces of the part or component.

**VT-3:** Visual examination conducted to determine the general mechanical and structural conditions of components.

#### PT Examinations

**PT:** Liquid penetrant examination conducted to detect surface defects.

#### MT Examinations

**MT:** Magnetic particle examination conducted to detect surface defects.

#### UT Examinations

**UT:** Ultrasonic examination conducted to detect the presence of discontinuities throughout the volume of weld and base material.

### **Examination Results and Corrective Actions**

Examination area coverage was provided, to the extent practical, in accordance with the requirements of ASME Section XI and Code Case N-408. In those cases where physical conditions of the component restricted examination of the required area, the amount of coverage achieved was assessed. Appendix C, ISI Examination Limitations, contains a detailed account of examination limitations encountered during 1RE09 weld examinations for limitations that were 10% or greater.

All UT indications determined to be recordable, regardless of signal amplitude, were investigated to determine the nature of the reflector. Indications determined to be other than geometry were evaluated to ASME Section XI criteria.

### **Additional and Successive Examinations**

If examinations reveal indications that exceed allowable indication standards, additional examinations are required as prescribed in IWB-2430 and IWC-2430. No additional examinations of Class 1 or Class 2 components (IWB/TWC-2430) were required during this outage.



## 1RE09 Inservice Inspection Summary Report for Welds and Component Supports

Successive examinations are required if flaw indications are evaluated in accordance with IWB-3122.4 and the component qualifies as acceptable for continued service. No successive examinations (IWB-2420 or IWC-2420) will be scheduled as a result of examinations performed during this outage.

### ***Certification of Inspections***

ASME Section XI NIS-1 forms, "Owner's Report for Inservice Inspections", have been prepared to certify the STPEGS-1 weld ISI examinations described in this section of the Summary Report. The STPEGS-1 weld ISI examinations have been certified by our ANIL, Factory Mutual Insurance Company, on the NIS-1 forms included in Appendix D.

# 1RE09 Inservice Inspection Summary Report for Welds and Component Supports

## COMPONENT SUPPORTS

### *Introduction*

This Section of the Summary Report documents the examinations of component supports performed by STPNOC NDE Group and contractor NDE personnel in accordance with the following documents:

- (1) STPNOC (HL&P) Specification 5U035JS0003: Inservice Inspection Examination of Component Supports of South Texas Project Electric Generating Station, Unit 1, First Inspection Interval
- (2) Examination Plan for the 2000 - 1RE09 Inservice Inspection of Welds and Component Supports at the South Texas Project Electric Generating Station, Unit 1, including changes made during the outage (Examination Plan).

The Specification provides a detailed description of the rules for exemption and selection of Class 1, 2, and 3 component supports for ISI. The 1RE09 Examination Plan is an individual Examination Plan for implementing ISI component support examinations as designated in the Specification. Any deviations or changes were documented as Examination Plan Changes to the Examination Plan.

### *Scope of Examinations*

A complete listing of component supports examined during 1RE09 is contained in Appendix B. The examinations completed during 1RE09 and previous refueling outages constitute the following percentages of completion for Class 1, 2, and 3 component supports:

	<b>Cumulative (1st Interval)</b>
<b>Class 1 (IWF)</b>	<b>100 % (none examined during 1RE09)</b>
<b>Class 2 (IWF)</b>	<b>100%</b>
<b>Class 3 (IWF)</b>	<b>100%</b>

### *Summary of Examinations*

#### **Examination Methods**

The following visual examination methods were conducted for the ISI of component supports:

**VT-3:** Visual examination conducted to determine the general mechanical and structural conditions of components.

**VT-4:** Visual examination conducted to determine conditions related to the operability of components or devices.

## 1RE09 Inservice Inspection Summary Report for Welds and Component Supports

### **Examination Results and Corrective Actions**

The visual examinations performed on component supports during 1RE09 did not reveal any relevant conditions.

### **Additional and Successive Examinations**

The results of the visual examinations of component supports performed during 1RE09 did not require that any additional examinations (IWF-2430) be performed or any successive examinations (IWF-2420) be scheduled.

### ***Certification of Inspections***

Section XI NIS-1 forms, "Owner's Report for Inservice Inspections", have been prepared to certify the STPEGS-1 component support ISI examinations described in this section of the Summary Report. The STPEGS-1 component support ISI examinations have been certified by our ANII, Factory Mutual Insurance Company, on the NIS-1 forms included in Appendix D.

**APPENDIX A**

**WELDS LISTING**

**EXAMINATION RESULTS LEGEND**

- |          |  |
|----------|--|
| <b>B</b> | Baseline Examination                         |
| <b>C</b> | Examination for Section XI Scheduling Credit |

DATE: 08/03/2000

STPEGS - INTERVAL 1 - WELDS UNIT 1

PAGE: 1

REVISION: 0

INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 1 CB STATUS COMPONENTS

## REPLACEMENT STEAM GENERATOR 1A (PRIMARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C M	O G E O M R	T H E R E M A R K S  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO					
HEAD WELDS (REF. DWG. NO. A-RSG-1)							
015920	RSG-1A-T1 CHANNEL HEAD TO TUBEPLATE	B-B(R) B2.40	UT	Wesdyne	B	- -	**5D90335 (W) **
-----							
NOZZLE INSIDE RADIUS SECTION (REF. DWG. NO. A-RSG-1)							
015930	RSG-1A-IN-IR INLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	- -	**6148E57 (W) **
-----							
015940	RSG-1A-ON-IR OUTLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	- -	**6148E57 (W) **
-----							
DISSIMILAR METAL WELDS (REF. DWG. NO. A-RSG-1)							
5950	RSG-1A-IN-SE SAFE END TO INLET NOZZLE	B-F(R) B5.70	UT	Wesdyne	B	- -	**9741D22 (W) **
-----							
015955	RSG-1A-ON-SE OUTLET NOZZLE TO SAFE END	B-F(R) B5.70	UT	Wesdyne	B	- -	**9741D22 (W) **
-----							
MANWAY BOLTING (REF. DWG. NO. A-RSG-1)							
015960	RSG-1A-IMB INLET MANWAY BOLTING	B-G-2 (R) B7.30	VT-1	ZA-0024 R2	B	- -	
-----							
015970	RSG-1A-OMB OUTLET MANWAY BOLTING	B-G-2 (R) B7.30	VT-1	ZA-0024 R2	B	- -	

DATE: 08/03/2000

STPEGS - INTERVAL 1 - WELDS UNIT 1

PAGE: 2

REVISION: 0

INSERVICE INSPECTION SUMMARY 1RE09 WELDS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 1 CB STATUS COMPONENTS

## APLACEMENT STEAM GENERATOR 1B (PRIMARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
HEAD WELDS (REF. DWG. NO. A-RSG-2)								
016920	RSG-1B-T1 CHANNEL HEAD TO TUBEPLATE	B-B(R) B2.40	UT	Wesdyne	B	-	-	**5D90335 (W) **
-----								
NOZZLE INSIDE RADIUS SECTION (REF. DWG. NO. A-RSG-2)								
016930	RSG-1B-IN-IR INLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	-	-	**6148E57 (W) **
-----								
016940	RSG-1B-ON-IR OUTLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	-	-	**6148E57 (W) **
-----								
DISSIMILAR METAL WELDS (REF. DWG. NO. A-RSG-2)								
5950	RSG-1B-IN-SE SAFE END TO INLET NOZZLE	B-F(R) B5.70	UT	Wesdyne	B	-	-	**9741D22 (W) **
-----								
016955	RSG-1B-ON-SE OUTLET NOZZLE TO SAFE END	B-F(R) B5.70	UT	Wesdyne	B	-	-	**9741D22 (W) **
-----								
MANWAY BOLTING (REF. DWG. NO. A-RSG-2)								
016960	RSG-1B-IMB INLET MANWAY BOLTING	B-G-2 (R) B7.30	VT-1	ZA-0024 R2	B	-	-	
-----								
016970	RSG-1B-OMB OUTLET MANWAY BOLTING	B-G-2 (R) B7.30	VT-1	ZA-0024 R2	B	-	-	

DATE: 08/03/2000

STPEGS - INTERVAL 1 - WELDS UNIT 1

PAGE: 3

REVISION: 0

INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 1 CB STATUS COMPONENTS

APLACEMENT STEAM GENERATOR 1C (PRIMARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
HEAD WELDS (REF. DWG. NO. A-RSG-1)								
017920	RSG-1C-T1 CHANNEL HEAD TO TUBEPLATE	B-B(R) B2.40	UT	Wesdyne	-	-	B	08/02/2000 - Acceptable indication within allowable limits. **5D90335 (W)**
NOZZLE INSIDE RADIUS SECTION (REF. DWG. NO. A-RSG-1)								
017930	RSG-1C-IN-IR INLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	-	-	**6148E57 (W)**
DISSIMILAR METAL WELDS (REF. DWG. NO. A-RSG-1)								
017940	RSG-1C-ON-IR OUTLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	-	-	**6148E57 (W)**
DISSIMILAR METAL WELDS (REF. DWG. NO. A-RSG-1)								
017950	RSG-1C-ON-SE OUTLET NOZZLE TO SAFE END	B-F(R) B5.70	UT	Wesdyne	B	-	-	**9741D22 (W)**
DISSIMILAR METAL WELDS (REF. DWG. NO. A-RSG-1)								
017955	RSG-1C-IN-SE SAFE END TO INLET NOZZLE	B-F(R) B5.70	UT	Wesdyne	B	-	-	**9741D22 (W)**
MANWAY BOLTING (REF. DWG. NO. A-RSG-1)								
017960	RSG-1C-IMB INLET MANWAY BOLTING	B-G-2(R) B7.30	VT-1	ZA-0024 R2	B	-	-	
MANWAY BOLTING (REF. DWG. NO. A-RSG-1)								
017970	RSG-1C-OMB OUTLET MANWAY BOLTING	B-G-2(R) B7.30	VT-1	ZA-0024 R2	B	-	-	

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 1 CB STATUS COMPONENTS

## REPLACEMENT STEAM GENERATOR 1D (PRIMARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
HEAD WELDS (REF. DWG. NO. A-RSG-2)								
018920	RSG-1D-T1 CHANNEL HEAD TO TUBEPLATE	B-B(R) B2.40	UT	Wesdyne	B	-	-	**5D90335(W)**
-----								
NOZZLE INSIDE RADIUS SECTION (REF. DWG. NO. A-RSG-2)								
018930	RSG-1D-IN-IR INLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	-	-	**6148E57(W)**
-----								
018940	RSG-1D-ON-IR OUTLET NOZZLE INSIDE RADIUS SECTION	B-D(R) B3.140	UT	Wesdyne	B	-	-	**6148E57(W)**
-----								
DISSIMILAR METAL WELDS (REF. DWG. NO. A-RSG-2)								
8950	RSG-1D-IN-SE SAFE END TO INLET NOZZLE	B-F(R) B5.70	UT	Wesdyne	B	-	-	**9741D22(W)**
-----								
018955	RSG-1D-ON-SE OUTLET NOZZLE TO SAFE END	B-F(R) B5.70	UT	Wesdyne	B	-	-	**9741D22(W)**
-----								
MANWAY BOLTING (REF. DWG. NO. A-RSG-2)								
018960	RSG-1D-IMB INLET MANWAY BOLTING	B-G-2(R) B7.30	VT-1	ZA-0024 R2	B	-	-	
-----								
018970	RSG-1D-OMB OUTLET MANWAY BOLTING	B-G-2(R) B7.30	VT-1	ZA-0024 R2	B	-	-	



STPEGS - INTERVAL 1 - WELDS UNIT 1

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 1 CB STATUS COMPONENTS

## REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	T H E R M	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
31-RC-1102-NSS - LOOP 1 (REF. DWG. NO. A-RC-1)								
100005	1.1	B-J(R)	PT	Bechtel/WesDyne	B	-	-	08/02/2000 - FW0005
	SG OUTLET NOZZLE SAFE	B9.11	UT	Bechtel/WesDyne	B	-	-	**9741D22 (W) /CSS-80**
	END TO ELBOW							
31-RC-1202-NSS - LOOP 2 (REF. DWG. NO. A-RC-1)								
100185	1.1	B-J(R)	PT	Bechtel/WesDyne	B	-	-	08/02/2000 - FW0013
	SG OUTLET NOZZLE SAFE	B9.11	UT	Bechtel/WesDyne	B	-	-	**9741D22 (W) /CSS-80**
	END TO ELBOW							
31-RC-1302-NSS - LOOP 3 (REF. DWG. NO. A-RC-1)								
100365	1.1	B-J(R)	PT	Bechtel/WesDyne	B	-	-	08/02/00 - FW0021
	SG OUTLET NOZZLE SAFE	B9.11	UT	Bechtel/WesDyne	B	-	-	**9741D22 (W) /CSS-80**
	END TO ELBOW							
31-RC-1402-NSS - LOOP 4 (REF. DWG. NO. A-RC-1)								
100545	1.1	B-J(R)	PT	Bechtel/WesDyne	B	-	-	08/02/2000 - FW0029
	SG OUTLET NOZZLE SAFE	B9.11	UT	Bechtel/WesDyne	B	-	-	**9741D22 (W) /CSS-80**
	END TO ELBOW							
29-RC-1101-NSS - LOOP 1 (REF. DWG. NO. A-RC-1)								
100765	5.1	B-J(R)	PT	Bechtel/WesDyne	B	-	-	08/02/2000 - FW0002
	ELBOW TO SG INLET	B9.11	UT	Bechtel/WesDyne	B	-	-	**9741D22 (W) /CSS-80**
	NOZZLE SAFE END							
29-RC-1201-NSS - LOOP 2 (REF. DWG. NO. A-RC-1)								
100905	5.1	B-J(R)	PT	Bechtel/WesDyne	B	-	-	08/02/2000 - FW0012
	ELBOW TO SG INLET	B9.11	UT	Bechtel/WesDyne	B	-	-	**9741D22 (W) /CSS-80**
	NOZZLE SAFE END							
29-RC-1301-NSS - LOOP 3 (REF. DWG. NO. A-RC-1)								

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## REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD		PROCEDURE	N O G T R E H E O E C M R	REMARKS  **CALIBRATION BLOCK**
<b>29-RC-1301-NSS - LOOP 3 (REF. DWG. NO. A-RC-1)</b>							
101045	5.1	B-J(R)	PT		Bechtel/WesDyne	B - -	08/02/2000 - FW0018
	ELBOW TO SG INLET	B9.11	UT		Bechtel/WesDyne	B - -	**9741D22(W)/CSS-80**
	NOZZLE SAFE END						
<b>29-RC-1401-NSS - LOOP 4 (REF. DWG. NO. A-RC-1)</b>							
101175	4.1	B-J(R)	PT		Bechtel/WesDyne	B - -	08/02/2000 - FW0028
	ELBOW TO SG INLET	B9.11	UT		Bechtel/WesDyne	B - -	**9741D22(W)/CSS-80**
	NOZZLE SAFE END						
<b>6-RC-1004-NSS (REF. DWG. NO. A-RC-6)</b>							
103950	7FB	B-G-2	VT-1		ZA-0024 R2	B - -	00 - PERFORMED BASELINE VISUAL EXAMINATION ON FLANGE BOLTING REPLACED AS A RESULT OF THE INSTALLATION OF VALVE NO.PSV-3452 IN ACCORDANCE WITH PM 98000516 (WAN:135494).
	FLANGE BOLTING (N1RCPSV3452)	B7.50					
<b>6-RC-1009-NSS (REF. DWG. NO. A-RC-6)</b>							
104130	9FB	B-G-2	VT-1		ZA-0024 R2	B - -	00 - PERFORMED BASELINE VISUAL EXAMINATION ON FLANGE BOLTING REPLACED AS A RESULT OF THE INSTALLATION OF VALVE NO.PSV-3451 IN ACCORDANCE WITH PM 98000517 (WAN:135495).
	FLANGE BOLTING (N1RCPSV3451)	B7.50					
<b>6-RC-1012-NSS (REF. DWG. NO. A-RC-6)</b>							
104330	11FB	B-G-2	VT-1		ZA-0024 R2	B - -	00 - PERFORMED BASELINE VISUAL EXAMINATION ON FLANGE BOLTING REPLACED AS A RESULT OF THE INSTALLATION OF VALVE NO.PSV-3450 IN ACCORDANCE WITH PM 98000518 (WAN:135496).
	FLANGE BOLTING (N1RCPSV3450)	B7.50					

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 1 CB STATUS COMPONENTS

VALVES

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C M R	O G E O E M R	REMARKS **CALIBRATION BLOCK**
VALVE GROUP 1 (REF. DWG. NO. )							
261100	PSV 3452-VB ON FIG NO A-RC-6	B-G-2(C) B7.70	VT-1	ZA-0024 R2	B	- -	00 - PERFORMED BASELINE VISUAL EXAMINATION ON VALVE BOLTING ON REPLACEMENT VALVE INSTALLED PER PM: 98000516 (WAN: 135494).
261150	PSV 3452-VIS ON FIG NO A-RC-6	B-M-2(C) B12.50	VT-3	ZA-0024 R2	B	- -	00 - PERFORMED BASELINE VISUAL EXAMINATION OF INTERIOR OF REPLACEMENT VALVE INSTALLED PER PM: 98000516 (WAN: 135494).
261200	PSV 3451-VB ON FIG NO A-RC-6	B-G-2(C) B7.70	VT-1	ZA-0024 R2	B	- -	00 - PERFORMED BASELINE VISUAL EXAMINATION ON VALVE BOLTING ON REPLACEMENT VALVE INSTALLED PER PM: 98000517 (WAN: 135495).
261250	PSV 3451-VIS ON FIG NO A-RC-6	B-M-2(C) B12.50	VT-3	ZA-0024 R2	B	- -	00 - PERFORMED BASELINE VISUAL EXAMINATION OF INTERIOR OF REPLACEMENT VALVE INSTALLED PER PM: 98000517 (WAN: 135495).
261300	PSV 3450-VB ON FIG NO A-RC-6	B-G-2(C) B7.70	VT-1	ZA-0024 R2	B	- -	00 - PERFORMED BASELINE VISUAL EXAMINATION ON VALVE BOLTING ON REPLACEMENT VALVE INSTALLED PER PM: 98000518 (WAN: 135496).
261350	PSV 3450-VIS ON FIG NO A-RC-6	B-M-2(C) B12.50	VT-3	ZA-0024 R2	B	- -	00 - PERFORMED BASELINE VISUAL EXAMINATION OF INTERIOR OF REPLACEMENT VALVE INSTALLED PER PM: 98000518 (WAN: 135496).

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 2 CB STATUS COMPONENTS

## REPLACEMENT STEAM GENERATOR 1A (SECONDARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E E C M R	O G T H E O E C M R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO					
CIRCUMFERENTIAL WELDS (REF. DWG. NO. B-RSG-1)							
300800	RSG-1A-T1 TUBEPLATE TO LOWER SHELL BARREL A	C-A(R) C1.30	UT	Wesdyne	-	-	B 08/02/2000 - ACCEPTABLE INDICATIONS WITHIN ALLOWABLE LIMITS. **5D90334 (W)**
-----							
300850	RSG-1A-H6 BARREL J TO HEAD	C-A(R) C1.20	UT	Wesdyne	-	-	B 08/02/2000 - ACCEPTABLE INDICATIONS WITHIN ALLOWABLE LIMITS. **5DE90334 (W)**
-----							
NOZZLE TO SHELL WELDS AND INSIDE RADIUS SECTIONS (REF. DWG. NO. B-RSG-1)							
300900	RSG-1A-FW7 FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	- **5DE90334 (W)**
-----							
300910	RSG-1A-FW7-IR FEEDWATER NOZZLE INNER RADIUS	C-B(R) C2.22	UT	Wesdyne	B	-	- **5DE90334 (W)**
-----							
300920	RSG-1A-AF8 AUXILIARY FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	- **5DE90334 (W)**
-----							
INTEGRAL ATTACHMENTS (REF. DWG. NO. B-RSG-1)							
300950	RSG-1A-TR-LS-A LOWER SHELL TRUNNION A	C-C(R) C3.10	MT	Wesdyne	B	-	-
-----							
300960	RSG-1A-TR-LS-B LOWER SHELL TRUNNION B	C-C(R) C3.10	MT	Wesdyne	B	-	-

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 2 CB STATUS COMPONENTS

## PLACEMENT STEAM GENERATOR 1B (SECONDARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
CIRCUMFERENTIAL WELDS (REF. DWG. NO. B-RSG-1)								
302000	RSG-1B-T1 TUBEPLATE TO LOWER SHELL BARREL A	C-A(R) C1.30	UT	Wesdyne	B	-	-	**5D90334 (W) **
-----								
302050	RSG-1B-H6 BARREL J TO HEAD	C-A(R) C1.20	UT	Wesdyne	B	-	-	**5DE90334 (W) **
-----								
NOZZLE TO SHELL WELDS AND INSIDE RADIUS SECTIONS (REF. DWG. NO. B-RSG-1)								
302100	RSG-1B-FW7 FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	-	**5DE90334 (W) **
-----								
302110	RSG-1B-FW7-IR FEEDWATER NOZZLE INNER RADIUS	C-B(R) C2.22	UT	Wesdyne	B	-	-	**5DE90334 (W) **
-----								
302120	RSG-1B-AF8 AUXILIARY FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	-	**5DE90334 (W) **
-----								
INTEGRAL ATTACHMENTS (REF. DWG. NO. B-RSG-1)								
302150	RSG-1B-TR-LS-A LOWER SHELL TRUNNION A	C-C(R) C3.10	MT	Wesdyne	B	-	-	
-----								
302160	RSG-1B-TR-LS-B LOWER SHELL TRUNNION B	C-C(R) C3.10	MT	Wesdyne	B	-	-	

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 2 CB STATUS COMPONENTS

## REPLACEMENT STEAM GENERATOR 1C (SECONDARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C M	O G T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO					
CIRCUMFERENTIAL WELDS (REF. DWG. NO. B-RSG-1)							
303000	RSG-1C-T1 TUBEPLATE TO LOWER SHELL BARREL A	C-A(R) C1.30	UT	Wesdyne	-	-	B 08/02/2000 - ACCEPTABLE INDICATIONS WITHIN ALLOWABLE LIMITS. **5D90334 (W)**
-----							
303050	RSG-1C-H6 BARREL J TO HEAD	C-A(R) C1.20	UT	Wesdyne	-	-	B 08/02/2000 - ACCEPTABLE INDICATIONS WITHIN ALLOWABLE LIMITS. **5DE90334 (W)**
-----							
NOZZLE TO SHELL WELDS AND INSIDE RADIUS SECTIONS (REF. DWG. NO. B-RSG-1)							
303100	RSG-1C-FW7 FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	- **5DE90334 (W)**
-----							
303110	RSG-1C-FW7-IR FEEDWATER NOZZLE INNER RADIUS	C-B(R) C2.22	UT	Wesdyne	B	-	- **5DE90334 (W)**
-----							
303120	RSG-1C-AF8 AUXILIARY FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	- **5DE90334 (W)**
-----							
INTEGRAL ATTACHMENTS (REF. DWG. NO. B-RSG-1)							
303150	RSG-1C-TR-LS-A LOWER SHELL TRUNNION A	C-C(R) C3.10	MT	Wesdyne	B	-	-
-----							
303160	RSG-1C-TR-LS-B LOWER SHELL TRUNNION B	C-C(R) C3.10	MT	Wesdyne	B	-	-

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STPEGS - INTERVAL 1 - WELDS UNIT 1  
 INSERVICE INSPECTION SUMMARY 1RE09 WELDS  
 FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
 CLASS 2 CB STATUS COMPONENTS

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## REPLACEMENT STEAM GENERATOR 1D (SECONDARY SIDE)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E O C	G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
CIRCUMFERENTIAL WELDS (REF. DWG. NO. B-RSG-1)								
304000	RSG-1D-T1 TUBEPLATE TO LOWER SHELL BARREL A	C-A(R) C1.30	UT	Wesdyne	-	-	B	08/02/2000 - ACCEPTABLE INDICATIONS WITHIN ALLOWABLE LIMITS. **5D90334 (W) **
-----								
304050	RSG-1D-H6 BARREL J TO HEAD	C-A(R) C1.20	UT	Wesdyne	B	-	-	**5DE90334 (W) **
-----								
NOZZLE TO SHELL WELDS AND INSIDE RADIUS SECTIONS (REF. DWG. NO. B-RSG-1)								
304100	RSG-1D-FW7 FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WesDyne WesDyne	B	-	-	**5DE90334 (W) **
-----								
304110	RSG-1D-FW7-IR FEEDWATER NOZZLE INNER RADIUS	C-B(R) C2.22	UT	Wesdyne	B	-	-	**5DE90334 (W) **
-----								
304120	RSG-1D-AF8 AUXILIARY FEEDWATER NOZZLE TO SHELL	C-B(R) C2.21	MT UT	WESDYNE WESDYNE	B	-	-	**5DE90334 (W) **
-----								
INTEGRAL ATTACHMENTS (REF. DWG. NO. B-RSG-1)								
304150	RSG-1D-TR-LS-A LOWER SHELL TRUNNION A	C-C(R) C3.10	MT	Wesdyne	B	-	-	
-----								
304160	RSG-1D-TR-LS-B LOWER SHELL TRUNNION B	C-C(R) C3.10	MT	Wesdyne	B	-	-	

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INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 2 CB STATUS COMPONENTS

## JXILIARY FEEDWATER SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O T O G T R E H E O E C M R			REMARKS  **CALIBRATION BLOCK**
		SEC. XI						
		CATEGORY ITEM NO						
8 (6) -AF-1012-GA2 (REF. DWG. NO. B-AF-7)								
357765	2.1	C-F-2 (R)	MT	ZA-0018 R2	B	-	-	**CS-73**
	PIPE TO ELBOW	C5.51	UT	UTI004 R3	B	-	-	
			UT	UTI002 R3	-	B	-	



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INSERVICE INSPECTION SUMMARY 1RE09 WELDS

FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)

CLASS 2 CB STATUS COMPONENTS

## LEADWATER SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C	O G E O M	O T H E R	REMARKS **CALIBRATION BLOCK**
16-FW-1012-GA2 (REF. DWG. NO. B-FW-2)								
505950	3.1	C-F-2(R)	MT	ZA-0018 R2	B	-	-	05/07/2000 - ACCEPTABLE 0-DEGREE
	ELBOW TO PIPE	C5.51	UT	UT1004 R3	-	-	B	SPOT INDICATION WITH NO MEASUREABLE
			UT	UT1002 R3	-	B	-	LENGTH. **CS-15**
16-FW-1014-GA2 (REF. DWG. NO. B-FW-4)								
506550	5.1	C-F-2(R)	MT	ZA-0018 R2	B	-	-	05/07/2000 - ACCEPTABLE LAMINAR
	ELBOW TO PIPE	C5.51	UT	UT1004 R3	-	-	B	INDICATION WILL INTERFERE WITH
			UT	UT1002 R3	B	-	-	ANGLE BEAM EXAMINATION. **CS-15**
16-FW-1016-GA2 (REF. DWG. NO. B-FW-6)								
507100	4.1	C-F-2(R)	MT	ZA-0018 R2	B	-	-	**CS-15**
	PIPE TO ELBOW	C5.51	UT	UT1004 R3	B	-	-	
			UT	UT1002 R3	-	B	-	

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## IN STEAM SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C M	O G T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO					
30-MS-1001-GA2 (REF. DWG. NO. B-MS-1,2)							
550010	1.1	C-F-2(R)	MT	ZA-0018 R2	B	-	05/07/2000 -ACCEPTABLE 0-DEGREE
	NOZZLE TO REDUCER	C5.51	UT	UTI004 R3	-	-	B SPOT INDICATION WITH MEASUREABLE
			UT	UTI002 R3	-	B	- LENGTH. **CS-74**

**APPENDIX B**  
**COMPONENT SUPPORTS LISTING**

**EXAMINATION RESULTS LEGEND**

B	Baseline Examination
C	Examination for Section XI Scheduling Credit

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## STPEGS - INTERVAL 1 - SUPPORTS UNIT 1

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INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
 FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
 CLASS 2 CB STATUS COMPONENTS

LEAD WATER 2

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	O G E O M	T H E R	REMARKS **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
18-FW-1016-GA2-K (REF. DWG. NO. )								
219490	FW-1016-HL5011	PIPING-2	VT-3	ZA-0023 R1	B	-	-	00 - NEW SUPPORT ADDED 1RE09.
	SH-V	-	VT-4	ZA-0023 R1	B	-	-	PERFORM BASELINE AFTER INSTALLATION COMPLETE. REFERENCE WAN 156336/WO 370093.

16-FW-1016-GA2-MC (REF. DWG. NO. )

221920	FW-1016-HL5016	PIPING-2	VT-3	ZA-0023 R1	B	-	-	00 - NEW SUPPORT ADDED 1RE09.
	GUIDE	-						PERFORM BASELINE AFTER INSTALLATION COMPLETE. REFERENCE WAN 156336/WO 370093. **  **

16-FW-1016-GA2-MD (REF. DWG. NO. )

1930	FW-1016-HL5017	PIPING-2	VT-3	ZA-0023 R1	B	-	-	00 - NEW SUPPORT ADDED 1RE09.
	SH-V	-	VT-4	ZA-0023 R1	B	-	-	PERFORM BASELINE AFTER INSTALLATION COMPLETE. REFERENCE WAN 156336/WO 370093. **  **

16-FW-1016-GA2-ME (REF. DWG. NO. )

221940	FW-1016-HL5018	PIPING-2	VT-3	ZA-0023 R1	B	-	-	00 - NEW SUPPORT ADDED 1RE09.
	GUIDE	-						PERFORM BASELINE AFTER INSTALLATION COMPLETE. REFERENCE WAN 156336/WO 370093. **  **

DATE: 08/02/2000  
REVISION: 0

STPEGS - INTERVAL 1 - SUPPORTS UNIT 1  
INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 3 CB STATUS COMPONENTS

PAGE: 2

ESSENTIAL COOLING WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
14-EW-1383-WT3-A (REF. DWG. NO. )								
401085	EW-1383-HL5005 RR	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
401090	EW-1383-HL5012 RR	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
10-EW-1383-WT3-G (REF. DWG. NO. )								
408320	EW-1383-HL5001 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
10-EW-1383-WT3-H (REF. DWG. NO. )								
408325	EW-1383-HL5002 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
408330	EW-1383-HL5003 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
408335	EW-1383-HL5004 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
10-EW-1383-WT3-B (REF. DWG. NO. )								
408340	EW-1383-HL5006 RR	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
10-EW-1383-WT3-C (REF. DWG. NO. )								
408345	EW-1383-HL5007 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	

DATE: 08/02/2000

STPEGS - INTERVAL 1 - SUPPORTS UNIT 1

PAGE: 3

REVISION: 0

INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 3 CB STATUS COMPONENTS

## ESSENTIAL COOLING WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	G E O M	O T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
10-EW-1383-WT3-C (REF. DWG. NO. )								
408350	EW-1383-HL5008 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
10-EW-1383-WT3-D (REF. DWG. NO. )								
408355	EW-1383-HL5009 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
10-EW-1383-WT3-E (REF. DWG. NO. )								
408360	EW-1383-HL5010 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
10-EW-1383-WT3-B (REF. DWG. NO. )								
408365	EW-1383-HL5011 RR	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
10-EW-1386-WT3-A (REF. DWG. NO. )								
408375	EW-1386-HL5001 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
10-EW-1386-WT3-B (REF. DWG. NO. )								
408380	EW-1386-HL5002 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
408385	EW-1386-HL5003 RR	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	

DATE: 08/02/2000  
REVISION: 0

STPEGS - INTERVAL 1 - SUPPORTS UNIT 1  
INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 3 CB STATUS COMPONENTS

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ESSENTIAL COOLING WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	O G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
10-EW-1386-WT3-B (REF. DWG. NO. )								
408390	EW-1386-HL5004 RR	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
8-EW-1384-WT3-A (REF. DWG. NO. )								
409020	EW-1384-HL5001 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
8-EW-1385-WT3-C (REF. DWG. NO. )								
409040	EW-1385-HL5001 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
409050	EW-1385-HL5002 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
8-EW-1385-WT3-D (REF. DWG. NO. )								
409060	EW-1385-HL5003 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
6-EW-1308-WT3-D (REF. DWG. NO. )								
414520	EW-1308-HL5001 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
6-EW-1309-WT3-E (REF. DWG. NO. )								
414540	EW-1309-HL5001 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	

DATE: 08/02/2000

REVISION: 0

STPEGS - INTERVAL 1 - SUPPORTS UNIT 1  
INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 3 CB STATUS COMPONENTS

PAGE: 5

ESSENTIAL COOLING WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	O G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
6-EW-1309-WT3-E (REF. DWG. NO. )								
414550	EW-1309-HL5002 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	
-----								
414560	EW-1309-HL5003 GUIDE	PIPING-3 -	VT-3	ZA-0023 R1	C	-	-	



DATE: 08/02/2000

REVISION: 0

## STPEGS - INTERVAL 1 - SUPPORTS UNIT 1

PAGE: 6

INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 3 CB STATUS COMPONENTS

ESSENTIAL CHILLED WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C M	O G E O E R	REMARKS **CALIBRATION BLOCK**
3V111VPA004 (REF. DWG. NO. )							
430000	CHP1A CH PUMP 11A	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - DEADWEIGHT SUPPORT CLOSEST TO MOTOR.
430100	CHP2A CH PUMP 11A	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - DEADWEIGHT SUPPORT FARTHEST FROM MOTOR.
430200	CHP3A CH PUMP 11A	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - TORQUE SUPPORT ON RIGHT FACING PUMP.
430300	CHP4A CH PUMP 11A	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - TORQUE SUPPORT ON LEFT FACING PUMP.
3V111VCH001 (REF. DWG. NO. )							
431200	CHC111A CH ESS. CHILLER #1 (11A) (150 TON)	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - CHILLER FLOOR PLATE AND GUSSET PLATES AT END OPPOSITE THE CHILLED WATER PIPE CONNECTIONS.
431300	CHC211A CH ESS. CHILLER #1 (11A) (150 TON)	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - CHILLER FLOOR PLATE AND GUSSET PLATES AT END WITH THE CHILLED WATER PIPE CONNECTIONS.
3V111VCH004 (REF. DWG. NO. )							
431800	CHC112A CH ESS. CHILLER #4 (12A) (300 TON)	F-A F1.43	VT-3	ZA-0023 R1	C	- -	00 - CHILLER FLOOR PLATE AND GUSSET PLATES AT END OPPOSITE THE CHILLED WATER PIPE CONNECTIONS.

REVISION: 0

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ESSENTIAL CHILLED WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C M R	O G E O E M R	REMARKS
		SEC. XI CATEGORY ITEM NO					
3V111VCH004 (REF. DWG. NO. )							
431900	CHC212A CH ESS. CHILLER #4 (12A) (300 TON)	F-A F1.43	VT-3	ZA-0023 R1	C - -		00 - CHILLER FLOOR PLATE AND GUSSET PLATES AT END WITH THE CHILLED WATER PIPE CONNECTIONS.
8-CH-1303-WA3-A (REF. DWG. NO. )							
440800	CH-1303-HL5018 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C - -		
6-CH-1303-WA3-F (REF. DWG. NO. )							
448300	CH-1303-HL5001 ANCHOR	F-A F1.30C	VT-3	ZA-0023 R1	C - -		
448400	CH-1303-HL5003 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C - -		
6-CH-1303-WA3-G (REF. DWG. NO. )							
448500	CH-1303-HL5004 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C - -		
6-CH-1303-WA3-H (REF. DWG. NO. )							
448600	CH-1303-HL5005 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C - -		
6-CH-1309-WA3-A (REF. DWG. NO. )							
450100	CH-1309-HL5001 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C - -		
6-CH-1313-WA3-G (REF. DWG. NO. )							

DATE: 08/02/2000

REVISION: 0

STPEGS - INTERVAL 1 - SUPPORTS UNIT 1  
 INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
 FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
 CLASS 3 CB STATUS COMPONENTS

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ESSENTIAL CHILLED WATER 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	EXAM METHOD	PROCEDURE	N O R E C	O G E O M	T H E R	REMARKS  **CALIBRATION BLOCK**
		SEC. XI CATEGORY ITEM NO						
6-CH-1313-WA3-G (REF. DWG. NO. )								
450700	CH-1313-HL5005 RR	F-A F1.30A	VT-3	ZA-0023 R1	C	-	-	
6-CH-1314-WA3-H (REF. DWG. NO. )								
451300	CH-1314-HL5006 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
6-CH-1314-WA3-J (REF. DWG. NO. )								
451400	CH-1314-HL5007 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
6-CH-1314-WA3-K (REF. DWG. NO. )								
451500	CH-1314-HL5008 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
6-CH-1314-WA3-M (REF. DWG. NO. )								
452000	CH-1314-HL5013 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
6-CH-1343-WA3-A (REF. DWG. NO. )								
452300	CH-1343-HL5001 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	

DATE: 08/02/2000

REVISION: 0

STPEGS - INTERVAL 1 - SUPPORTS UNIT 1  
INSERVICE INSPECTION SUMMARY 1RE09 SUPPORTS  
FIRST INTERVAL, THIRD PERIOD, FOURTH OUTAGE (00RF)  
CLASS 3 CB STATUS COMPONENTS

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SESEL AIR INTAKE 3

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	N O R E C O M P O N E N T S	REMARKS **CALIBRATION BLOCK**
32-DI-1002-WA3-C (REF. DWG. NO. )						
453200	DI-1002-HL5002 RR	F-A F1.30A	VT-3	ZA-0023 R1	C - -	

**APPENDIX C**  
**ISI LIMITATIONS**

## **APPENDIX C ISI LIMITATIONS**

### **Table of Contents**

**STPEGS-1 Summary of Inservice Examination Limitations**

**ASME Category B-J  
Reactor Coolant System Piping**

## APPENDIX C ISI LIMITATIONS

### SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1 SUMMARY OF INSERVICE INSPECTION LIMITATIONS

The following tables provide details on the limitations which were encountered during the ISI examinations at the South Texas Project Electric Generating Station, Unit 1 (STPEGS-1). Each table of this summary provides the following information as described:

Column 1 - Class/Category/Item No./Examination Requirement

Identifies the ASME Section XI Code Class, Category, Item Number, and Examination Requirement (volumetric or surface) for the specific examination area listed in Column 2. This information is derived from Tables IWB-2500-1 and IWC-2500-1 of the 1983 Edition of ASME Section XI (with Addenda through Summer 1983), and Tables 1 and 2 of Code Case N-408.

Column 2 - Line No./Subassembly  
Weld Identification  
Weld ID Figure  
Weld Configuration  
Examination Method

Provides information for each examination area by line number (piping) or subassembly number (vessel), unique weld identification number, weld ID figure reference, weld configuration (pipe-to-tee, head-to-shell, etc.), and examination method (UT, UT/PT, or UT/MT).

Column 3 - Exam Type

Lists the Methods of Examinations used for each area by specific angles for UT (0, 45, 45T, 60, 60T) and surface technique (MT or PT), if required.

Column 4 - % Coverage

The extent of coverage for each exam type is expressed in percentages based on the examination volume/area required in Section XI. Depending on method, the percentage coverage may be represented in more than one way.

Surface methods are the simplest and are expressed as a percentage of the required surface area receiving no coverage and the remaining balance from 100% as the total coverage.

Ultrasonic coverage may be first expressed for each exam type as a percentage of the volume receiving no coverage, angle-beam coverage in one direction, and angle-beam coverage in two directions. These percentages are then used to compute the effective coverage for that exam type. In the case of 0 degree, the effective coverage is equal to the balance of 100% minus the percentage receiving no coverage.

## APPENDIX C ISI LIMITATIONS

The effective coverage for angle beam is calculated from the following formula:

$$c = \frac{a + 2*b}{2} \quad (\text{effective coverage formula, angle beam})$$

where a = one direction only percentage

b = two direction percentage

c = effective coverage as a percentage

Examples:

(1)    none    1 dir    2 dir  
         0%    0%    100%

$$c = \frac{0 + 2*100}{2} = 100\% \text{ effective coverage}$$

(2)    none    1 dir    2 dir  
         0%    100%    0%

$$c = \frac{100 + 2*0}{2} = 50\% \text{ effective coverage}$$

(3)    none    1 dir    2 dir  
         50%    50%    0%

$$c = \frac{50 + 2*0}{2} = 25\% \text{ effective coverage}$$

The total UT coverage is then expressed as the average of the effective coverage percentages for each UT exam type. As an alternative to the above method, coverage may be directly listed as the effective coverage. Each UT exam type is considered as equal weight in the calculation of the average.

### Column 5 -      Limitation

A description of the type of limitation and primary reason for why the coverage was limited is provided in this section.



# **APPENDIX C** **ISI LIMITATIONS**

## **ASME SECTION XI CODE COVERAGE/LIMITATIONS**

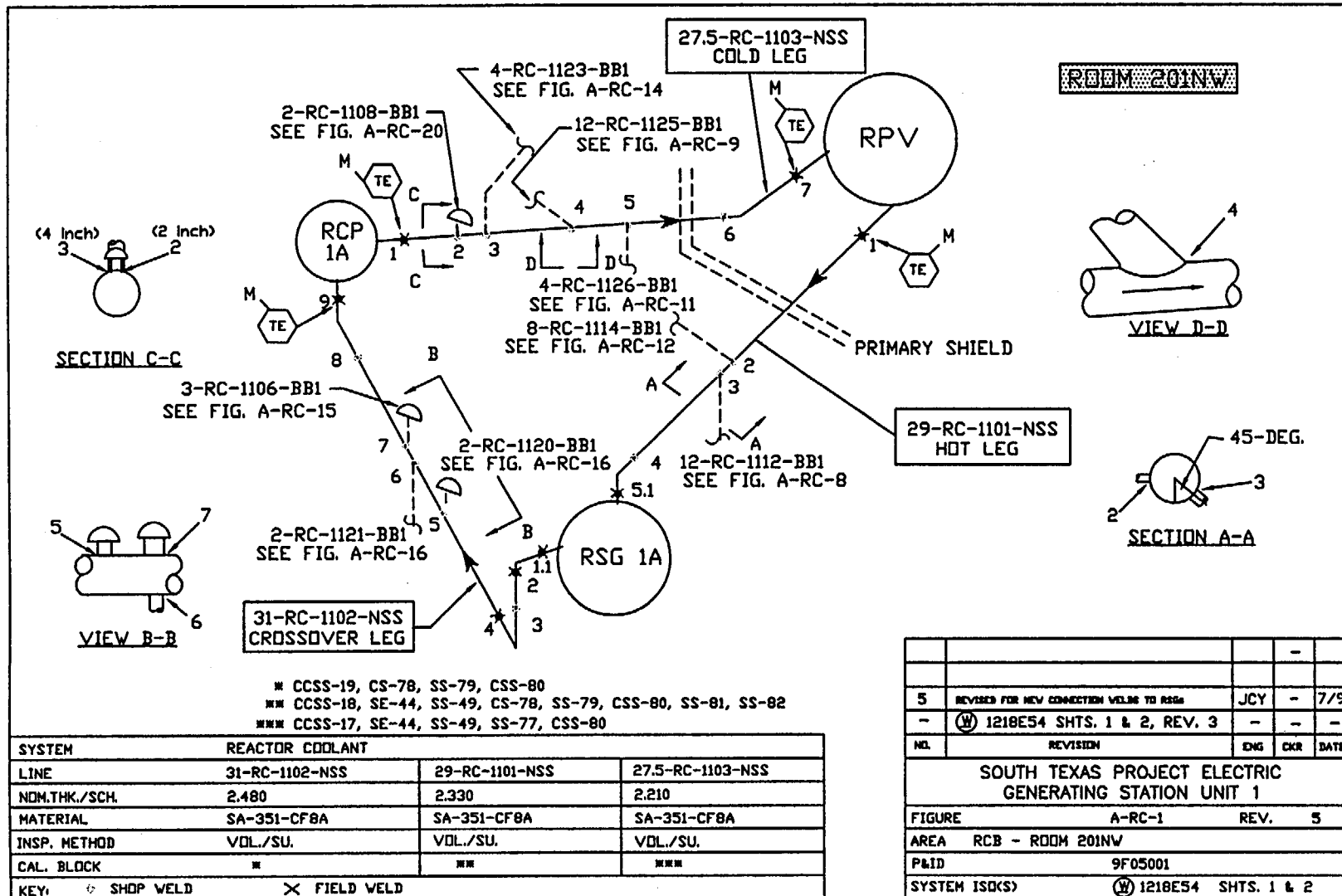
**2000 1RE09 ISI**

**SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 1**

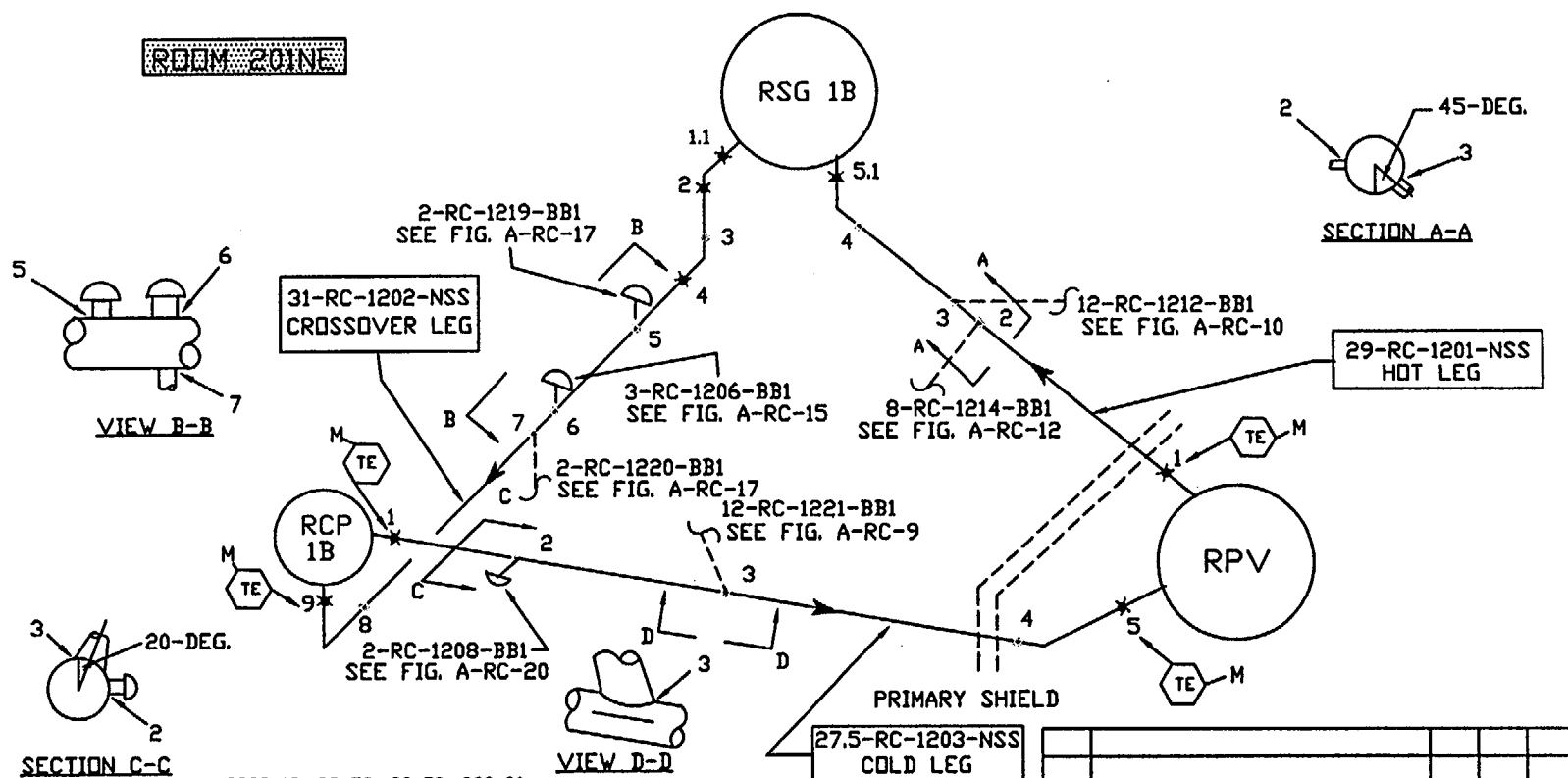
ASME CATEGORY B-J

SYSTEM: REACTOR COOLANT - MAIN LOOPS

CLASS CATGY	LINE NO./SUBASSEMBLY WELD CONFIGURATION	EXAM TYPE	% COVERAGE					LIMITATION
			NONE	1 DIR ONLY	2 DIR	EFF. COV.	TOTAL	
ITEM NO.	WELD IDENTIFICATIONS							
EXM RQT	WELD ID FIGURE							
SUM NOS	EXAMINATION METHOD							
I	SG Outlet Nozzle SE-Elbow	UT0	0	-	100	100		Limited UT due to weld configuration and transducer size. (Typical coverage for all 8 main loop RSG connecting welds)
B-J	31-RC-1102-1.1	UT45/53	3	-	97	97		
B9.11	31-RC-1202-1.1	UT45T	35	-	65	65		
VOL/SURF	31-RC-1302-1.1						87	
	31-RC-1402-1.1							
	SG Outlet Nozzle SE-Elbow	PT	0	-	-	-	100	
	29-RC-1101-5.1							
	29-RC-1201-5.1							
	29-RC-1301-5.1							
	29-RC-1401-4.1							
	A-RC-1,2,3,4							
	UT/PT							



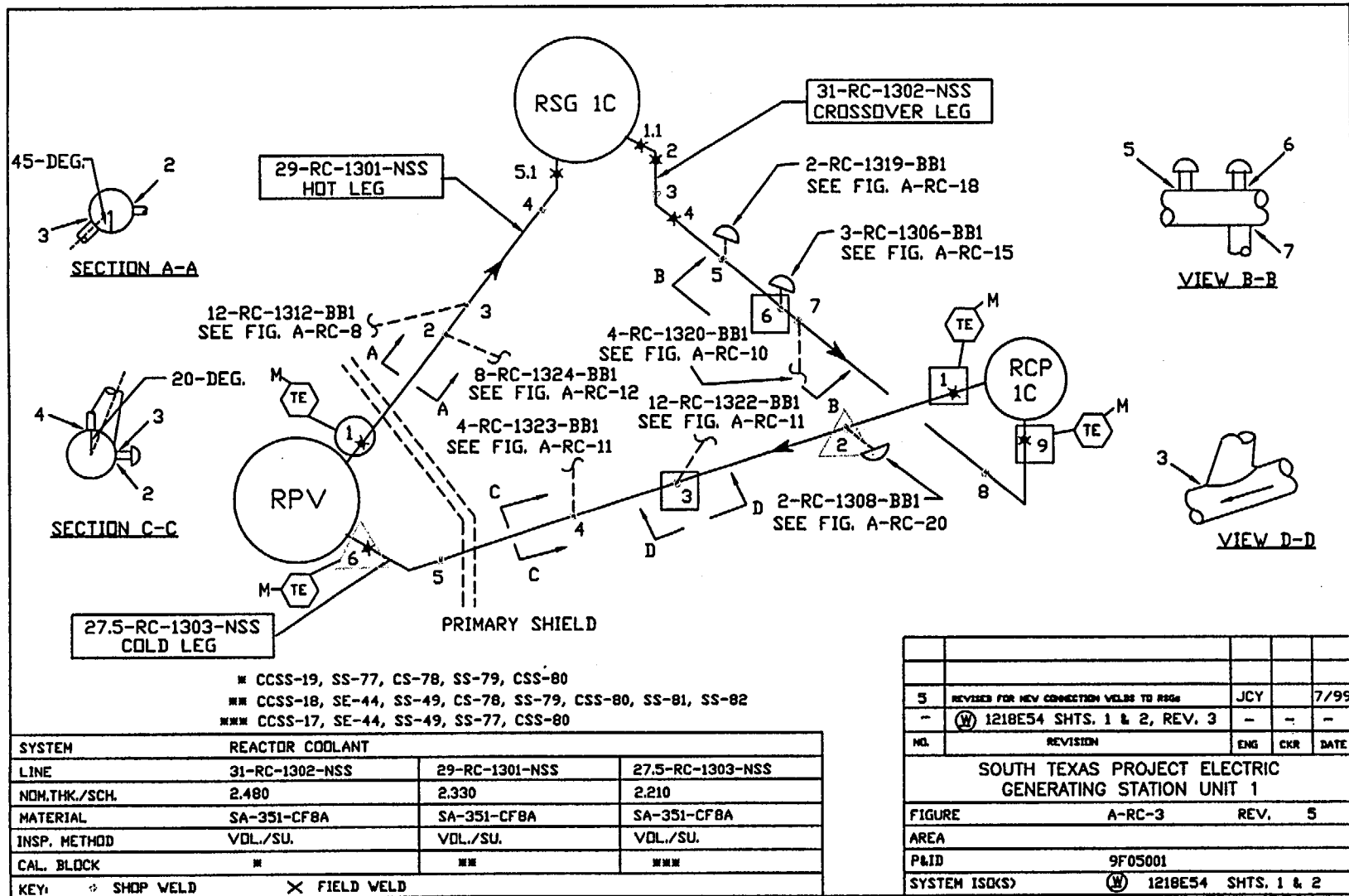
ROOM 201NE

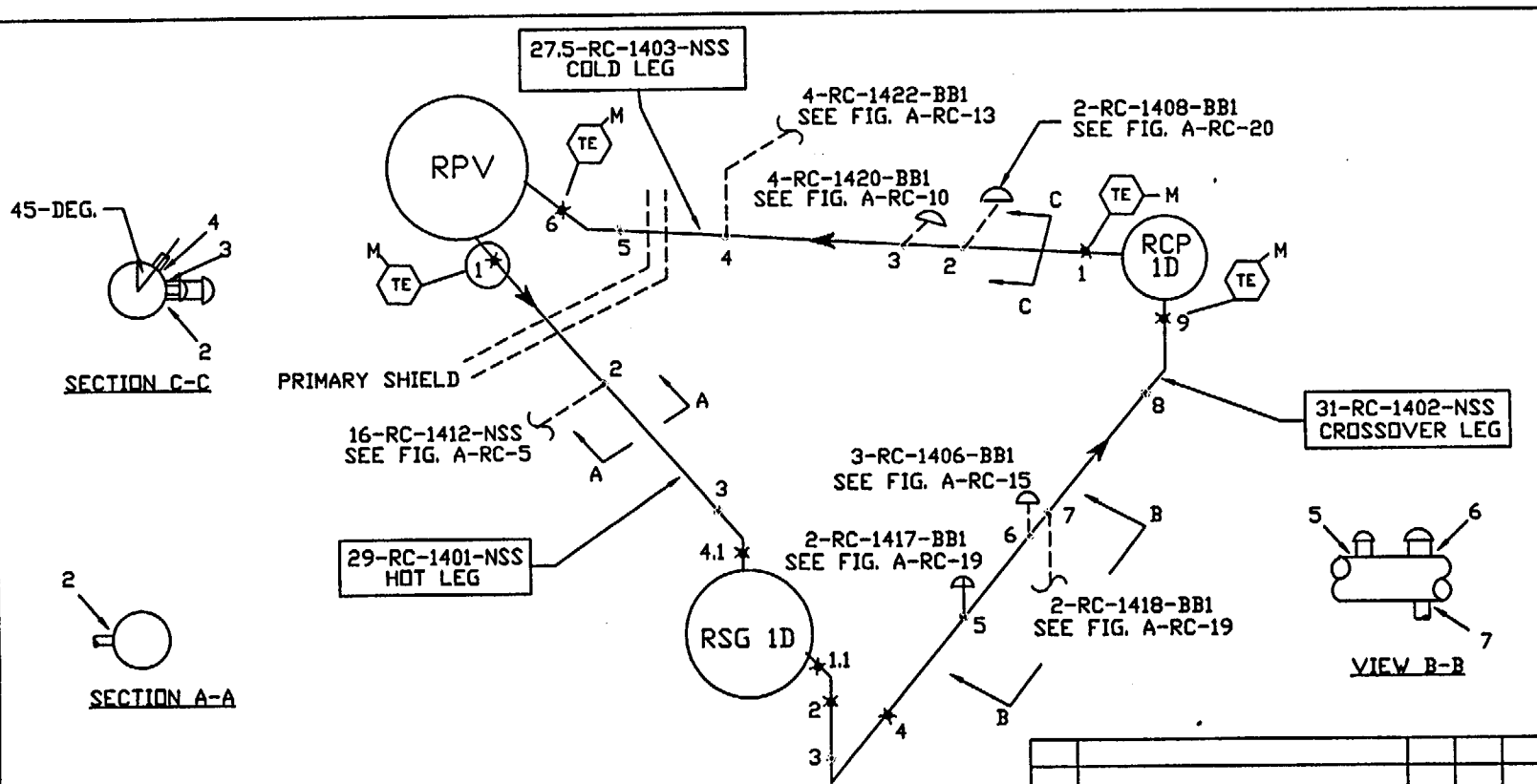


\* CCSS-19, CS-78, SS-79, CSS-80  
 \*\* CCSS-18, SE-44, SS-49, CS-78, SS-79, CSS-80, SS-81, SS-82  
 \*\*\* CCSS-17, SE-44, SS-49, SS-77, CSS-80

SYSTEM	REACTOR COOLANT		
LINE	31-RC-1202-NSS	29-RC-1201-NSS	27.5-RC-1203-NSS
NOM. THK./SCH.	2.480	2.330	2.210
MATERIAL	SA-351-CF8A	SA-351-CF8A	SA-351-CF8A
INSP. METHOD	VOL./SU.	VOL./SU.	VOL./SU.
CAL. BLOCK	**	***	***
KEY:	* SHOP WELD	X FIELD WELD	

5	REVISED FOR NEW CONNECTION WELDS TO RSG	JCY		7/99
-	(W) 1218E54 SHTS. 1 & 2, REV. 3	-	-	-
NO.	REVISION	ENG	CHK	DATE
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 1				
FIGURE	A-RC-2	REV.	5	
AREA	RCB - ROOM 201NE			
P&ID	9F05001			
SYSTEM ISO(S)	(W) 1218E54	SHTS. 1 & 2		





\* CCSS-19, CS-78, SS-79, CSS-80

\*\* CCSS-18, SE-44, SS-49, CS-78, SS-79, CSS-80, SS-83

\*\*\* CCSS-17, SE-44, SS-49, SS-77, CSS-80

SYSTEM	REACTOR COOLANT		
LINE	31-RC-1402-NSS	29-RC-1401-NSS	27.5-RC-1403-NSS
NOM. THK./SCH.	2.480	2.330	2.210
MATERIAL	SA-351-CF8A	SA-351-CF8A	SA-351-CF8A
INSP. METHOD	VOL./SU.	VOL./SU.	VOL./SU.
CAL. BLOCK	*	***	***
KEY:	○ SHOP WELD      X FIELD WELD		

4	REVISED FOR NEW CONNECTION VALVE TO RSGs	JCY		7/99
-	(W) 1218E54 SHTS, 1 & 2, REV. 3	-	-	-
NO.	REVISION	ENG	CHK	DATE
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 1				
FIGURE	A-RC-4	REV.	4	
AREA				
P&ID	9F05001			
SYSTEM ISO(S)	(W) 1218E54 SHTS. 1 & 2			

**APPENDIX D**

**NIS-1 FORMS**

**OWNER'S REPORT FOR INSERVICE INSPECTIONS**

**FORM NIS-1 OWNER'S REPORT INSERVICE INSPECTIONS**  
**As required by the Provisions of the ASME Code Rules**

1. Owner South Texas Project Nuclear Operating Company\*; P.O. Box 289; Wadsworth, Texas 77483  
 (Name and Address of Owner)
2. Plant South Texas Project Electric Generating Station; P.O. Box 289; Wadsworth, Texas 77483  
 (Name and Address of Plant)
3. Plant Unit 1 4. Owner and Certificate of Authorization (if required) N.A.
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N.A.
7. Components Inspected **ASME Code Class 1 (IWB) Items - Welds Program**

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
(Replacement) Steam Generator 1A	Westinghouse (M)	12269	N.A.	66
(Replacement) Steam Generator 1B	Westinghouse (M)	12270	N.A.	67
(Replacement) Steam Generator 1C	Westinghouse (M)	12271	N.A.	68
(Replacement) Steam Generator 1D	Westinghouse (M)	12272	N.A.	69
Class 1 Piping	Bechtel(I)	N. A.	N. A.	N. A.
Class 1 Valves	Ebasco(I)	N. A.	N. A.	N. A.

\* South Texas Project Nuclear Operating Company (STPNOC) is the licensed operator of the South Texas Project Electric Generating Station

STPNOC by J.C. Younger Date 8/7/02 Factory Mutual by B.R. Russell, ANII Date 8-8-00  
 Insurance Co.

## FORM NIS-1 (Back)

8. Examination Dates 08/01/99 to 05/04/00 9. Inspection Interval from 08/25/88 to 09/24/00
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 1 (IWB) Items - Welds Program)  
See Section Appendix A of the 1RE09 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
11. Abstract of Conditions Noted.  
None.
12. Abstract of Corrective Measures Recommended and Taken.  
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

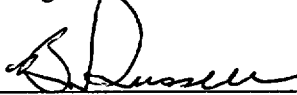
Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 8/7 20 00 Signed South Texas Project Nuclear Operating Company By J.C. Younger  
Owner J.C. Younger

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 08/01/99 to 05/04/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.



Inspector's Signature  
B. R. Russell

Commissions Tex 826  
National Board, State, Province, and Endorsements

Date 8-8-2000



**FORM NIS-1 OWNER'S REPORT INSERVICE INSPECTIONS**  
As required by the Provisions of the ASME Code Rules

1. Owner South Texas Project Nuclear Operating Company\*; P.O. Box 289; Wadsworth, Texas 77483  
(Name and Address of Owner)
2. Plant South Texas Project Electric Generating Station; P.O. Box 289; Wadsworth, Texas 77483  
(Name and Address of Plant)
3. Plant Unit 1 4. Owner and Certificate of Authorization (if required) N.A.
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N.A.
7. Components Inspected **ASME Code Class 2 (IWC) Items - Welds Program**

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
(Replacement) Steam Generator 1A	Westinghouse (M)	12269	N.A.	66
(Replacement) Steam Generator 1B	Westinghouse (M)	12270	N.A.	67
(Replacement) Steam Generator 1C	Westinghouse (M)	12271	N.A.	68
(Replacement) Steam Generator 1D	Westinghouse (M)	12272	N.A.	69
Class 2 Piping	Bechtel(I)	N. A.	N. A.	N. A.

\* South Texas Project Nuclear Operating Company (STPNOC) is the licensed operator of the South Texas Project Electric Generating Station

STPNOC by J.C. Younger Date 8/7/00 Factory Mutual by B.R. Russell, ANII Date 8-8-00  
Insurance Co.

## FORM NIS-1 (Back)

8. Examination Dates 08/01/99 to 04/24/00 9. Inspection Interval from 08/25/88 to 09/24/00
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 2 (IWC) Items - Welds Program)  
See Appendix A of the 1RE09 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
11. Abstract of Conditions Noted.  
None.
12. Abstract of Corrective Measures Recommended and Taken.  
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 3/7 2000 Signed South Texas Project Nuclear Operating Company By J.C. Younger  
Owner

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 08/01/99 to 04/24/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. R. Russell Commissions Tex 826  
Inspector's Signature National Board, State, Province, and Endorsements  
B. R. Russell

Date 8-6-2000



## FORM NIS-1 (Back)

8. Examination Dates 05/05/00 to 05/05/00 9. Inspection Interval from 08/25/88 to 09/24/00
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 2 Component Supports - Piping and Equipment)  
See Appendix B of the 1RE09 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
11. Abstract of Conditions Noted.  
None.
12. Abstract of Corrective Measures Recommended and Taken.  
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 8/7 20 00 Signed South Texas Project Nuclear Operating Company By J C Younger  
Owner

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 05/05/00 to 05/05/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. Russell Commissions Tex 826  
Inspector's Signature National Board, State, Province, and Endorsements  
B. R. Russell

Date 8-8-20 00

**FORM NIS-1 OWNER'S REPORT INSERVICE INSPECTIONS**  
**As required by the Provisions of the ASME Code Rules**

1. Owner South Texas Project Nuclear Operating Company\*; P.O. Box 289; Wadsworth, Texas 77483  
 (Name and Address of Owner)
2. Plant South Texas Project Electric Generating Station; P.O. Box 289; Wadsworth, Texas 77483  
 (Name and Address of Plant)
3. Plant Unit 1 4. Owner and Certificate of Authorization (if required) N.A.
5. Commercial Service Date 08/25/88 6. National Board Number for Unit N.A.
7. Components Inspected **ASME Code Class 3 - Component Supports Program**

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 3 Piping/ Equip Supports	Ebasco (I)	N. A.	N. A.	N. A.

\* South Texas Project Nuclear Operating Company (STPNOC) is the licensed operator of the South Texas Project Electric Generating Station

STPNOC by J.C. Younger Date 8/7/00 Factory Mutual by B.R. Russell, ANII Date 8-8-00  
 J.C. Younger Insurance Co. B.R. Russell, ANII

## FORM NIS-1 (Back)

8. Examination Dates 03/03/00 to 05/18/00 9. Inspection Interval from 08/25/88 to 09/24/00
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 3 Component Supports - Piping and Equipment)  
See Appendix B of the 1RE09 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
11. Abstract of Conditions Noted.  
None.
12. Abstract of Corrective Measures Recommended and Taken.  
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 8/7 20 00 Signed South Texas Project Nuclear Operating Company By J. C. Younger  
Owner

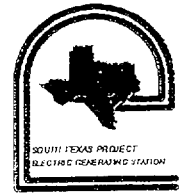
## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 03/03/00 to 05/18/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. R. Russell Commissions Tex 826  
Inspector's Signature National Board, State, Province, and Endorsements  
B. R. Russell

Date 8-8-20 00



**PRESERVICE INSPECTION SUMMARY REPORT**

**FOR TUBING IN THE REPLACEMENT**

**STEAM GENERATORS**

**for the**

**SOUTH TEXAS PROJECT**

**ELECTRIC GENERATING STATION**

**UNIT 1**

**P.O. BOX 289**

**WADSWORTH, TEXAS 77483**

**Owner: South Texas Project Nuclear Operating Company**

**Commercial**  
**Operation: August 25, 1988**

**Issue Date: May 2000**

**Field Service Report No.**

**MRS-FSR-1035-TGX**

**Volume 1 of 1**

**PRESERVICE INSPECTION SUMMARY REPORT**  
**FOR TUBING IN THE REPLACEMENT**  
**STEAM GENERATORS**  
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**Volume 1 of 1**



**PRESERVICE INSPECTION SUMMARY REPORT**  
**FOR TUBING IN THE REPLACEMENT**  
**STEAM GENERATORS**  
**for the**  
**SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION**  
**UNIT 1**

USNRC DOCKET NO.: 50-498  
OPERATING LICENSE NO.: NPF-76  
COMMERCIAL OPERATION DATE: August 25, 1988

Prepared By: J.L. Haning 6-11-88  
J.L. Haning Date  
ISI Engineer - Steam Generator Tubes

Approved By: A.C. McIntyre 6-11-88  
A. C. McIntyre Date  
Engineering Projects

Approved By: S.E. Thomas 6/14/00  
S. E. Thomas Date  
Manager - Design Engineering Department

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## STEAM GENERATOR TUBE EXAMINATIONS

### 1.0 Introduction

This Summary Report describes South Texas Project Nuclear Operating Company's (STPNOC) Preservice Inspection (PSI) of the tubing in the Replacement Steam Generators (RSGs) for the South Texas Project Electric Generating Station, Unit 1 (STPEGS-1) prior to shipment from the Pensacola plant of Westinghouse Electric Company. The RSG's were installed during the 1RE09 refueling outage.

The steam generator tube PSI is required by Sections 3/4.4.5 and 4.0.5 of the Technical Specifications to be performed in accordance with the edition and addenda of the American Society of Mechanical Engineers (ASME) Section XI Code "Inservice Inspection of Nuclear Power Plant Components" prescribed by Title 10 of the Code of Federal Regulations, Part 50, Section 50.55a(g). Therefore, the PSI is required to meet the 1983 Edition of the ASME Code Section XI with addenda through the Summer 1983. The first ten year inspection interval of STPEGS-1 began August 25, 1988. Because STPEGS-1 was out of service continuously for 13 months, the inspection interval was extended for an equivalent period in accordance with IWA-2400(c) of the ASME Code Section XI. This extended the inspection interval to September 24, 1999. The first inspection interval has been extended an additional one (1) year in accordance with IWA-2400(c) so that STPEGS Units 1 and 2 second inspection intervals may be concurrent. This extends the inspection interval to September 24, 2000. The PSI summarized herein constitutes the preservice examination for the RSGs were installed in the spring of 2000. The PSI eddy current examination of the steam generator tubing commenced on August 15, 1999. The eddy current examinations performed were completed on September 6, 1999. However, the PSI was not considered to be complete until breaker closure after installation of the RSG's, when the potential of events (e.g., loose parts, transportation damage, etc.) necessitating further baseline examination had passed.

This Summary Report satisfies the reporting requirements of ASME Code Section XI, IWA-6000 and 4.4.5.5 (b) of the STPEGS Technical Specification.

The STPEGS-1 plant design contains four (4) Westinghouse recirculating design steam generators designated as model Delta 94 (D94). Each model D94 steam generator was designed and fabricated by Westinghouse Electric Company of Pensacola, Florida. Each steam generator contains 7885 tubes. The tubing material is thermally treated Inconel Alloy 690 having a nominal outer diameter (OD) of 0.688 inch and nominal wall thickness of 0.040 inch. The nominal thickness of the tubesheet is 25.43 inches.

The examination agency for the RSG Preservice Inspection was Westinghouse Nuclear Services Division (WNSD).

## 2.0 Scope of Examinations

The STPEGS-1 Ten Year ISI Plan describes the ISI program for examination of steam generator tubing. An auxiliary PSI plan (PSI Outage Plan) entitled, "1999 Outage Plan for the Preservice Inspection of Steam Generator Tubing in the Unit 1 Replacement Steam Generators", including Change Numbers 001 and 002, was prepared by WNSD and approved by STPNOC. The PSI Outage Plan identified the steam generator tube areas expected to be examined by eddy current testing (ET) and the ET procedures expected to be used during the PSI.

The initial scope consisted of the following planned examinations:

Bobbin coil ET of all open tubing over its full length, in each steam generator. In addition to a manual analysis, an Auto Data Screening (ADS) for evidence of degradation was performed as a second analysis of the data. In conjunction with the manual analysis, an ADS process was employed in the tubesheet of both the hot and cold legs to monitor for tubesheet anomalies and crevice depths.

A 3-coil Plus Point RPC (3C+PtRPC) ET of the hot leg top of the tubesheet (TSH) in 20% of the tubes in each steam generator. The area of interest to be examined extended from four (4) inches below to one (1) inch above the secondary face of the tubesheet. This program was later reduced to two hundred (200) tubes.

This scope exceeds the inspection requirements for tubes as defined in ASME Code Section XI IWB-2200 and in 4.4.5.4 a.10 of the STPEGS technical specification (NUREG - 1346). The PSI Outage Plan is consistent with the requirements of the Ten Year ISI Plan.

### 3.0 Personnel, Procedures, and Equipment

#### 3.1 Personnel Qualifications

The personnel who performed the ET acquisition and analysis during the PSI examination were employed by WNSD, NDE Technology and Core Star International. They were certified in accordance with the requirements of IWA-2300 of ASME Code Section XI and the certification practices of their respective employers. All ET analysts were certified as Qualified Data Analysts (QDA's) for the steam generator work performed. A QDA is a Level IIA or III who has passed rigorous testing of their ability to analyze a random selection of expertly-judged indications, from the Electric Power Research Institute's "PWR Steam Generator Examination Guidelines", Appendix G Performance Demonstration Database for various steam generator designs and all types of known defects.

Before an ET data analyst could perform any analysis during PSI examination, they were required to successfully complete a STPEGS plant site specific steam generator ET data analysis training program. The analyst training program consisted of (1) ET data analysis course and (2) site specific laboratory/practical training. The ET data analysis course was presented in a lecture format in addition to reviewing the Analysis Guidelines. The course addressed the specific STPEGS steam generator design, fabrication history with respect to indications that were expected to be encountered during the examination, previous ET results (including those from the inspection performed by the tubing supplier), the data acquisition procedure and analysis procedures to be used for the PSI ET examinations. The site specific laboratory/practical training included hands-on review of the indications recorded by Westinghouse Pensacola during various examinations they performed as part of the fabrication process, which included some indications reported by the tubing manufacturer. Successful completion of the site specific course required the passing of a written and a practical (hands on) test using bobbin coil ET data.

For personnel involved in the performance of the ET acquisition and/or data analysis, their certification levels are listed in Appendix A. The personnel that acquired or analyzed the ET data for a specific examination are recorded on the optical disks and data sheets.

#### 3.2 Examination and Analysis Procedures

All ET inspections were performed in accordance with the WNSD procedure MRS 2.4.2 GEN-35, Revision 7 entitled, "Eddy Current Inspection of Preservice and Inservice Heat Exchanger Tubing", with Field Change Request Number 1. This procedure, with the change authorization, is STPEGS document no. 120-09-000036-DWN.

The bobbin coil examination technique was performed using inspection frequencies of 630, 300, 150, and 35 kHz in both the differential and absolute modes for each tube. The WNSD bobbin coil procedure is an alternative to the technique described in ASME Code Section V, Article 8, I-42, which requires that the probe pull speed not exceed 14 inches per second, without being demonstrated to the satisfaction of the Authorized Nuclear Inservice Inspection (ANII).

A nominal pull speed of 40 inches per second with a digital signal sampling rate of 1400 samples per second or greater was used during the PSI ET examination. The Acquisition Technique (ACT) Sheets 1RSG-01 authorizes the higher pull speed and was signed by the

WNSD Level III representative and the STPNOC representative. The faster probe pull speeds were demonstrated to the satisfaction of the ANII in accordance with IWA-2240 of Section XI. An additional ACT Sheet, 1RSG-01A, was used for the full length and/or the straight lengths in both legs of the lower rows in each steam generator. This ACT Sheet permitted a slower nominal pull speed of 24 inches per second with a digital signal sample rate of 850 samples per second, or greater, to reduce the effects of probe snap through the U-bend. To support the application of Code case N-402-1 to the Alloy 690 tubing, WNSD prepared an ET standard from a low row tube that had been stress relieved subsequent to bending the tube into its final u-shape. The data from this standard was shown to be equivalent, to the ANII, to the standard used during the PSI, which was made from a tube that had not been stress relieved subsequent to bending.

All 3-coil and single coil +Pt RPC ET examination techniques were performed using the examination frequencies of 300, 200, 100, and 10 kHz in the absolute mode. All combinations of RPC probe configurations and/or locations are covered on ACT Sheets 1RSG-02/02A and 1RSG-03/03A.

WNSD and its subcontract data analysts performed the analysis in accordance with STPEGS document no. 0120-09-000036-DWN and Westinghouse procedure SGMS-2.2.1 TGX-014 Rev. 0, titled, "South Texas Unit 1 Replacement Steam Generator Eddy Current Data Analysis Guidelines". All bobbin coil and RPC ET data for each steam generator tube, or portion thereof, inspected were subjected to two (2) separate independent analyses in accordance with this procedure. The secondary analysis was performed using the WNSD ADS analysis software. It, like each of the analysts, was subjected to the practical examination prior to the start of the inspection. Additionally, the primary analysts performed an auto analysis for crevice depths at the secondary face of every tube/tubesheet intersection, as well as for other anomalies within the tubesheet. This analysis was not subjected to two separate analyses.

All data evaluation was performed by the analysts using the WNSD ANSER software, including the automated data screening (ADS) software and the automated tubesheet crevice depth software. All analysts, primary, secondary and resolution, were located at the WNSD Remote Eddy Current Data Analysis Center (REDAC) in Madison, Pa. The primary and secondary analysis was conducted separately as a result of the physical separation of the parties from one another.

Results of all of the eddy current examinations were recorded on a digital rewritable optical disk and the final resolution data sheets, which are stored as records. Each disk contains the raw ET data, primary, secondary, and resolution results for each calibration group. The optical disks also contain the system calibration and calibration verification with the dates and times for each calibration and verification. The unique number of the digital rewritable optical disk and the calibration group number have been recorded on the data sheets and optical disks. Therefore, the system calibration and calibration verification of the raw signals for each tube examined can be easily recalled.

### 3.3 Equipment

All steam generators were tested utilizing the Zetec MIZ-30A test instrument and Zetec Eddynet 98 version 1.0 Patch 27 software. All analysis was performed using WNSD ANSER Version 8.3 Rev. 35 software. The MIZ 30 test instrument and software store and process the ET data in a

digital format and has a significantly improved dynamic range and signal-to-noise ratio as compared to analog systems. The test system is capable of being operated at locations remote from the steam generators.

The bobbin coil baseline inspection utilized 0.560 inch diameter Replaceable Head probes (RPH) for all tubes tested. In conducting RPC ET for bobbin coil indications requiring characterization and during the TSH program, WNSD used 0.560 inch diameter 3C+PtRPC probes in the straight length and 0.520 inch diameter 1C+PtRPC probes in the ubend.

The 3C+Pt probe design consists of one (1) plus-point coil (interwoven axially and circumferentially oriented coils that are differentially connected), one (1) 0.115 inch diameter pancake coil and one (1) shielded high frequency 0.080 inch diameter pancake coil. The 1C+Pt contains only the +Pt coil. The ubend 1C+PtRPC probes were either a mag-biased 18 inch log probe or a non mag-biased probe 96 inches long to reach the apex of the ubend, or beyond, in any tube from one leg.

### 3.4 Calibration Standards

The calibration standard design used for bobbin coil inspections was a combination in-line standard. It contained ASME Code Section XI flaws, simulated AVB wear flaws, simulated support plate wear flaws, a small dent and a stainless steel support ring. The calibration standard utilized for all the RPC inspections was a guide tube design containing several ID and OD axial and circumferential electro discharge machined (EDM) notches in sufficient quantities to permit the sizing of indications if necessary.

The ET calibration standards used were thermally treated but not subjected to post bending stress relief that a portion of the tubing was. ASME Boiler and Pressure Vessel Code, Nuclear Components Code Case N-402-1, "Eddy Current Calibration Standards, Section XI, Division 1" permits use of non-heat treated Alloy 600 standards to inspect heat treated tubes if the other properties are the same. This code case is not directly applicable to the Alloy 690 tubing used in the RSGs. Independently, the applicability of Alloy 690 to this code case was successfully demonstrated to the ANII by comparison of data from a standard made from a tube subjected to post bending stress relief (Row 17 or less) to data from a standard made from tubing that was not stress relieved after bending. Thus, it was an alternative technique as defined by ASME Code IWA-2240 and met the Section XI requirements. Therefore, the design and material of the ET calibration standards used meet the requirements of the ASME Code Section XI.

#### 4.0 Summary of Examinations

Bobbin coil ET techniques were performed on all tubes in each of Steam Generators 12269, 12270, 12271 and 12272. All of these tubes were examined over their full length, from tube end to tube end. The number of tubes which were examined by the bobbin coil ET technique are as follows:

<u>Steam Generator</u>	<u>Number Examined</u>
12269	7585
12270	7585
12271	7585
12272	7585

The +Pt RPC inspection was performed on the tube areas listed in Appendix B. The three letter codes and their definitions used in the reported bobbin coil results and in results of the RPC tube examination areas listed below are:

- A. MBM - Manufacturing Buff Mark - a minor wall reduction on the tube outside diameter (OD) caused by blending out indications found during tube manufacture.
- B. DNG/DNT - Ding/Dent - variations in tube inside diameter (ID) caused by deformation on the OD of the tube. By definition, a DNG is in freespan and a DNT is at tube support plate (TSP) or anti-vibration bar (AVB) locations.
- C. TSH - The top of the tubesheet, or secondary face, on the hot leg side of the steam generator.
- D. CRD - Crevice Depth - The depth of remaining crevice on the secondary side of the tube between the secondary tubesheet face and where the expanded tube contacts the tubesheet hole as measured by eddy current.
- E. BLG – Bulge - A signal that implies that the tube ID is larger than the adjacent area. These, by definition in the software, are located at the top of tubesheet (TTS) interface.
- F. OXP – Over expansion - Like a BLG, this signal implies that the tube ID is larger than the adjacent area. These, by definition in the software, are located below the TTS interface.
- G. DPM - a DPM (Direct Physical Measurement) is a value obtained by the tubing supplier from a physical measurement of a MBM with Ultrasonic Test (UT) that allowed the indication to be dispositioned as having less than 5% wall loss.
- H. NQI - Non Quantifiable Indication.

The RPC tube examination areas included the following:

1. All manufacturing buff marks (MBM) and dings (DNGs) reported in the Rows 1 and/or 2 ubends.



2. A total of 200 top of tubesheet, hot leg, (TSH) inspections based on the following nominal selection basis, if possible:
  - a. The 20 largest TSH bulges (BLG), based on a delta diameter between the crevice depth (CRD) voltage and the BLG voltage.
  - b. All TSH over expansions (EXP's) > 0.005". These were run the full length of the tubesheet from the tube end to 1" above TSH.
  - c. The remainder needed to complete the 200 tube inspection requirement were distributed in cutout region and in periphery tubes.
  - d. All inspections were over an extent of +1"/-4", as a minimum, except as noted in b. above.
3. All MBMs >1.4 volts that do not have a DPM in history. (If MBM is distorted by structure insure voltage is properly sized.)
4. All NQIs.
5. All DNGs/DNTs >5.0 volts.
6. Additional DNGs/DNTs, chosen randomly until the total of 200 DNGs/DNTs were scheduled.
7. Any other interesting signal that STPNOC or an Analyst wished to have +Pt inspected.
8. Additionally, Westinghouse Pensacola had committed to inspect nineteen (19) tubes in one steam generator over the entire length of the ubend with a RPC probe as a result of difficulties experienced during AVB insertion.

## 5.0 Examination Results and Corrective Actions

The location of the indications were recorded relative to the adjacent tube support plate (TSP), flow distribution baffle (FB), top of tubesheet (TTS) and/or anti-vibration bar (AVB). The TSPs were numbered consecutively from 01H to 09H (on the hot leg) and from 01C to 09C (on the cold leg) starting from the lowest elevation above the FB to the uppermost TSP on that side. The FB plate, located between the tubesheet and the first TSP, was identified as FBH on the hot leg and FBC on the cold leg side. The anti-vibration bars were numbered AV1 through AV16 from the hot leg to the cold leg side, respectively. Indications in the tubesheet area were recorded relative to TEH or TSH (hot leg) or TEC or TSC (cold leg) depending on whether the indications were at, or above, the tube end (E) or secondary face (S).

In addition, the vertical distances from these landmarks to indications were recorded, with positive being upward from the reporting structure. In the U-bend region, the positive direction was measured from one landmark to the next, progressing from the hot leg to the cold leg, i.e., an indication between AV1 and AV2 was located as AV1 + x.xx inches. This convention was generally used throughout the tube bundle, except at support structures, where an approximately plus/minus 2 inch window was used when reporting indications that were at or near the support structure and within this window.

All ET indications reported during the baseline examination were assigned three letter codes. The indication codes reflect the suspected nature of the discontinuity and the need to perform an additional inspection and/or a repair action. The codes used are as follows:

### Anomalous or Non-repairable Three Letter Codes

1. ADS - Absolute Drift Signal – A drift of the low frequency absolute signal that indicates a variation of the wall thickness. Typically this is a result of stopping and starting the tube pilger process, e.g., when a new tube blank is loaded, etc., wherein the tube wall is thicker at the re-start of the process and thins slightly as the process returns to the nominal diameter of the tube. These signals are readably visible in the tube mill ET examination.
2. DNG/DNT – Ding/Dent – A deformation of the outside diameter (OD) of the tube, that may or may not deform the inside diameter of the tube. The code DNT is used when it's location is at a support structure, while the code DNG is used for any deformation note in the freespan of the tubing. Rotating pancake coil inspection was required for DNGs/DNTs that exhibited ET voltages greater than 5.0 volts. These signals are not rejectable unless there is evidence of degradation.
3. DPM - Direct Physical Measurement – A code used to reflect that the tubing supplier had made a physical measurement of a MBM with Ultrasonic Test (UT) that confirmed the reported MBM indication was dispositioned as having less than the allowed 5% wall loss.
4. MBM - manufacturing buff marks - A minor wall reduction on the tube OD caused by blending out indications found during tube manufacture non-destructive examinations. These signals were readily visible in the tube mill ET data. Those MBM indications found to be in excess of a voltage limit established for rejection

were reviewed against the tube mill ET/UT results to further evaluate their depth. If the tube mill UT reported the wall thickness as acceptable, i.e. a DPM less than 5% wall loss, then the current signals were allowed to remain in service. All MBMs found during the Preservice examination that exceeded the voltage threshold were found to have acceptable DPMs and thus were left in service.

5. NDF - no degradation found – A term used to report the results of a RPC inspection when no degradation is visible.
6. NQS - non-quantifiable signal – A term that a reported "I" code signal, typically a NQI, is edited to after a RPC inspection has been performed of which the results are NDF.
7. PVN - Permeability Variation – A term used to identify variations in the permeability or other material properties that exhibit an ET signal but do not reflect degradation.

#### Repairable Signals

1. NQI - non-quantifiable indication – Any signal that initially could not be reported as an ADS, DNG, DNT, MBM or PVN was reported as an NQI. This code is considered to be a repairable code and requires that further review be performed, be it a review of the tube mill data and results or an RPC inspection to allow the "I" code to be changed to a non-repairable code, such as a NQS, MBM, etc. This indication will also have an accompanying RPC signal that indicates possible degradation.
2. SVI - single volumetric indication – The RPC inspection result code used for a signal the exhibits degradation that is volumetric in nature as opposed to being crack like.

The results of the Preservice examination are contained in the following Appendices:

1. Appendix C - Lists of all dents and dings detected in each steam generator are contained in this Appendix.
2. Appendix D - Lists, including the locations and depths, of all indications which were characterized as reductions in the tube wall thickness, i.e., NQIs, are contained in this Appendix. Also included are the SVI indications that were initially detected by bobbin coil as NQIs and confirmed by RPC ET. These indications are believed to be the result some manufacturing phenomenon, such as laps, that could represent a reduction in the tube wall thickness in excess of the 5% allowed by the specification. All of the NQI and SVI three letter code indications were considered to be defective tubes with respect to the specification allowance and were removed from service as shown in Appendix F.
3. Other anomalous signals, as defined above, reported during the Preservice examination are contained in Appendix E.
4. Appendix F – Tubesheet maps showing the tubes removed from service in each steam generator.

The total numbers of degraded and defective tubes detected during the bobbin coil ET and/or the RPC ET are as follows:

#### 5.1 Steam Generator 12269

Thirty three (33) areas of possible tube degradation in excess of the manufacturing specification, were detected in thirty three (33) tubes. Of these tubes with indications of degradation detected by both bobbin coil and RPC, all thirty three (33) were considered defective based on the inability to size the signals with ET to determine if the wall penetration was less than the 5% allowed by the manufacturing specification.

#### 5.2 Steam Generator 12270

Forty one (41) areas of possible tube degradation in excess of the manufacturing specification, were detected in forty (40) tubes. Of these tubes with indications of degradation detected by both bobbin coil and RPC, all forty (40) were considered defective based on the inability to size the signals with ET to determine if the wall penetration was less than the 5% allowed by the manufacturing specification.

#### 5.3 Steam Generator 12271

Twenty eight (28) areas of possible tube degradation in excess of the manufacturing specification, were detected in twenty six (26) tubes. Of these tubes with indications of degradation detected by both bobbin coil and RPC, all twenty six (26) were considered defective based on the inability to size the signals with ET to determine if the wall penetration was less than the 5% allowed by the manufacturing specification.

#### 5.4 Steam Generator 12272

Nine (9) areas of possible tube degradation in excess of the manufacturing specification, were detected in nine (9) tubes. Of these tubes with indications of degradation detected by both bobbin coil and RPC, all nine (9) were considered defective based on the inability to size the signals with ET to determine if the wall penetration was less than the 5% allowed by the manufacturing specification.

The minimum required size for the PSI examination sample is defined in Technical Specification 3/4.4.5 Paragraph 4.4.5.4 a. 10). It requires that each tube in each steam generator be inspected over its full length by ET prior to service to establish a baseline condition. The "1999 Outage Plan for the Preservice Inspection of Steam Generator Tubing in the Unit 1 Replacement Steam Generators" required that one hundred (100) percent of the tubes be examined by the bobbin coil method of ET over their full length. Further, the initial planned RPC sample was a 200 tube sample that included any anomalies in the tubesheet area found during the bobbin coil examination.

The PSI examination requirements of Technical Specification 3/4.4.5 Paragraph 4.4.5.4 a.10 were met by the successful bobbin coil inspection over the full length of the 7585 tubes in each of the four (4) steam generators.

The numbers of tubes examined in the bobbin coil Technical Specification inspection sample and the number of tubes which contain degradation and/or defects, along with the appropriate Result Categories are summarized as follows:

Steam Generator	Tubes Examined	Degraded Tubes	Defective Tubes	Category
SG 12269	7585	33	33	C-2
SG 12270	7585	40	40	C-2
SG 12271	7585	26	26	C-2
SG 12272	7585	9	9	C-2

Because none of the four steam generators reached a C-3 category and the 100% bobbin coil examination had been completed, it was not possible to expand the bobbin coil inspection program.

Category C-3 is defined in the Technical Specification as follows:

"More than 10% of the total tubes inspected are degraded tubes or more than 1% of the inspected tubes are defective."

Category C-2 is defined in the Technical Specification as follows:

"One or more, but not more than 1% of the total tubes inspected are defective, or between 5% and 10% of the total tubes inspected are degraded tubes."

The examination results for the 100 percent tube inspection by bobbin coil ET should be categorized as Category C-2. Since the bobbin coil examination programs encompassed 100% of all in-service tubes, there was no ability to expand either of these programs. The defective tubes reported in the bobbin coil examination results were also subjected to examinations with the +Pt RPC probes for conformation and/or characterization.

The tubes which were removed from service by plugging as a result of this PSI are identified on tubesheet maps, one for each steam generator, in Appendix F. The symbol X on each map represents those tubes plugged during the PSI.

## **6.0 Certification of Inspections**

A Section XI NIS-1 form, "Owner's Report for Inservice Inspections," has been prepared to certify the STPEGS Unit 1 PSI examinations described in this Summary Report.

# **APPENDIX A**

## **LISTING**

### **OF**

## **CERTIFIED**

## **PERSONNEL**

## Listing of Certified Personnel

Name	Level	Company	Function
<b>Analysis Crew</b>			
Ingraham; Ronald H	III	NDE	Lead
Pocratsky; Ronald J	III	WNSD	Reso
Gootz; Timothy E	III	WNSD	Reso
Taylor; Scott H	III	WNSD	Pri
Stokke; Thomas F	III	NDE	Sec
Siegel; Roger A	III	NDE	Sec
Ethridge; Gary J	III	NDE	Sec
Beiers; Tom S	III	NDE	Pri
Shelden; Jimmy T	IIA	NDE	Pri
Case; John M	IIA	NDE	Sec
Wheeler; Chris K	III	NDE	Pri
McChesney; William D	IIA	CSI	Pri
Skirpan; James R	IIA	CSI	Pri
Visconte; Christopher G.	IIA	CSI	Pri
Croyle; Rodney J	IIA	CSI	Pri
Dye; John E	IIA	WNSD	Backup
Akerlind; Bruce E	III	NDE	Backup
Popovich; Roy A	III	WNSD	Backup
<b>Independent QDA</b>			
Raschiatore; Jeffrey	III	WNSD	IQDA
<b>Acquisition Crew</b>			
Tucker, Ricky L.	II	WNSD	Coord
Dawson, F.D.	II	WNSD	Shift Lead
Bradley, G.D.	II	WNSD	Acq
Gault, W.H.	II	WNSD	Acq
Parris, T.B.	II	WNSD	Acq
Estel J.W.	II	WNSD	Acq
Reif, D.L.	II	WNSD	Acq
Restina, D.	II	WNSD	Acq
Schachte, D.M.	II	WNSD	Acq
Young, J.A.	II	WNSD	Acq





# **APPENDIX B**

**TUBES**



**EXAMINED**

**BY RPC**



Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
10	2	TSH	TSH	.560 ZPANM
1	3	TSH	TSH	.560 ZPANM
19	3	TSH	TSH	.560 ZPANM
30	4	TSH	TSH	.560 ZPANM
8	6	03H	04H	.560 ZPANM
1	7	09H	09C	.520 ZPANM
5	7	02C	03C	.560 ZPANM
34	8	09C	A13	.520 ZPANM
48	8	TSH	TSH	.560 ZPANM
45	11	08C	09C	.560 ZPANM
14	12	08H	09H	.560 ZPANM
38	12	TSH	TSH	.560 ZPANM
46	12	TSH	TSH	.560 ZPANM
43	13	03H	04H	.560 ZPANM
63	13	05C	06C	.560 ZPANM
63	13	TSH	TSH	.560 ZPANM
63	13	03H	04H	.560 ZPANM
63	13	03H	04H	.560 ZPANM
63	13	05C	06C	.560 ZPANM
8	14	01C	02C	.560 ZPANM
34	14	01C	02C	.560 ZPANM
34	14	01C	02C	.560 ZPANM
34	14	01C	02C	.560 ZPANM
34	14	01C	02C	.560 ZPANM
1	15	09H	09C	.520 ZPANM
15	15	TSH	TSH	.560 ZPANM
14	16	TSH	TSH	.560 ZPANM
42	16	TSH	TSH	.560 ZPANM
48	16	05H	06H	.560 ZPANM
72	16	TSH	TSH	.560 ZPANM
3	17	02H	04H	.560 ZPANM
3	17	02H	04H	.560 ZPANM
3	17	02H	04H	.560 ZPANM
16	18	03H	04H	.560 ZPANM
52	18	04H	05H	.560 ZPANM
72	18	TEH	TSH	.560 ZPANM
1	19	09H	09C	.520 ZPANM
1	19	TSH	TSH	.560 ZPANM
59	19	05H	06H	.560 ZPANM
71	19	TEH	TSH	.560 ZPANM
75	19	TEH	TSH	.560 ZPANM
18	20	TSH	TSH	.560 ZPANM
78	20	TEH	TSH	.560 ZPANM
39	21	05H	06H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
69	21	TSH	TSH	.560 ZPANM
24	22	TSH	TSH	.560 ZPANM
32	22	TSH	TSH	.560 ZPANM
62	22	TSH	TSH	.560 ZPANM
80	22	TEH	TSH	.560 ZPANM
82	22	TEH	TSH	.560 ZPANM
84	22	TEH	TSH	.560 ZPANM
1	23	09H	09C	.520 ZPANM
87	23	TSH	TSH	.560 ZPANM
54	24	TSH	TSH	.560 ZPANM
84	24	TEH	TSH	.560 ZPANM
1	25	09H	09C	.520 ZPANM
87	25	TEH	TSH	.560 ZPANM
20	26	03H	05H	.560 ZPANM
20	26	03H	05H	.560 ZPANM
20	26	03H	05H	.560 ZPANM
20	26	03H	05H	.560 ZPANM
20	26	03H	05H	.560 ZPANM
20	26	03H	05H	.560 ZPANM
88	26	TEH	TSH	.560 ZPANM
92	26	TSH	TSH	.560 ZPANM
64	28	TEH	TSH	.560 ZPANM
43	29	TSH	TSH	.560 ZPANM
47	29	TSH	TSH	.560 ZPANM
65	29	TSH	TSH	.560 ZPANM
79	29	TEH	TSH	.560 ZPANM
20	30	04C	05C	.560 ZPANM
94	30	FBH	01H	.560 ZPANM
1	31	TSH	TSH	.560 ZPANM
17	31	TSH	TSH	.560 ZPANM
99	31	TSH	TSH	.560 ZPANM
64	32	TSH	TSH	.560 ZPANM
43	33	04C	05C	.560 ZPANM
59	33	TSH	TSH	.560 ZPANM
77	33	TSH	TSH	.560 ZPANM
88	36	05C	06C	.560 ZPANM
37	37	TSH	TSH	.560 ZPANM
44	38	TSH	TSH	.560 ZPANM
91	39	02C	03C	.560 ZPANM
99	39	TSH	TSH	.560 ZPANM
110	40	TSH	TSH	.560 ZPANM
107	41	TSH	TSH	.560 ZPANM
10	42	02H	04H	.560 ZPANM
62	42	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

IRSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
74	42	TSH	TSH	.560 ZPANM
96	42	01C	02C	.560 ZPANM
96	42	01C	02C	.560 ZPANM
96	42	01C	02C	.560 ZPANM
21	43	TSH	TSH	.560 ZPANM
45	43	08H	09H	.560 ZPANM
47	43	02C	03C	.560 ZPANM
89	43	06C	07C	.560 ZPANM
113	43	08C	09C	.560 ZPANM
4	44	TSH	TSH	.560 ZPANM
80	44	TSH	TSH	.560 ZPANM
90	44	TSH	TSH	.560 ZPANM
96	44	TSH	TSH	.560 ZPANM
15	45	TSH	TSH	.560 ZPANM
39	45	TSH	TSH	.560 ZPANM
26	46	07C	08C	.560 ZPANM
82	46	FBC	01C	.560 ZPANM
96	46	06H	07H	.560 ZPANM
114	46	09H	09H	.520 ZPANM
13	47	05C	06C	.560 ZPANM
19	47	TSH	TSH	.560 ZPANM
79	47	TSH	TSH	.560 ZPANM
109	47	TSH	TSH	.560 ZPANM
24	48	TEH	TSH	.560 ZPANM
25	49	05H	06H	.560 ZPANM
85	49	03H	04H	.560 ZPANM
48	50	08C	09C	.560 ZPANM
96	50	05C	06C	.560 ZPANM
119	51	TSH	TSH	.560 ZPANM
1	53	TSH	TSH	.560 ZPANM
21	53	04H	05H	.560 ZPANM
4	54	03C	04C	.560 ZPANM
8	54	02H	03H	.560 ZPANM
46	54	TSH	TSH	.560 ZPANM
118	54	05C	06C	.560 ZPANM
53	55	02C	03C	.560 ZPANM
53	55	02C	03C	.560 ZPANM
16	56	TSH	TSH	.560 ZPANM
60	56	TSH	TSH	.560 ZPANM
72	56	03H	04H	.560 ZPANM
122	56	09C	09C	.560 ZPANM
122	56	09C	09C	.560 ZPANM
3	57	TSH	TSH	.560 ZPANM
7	57	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
109	57	06C	07C	.560 ZPANM
109	57	06C	07C	.560 ZPANM
117	57	TEH	TSH	.560 ZPANM
121	57	TEH	TSH	.560 ZPANM
48	58	02C	03C	.560 ZPANM
48	58	02C	03C	.560 ZPANM
70	58	TSH	TSH	.560 ZPANM
114	58	TEH	TSH	.560 ZPANM
27	59	TSH	TSH	.560 ZPANM
67	59	07C	08C	.560 ZPANM
67	59	07C	08C	.560 ZPANM
99	59	TSH	TSH	.560 ZPANM
4	60	03H	04H	.560 ZPANM
20	60	04H	05H	.560 ZPANM
22	60	01C	02C	.560 ZPANM
22	60	01C	02C	.560 ZPANM
52	60	06C	07C	.560 ZPANM
62	60	03H	04H	.560 ZPANM
27	61	TSH	TSH	.560 ZPANM
109	61	03C	04C	.560 ZPANM
111	61	08H	09H	.560 ZPANM
123	61	09C	09C	.560 ZPANM
123	61	09C	09C	.560 ZPANM
122	62	09H	09H	.560 ZPANM
122	62	09H	09H	.560 ZPANM
124	62	TSH	TSH	.560 ZPANM
124	62	09C	09C	.560 ZPANM
124	62	09C	09C	.560 ZPANM
45	63	TEH	TSH	.560 ZPANM
121	63	09C	09C	.560 ZPANM
8	64	TSH	TSH	.560 ZPANM
55	65	TSH	TSH	.560 ZPANM
28	66	TSH	TSH	.560 ZPANM
46	66	08C	09C	.560 ZPANM
46	66	08C	09C	.560 ZPANM
86	66	04H	04H	.560 ZPANM
118	66	TSH	TSH	.560 ZPANM
124	66	09H	09H	.560 ZPANM
124	66	09H	09H	.560 ZPANM
124	66	09C	09C	.560 ZPANM
124	66	09H	09H	.560 ZPANM
124	66	09C	09C	.560 ZPANM
5	67	03C	04C	.560 ZPANM
5	67	03C	04C	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
33	67	TSH	TSH	.560 ZPANM
43	67	TSH	TSH	.560 ZPANM
47	67	05H	06H	.560 ZPANM
66	68	TSH	TSH	.560 ZPANM
72	68	07H	08H	.560 ZPANM
59	69	05H	06H	.560 ZPANM
8	70	TSH	TSH	.560 ZPANM
27	71	TSH	TSH	.560 ZPANM
95	71	TSH	TSH	.560 ZPANM
127	71	09C	09C	.560 ZPANM
127	71	09C	09C	.560 ZPANM
34	72	TSH	TSH	.560 ZPANM
34	72	03H	04H	.560 ZPANM
80	72	03C	04C	.560 ZPANM
86	72	TSH	TSH	.560 ZPANM
114	72	TEH	TSH	.560 ZPANM
118	72	TEH	TSH	.560 ZPANM
117	73	TEH	TSH	.560 ZPANM
127	73	A10	09C	.520 ZPANM
40	74	TSH	TSH	.560 ZPANM
76	74	TSH	TSH	.560 ZPANM
86	74	01H	02H	.560 ZPANM
88	74	TSH	TSH	.560 ZPANM
123	75	TSH	TSH	.560 ZPANM
62	76	06C	07C	.560 ZPANM
100	76	06H	07H	.560 ZPANM
55	77	TEH	TSH	.560 ZPANM
111	77	07C	08C	.560 ZPANM
127	77	05H	06H	.560 ZPANM
127	77	TSH	TSH	.560 ZPANM
2	78	03C	04C	.560 ZPANM
22	78	TSH	TSH	.560 ZPANM
112	78	TSH	TSH	.560 ZPANM
91	79	TSH	TSH	.560 ZPANM
115	79	TSH	TSH	.560 ZPANM
123	79	TSH	TSH	.560 ZPANM
44	80	TSH	TSH	.560 ZPANM
68	80	08H	09H	.560 ZPANM
68	80	08H	09H	.560 ZPANM
68	80	08H	09H	.560 ZPANM
92	80	03C	04C	.560 ZPANM
96	80	TSH	TSH	.560 ZPANM
27	81	06H	07H	.560 ZPANM
29	81	05H	06H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
29	81	05H	06H	.560 ZPANM
29	81	05H	06H	.560 ZPANM
29	81	06H	07H	.560 ZPANM
35	81	TSH	TSH	.560 ZPANM
39	81	TSH	TSH	.560 ZPANM
47	81	03H	04H	.560 ZPANM
47	81	01H	02H	.560 ZPANM
47	81	01H	02H	.560 ZPANM
47	81	03H	05H	.560 ZPANM
47	81	03H	04H	.560 ZPANM
47	81	01H	02H	.560 ZPANM
47	81	03H	05H	.560 ZPANM
47	81	03H	05H	.560 ZPANM
47	81	03H	05H	.560 ZPANM
53	81	TSH	TSH	.560 ZPANM
92	82	09H	A2	.520 ZPANM
117	83	08C	09C	.560 ZPANM
114	84	TSH	TSH	.560 ZPANM
25	85	07H	08H	.560 ZPANM
25	85	06H	07H	.560 ZPANM
25	85	06H	07H	.560 ZPANM
25	85	06H	07H	.560 ZPANM
69	85	TSH	TSH	.560 ZPANM
87	85	05H	06H	.560 ZPANM
10	86	03C	04C	.560 ZPANM
68	86	08H	09H	.560 ZPANM
68	86	08H	09H	.560 ZPANM
118	86	06C	07C	.560 ZPANM
11	87	TSH	TSH	.560 ZPANM
107	87	04H	05H	.560 ZPANM
107	87	04H	05H	.560 ZPANM
107	87	09H	09H	.560 ZPANM
115	87	TSH	TSH	.560 ZPANM
127	87	09H	09H	.560 ZPANM
127	87	09H	09H	.560 ZPANM
28	88	TSH	TSH	.560 ZPANM
40	88	07C	08C	.560 ZPANM
112	88	08C	09C	.560 ZPANM
15	89	04C	05C	.560 ZPANM
21	89	02H	03H	.560 ZPANM
23	89	04H	05H	.560 ZPANM
25	89	02H	03H	.560 ZPANM
25	89	03H	04H	.560 ZPANM
25	89	02H	03H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
25	89	02H	03H	.560 ZPANM
27	89	TSH	TSH	.560 ZPANM
29	89	TSH	TSH	.560 ZPANM
105	89	01H	02H	.560 ZPANM
105	89	01C	02C	.560 ZPANM
107	89	08H	09H	.560 ZPANM
107	89	08H	09H	.560 ZPANM
107	89	08H	09H	.560 ZPANM
123	89	09H	09H	.560 ZPANM
123	89	09H	09H	.560 ZPANM
64	90	TSH	TSH	.560 ZPANM
126	90	09C	09C	.560 ZPANM
126	90	09H	09H	.560 ZPANM
126	90	09H	09H	.560 ZPANM
126	90	09C	09C	.560 ZPANM
125	91	09C	09C	.560 ZPANM
125	91	09C	09C	.560 ZPANM
18	92	07H	08H	.560 ZPANM
18	92	08H	09H	.560 ZPANM
18	92	07H	08H	.560 ZPANM
18	92	07H	08H	.560 ZPANM
50	92	TSH	TSH	.560 ZPANM
120	92	09H	09H	.560 ZPANM
120	92	09H	09H	.560 ZPANM
124	92	09C	09C	.560 ZPANM
124	92	09H	09H	.560 ZPANM
124	92	09H	09H	.560 ZPANM
124	92	09C	09C	.560 ZPANM
29	93	TSH	TSH	.560 ZPANM
57	93	04H	05H	.560 ZPANM
101	93	08C	09C	.560 ZPANM
117	93	FBH	01H	.560 ZPANM
125	93	TSH	TSH	.560 ZPANM
16	94	TSH	TSH	.560 ZPANM
54	94	TSH	TSH	.560 ZPANM
1	95	09H	09C	.520 ZPANM
5	95	TSH	TSH	.560 ZPANM
121	95	TSH	TSH	.560 ZPANM
22	96	TSH	TSH	.560 ZPANM
46	96	02H	03H	.560 ZPANM
70	96	TSH	TSH	.560 ZPANM
98	96	A5	09C	.520 ZPANM
106	96	TSH	TSH	.560 ZPANM
122	96	09C	09C	.560 ZPANM



Tubes Examined  
by RPC

1RSG 12269

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
122	96	09C	09C	.560 ZPANM
124	96	09C	09C	.560 ZPANM
124	96	09C	09C	.560 ZPANM
124	96	09H	09H	.560 ZPANM
124	96	09H	09H	.560 ZPANM
1	97	TSH	TSH	.560 ZPANM
1	97	09H	09C	.520 ZPANM
22	98	01C	02C	.560 ZPANM
118	98	09H	09H	.560 ZPANM
118	98	09H	09H	.560 ZPANM
117	99	TSH	TSH	.560 ZPANM
16	100	TSH	TSH	.560 ZPANM
120	100	09C	09C	.560 ZPANM
120	100	09C	09C	.560 ZPANM
122	100	09H	09H	.560 ZPANM
122	100	09H	09H	.560 ZPANM
3	101	TSH	TSH	.560 ZPANM
119	101	09H	09H	.560 ZPANM
119	101	09H	09H	.560 ZPANM
12	102	02C	03C	.560 ZPANM
114	102	09C	A13	.520 ZPANM
118	102	TSH	TSH	.560 ZPANM
120	102	09C	09C	.560 ZPANM
120	102	09C	09C	.560 ZPANM
23	103	02H	03H	.560 ZPANM
23	103	02H	03H	.560 ZPANM
23	103	02H	03H	.560 ZPANM
23	103	02H	03H	.560 ZPANM
27	103	TSH	TSH	.560 ZPANM
93	103	09C	A15	.520 ZPANM
105	103	TSH	TSH	.560 ZPANM
2	104	TSH	TSH	.560 ZPANM
6	104	03H	04H	.560 ZPANM
14	104	01C	01C	.560 ZPANM
76	104	TSH	TSH	.560 ZPANM
120	104	09H	09H	.560 ZPANM
120	104	09C	09C	.560 ZPANM
120	104	09H	09H	.560 ZPANM
120	104	09C	09C	.560 ZPANM
11	105	04H	05H	.560 ZPANM
39	105	06C	07C	.560 ZPANM
45	105	TSC	FBC	.560 ZPANM
69	105	05H	05H	.560 ZPANM
87	105	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
115	105	09H	09H	.560 ZPANM
119	105	09C	09C	.560 ZPANM
119	105	09C	09C	.560 ZPANM
20	106	TSH	TSH	.560 ZPANM
36	106	TSH	TSH	.560 ZPANM
106	106	03C	04C	.560 ZPANM
13	107	TSH	TSH	.560 ZPANM
59	107	TEH	TSH	.560 ZPANM
63	107	TEH	TSH	.560 ZPANM
67	107	TSH	TSH	.560 ZPANM
111	107	TEH	TSH	.560 ZPANM
16	108	09H	A2	.520 ZPANM
64	108	04H	05H	.560 ZPANM
64	108	03H	04H	.560 ZPANM
108	108	03C	04C	.560 ZPANM
110	108	01C	02C	.560 ZPANM
114	108	09H	09H	.560 ZPANM
114	108	09H	09H	.560 ZPANM
116	108	TSH	TSH	.560 ZPANM
5	109	TSH	FBH	.560 ZPANM
113	109	09C	09C	.560 ZPANM
113	109	09C	09C	.560 ZPANM
115	109	09C	09C	.560 ZPANM
115	109	09C	09C	.560 ZPANM
115	109	09C	09C	.560 ZPANM
34	110	05C	06C	.560 ZPANM
60	110	05H	06H	.560 ZPANM
82	110	03C	04C	.560 ZPANM
116	110	09H	09H	.560 ZPANM
116	110	09C	09C	.560 ZPANM
116	110	09C	09C	.560 ZPANM
116	110	08C	08C	.560 ZPANM
116	110	09H	09H	.560 ZPANM
13	111	TSH	TSH	.560 ZPANM
17	111	08H	09H	.560 ZPANM
111	111	09C	09C	.560 ZPANM
111	111	09C	09C	.560 ZPANM
115	111	09C	09C	.560 ZPANM
115	111	09H	09H	.560 ZPANM
115	111	09H	09H	.560 ZPANM
115	111	09C	09C	.560 ZPANM
30	112	03H	04H	.560 ZPANM
34	112	TSH	TSH	.560 ZPANM
46	112	08H	09H	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
46	112	TSH	TSH	.560 ZPANM
88	112	05C	06C	.560 ZPANM
94	112	TSH	TSH	.560 ZPANM
106	112	04H	05H	.560 ZPANM
110	112	09H	09H	.560 ZPANM
110	112	09H	09H	.560 ZPANM
112	112	09C	09C	.560 ZPANM
112	112	09C	09C	.560 ZPANM
114	112	09H	09H	.560 ZPANM
114	112	09C	09C	.560 ZPANM
114	112	09H	09H	.560 ZPANM
114	112	09C	09C	.560 ZPANM
7	113	TSH	TSH	.560 ZPANM
107	113	A7	09C	.520 ZPANM
107	113	A7	09C	.520 ZPANM
111	113	09H	09H	.560 ZPANM
111	113	09C	09C	.560 ZPANM
111	113	09C	09C	.560 ZPANM
111	113	09C	09C	.560 ZPANM
111	113	09C	09C	.560 ZPANM
111	113	09H	09H	.560 ZPANM
113	113	09H	09H	.560 ZPANM
113	113	09H	09H	.560 ZPANM
113	113	09C	09C	.560 ZPANM
113	113	09C	09C	.560 ZPANM
74	114	05H	06H	.560 ZPANM
78	114	05H	06H	.560 ZPANM
80	114	A5	09C	.520 ZPANM
110	114	09H	09H	.560 ZPANM
110	114	09H	09H	.560 ZPANM
112	114	09C	09C	.560 ZPANM
112	114	09H	09H	.560 ZPANM
112	114	09C	09C	.560 ZPANM
112	114	09H	09H	.560 ZPANM
3	115	TSH	TSH	.560 ZPANM
69	115	TEH	TSH	.560 ZPANM
109	115	09H	09H	.560 ZPANM
109	115	09H	09H	.560 ZPANM
111	115	09H	09H	.560 ZPANM
111	115	09C	09C	.560 ZPANM
111	115	09H	09H	.560 ZPANM
111	115	09C	09C	.560 ZPANM
111	115	09C	09C	.560 ZPANM
60	116	TEH	TSH	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
108	116	09H	09H	.560 ZPANM
108	116	09H	09H	.560 ZPANM
108	116	09C	09C	.560 ZPANM
108	116	09C	09C	.560 ZPANM
108	116	09C	09C	.560 ZPANM
110	116	09C	09C	.560 ZPANM
110	116	09C	09C	.560 ZPANM
110	116	09H	09H	.560 ZPANM
110	116	09H	09H	.560 ZPANM
110	116	09C	09C	.560 ZPANM
1	117	TSH	TSH	.560 ZPANM
3	117	TSH	TSH	.560 ZPANM
37	117	05C	06C	.560 ZPANM
105	117	09H	09H	.560 ZPANM
105	117	09H	09H	.560 ZPANM
105	117	09C	09C	.560 ZPANM
105	117	09C	09C	.560 ZPANM
105	117	09C	09C	.560 ZPANM
105	117	09C	09C	.560 ZPANM
105	117	09C	09C	.560 ZPANM
107	117	09H	09H	.560 ZPANM
107	117	09H	09H	.560 ZPANM
109	117	09C	09C	.560 ZPANM
109	117	09C	09C	.560 ZPANM
109	117	09C	09C	.560 ZPANM
102	118	06C	07C	.560 ZPANM
106	118	09H	09H	.560 ZPANM
106	118	09H	09H	.560 ZPANM
108	118	09C	09C	.560 ZPANM
108	118	09H	09H	.560 ZPANM
108	118	09H	09H	.560 ZPANM
108	118	09C	09C	.560 ZPANM
87	119	07H	08H	.560 ZPANM
89	119	TSH	TSH	.560 ZPANM
107	119	09H	09H	.560 ZPANM
107	119	09H	09H	.560 ZPANM
107	119	09C	09C	.560 ZPANM
107	119	09C	09C	.560 ZPANM
14	120	TSH	TSH	.560 ZPANM
70	120	TSH	TSH	.560 ZPANM
74	120	TEH	TSH	.560 ZPANM
94	120	TEH	TSH	.560 ZPANM
100	120	TSH	TSH	.560 ZPANM
106	120	09C	09C	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
106	120	TSH	TSH	.560 ZPANM
106	120	09C	09C	.560 ZPANM
21	121	05H	06H	.560 ZPANM
21	121	05H	06H	.560 ZPANM
41	121	TEH	TSH	.560 ZPANM
81	121	07H	08H	.560 ZPANM
32	122	03H	04H	.560 ZPANM
100	122	09C	09C	.560 ZPANM
100	122	09H	09H	.560 ZPANM
102	122	09C	09C	.560 ZPANM
102	122	09C	09C	.560 ZPANM
37	123	TEH	TSH	.560 ZPANM
55	123	02H	03H	.560 ZPANM
73	123	03H	04H	.560 ZPANM
75	123	03H	04H	.560 ZPANM
75	123	07H	07H	.560 ZPANM
77	123	TSH	TSH	.560 ZPANM
95	123	04H	04H	.560 ZPANM
95	123	09H	09H	.560 ZPANM
97	123	09H	09H	.560 ZPANM
34	124	TEH	TSH	.560 ZPANM
48	124	TSH	TSH	.560 ZPANM
84	124	TEH	TSH	.560 ZPANM
88	124	01H	02H	.560 ZPANM
93	125	09H	09H	.560 ZPANM
95	125	06C	07C	.560 ZPANM
99	125	09H	09H	.560 ZPANM
99	125	09H	09H	.560 ZPANM
99	125	09C	09C	.560 ZPANM
99	125	09C	09C	.560 ZPANM
64	126	TSH	TSH	.560 ZPANM
9	127	06C	07C	.560 ZPANM
9	127	06C	07C	.560 ZPANM
13	127	TSH	TSH	.560 ZPANM
25	127	07H	08H	.560 ZPANM
25	127	07H	08H	.560 ZPANM
25	127	02H	03H	.560 ZPANM
69	127	01C	02C	.560 ZPANM
75	127	TSH	TSH	.560 ZPANM
95	127	09H	09H	.560 ZPANM
95	127	09H	09H	.560 ZPANM
97	127	09C	09C	.560 ZPANM
97	127	09C	09C	.560 ZPANM
6	128	04H	05H	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
42	128	TSH	TSH	.560 ZPANM
54	128	03H	04H	.560 ZPANM
86	128	TSH	TSH	.560 ZPANM
88	128	09H	09H	.560 ZPANM
96	128	09H	09H	.560 ZPANM
96	128	09H	09H	.560 ZPANM
1	129	TSH	TSH	.560 ZPANM
53	129	TEH	TSH	.560 ZPANM
55	129	TSH	TSH	.560 ZPANM
57	129	01C	02C	.560 ZPANM
85	129	09H	09H	.560 ZPANM
28	130	TEH	TSH	.560 ZPANM
78	130	TSH	TSH	.560 ZPANM
88	130	TSH	TSH	.560 ZPANM
90	130	09C	09C	.560 ZPANM
90	130	09C	09C	.560 ZPANM
92	130	TSH	TSH	.560 ZPANM
59	131	TSH	TSH	.560 ZPANM
85	131	09H	09H	.560 ZPANM
85	131	09H	09H	.560 ZPANM
89	131	09H	09H	.560 ZPANM
89	131	09C	09C	.560 ZPANM
89	131	09H	09H	.560 ZPANM
89	131	09C	09C	.560 ZPANM
91	131	09H	09H	.560 ZPANM
91	131	09C	09C	.560 ZPANM
91	131	09C	09C	.560 ZPANM
91	131	09H	09H	.560 ZPANM
50	132	05C	06C	.560 ZPANM
74	132	07H	08H	.560 ZPANM
88	132	09H	09H	.560 ZPANM
88	132	09H	09H	.560 ZPANM
88	132	09C	09C	.560 ZPANM
88	132	09C	09C	.560 ZPANM
19	133	TEH	TSH	.560 ZPANM
43	133	TEH	TSH	.560 ZPANM
51	133	TEH	TSH	.560 ZPANM
57	133	TEH	TSH	.560 ZPANM
87	133	09C	09C	.560 ZPANM
87	133	09C	09C	.560 ZPANM
2	134	TSH	TSH	.560 ZPANM
10	134	TEH	TSH	.560 ZPANM
16	134	TEH	TSH	.560 ZPANM
84	134	09H	09H	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
84	134	09H	09H	.560 ZPANM
86	134	09C	09C	.560 ZPANM
86	134	09C	09C	.560 ZPANM
79	135	05C	06C	.560 ZPANM
81	135	09C	09C	.560 ZPANM
81	135	09C	09C	.560 ZPANM
83	135	09C	09C	.560 ZPANM
83	135	09C	09C	.560 ZPANM
24	136	08H	09H	.560 ZPANM
60	136	A5	09C	.520 ZPANM
80	136	09C	09C	.560 ZPANM
80	136	09C	09C	.560 ZPANM
82	136	09H	09H	.560 ZPANM
82	136	09C	09C	.560 ZPANM
82	136	TSH	TSH	.560 ZPANM
82	136	09H	09H	.560 ZPANM
82	136	09C	09C	.560 ZPANM
29	137	TEH	TSH	.560 ZPANM
63	137	TEH	TSH	.560 ZPANM
73	137	09C	09C	.560 ZPANM
79	137	09H	09H	.560 ZPANM
79	137	09H	09H	.560 ZPANM
76	138	09C	09C	.560 ZPANM
76	138	09C	09C	.560 ZPANM
65	139	TEH	TSH	.560 ZPANM
73	139	09H	09H	.560 ZPANM
75	139	09C	09C	.560 ZPANM
75	139	09C	09C	.560 ZPANM
8	140	TSH	TSH	.560 ZPANM
26	140	TSH	TSH	.560 ZPANM
64	140	09C	09C	.560 ZPANM
70	140	09C	09C	.560 ZPANM
70	140	09C	09C	.560 ZPANM
72	140	09H	09H	.560 ZPANM
47	141	TSH	TSH	.560 ZPANM
1	143	TSH	TSH	.560 ZPANM
61	143	09C	09C	.560 ZPANM
61	143	09C	09C	.560 ZPANM
61	143	09H	09H	.560 ZPANM
61	143	09H	09H	.560 ZPANM
63	143	09H	09H	.560 ZPANM
63	143	09H	09H	.560 ZPANM
65	143	09H	09H	.560 ZPANM
65	143	09H	09H	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
44	144	01H	02H	.560 ZPANM
58	144	09C	09C	.560 ZPANM
58	144	09C	09C	.560 ZPANM
62	144	09C	09C	.560 ZPANM
62	144	09C	09C	.560 ZPANM
47	145	07C	08C	.560 ZPANM
50	146	09C	09C	.560 ZPANM
50	146	09C	09C	.560 ZPANM
56	146	09C	09C	.560 ZPANM
56	146	09C	09C	.560 ZPANM
11	147	04C	05C	.560 ZPANM
53	147	09C	09C	.560 ZPANM
53	147	09H	09H	.560 ZPANM
53	147	09H	09H	.560 ZPANM
53	147	09C	09C	.560 ZPANM
46	148	09H	09H	.560 ZPANM
50	148	TSH	TSH	.560 ZPANM
50	148	09C	09C	.560 ZPANM
50	148	09C	09C	.560 ZPANM
35	149	TSH	TSH	.560 ZPANM
41	149	TSH	TSH	.560 ZPANM
41	149	09C	09C	.560 ZPANM
6	150	07H	08H	.560 ZPANM
12	150	TSH	TSH	.560 ZPANM
5	151	TSH	TSH	.560 ZPANM
30	152	TSH	TSH	.560 ZPANM
3	153	TSH	TSH	.560 ZPANM
12	154	TSH	TSH	.560 ZPANM



Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
1	1	TSH	TSH	.560 ZPANM
6	2	TSH	TSH	.560 ZPANM
19	3	TSH	TSH	.560 ZPANM
3	5	08C	09C	.560 ZPANM
21	5	01H	02H	.560 ZPANM
27	5	TSH	TSH	.560 ZPANM
37	5	TSH	TSH	.560 ZPANM
41	7	05C	06C	.560 ZPANM
8	8	TEH	FBH	.560 ZPANM
30	8	08H	09C	.520 ZPAMB
50	8	TSH	TSH	.560 ZPANM
47	9	07C	08C	.560 ZPANM
56	12	TSH	TSH	.560 ZPANM
1	13	TSH	TSH	.560 ZPANM
49	13	TSH	TSH	.560 ZPANM
68	14	TSH	TSH	.560 ZPANM
11	15	TSH	TSH	.560 ZPANM
31	15	TSH	TSH	.560 ZPANM
65	15	01C	02C	.560 ZPANM
54	16	TSH	TSH	.560 ZPANM
29	17	04H	05H	.560 ZPANM
26	18	TSH	TSH	.560 ZPANM
42	18	09C	09C	.560 ZPANM
49	19	TSH	TSH	.560 ZPANM
20	20	TSH	TSH	.560 ZPANM
74	20	TSH	TSH	.560 ZPANM
80	20	A6	09H	.520 ZPAMB
1	21	TSH	TSH	.560 ZPANM
19	21	08H	09H	.560 ZPANM
79	21	TSH	TSH	.560 ZPANM
83	21	TSH	TSH	.560 ZPANM
44	22	03H	04H	.560 ZPANM
70	22	TSH	TSH	.560 ZPANM
33	23	04C	05C	.560 ZPANM
38	24	TSH	TSH	.560 ZPANM
40	24	03H	04H	.560 ZPANM
42	24	05C	06C	.560 ZPANM
62	24	TSH	TSH	.560 ZPANM
31	25	TSH	TSH	.560 ZPANM
73	27	08C	09C	.560 ZPANM
96	28	TSH	TSH	.560 ZPANM
23	29	TSH	TSH	.560 ZPANM
57	29	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
64	30	TSH	TSH	.560 ZPANM
76	32	TSH	TSH	.560 ZPANM
80	32	03H	04H	.560 ZPANM
88	32	A6	09H	.520 ZPAMB
1	33	TSH	TSH	.560 ZPANM
61	35	TSC	FBC	.560 ZPANM
103	35	TSH	TSH	.560 ZPANM
48	36	TSH	TSH	.560 ZPANM
54	36	TSH	TSH	.560 ZPANM
70	36	TSH	TSH	.560 ZPANM
100	36	TSH	TSH	.560 ZPANM
33	37	06H	07H	.560 ZPANM
53	37	02H	03H	.560 ZPANM
57	37			.560 ZPANM
73	37	03H	04H	.560 ZPANM
60	38	04H	05H	.560 ZPANM
62	38	09C	09C	.560 ZPANM
88	38	TSH	TSH	.560 ZPANM
1	39	08C	09C	.560 ZPANM
31	39	07H	07H	.560 ZPANM
87	39	A12	09H	.520 ZPAMB
98	40	08H	09H	.560 ZPANM
75	41	TSH	TSH	.560 ZPANM
10	42	TSH	TSH	.560 ZPANM
24	42	TSH	TSH	.560 ZPANM
1	43	01C	02C	.560 ZPANM
19	43	03C	04C	.560 ZPANM
35	43	TSH	TSH	.560 ZPANM
53	43	TSH	TSH	.560 ZPANM
22	44	07H	08H	.560 ZPANM
6	46	TEH	TSH	.560 ZPANM
16	46	TSH	TSH	.560 ZPANM
24	46	06C	07C	.560 ZPANM
64	46	TSH	TSH	.560 ZPANM
116	46	TSH	TSH	.560 ZPANM
1	47	TSH	TSH	.560 ZPANM
15	47	08C	09C	.560 ZPANM
45	47	TSC	FBC	.560 ZPANM
61	47	TSC	FBC	.560 ZPANM
38	48	TSH	TSH	.560 ZPANM
48	48	TSH	TSH	.560 ZPANM
86	48	TSH	TSH	.560 ZPANM
45	49	TSC	FBC	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
101	49	07H	08H	.560 ZPANM
36	50	TSH	TSH	.560 ZPANM
78	50	TSH	TSH	.560 ZPANM
3	51	TSH	TSH	.560 ZPANM
69	51	TSC	01C	.560 ZPANM
81	51	09C	09C	.560 ZPANM
85	51	09C	09C	.560 ZPANM
91	51	A10	09H	.520 ZPAMB
93	51	A10	09H	.520 ZPAMB
95	51	A5	09C	.520 ZPAMB
97	51	A5	09C	.520 ZPAMB
119	51	09C	09C	.560 ZPANM
92	52	A10	09H	.520 ZPAMB
94	52	A10	09H	.520 ZPAMB
96	52	A10	09H	.520 ZPAMB
98	52	A10	09H	.520 ZPAMB
100	52	07H	07H	.560 ZPANM
1	53	03H	04H	.560 ZPANM
7	53	TSH	TSH	.560 ZPANM
83	53	03C	04C	.560 ZPANM
91	53	A10	09H	.520 ZPAMB
93	53	A5	09C	.520 ZPAMB
95	53	09C	09C	.560 ZPANM
97	53	A5	09C	.520 ZPAMB
99	53	A10	09H	.520 ZPAMB
2	54	TEH	TSH	.560 ZPANM
26	54	07C	08C	.560 ZPANM
92	54	A5	09C	.520 ZPAMB
94	54	A5	09C	.520 ZPAMB
96	54	A10	09H	.520 ZPAMB
98	54	A7	09C	.520 ZPAMB
63	55	TSH	TSH	.560 ZPANM
83	55	02C	03C	.560 ZPANM
93	55	A10	09H	.520 ZPAMB
95	55	A5	09C	.520 ZPAMB
97	55	A6	09C	.520 ZPAMB
101	55	TSH	TSH	.560 ZPANM
103	55	07H	07H	.560 ZPANM
107	55	07H	07H	.560 ZPANM
52	56	TSH	TSH	.560 ZPANM
62	56	08H	09H	.560 ZPANM
76	56	TSH	TSH	.560 ZPANM
102	56	07H	07H	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
104	56	07H	07H	.560 ZPANM
106	56	07H	07H	.560 ZPANM
108	56	07H	07H	.560 ZPANM
122	56	TSH	TSH	.560 ZPANM
89	57	TSC	FBC	.560 ZPANM
99	57	07H	07H	.560 ZPANM
107	57	07H	07H	.560 ZPANM
109	57	07H	07H	.560 ZPANM
115	57	07H	07H	.560 ZPANM
10	58	02C	03C	.560 ZPANM
98	58	TSH	TSH	.560 ZPANM
100	58	07H	07H	.560 ZPANM
102	58	07H	07H	.560 ZPANM
104	58	07H	07H	.560 ZPANM
106	58	07H	07H	.560 ZPANM
110	58	07H	07H	.560 ZPANM
7	59	TSH	TSH	.560 ZPANM
21	59	TSH	TSH	.560 ZPANM
101	59	07H	07H	.560 ZPANM
103	59	08H	08H	.560 ZPANM
105	59	07H	07H	.560 ZPANM
107	59	07H	07H	.560 ZPANM
111	59	07H	07H	.560 ZPANM
6	60	TSC	01C	.560 ZPANM
80	60	01C	02C	.560 ZPANM
104	60	07H	07H	.560 ZPANM
106	60	07H	07H	.560 ZPANM
108	60	07H	07H	.560 ZPANM
110	60	07H	07H	.560 ZPANM
1	61	TSH	TSH	.560 ZPANM
11	61	TSH	TSH	.560 ZPANM
15	61	TSH	TSH	.560 ZPANM
61	61	TSH	TSH	.560 ZPANM
75	61	TSH	TSH	.560 ZPANM
95	61	07C	08C	.560 ZPANM
103	61	07H	07H	.560 ZPANM
105	61	04H	05H	.560 ZPANM
107	61	07H	07H	.560 ZPANM
22	62	TSH	01H	.560 ZPANM
92	62	07C	08C	.560 ZPANM
94	62	07C	08C	.560 ZPANM
100	62	07H	07H	.560 ZPANM
102	62	07H	07H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12270

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
104	62	07H	07H	.560 ZPANM
106	62	07H	07H	.560 ZPANM
108	62	06H	07H	.560 ZPANM
114	62	07H	07H	.560 ZPANM
118	62	04H	05H	.560 ZPANM
3	63	TSH	TSH	.560 ZPANM
45	63	TSH	TSH	.560 ZPANM
99	63	07H	07H	.560 ZPANM
8	64	TSH	TSH	.560 ZPANM
92	64	05C	06C	.560 ZPANM
104	64	07H	07H	.560 ZPANM
110	64	07H	07H	.560 ZPANM
1	65	TSH	TSH	.560 ZPANM
21	65	TSH	TSH	.560 ZPANM
47	65	02C	03C	.560 ZPANM
99	65	08H	08H	.560 ZPANM
103	65	07H	07H	.560 ZPANM
105	65	07H	07H	.560 ZPANM
107	65	06H	07H	.560 ZPANM
109	65	TSH	TSH	.560 ZPANM
24	66	TSH	TSH	.560 ZPANM
42	66	TSH	TSH	.560 ZPANM
106	66	08H	09H	.560 ZPANM
118	66	TSH	TSH	.560 ZPANM
13	67	TSH	TSH	.560 ZPANM
31	67	TSH	TSH	.560 ZPANM
69	67	06C	07C	.560 ZPANM
105	67	06H	07H	.560 ZPANM
117	67	TSH	TSH	.560 ZPANM
125	67	TSH	TSH	.560 ZPANM
18	68	TSH	TSH	.560 ZPANM
80	68	08C	08C	.560 ZPANM
84	68	TSH	TSH	.560 ZPANM
112	68	07H	07H	.560 ZPANM
114	68	07H	07H	.560 ZPANM
118	68	TSH	TSH	.560 ZPANM
120	68	TSH	TSH	.560 ZPANM
122	68	TSH	TSH	.560 ZPANM
124	68	TSH	TSH	.560 ZPANM
9	69	TSH	TSH	.560 ZPANM
23	69	TSH	TSH	.560 ZPANM
63	69	TSH	TSH	.560 ZPANM
14	70	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12270

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
42	70	TSH	TSH	.560 ZPANM
90	70	04H	05H	.560 ZPANM
108	70	07H	07H	.560 ZPANM
122	70	TSH	TSH	.560 ZPANM
126	70	TSH	TSH	.560 ZPANM
19	71	TSH	TSH	.560 ZPANM
27	71	TSH	TSH	.560 ZPANM
83	71	03C	04C	.560 ZPANM
68	72	08C	09C	.560 ZPANM
108	72	07H	08H	.560 ZPANM
83	73	TSH	TSH	.560 ZPANM
125	73	TSH	TSH	.560 ZPANM
22	74	TSH	TSH	.560 ZPANM
108	74	06H	07H	.560 ZPANM
110	74	TSH	FBH	.560 ZPANM
3	75	05C	06C	.560 ZPANM
27	75	TSH	TSH	.560 ZPANM
69	75	03H	04H	.560 ZPANM
109	75	FBH	01H	.560 ZPANM
127	75	TSH	TSH	.560 ZPANM
108	76	03H	04H	.560 ZPANM
15	77	08C	08C	.560 ZPANM
23	77	TSH	TSH	.560 ZPANM
47	77	TSH	TSH	.560 ZPANM
59	77	04H	05H	.560 ZPANM
67	77	TSH	TSH	.560 ZPANM
97	77	TSH	TSH	.560 ZPANM
117	77	TSH	TSH	.560 ZPANM
18	78	TSH	TSH	.560 ZPANM
30	78	08C	09C	.560 ZPANM
126	78	01H	02H	.560 ZPANM
31	79	TSH	TSH	.560 ZPANM
59	79	TSH	TSH	.560 ZPANM
77	79	TSH	TSH	.560 ZPANM
119	79	06H	07H	.560 ZPANM
123	79	03H	04H	.560 ZPANM
127	79	TSH	TSH	.560 ZPANM
46	80	TSH	FBH	.560 ZPANM
118	80	TSH	TSH	.560 ZPANM
120	80	07H	07H	.560 ZPANM
122	80	04C	05C	.560 ZPANM
5	81	01C	02C	.560 ZPANM
19	81	01C	02C	.560 ZPANM

Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
55	81	A16	09H	.520 ZPAMB
115	81	05H	06H	.560 ZPANM
119	81	TSH	TSH	.560 ZPANM
121	81	TSH	TSH	.560 ZPANM
10	82	01C	02C	.560 ZPANM
24	82	TSH	TSH	.560 ZPANM
26	82	08H	09H	.560 ZPANM
52	82	08H	09H	.560 ZPANM
108	82	TSH	TSH	.560 ZPANM
120	82	TSH	TSH	.560 ZPANM
19	83	TSH	TSH	.560 ZPANM
37	83	TSH	TSH	.560 ZPANM
16	84	TSH	TSH	.560 ZPANM
24	84	TSH	TSH	.560 ZPANM
28	84	TSH	TSH	.560 ZPANM
52	84	06H	07H	.560 ZPANM
110	84	03C	04C	.560 ZPANM
9	85	TSH	TSH	.560 ZPANM
81	85	TSH	TSH	.560 ZPANM
119	85	TSH	TSH	.560 ZPANM
121	85	FBC	01C	.560 ZPANM
14	86	TSC	FBC	.560 ZPANM
24	86	TSH	TSH	.560 ZPANM
68	86	TSH	TSH	.560 ZPANM
120	86	TSH	TSH	.560 ZPANM
1	87	TSH	TSH	.560 ZPANM
15	87	05H	06H	.560 ZPANM
23	87	TSH	TSH	.560 ZPANM
27	87	08H	09H	.560 ZPANM
53	87	TSH	TSH	.560 ZPANM
77	87	TSH	TSH	.560 ZPANM
107	87	TSH	TSH	.560 ZPANM
6	88	TSH	TSH	.560 ZPANM
14	88	TSH	TSH	.560 ZPANM
96	88	02C	03C	.560 ZPANM
102	88	08C	09C	.560 ZPANM
106	88	TSH	TSH	.560 ZPANM
69	89	02C	03C	.560 ZPANM
105	89	TSH	TSH	.560 ZPANM
18	90	TSH	TSH	.560 ZPANM
92	90	07H	08H	.560 ZPANM
96	90	08C	09C	.560 ZPANM
98	90	FBH	01H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12270

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
126	90	TSH	TSH	.560 ZPANM
3	91	08H	09H	.560 ZPANM
9	91	03H	04H	.560 ZPANM
109	91	TSC	FBC	.560 ZPANM
117	91	07H	08H	.560 ZPANM
8	92	TSH	TSH	.560 ZPANM
14	92	TSH	TSH	.560 ZPANM
74	92	TEH	TSH	.560 ZPANM
90	92	TSH	TSH	.560 ZPANM
120	92	TSH	TSH	.560 ZPANM
37	93	TSH	TSH	.560 ZPANM
89	93	08H	09H	.560 ZPANM
24	94	TSH	TSH	.560 ZPANM
60	94	TSH	TSH	.560 ZPANM
68	94	TSH	TSH	.560 ZPANM
122	94	03H	04H	.560 ZPANM
1	95	TSH	TSH	.560 ZPANM
47	95	08C	09C	.560 ZPANM
83	95	TSH	TSH	.560 ZPANM
6	96	TSH	TSH	.560 ZPANM
68	96	01H	02H	.560 ZPANM
120	96	04C	05C	.560 ZPANM
3	97	06H	07H	.560 ZPANM
49	97	TSH	TSH	.560 ZPANM
99	97	A7	09C	.520 ZPAMB
123	97	06C	07C	.560 ZPANM
36	98	07C	08C	.560 ZPANM
11	99	08C	09C	.560 ZPANM
122	100	TSH	TSH	.560 ZPANM
101	101	FBH	01H	.560 ZPANM
96	102	04H	05H	.560 ZPANM
102	102	05C	06C	.560 ZPANM
110	102	02H	03H	.560 ZPANM
77	103	TSH	TSH	.560 ZPANM
101	103	04H	05H	.560 ZPANM
109	103	TSH	TSH	.560 ZPANM
60	104	TSH	TSH	.560 ZPANM
29	105	08C	09C	.560 ZPANM
119	105	09C	09C	.560 ZPANM
6	106	05H	06H	.560 ZPANM
62	106	04H	05H	.560 ZPANM
80	106	TEH	TSH	.560 ZPANM
92	106	06H	07H	.560 ZPANM



Tubes Examined  
by RPC

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ROW	COLUMN	BEGIN TEST	END TEST	PROBE
118	106	TSH	TSH	.560 ZPANM
47	107	06H	07H	.560 ZPANM
91	107	TSH	TSH	.560 ZPANM
38	108	08C	09C	.560 ZPANM
7	109	02C	03C	.560 ZPANM
25	109	01C	02C	.560 ZPANM
8	110	TSH	TSH	.560 ZPANM
58	110	TSH	TSH	.560 ZPANM
88	110	02H	03H	.560 ZPANM
5	111	TSH	TSH	.560 ZPANM
53	111	TEH	FBH	.560 ZPANM
77	111	TSC	FBC	.560 ZPANM
105	111	TSH	TSH	.560 ZPANM
110	112	02H	03H	.560 ZPANM
1	113	TSH	TSH	.560 ZPANM
69	113	TSH	TSH	.560 ZPANM
24	114	FBH	TSH	.560 ZPANM
34	114	01C	02C	.560 ZPANM
38	114	TSH	TSH	.560 ZPANM
17	115	TSH	TSH	.560 ZPANM
67	115	05H	06H	.560 ZPANM
89	115	TSH	TSH	.560 ZPANM
105	115	TSH	TSH	.560 ZPANM
18	116	TSH	TSH	.560 ZPANM
30	116	TSH	TSH	.560 ZPANM
1	117	04H	05H	.560 ZPANM
3	117	TSC	FBC	.560 ZPANM
9	117	05C	06C	.560 ZPANM
35	117	02C	03C	.560 ZPANM
82	118	TSH	TSH	.560 ZPANM
108	118	TSH	TSH	.560 ZPANM
25	119	TSH	TSH	.560 ZPANM
49	119	06H	07H	.560 ZPANM
18	122	TSH	TSH	.560 ZPANM
36	122	02C	03C	.560 ZPANM
104	122	FBC	01C	.560 ZPANM
41	123	TSH	TSH	.560 ZPANM
49	123	06H	07H	.560 ZPANM
62	124	TEH	TSH	.560 ZPANM
75	125	TSH	TSH	.560 ZPANM
84	126	TSH	TSH	.560 ZPANM
5	127	06C	07C	.560 ZPANM
69	127	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12270

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
97	127	TSH	TSH	.560 ZPANM
2	128	TEH	TSH	.560 ZPANM
88	128	03C	04C	.560 ZPANM
15	129	FBH	01H	.560 ZPANM
41	129	08H	09H	.560 ZPANM
45	129	06C	07C	.560 ZPANM
51	129	TSH	TSH	.560 ZPANM
42	130	TEH	TSH	.560 ZPANM
89	131	05C	06C	.560 ZPANM
10	132	TSH	TSH	.560 ZPANM
5	133	02H	03H	.560 ZPANM
26	134	06C	07C	.560 ZPANM
56	134	TSH	TSH	.560 ZPANM
19	135	03H	04H	.560 ZPANM
83	135	TEH	FBH	.560 ZPANM
18	136	05C	06C	.560 ZPANM
32	136	03H	04H	.560 ZPANM
70	136	TSH	TSH	.560 ZPANM
78	136	TSH	TSH	.560 ZPANM
47	137	01H	02H	.560 ZPANM
53	137	FBH	01H	.560 ZPANM
78	138	09H	09H	.560 ZPANM
27	139	05H	06H	.560 ZPANM
75	139	TSH	TSH	.560 ZPANM
36	140	TEH	TSH	.560 ZPANM
38	140	TEH	TSH	.560 ZPANM
52	140	08H	09H	.560 ZPANM
45	141	02C	03C	.560 ZPANM
20	142	08C	09C	.560 ZPANM
1	143	TSH	TSH	.560 ZPANM
7	143	08C	09C	.560 ZPANM
32	144	TSH	TSH	.560 ZPANM
40	144	TSH	TSH	.560 ZPANM
62	144	TSH	TSH	.560 ZPANM
41	145	07C	08C	.560 ZPANM
48	146	04H	05H	.560 ZPANM
27	147	05H	06H	.560 ZPANM
33	147	03C	04C	.560 ZPANM
28	148	06H	06H	.560 ZPANM
46	148	TSH	TSH	.560 ZPANM
4	150	03C	04C	.560 ZPANM
33	151	TSH	TSH	.560 ZPANM
30	152	05H	06H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12270

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
2	154	TSC	FBC	.560 ZPANM
6	154	TSH	TSH	.560 ZPANM
16	154	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

IRSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
1	1	TSH	TSH	.560 ZPANM
4	2	TSH	TSH	.560 ZPANM
15	3	TSH	TSH	.560 ZPANM
19	3	TSH	TSH	.560 ZPANM
14	4	A2	09H	.520 ZPANM
30	4	TSH	TSH	.560 ZPANM
13	5	TSH	TSH	.560 ZPANM
19	5	TSH	TSH	.560 ZPANM
2	6	TSH	TSH	.560 ZPANM
42	6	TSH	TSH	.560 ZPANM
29	7	TSH	TSH	.560 ZPANM
1	9	TSH	TSH	.560 ZPANM
9	9	04C	05C	.560 ZPANM
13	9	TSH	TSH	.560 ZPANM
53	9	09C	09C	.560 ZPANM
52	10	09C	09C	.560 ZPANM
54	10	09C	09C	.560 ZPANM
23	11	TSH	TSH	.560 ZPANM
33	11	TSH	TSH	.560 ZPANM
51	11	09C	09C	.560 ZPANM
55	11	TSH	TSH	.560 ZPANM
57	11	09C	09C	.560 ZPANM
59	11	09C	09C	.560 ZPANM
52	12	09C	09C	.560 ZPANM
54	12	09C	09C	.560 ZPANM
56	12	09C	09C	.560 ZPANM
58	12	09C	09C	.560 ZPANM
60	12	09C	09C	.560 ZPANM
62	12	09C	09C	.560 ZPANM
53	13	09C	09C	.560 ZPANM
59	13	09C	09C	.560 ZPANM
63	13	09C	09C	.560 ZPANM
65	13	09C	09C	.560 ZPANM
50	14	TSH	TSH	.560 ZPANM
56	14	09C	09C	.560 ZPANM
64	14	09C	09C	.560 ZPANM
61	15	07C	08C	.560 ZPANM
64	16	09C	09C	.560 ZPANM
68	16	09C	09C	.560 ZPANM
72	16	TSH	TSH	.560 ZPANM
3	17	TSH	TSH	.560 ZPANM
67	17	09C	09C	.560 ZPANM
12	18	TSH	TSH	.560 ZPANM
62	18	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
78	18	09C	09C	.560 ZPANM
73	19	09C	09C	.560 ZPANM
75	19	09C	09C	.560 ZPANM
77	19	TSH	TSH	.560 ZPANM
30	20	08C	09C	.560 ZPANM
82	20	09C	09C	.560 ZPANM
58	22	TSH	TSH	.560 ZPANM
84	22	TSH	TSH	.560 ZPANM
21	23	08C	09C	.560 ZPANM
81	23	09C	09C	.560 ZPANM
4	24	TSH	TSH	.560 ZPANM
80	24	09C	09C	.560 ZPANM
82	24	09C	09C	.560 ZPANM
86	24	09C	09C	.560 ZPANM
15	25	TSH	TSH	.560 ZPANM
89	25	09C	09C	.560 ZPANM
91	25	09C	09C	.560 ZPANM
26	26	TSH	TSH	.560 ZPANM
7	27	TSH	TSH	.560 ZPANM
9	27	04H	05H	.560 ZPANM
11	27	FBH	01H	.560 ZPANM
13	27	04C	05C	.560 ZPANM
83	27	01C	02C	.560 ZPANM
87	27	09C	09C	.560 ZPANM
93	27	09C	09C	.560 ZPANM
46	28	TSH	TSH	.560 ZPANM
80	28	08C	09C	.560 ZPANM
94	28	09C	09C	.560 ZPANM
96	28	09H	09H	.560 ZPANM
1	29	TSH	TSH	.560 ZPANM
29	29	TSH	TSH	.560 ZPANM
37	29	TSH	TSH	.560 ZPANM
61	29	TSH	TSH	.560 ZPANM
83	29	TSH	TSH	.560 ZPANM
97	29	09H	09H	.560 ZPANM
80	30	08C	09C	.560 ZPANM
17	31	TSH	TSH	.560 ZPANM
97	31	09C	09C	.560 ZPANM
99	31	09H	09H	.560 ZPANM
62	32	A2	09H	.520 ZPANM
76	32	TSH	TSH	.560 ZPANM
100	32	09H	09H	.560 ZPANM
99	33	09C	09C	.560 ZPANM
101	33	09C	09C	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
28	34	TSH	TSH	.560 ZPANM
98	34	09C	09C	.560 ZPANM
15	35	09C	A15	.520 ZPANM
65	35	TSH	TSH	.560 ZPANM
103	35	09C	09C	.560 ZPANM
10	36	TSH	TSH	.560 ZPANM
46	36	TSH	TSH	.560 ZPANM
94	36	TSH	TSH	.560 ZPANM
104	36	09C	09C	.560 ZPANM
106	36	A10	09H	.520 ZPANM
1	37	TSH	TSH	.560 ZPANM
75	37	TSH	TSH	.560 ZPANM
103	37	09C	09C	.560 ZPANM
107	37	TSH	TSH	.560 ZPANM
104	38	09C	09C	.560 ZPANM
106	38	07C	07C	.560 ZPANM
3	39	TSH	TSH	.560 ZPANM
105	39	09H	09H	.560 ZPANM
107	39	09C	09C	.560 ZPANM
58	40	TSH	TSH	.560 ZPANM
78	40	A10	09H	.520 ZPANM
108	40	09C	09C	.560 ZPANM
110	40	TSH	TSH	.560 ZPANM
11	41	06H	07H	.560 ZPANM
109	41	07C	07C	.560 ZPANM
111	41	09C	09C	.560 ZPANM
110	42	09C	09C	.560 ZPANM
109	43	07C	07C	.560 ZPANM
111	43	07C	07C	.560 ZPANM
113	43	09C	09C	.560 ZPANM
8	44	TSH	TSH	.560 ZPANM
65	45	TSH	TSH	.560 ZPANM
67	45	A2	09H	.520 ZPANM
81	45	TSH	TSH	.560 ZPANM
91	45	TSH	TSH	.560 ZPANM
111	45	08C	08C	.560 ZPANM
24	46	TSH	TSH	.560 ZPANM
108	46	07C	07C	.560 ZPANM
112	46	07C	07C	.560 ZPANM
116	46	09C	09C	.560 ZPANM
1	47	TSH	TSH	.560 ZPANM
15	47	04C	05C	.560 ZPANM
32	48	TSH	TSH	.560 ZPANM
66	48	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
5	49	02H	03H	.560 ZPANM
111	49	08C	08C	.560 ZPANM
115	49	08C	08C	.560 ZPANM
117	49	07C	07C	.560 ZPANM
112	50	08C	08C	.560 ZPANM
114	50	08C	08C	.560 ZPANM
116	50	09C	09C	.560 ZPANM
118	50	TSH	TSH	.560 ZPANM
113	51	08C	08C	.560 ZPANM
117	51	08C	08C	.560 ZPANM
119	51	06C	07C	.560 ZPANM
28	52	TSH	TSH	.560 ZPANM
34	52	08H	09H	.560 ZPANM
72	52	TSH	TSH	.560 ZPANM
108	52	07C	07C	.560 ZPANM
110	52	TSH	TSH	.560 ZPANM
120	52	09C	09C	.560 ZPANM
17	53	TSH	TSH	.560 ZPANM
95	53	TSH	TSH	.560 ZPANM
117	53	08C	08C	.560 ZPANM
40	54	TSH	TSH	.560 ZPANM
88	54	TSH	TSH	.560 ZPANM
114	54	08C	08C	.560 ZPANM
116	54	08C	08C	.560 ZPANM
118	54	09C	09C	.560 ZPANM
120	54	07C	07C	.560 ZPANM
1	55	TSH	TSH	.560 ZPANM
113	55	08C	08C	.560 ZPANM
115	55	08C	08C	.560 ZPANM
119	55	07C	07C	.560 ZPANM
121	55	07C	08C	.560 ZPANM
34	56	TSH	TSH	.560 ZPANM
110	56	08C	08C	.560 ZPANM
114	56	07C	07C	.560 ZPANM
116	56	07C	07C	.560 ZPANM
120	56	09C	09C	.560 ZPANM
122	56	TSH	TSH	.560 ZPANM
1	57	TSH	TSH	.560 ZPANM
115	57	08C	08C	.560 ZPANM
121	57	09C	09C	.560 ZPANM
18	58	TSH	TSH	.560 ZPANM
108	58	TSH	TSH	.560 ZPANM
116	58	TSH	TSH	.560 ZPANM
118	58	07C	07C	.560 ZPANM

Tubes Examined  
by RPC

IRSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
120	58	08H	09H	.560 ZPANM
122	58	09C	09C	.560 ZPANM
3	59	05C	06C	.560 ZPANM
51	59	TSH	TSH	.560 ZPANM
93	59	A10	09H	.520 ZPANM
121	59	08C	08C	.560 ZPANM
123	59	07C	07C	.560 ZPANM
118	60	07C	07C	.560 ZPANM
122	60	09C	09C	.560 ZPANM
115	61	08C	08C	.560 ZPANM
117	61	07C	08C	.560 ZPANM
121	61	06C	07C	.560 ZPANM
4	62	TSH	TSH	.560 ZPANM
18	62	08H	09H	.560 ZPANM
114	62	08C	08C	.560 ZPANM
118	62	08C	08C	.560 ZPANM
122	62	08C	08C	.560 ZPANM
124	62	07C	07C	.560 ZPANM
123	63	08C	08C	.560 ZPANM
125	63	09C	09C	.560 ZPANM
20	64	TSH	TSH	.560 ZPANM
42	64	TSH	TSH	.560 ZPANM
90	64	TSH	TSH	.560 ZPANM
124	64	09C	09C	.560 ZPANM
3	65	03C	04C	.560 ZPANM
5	65	TSH	TSH	.560 ZPANM
11	65	TSH	TSH	.560 ZPANM
27	65	TSH	TSH	.560 ZPANM
37	65	TSH	TSH	.560 ZPANM
117	65	07C	07C	.560 ZPANM
121	65	07C	07C	.560 ZPANM
123	65	07C	07C	.560 ZPANM
125	65	07C	07C	.560 ZPANM
124	66	08C	08C	.560 ZPANM
126	66	08C	08C	.560 ZPANM
51	67	09H	09C	.520 ZPANM
69	67	TSH	TSH	.560 ZPANM
117	67	07C	07C	.560 ZPANM
125	67	08C	08C	.560 ZPANM
12	68	TSH	TSH	.560 ZPANM
24	68	TSH	TSH	.560 ZPANM
120	68	08C	08C	.560 ZPANM
124	68	08C	08C	.560 ZPANM
126	68	09C	09C	.560 ZPANM



Tubes Examined  
by RPC

IRSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
117	69	07C	07C	.560 ZPANM
125	69	09H	09H	.560 ZPANM
127	69	TSH	TSH	.560 ZPANM
40	70	TSH	TSH	.560 ZPANM
44	70	TSH	TSH	.560 ZPANM
76	70	08C	09C	.560 ZPANM
120	70	07C	07C	.560 ZPANM
122	70	08C	08C	.560 ZPANM
126	70	09C	09C	.560 ZPANM
17	71	TSH	TSH	.560 ZPANM
51	71	TSH	TSH	.560 ZPANM
107	71	04C	05C	.560 ZPANM
113	71	TSH	TSH	.560 ZPANM
119	71	08C	08C	.560 ZPANM
127	71	07C	07C	.560 ZPANM
24	72	TSH	TSH	.560 ZPANM
118	72	07C	07C	.560 ZPANM
120	72	07C	07C	.560 ZPANM
126	72	09C	09C	.560 ZPANM
31	73	TSH	TSH	.560 ZPANM
51	73	05C	06C	.560 ZPANM
123	73	07C	07C	.520 ZPANM
125	73	09C	09C	.520 ZPANM
127	73	TSH	TSH	.560 ZPANM
52	74	TSH	TSH	.560 ZPANM
84	74	TSH	TSH	.560 ZPANM
92	74	TSH	TSH	.560 ZPANM
124	74	08C	08C	.520 ZPANM
19	75	TSH	TSH	.560 ZPANM
53	75	05H	06H	.560 ZPANM
125	75	08C	08C	.520 ZPANM
127	75	08C	08C	.520 ZPANM
28	76	TSH	TSH	.560 ZPANM
72	76	01H	02H	.560 ZPANM
76	76	TSH	TSH	.560 ZPANM
106	76	A7	09C	.520 ZPANM
23	77	TSH	TSH	.560 ZPANM
111	77	TSH	TSH	.560 ZPANM
16	78	TSH	TSH	.560 ZPANM
26	78	TSH	TSH	.560 ZPANM
125	79	07C	07C	.520 ZPANM
50	80	01C	02C	.560 ZPANM
74	80	TSH	TSH	.560 ZPANM
80	80	04H	05H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
126	80	08C	08C	.520 ZPANM
19	81	TSH	TSH	.560 ZPANM
29	81	TSH	TSH	.560 ZPANM
47	81	TSH	TSH	.560 ZPANM
125	81	07C	07C	.520 ZPANM
127	81	07C	07C	.520 ZPANM
24	82	TSH	TSH	.560 ZPANM
34	82	TSH	TSH	.560 ZPANM
38	82	TSH	TSH	.560 ZPANM
102	82	TSH	TSH	.560 ZPANM
71	83	03H	04H	.560 ZPANM
103	83	04C	05C	.560 ZPANM
12	84	TSH	TSH	.560 ZPANM
19	85	TSH	TSH	.560 ZPANM
51	85	TEH	TSH	.560 ZPANM
105	85	07C	08C	.560 ZPANM
127	85	09C	09C	.520 ZPANM
26	86	TSH	TSH	.560 ZPANM
107	87	TSH	TSH	.560 ZPANM
20	88	TSH	TSH	.560 ZPANM
124	88	09C	09C	.520 ZPANM
1	89	TSH	TSH	.560 ZPANM
7	89	TSH	TSH	.560 ZPANM
15	89	TSH	TSH	.560 ZPANM
39	89	04H	05H	.560 ZPANM
53	89	01C	02C	.520 ZPANM
124	90	09C	09C	.520 ZPANM
3	91	TSH	TSH	.560 ZPANM
37	91	TSH	TSH	.560 ZPANM
87	91	TSH	TSH	.560 ZPANM
125	91	09C	09C	.520 ZPANM
100	92	TSH	TSH	.560 ZPANM
124	92	09C	09C	.520 ZPANM
11	93	TSH	TSH	.560 ZPANM
125	93	TSH	TSH	.560 ZPANM
124	94	09C	09C	.520 ZPANM
37	95	TSH	TSH	.560 ZPANM
63	95	04H	05H	.560 ZPANM
77	95	TSH	TSH	.560 ZPANM
85	95	06H	07H	.560 ZPANM
101	95	06C	07C	.560 ZPANM
123	95	09C	09C	.520 ZPANM
24	96	TSH	TSH	.560 ZPANM
28	96	03H	04H	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
68	96	TSH	TSH	.560 ZPANM
122	96	09C	09C	.520 ZPANM
1	97	TSH	TSH	.560 ZPANM
71	97	TSH	TSH	.560 ZPANM
99	97	TSH	TSH	.560 ZPANM
113	97	09H	09H	.560 ZPANM
62	98	TSH	TSH	.560 ZPANM
9	99	08H	09H	.560 ZPANM
14	100	04C	05C	.560 ZPANM
29	101	TSH	TSH	.560 ZPANM
47	101	TSH	TSH	.560 ZPANM
63	101	01H	02H	.560 ZPANM
117	101	06H	07H	.560 ZPANM
121	101	A9	09C	.520 ZPANM
22	102	TSH	TSH	.560 ZPANM
34	102	TSH	TSH	.560 ZPANM
104	102	08C	09C	.560 ZPANM
3	103	07C	08C	.560 ZPANM
19	103	TSH	TSH	.560 ZPANM
83	103	TSH	TSH	.560 ZPANM
89	103	02C	03C	.520 ZPANM
12	104	TSH	TSH	.560 ZPANM
20	104	07C	08C	.560 ZPANM
120	104	TSH	TSH	.560 ZPANM
77	105	06C	07C	.520 ZPANM
81	105	TSH	TSH	.560 ZPANM
24	106	TSH	TSH	.560 ZPANM
58	106	04H	05H	.560 ZPANM
64	106	07C	08C	.560 ZPANM
76	106	TSH	TSH	.560 ZPANM
116	106	TSH	TSH	.560 ZPANM
1	107	TSH	TSH	.560 ZPANM
31	107	06C	07C	.560 ZPANM
51	107	TSH	TSH	.560 ZPANM
86	108	TSH	TSH	.560 ZPANM
93	109	TSH	TSH	.560 ZPANM
26	110	TSH	TSH	.560 ZPANM
48	110	TSH	TSH	.560 ZPANM
116	110	09C	09C	.520 ZPANM
75	111	TEH	TSH	.560 ZPANM
55	113	TSH	TSH	.560 ZPANM
112	114	09C	09C	.520 ZPANM
1	115	TSH	TSH	.560 ZPANM
15	115	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
93	115	03C	04C	.520 ZPANM
111	115	TSH	TSH	.560 ZPANM
30	116	TSH	TSH	.560 ZPANM
73	117	TSH	TSH	.560 ZPANM
23	119	TSH	TSH	.560 ZPANM
18	120	TSH	TSH	.560 ZPANM
1	121	TSH	TSH	.560 ZPANM
33	121	TSH	TSH	.560 ZPANM
51	121	TSH	TSH	.560 ZPANM
61	121	TSH	TSH	.560 ZPANM
103	121	09C	09C	.520 ZPANM
15	123	06C	07C	.560 ZPANM
39	123	TSH	TSH	.560 ZPANM
53	123	TSH	TSH	.560 ZPANM
33	125	08H	09H	.560 ZPANM
69	125	TSH	TSH	.560 ZPANM
6	126	04C	05C	.520 ZPANM
82	126	TSH	TSH	.560 ZPANM
92	126	TSH	TSH	.560 ZPANM
98	126	TSH	TSH	.560 ZPANM
23	127	TSH	TSH	.560 ZPANM
45	127	TSH	TSH	.560 ZPANM
6	128	04C	05C	.560 ZPANM
12	128	TSH	TSH	.560 ZPANM
20	128	A4	09H	.520 ZPANM
28	128	07C	08C	.560 ZPANM
38	128	TSH	TSH	.560 ZPANM
64	128	TSH	TSH	.560 ZPANM
76	128	TSH	TSH	.560 ZPANM
88	128	TSH	TSH	.560 ZPANM
96	128	09C	09C	.520 ZPANM
1	129	TSH	TSH	.560 ZPANM
28	130	07C	08C	.520 ZPANM
92	130	A5	09C	.520 ZPANM
35	131	TSH	TSH	.560 ZPANM
62	132	TSH	TSH	.560 ZPANM
86	134	TSH	TSH	.560 ZPANM
34	136	TSH	TSH	.560 ZPANM
11	137	09C	A1	.520 ZPANM
41	137	TSH	TSH	.560 ZPANM
77	137	TSH	TSH	.560 ZPANM
74	138	TSH	TSH	.560 ZPANM
29	139	05H	06H	.560 ZPANM
41	139	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12271

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
10	140	TSH	TSH	.560 ZPANM
18	140	TSH	TSH	.560 ZPANM
1	141	TSH	TSH	.560 ZPANM
26	142	TSH	TSH	.560 ZPANM
62	144	TSH	TSH	.560 ZPANM
35	145	09H	08C	.520 ZPANM
4	146	TSH	TSH	.560 ZPANM
26	146	TSH	TSH	.560 ZPANM
33	147	TSH	TSH	.560 ZPANM
51	147	TSH	TSH	.560 ZPANM
42	150	TSH	TSH	.560 ZPANM
25	153	TSH	TSH	.560 ZPANM
12	154	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
3	1	TSH	TSH	.560 ZPANM
4	2	TSH	TSH	.560 ZPANM
12	2	TSH	TSH	.560 ZPANM
1	3	TSH	TSH	.560 ZPANM
19	3	TSH	TSH	.560 ZPANM
30	4	TSH	TSH	.560 ZPANM
36	6	TSH	TSH	.560 ZPANM
7	7	07C	07C	.560 ZPANM
21	7	TSH	TSH	.560 ZPANM
29	7	09C	09H	.520 ZPAMB
45	7	TSH	TSH	.560 ZPANM
50	8	TSH	TSH	.560 ZPANM
35	9	TSH	TSH	.560 ZPANM
43	11	TSH	TSH	.560 ZPANM
59	11	TSH	TSH	.560 ZPANM
40	12	TSH	TSH	.560 ZPANM
1	13	TSH	TSH	.560 ZPANM
66	14	09C	09H	.520 ZPAMB
19	15	TSH	TSH	.560 ZPANM
6	16	07H	08H	.560 ZPANM
14	16	08H	09H	.560 ZPANM
72	16	TSH	TSH	.560 ZPANM
1	17	09H	09C	.520 ZPANM
75	17	TSH	TSH	.560 ZPANM
3	19	TSH	TSH	.560 ZPANM
39	19	TSH	TSH	.560 ZPANM
70	20	TSH	TSH	.560 ZPANM
27	21	TSH	TSH	.560 ZPANM
71	21	TSH	TSH	.560 ZPANM
70	22	TSH	TSH	.560 ZPANM
84	22	TSH	TSH	.560 ZPANM
1	23	09H	09C	.520 ZPANM
31	23	TSH	TSH	.560 ZPANM
3	25	07C	08C	.560 ZPANM
2	26	TSH	TSH	.560 ZPANM
20	26	TSH	TSH	.560 ZPANM
1	27	09H	09C	.520 ZPANM
65	27	TSH	TSH	.560 ZPANM
71	27	TSH	TSH	.560 ZPANM
96	28	09C	09C	.520 ZPANM
1	29	TSH	TSH	.560 ZPANM
33	29	TSH	TSH	.560 ZPANM
36	30	08C	09C	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
96	30	07C	07C	.560 ZPANM
77	31	TSH	TSH	.560 ZPANM
82	32	03H	04H	.560 ZPANM
5	33	TSH	TSH	.560 ZPANM
102	34	08C	08C	.560 ZPANM
55	35	04H	05H	.560 ZPANM
105	35	08C	08C	.560 ZPANM
52	36	TSH	TSH	.560 ZPANM
84	36	TSH	TSH	.560 ZPANM
1	37	TSH	TSH	.560 ZPANM
15	37	TSC	FBC	.560 ZPANM
65	37	TSH	TSH	.560 ZPANM
95	37	TSH	TSH	.560 ZPANM
103	37	08C	08C	.560 ZPANM
8	38	TSH	TSH	.560 ZPANM
54	38	03C	04C	.560 ZPANM
109	39	06C	06C	.560 ZPANM
68	40	TSH	TSH	.560 ZPANM
84	40	TSH	TSH	.560 ZPANM
108	40	07C	07C	.560 ZPANM
23	41	TSH	TSH	.560 ZPANM
31	41	TSH	TSH	.560 ZPANM
95	41	07H	08H	.560 ZPANM
107	41	08C	08C	.560 ZPANM
111	41	TSH	TSH	.560 ZPANM
2	42	TSH	TSH	.560 ZPANM
54	42	TSH	TSH	.560 ZPANM
102	42	03H	04H	.560 ZPANM
106	42	08C	08C	.560 ZPANM
112	42	08C	08C	.560 ZPANM
15	43	08C	09C	.560 ZPANM
109	43	08C	08C	.560 ZPANM
60	44	TSH	TSH	.560 ZPANM
94	44	TSH	TSH	.560 ZPANM
110	44	08C	08C	.560 ZPANM
1	45	TSH	TSH	.560 ZPANM
19	45	TSH	TSH	.560 ZPANM
43	45	01H	02H	.560 ZPANM
115	45	02H	03H	.560 ZPANM
22	46	TSH	TSH	.560 ZPANM
40	46	TSH	TSH	.560 ZPANM
116	46	08C	08C	.560 ZPANM
77	47	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
93	47	TSH	TSH	.560 ZPANM
113	47	08C	08C	.560 ZPANM
81	49	05C	06C	.560 ZPANM
117	49	07C	07C	.560 ZPANM
104	50	08C	09C	.560 ZPANM
118	50	TSH	TSH	.560 ZPANM
117	51	07C	07C	.560 ZPANM
114	52	08C	08C	.560 ZPANM
118	52	08C	08C	.560 ZPANM
120	52	07C	07C	.560 ZPANM
1	53	TSH	TSH	.560 ZPANM
29	53	TSH	TSH	.560 ZPANM
79	53	TSH	TSH	.560 ZPANM
109	53	TSH	TSH	.560 ZPANM
12	54	TSH	TSH	.560 ZPANM
114	54	07C	07C	.560 ZPANM
120	54	07C	07C	.560 ZPANM
111	55	08H	08H	.560 ZPANM
119	55	07H	08H	.560 ZPANM
1	57	TSH	TSH	.560 ZPANM
7	57	TSH	TSH	.560 ZPANM
67	57	TSH	TSH	.560 ZPANM
87	57	TSH	TSH	.560 ZPANM
121	57	08C	08C	.560 ZPANM
110	58	08H	08H	.560 ZPANM
11	59	TSH	TSH	.560 ZPANM
21	59	TSH	TSH	.560 ZPANM
43	59	TSH	TSH	.560 ZPANM
113	59	04H	05H	.560 ZPANM
119	59	07H	08H	.560 ZPANM
123	59	07C	07C	.560 ZPANM
4	60	07H	08H	.560 ZPANM
22	60	08H	09H	.560 ZPANM
110	60	08H	08H	.560 ZPANM
120	60	08H	08H	.560 ZPANM
15	61	TSH	TSH	.560 ZPANM
27	61	TSH	TSH	.560 ZPANM
57	61	TSH	TSH	.560 ZPANM
117	61	08H	08H	.560 ZPANM
123	61	07C	07C	.560 ZPANM
6	62	TSH	TSH	.560 ZPANM
32	62	TSH	TSH	.560 ZPANM
42	62	TSH	TSH	.560 ZPANM



Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
54	62	TSH	TSH	.560 ZPANM
102	62	04C	05C	.560 ZPANM
122	62	07C	07C	.560 ZPANM
1	63	TSH	TSH	.560 ZPANM
71	63	TSH	TSH	.560 ZPANM
83	63	TSC	FBC	.560 ZPANM
109	63	03H	04H	.560 ZPANM
117	63	08H	08H	.560 ZPANM
119	63	07C	07C	.560 ZPANM
125	63	TSH	TSH	.560 ZPANM
18	64	TSH	TSH	.560 ZPANM
108	64	08H	08H	.560 ZPANM
116	64	08H	08H	.560 ZPANM
124	64	07C	07C	.560 ZPANM
1	65	TSH	TSH	.560 ZPANM
55	65	TSC	FBC	.560 ZPANM
83	65	TSH	TSH	.560 ZPANM
107	65	07H	08H	.560 ZPANM
119	65	08C	08C	.560 ZPANM
121	65	08C	08C	.560 ZPANM
123	65	07C	07C	.560 ZPANM
60	66	TSH	TSH	.560 ZPANM
88	66	TSH	TSH	.560 ZPANM
96	66	TSH	TSH	.560 ZPANM
126	66	08C	08C	.560 ZPANM
23	67	TSH	TSH	.560 ZPANM
27	67	04H	05H	.560 ZPANM
35	67	07H	08H	.560 ZPANM
77	67	TSH	TSH	.560 ZPANM
105	67	07H	08H	.560 ZPANM
121	67	07C	07C	.560 ZPANM
46	68	TSH	TSH	.560 ZPANM
118	68	07C	07C	.560 ZPANM
35	69	TSH	TSH	.560 ZPANM
32	70	TSH	TSH	.560 ZPANM
34	70	TSH	TSH	.560 ZPANM
120	70	08C	08C	.560 ZPANM
33	71	04C	04C	.560 ZPANM
35	71	TSH	TSH	.560 ZPANM
43	71	TSH	TSH	.560 ZPANM
107	71	08H	08H	.560 ZPANM
111	71	TSH	TSH	.560 ZPANM
125	71	07C	07C	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
127	71	07C	07C	.560 ZPANM
22	72	TSH	TSH	.560 ZPANM
74	72	TSH	TSH	.560 ZPANM
82	72	TSH	TSH	.560 ZPANM
124	72	08C	09C	.560 ZPANM
61	73	TSH	TSH	.560 ZPANM
123	73	07C	07C	.560 ZPANM
125	73	08C	08C	.560 ZPANM
127	73	TSH	TSH	.560 ZPANM
28	74	TSH	TSH	.560 ZPANM
120	74	08C	08C	.560 ZPANM
122	74	07C	07C	.560 ZPANM
33	75	TSH	TSH	.560 ZPANM
127	75	07C	07C	.560 ZPANM
24	76	TSH	TSH	.560 ZPANM
48	76	03H	04H	.560 ZPANM
122	76	08C	08C	.560 ZPANM
69	77	TSH	TSH	.560 ZPANM
109	77	A16	09H	.520 ZPAMB
127	77	08C	08C	.560 ZPANM
12	78	TEH	TSH	.560 ZPANM
96	78	TSH	TSH	.560 ZPANM
126	78	08C	08C	.560 ZPANM
27	79	TSH	TSH	.560 ZPANM
85	79	TSH	TSH	.560 ZPANM
123	79	07C	07C	.560 ZPANM
127	79	07C	07C	.560 ZPANM
116	80	TSH	TSH	.560 ZPANM
126	80	07C	07C	.560 ZPANM
31	81	TSH	TSH	.560 ZPANM
37	81	TSH	TSH	.560 ZPANM
59	81	TSH	TSH	.560 ZPANM
77	81	TSH	TSH	.560 ZPANM
119	81	08C	08C	.560 ZPANM
121	81	08C	08C	.560 ZPANM
127	81	08C	08C	.560 ZPANM
28	82	TSH	TSH	.560 ZPANM
50	82	04H	05H	.560 ZPANM
76	82	TEH	TSH	.560 ZPANM
69	83	TSH	TSH	.560 ZPANM
123	83	07C	07C	.560 ZPANM
125	83	04C	04C	.560 ZPANM
127	83	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
122	84	07C	07C	.560 ZPANM
126	84	07C	07C	.560 ZPANM
45	85	06C	07C	.560 ZPANM
65	85	TSH	TSH	.560 ZPANM
121	85	07C	07C	.560 ZPANM
125	85	08C	08C	.560 ZPANM
127	85	07C	07C	.560 ZPANM
12	86	TEH	TSH	.560 ZPANM
26	86	TSH	TSH	.560 ZPANM
98	86	TSH	TSH	.560 ZPANM
112	86	TSH	TSH	.560 ZPANM
122	86	07C	07C	.560 ZPANM
126	86	07C	07C	.560 ZPANM
123	87	04C	04C	.560 ZPANM
127	87	04C	04C	.560 ZPANM
114	88	08C	08C	.560 ZPANM
41	89	TSH	TSH	.560 ZPANM
51	89	TSH	TSH	.560 ZPANM
113	89	07C	07C	.560 ZPANM
18	90	TSH	TSH	.560 ZPANM
22	90	TSH	TSH	.560 ZPANM
42	90	04H	05H	.560 ZPANM
126	90	04C	04C	.560 ZPANM
13	91	04H	05H	.560 ZPANM
21	91	03C	04C	.560 ZPANM
77	91	TEH	TSH	.560 ZPANM
121	91	04C	04C	.560 ZPANM
123	91	08C	08C	.560 ZPANM
125	91	08C	08C	.560 ZPANM
28	92	TSH	TSH	.560 ZPANM
86	92	TSH	TSH	.560 ZPANM
124	92	07C	07C	.560 ZPANM
1	93	TEH	TSH	.560 ZPANM
15	93	TSH	TSH	.560 ZPANM
25	93	TSH	TSH	.560 ZPANM
75	93	TSH	TSH	.560 ZPANM
123	93	06C	06C	.560 ZPANM
125	93	04C	04C	.560 ZPANM
52	94	TSH	TSH	.560 ZPANM
114	94	06C	06C	.560 ZPANM
118	94	02H	03H	.560 ZPANM
124	94	04C	04C	.560 ZPANM
1	95	TEH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
7	95	TSH	TSH	.560 ZPANM
113	95	04C	04C	.560 ZPANM
117	95	06C	06C	.560 ZPANM
121	95	06C	06C	.560 ZPANM
18	96	TSH	TSH	.560 ZPANM
48	96	TSH	TSH	.560 ZPANM
68	96	TSH	TSH	.560 ZPANM
106	96	TSH	TSH	.560 ZPANM
120	96	07C	07C	.560 ZPANM
122	96	04C	04C	.560 ZPANM
124	96	TSH	TSH	.560 ZPANM
93	97	TSH	TSH	.560 ZPANM
117	97	07C	07C	.560 ZPANM
121	97	04C	04C	.560 ZPANM
10	98	TSH	TSH	.560 ZPANM
38	98	TEC	02C	.560 ZPANM
116	98	06C	06C	.560 ZPANM
118	98	07C	07C	.560 ZPANM
122	98	04C	04C	.560 ZPANM
61	99	TSH	TSH	.560 ZPANM
117	99	08C	08C	.560 ZPANM
121	99	06C	06C	.560 ZPANM
40	100	FBC	01C	.560 ZPANM
114	100	06C	06C	.560 ZPANM
116	100	06C	06C	.560 ZPANM
118	100	08C	08C	.560 ZPANM
122	100	08C	08C	.560 ZPANM
7	101	TSH	TSH	.560 ZPANM
115	101	08C	08C	.560 ZPANM
119	101	07C	07C	.560 ZPANM
121	101	08C	08C	.560 ZPANM
2	102	TSH	TSH	.560 ZPANM
110	102	08C	08C	.560 ZPANM
114	102	08C	08C	.560 ZPANM
118	102	07C	07C	.560 ZPANM
120	102	TSH	TSH	.560 ZPANM
19	103	TSH	TSH	.560 ZPANM
39	103	TSH	TSH	.560 ZPANM
113	103	06C	06C	.560 ZPANM
117	103	07C	07C	.560 ZPANM
119	103	04C	04C	.560 ZPANM
16	104	09C	09H	.520 ZPAMB
76	104	TSH	TSH	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
98	104	TSH	TSH	.560 ZPANM
89	105	TSH	TSH	.560 ZPANM
117	105	08C	08C	.560 ZPANM
119	105	04C	04C	.560 ZPANM
118	106	04C	04C	.560 ZPANM
37	107	TSH	TSH	.560 ZPANM
111	107	07C	07C	.560 ZPANM
113	107	07C	07C	.560 ZPANM
1	109	TSH	TSH	.560 ZPANM
7	109	TSH	TSH	.560 ZPANM
111	109	08C	08C	.560 ZPANM
115	109	08C	08C	.560 ZPANM
24	110	TSH	TSH	.560 ZPANM
106	110	03H	04H	.560 ZPANM
114	110	08C	08C	.560 ZPANM
116	110	07C	07C	.560 ZPANM
113	111	TSH	TSH	.560 ZPANM
114	112	07C	07C	.560 ZPANM
1	113	TSH	TSH	.560 ZPANM
33	113	TSH	TSH	.560 ZPANM
51	113	TSH	TSH	.560 ZPANM
103	113	07C	07C	.560 ZPANM
105	113	TSH	TSH	.560 ZPANM
111	113	08C	08C	.560 ZPANM
12	114	TSH	TSH	.560 ZPANM
104	114	TSH	TSH	.560 ZPANM
112	114	07C	07C	.560 ZPANM
103	115	TSH	TSH	.560 ZPANM
105	115	TSH	TSH	.560 ZPANM
108	116	07C	07C	.560 ZPANM
90	118	TSH	TSH	.560 ZPANM
108	118	07C	07C	.560 ZPANM
39	119	TSH	TSH	.560 ZPANM
95	119	07C	07C	.560 ZPANM
97	119	07C	07C	.560 ZPANM
103	119	07C	07C	.560 ZPANM
105	119	07C	08C	.560 ZPANM
107	119	07C	07C	.560 ZPANM
76	120	TSH	TSH	.560 ZPANM
106	120	07C	07C	.560 ZPANM
99	121	07C	07C	.560 ZPANM
103	121	08C	08C	.560 ZPANM
105	121	08C	08C	.560 ZPANM

Tubes Examined  
by RPC

1RSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
100	122	07C	08C	.560 ZPANM
102	122	07C	07C	.560 ZPANM
1	123	TSH	TSH	.560 ZPANM
75	123	04C	05C	.560 ZPANM
101	123	TSH	TSH	.560 ZPANM
66	124	05C	06C	.560 ZPANM
95	125	TSH	TSH	.560 ZPANM
99	125	08C	08C	.560 ZPANM
44	126	TEH	TSH	.560 ZPANM
98	126	07C	07C	.560 ZPANM
39	127	TSH	TSH	.560 ZPANM
51	127	08C	09C	.560 ZPANM
83	127	TSH	TSH	.560 ZPANM
89	127	07C	07C	.560 ZPANM
95	127	07C	07C	.560 ZPANM
20	128	TSH	TSH	.560 ZPANM
64	128	07H	08H	.560 ZPANM
74	128	TSH	TSH	.560 ZPANM
88	128	07C	07C	.560 ZPANM
81	129	07C	08C	.560 ZPANM
89	129	07C	07C	.560 ZPANM
70	130	TSH	TSH	.560 ZPANM
78	130	08C	09C	.560 ZPANM
92	130	06C	07C	.560 ZPANM
1	131	TSH	TSH	.560 ZPANM
49	131	02C	03C	.560 ZPANM
89	131	08C	08C	.560 ZPANM
84	132	07C	07C	.560 ZPANM
59	133	08C	08C	.560 ZPANM
71	133	08C	08C	.560 ZPANM
79	133	08C	08C	.560 ZPANM
85	133	07C	07C	.560 ZPANM
72	134	08C	08C	.560 ZPANM
78	134	TSH	TSH	.560 ZPANM
1	135	TSH	TSH	.560 ZPANM
53	135	07C	07C	.560 ZPANM
59	135	TSH	TSH	.560 ZPANM
83	135	07C	07C	.560 ZPANM
48	136	07C	07C	.560 ZPANM
69	137	07C	07C	.560 ZPANM
73	137	07C	07C	.560 ZPANM
75	137	08C	08C	.560 ZPANM
79	137	07C	07C	.560 ZPANM

Tubes Examined  
by RPC

IRSG 12272

ROW	COLUMN	BEGIN TEST	END TEST	PROBE
26	138	TSH	TSH	.560 ZPANM
70	138	07C	07C	.560 ZPANM
78	138	TSH	TSH	.560 ZPANM
59	139	07C	07C	.560 ZPANM
69	139	08C	08C	.560 ZPANM
65	141	08C	08C	.560 ZPANM
46	142	TSH	TSH	.560 ZPANM
56	142	08C	08C	.560 ZPANM
60	142	07C	07C	.560 ZPANM
64	142	07C	07C	.560 ZPANM
66	142	07C	07C	.560 ZPANM
63	143	07C	08C	.560 ZPANM
12	144	04C	05C	.560 ZPANM
62	144	TSH	TSH	.560 ZPANM
1	145	TSH	TSH	.560 ZPANM
55	145	08C	08C	.560 ZPANM
30	146	TSH	TSH	.560 ZPANM
53	147	TSH	TSH	.560 ZPANM
12	148	TSH	TSH	.560 ZPANM
43	149	TSH	TSH	.560 ZPANM
40	150	03C	04C	.560 ZPANM
1	151	TSH	TSH	.560 ZPANM
32	152	TSH	TSH	.560 ZPANM
23	153	TSH	TSH	.560 ZPANM
4	154	TSH	TSH	.560 ZPANM
12	154	TSH	TSH	.560 ZPANM
14	154	TSH	TSH	.560 ZPANM

## **APPENDIX C**

**DENTS**

**AND**

**DINGS**



## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
3	1	DNG	A16 -1.34	73
6	6	DNG	03C 32.74	71
6	6	DNG	03C 32.83	71
26	6	DNG	A16 2.62	23
1	7	DNG	09H 7.86	73
3	7	DNG	09H 8.38	71
5	7	DNG	02C 24.75	73
15	9	DNG	09H 7.05	23
45	9	DNT	A5 .28	23
20	10	DNG	02C 9.70	23
30	10	DNG	03C 1.00	23
46	10	DNT	A12 -.51	23
21	11	DNG	04H 26.78	19
45	11	DNG	08C 37.93	19
8	12	DNT	A16 .41	19
20	12	DNT	A16 3.27	19
26	12	DNG	05C 28.43	19
46	12	DNT	A12 -.70	19
37	13	DNG	A16 6.67	17
43	13	DNG	03H 17.32	17
45	13	DNG	A5 9.22	17
34	14	DNG	01C 36.72	17
34	14	DNG	01C 35.80	17
34	14	DNG	01C 33.51	17
34	14	DNG	01C 32.69	17
1	15	DNG	09H 8.77	73
3	15	DNG	01C 30.32	112
45	15	DNG	A5 2.59	19
71	15	DNT	A5 -.49	19
48	16	DNG	05H 26.32	15
3	17	DNG	03H 7.46	71
3	17	DNG	02H 14.36	71
11	17	DNG	08H 34.51	17
39	17	DNG	05H 35.44	17
45	17	DNG	A5 2.12	17
53	17	DNG	06C 4.27	17
73	17	DNG	04C 17.29	17
16	18	DNG	03H 35.92	17
52	18	DNG	05H -1.41	13
1	19	DNG	09H 8.81	73
59	19	DNG	05H 35.79	15
46	20	DNT	A12 1.11	15
52	20	DNT	A13 .44	15
13	21	DNT	A1 .17	13

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
33	21	DNG	02C -1.22	13
39	21	DNG	05H 38.01	13
53	21	DNG	A14 4.28	13
52	22	DNG	A12 31.22	13
68	22	DNG	01H 16.53	13
86	22	DNG	A12 18.45	9
86	22	DNT	A11 .14	9
1	23	DNG	09H 8.33	73
15	23	DNG	09H 6.70	5
31	23	DNT	A13 1.21	5
37	23	DNG	A16 9.49	5
51	23	DNG	07C 29.80	11
46	24	DNG	A12 1.90	5
1	25	DNG	09H 9.00	73
37	25	DNG	A14 17.51	7
45	25	DNT	A5 3.95	7
59	25	DNG	06H 1.70	9
87	25	DNG	01H 12.09	9
40	26	DNG	TSH 2.91	7
15	27	DNG	09H 6.72	3
45	27	DNG	A5 10.99	5
44	28	DNG	01H 17.44	3
45	29	DNG	A5 4.89	7
57	29	DNG	02C 12.72	7
89	29	DNG	06C 24.45	7
20	30	DNG	04C 5.34	1
40	30	DNG	01H 14.80	1
58	30	DNG	01C 30.32	1
70	30	DNG	03C 16.71	1
37	31	DNG	A16 3.88	21
45	31	DNG	A5 11.40	21
55	31	DNG	03C 26.96	21
75	31	DNT	05H -.36	21
77	31	DNG	A2 11.64	21
10	32	DNT	A16 -.05	25
50	32	DNG	01H 38.31	25
15	33	DNG	09H 7.01	23
19	33	DNG	A16 2.47	23
43	33	DNG	04C 27.59	23
55	33	DNG	07C 15.66	23
75	33	DNG	01H 22.22	23
87	33	DNG	03C 13.37	23
97	33	DNG	03C 7.03	23
46	34	DNG	A12 3.10	27

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
50	34	DNG	05H 6.75	27
72	34	DNT	07C -.85	27
88	34	DNT	06H -.19	23
94	34	DNG	A12 9.46	23
98	34	DNG	TSC 8.70	23
91	35	DNG	01H 13.17	25
30	36	DNG	05C 8.11	25
52	36	DNG	05C 11.33	25
82	36	DNG	08C 19.81	25
46	38	DNG	A5 7.27	27
54	38	DNG	02H 5.62	27
108	38	DNG	A12 6.17	27
25	39	DNG	05H 20.61	25
45	39	DNG	A5 8.05	25
75	39	DNG	A2 17.59	31
87	39	DNG	08C 25.69	31
87	39	DNG	08C 25.50	35
91	39	DNG	08H 39.05	35
105	39	DNG	TSC 4.92	35
46	40	DNG	A5 7.43	35
3	41	DNG	03C 13.10	112
45	41	DNG	A5 1.57	27
71	41	DNG	A12 4.47	29
10	42	DNG	02H 13.78	33
12	42	DNG	04H 27.72	33
41	43	DNG	08C 31.86	35
45	43	DNG	08H 30.44	35
89	43	DNG	06C 38.92	35
95	43	DNG	04C 21.57	35
113	43	DNG	08C 16.07	35
6	44	DNT	A16 .00	79
38	44	DNG	A16 3.64	41
46	44	DNG	A5 8.08	41
114	44	DNG	09H 33.53	35
77	45	DNG	05C 6.19	33
85	45	DNG	06H 10.17	33
6	46	DNT	A1 .00	79
8	46	DNT	A16 .19	79
26	46	DNG	07C 22.44	39
42	46	DNG	05C 28.92	39
46	46	DNG	05H 19.30	39
114	46	DNG	A2 17.64	77
114	46	DNG	TSC 8.02	77
13	47	DNG	05C 13.20	41

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
45	47	DNG	A5 2.03	41
73	47	DNG	A12 18.56	41
2	48	DNG	01C 33.78	128
6	48	DNT	A1 .00	79
110	48	DNG	FBH 18.76	41
116	48	DNT	A1 21.61	41
53	49	DNT	A2 .95	39
53	49	DNG	09H 18.78	39
53	49	DNT	A15 -.45	39
85	49	DNG	03H 6.79	39
111	49	DNG	TSC 10.36	39
6	50	DNG	A1 2.30	79
18	50	DNG	TSC 1.40	39
38	50	DNG	08H 27.21	39
64	50	DNG	08H 7.71	39
96	50	DNG	05C 30.60	39
110	50	DNG	A2 16.54	39
20	52	DNG	01C 16.78	45
24	52	DNT	A2 6.68	45
118	52	DNT	09C -.49	45
120	52	DNT	A3 -.33	43
3	53	DNG	09C -.99	112
21	53	DNG	04H 10.05	43
67	53	DNG	03C 23.88	43
79	53	DNG	02H 11.48	43
99	53	DNG	TSC 7.97	43
103	53	DNG	08C 16.34	43
103	53	DNG	08C 30.57	43
119	53	DNT	09C -.48	43
8	54	DNG	02H 7.61	79
42	54	DNT	A12 .86	43
70	54	DNT	06H .97	43
118	54	DNG	05C 38.02	43
53	55	DNG	02C 6.38	53
121	55	DNT	09C -.47	55
44	56	DNG	04H 32.39	57
72	56	DNG	03H 21.17	57
108	56	DNG	TSC 16.86	57
118	56	DNG	A2 23.36	57
122	56	DNT	09C -.48	55
122	56	DNT	09C .62	55
75	57	DNG	A2 10.52	55
107	57	DNG	A6 8.99	55
107	57	DNG	07H 11.81	55

## Dents and Dings

IRSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
109	57	DNG	06C 16.48	55
121	57	DNT	09C -.45	55
121	57	DNT	09C .61	55
6	58	DNT	A1 -.57	79
48	58	DNG	02C 12.11	55
102	58	DNG	09H 4.12	55
112	58	DNG	05H 37.82	55
116	58	DNG	02C 32.88	55
120	58	DNT	09C -.47	55
122	58	DNT	09C -.48	55
122	58	DNT	09C .62	55
67	59	DNG	07C 23.43	57
99	59	DNG	FBC 7.10	57
119	59	DNT	09C -.38	57
121	59	DNT	09C -.32	57
123	59	DNT	09C -.34	55
123	59	DNT	09H -.39	55
123	59	DNT	09H .69	55
22	60	DNG	01C 7.14	57
62	60	DNG	03H 28.25	57
118	60	DNG	A2 27.58	57
122	60	DNT	09C -.22	57
124	60	DNT	09C .59	55
124	60	DNT	09C -.37	55
5	61	DNG	09H 16.68	71
75	61	DNG	A2 11.45	55
75	61	DNG	A2 12.69	55
109	61	DNG	03C 31.36	55
111	61	DNG	08H 37.09	55
121	61	DNT	09C -.45	55
123	61	DNT	09C -.37	55
123	61	DNT	09C .60	55
123	61	DNT	09H -.39	55
123	61	DNT	09H .69	55
122	62	DNT	09H -.42	55
122	62	DNG	09H 53.64	55
122	62	DNT	09H .64	55
124	62	DNT	09C -.39	55
124	62	DNT	09C .62	55
51	63	DNG	FBH 13.74	61
89	63	DNG	05H 25.73	61
121	63	DNT	09C -.46	61
123	63	DNT	09H .57	61
123	63	DNT	09H -.68	61

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
123	63	DNT	09H -.41	61
123	63	DNT	09C -.46	61
123	63	DNT	09C .90	61
123	63	DNT	09C -.24	61
125	63	DNT	09H -.49	61
125	63	DNT	09H .59	61
125	63	DNT	09C .70	61
125	63	DNT	09C -.46	61
125	63	DNT	09C -.38	61
34	64	DNG	A15 -1.46	61
76	64	DNT	A3 -.05	61
86	64	DNG	01C 26.24	61
118	64	DNG	A2 21.51	61
122	64	DNT	09C -.43	61
122	64	DNT	09C .76	61
124	64	DNT	09C -.27	61
124	64	DNT	09H .51	61
124	64	DNT	09C .76	61
55	65	DNG	05H 20.69	59
75	65	DNG	TSC 14.28	59
107	65	DNG	FBH 10.33	59
111	65	DNG	04C 27.47	59
123	65	DNT	09C .62	59
123	65	DNT	09C -.48	59
2	66	DNG	04H 3.30	77
2	66	DNG	06H 5.88	77
46	66	DNG	08C 3.30	59
80	66	DNG	05H 11.89	59
86	66	DNT	04H .64	59
124	66	DNT	09C .62	77
124	66	DNT	09H .58	77
124	66	DNT	09C -.43	77
126	66	DNT	09C .64	59
126	66	DNT	09H -.39	59
126	66	DNT	09H .69	59
126	66	DNT	09C -.48	59
5	67	DNG	03C 17.91	79
23	67	DNG	A3 .88	61
39	67	DNG	08C 2.61	61
47	67	DNG	05H 8.38	61
61	67	DNG	03H 5.56	61
89	67	DNG	05C 20.61	61
107	67	DNG	08C 33.80	61
111	67	DNG	04C 22.35	61

## Dents and Dings

IRSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
123	67	DNT	09C -.35	61
125	67	DNT	09H .46	61
125	67	DNT	09C .63	61
125	67	DNT	09C -.33	61
34	68	DNG	01C -1.43	65
72	68	DNG	07H 22.85	65
108	68	DNT	08C .11	61
112	68	DNT	FBH -.57	61
124	68	DNG	05H 33.89	61
126	68	DNT	09C .65	59
126	68	DNT	09C -.48	59
126	68	DNG	A2 22.15	59
51	69	DNG	02C 9.99	59
59	69	DNG	05H 34.03	59
79	69	DNG	TSC 9.52	59
99	69	DNG	TSH 1.01	59
123	69	DNG	02H 17.02	59
125	69	DNT	09C -.48	59
26	70	DNG	A2 6.19	63
114	70	DNG	TSH 5.34	59
124	70	DNG	A2 21.01	59
121	71	DNG	03C 29.26	65
127	71	DNT	09C -.48	63
127	71	DNT	09C .56	63
80	72	DNG	03C 9.67	65
120	72	DNG	A2 23.30	65
35	73	DNG	04H 36.98	63
12	74	DNG	06H 18.16	79
86	74	DNG	01H 20.29	63
92	74	DNG	08C 19.64	63
120	74	DNG	A2 20.51	63
3	75	DNG	TSC 8.69	114
75	75	DNG	A2 8.60	69
84	76	DNG	A8 1.19	71
100	76	DNG	06H 2.92	73
120	76	DNG	A2 22.90	71
45	77	DNG	A5 7.08	67
53	77	DNG	TSH 6.01	67
111	77	DNG	07C 2.67	67
127	77	DNG	05H 35.72	67
2	78	DNG	03C 15.68	118
8	78	DNG	09H 13.99	121
46	78	DNG	A4 4.58	67
74	78	DNG	03H 21.44	6

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
116	78	DNG	04C 10.53	96
116	78	DNG	04C 10.53	2
1	79	DNG	09H -1.36	79
17	79	DNG	A2 5.62	6
17	79	DNG	A2 6.38	6
127	79	DNT	09C .66	6
16	80	DNG	A3 3.45	8
16	80	DNG	09H 6.78	8
68	80	DNG	08H 18.27	8
68	80	DNG	08H 19.30	8
68	80	DNG	08H 19.65	8
92	80	DNG	03C 33.14	8
110	80	DNT	08H .73	8
101	81	DNG	08H 9.98	8
113	81	DNG	04C 19.22	8
127	81	DNT	A10 .00	6
24	82	DNG	06C -1.36	10
114	82	DNG	06C 3.37	10
114	82	DNG	06C 3.13	10
21	83	DNG	02C 24.08	10
127	83	DNT	09C -.44	10
127	83	DNT	09C .63	10
44	84	DNT	A14 2.20	12
54	84	DNG	08C 28.91	12
92	84	DNG	01C 24.01	12
126	84	DNT	09H .58	10
1	85	DNG	09H -1.37	81
87	85	DNG	05H 7.59	12
127	85	DNT	09C .74	10
127	85	DNT	09C -.41	10
127	85	DNT	09H -.44	10
127	85	DNT	09H .58	10
44	86	DNT	A14 2.43	20
68	86	DNG	08H 37.48	20
68	86	DNG	08H 36.40	20
98	86	DNG	06H 10.74	14
122	86	DNT	09H .64	14
122	86	DNT	09H -.42	14
126	86	DNT	09H .58	14
126	86	DNT	09H -.47	14
126	86	DNT	09C .72	14
126	86	DNT	09C -.47	14
19	87	DNG	08C 20.03	88
69	87	DNG	A16 15.62	20



## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
99	87	DNG	02C 3.03	20
107	87	DNG	04H 21.02	20
123	87	DNT	09H .58	20
123	87	DNT	09H -.45	20
125	87	DNT	09H .64	20
125	87	DNT	09H -.42	20
127	87	DNT	09H -.36	20
127	87	DNT	09H .64	20
127	87	DNT	09C .63	20
127	87	DNT	09C -.47	20
14	88	DNG	TSH 35.98	88
40	88	DNG	07C 29.29	22
124	88	DNT	09C -.44	16
124	88	DNT	09H -.47	16
126	88	DNT	09C .75	10
126	88	DNT	09H .52	10
126	88	DNG	09H 10.87	10
126	88	DNT	09C -.39	10
126	88	DNT	09H -.47	10
105	89	DNG	01C 3.29	22
113	89	DNG	04H 14.54	22
121	89	DNT	09H -.42	22
121	89	DNT	09H .56	22
123	89	DNT	09H .58	22
123	89	DNT	09H -.50	22
125	89	DNT	09C -.36	22
125	89	DNT	09C .67	22
44	90	DNG	A14 1.06	24
120	90	DNG	A2 23.20	20
124	90	DNT	09C -.47	20
124	90	DNT	09H -.42	20
124	90	DNT	09H .64	20
126	90	DNT	09C .61	20
126	90	DNT	09C -.44	20
126	90	DNT	09H -.45	20
126	90	DNT	09H .70	20
126	90	DNG	09H 25.31	20
121	91	DNT	09H .64	24
121	91	DNT	09H -.39	24
123	91	DNT	09C -.42	24
123	91	DNT	09H -.39	24
123	91	DNT	09H .64	24
125	91	DNT	09H .67	24
125	91	DNT	09C .67	24

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
125	91	DNT	09C -.47	24
125	91	DNT	09H -.36	24
24	92	DNG	01C 11.51	26
108	92	DNG	A6 17.64	22
108	92	DNG	A8 2.72	22
120	92	DNT	09H .58	22
120	92	DNT	09C -.33	22
120	92	DNG	A16 17.86	22
120	92	DNT	09H -.50	22
120	92	DNT	09C .75	22
122	92	DNT	09C -.42	22
122	92	DNT	09C .64	22
122	92	DNT	09H .56	22
122	92	DNT	09H -.53	22
124	92	DNT	09C -.42	22
124	92	DNT	09C .75	22
124	92	DNT	09H .67	22
124	92	DNT	09H -.47	22
19	93	DNG	A2 5.93	26
57	93	DNG	04H 29.31	26
119	93	DNT	09C .80	26
119	93	DNT	09C -.28	26
119	93	DNT	09H .73	26
121	93	DNT	09H .56	26
121	93	DNT	09H -.53	26
121	93	DNT	09C -.39	26
121	93	DNT	09C .72	26
123	93	DNT	A16 .33	26
123	93	DNT	09C -.36	26
123	93	DNT	09C .75	26
123	93	DNT	09H .55	26
123	93	DNT	09H -.53	26
125	93	DNT	09C .70	24
125	93	DNT	09H .75	24
125	93	DNT	09H -.28	24
125	93	DNT	09C -.42	24
4	94	DNG	02C 12.29	90
108	94	DNG	A4 2.59	94
108	94	DNG	A4 5.13	94
108	94	DNG	A4 7.89	94
108	94	DNG	A4 6.66	94
118	94	DNT	09H -.48	24
118	94	DNT	09H .59	24
120	94	DNT	09H -.42	24

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
120	94	DNT	09H .65	24
120	94	DNT	09C -.56	24
122	94	DNT	09C .53	24
122	94	DNT	09C -.50	24
122	94	DNT	09H .65	24
122	94	DNT	09H -.42	24
124	94	DNT	09H -.42	24
124	94	DNT	09H .62	24
124	94	DNT	09C .75	24
124	94	DNT	09C -.42	24
1	95	DNG	09H 8.79	116
45	95	DNG	03H 22.50	32
119	95	DNT	09H -.30	32
119	95	DNT	09H .66	32
119	95	DNT	09C .60	32
121	95	DNT	09C .55	32
121	95	DNT	09H .71	32
121	95	DNT	09H -.38	32
121	95	DNT	09C -.49	32
123	95	DNT	09H -.47	96
123	95	DNT	09H .63	96
123	95	DNT	09C .73	96
123	95	DNT	09C -.44	96
46	96	DNG	02H 21.16	30
120	96	DNT	09H -.50	26
120	96	DNT	09H .55	26
120	96	DNT	09C .75	26
120	96	DNT	09C -.44	26
122	96	DNT	09C .72	26
122	96	DNT	09H .64	26
122	96	DNT	09H -.53	26
122	96	DNT	09C -.36	26
124	96	DNT	09C -.49	96
124	96	DNT	09C .79	96
124	96	DNT	09H .66	96
124	96	DNT	09H -.38	96
1	97	DNG	09H 9.33	116
45	97	DNT	A13 -.87	94
119	97	DNT	09H -.44	34
119	97	DNT	09C .66	34
119	97	DNT	09C -.41	34
121	97	DNT	09H .47	30
121	97	DNT	09H -.55	30
121	97	DNT	09C -.28	30

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
121	97	DNT	09C .83	30
123	97	DNT	09C -.38	96
123	97	DNT	09C .74	96
123	97	DNT	09H .66	96
123	97	DNT	09H -.41	96
22	98	DNG	01C 22.15	40
118	98	DNT	09H -.44	40
118	98	DNT	09H .53	40
120	98	DNT	09H -.50	40
120	98	DNT	09H .58	40
120	98	DNT	09C .71	40
120	98	DNT	09C -.41	40
122	98	DNT	09C -.38	40
122	98	DNT	09C .71	40
122	98	DNT	09H .54	40
122	98	DNT	09H -.46	40
119	99	DNT	09H -.44	40
119	99	DNT	09C .66	40
119	99	DNT	09C -.41	40
119	99	DNT	09H .63	40
121	99	DNT	09H -.55	40
121	99	DNT	09H .60	40
121	99	DNT	09C .69	40
121	99	DNT	09C -.38	40
110	100	DNG	03H 31.55	42
118	100	DNT	09C .73	42
118	100	DNT	09H .60	42
118	100	DNT	09C -.44	42
118	100	DNT	09H -.46	42
120	100	DNT	09H .63	42
120	100	DNT	09C .65	42
120	100	DNT	09H -.44	42
120	100	DNT	09C -.44	42
122	100	DNT	09C -.41	40
122	100	DNT	09C .74	40
122	100	DNT	09H .63	40
122	100	DNT	09H -.44	40
1	101	DNG	09H -1.29	81
119	101	DNT	09C -.33	42
119	101	DNT	09C .63	42
119	101	DNT	09H -.47	42
119	101	DNT	09H .63	42
121	101	DNT	09H -.46	40
121	101	DNT	09C .68	40

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
121	101	DNT	09C -.41	40
121	101	DNT	09H .60	40
12	102	DNG	02C 33.67	44
116	102	DNT	09H -.50	44
118	102	DNT	09C -.36	44
118	102	DNT	09C .63	44
118	102	DNT	09H -.47	44
118	102	DNT	09H .58	44
120	102	DNT	09C -.41	44
120	102	DNT	09C .65	44
120	102	DNT	09H -.49	44
120	102	DNT	09H .52	44
117	103	DNT	09H .55	50
117	103	DNT	09H -.44	50
117	103	DNT	09C .61	50
117	103	DNT	09C -.41	50
119	103	DNT	09C -.50	50
119	103	DNT	09C .60	50
119	103	DNT	09H .66	50
119	103	DNT	09H -.39	50
14	104	DNT	01C .58	44
56	104	DNG	07H 27.55	46
116	104	DNT	09H -.44	46
116	104	DNT	09H .66	46
118	104	DNT	09H -.41	46
118	104	DNT	09H .63	46
118	104	DNT	09C .57	46
118	104	DNT	09C -.41	46
120	104	DNT	09H .57	44
120	104	DNT	09H -.38	44
120	104	DNT	09C -.41	44
120	104	DNT	09C .71	44
1	105	DNG	09H -1.24	81
39	105	DNG	06C 18.97	48
45	105	DNG	TSC 13.44	48
69	105	DNT	05H .35	48
107	105	DNG	FBH 16.43	48
115	105	DNT	09H .57	48
117	105	DNT	09H -.52	48
117	105	DNT	09C -.41	48
117	105	DNT	09H .63	48
117	105	DNT	09C .65	48
119	105	DNT	09C .58	50
119	105	DNT	09C -.47	50

## Dents and Dings

IRSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
119	105	DNT	09H -.44	50
119	105	DNT	09H .64	50
114	106	DNT	09C .60	50
116	106	DNT	09C .63	50
116	106	DNT	09H .55	50
116	106	DNT	09C -.41	50
116	106	DNT	09H -.41	50
118	106	DNT	09H .64	50
118	106	DNT	09H -.41	50
118	106	DNT	09C -.44	50
118	106	DNT	09C .60	50
113	107	DNT	09H .58	50
115	107	DNG	08H 31.69	50
115	107	DNT	09C -.38	50
115	107	DNT	09H -.41	50
115	107	DNT	09C .66	50
117	107	DNT	09C -.44	50
117	107	DNT	09H -.47	50
117	107	DNT	09C .55	50
117	107	DNT	09H .63	50
16	108	DNG	09H 3.82	48
64	108	DNG	03H 27.65	48
108	108	DNG	03C 5.38	48
114	108	DNT	09C .66	48
114	108	DNT	09H -.41	48
114	108	DNT	09H .57	48
116	108	DNT	09C -.41	48
116	108	DNT	09C .65	48
116	108	DNT	09H .63	48
116	108	DNT	09H -.41	48
15	109	DNG	09H 3.81	48
111	109	DNT	09C .68	48
111	109	DNT	09C -.44	48
113	109	DNT	09H .60	48
113	109	DNT	09C -.54	48
113	109	DNT	09C .63	48
113	109	DNT	09H -.44	48
115	109	DNT	09C .63	48
115	109	DNT	09C -.46	48
115	109	DNT	09H .71	48
115	109	DNT	09H -.33	48
34	110	DNG	05C 22.68	52
60	110	DNG	05H 22.90	52
82	110	DNG	04C 25.53	52

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
82	110	DNG	03C 26.19	52
110	110	DNT	09H .55	50
110	110	DNT	09C .60	50
112	110	DNT	09C .63	50
112	110	DNT	09C -.44	50
112	110	DNT	09H .58	50
112	110	DNT	09H -.41	50
114	110	DNT	09C -.41	50
114	110	DNT	09H -.44	50
114	110	DNT	09C .61	50
114	110	DNT	09H .63	50
116	110	DNT	09C -.44	50
116	110	DNT	09H -.38	50
116	110	DNT	09C .63	50
116	110	DNT	09H .55	50
109	111	DNT	09H .58	52
111	111	DNT	09C .58	52
111	111	DNT	09H -.47	52
111	111	DNT	09H .63	52
111	111	DNT	09C -.39	52
113	111	DNT	09H .63	52
113	111	DNT	09H -.41	52
113	111	DNT	09C -.36	52
113	111	DNT	09C .69	52
115	111	DNT	09H -.38	52
115	111	DNT	09C -.39	52
115	111	DNT	09C .66	52
115	111	DNT	09H .58	52
30	112	DNG	03H 32.91	54
46	112	DNG	08H 9.57	54
88	112	DNG	05C 30.25	54
100	112	DNG	03H 21.13	48
108	112	DNT	09C .49	48
108	112	DNG	A6 4.88	48
108	112	DNT	09H .63	48
110	112	DNT	09H .57	48
110	112	DNT	09H -.41	48
110	112	DNT	09C -.52	48
110	112	DNT	09C .74	48
112	112	DNT	09H .65	48
112	112	DNT	09C -.27	48
112	112	DNT	09C .65	48
112	112	DNT	09H -.44	48
114	112	DNT	09C .68	48

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
114	112	DNT	09C -.43	48
114	112	DNT	09H .65	48
114	112	DNT	09H -.38	48
114	112	DNG	01H 15.01	48
89	113	DNG	04H 36.12	54
107	113	DNT	09H .60	54
109	113	DNT	09C -.49	54
109	113	DNT	09H .54	54
109	113	DNT	09C .62	54
109	113	DNT	09H -.43	54
111	113	DNT	09C .63	54
111	113	DNT	09C -.44	54
111	113	DNT	09H -.41	54
111	113	DNT	09H .63	54
113	113	DNT	09H .60	54
113	113	DNT	09H -.38	54
113	113	DNT	09C -.46	54
113	113	DNT	09C .68	54
88	114	DNG	03H 5.70	52
88	114	DNG	A16 12.58	52
106	114	DNT	09H -.39	52
106	114	DNT	09H .72	52
106	114	DNT	09C .71	52
108	114	DNT	09C -.47	52
108	114	DNT	09C .71	52
108	114	DNT	09H -.44	52
108	114	DNT	09H .61	52
110	114	DNT	09H -.47	52
110	114	DNT	09H .61	52
110	114	DNT	09C .69	52
110	114	DNT	09C -.36	52
112	114	DNT	09H .71	52
112	114	DNT	09C .66	52
112	114	DNT	09H -.38	52
112	114	DNT	09C -.44	52
11	115	DNT	A15 2.26	52
95	115	DNG	08C 16.26	56
105	115	DNT	09C -.41	56
105	115	DNT	09C .63	56
107	115	DNT	09C -.44	56
107	115	DNT	09C .66	56
107	115	DNT	09H -.47	56
107	115	DNT	09H .63	56
109	115	DNT	09H -.41	56



## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
109	115	DNT	09C -.36	56
109	115	DNT	09C .69	56
109	115	DNT	09H .60	56
111	115	DNT	09H -.44	56
111	115	DNT	09C -.38	56
111	115	DNT	09H .69	56
111	115	DNT	09C .71	56
96	116	DNG	04H 10.51	54
102	116	DNG	03H 18.58	54
104	116	DNT	09C -.46	54
104	116	DNT	09H -.38	54
104	116	DNT	09H .68	54
104	116	DNT	09C .63	54
106	116	DNT	09C .63	54
106	116	DNT	09C -.46	54
106	116	DNT	09H -.41	54
106	116	DNT	09H .60	54
108	116	DNT	09C .68	54
108	116	DNT	09H -.46	54
108	116	DNT	09H .60	54
108	116	DNT	09C -.44	54
110	116	DNT	09H -.49	54
110	116	DNT	09H .65	54
110	116	DNT	09C .63	54
110	116	DNT	09C -.44	54
37	117	DNG	05C 34.74	58
79	117	DNG	A2 9.25	58
103	117	DNT	09H -.52	58
103	117	DNT	09H .63	58
103	117	DNT	09C -.46	58
103	117	DNT	09C .74	58
105	117	DNT	09H -.49	58
105	117	DNT	09H .63	58
105	117	DNT	09C .71	58
105	117	DNT	09C -.44	58
105	117	DNT	09C .60	58
105	117	DNT	09C -.46	58
105	117	DNG	A6 14.33	58
107	117	DNT	09H .57	58
107	117	DNT	09C .65	58
107	117	DNT	09C -.44	58
107	117	DNT	09H -.41	58
109	117	DNT	09C -.46	58
109	117	DNT	09H .68	58

## Dents and Dings

IRSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
109	117	DNT	09C .71	58
109	117	DNT	09H -.44	58
24	118	DNG	06H 5.24	100
102	118	DNG	06C 5.79	56
104	118	DNT	09H .58	56
104	118	DNT	09C .66	56
104	118	DNT	09H -.44	56
104	118	DNT	09C -.41	56
106	118	DNT	09C -.38	56
106	118	DNT	09C .63	56
106	118	DNT	09H -.41	56
106	118	DNT	09H .66	56
108	118	DNT	09C -.41	56
108	118	DNT	09C .63	56
108	118	DNT	09H -.41	56
108	118	DNT	09H .63	56
73	119	DNG	04H 38.41	64
87	119	DNG	07H 2.23	64
103	119	DNT	09H -.44	64
103	119	DNT	09C -.47	64
103	119	DNT	09H .60	64
103	119	DNT	09C .66	64
105	119	DNT	09H -.47	64
105	119	DNT	09H .63	64
105	119	DNT	09C .66	64
105	119	DNT	09C -.38	64
107	119	DNT	09H .63	64
107	119	DNT	09C .57	64
107	119	DNT	09H -.44	64
107	119	DNT	09C -.52	64
4	120	DNG	TSC 8.60	90
102	120	DNT	09C -.49	58
102	120	DNT	09C .57	58
104	120	DNT	09C -.46	58
104	120	DNT	09C .65	58
104	120	DNT	09H .60	58
104	120	DNT	09H -.44	58
106	120	DNT	09C -.43	58
106	120	DNT	09C .65	58
106	120	DNT	09H .63	58
106	120	DNT	09H -.46	58
106	120	DNG	08H 37.51	58
25	121	DNG	08H 26.12	62
41	121	DNG	04C 4.46	62

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
75	121	DNG	08C 23.79	62
99	121	DNG	08C 11.85	62
101	121	DNT	09H .60	62
101	121	DNT	09C -.44	62
101	121	DNT	09C .68	62
103	121	DNT	09H .68	62
103	121	DNT	09H -.46	62
103	121	DNT	09C -.46	62
103	121	DNT	09C .68	62
105	121	DNT	09C -.52	62
105	121	DNT	09C .71	62
105	121	DNT	09H .54	62
105	121	DNT	09H -.49	62
28	122	DNG	08H 10.99	66
44	122	DNG	06C 30.10	66
98	122	DNT	09H .62	66
100	122	DNT	09H .62	66
100	122	DNT	09C .61	66
102	122	DNT	09C .61	66
102	122	DNT	09H .67	66
102	122	DNT	09H -.53	66
102	122	DNT	09C -.53	66
104	122	DNT	09C -.45	66
104	122	DNT	09C .70	66
104	122	DNT	09H .62	66
104	122	DNT	09H -.42	66
71	123	DNG	A16 8.47	66
75	123	DNG	03H 31.51	66
93	123	DNG	06C 2.98	66
95	123	DNT	04H -.96	66
97	123	DNT	09C .70	66
97	123	DNT	09H .61	66
99	123	DNT	09C .72	66
99	123	DNT	09H .70	66
99	123	DNT	09C -.39	66
99	123	DNT	09H -.53	66
101	123	DNT	09C .70	66
101	123	DNT	09C -.50	66
101	123	DNT	09H .59	66
101	123	DNT	09H -.53	66
48	124	DNG	05H 21.06	68
82	124	DNG	02H 3.09	68
96	124	DNT	09H .57	68
98	124	DNT	09H .66	68

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
98	124	DNT	09C .63	68
100	124	DNT	09C -.46	68
100	124	DNT	09H -.43	68
100	124	DNT	09H .60	68
100	124	DNT	09C .63	68
55	125	DNG	02H -1.56	68
93	125	DNT	09H .68	68
95	125	DNG	06C 2.31	68
95	125	DNT	09C .68	68
95	125	DNT	09H .63	68
97	125	DNT	09H .60	68
97	125	DNT	09C -.44	68
97	125	DNT	09C .63	68
99	125	DNT	09H .63	68
99	125	DNT	09C -.49	68
99	125	DNT	09C .66	68
99	125	DNT	09H -.46	68
74	126	DNG	A7 7.87	66
74	126	DNG	FBC 16.42	66
86	126	DNG	FBH 17.23	66
92	126	DNT	09H .61	66
94	126	DNT	09H .62	66
94	126	DNT	09C .64	66
96	126	DNT	09H .62	66
96	126	DNT	09C .59	66
98	126	DNT	09H -.39	66
98	126	DNT	09H .67	66
98	126	DNT	09C .67	66
98	126	DNT	09C -.42	66
9	127	DNG	06C 34.04	66
9	127	DNG	06C 37.93	66
69	127	DNG	01C 7.55	66
89	127	DNT	09H .61	66
89	127	DNT	09C .61	66
91	127	DNT	09H .62	66
91	127	DNT	09C .70	66
93	127	DNT	09H .59	66
93	127	DNT	09C .67	66
93	127	DNT	09H -.45	66
93	127	DNT	09C -.39	66
95	127	DNT	09H -.48	66
95	127	DNT	09H .62	66
95	127	DNT	09C .59	66
95	127	DNT	09C -.45	66

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
97	127	DNT	09H -.48	66
97	127	DNT	09C .61	66
97	127	DNT	09H .62	66
97	127	DNT	09C -.42	66
6	128	DNG	04H 32.21	82
88	128	DNG	03H 23.33	68
88	128	DNT	09C .65	68
88	128	DNT	09H .60	68
90	128	DNT	09H .68	68
90	128	DNT	09C .63	68
92	128	DNT	09C .52	68
92	128	DNT	09C -.49	68
92	128	DNT	09H -.41	68
92	128	DNT	09H .68	68
92	128	DNG	TSH 4.53	68
94	128	DNT	09H .63	68
94	128	DNT	09C .68	68
94	128	DNT	09H -.41	68
94	128	DNT	09C -.44	68
96	128	DNT	09C -.44	68
96	128	DNT	09C .68	68
96	128	DNT	09H .65	68
96	128	DNT	09H -.44	68
43	129	DNG	05C 9.29	68
57	129	DNG	01C 15.27	68
81	129	DNG	08H 3.75	68
85	129	DNT	09H .63	68
85	129	DNT	09C .68	68
87	129	DNT	09H .65	68
87	129	DNT	09C .63	68
89	129	DNT	09C .65	68
89	129	DNT	09C -.52	68
89	129	DNT	09H .71	68
89	129	DNT	09H -.44	68
91	129	DNT	09H .60	68
91	129	DNT	09C .68	68
91	129	DNT	09H -.41	68
91	129	DNT	09C -.46	68
93	129	DNT	09H .63	68
93	129	DNT	09C .63	68
93	129	DNT	09C -.41	68
93	129	DNT	09H -.44	68
8	130	DNG	FBC 5.93	66
82	130	DNT	09H .61	70

## Dents and Dings

IRSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
84	130	DNT	09H -.50	70
84	130	DNT	09H .61	70
84	130	DNT	09C .67	70
86	130	DNT	09H -.36	70
86	130	DNT	09H .61	70
86	130	DNT	09C .59	70
86	130	DNT	09C -.86	70
88	130	DNT	09C -.47	70
88	130	DNT	09H -.42	70
88	130	DNT	09H .64	70
88	130	DNT	09C .64	70
90	130	DNT	09H -.42	70
90	130	DNT	09H .67	70
90	130	DNT	09C .64	70
90	130	DNT	09C -.45	70
92	130	DNT	09H -.50	70
92	130	DNT	09H .59	70
92	130	DNT	09C .64	70
92	130	DNT	09C -.45	70
81	131	DNT	09H .70	70
81	131	DNT	09C .81	70
83	131	DNT	09H .61	70
83	131	DNT	09H -.42	70
85	131	DNT	09C .64	70
85	131	DNT	09H .50	70
85	131	DNT	09H -.48	70
85	131	DNT	09C -.39	70
87	131	DNT	09C .70	70
87	131	DNT	09C -.45	70
87	131	DNT	09H .65	70
87	131	DNT	09H -.50	70
89	131	DNT	09C -.45	70
89	131	DNT	09H -.34	70
89	131	DNT	09C .84	70
89	131	DNT	09H .64	70
91	131	DNT	09C -.50	70
91	131	DNT	09C .70	70
91	131	DNT	09H .67	70
91	131	DNT	09H -.39	70
50	132	DNG	05C 29.92	72
62	132	DNG	02H 9.46	72
76	132	DNG	05C 32.42	72
80	132	DNT	09C .57	72
80	132	DNT	09H .63	72

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
82	132	DNT	09H .62	72
82	132	DNT	09C -.44	72
82	132	DNT	09C .63	72
84	132	DNT	09H -.46	72
84	132	DNT	09C -.44	72
84	132	DNT	09H .60	72
84	132	DNT	09C .66	72
86	132	DNT	09H .63	72
86	132	DNT	09C .65	72
86	132	DNT	09H -.43	72
86	132	DNT	09C -.44	72
88	132	DNT	09H -.41	72
88	132	DNT	09C -.41	72
88	132	DNT	09C .62	72
88	132	DNT	09H .68	72
63	133	DNG	01C 17.54	72
77	133	DNT	09H .71	72
81	133	DNT	09C -.44	72
81	133	DNT	09H -.41	72
81	133	DNT	09H .60	72
81	133	DNT	09C .68	72
83	133	DNT	09H .63	72
83	133	DNT	09C .68	72
83	133	DNT	09H -.44	72
83	133	DNT	09C -.44	72
85	133	DNT	09C .65	72
85	133	DNT	09C -.44	72
85	133	DNT	09H -.44	72
85	133	DNT	09H .65	72
87	133	DNT	09C -.38	72
87	133	DNT	09C .71	72
87	133	DNT	09H .65	72
87	133	DNT	09H -.38	72
78	134	DNT	09H -.42	70
78	134	DNT	09C .67	70
78	134	DNT	09H .61	70
80	134	DNT	09C .64	70
80	134	DNT	09H .59	70
80	134	DNT	09H -.42	70
80	134	DNT	09C -.42	70
82	134	DNT	09C .72	70
82	134	DNT	09C -.36	70
82	134	DNT	09H .70	70
82	134	DNT	09H -.50	70

## Dents and Dings

IRSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
84	134	DNT	09H .47	70
84	134	DNT	09H -.50	70
84	134	DNT	09C -.36	70
84	134	DNT	09C .75	70
86	134	DNT	09H -.39	70
86	134	DNT	09H .70	70
86	134	DNT	09C .64	70
86	134	DNT	09C -.39	70
77	135	DNT	09H .47	70
77	135	DNT	09C .67	70
79	135	DNT	09H .67	70
79	135	DNT	09C .61	70
79	135	DNT	09C -.47	70
79	135	DNT	09H -.42	70
81	135	DNT	09H .61	70
81	135	DNT	09C -.45	70
81	135	DNT	09C .64	70
81	135	DNT	09H -.45	70
83	135	DNT	09H .64	70
83	135	DNT	09C .61	70
83	135	DNT	09H -.36	70
83	135	DNT	09C -.45	70
42	136	DNG	04C 20.74	72
66	136	DNG	05H 33.39	72
76	136	DNT	09H .60	72
76	136	DNT	09C .68	72
78	136	DNT	09H -.49	72
78	136	DNT	09H .60	72
78	136	DNT	09C .68	72
78	136	DNT	09C -.55	72
80	136	DNT	09H -.44	72
80	136	DNT	09H .60	72
80	136	DNT	09C .65	72
80	136	DNT	09C -.49	72
82	136	DNT	09H -.46	72
82	136	DNT	09C -.44	72
82	136	DNT	09C .68	72
82	136	DNT	09H .68	72
3	137	DNG	01C 12.28	116
73	137	DNT	09C .66	72
73	137	DNT	09H .60	72
75	137	DNT	09H .60	72
75	137	DNT	09C -.46	72
75	137	DNT	09C .68	72



## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
77	137	DNT	09C -.52	72
77	137	DNT	09C .60	72
77	137	DNT	09H .65	72
77	137	DNT	09H -.44	72
79	137	DNT	09C -.41	72
79	137	DNT	09H -.43	72
79	137	DNT	09C .68	72
79	137	DNT	09H .62	72
68	138	DNT	09C .61	70
70	138	DNT	09C .62	70
70	138	DNT	09H .64	70
72	138	DNT	09H .65	70
72	138	DNT	09C .61	70
74	138	DNT	09C .61	70
74	138	DNT	09H .70	70
74	138	DNT	09C -.45	70
74	138	DNT	09H -.42	70
76	138	DNT	09H -.42	70
76	138	DNT	09H .62	70
76	138	DNT	09C .67	70
76	138	DNT	09C -.39	70
78	138	DNT	09C .67	70
78	138	DNT	09H .70	70
78	138	DNT	09C -.45	70
78	138	DNT	09H -.42	70
39	139	DNT	FBC .00	70
67	139	DNT	09C .64	70
69	139	DNT	09H .61	70
69	139	DNT	09C .64	70
71	139	DNT	09H .67	70
71	139	DNT	09C .67	70
71	139	DNT	09H -.36	70
73	139	DNT	09C .59	70
73	139	DNT	09H .67	70
73	139	DNT	09C -.47	70
75	139	DNT	09C -.45	70
75	139	DNT	09H -.42	70
75	139	DNT	09H .64	70
75	139	DNT	09C .67	70
4	140	DNG	01C 16.85	80
14	140	DNG	09H 3.82	72
20	140	DNG	05C 24.58	72
46	140	DNG	06C 15.28	72
64	140	DNT	09C .35	72

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
66	140	DNT	09C .63	72
68	140	DNT	09H .73	72
68	140	DNT	09C .79	72
70	140	DNT	09C .57	72
70	140	DNT	09C -.49	72
70	140	DNT	09H .62	72
72	140	DNT	09H .62	72
72	140	DNT	09C -.52	72
72	140	DNT	09C .71	72
61	141	DNT	09H .63	72
61	141	DNT	09C .71	72
63	141	DNT	09H .87	72
63	141	DNT	09C .68	72
63	141	DNT	09C -.46	72
65	141	DNT	09H .74	72
65	141	DNT	09C .65	72
65	141	DNT	09C -.41	72
67	141	DNT	09C .68	72
67	141	DNT	09H -.27	72
67	141	DNT	09C -.46	72
67	141	DNT	09H .60	72
69	141	DNT	09C .60	72
69	141	DNT	09C -.43	72
69	141	DNT	09H .63	72
69	141	DNT	09H -.44	72
71	141	DNT	09H -.41	72
71	141	DNT	09C .73	72
71	141	DNT	09H .60	72
71	141	DNT	09C -.33	72
58	142	DNT	09C .67	76
58	142	DNT	09H .67	76
60	142	DNT	09H .61	76
60	142	DNT	09C .61	76
62	142	DNT	09C .62	76
62	142	DNT	09H .67	76
62	142	DNT	09H .68	78
62	142	DNT	09C .63	78
62	142	DNT	09C -.45	76
64	142	DNT	09C -.52	78
64	142	DNT	09H .63	78
64	142	DNT	09C .63	78
64	142	DNT	09H -.49	78
66	142	DNT	09C -.38	78
66	142	DNT	09H -.44	78

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
66	142	DNT	09C .65	78
66	142	DNT	09H .68	78
68	142	DNT	09C .60	78
68	142	DNT	09C -.46	78
68	142	DNT	09H -.35	78
68	142	DNT	09H .71	78
7	143	DNG	02C 14.45	74
55	143	DNT	09C .67	76
57	143	DNT	09C .67	76
57	143	DNT	09H .65	76
57	143	DNT	09C -.44	76
59	143	DNT	09C -.35	78
59	143	DNT	09C .63	78
59	143	DNT	09H .57	78
59	143	DNT	09H -.46	78
61	143	DNT	09H -.46	78
61	143	DNT	09H .62	78
61	143	DNT	09C -.49	78
61	143	DNT	09C .57	78
63	143	DNT	09C .68	78
63	143	DNT	09C -.35	78
63	143	DNT	09H .71	78
63	143	DNT	09H -.41	78
65	143	DNT	09C -.38	78
65	143	DNT	09H .71	78
65	143	DNT	09H -.35	78
65	143	DNT	09C .71	78
22	144	DNG	06H 27.82	78
52	144	DNT	09H .65	78
52	144	DNT	09C .74	78
54	144	DNT	09C .73	78
56	144	DNT	09C .65	78
56	144	DNT	09H .52	78
56	144	DNT	09C -.44	78
58	144	DNT	09C -.46	78
58	144	DNT	09C .57	78
58	144	DNT	09H .71	78
58	144	DNT	09H -.41	78
60	144	DNT	09C -.44	78
60	144	DNT	09H .63	78
60	144	DNT	09C .65	78
60	144	DNT	09H -.44	78
62	144	DNT	09H -.33	78
62	144	DNT	09H .68	78

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
62	144	DNT	09C -.44	78
62	144	DNT	09C .63	78
5	145	DNG	02C 23.91	80
47	145	DNG	07C 19.96	78
51	145	DNG	07C 29.61	78
53	145	DNG	07C 25.55	78
53	145	DNT	09H .65	78
55	145	DNT	09C .65	78
55	145	DNT	09H -.41	78
55	145	DNT	09H .66	78
55	145	DNG	07C 12.09	78
57	145	DNT	09H .65	78
57	145	DNT	09H -.35	78
57	145	DNT	09C -.49	78
57	145	DNT	09C .65	78
59	145	DNT	09C -.44	78
59	145	DNT	09H .65	78
59	145	DNT	09H -.41	78
59	145	DNT	09C .68	78
50	146	DNT	09C .65	78
50	146	DNT	09C -.52	78
52	146	DNT	09H .60	78
52	146	DNT	09C .63	78
52	146	DNT	09C -.52	78
54	146	DNT	09H -.35	78
54	146	DNT	09H .60	78
54	146	DNT	09C -.49	78
54	146	DNT	09C .62	78
56	146	DNT	09H -.41	78
56	146	DNT	09H .62	78
56	146	DNT	09C .73	78
56	146	DNT	09C -.41	78
11	147	DNG	04C 23.96	76
47	147	DNT	09H .62	78
47	147	DNT	09C .63	78
49	147	DNT	09C .62	78
49	147	DNT	09H .73	78
51	147	DNT	09C -.46	78
51	147	DNT	09H .73	78
51	147	DNT	09C .71	78
53	147	DNT	09C -.38	78
53	147	DNT	09C .68	78
53	147	DNT	09H .68	78
53	147	DNT	09H -.38	78

## Dents and Dings

1RSG 12269

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
44	148	DNT	09H .68	78
46	148	DNT	09H .70	78
46	148	DNT	09C .71	78
48	148	DNT	09C .60	78
48	148	DNT	09H .63	78
50	148	DNT	09C -.38	78
50	148	DNT	09C .63	78
50	148	DNT	09H .68	78
41	149	DNT	09H .62	78
41	149	DNT	09C .68	78
43	149	DNT	09C .74	78
43	149	DNT	09H .68	78
43	149	DNT	09C -.41	78
45	149	DNT	09H .78	78
45	149	DNT	09C .73	78
45	149	DNT	09C -.33	78
12	150	DNG	07H 37.08	74
38	150	DNT	09C .60	74
40	150	DNT	09C .58	74
40	150	DNT	09H .71	74
42	150	DNT	09H .71	74
42	150	DNT	09C .60	74
35	151	DNT	09C .69	74
37	151	DNT	09C .71	74
37	151	DNT	09H .63	74
6	152	DNG	A16 1.18	100
6	152	DNG	A1 2.76	100
6	152	DNG	A1 4.07	100

## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
3	5	DNG	09C -1.41	64
21	5	DNG	01H 2.82	17
40	6	DNG	02H 35.63	17
8	8	DNG	TSH 12.78	15
47	9	DNG	07C 20.51	17
10	12	DNG	A16 14.61	15
65	15	DNG	01C 24.04	15
29	17	DNG	04H 6.85	3
29	17	DNG	04H 11.44	3
42	18	DNT	09C .33	3
50	20	DNG	A16 2.62	1
19	21	DNG	08C 12.26	21
19	21	DNG	08C 15.86	21
19	21	DNG	08C 23.11	21
19	21	DNG	08C 24.10	21
19	21	DNG	08C 16.86	21
19	21	DNG	08C 20.96	21
19	21	DNG	08H 23.37	21
19	21	DNG	08H 14.52	21
19	21	DNG	08C 12.25	21
19	21	DNG	08C 19.99	21
19	21	DNG	08H 22.28	21
19	21	DNG	08C 19.88	21
19	21	DNG	08C 20.85	21
19	21	DNG	08H 23.43	21
19	21	DNG	08C 24.01	21
19	21	DNG	08C 23.04	21
19	21	DNG	08H 22.36	21
19	21	DNG	08H 20.22	21
49	21	DNG	A16 1.18	21
12	22	DNG	09H 3.66	21
16	22	DNG	09H 3.77	21
44	22	DNG	08C 8.53	21
44	22	DNG	03H 13.36	21
21	23	DNG	A16 6.59	19
33	23	DNG	04C 14.78	19
16	24	DNG	09H 3.81	19
91	25	DNT	A8 .00	21
91	25	DNT	A7 -.30	21
12	26	DNG	09H 4.19	25
16	26	DNG	09H 4.04	25
49	29	DNG	04C 37.67	29
12	30	DNG	09H 2.80	37
14	30	DNG	09H 2.74	37

## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
16	30	DNG	09H 2.89	37
12	32	DNG	09H 3.32	35
94	32	DNG	A16 18.30	31
9	33	DNG	02H 10.91	37
11	33	DNG	09H 2.77	37
13	33	DNG	09H 3.00	37
15	33	DNG	09H 3.12	37
17	33	DNG	09H 3.04	37
21	33	DNG	04C 19.35	37
14	34	DNG	08H 43.04	37
61	35	DNG	TSC .83	35
61	35	DNG	TSC 1.96	35
3	37	DNG	09C -1.22	64
15	37	DNG	A16 8.85	37
29	37	DNG	07H 1.49	41
53	37	DNG	02H 6.94	41
67	37	DNG	01H 3.37	41
101	37	DNG	04H 27.39	41
42	38	DNG	03H 21.82	41
62	38	DNT	09C .36	41
1	39	DNG	05H 36.87	11
1	39	DNG	09C -1.29	66
31	39	DNT	07H .63	39
38	40	DNG	03H 14.83	39
98	40	DNG	08H 9.47	39
43	41	DNG	06H 12.52	43
1	43	DNG	01C 35.70	66
19	43	DNG	03C 12.13	47
22	44	DNG	07H 20.26	43
20	46	DNG	A1 1.31	53
24	46	DNG	06C 25.16	53
15	47	DNG	08C 37.65	53
61	47	DNG	FBC -1.16	53
61	47	DNG	TSC 8.46	53
88	48	DNG	02H 27.50	51
11	49	DNG	01C 21.58	55
45	49	DNG	TSC 14.08	55
45	49	DNG	FBC -1.16	55
101	49	DNT	08H .35	55
101	49	DNG	07H 34.80	55
92	50	DNG	06C 20.58	53
102	50	DNG	06C 10.77	53
69	51	DNG	FBC 14.53	59
81	51	DNG	09C 1.93	59

## Dents and Dings

IRSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
85	51	DNT	09C .68	59
119	51	DNT	09C -.41	57
119	51	DNT	09C .55	57
100	52	DNT	07H .08	55
59	53	DNG	06H 34.06	57
95	53	DNT	09C .49	57
95	53	DNT	09H .57	57
95	53	DNT	09C -.55	57
101	53	DNT	07H .05	57
16	54	DNG	A3 11.94	59
26	54	DNG	07C 17.85	59
102	54	DNT	07H .38	59
112	54	DNT	07H .00	59
21	55	DNG	A1 -1.11	63
83	55	DNG	A16 17.75	61
83	55	DNG	02C 17.89	61
99	55	DNT	07H .41	63
101	55	DNT	07H .33	63
103	55	DNT	07H .24	63
107	55	DNT	07H .27	63
111	55	DNT	07H .30	63
117	55	DNG	A12 19.32	63
119	55	DNG	A12 18.89	63
66	56	DNG	TSC 10.62	57
100	56	DNT	07H .03	57
102	56	DNT	07H .22	57
102	56	DNT	08H .16	57
104	56	DNT	07H .11	57
106	56	DNT	07H .00	57
108	56	DNT	07H .30	57
77	57	DNG	03C 24.93	61
89	57	DNG	TSC 7.54	61
95	57	DNT	05H .27	61
97	57	DNT	05H .30	61
99	57	DNT	07H .30	61
101	57	DNT	07H .30	61
103	57	DNT	07H .27	61
105	57	DNT	07H .24	61
107	57	DNT	07H .24	61
109	57	DNT	07H .22	61
115	57	DNT	07H .19	61
117	57	DNG	A12 17.39	61
119	57	DNG	A12 18.47	61
16	58	DNG	A16 9.11	63



## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
38	58	DNG	03C 24.01	63
98	58	DNT	05H .25	63
100	58	DNT	07H .27	63
102	58	DNT	07H .33	63
104	58	DNT	07H .24	63
106	58	DNT	07H .22	63
106	58	DNT	08H .19	63
108	58	DNT	07H .24	63
110	58	DNT	07H .27	63
112	58	DNT	07H .19	63
114	58	DNT	07H .16	63
122	58	DNG	03C -2.00	63
99	59	DNT	05H .00	63
101	59	DNT	07H .00	63
103	59	DNT	07H .00	63
103	59	DNT	08H .00	63
105	59	DNT	07H .00	63
107	59	DNT	08H .00	63
107	59	DNT	07H .00	63
109	59	DNT	07H .00	63
111	59	DNT	07H .00	63
2	60	DNG	TSC 11.89	66
6	60	DNG	TSC 20.19	63
12	60	DNG	01C 32.17	63
102	60	DNT	07H .05	61
104	60	DNT	07H -.03	61
106	60	DNT	07H .25	61
108	60	DNT	07H .22	61
110	60	DNT	07H .35	61
112	60	DNT	07H .03	61
81	61	DNG	A16 17.24	61
91	61	DNG	A16 18.13	61
95	61	DNT	05H .27	61
101	61	DNT	07H .08	61
103	61	DNT	07H .05	61
105	61	DNT	07H -.57	61
105	61	DNT	07H .27	61
105	61	DNG	04H 19.08	61
107	61	DNT	07H .03	61
111	61	DNT	07H -.16	61
16	62	DNG	A16 5.42	67
22	62	DNG	TSH 37.81	67
92	62	DNG	02H 5.56	67
94	62	DNG	07C 26.76	67

## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
100	62	DNT	07H .33	67
102	62	DNT	07H .33	67
104	62	DNT	07H .35	67
106	62	DNT	07H -.79	67
106	62	DNT	07H .27	67
108	62	DNT	07H .35	67
108	62	DNG	07H -.81	67
110	62	DNT	07H .16	67
112	62	DNT	07H .27	67
114	62	DNT	07H .19	67
118	62	DNG	04H 19.87	67
118	62	DNT	07H .24	67
59	63	DNG	04H 16.32	67
59	63	DNG	04H 14.77	67
91	63	DNG	A16 19.33	67
95	63	DNG	A16 20.22	67
99	63	DNT	07H .41	67
105	63	DNT	07H .35	67
56	64	DNG	A13 -1.86	65
100	64	DNT	07H .08	65
102	64	DNT	07H .05	65
104	64	DNT	07H .00	65
110	64	DNT	07H -.08	65
47	65	DNG	02C 26.17	65
99	65	DNT	07H .05	65
99	65	DNT	08H .16	65
101	65	DNT	07H .08	65
103	65	DNT	08H .16	65
103	65	DNT	07H .05	65
105	65	DNT	07H -.03	65
107	65	DNG	07H -.87	65
107	65	DNT	07H .08	65
111	65	DNT	07H -.03	65
58	66	DNG	A14 9.94	71
102	66	DNT	07H .27	71
106	66	DNG	08H 30.66	71
29	67	DNG	01H 12.98	71
69	67	DNG	06C 2.59	71
91	67	DNG	04C 12.47	71
99	67	DNT	07H .22	71
103	67	DNT	07H .33	71
105	67	DNT	07H .38	71
105	67	DNG	07H -.84	71
80	68	DNT	08C .72	69

## Dents and Dings

IRSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
112	68	DNT	07H .25	69
114	68	DNT	07H .22	69
106	70	DNG	06H -1.22	71
108	70	DNT	07H .24	71
9	71	DNG	08H 31.85	75
83	71	DNG	02C 20.36	75
18	72	DNG	09H 3.60	83
108	72	DNG	07H -.89	69
108	72	DNG	08H -.92	69
51	73	DNG	A12 1.95	73
62	74	DNG	A6 9.70	75
108	74	DNG	07H -.84	75
110	74	DNG	TSH 1.29	75
3	75	DNG	05C 31.31	64
69	75	DNG	02H 3.36	75
69	75	DNG	03H 35.60	75
69	75	DNG	03H 19.77	75
109	75	DNG	FBH 10.20	75
74	76	DNG	07H 4.06	73
108	76	DNG	03H 27.01	73
15	77	DNT	08C .65	79
59	77	DNG	04H 23.36	77
4	78	DNG	01H 30.71	79
30	78	DNG	08C 25.46	77
30	78	DNG	08C 25.26	6
40	78	DNG	A12 3.02	77
40	78	DNG	A12 3.13	6
96	78	DNG	05C 24.34	6
115	79	DNT	A1 .34	6
119	79	DNT	07H .19	6
123	79	DNG	03H 25.79	6
123	79	DNT	08H .22	6
125	79	DNG	A8 12.15	6
46	80	DNG	TSH 11.98	8
120	80	DNT	07H .22	8
122	80	DNG	04C 24.19	8
124	80	DNG	A5 -1.10	8
5	81	DNG	01C 33.50	64
71	81	DNG	07C 23.48	8
111	81	DNG	06C 26.04	8
115	81	DNG	05H 32.01	8
119	81	DNG	04H 22.90	8
125	81	DNG	04C 21.07	8
52	84	DNG	06H 6.63	8

## Dents and Dings

IRSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
14	86	DNG	TSC 12.78	10
27	87	DNG	08H 9.45	10
52	88	DNG	07C 12.84	12
96	88	DNG	02C 19.28	12
69	89	DNG	08H 14.51	12
69	89	DNG	02C 13.37	12
98	90	DNG	FBH 1.53	14
3	91	DNG	09H -1.16	77
9	91	DNG	03H 2.41	14
13	91	DNG	TSC 8.91	14
73	91	DNG	A12 14.55	14
109	91	DNG	TSC 3.24	14
117	91	DNG	07H 8.81	14
26	92	DNG	TSH 3.05	12
19	93	DNG	05H 27.53	16
89	93	DNG	08H 6.27	16
102	94	DNG	02C 21.28	14
104	94	DNT	A10 .05	14
122	94	DNG	03H 5.48	14
15	95	DNG	A2 1.38	14
19	95	DNG	A14 2.23	14
91	95	DNG	07C 5.19	14
16	96	DNG	A16 5.22	16
86	96	DNT	A13 .00	16
120	96	DNG	04C 24.97	16
3	97	DNG	06H 18.15	77
57	97	DNG	01C 10.11	16
123	97	DNG	06C 17.13	14
16	98	DNG	09H 35.58	18
36	98	DNG	07C 7.28	18
88	98	DNG	02H 28.56	18
110	98	DNG	04C 7.31	26
11	99	DNG	09C -1.04	26
42	100	DNG	A16 27.94	20
122	100	DNG	07H 20.25	26
3	101	DNG	A1 1.39	18
101	101	DNG	FBH 9.64	28
102	102	DNG	06C -1.77	30
101	103	DNG	07H 24.04	30
101	103	DNG	04H 2.87	30
60	104	DNG	A11 10.78	32
29	105	DNG	01C 8.68	32
119	105	DNT	09C -.57	30
119	105	DNT	A6 -.03	30

## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
119	105	DNT	09C .46	30
119	105	DNT	A6 .35	30
92	106	DNG	06H 6.59	30
57	107	DNG	03H 6.92	34
65	107	DNG	02C 23.65	34
83	107	DNG	01H 26.41	34
105	107	DNG	A3 -.69	34
7	109	DNG	02C 3.51	36
25	109	DNG	03C 11.66	36
25	109	DNG	03H 32.46	36
53	109	DNG	TSH 16.43	36
69	109	DNG	A10 6.81	36
53	111	DNG	TSH 10.80	38
53	111	DNG	TSH 13.54	38
77	111	DNG	TSC 6.99	38
77	111	DNG	TSC 10.02	38
77	111	DNG	TSC 9.26	38
77	111	DNG	TSC 8.41	38
105	111	DNG	A4 4.54	38
18	112	DNG	04C 5.91	36
98	112	DNG	07C 2.91	36
98	112	DNG	A10 9.42	36
34	114	DNG	01C 17.99	38
61	115	DNG	05C 25.06	38
67	115	DNG	05H 27.53	38
109	115	DNG	TSH 10.04	42
40	116	DNG	03C 3.38	40
1	117	DNG	04H 25.21	83
3	117	DNG	TSC 16.60	18
9	117	DNG	05C 17.31	40
9	117	DNG	05H 29.77	40
35	117	DNG	02C 33.72	40
51	117	DNG	FBH -.51	40
104	118	DNG	A5 1.49	42
37	119	DNG	02H 28.86	42
49	119	DNG	06H 38.09	42
97	119	DNT	A1 -.27	42
10	120	DNG	09H 2.68	44
83	121	DNG	08H 14.51	44
83	121	DNG	07C 29.36	44
83	121	DNG	07C 28.28	44
36	122	DNG	02C 12.05	42
104	122	DNG	FBC 7.77	42
3	123	DNG	09C -1.13	18

## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
95	123	DNG	09H 11.20	42
76	124	DNG	A4 9.75	44
65	125	DNG	FBH 8.25	44
97	125	DNG	A2 5.34	44
97	125	DNG	A9 12.16	44
98	126	DNT	09C .44	46
1	127	DNG	FBC 10.03	20
27	127	DNG	01H 23.53	46
45	127	DNG	05C 38.00	46
55	127	DNG	FBH 1.98	46
89	127	DNG	08C 26.82	46
97	127	DNT	09C .54	46
34	128	DNG	03C 17.01	48
86	128	DNG	A2 12.28	48
86	128	DNG	A12 7.23	48
88	128	DNG	03C 30.26	48
15	129	DNG	FBH 14.58	48
45	129	DNG	06C 19.80	48
89	131	DNG	05C 17.30	46
5	133	DNG	02H 2.15	62
49	133	DNG	07H 18.99	48
55	133	DNG	02H 34.40	48
75	133	DNG	A12 14.63	48
75	133	DNG	A14 6.38	48
75	133	DNT	A13 .00	48
75	133	DNG	A14 1.20	48
19	135	DNG	03H 7.35	50
35	135	DNG	09H 8.28	50
35	135	DNG	09H 6.96	50
55	135	DNG	03C 31.85	50
83	135	DNG	TSH 15.23	50
83	135	DNT	FBH -.05	50
32	136	DNG	03H 31.18	60
32	136	DNG	03H 32.20	60
82	136	DNT	A1 .13	48
82	136	DNG	A1 -.86	48
47	137	DNG	01H 35.01	54
53	137	DNG	FBH 13.32	54
53	137	DNG	FBH 11.92	54
78	138	DNT	09H .56	50
78	138	DNT	09H -.59	50
27	139	DNG	05H 34.28	50
62	140	DNG	08H 16.91	54
45	141	DNG	02C 30.89	54

## Dents and Dings

1RSG 12270

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
61	141	DNG	02C 14.10	54
9	143	DNG	07C 27.24	52
15	143	DNG	09H 6.99	52
41	145	DNG	07C 15.38	58
51	145	DNG	FBC 10.55	58
40	146	DNG	02H 29.56	60
27	147	DNG	05H 33.11	60
53	147	DNG	A2 12.41	60
28	148	DNT	06H -.10	62
4	150	DNG	03C 4.50	62
4	150	DNG	06H 23.75	62
5	151	DNG	02C 2.00	62
28	152	DNT	09C .43	62
30	152	DNG	06H -1.67	62
30	152	DNT	09C .44	62
25	153	DNG	A14 -1.15	62
2	154	DNG	FBC 4.55	20
12	154	DNG	09H 3.78	62

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
3	1	DNG	09H -1.04	57
14	4	DNG	09H 3.83	3
16	4	DNG	09H 3.87	3
18	4	DNG	A13 1.34	3
13	5	DNG	09H 6.40	7
4	6	DNG	02H 30.35	62
4	6	DNG	04H 21.26	62
16	6	DNG	A14 2.86	3
16	6	DNG	09H 3.79	3
18	6	DNG	TSC 5.21	3
41	7	DNT	09C .66	3
45	7	DNT	09C -.30	1
45	7	DNT	09C .63	1
44	8	DNT	09C .59	1
46	8	DNT	09C -.33	3
46	8	DNT	09C .61	3
48	8	DNT	09C .59	1
50	8	DNT	09C .54	1
50	8	DNT	09C -.27	1
15	9	DNG	A15 -1.62	3
45	9	DNT	09C .63	3
47	9	DNT	09C .55	3
47	9	DNT	09C -.33	3
47	9	DNG	09H 9.30	3
49	9	DNT	09C .67	3
49	9	DNT	09C -.34	3
51	9	DNT	09C -.36	3
51	9	DNT	09C .72	3
53	9	DNT	09C -.36	3
53	9	DNT	09C .67	3
34	10	DNG	09H 10.94	3
42	10	DNG	09H 8.43	3
48	10	DNT	09C .69	3
50	10	DNT	09C .63	3
52	10	DNT	09C -.33	3
52	10	DNT	09C .64	3
54	10	DNT	09C .71	3
54	10	DNT	09C -.33	3
56	10	DNT	09C .71	3
56	10	DNT	09C -.41	3
47	11	DNT	09C .65	1
47	11	DNG	02H 16.26	1
49	11	DNT	09C .56	1
51	11	DNT	09C .56	1



## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
53	11	DNT	09C .65	1
53	11	DNT	09C -.33	1
55	11	DNT	09C -.33	1
55	11	DNT	09C .54	1
57	11	DNT	09C -.33	1
57	11	DNT	09C .68	1
59	11	DNT	09C .67	1
59	11	DNT	09C -.38	1
16	12	DNG	09H 3.88	1
52	12	DNT	09C .55	1
54	12	DNT	09C .62	1
54	12	DNT	09C -.36	1
56	12	DNT	09C .72	3
56	12	DNT	09C -.25	3
58	12	DNT	09C .68	3
58	12	DNT	09C -.40	3
60	12	DNT	09C -.33	1
60	12	DNT	09C .63	1
62	12	DNT	09C -.33	1
62	12	DNT	09C .63	1
39	13	DNG	09H 10.46	3
51	13	DNT	09C .64	3
53	13	DNT	09C .75	3
55	13	DNT	09C -.39	3
55	13	DNT	09C .67	3
57	13	DNT	09C -.42	3
57	13	DNT	09C .67	3
59	13	DNT	09C .69	3
59	13	DNT	09C -.42	3
61	13	DNT	09C .61	3
61	13	DNT	09C -.50	3
63	13	DNT	09C -.39	3
63	13	DNT	09C .69	3
65	13	DNT	09C -.44	3
65	13	DNT	09C .66	3
56	14	DNT	09C .70	3
58	14	DNT	09C .67	3
60	14	DNT	09C .69	3
60	14	DNT	09C -.37	3
62	14	DNT	09C -.45	3
62	14	DNT	09C .70	3
64	14	DNT	09C .70	3
64	14	DNT	09C -.45	3
66	14	DNT	09C .70	3

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
68	14	DNT	09C .78	3
68	14	DNT	09C -.36	3
51	15	DNG	02C 13.03	1
57	15	DNT	09C .66	1
59	15	DNT	09C .60	1
61	15	DNT	09C .54	1
63	15	DNT	09C .72	1
65	15	DNT	09C .66	3
67	15	DNT	09C .58	3
69	15	DNT	09C .53	1
71	15	DNT	09C -.26	1
71	15	DNT	09C .65	1
64	16	DNT	09C .60	1
66	16	DNT	09C .54	1
68	16	DNT	09C .62	1
70	16	DNT	09C .45	1
72	16	DNT	09C .56	1
67	17	DNT	09C .67	3
69	17	DNT	09C .64	3
71	17	DNT	09C .70	3
73	17	DNT	09C .73	3
75	17	DNG	09C .81	3
14	18	DNG	FBC 6.75	3
72	18	DNT	09C .64	7
74	18	DNT	09C .78	7
76	18	DNT	09C -.39	7
76	18	DNT	09C .72	7
78	18	DNT	09C .78	7
78	18	DNT	09C -.36	7
13	19	DNG	A2 .87	7
35	19	DNG	TSC 13.64	1
73	19	DNT	09C .65	1
75	19	DNT	09C .64	1
77	19	DNT	09C .56	1
77	19	DNT	09C -.32	1
79	19	DNT	09C -.38	1
79	19	DNT	09C .61	1
44	20	DNG	08C 5.39	5
74	20	DNT	09C .60	5
76	20	DNT	09C .61	5
78	20	DNT	09C .64	5
80	20	DNT	09C -.38	5
80	20	DNT	09C .67	5
82	20	DNT	09C -.32	5

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
82	20	DNT	09C .60	5
3	21	DNG	09H -1.04	55
53	21	DNG	01C 29.40	7
77	21	DNT	09C .69	7
81	21	DNT	09C -.28	7
81	21	DNT	09C .72	7
83	21	DNT	09C -.39	7
83	21	DNT	09C .72	7
80	22	DNT	09C -.41	7
80	22	DNT	09C .60	7
82	22	DNT	09C .71	7
82	22	DNT	09C -.41	7
84	22	DNT	09C -.38	7
84	22	DNT	09C .68	7
86	22	DNT	09C -.39	7
86	22	DNT	09C .63	7
13	23	DNG	09H 3.05	59
21	23	DNG	08C 21.11	5
31	23	DNG	04H 33.34	5
81	23	DNT	09C .64	5
83	23	DNT	09C -.37	5
83	23	DNT	09C .66	5
85	23	DNT	09C .61	5
85	23	DNT	09C -.35	5
87	23	DNT	09C -.40	5
87	23	DNT	09C .61	5
16	24	DNG	09H 3.25	5
80	24	DNT	09C .54	5
80	24	DNT	09C .63	5
82	24	DNT	09C .69	5
84	24	DNT	09C .76	5
84	24	DNT	09C -.26	5
86	24	DNT	09C .72	5
86	24	DNT	09C -.37	5
88	24	DNT	09C .60	5
88	24	DNT	09C -.40	5
83	25	DNT	09C .77	7
85	25	DNT	09C .63	7
85	25	DNT	09C -.52	7
87	25	DNT	09C -.44	7
87	25	DNT	09C .72	7
89	25	DNT	09C -.36	7
89	25	DNT	09C .64	7
91	25	DNT	09C -.27	7

## Dents and Dings

IRSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
91	25	DNT	09C .77	7
84	26	DNT	09C .77	11
86	26	DNT	09C .63	11
88	26	DNT	09C -.47	11
88	26	DNT	09C .64	11
90	26	DNT	09C .78	11
90	26	DNT	09C -.39	11
92	26	DNT	09C .78	11
92	26	DNT	09C -.33	11
7	27	DNG	09H 19.11	62
9	27	DNG	04H 5.68	9
13	27	DNG	04C 33.07	9
21	27	DNG	01H 6.03	9
87	27	DNT	09C .59	5
89	27	DNT	09C .62	5
91	27	DNT	09C -.37	5
91	27	DNT	09C .65	5
93	27	DNT	09C .77	5
93	27	DNT	09C -.37	5
36	28	DNG	A4 3.49	9
80	28	DNG	08C 32.97	9
90	28	DNT	09C .53	9
92	28	DNT	09C .60	9
94	28	DNT	09C .67	9
94	28	DNT	09C -.38	9
94	28	DNT	09H .44	9
96	28	DNT	09C -.29	9
96	28	DNT	09C .75	9
96	28	DNT	09H .50	9
57	29	DNG	04C -1.91	11
83	29	DNG	08H 6.24	11
91	29	DNT	09C .69	11
95	29	DNT	09C .64	11
97	29	DNT	09C -.42	11
97	29	DNT	09H .30	11
97	29	DNT	09C .70	11
44	30	DNG	01H 4.20	11
80	30	DNG	08C 31.54	11
94	30	DNT	09C -.49	11
94	30	DNT	09C .63	11
96	30	DNT	09C -.44	11
96	30	DNT	09C .66	11
96	30	DNT	09H .44	11
98	30	DNT	09C -.38	11

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
98	30	DNT	09C .71	11
98	30	DNT	09H .46	11
93	31	DNT	09C .63	9
95	31	DNT	09C .66	9
97	31	DNT	09C .69	9
97	31	DNT	09C -.32	9
99	31	DNT	09H .31	9
99	31	DNT	09C .66	9
99	31	DNT	09C -.34	9
99	31	DNT	09H -.75	9
96	32	DNT	09C .63	9
98	32	DNT	09H .42	9
98	32	DNT	09C .68	9
98	32	DNT	09C -.40	9
100	32	DNT	09H .39	9
100	32	DNT	09C .62	9
100	32	DNT	09C -.42	9
49	33	DNG	01C 32.47	15
83	33	DNG	TSC 16.50	15
97	33	DNT	09C .69	15
99	33	DNT	09H .46	15
99	33	DNT	09C -.47	15
99	33	DNT	09C .61	15
101	33	DNT	09C .72	15
101	33	DNT	09H .35	15
101	33	DNT	09C -.41	15
98	34	DNT	09C .71	15
100	34	DNT	09C -.41	15
100	34	DNT	09C .69	15
102	34	DNT	09H .33	15
102	34	DNT	09C .69	15
102	34	DNT	09H -.73	15
102	34	DNT	09C -.41	15
104	34	DNT	09C .75	15
104	34	DNT	09H -.68	15
104	34	DNT	09H .38	15
104	34	DNT	09C -.36	15
7	35	DNG	04H 9.59	62
17	35	DNG	A16 1.34	13
55	35	DNG	02C 9.20	13
101	35	DNT	09H .53	13
101	35	DNT	09C .71	13
101	35	DNT	09C -.54	13
103	35	DNT	09H .39	13

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
103	35	DNT	07C -.59	13
103	35	DNT	09C .71	13
103	35	DNT	09C -.37	13
105	35	DNT	09C .68	13
105	35	DNT	09C -.43	13
102	36	DNT	09C .57	13
104	36	DNT	09C .67	13
106	36	DNT	09C .76	13
106	36	DNT	09H .47	13
106	36	DNT	09H -.78	13
106	36	DNT	09C -.28	13
103	37	DNT	09C .74	15
103	37	DNT	09C -.30	15
107	37	DNT	07C .22	15
107	37	DNT	09C -.41	15
107	37	DNT	09C .65	15
107	37	DNT	09H .38	15
107	37	DNT	09H -.68	15
107	37	DNT	07C -.78	15
20	38	DNG	01C 34.73	15
86	38	DNG	05H 20.26	15
104	38	DNT	09H .46	19
104	38	DNT	09C -.33	19
104	38	DNT	07C .16	19
106	38	DNT	07C .19	19
106	38	DNT	09C .70	19
106	38	DNT	09C -.38	19
106	38	DNT	07C -.78	19
108	38	DNT	09H .35	19
108	38	DNT	09C .71	19
108	38	DNT	09C -.38	19
108	38	DNT	07C .27	19
108	38	DNT	07C -.78	19
105	39	DNT	07C .47	13
105	39	DNT	09H .33	13
105	39	DNT	07C -.55	13
107	39	DNT	07C -.69	13
107	39	DNT	07C .52	13
107	39	DNT	09C -.42	13
107	39	DNT	09C .69	13
107	39	DNT	09C .67	13
107	39	DNT	09C -.39	13
107	39	DNT	07C .30	13
107	39	DNT	07C -.77	13

## Dents and Dings

IRSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
109	39	DNT	07C .44	13
109	39	DNT	09H .47	13
109	39	DNT	09H -.64	13
109	39	DNT	09C -.39	13
109	39	DNT	09C .62	13
109	39	DNT	07C -.66	13
106	40	DNT	07C .47	17
108	40	DNT	07C -.61	17
108	40	DNT	09H -.68	17
108	40	DNT	09C .62	17
108	40	DNT	07C .52	17
108	40	DNT	09C -.42	17
110	40	DNT	07C -.69	17
110	40	DNT	09C .68	17
101	41	DNT	07C .37	19
103	41	DNT	07C .22	19
105	41	DNT	07C .30	19
107	41	DNT	09C .74	19
107	41	DNT	07C -.67	19
107	41	DNT	09C -.43	19
107	41	DNT	07C .35	19
109	41	DNT	09H .27	19
109	41	DNT	09C -.46	19
109	41	DNT	07C -.70	19
109	41	DNT	07C .35	19
109	41	DNT	09C .73	19
111	41	DNT	09H .33	19
111	41	DNT	09C .68	19
111	41	DNT	07C -.78	19
111	41	DNT	07C .32	19
111	41	DNT	09C -.33	19
86	42	DNG	09H 4.69	19
108	42	DNT	09C -.35	19
108	42	DNT	09C .80	19
108	42	DNT	07C -.73	19
108	42	DNT	07C .24	19
110	42	DNT	09C -.38	19
110	42	DNT	09C .71	19
110	42	DNT	07C .30	19
112	42	DNT	07C .24	19
112	42	DNT	07C -.76	19
112	42	DNT	09C .65	19
112	42	DNT	09C -.38	19
53	43	DNG	09H 11.74	17

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
109	43	DNT	07C .55	17
109	43	DNT	07C -.67	17
111	43	DNT	07C .50	17
111	43	DNT	07C -.44	17
111	43	DNT	09C .70	17
111	43	DNG	08C 18.26	17
113	43	DNT	09C .65	17
113	43	DNT	09C -.42	17
113	43	DNT	07C .30	17
113	43	DNT	07C -.68	17
12	44	DNG	A16 4.93	17
106	44	DNT	07C -.50	17
108	44	DNT	07C .52	17
110	44	DNT	07C .50	17
112	44	DNT	09C .64	17
112	44	DNT	07C .47	17
114	44	DNT	07C .33	17
114	44	DNT	09C -.36	17
114	44	DNT	09C .67	17
114	44	DNT	08C -.80	17
114	44	DNT	07C -.74	17
85	45	DNG	02C 8.31	19
107	45	DNT	07C .43	19
109	45	DNT	07C .43	19
109	45	DNT	07C -.67	19
111	45	DNT	07C -.68	19
111	45	DNT	07C .38	19
111	45	DNT	08C .33	19
111	45	DNG	04C 25.87	19
113	45	DNT	09C .71	19
113	45	DNT	07C -.80	19
113	45	DNT	07C .32	19
113	45	DNT	09C -.44	19
115	45	DNT	09C .74	17
115	45	DNT	07C .30	17
62	46	DNG	TSC 4.66	27
108	46	DNT	08C .35	27
108	46	DNT	07C .40	27
110	46	DNT	07C .35	27
110	46	DNT	08C .30	27
112	46	DNT	07C .27	27
112	46	DNT	09C .73	27
112	46	DNT	08C .32	27
112	46	DNT	07C -.64	27



## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
114	46	DNT	09C -.43	27
114	46	DNT	09C .68	27
114	46	DNT	07C .43	27
116	46	DNT	09C .69	25
116	46	DNT	09C -.42	25
116	46	DNG	07C -.83	25
116	46	DNT	07C .28	25
13	47	DNG	A2 4.94	17
25	47	DNG	01C 15.01	17
83	47	DNG	03C 31.60	17
109	47	DNT	07C .47	17
111	47	DNT	07C .44	17
111	47	DNT	08C .42	17
113	47	DNT	07C -.58	17
113	47	DNT	07C .50	17
113	47	DNT	08C .45	17
115	47	DNT	07C -.74	17
115	47	DNT	07C .47	17
115	47	DNT	09C .70	17
115	47	DNT	08C .42	17
60	48	DNG	01C 37.59	25
110	48	DNT	07C .42	25
112	48	DNT	07C .28	25
112	48	DNT	08C .33	25
114	48	DNT	07C .33	25
116	48	DNT	09C .61	25
116	48	DNT	07C .44	25
116	48	DNT	07C -.64	25
5	49	DNG	02H 37.88	62
107	49	DNT	07C .40	27
109	49	DNT	08C .38	27
109	49	DNT	07C .30	27
111	49	DNT	08C .35	27
111	49	DNT	07C .40	27
113	49	DNT	08C .35	27
113	49	DNT	07C .43	27
115	49	DNT	08C .33	27
115	49	DNT	08C -.75	27
115	49	DNT	09C .68	27
115	49	DNT	09C -.35	27
115	49	DNT	07C .38	27
115	49	DNT	07C -.67	27
117	49	DNT	07C -.75	27
117	49	DNT	07C .32	27

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
117	49	DNT	08C -.75	27
117	49	DNT	08C .30	27
117	49	DNT	09C -.35	27
117	49	DNT	09C .71	27
58	50	DNG	03C 24.38	27
110	50	DNT	08C .38	27
110	50	DNT	07C .43	27
112	50	DNT	07C .43	27
112	50	DNT	08C .35	27
114	50	DNT	08C .35	27
114	50	DNT	07C .38	27
116	50	DNT	08C .27	27
116	50	DNT	07C .40	27
116	50	DNT	09C .73	27
116	50	DNT	09C -.41	27
116	50	DNT	07C -.70	27
118	50	DNT	08C -.73	27
118	50	DNT	09C .65	27
118	50	DNT	08C .30	27
118	50	DNT	07C .30	27
118	50	DNT	07C -.78	27
118	50	DNT	09C -.35	27
71	51	DNT	02C .68	25
79	51	DNG	TSC 17.87	25
81	51	DNT	A7 .00	25
81	51	DNG	A6 9.90	25
81	51	DNT	A7 .06	25
81	51	DNT	A8 .17	25
81	51	DNG	A10 -1.27	25
81	51	DNG	A9 -.75	25
107	51	DNG	02H 22.97	25
109	51	DNT	07C .52	25
111	51	DNT	08C .25	25
111	51	DNT	07C .53	25
113	51	DNT	07C .39	25
113	51	DNT	08C .22	25
115	51	DNT	07C -.74	25
115	51	DNT	08C .25	25
115	51	DNT	07C .28	25
117	51	DNT	07C .36	25
117	51	DNT	07C -.72	25
117	51	DNT	08C .19	25
119	51	DNG	08C -.89	25
119	51	DNG	07C -.88	25

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
119	51	DNT	09C .67	25
119	51	DNT	09C -.50	25
119	51	DNT	08C .19	25
119	51	DNT	07C .22	25
34	52	DNG	08H 26.11	25
90	52	DNG	01C 26.09	25
108	52	DNT	07C .49	25
110	52	DNT	07C .47	25
112	52	DNT	07C .30	25
114	52	DNT	07C .44	25
114	52	DNT	08C .22	25
116	52	DNT	08C .22	25
116	52	DNT	07C -.80	25
116	52	DNT	07C .25	25
118	52	DNT	07C .39	25
118	52	DNT	08C .17	25
118	52	DNT	07C -.66	25
120	52	DNT	07C .31	25
120	52	DNT	08C .17	25
120	52	DNT	09C -.47	25
120	52	DNT	09C .67	25
120	52	DNG	07C -.91	25
109	53	DNT	07C .43	31
111	53	DNT	08C .32	31
113	53	DNT	08C .38	31
113	53	DNT	07C .46	31
115	53	DNT	07C .40	31
115	53	DNT	08C .32	31
117	53	DNT	07C .38	31
117	53	DNT	08C .38	31
117	53	DNT	07C -.73	31
117	53	DNT	08C -.75	31
119	53	DNT	09C -.38	31
119	53	DNT	08C .27	31
119	53	DNT	07C -.70	31
119	53	DNT	07C .38	31
119	53	DNT	09C .73	31
98	54	DNG	03C 36.13	25
98	54	DNG	08C 30.62	31
110	54	DNT	07C .51	31
112	54	DNT	08C .38	31
112	54	DNT	07C .40	31
114	54	DNT	07C .38	31
114	54	DNT	08C .38	31

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
116	54	DNT	07C .40	31
116	54	DNT	07C -.62	31
116	54	DNT	08C .22	31
118	54	DNT	09C -.43	31
118	54	DNT	07C -.75	31
118	54	DNT	07C .32	31
118	54	DNT	08C .38	31
118	54	DNT	09C .68	31
120	54	DNT	09C .68	31
120	54	DNT	08C .27	31
120	54	DNT	07C .32	31
120	54	DNT	07C -.78	31
120	54	DNT	09C -.38	31
9	55	DNG	05H 32.29	68
9	55	DNG	05H 31.70	68
9	55	DNG	04H 22.30	68
11	55	DNG	03H 6.48	59
33	55	DNG	02H 2.74	29
111	55	DNT	07C .41	29
113	55	DNT	08C .28	29
113	55	DNT	07C .47	29
115	55	DNT	08C .33	29
115	55	DNT	07C .28	29
117	55	DNT	08C .36	29
117	55	DNT	07C -.55	29
117	55	DNT	07C .39	29
119	55	DNT	07C .33	29
119	55	DNT	08C .39	29
119	55	DNT	07C -.72	29
121	55	DNT	09C -.47	29
121	55	DNT	07C -.77	29
121	55	DNT	09C .58	29
121	55	DNG	08C -.83	29
121	55	DNT	07C .14	29
121	55	DNT	08C .19	29
110	56	DNT	08C .33	29
110	56	DNT	07C .33	29
112	56	DNT	07C .52	29
114	56	DNT	08C .28	29
114	56	DNT	07C .44	29
116	56	DNT	08C .39	29
116	56	DNT	07C .42	29
116	56	DNT	07C -.63	29
118	56	DNT	07C -.69	29

## Dents and Dings

IRSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
118	56	DNT	07C .36	29
118	56	DNT	08C .39	29
120	56	DNT	09C -.47	29
120	56	DNT	08C .33	29
120	56	DNT	07C .25	29
120	56	DNT	09C .55	29
120	56	DNT	07C -.75	29
122	56	DNT	09C .64	29
122	56	DNG	07C -.83	29
122	56	DNT	09C -.47	29
122	56	DNT	08C .17	29
122	56	DNT	07C .17	29
122	56	DNG	08C -.86	29
113	57	DNT	07C .32	35
115	57	DNT	07C -.75	35
115	57	DNT	07C .35	35
115	57	DNT	08C .32	35
117	57	DNT	07C -.67	35
117	57	DNT	07C .38	35
117	57	DNT	08C .30	35
119	57	DNT	07C -.64	35
119	57	DNT	08C .35	35
119	57	DNT	07C .46	35
121	57	DNT	09C .65	35
121	57	DNT	07C -.65	35
121	57	DNT	07C .40	35
121	57	DNT	08C .32	35
121	57	DNT	09C -.27	35
64	58	DNG	05H 7.34	35
72	58	DNG	03C -1.15	35
72	58	DNG	03C 2.47	35
112	58	DNT	07C .40	35
114	58	DNT	07C .48	35
116	58	DNT	07C .40	35
116	58	DNT	08C .24	35
118	58	DNT	08C .35	35
118	58	DNT	07C .46	35
118	58	DNT	07C -.70	35
120	58	DNT	07C -.64	35
120	58	DNT	07C .35	35
120	58	DNT	08C .35	35
122	58	DNT	08C .32	35
122	58	DNG	A14 9.85	35
122	58	DNT	07C -.70	35

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
122	58	DNT	09C -.30	35
122	58	DNT	07C .35	35
122	58	DNT	09C .65	35
7	59	DNG	08H 16.22	56
23	59	DNG	TSC 18.56	29
111	59	DNT	07C .50	33
113	59	DNT	08C .47	33
113	59	DNT	07C .44	33
115	59	DNT	08C .30	33
115	59	DNT	07C .47	33
117	59	DNT	07C .49	33
117	59	DNT	08C .33	33
119	59	DNT	08C .36	33
119	59	DNT	08C -.78	33
119	59	DNT	07C -.58	33
119	59	DNT	07C .33	33
121	59	DNT	08C .33	33
121	59	DNT	07C -.66	33
121	59	DNT	08C -.69	33
121	59	DNT	09C -.50	33
121	59	DNT	09C .61	33
121	59	DNT	07C .33	33
123	59	DNT	09C -.36	33
123	59	DNT	08C .14	33
123	59	DNT	07C .25	33
123	59	DNT	07C -.77	33
62	60	DNG	A12 9.13	33
114	60	DNT	08C .36	33
114	60	DNT	07C .44	33
116	60	DNT	07C .39	33
116	60	DNT	08C .22	33
118	60	DNT	07C .39	33
118	60	DNT	08C .39	33
120	60	DNT	07C -.64	33
120	60	DNT	07C .36	33
120	60	DNT	08C .28	33
122	60	DNT	09C .55	33
122	60	DNT	09C -.47	33
122	60	DNT	08C .30	33
122	60	DNT	07C -.66	33
122	60	DNT	07C .33	33
122	60	DNT	08C -.72	33
124	60	DNT	09C .58	33
124	60	DNG	07C -.83	33

## Dents and Dings

IRSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
124	60	DNT	07C .11	33
124	60	DNG	08C -.83	33
124	60	DNT	08C .17	33
124	60	DNT	09C -.44	33
113	61	DNT	07C .27	39
115	61	DNT	07C .38	39
115	61	DNT	08C .33	39
117	61	DNT	08C .30	39
117	61	DNT	07C -.64	39
117	61	DNT	07C .27	39
119	61	DNT	07C .27	39
119	61	DNT	08C .30	39
121	61	DNT	08C .27	59
121	61	DNG	07C -.85	59
121	61	DNT	07C .27	59
121	61	DNG	08C -.82	59
121	61	DNT	09C .67	59
121	61	DNT	09C -.48	59
123	61	DNT	09C -.43	59
123	61	DNT	09C .64	59
123	61	DNT	07C .29	59
123	61	DNT	A14 .00	59
123	61	DNT	08C -.74	59
123	61	DNT	07C -.77	59
54	62	DNG	09H 12.17	39
54	62	DNG	09H 9.54	39
86	62	DNG	07C 14.11	39
112	62	DNT	07C .43	39
114	62	DNT	08C .35	39
114	62	DNT	07C .35	39
116	62	DNT	08C .30	39
116	62	DNT	07C .32	39
118	62	DNT	08C .30	39
118	62	DNT	07C -.67	39
118	62	DNT	07C .38	39
120	62	DNT	07C .38	39
120	62	DNT	08C .30	39
122	62	DNT	09C -.38	39
122	62	DNT	09C .74	39
122	62	DNT	08C .27	39
122	62	DNT	07C .30	39
122	62	DNT	08C -.76	39
122	62	DNT	07C -.73	39
124	62	DNT	09C -.39	37

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
124	62	DNT	07C -.61	37
124	62	DNT	07C .47	37
124	62	DNT	09C .67	37
124	62	DNT	08C .28	37
124	62	DNT	08C -.77	37
77	63	DNG	A7 3.46	37
113	63	DNT	07C .58	37
115	63	DNT	07C .33	37
115	63	DNT	08C .61	37
117	63	DNT	07C .47	37
117	63	DNT	08C .30	37
119	63	DNT	07C -.66	37
119	63	DNT	08C -.79	37
119	63	DNT	08C .39	37
119	63	DNT	07C .47	37
121	63	DNT	08C .47	37
121	63	DNT	07C -.61	37
121	63	DNT	07C .58	37
121	63	DNT	08C -.66	37
123	63	DNT	09C -.39	37
123	63	DNT	08C -.77	37
123	63	DNT	09C .69	37
123	63	DNT	08C .33	37
123	63	DNT	07C .19	37
123	63	DNT	07C -.69	37
125	63	DNT	07C .39	37
125	63	DNT	08C -.80	37
125	63	DNT	08C .33	37
125	63	DNT	09C .69	37
125	63	DNT	09C -.36	37
125	63	DNT	07C -.74	37
48	64	DNG	02C 17.36	37
96	64	DNG	A8 3.83	37
114	64	DNT	08C .33	37
116	64	DNT	07C .50	37
116	64	DNT	08C .47	37
118	64	DNT	07C .47	37
118	64	DNT	08C .31	37
120	64	DNT	08C .25	37
120	64	DNT	07C .47	37
122	64	DNT	07C -.64	37
122	64	DNT	07C .53	37
122	64	DNT	08C .47	37
122	64	DNT	09C .75	37



## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
122	64	DNT	09C -.39	37
124	64	DNT	09C -.39	37
124	64	DNT	09C .75	37
124	64	DNT	A14 .00	37
124	64	DNT	07C .33	37
124	64	DNT	07C -.77	37
124	64	DNT	08C -.78	37
124	64	DNT	08C .31	37
3	65	DNG	03C 22.65	56
17	65	DNG	A16 3.22	39
115	65	DNT	08C .38	45
115	65	DNT	07C .46	45
117	65	DNT	08C .30	45
117	65	DNT	07C .38	45
119	65	DNT	07C .35	45
119	65	DNT	08C .33	45
121	65	DNT	07C -.75	45
121	65	DNT	07C .32	45
121	65	DNT	08C -.75	45
121	65	DNT	08C .35	45
123	65	DNT	08C -.78	45
123	65	DNT	09C -.44	45
123	65	DNT	08C .27	45
123	65	DNT	07C -.70	45
123	65	DNT	07C .32	45
125	65	DNT	07C .30	41
125	65	DNT	08C -.80	41
125	65	DNT	09C -.36	41
125	65	DNT	09C .70	41
125	65	DNT	07C -.72	41
125	65	DNT	08C .25	41
70	66	DNG	06H 16.23	49
114	66	DNG	A14 7.56	45
114	66	DNT	07C .32	45
114	66	DNG	A2 14.78	45
116	66	DNT	08C .27	45
116	66	DNT	07C .38	45
118	66	DNT	08C .35	45
118	66	DNT	07C .35	45
120	66	DNT	08C .27	45
120	66	DNT	07C .32	45
122	66	DNT	08C .19	45
122	66	DNT	07C .32	45
124	66	DNT	07C -.75	45

## Dents and Dings

IRSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
124	66	DNT	08C .27	45
124	66	DNT	08C -.78	45
124	66	DNT	07C .24	45
126	66	DNT	07C -.80	41
126	66	DNT	07C .36	41
126	66	DNT	08C -.73	41
126	66	DNT	08C .25	41
126	66	DNT	09C -.42	41
126	66	DNT	09C .72	41
65	67	DNG	09H 7.31	37
65	67	DNG	09H 15.07	37
65	67	DNG	09H 12.51	37
65	67	DNG	09H 11.20	37
65	67	DNG	09H 8.59	37
65	67	DNG	09H 9.92	37
87	67	DNT	A12 .31	37
115	67	DNT	07C .36	41
117	67	DNT	07C .36	41
117	67	DNT	08C .33	41
119	67	DNT	07C .33	41
119	67	DNT	08C .28	41
121	67	DNT	07C .33	41
121	67	DNT	08C .28	41
123	67	DNT	08C .28	41
123	67	DNT	07C .28	41
123	67	DNT	07C -.66	41
123	67	DNT	08C -.80	41
125	67	DNG	A12 21.36	41
125	67	DNT	09C -.69	41
125	67	DNT	08C .36	41
125	67	DNT	07C .33	41
125	67	DNT	07C -.80	41
125	67	DNT	08C -.77	41
40	68	DNG	08H 29.27	47
54	68	DNG	A2 11.50	47
114	68	DNT	07C .39	41
118	68	DNT	07C .28	41
118	68	DNT	08C .36	41
120	68	DNT	08C .39	41
120	68	DNT	07C .39	41
122	68	DNT	07C .39	41
122	68	DNT	09C -.42	41
122	68	DNT	08C .28	41
124	68	DNT	08C -.77	41

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
124	68	DNT	07C -.72	41
124	68	DNT	07C .41	41
124	68	DNT	08C .25	41
126	68	DNT	08C .17	41
126	68	DNT	09C -.28	41
126	68	DNT	08C -.77	41
126	68	DNT	09C .64	41
126	68	DNT	07C .28	41
126	68	DNT	07C -.77	41
9	69	DNG	A2 -.81	27
85	69	DNG	A4 8.91	49
85	69	DNG	A4 6.32	49
115	69	DNT	07C .38	49
117	69	DNT	08C .35	49
117	69	DNT	07C .27	49
119	69	DNT	08C .27	49
119	69	DNT	07C .32	49
121	69	DNT	08C .35	49
121	69	DNT	07C .27	49
123	69	DNT	08C .24	49
123	69	DNT	07C .32	49
123	69	DNT	07C -.78	49
125	69	DNG	08C -.86	49
125	69	DNT	09H .16	49
125	69	DNT	09C -.41	49
125	69	DNT	08C .25	49
125	69	DNT	07C .35	49
125	69	DNT	07C -.75	49
127	69	DNT	07C -.77	47
127	69	DNT	08C .25	47
127	69	DNT	09C -.30	47
127	69	DNT	09C .78	47
127	69	DNT	07C .36	47
127	69	DNG	02C 36.12	47
52	70	DNG	A11 13.91	49
52	70	DNG	A6 1.61	49
52	70	DNG	A6 4.15	49
52	70	DNG	A11 10.09	49
52	70	DNT	A11 .00	49
52	70	DNG	A11 12.64	49
118	70	DNT	08C .35	49
118	70	DNT	07C .35	49
120	70	DNT	08C .25	49
120	70	DNT	07C .27	49

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
122	70	DNT	08C .24	49
122	70	DNT	07C .30	49
124	70	DNT	08C .22	49
124	70	DNT	07C .32	49
124	70	DNT	07C -.75	49
126	70	DNT	09C .64	47
126	70	DNT	08C -.80	47
126	70	DNG	07C -.88	47
126	70	DNT	09H .14	47
126	70	DNT	09C -.39	47
126	70	DNT	08C .22	47
126	70	DNT	07C .39	47
107	71	DNG	04C 18.21	47
113	71	DNG	08C 20.58	47
117	71	DNT	08C .28	47
119	71	DNT	08C .33	47
119	71	DNT	07C .39	47
121	71	DNT	08C .25	47
121	71	DNT	07C .44	47
123	71	DNT	08C .11	47
123	71	DNT	07C .33	47
125	71	DNT	07C .50	47
125	71	DNT	07C -.74	47
125	71	DNT	08C .36	47
125	71	DNT	08C -.74	47
127	71	DNT	07C .28	47
127	71	DNT	07C -.77	47
127	71	DNT	08C .14	47
127	71	DNT	09C -.42	47
127	71	DNT	09C .67	47
118	72	DNT	08C .28	47
118	72	DNT	07C .28	47
120	72	DNT	07C .39	47
120	72	DNT	08C .44	47
122	72	DNT	07C .39	47
122	72	DNT	08C .25	47
124	72	DNT	07C .44	47
124	72	DNT	08C .25	47
126	72	DNT	09C .64	47
126	72	DNT	07C .30	47
126	72	DNT	09H -.74	47
126	72	DNT	09C -.36	47
126	72	DNT	08C .25	47
126	72	DNT	09H .22	47

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
126	72	DNT	07C -.77	47
55	73	DNG	07C 24.55	53
81	73	DNG	A10 5.29	53
81	73	DNG	A10 10.45	53
121	73	DNT	07C .29	53
121	73	DNT	08C .33	53
123	73	DNT	08C .33	53
123	73	DNT	07C .30	53
125	73	DNT	07C .22	53
125	73	DNT	08C .22	53
125	73	DNT	09C -.41	53
127	73	DNT	09C -.48	53
127	73	DNT	07C -.69	53
127	73	DNT	09C .54	53
127	73	DNT	08C .24	53
127	73	DNT	07C .32	53
22	74	DNG	09H 3.85	53
122	74	DNT	07C .30	53
122	74	DNT	08C .33	53
124	74	DNT	08C .30	53
124	74	DNT	07C .30	53
126	74	DNT	A14 .00	51
126	74	DNT	09C .52	51
126	74	DNT	08C .17	51
126	74	DNG	A12 21.27	51
126	74	DNT	07C .19	51
126	74	DNT	07C -.80	51
119	75	DNT	07C .38	51
123	75	DNT	07C .30	51
123	75	DNT	08C .28	51
125	75	DNT	07C .27	51
125	75	DNT	08C .22	51
127	75	DNT	09C .53	51
127	75	DNT	09C -.55	51
127	75	DNT	07C .22	51
127	75	DNT	08C .08	51
72	76	DNG	01H 33.57	51
120	76	DNT	08C .30	51
124	76	DNT	08C .22	51
124	76	DNT	07C .30	51
126	76	DNT	08C .08	51
126	76	DNT	09C .55	51
126	76	DNT	A13 -.11	51
126	76	DNT	07C .16	51

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
97	77	DNG	FBC 13.20	53
123	77	DNT	07C .33	51
125	77	DNT	07C .27	53
125	77	DNT	08C .27	53
127	77	DNT	08C .22	53
127	77	DNT	07C .24	53
82	78	DNG	A15 10.87	6
90	78	DNG	02C 11.36	6
120	78	DNT	07C .33	6
126	78	DNG	A12 20.95	6
126	78	DNT	08C .30	6
126	78	DNT	A2 .00	6
3	79	DNG	TSH 5.59	63
125	79	DNT	09C .63	4
125	79	DNT	07C .30	4
127	79	DNT	08C .19	4
28	80	DNG	05H 37.78	6
126	80	DNT	A14 -.46	6
126	80	DNT	09C .68	6
126	80	DNG	A12 20.80	6
126	80	DNT	08C .27	6
111	81	DNG	09H 9.23	6
125	81	DNT	07C .44	6
125	81	DNT	09C .55	6
127	81	DNT	09C .71	6
127	81	DNT	09C -.46	6
127	81	DNT	08C .30	6
127	81	DNT	07C .38	6
44	82	DNG	01H 35.63	6
44	82	DNG	A12 2.69	6
54	82	DNG	A3 -1.36	6
126	82	DNT	09C .69	4
13	83	DNG	TSH 29.67	8
59	83	DNG	08H 28.78	8
61	83	DNT	A5 .00	8
71	83	DNG	03H 34.51	8
101	83	DNG	A12 7.40	6
125	83	DNT	07C .30	8
125	83	DNT	09C .68	8
125	83	DNT	09C -.44	8
127	83	DNT	09C -.44	8
127	83	DNT	08C .19	8
127	83	DNT	09C .63	8
124	84	DNT	07C .30	8

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
126	84	DNT	09C .65	8
123	85	DNT	07C .39	10
125	85	DNT	07C .27	10
125	85	DNT	09C -.33	10
125	85	DNT	09C .52	10
127	85	DNT	09C .63	8
127	85	DNT	09C -.44	8
92	86	DNG	03H 13.93	10
112	86	DNG	06H 5.70	10
41	87	DNG	05H 9.25	8
123	87	DNT	09C -.38	10
123	87	DNT	09C .55	10
125	87	DNT	09C .52	10
125	87	DNT	09C -.55	10
125	87	DNT	07C .30	10
127	87	DNT	09C .60	10
127	87	DNT	09C -.44	10
16	88	DNG	01H 19.26	12
58	88	DNG	TSH 13.25	12
124	88	DNT	09C -.44	12
124	88	DNT	09C .65	12
126	88	DNT	09C .63	8
126	88	DNT	09C -.41	8
53	89	DNG	01C 37.55	10
123	89	DNT	09C .63	8
125	89	DNT	09C -.41	8
125	89	DNT	09C .63	8
12	90	DNG	05H 15.94	14
124	90	DNT	09C .63	14
124	90	DNT	09C -.41	14
126	90	DNT	09C .63	12
126	90	DNT	09C -.44	12
123	91	DNT	09C .55	10
123	91	DNT	09C -.38	10
125	91	DNT	09C .60	8
125	91	DNT	09C -.44	8
2	92	DNG	03H 5.91	63
38	92	DNG	03H 15.08	12
124	92	DNT	09C -.41	12
124	92	DNT	09C .65	12
29	93	DNG	05H 31.23	14
121	93	DNT	09C .74	14
123	93	DNT	09C -.36	14
125	93	DNT	09C -.41	12

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
125	93	DNT	09C .68	12
64	94	DNG	01C 35.22	14
82	94	DNG	06H -.92	14
98	94	DNG	06H 15.06	14
124	94	DNT	09C -.41	12
124	94	DNT	09C .66	12
13	95	DNG	06H 17.11	12
37	95	DNG	03C 20.92	12
39	95	DNG	01H 14.44	12
63	95	DNG	04H 3.79	12
85	95	DNG	02H 34.00	16
121	95	DNT	09C .65	16
123	95	DNT	09C -.44	16
123	95	DNT	09C .65	16
28	96	DNG	03H 8.15	16
82	96	DNG	05C 33.20	16
122	96	DNT	09C -.41	16
124	96	DNT	09C .71	16
124	96	DNT	09C -.41	16
113	97	DNG	09H 1.46	18
113	97	DNG	09H -1.81	18
113	97	DNT	09H .38	18
117	97	DNG	A4 14.67	18
117	97	DNG	A12 13.82	18
117	97	DNG	A4 9.48	18
119	97	DNG	04H 23.54	18
123	97	DNT	09C -.36	16
123	97	DNT	09C .66	16
56	98	DNG	02H 8.29	18
122	98	DNT	09C -.36	18
122	98	DNT	09C .72	18
69	99	DNG	01H 6.21	16
93	99	DNG	06C 24.91	16
121	99	DNT	09C -.44	16
121	101	DNT	09C -.44	16
84	102	DNG	08H 12.92	18
98	102	DNG	06H 11.27	18
89	103	DNG	02C 14.49	20
89	103	DNT	03C -.11	20
68	104	DNT	08C .79	24
17	105	DNG	A16 1.65	22
49	105	DNG	A16 -1.92	22
77	105	DNG	06C 14.50	22
105	105	DNG	03C 21.45	22



## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
105	105	DNG	03H 23.69	22
107	105	DNG	02C 23.73	22
119	105	DNT	09C -.41	20
119	105	DNT	09C .65	20
118	106	DNT	09C -.36	22
118	106	DNT	09C .68	22
31	107	DNG	07C 25.46	24
117	107	DNT	09C .63	24
117	107	DNT	09C -.41	24
90	108	DNG	05C 20.51	24
116	108	DNT	09C .65	24
116	108	DNT	09C -.35	24
15	109	DNG	A16 2.13	26
93	109	DNG	03H 2.34	26
116	110	DNT	09C .65	24
116	110	DNT	09C -.38	24
89	111	DNG	A7 .87	32
115	111	DNT	09C .57	32
115	111	DNT	09C -.41	32
90	112	DNG	FBC 4.37	32
114	112	DNT	09C -.38	32
114	112	DNT	09C .63	32
113	113	DNT	09C -.24	34
113	113	DNT	09C .68	34
8	114	DNG	A16 .66	34
112	114	DNT	09C -.35	34
112	114	DNT	09C .65	34
1	115	DNT	09H .25	63
1	115	DNT	09H -.61	63
33	115	DNG	08C 30.20	32
93	115	DNG	03C 21.79	32
111	115	DNT	09C -.41	32
56	116	DNG	02H 21.89	32
110	116	DNT	09C -.41	32
15	117	DNG	A16 1.89	34
90	118	DNG	01C 31.88	34
56	120	DNG	05C 5.09	36
90	120	DNG	02H 36.24	36
106	120	DNT	09C .65	36
106	120	DNT	09C -.38	36
103	121	DNT	09C .68	38
105	121	DNT	09C -.41	38
105	121	DNT	09C .60	38
84	122	DNT	02C -.62	38

## Dents and Dings

1RSG 12271

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
104	122	DNT	09C .46	38
57	123	DNG	A15 4.09	36
101	123	DNT	09C .62	36
74	124	DNG	01H 35.47	36
100	124	DNT	09C .68	36
57	125	DNG	A14 5.96	38
99	125	DNT	09C .65	38
14	126	DNT	A15 .45	38
86	126	DNG	A7 5.58	38
98	126	DNT	09C -.27	38
25	127	DNG	TSH 12.22	40
57	127	DNG	A14 5.01	40
71	127	DNG	A13 .92	40
77	127	DNG	A13 1.58	40
96	128	DNT	09C -.41	40
96	128	DNT	09C .68	40
17	129	DNG	09H 6.32	42
47	129	DNG	05C 32.72	42
57	129	DNG	A14 5.42	42
93	129	DNT	09C .57	42
82	130	DNG	A2 1.63	42
57	131	DNG	A14 6.05	40
89	131	DNT	09C .68	40
91	131	DNT	09C .68	40
76	132	DNG	02H 2.73	40
29	133	DNG	A4 5.37	42
57	133	DNG	A14 7.31	42
54	134	DNG	A2 13.10	42
86	134	DNT	09C .76	42
57	135	DNG	A14 7.98	40
26	136	DNG	09C -1.75	40
26	136	DNT	09C -.69	40
66	138	DNG	05C 19.72	46
66	140	DNG	08H -1.20	44
69	141	DNT	09H -.36	46
62	144	DNG	TSH 2.09	46
62	144	DNG	TSH 1.02	46
35	145	DNG	04H 37.25	46
57	145	DNT	03H .22	46
59	145	DNG	TSH 5.91	46
56	146	DNT	A15 .03	46
45	149	DNG	TSH 4.23	46
45	149	DNG	TSH 5.32	46

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
12	4	DNG	09H 22.77	3
12	4	DNG	07H 20.47	3
16	6	DNG	09H 3.69	1
7	7	DNG	07C 9.07	65
11	7	DNG	A16 -.64	3
10	8	DNG	A15 2.12	3
10	8	DNT	A16 .00	3
12	8	DNG	A15 2.13	3
14	8	DNG	A15 -.96	3
24	8	DNG	03H 17.86	3
3	9	DNG	A1 1.00	73
15	9	DNG	03H 8.10	1
14	10	DNG	01H 35.68	1
3	11	DNG	A1 .92	73
21	11	DNG	04H 28.30	3
31	11	DNG	02H 7.09	3
2	12	DNG	03H 2.91	75
2	12	DNG	04C 30.71	90
6	12	DNG	03H 26.92	3
3	13	DNG	A1 .81	73
5	13	DNG	07C 8.75	5
51	13	DNG	A1 -1.45	1
10	14	DNG	03H 4.30	1
6	16	DNG	07H 8.69	61
24	16	DNG	01H 33.10	7
1	17	DNG	A1 3.92	75
3	17	DNG	A1 .73	73
13	17	DNG	08H 37.55	5
33	17	DNG	08C 29.47	5
43	17	DNG	03C 11.05	5
63	17	DNG	03C 24.11	5
4	18	DNG	03H 2.10	63
18	18	DNG	03H 8.92	5
59	19	DNG	03C 22.88	7
3	21	DNG	A1 .72	73
43	21	DNT	A15 -.25	5
45	21	DNG	05C 31.56	5
61	21	DNG	08H 34.08	5
61	21	DNG	08H 35.14	5
2	22	DNG	08C 11.43	88
2	22	DNG	07C 29.90	88
12	22	DNG	04C 10.75	5
1	23	DNT	A1 -.26	75
3	23	DNG	A1 1.05	73
9	23	DNG	03H 11.06	103

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
23	23	DNG	02H 33.87	11
22	24	DNG	07C 23.30	11
3	25	DNG	A1 1.13	73
3	25	DNG	07C 8.85	88
1	27	DNT	A1 -.03	75
47	27	DNG	TSC 3.41	11
66	28	DNG	08H 24.88	11
72	28	DNG	08H 29.41	11
94	28	DNT	07C -.55	11
3	29	DNG	A1 .99	73
97	29	DNT	07C -.28	9
96	30	DNT	07C .45	9
96	30	DNT	07C -.70	9
98	30	DNT	07C -.67	9
3	31	DNG	A1 1.07	73
53	31	DNG	03C 17.61	15
99	31	DNT	07C -.54	15
22	32	DNG	07C 21.34	15
52	32	DNG	08H 22.17	15
82	32	DNG	03H 10.15	15
96	32	DNT	08C -.68	15
98	32	DNT	08C -.68	15
98	32	DNT	07C -.52	15
100	32	DNT	08C -.71	15
100	32	DNT	07C -.68	15
49	33	DNG	03C 15.24	13
57	33	DNG	07C 21.16	13
97	33	DNT	08C -.71	13
99	33	DNT	07C -.36	13
101	33	DNT	08C -.72	13
101	33	DNT	07C -.72	13
101	33	DNT	08C .48	13
58	34	DNT	A13 .00	13
94	34	DNT	08C -.64	13
98	34	DNT	08C -.76	13
100	34	DNT	07C .44	13
100	34	DNG	09H 14.97	13
100	34	DNT	07C -.68	13
100	34	DNT	08C -.62	13
102	34	DNT	08C .47	13
102	34	DNT	07C -.69	13
102	34	DNT	08C -.70	13
104	34	DNT	07C .36	13
104	34	DNT	08C .48	13
104	34	DNT	07C -.77	13

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
104	34	DNT	08C -.69	13
3	35	DNG	A1 1.73	73
95	35	DNT	08C -.68	19
99	35	DNT	08C -.76	19
101	35	DNT	07C -.60	19
101	35	DNT	07C .49	19
101	35	DNT	08C -.65	19
103	35	DNT	08C .75	19
103	35	DNT	08C -.46	19
103	35	DNT	07C .54	19
103	35	DNT	08C -.70	19
105	35	DNT	08C .36	19
105	35	DNT	07C .54	19
105	35	DNT	07C -.57	19
105	35	DNT	08C -.70	19
18	36	DNG	02C 36.63	19
52	36	DNG	07C 22.43	19
64	36	DNG	02C 35.75	19
98	36	DNG	07H 37.78	19
98	36	DNT	08C .34	19
98	36	DNT	08C -.71	19
100	36	DNT	07C .54	19
100	36	DNT	08C -.70	19
100	36	DNT	08C .34	19
100	36	DNT	07C -.47	19
102	36	DNT	07C .54	19
102	36	DNT	08C .47	19
102	36	DNT	07C -.54	19
102	36	DNT	08C -.53	19
104	36	DNT	06C -.71	19
104	36	DNT	07C .33	19
104	36	DNT	07C -.71	19
104	36	DNT	08C -.55	19
104	36	DNT	08C .55	19
106	36	DNT	08C .25	19
106	36	DNT	08C -.76	19
106	36	DNT	07C .54	19
106	36	DNT	06C -.49	19
106	36	DNT	07C -.62	19
27	37	DNG	A5 1.16	13
101	37	DNT	08C -.59	17
103	37	DNT	07C -.58	17
103	37	DNT	08C -.65	17
103	37	DNT	08C .56	17
103	37	DNT	07C .55	17

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
105	37	DNT	07C -.58	17
105	37	DNT	08C -.74	17
105	37	DNT	07C .47	17
107	37	DNT	08C -.66	17
107	37	DNT	07C .39	17
107	37	DNT	07C -.69	17
107	37	DNT	08C .48	17
16	38	DNG	A16 5.78	17
34	38	DNG	07C 33.46	17
80	38	DNG	03H 24.11	17
90	38	DNG	03H 18.26	17
102	38	DNT	08C -.80	17
104	38	DNT	08C .53	17
104	38	DNT	08C -.71	17
106	38	DNT	07C -.77	17
106	38	DNT	07C .47	17
106	38	DNT	08C -.62	17
108	38	DNT	06C -.66	17
108	38	DNT	07C -.69	17
108	38	DNT	08C .50	17
108	38	DNT	08C -.62	17
108	38	DNT	07C .42	17
39	39	DNG	01H 31.92	19
61	39	DNG	08H 21.17	19
63	39	DNG	06H 7.22	19
103	39	DNT	08C -.62	17
105	39	DNT	08C -.67	17
107	39	DNT	07C .52	17
107	39	DNT	08C -.67	17
107	39	DNT	07C -.61	17
109	39	DNT	08C .46	19
109	39	DNT	08C -.71	19
109	39	DNT	07C .43	19
109	39	DNT	07C -.63	19
109	39	DNT	06C -.55	19
16	40	DNG	09H 2.94	19
16	40	DNG	A3 9.44	19
24	40	DNG	07C 16.74	19
70	40	DNG	03H 16.22	19
104	40	DNT	08C .46	19
104	40	DNT	08C -.51	19
106	40	DNT	08C .68	17
106	40	DNT	08C -.67	17
108	40	DNT	07C .46	19
108	40	DNT	08C .42	19

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
108	40	DNT	07C -.62	19
108	40	DNT	06C -.60	19
108	40	DNT	08C -.70	19
110	40	DNT	08C .39	19
110	40	DNT	08C -.71	19
110	40	DNT	06C -.65	19
110	40	DNT	07C .41	19
110	40	DNT	07C -.60	19
37	41	DNG	02H 28.73	17
69	41	DNG	04C 22.34	17
89	41	DNT	08H .58	17
91	41	DNG	FBC 10.60	17
105	41	DNT	08C -.67	17
107	41	DNT	08C -.61	17
107	41	DNT	08C .59	17
109	41	DNT	07C -.38	17
109	41	DNT	08C -.67	17
109	41	DNT	08C .52	17
109	41	DNT	07C .55	17
111	41	DNT	07C -.63	17
111	41	DNT	08C -.76	17
111	41	DNT	08C .41	17
111	41	DNT	06C -.60	17
102	42	DNG	03H 21.08	17
106	42	DNT	08C -.68	17
106	42	DNT	08C .59	17
108	42	DNT	08C -.73	17
108	42	DNT	08C .53	17
110	42	DNT	08C .47	17
110	42	DNT	08C -.73	17
110	42	DNT	07C -.66	17
112	42	DNT	08C .50	17
112	42	DNT	08C -.73	17
112	42	DNT	07C -.66	17
33	43	DNG	A16 .80	23
109	43	DNT	08C .47	23
109	43	DNT	08C -.70	23
111	43	DNT	07C -.59	23
111	43	DNT	08C .41	23
111	43	DNT	07C .48	23
111	43	DNT	08C -.75	23
113	43	DNT	08C .44	23
113	43	DNT	08C -.70	23
113	43	DNT	07C .51	23
113	43	DNT	07C -.65	23

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
96	44	DNG	03H 20.85	23
106	44	DNT	08C .47	23
108	44	DNT	08C .42	23
110	44	DNT	08C -.65	23
110	44	DNT	08C .44	23
112	44	DNT	08C .47	23
112	44	DNT	07C .46	23
112	44	DNT	08C -.65	23
114	44	DNT	08C .44	23
114	44	DNT	08C -.75	23
114	44	DNT	07C .40	23
114	44	DNT	07C -.64	23
23	45	DNG	09H 6.07	17
37	45	DNG	02H 18.17	21
41	45	DNG	01H 7.57	21
45	45	DNG	03C 10.98	21
59	45	DNG	09H 6.16	21
111	45	DNT	08C -.68	21
111	45	DNT	08C .48	21
113	45	DNT	08C -.63	21
113	45	DNT	07C .49	21
113	45	DNT	08C .53	21
115	45	DNT	08C .42	21
115	45	DNT	07C -.63	21
115	45	DNT	08C -.69	21
6	46	DNG	07C 17.69	63
86	46	DNG	07C 36.78	21
108	46	DNT	08C .51	21
110	46	DNT	08C -.65	21
110	46	DNT	08C .48	21
112	46	DNT	08H .14	21
112	46	DNT	08C -.71	21
112	46	DNT	08C .56	21
112	46	DNG	08H -1.02	21
114	46	DNT	07C .49	21
114	46	DNT	08C .55	21
114	46	DNT	08C -.73	21
114	46	DNG	08H -1.00	21
116	46	DNT	08C -.63	21
116	46	DNT	07C -.65	21
116	46	DNT	07C .57	21
116	46	DNT	08C .44	21
23	47	DNG	08C 32.10	27
51	47	DNG	03C 12.18	27
109	47	DNT	08C .56	27



## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
111	47	DNT	08C .48	27
111	47	DNT	07C .40	27
111	47	DNG	FBC 4.86	27
113	47	DNT	08C -.73	27
113	47	DNT	07C .51	27
113	47	DNT	08C .42	27
115	47	DNT	08H .05	27
115	47	DNT	08C .42	27
115	47	DNT	08C -.73	27
115	47	DNT	07C .48	27
88	48	DNG	07C 25.78	31
106	48	DNG	08H -.92	31
110	48	DNT	08C .42	31
112	48	DNT	07C .40	31
114	48	DNT	08C .44	31
114	48	DNT	08C -.70	31
116	48	DNT	08H .22	31
116	48	DNT	08C .53	31
116	48	DNT	08C -.58	31
116	48	DNT	07C .43	31
116	48	DNG	08H -.84	31
15	49	DNG	A16 2.15	25
17	49	DNG	08H 6.68	21
75	49	DNG	03C 20.10	25
101	49	DNG	07C 28.82	25
111	49	DNT	08C .52	25
113	49	DNT	08C .58	25
115	49	DNT	08C -.66	25
115	49	DNT	07C .36	25
115	49	DNT	08H .22	25
115	49	DNG	08H -.84	25
115	49	DNT	08C .49	25
117	49	DNT	08C -.68	21
117	49	DNT	08C .44	21
117	49	DNG	08H -1.00	21
117	49	DNT	07C .41	21
28	50	DNG	08C 8.13	25
104	50	DNG	08C 5.51	29
114	50	DNT	08C -.69	29
114	50	DNT	08H .11	29
114	50	DNT	08C .52	29
114	50	DNT	07C .55	29
116	50	DNT	08C -.55	29
116	50	DNG	08H -.92	29
116	50	DNT	08C .43	29

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
116	50	DNT	07C .41	29
118	50	DNT	08C .40	29
118	50	DNT	08C -.60	29
118	50	DNT	07C .52	29
118	50	DNT	07C -.58	29
118	50	DNG	08H -.89	29
118	50	DNT	08H .17	29
5	51	DNG	TSH 3.54	63
15	51	DNG	03H 15.72	41
15	51	DNG	A16 2.55	41
113	51	DNT	08C .41	31
113	51	DNT	07C .48	31
113	51	DNT	08H .16	31
115	51	DNT	07C .43	31
117	51	DNG	08H -.89	31
117	51	DNT	07C .45	31
117	51	DNT	08C -.70	31
117	51	DNT	08H .08	31
117	51	DNT	08C .36	31
119	51	DNT	08C -.63	29
119	51	DNT	08C .63	29
32	52	DNG	04H 21.49	37
88	52	DNG	08H 11.94	35
106	52	DNT	08H .25	35
112	52	DNT	07C .49	35
112	52	DNT	08C .44	35
114	52	DNT	08C .47	35
114	52	DNT	08H .16	35
114	52	DNT	07C .46	35
116	52	DNT	08H .19	35
116	52	DNT	08C .47	35
116	52	DNG	08H -.90	35
116	52	DNT	07C .46	35
118	52	DNT	08C -.65	35
118	52	DNT	07C .41	35
118	52	DNT	08C .33	35
120	52	DNT	07C .44	29
120	52	DNT	08C -.64	29
120	52	DNT	08C .48	29
115	53	DNG	08H -.89	29
115	53	DNT	08H .17	29
115	53	DNT	07C .47	29
115	53	DNT	08C .46	29
117	53	DNT	08C -.67	29
117	53	DNT	08C .46	29

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
117	53	DNT	07C .44	29
119	53	DNG	08H -.92	29
119	53	DNT	08C .45	29
119	53	DNT	08H .14	29
119	53	DNT	08C -.55	29
119	53	DNT	07C .52	29
38	54	DNG	A2 6.68	33
38	54	DNG	A2 6.65	31
110	54	DNT	08H .14	33
114	54	DNT	07C .47	33
116	54	DNT	07H -.58	33
116	54	DNT	08C -.60	33
116	54	DNT	08C .40	33
116	54	DNT	08H .39	33
116	54	DNT	07C .47	33
118	54	DNG	08H -.87	33
118	54	DNT	07C -.55	33
118	54	DNT	07C .47	33
118	54	DNT	08C .48	33
118	54	DNT	08C -.57	33
118	54	DNT	08H .22	33
120	54	DNT	07C .44	33
120	54	DNT	08C -.58	33
120	54	DNT	08C .48	33
120	54	DNT	08H .17	33
120	54	DNG	08H -.84	33
65	55	DNG	08H 18.48	35
109	55	DNT	08H .16	35
111	55	DNT	08H .30	35
115	55	DNT	08H .16	35
115	55	DNT	08C .42	35
115	55	DNT	07C .41	35
117	55	DNT	07C .46	35
117	55	DNT	08C .41	35
117	55	DNG	08H -.90	35
117	55	DNG	03H 1.27	35
119	55	DNT	08C .47	35
119	55	DNG	08H -.93	35
119	55	DNT	08H .11	35
119	55	DNT	07C .41	35
121	55	DNT	08C .60	33
121	55	DNT	08C -.57	33
121	55	DNT	07C -.69	33
121	55	DNT	07C .55	33
110	56	DNT	08H .22	39

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
112	56	DNT	08H .11	39
114	56	DNT	08C .48	39
114	56	DNT	08H .25	39
116	56	DNG	08H -.90	39
116	56	DNT	07C .46	39
116	56	DNT	08C .45	39
116	56	DNT	08H .19	39
118	56	DNT	07C .46	39
118	56	DNT	08C .48	39
118	56	DNG	08H -.90	39
120	56	DNT	08C .42	39
120	56	DNG	08H -.90	39
120	56	DNT	07C -.63	39
120	56	DNT	07C .43	39
120	56	DNT	08H .19	39
122	56	DNT	08C .43	33
122	56	DNT	07C .50	33
13	57	DNG	03H 7.64	33
53	57	DNG	08H 26.77	33
111	57	DNT	08H .17	33
113	57	DNT	08H .17	33
115	57	DNT	08C .46	33
115	57	DNT	08H .20	33
115	57	DNT	07C .39	33
117	57	DNT	08H .25	33
117	57	DNT	08C .34	33
117	57	DNT	07C .58	33
117	57	DNT	08H -.59	33
119	57	DNT	07C .58	33
119	57	DNT	08H .17	33
119	57	DNT	07C -.63	33
121	57	DNT	08H .22	33
121	57	DNT	08H -.61	33
121	57	DNT	07C .44	33
121	57	DNT	08C .43	33
110	58	DNT	08H .20	37
112	58	DNT	08H .22	37
114	58	DNT	08H .20	37
114	58	DNT	07C .50	37
116	58	DNT	08H .28	37
116	58	DNT	07C .61	37
118	58	DNT	07C .47	37
118	58	DNT	08C .48	37
118	58	DNT	08H .19	37
118	58	DNT	08H -.62	37

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
120	58	DNG	08H -.92	37
120	58	DNT	08H .17	37
120	58	DNT	08C .45	37
120	58	DNT	07C -.63	37
120	58	DNT	07C .47	37
122	58	DNG	08H -.92	37
122	58	DNT	07C .47	37
122	58	DNT	08C .54	37
122	58	DNT	08H .11	37
59	59	DNG	03C 19.01	39
111	59	DNG	08H -.90	39
111	59	DNT	08H .22	39
113	59	DNT	08H .25	39
115	59	DNG	08H -.82	39
115	59	DNT	08H .19	39
115	59	DNT	07C .49	39
117	59	DNG	07H 31.96	39
117	59	DNG	06H 2.46	39
117	59	DNT	08H .19	39
117	59	DNT	07C .49	39
119	59	DNT	07C .44	39
119	59	DNG	08H -.90	39
119	59	DNT	08H .19	39
119	59	DNT	08C .42	39
121	59	DNT	07C -.65	39
121	59	DNT	08H .14	39
121	59	DNG	08H -.93	39
121	59	DNT	07C .49	39
123	59	DNT	08C .51	37
123	59	DNT	07C .50	37
4	60	DNG	07H 19.13	67
88	60	DNG	03C 4.20	39
104	60	DNT	08H .33	39
110	60	DNT	08H .30	39
112	60	DNT	08H .19	43
112	60	DNG	08H -.87	43
114	60	DNT	08H .25	43
116	60	DNG	08H -.85	43
116	60	DNT	08H .19	43
116	60	DNT	07C .46	43
118	60	DNG	08H -.81	43
118	60	DNT	08H .27	43
118	60	DNT	07C .43	43
120	60	DNT	08H -.78	43
120	60	DNT	08H .25	43

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
120	60	DNT	08C .48	43
120	60	DNT	07C .49	43
122	60	DNT	08C .45	43
122	60	DNT	07C .46	43
122	60	DNT	07C -.57	43
122	60	DNT	08H -.66	43
124	60	DNT	08C .45	37
124	60	DNT	07C .47	37
91	61	DNG	03C 27.25	37
111	61	DNG	08H -.89	37
111	61	DNT	08H .17	37
113	61	DNT	08H .17	37
115	61	DNT	08H .22	37
117	61	DNT	08H .06	37
119	61	DNT	08C .54	37
119	61	DNT	07C .50	37
119	61	DNT	08H .22	37
121	61	DNT	07C -.53	37
121	61	DNT	07C .53	37
121	61	DNT	08C .51	37
121	61	DNG	08H -.95	37
121	61	DNT	08H .17	37
123	61	DNG	08H -.92	37
123	61	DNT	08H .08	37
123	61	DNT	08C .45	37
123	61	DNT	07C .53	37
32	62	DNG	07H 28.39	37
104	62	DNT	08H -.67	37
104	62	DNT	08H .33	37
110	62	DNG	08H -.86	37
112	62	DNT	08H .08	37
112	62	DNG	08H -.86	37
114	62	DNG	08H -.86	41
114	62	DNT	08H .14	41
116	62	DNG	08H -.89	41
116	62	DNT	07C .50	41
116	62	DNT	08H .22	41
118	62	DNT	08C .51	41
118	62	DNT	07C .47	41
118	62	DNT	08H .08	41
120	62	DNT	07C .50	41
120	62	DNT	08C .46	41
120	62	DNT	08H .11	41
122	62	DNT	08C .46	41
122	62	DNT	08H .17	41

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
122	62	DNG	08H -.89	41
122	62	DNT	07C .53	41
122	62	DNT	07C -.69	41
122	62	DNT	08H .11	41
122	62	DNT	07C .45	41
122	62	DNT	07C -.50	41
122	62	DNT	08C .51	41
124	62	DNT	08C .46	41
124	62	DNT	07C .42	41
3	63	DNG	A1 2.09	103
3	63	DNG	09H 2.91	103
105	63	DNT	08H -.43	43
105	63	DNG	08H -.83	65
109	63	DNT	08H -.52	43
109	63	DNT	08H .25	43
113	63	DNT	08H -.56	65
115	63	DNT	08H .22	43
115	63	DNT	07C .54	43
117	63	DNT	08H -.52	43
117	63	DNT	07C .49	43
117	63	DNT	08H .16	43
117	63	DNT	07C -.57	43
119	63	DNT	08H .25	43
119	63	DNT	07C .49	43
121	63	DNT	08C .45	43
121	63	DNT	08H .22	43
121	63	DNT	07C .41	43
121	63	DNT	08H -.54	43
121	63	DNT	07C -.60	43
123	63	DNT	07C .38	43
123	63	DNG	08C -.87	43
123	63	DNT	08H -.67	43
123	63	DNT	07C -.65	43
123	63	DNT	08H .22	43
125	63	DNT	08C .46	41
125	63	DNT	07C .50	41
104	64	DNT	08H -.63	43
106	64	DNT	08H -.66	43
108	64	DNT	08H .22	43
108	64	DNT	08H -.63	43
110	64	DNT	08H -.73	43
110	64	DNT	08H .25	43
116	64	DNT	07C .49	43
116	64	DNT	08H .19	43
116	64	DNT	08H -.63	43

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
118	64	DNT	08H .19	43
118	64	DNT	07C .43	43
120	64	DNT	07C .41	43
122	64	DNT	08C .47	43
122	64	DNT	07C -.54	43
122	64	DNT	07C .43	43
124	64	DNT	08C .42	43
124	64	DNT	07C -.65	43
124	64	DNT	07C .41	43
35	65	DNG	06C 1.29	41
105	65	DNT	08H -.78	41
107	65	DNG	08H -.86	41
109	65	DNG	08H -.86	41
113	65	DNG	08H -.89	41
115	65	DNT	07C .58	41
117	65	DNT	07C .58	41
119	65	DNT	08H .11	41
119	65	DNT	07C .55	41
119	65	DNT	08C .57	41
121	65	DNT	07C -.64	41
121	65	DNT	07C .53	41
121	65	DNT	08C .48	41
123	65	DNT	06C .50	41
123	65	DNT	07C -.66	41
123	65	DNT	07C .39	41
123	65	DNT	08C .45	41
125	65	DNT	07C .44	41
125	65	DNT	08C .46	41
42	66	DNG	02H 4.54	41
48	66	DNG	A16 1.78	41
106	66	DNG	08H -.81	41
108	66	DNG	08H -.83	41
108	66	DNT	08H .22	41
114	66	DNG	09H -42.72	41
118	66	DNT	08H .11	41
118	66	DNT	07C .50	41
120	66	DNT	08H .11	41
120	66	DNT	07C -.61	41
120	66	DNT	07C .53	41
122	66	DNT	08C .48	41
122	66	DNT	07C -.61	41
122	66	DNT	07C .50	41
124	66	DNT	07C .47	41
124	66	DNT	08C .51	41
124	66	DNT	07C -.61	41



## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
126	66	DNT	06C .47	41
126	66	DNT	08C -.69	41
126	66	DNT	07C .44	41
126	66	DNT	08C .46	41
27	67	DNG	04H 34.64	45
39	67	DNG	03C 20.85	45
105	67	DNG	08H -.93	45
107	67	DNG	04C 6.77	45
107	67	DNG	08H -.85	45
109	67	DNG	08H -.90	45
119	67	DNT	07C -.65	45
119	67	DNT	07C .49	45
121	67	DNT	07C .52	45
123	67	DNT	07C .54	45
123	67	DNT	08C .47	45
125	67	DNT	07C .52	45
125	67	DNT	07C -.54	45
16	68	DNG	A16 5.75	51
104	68	DNT	08H .33	51
106	68	DNT	08H .35	51
106	68	DNT	08H -.79	51
108	68	DNT	08H -.72	51
118	68	DNT	07C .38	51
120	68	DNT	07C -.54	51
120	68	DNT	07C .38	51
122	68	DNT	08C .36	51
122	68	DNT	07C -.59	51
122	68	DNT	07C .43	51
124	68	DNT	07C .51	51
124	68	DNT	08C .45	51
124	68	DNT	07C -.73	51
126	68	DNT	07C -.61	49
126	68	DNT	07C .44	49
126	68	DNT	08C .45	49
105	69	DNT	08H -.69	47
107	69	DNT	08H -.78	47
109	69	DNT	08H -.73	47
113	69	DNG	01H 22.85	47
119	69	DNT	07C .44	47
121	69	DNT	07C -.66	47
121	69	DNT	07C .44	47
123	69	DNT	08C .37	47
123	69	DNT	07C -.61	47
123	69	DNT	07C .52	47
125	69	DNT	07C -.52	47

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
125	69	DNT	07C .39	47
125	69	DNT	08C .39	47
127	69	DNT	08C .31	47
127	69	DNT	07C .39	47
127	69	DNT	07C -.66	47
14	70	DNG	A2 8.27	49
92	70	DNG	TSC 12.67	49
118	70	DNT	08C .51	49
120	70	DNT	07C .55	49
120	70	DNT	08C .54	49
122	70	DNT	08C .48	49
122	70	DNT	07C .52	49
124	70	DNT	07C -.58	47
124	70	DNT	08C .37	47
124	70	DNT	07C .36	47
126	70	DNT	08C .37	47
126	70	DNT	07C -.67	47
126	70	DNT	07C .42	47
33	71	DNG	03C 16.76	51
35	71	DNG	06C 30.35	51
43	71	DNG	A14 2.68	51
89	71	DNG	A10 14.05	51
107	71	DNT	08H -.73	51
109	71	DNT	08H -.79	51
119	71	DNT	08C .45	51
119	71	DNT	07C .43	51
119	71	DNT	07C .49	51
123	71	DNT	07C -.46	51
123	71	DNT	07C .41	51
123	71	DNT	08C .39	51
125	71	DNT	07C .41	51
125	71	DNT	08C .37	51
125	71	DNT	07C -.73	51
127	71	DNT	07C .38	51
127	71	DNT	07C -.68	51
127	71	DNT	06C .43	51
127	71	DNT	04C .43	51
127	71	DNT	04C -.62	51
127	71	DNT	08C -.76	51
127	71	DNT	08C .42	51
10	72	DNG	03H 3.50	65
120	72	DNT	07C .52	51
120	72	DNT	08C .40	51
122	72	DNT	08C .48	51
122	72	DNT	07C .40	51

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
124	72	DNT	07C .52	49
124	72	DNT	08C .47	49
124	72	DNT	07C -.64	49
126	72	DNT	08C .52	49
126	72	DNT	07C .50	49
126	72	DNT	07C -.61	49
121	73	DNT	07C .53	49
123	73	DNT	07C .50	49
125	73	DNT	07C .50	49
125	73	DNT	08C .37	49
127	73	DNT	08C .46	49
127	73	DNT	07C -.64	49
127	73	DNT	07C .44	49
46	74	DNG	05H 8.28	53
116	74	DNT	08C .51	49
120	74	DNT	08C .48	49
122	74	DNT	08C .51	49
122	74	DNT	07C .53	49
124	74	DNT	07C .47	49
126	74	DNT	08C -.63	49
126	74	DNT	08C .49	49
126	74	DNT	07C .41	49
119	75	DNT	07C .43	55
121	75	DNT	08C .44	55
123	75	DNT	08C .39	55
123	75	DNT	07C .43	55
125	75	DNT	07C .43	55
125	75	DNT	08C .44	55
127	75	DNT	08C .45	53
127	75	DNT	07C .53	53
127	75	DNT	07C -.61	53
36	76	DNG	01C 38.05	53
48	76	DNG	03H 22.99	53
120	76	DNT	08C .54	53
122	76	DNT	08C .54	53
122	76	DNT	07C .55	53
124	76	DNT	08C .41	55
124	76	DNT	07C .46	55
126	76	DNT	08C .33	55
126	76	DNT	08C -.60	55
126	76	DNT	07C .41	55
126	76	DNT	07C -.71	55
15	77	DNG	A16 5.33	55
81	77	DNG	A10 10.00	53
123	77	DNT	07C .44	53

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
125	77	DNT	07C .53	53
125	77	DNT	08C .45	53
127	77	DNT	08C -.66	53
127	77	DNT	08C .45	53
127	77	DNT	07C .44	53
12	78	DNT	09H -.37	4
22	78	DNG	A2 3.22	2
40	78	DNT	A13 .37	4
82	78	DNT	02H -.43	2
90	78	DNG	03C 1.18	2
120	78	DNT	07C .43	4
122	78	DNT	07C .40	4
122	78	DNT	08C .34	4
124	78	DNT	07C .46	2
124	78	DNT	08C .44	2
126	78	DNT	08C -.68	2
126	78	DNT	07C .46	2
126	78	DNT	08C .47	2
3	79	DNG	07C 18.84	82
3	79	DNG	07C 19.02	112
15	79	DNG	07H 28.11	2
15	79	DNG	09H 7.36	2
17	79	DNG	06H 3.88	2
109	79	DNG	03C 24.15	6
119	79	DNT	07C .55	6
121	79	DNT	08C .49	6
123	79	DNT	08C .33	6
123	79	DNT	07C .44	6
125	79	DNT	04C .60	6
125	79	DNT	08C .52	6
125	79	DNT	06C .41	6
125	79	DNG	01C 10.37	6
125	79	DNT	07C .38	6
127	79	DNT	04C .47	6
127	79	DNT	06C .41	6
127	79	DNT	08C .39	6
127	79	DNT	07C -.69	6
127	79	DNT	08C -.77	6
127	79	DNT	07C .49	6
28	80	DNT	03C .11	8
122	80	DNT	07C .41	8
122	80	DNT	08C .44	8
124	80	DNT	07C .38	8
124	80	DNT	08C .33	8
126	80	DNT	04C .58	8

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
126	80	DNT	07C -.69	8
126	80	DNT	08C .39	8
126	80	DNT	07C .49	8
126	80	DNT	08C -.77	8
126	80	DNT	06C .38	8
13	81	DNG	A15 5.75	4
51	81	DNG	A14 2.45	4
65	81	DNG	A2 5.77	4
101	81	DNT	08H .37	4
117	81	DNT	08C .40	4
117	81	DNT	07C .43	4
119	81	DNT	07C .43	4
119	81	DNT	08C .40	4
121	81	DNT	07C .43	4
121	81	DNT	08C .37	4
123	81	DNT	07C .37	4
123	81	DNT	08C .35	4
125	81	DNT	07C .40	4
125	81	DNT	04C .50	4
125	81	DNT	08C .35	4
125	81	DNT	08C -.72	4
127	81	DNT	08C .30	6
127	81	DNT	07C -.71	6
127	81	DNT	06C .41	6
127	81	DNT	05C .36	6
127	81	DNT	04C .52	6
127	81	DNT	08C -.68	6
127	81	DNT	07C .38	6
52	82	DNG	03C 1.32	10
78	82	DNG	01C 5.73	10
118	82	DNT	07C .43	10
118	82	DNT	08C .51	10
120	82	DNT	07C .43	10
120	82	DNT	08C .43	10
122	82	DNT	08C .32	10
122	82	DNT	07C .45	10
124	82	DNT	07C -.67	10
124	82	DNT	07C .35	10
124	82	DNT	08C -.67	10
124	82	DNT	08C .37	10
126	82	DNT	08C .33	8
126	82	DNT	05C .52	8
126	82	DNT	08C -.77	8
126	82	DNT	07C .38	8
126	82	DNT	06C .36	8

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
126	82	DNT	04C .52	8
126	82	DNT	07C -.72	8
117	83	DNT	07C .47	8
117	83	DNT	08C .38	8
119	83	DNT	07C .41	8
119	83	DNT	08C .36	8
121	83	DNT	07C .38	8
123	83	DNT	08C .38	8
123	83	DNT	07C .41	8
125	83	DNT	06C .52	8
125	83	DNT	04C .52	8
125	83	DNT	08C -.74	8
125	83	DNT	08C .36	8
125	83	DNT	07C .49	8
125	83	DNT	08C .47	8
125	83	DNT	08C -.66	8
125	83	DNT	04C .58	8
125	83	DNT	06C .41	8
125	83	DNT	07C .38	8
127	83	DNT	07C .36	8
127	83	DNT	06C .41	8
127	83	DNT	07C -.71	8
127	83	DNT	04C .46	8
127	83	DNT	08C .30	8
96	84	DNT	08H .31	8
102	84	DNT	08H .28	8
116	84	DNT	08C .52	8
118	84	DNT	07C .44	8
118	84	DNT	08C .41	8
120	84	DNT	08C .41	8
120	84	DNT	07C .44	8
122	84	DNT	08C .33	8
122	84	DNT	06C .55	8
122	84	DNT	07C .38	8
122	84	DNT	07C .41	8
122	84	DNG	03C 24.64	8
124	84	DNT	08C .38	8
124	84	DNT	06C .52	8
124	84	DNT	04C .58	8
124	84	DNT	07C .41	8
124	84	DNT	07C -.74	8
126	84	DNT	04C -.71	8
126	84	DNT	04C .49	8
126	84	DNT	07C -.71	8
126	84	DNT	08C .33	8

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
126	84	DNT	07C .38	8
126	84	DNT	08C -.74	8
126	84	DNT	06C .33	8
95	85	DNG	07H 21.87	10
115	85	DNT	08C .37	10
117	85	DNT	08C .40	10
117	85	DNT	07C .43	10
119	85	DNT	08C .37	10
119	85	DNT	07C .40	10
121	85	DNT	08C .32	10
121	85	DNT	07C .35	10
123	85	DNT	08C -.72	10
123	85	DNT	07C .40	10
123	85	DNT	08C .40	10
123	85	DNT	07C -.75	10
125	85	DNT	07C -.69	10
125	85	DNT	08C .35	10
125	85	DNT	07C .40	10
125	85	DNT	06C .43	10
125	85	DNT	04C .51	10
125	85	DNT	08C -.69	10
127	85	DNT	04C .44	8
127	85	DNT	08C .30	8
127	85	DNT	07C .36	8
127	85	DNT	04C -.68	8
127	85	DNT	07C -.74	8
127	85	DNT	06C .44	8
20	86	DNG	01C 27.89	10
112	86	DNG	06H 1.57	42
112	86	DNG	06H 16.25	42
114	86	DNT	08C .48	10
114	86	DNT	07C .37	10
116	86	DNT	08C .37	10
116	86	DNT	07C .48	10
118	86	DNT	08C .37	10
118	86	DNT	07C .43	10
120	86	DNT	08C .35	10
120	86	DNT	07C .40	10
122	86	DNT	07C .43	10
122	86	DNT	08C .35	10
124	86	DNT	06C .35	10
124	86	DNT	04C .45	10
124	86	DNG	03C 27.41	10
124	86	DNT	07C -.69	10
124	86	DNT	08C .37	10

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
124	86	DNT	07C .43	10
126	86	DNT	04C .49	12
126	86	DNT	05C .41	12
126	86	DNT	06C .44	12
126	86	DNT	07C -.74	12
126	86	DNT	07C .38	12
126	86	DNT	08C -.74	12
126	86	DNT	08C .33	12
95	87	DNT	08H .31	12
97	87	DNT	08H .30	12
99	87	DNT	08H .28	12
101	87	DNT	08H .28	12
103	87	DNT	08H .25	12
105	87	DNT	08H .28	12
107	87	DNT	08H .22	12
113	87	DNT	08C .38	12
115	87	DNT	07C .49	12
115	87	DNT	08C .49	12
117	87	DNT	07C .36	12
117	87	DNT	08C .41	12
119	87	DNT	07C .41	12
119	87	DNT	08C .36	12
119	87	DNT	06C .55	12
121	87	DNT	08C .39	12
121	87	DNT	07C .44	12
123	87	DNT	08C .36	12
123	87	DNT	07C .36	12
123	87	DNT	07C -.74	12
123	87	DNT	06C .41	12
123	87	DNT	04C .47	12
125	87	DNT	04C -.68	12
125	87	DNT	07C -.69	12
125	87	DNT	04C .47	12
125	87	DNT	06C .38	12
125	87	DNT	08C .38	12
125	87	DNT	07C .44	12
125	87	DNT	08C -.77	12
127	87	DNT	08C .30	12
127	87	DNT	07C .41	12
127	87	DNT	04C .41	12
127	87	DNT	07C -.69	12
127	87	DNT	08C -.71	12
127	87	DNT	06C .38	12
96	88	DNT	08H .28	12
98	88	DNT	08H .31	12



## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
100	88	DNT	08H .25	12
102	88	DNT	08H .28	12
106	88	DNT	08H .20	12
112	88	DNG	A2 10.80	12
114	88	DNT	08C .50	12
114	88	DNT	07C .55	12
116	88	DNT	08C .41	12
116	88	DNG	TSC 10.63	12
116	88	DNT	07C .41	12
118	88	DNT	07C .41	12
118	88	DNT	08C .50	12
120	88	DNT	07C .41	12
120	88	DNT	06C .52	12
120	88	DNT	08C .39	12
122	88	DNT	06C .49	12
122	88	DNT	07C -.71	12
122	88	DNT	08C .36	12
122	88	DNT	07C .38	12
122	88	DNT	04C .49	12
124	88	DNT	08C .36	12
124	88	DNT	04C .38	12
124	88	DNT	06C .38	12
124	88	DNT	07C .38	12
124	88	DNT	07C -.66	12
126	88	DNT	08C -.77	12
126	88	DNT	07C -.71	12
126	88	DNG	A6 9.07	12
126	88	DNT	08C .33	12
126	88	DNT	07C .30	12
126	88	DNT	04C -.66	12
126	88	DNT	04C .47	12
126	88	DNT	06C .38	12
69	89	DNG	07H -1.03	14
73	89	DNG	A16 5.38	14
101	89	DNG	02H 27.81	14
105	89	DNT	08H .35	14
113	89	DNT	07C .45	14
113	89	DNT	08C .43	14
117	89	DNT	07C .40	14
117	89	DNT	08C .35	14
119	89	DNT	06C .37	14
119	89	DNT	08C .40	14
119	89	DNT	07C .40	14
121	89	DNT	08C .37	14
121	89	DNT	07C .40	14

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
123	89	DNT	04C .42	14
123	89	DNT	06C .43	14
123	89	DNT	07C -.72	14
123	89	DNT	07C .35	14
123	89	DNT	08C .37	14
125	89	DNT	04C -.64	14
125	89	DNT	04C .42	14
125	89	DNT	06C .40	14
125	89	DNT	08C .35	14
125	89	DNT	07C -.69	14
125	89	DNT	07C .34	14
125	89	DNT	08C -.77	14
6	90	DNG	02C 30.66	76
6	90	DNG	05C 16.37	76
100	90	DNT	08H .37	14
114	90	DNT	07C .45	14
114	90	DNT	08C .45	14
116	90	DNG	06C 19.64	14
116	90	DNT	07C .42	14
116	90	DNT	08C .40	14
118	90	DNT	07C .42	14
118	90	DNT	08C .43	14
118	90	DNT	06C .40	14
120	90	DNT	06C .34	14
120	90	DNT	04C .45	14
120	90	DNT	07C -.72	14
120	90	DNT	07C .40	14
120	90	DNT	08C .45	14
122	90	DNT	07C .40	14
122	90	DNT	07C -.64	14
122	90	DNT	08C .32	14
122	90	DNT	06C .42	14
124	90	DNT	04C .48	14
124	90	DNT	06C .42	14
124	90	DNT	07C -.72	14
124	90	DNT	08C -.72	14
124	90	DNT	07C .37	14
124	90	DNT	08C .45	14
124	90	DNT	04C -.64	14
126	90	DNT	04C .41	12
126	90	DNT	04C -.66	12
126	90	DNT	06C .38	12
126	90	DNT	07C .38	12
126	90	DNT	08C -.79	12
126	90	DNT	08C .33	12

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
93	91	DNG	07H 6.81	12
99	91	DNT	08H .28	12
101	91	DNT	08H .25	12
111	91	DNT	08C .49	12
113	91	DNT	07C .47	12
113	91	DNT	08C .39	12
115	91	DNT	08C .39	12
115	91	DNT	06C .38	12
115	91	DNT	07C .41	12
117	91	DNT	08C .33	12
117	91	DNT	07C .36	12
117	91	DNT	06C .47	12
119	91	DNT	08C .30	12
119	91	DNT	07C .38	12
119	91	DNT	06C .38	12
121	91	DNT	08C .36	12
121	91	DNT	06C .38	12
121	91	DNT	04C .58	12
121	91	DNT	07C .38	12
123	91	DNT	07C .41	12
123	91	DNT	08C .33	12
123	91	DNT	04C .44	12
123	91	DNT	06C .38	12
123	91	DNT	07C -.74	12
123	91	DNT	08C -.71	12
125	91	DNT	08C .36	12
125	91	DNT	08C -.68	12
125	91	DNT	07C .36	12
125	91	DNT	04C .44	12
125	91	DNT	06C .41	12
125	91	DNT	07C -.79	12
125	91	DNT	04C -.60	12
100	92	DNT	08H .25	16
108	92	DNG	03C 17.99	16
110	92	DNG	A2 15.60	16
114	92	DNT	07C .55	16
116	92	DNT	06C .52	16
116	92	DNT	08C .44	16
116	92	DNT	07C .44	16
118	92	DNT	06C .52	16
118	92	DNT	08C .49	16
118	92	DNT	07C .49	16
120	92	DNT	07C .49	16
120	92	DNT	08C .38	16
120	92	DNT	06C .30	16

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
122	92	DNT	07C .46	16
122	92	DNT	08C .49	16
122	92	DNT	06C .52	16
122	92	DNT	04C .52	16
122	92	DNT	07C -.58	16
124	92	DNT	04C .49	16
124	92	DNT	07C .36	16
124	92	DNT	06C .41	16
124	92	DNT	08C .39	16
124	92	DNT	07C -.63	16
1	93	DNG	TSH 7.30	75
51	93	DNG	07H 25.60	14
51	93	DNG	03C 14.64	14
99	93	DNT	08H -.79	14
103	93	DNG	08H -.85	14
113	93	DNT	08C .43	14
113	93	DNT	07C .42	14
115	93	DNT	08C .43	14
115	93	DNT	07C .42	14
115	93	DNT	06C .48	14
117	93	DNT	06C .42	14
117	93	DNT	04C .50	14
117	93	DNT	08C .40	14
117	93	DNT	07C .45	14
119	93	DNT	08C .37	14
119	93	DNT	06C .40	14
119	93	DNT	07C -.61	14
119	93	DNT	07C .32	14
119	93	DNT	08C -.72	14
121	93	DNT	07C .40	14
121	93	DNT	07C -.66	14
121	93	DNT	06C .42	14
121	93	DNT	04C .45	14
121	93	DNT	08C .37	14
123	93	DNT	07C -.61	14
123	93	DNT	04C .45	14
123	93	DNT	08C .32	14
123	93	DNT	06C .34	14
123	93	DNT	08C -.72	14
123	93	DNT	07C .34	14
125	93	DNT	04C .44	12
125	93	DNT	08C -.77	12
125	93	DNT	08C .33	12
125	93	DNT	06C .36	12
125	93	DNT	04C -.66	12

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
125	93	DNT	07C .33	12
112	94	DNT	07C .45	18
114	94	DNT	07C .42	18
114	94	DNT	06C .45	18
116	94	DNT	06C .42	18
116	94	DNT	07C .42	18
116	94	DNT	08C .40	18
118	94	DNT	07C .40	18
118	94	DNT	06C .42	18
118	94	DNG	02H 3.78	18
118	94	DNT	08C .35	18
120	94	DNT	07C .50	18
120	94	DNT	08C .40	18
122	94	DNT	08C .37	18
122	94	DNT	04C -.64	18
122	94	DNT	07C .48	18
122	94	DNT	06C .45	18
122	94	DNT	07C -.61	18
122	94	DNT	04C .48	18
124	94	DNT	06C .44	16
124	94	DNT	07C -.74	16
124	94	DNT	07C .38	16
124	94	DNT	04C -.60	16
124	94	DNT	04C .52	16
124	94	DNT	08C -.77	16
124	94	DNT	08C .41	16
45	95	DNG	02C 34.49	16
101	95	DNT	08H .28	16
111	95	DNT	07C .47	16
113	95	DNG	03C 17.38	16
113	95	DNT	07C .49	16
113	95	DNT	08C .49	16
113	95	DNT	06C .52	16
115	95	DNT	06C .52	16
115	95	DNT	07C .49	16
115	95	DNT	08C .49	16
117	95	DNT	07C .38	16
117	95	DNG	07C -1.73	16
117	95	DNT	06C .47	16
117	95	DNT	08C .44	16
119	95	DNT	04C .60	16
119	95	DNT	06C .46	16
119	95	DNT	08C .38	16
119	95	DNT	07C .41	16
121	95	DNT	07C .38	16

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
121	95	DNT	06C .47	16
121	95	DNT	04C .44	16
121	95	DNT	08C .47	16
123	95	DNT	07C .44	16
123	95	DNT	06C .38	16
123	95	DNT	04C -.63	16
123	95	DNT	08C .33	16
123	95	DNT	08C -.77	16
123	95	DNT	04C .55	16
76	96	DNG	07H 19.73	16
98	96	DNT	06H .24	16
110	96	DNT	07C .52	16
110	96	DNT	08C .44	16
112	96	DNT	07C .46	16
114	96	DNT	07C .52	16
114	96	DNT	06C .47	16
114	96	DNT	08C .49	16
116	96	DNT	07C .36	16
116	96	DNG	A12 4.58	16
116	96	DNT	06C .52	16
116	96	DNT	08C .44	16
118	96	DNT	08C .41	16
118	96	DNT	07C .47	16
118	96	DNT	06C .52	16
120	96	DNT	04C .55	16
120	96	DNT	06C .49	16
120	96	DNT	07C -.74	16
120	96	DNT	07C .38	16
120	96	DNT	08C .36	16
122	96	DNT	08C .41	16
122	96	DNT	08C -.68	16
122	96	DNT	07C .44	16
122	96	DNT	04C .49	16
122	96	DNT	06C .49	16
122	96	DNT	07C -.68	16
124	96	DNT	08C .25	16
124	96	DNT	08C -.80	16
124	96	DNT	07C .33	16
124	96	DNT	06C .44	16
124	96	DNT	04C .47	16
124	96	DNT	04C -.71	16
15	97	DNG	09H 7.48	18
15	97	DNG	04H 2.31	18
109	97	DNT	07C .45	18
111	97	DNT	07C .40	18

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
111	97	DNT	06C .45	18
113	97	DNT	07C .40	18
113	97	DNT	08C .40	18
113	97	DNT	06C .45	18
115	97	DNT	08C .45	18
115	97	DNT	07C .42	18
115	97	DNT	06C .42	18
117	97	DNT	06C .45	18
117	97	DNT	08C .37	18
117	97	DNT	07C .40	18
119	97	DNT	06C .45	18
119	97	DNT	04C .50	18
119	97	DNT	08C .32	18
119	97	DNT	07C .37	18
119	97	DNT	07C -.69	18
121	97	DNT	08C .37	18
121	97	DNT	07C .37	18
121	97	DNT	07C -.72	18
121	97	DNT	06C .42	18
121	97	DNT	04C .45	18
123	97	DNT	04C -.63	16
123	97	DNT	04C .36	16
123	97	DNT	08C -.77	16
123	97	DNT	06C .41	16
123	97	DNT	08C .38	16
123	97	DNT	07C .38	16
78	98	DNG	03C 4.84	18
110	98	DNT	07C .42	18
112	98	DNT	08C .32	18
112	98	DNT	07C .42	18
114	98	DNT	07C .37	18
114	98	DNT	08C .34	18
116	98	DNT	08C .34	18
116	98	DNT	07C .37	18
116	98	DNT	06C .40	18
118	98	DNT	08C .34	18
118	98	DNT	07C .42	18
118	98	DNT	06C .42	18
118	98	DNT	04C .45	18
118	98	DNT	07C -.66	18
120	98	DNT	07C .32	18
120	98	DNT	08C -.74	18
120	98	DNT	04C .45	18
120	98	DNT	08C .32	18
120	98	DNT	06C .42	18

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
122	98	DNT	04C -.63	18
122	98	DNT	08C .32	18
122	98	DNT	04C .42	18
122	98	DNT	08C -.74	18
122	98	DNT	07C .34	18
122	98	DNT	06C .34	18
49	99	DNG	A12 3.73	20
107	99	DNT	07C .55	16
109	99	DNT	06H .16	16
109	99	DNT	07C .41	16
111	99	DNT	07C .41	16
111	99	DNT	08C .44	16
111	99	DNT	06C .47	16
113	99	DNT	08C .33	16
113	99	DNT	07C .38	16
115	99	DNT	08C .41	16
115	99	DNT	07C .41	16
115	99	DNT	06C .49	16
117	99	DNT	08C .38	16
117	99	DNT	07C .38	16
117	99	DNT	06C .52	16
119	99	DNT	07C .41	16
119	99	DNT	06C .44	16
119	99	DNT	04C .47	16
121	99	DNT	08C .41	16
121	99	DNT	07C .33	16
121	99	DNT	06C .49	16
121	99	DNT	04C .47	16
36	100	DNT	A12 -.36	20
42	100	DNG	03H 37.48	20
98	100	DNT	06H .24	20
112	100	DNT	07C .38	20
112	100	DNT	08C .36	20
114	100	DNT	08C .36	20
114	100	DNT	07C .41	20
114	100	DNT	06C .41	20
116	100	DNT	07C .41	20
116	100	DNT	04C .57	20
116	100	DNT	08C .44	20
116	100	DNT	06C .52	20
118	100	DNT	08C .36	20
118	100	DNT	06C .52	20
118	100	DNT	07C .44	20
118	100	DNT	04C .60	20
120	100	DNT	04C .44	20



## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
120	100	DNT	06C .36	20
120	100	DNT	07C .27	20
120	100	DNT	08C .41	20
122	100	DNT	04C .41	20
122	100	DNT	07C .33	20
122	100	DNT	06C .44	20
122	100	DNT	08C .27	20
122	100	DNT	08C -.77	20
3	101	DNG	03C 17.13	80
9	101	DNT	A1 .26	22
11	101	DNG	A1 1.86	22
11	101	DNG	A1 2.35	22
15	101	DNG	A16 2.44	22
109	101	DNT	07C .48	18
109	101	DNT	08C .37	18
111	101	DNT	07C .37	18
111	101	DNT	08C .34	18
113	101	DNT	06C .45	18
113	101	DNT	07C .42	18
113	101	DNT	08C .37	18
115	101	DNT	06C .37	18
115	101	DNT	07C .40	18
115	101	DNT	08C .37	18
115	101	DNT	04C .48	18
117	101	DNT	02C .67	18
117	101	DNT	A13 .08	18
117	101	DNT	04C .48	18
117	101	DNT	06C .40	18
117	101	DNT	07C .37	18
117	101	DNT	08C .37	18
119	101	DNT	06C .40	18
119	101	DNT	04C .45	18
119	101	DNT	07C .34	18
119	101	DNT	08C .29	18
121	101	DNT	04C .52	16
121	101	DNT	08C -.77	16
121	101	DNT	07C .46	16
121	101	DNT	06C .49	16
121	101	DNT	08C .38	16
20	102	DNG	09H 8.41	22
36	102	DNG	A16 6.81	22
108	102	DNT	08C .27	42
108	102	DNT	07C .51	42
110	102	DNT	07C .35	42
110	102	DNT	08C .32	42

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
112	102	DNT	08C .46	42
112	102	DNT	07C .37	42
114	102	DNT	08C .32	42
114	102	DNT	07C .29	42
116	102	DNT	07C -.73	22
116	102	DNT	08C .32	22
116	102	DNT	07C .39	22
118	102	DNT	04C .42	22
118	102	DNT	07C -.76	22
118	102	DNT	07C .39	22
118	102	DNT	08C .34	22
118	102	DNT	08C -.76	22
120	102	DNT	07C .29	22
120	102	DNT	08C .40	22
120	102	DNT	08C -.76	22
120	102	DNT	04C .42	22
107	103	DNT	07C .52	20
107	103	DNT	07C .48	24
109	103	DNT	07C .41	20
109	103	DNT	07C .46	24
111	103	DNT	06C .46	20
111	103	DNT	06C .43	24
111	103	DNT	07C .43	24
111	103	DNT	08C .30	24
111	103	DNT	08C .27	20
111	103	DNT	07C .41	20
113	103	DNT	07C .46	24
113	103	DNT	06C .46	24
113	103	DNT	06C .38	20
113	103	DNT	08C .41	24
113	103	DNT	08C .41	20
113	103	DNT	07C .35	20
115	103	DNG	03C 16.43	24
115	103	DNT	06C .57	24
115	103	DNT	07C .27	24
115	103	DNT	07C .25	20
115	103	DNT	08C .24	24
115	103	DNT	08C .52	20
115	103	DNT	07C -.70	24
115	103	DNT	06C .41	20
117	103	DNT	06C .35	24
117	103	DNT	04C .49	20
117	103	DNT	04C .51	24
117	103	DNT	07C -.65	24
117	103	DNT	07C .43	24

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
117	103	DNT	08C .32	24
117	103	DNT	06C .41	20
117	103	DNT	08C .44	20
117	103	DNT	07C .35	20
117	103	DNT	07C -.74	20
119	103	DNT	04C .46	24
119	103	DNT	07C .32	24
119	103	DNT	08C .24	24
119	103	DNT	04C .44	20
119	103	DNT	07C .35	20
119	103	DNT	08C .36	20
16	104	DNG	A16 -.79	20
74	104	DNG	03C 15.53	24
106	104	DNT	08C .46	24
108	104	DNT	07C .46	24
110	104	DNT	08C .46	24
110	104	DNT	07C .27	24
112	104	DNT	08C .30	24
112	104	DNT	07C .38	24
114	104	DNT	07C .48	24
114	104	DNT	08C .48	24
116	104	DNT	07C .43	24
116	104	DNT	08C -.65	24
116	104	DNT	04C .49	24
118	104	DNT	07C .32	24
118	104	DNT	04C .38	24
118	104	DNT	08C .30	24
118	104	DNT	08C -.78	24
120	104	DNT	07C .30	24
120	104	DNT	06C .40	24
120	104	DNT	04C .40	24
120	104	DNT	08C -.75	24
120	104	DNT	08C .22	24
109	105	DNT	07C .39	28
111	105	DNT	08C .31	28
111	105	DNT	07C .37	28
111	105	DNG	03C 18.57	28
113	105	DNT	07C .37	28
113	105	DNT	08C .31	28
115	105	DNT	07C .42	28
115	105	DNT	08C .31	28
115	105	DNT	04C .44	28
117	105	DNT	04C .44	28
117	105	DNT	07C .37	28
117	105	DNT	08C -.70	28

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
117	105	DNT	08C .31	28
119	105	DNT	08C -.79	20
119	105	DNT	07C .38	20
119	105	DNT	04C .41	20
119	105	DNT	08C .25	20
28	106	DNG	04C 3.52	22
106	106	DNT	07C .39	28
106	106	DNT	08C .36	28
108	106	DNT	07C .39	28
112	106	DNT	07C .39	28
112	106	DNT	08C .36	28
114	106	DNT	07C .31	28
116	106	DNT	07C .34	28
116	106	DNT	08C .29	28
116	106	DNT	04C .42	28
118	106	DNT	08C -.76	28
118	106	DNT	04C -.70	28
118	106	DNT	04C .42	28
118	106	DNT	08C .29	28
118	106	DNT	07C .36	28
118	106	DNT	07C -.65	28
103	107	DNG	A6 5.53	24
107	107	DNT	07C .38	24
107	107	DNT	08C -.64	24
109	107	DNT	08C .40	24
111	107	DNT	07C .43	24
111	107	DNT	06C .46	24
111	107	DNT	08C .40	24
113	107	DNT	07C .46	24
115	107	DNT	04C .54	24
115	107	DNT	07C -.73	24
115	107	DNT	07C .27	24
117	107	DNT	08C -.78	24
117	107	DNT	08C .24	24
117	107	DNT	04C .54	24
117	107	DNT	07C .30	24
30	108	DNG	04C 20.90	32
36	108	DNG	04C 32.69	32
102	108	DNG	A12 5.29	30
102	108	DNT	A11 .08	30
106	108	DNG	TSH 12.74	30
110	108	DNT	07C .40	30
112	108	DNT	07C .48	30
112	108	DNT	08C .38	30
112	108	DNT	08C -.65	30

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
114	108	DNT	07C .24	30
114	108	DNT	08C .40	30
114	108	DNG	A14 7.95	30
116	108	DNT	08C .27	30
116	108	DNT	04C .51	30
116	108	DNT	07C .43	30
116	108	DNT	08C -.75	30
73	109	DNG	01C 31.18	28
105	109	DNT	07C .39	28
111	109	DNT	07C .34	28
111	109	DNT	08C -.75	28
111	109	DNT	08C .26	28
113	109	DNT	07C .36	28
113	109	DNT	07C -.70	28
115	109	DNT	07C .31	28
115	109	DNT	08C -.78	28
115	109	DNT	08C .29	28
40	110	DNG	TSC 2.99	32
104	110	DNT	08C -.73	32
108	110	DNT	08C .31	32
108	110	DNT	07C .39	32
110	110	DNT	08C -.60	32
112	110	DNT	07C .34	32
112	110	DNT	08C .29	32
114	110	DNT	07C .36	32
114	110	DNT	08C .29	32
114	110	DNG	A8 10.13	32
116	110	DNG	A14 15.96	30
116	110	DNT	08C .30	30
116	110	DNT	08C -.65	30
116	110	DNT	07C .40	30
116	110	DNT	07C -.73	30
116	110	DNG	09H 12.97	30
116	110	DNG	A2 8.84	30
116	110	DNG	A10 15.34	30
17	111	DNG	04C 26.71	42
17	111	DNG	A16 5.58	42
69	111	DNG	01C 27.68	42
93	111	DNT	06C .05	42
105	111	DNT	08C -.75	42
105	111	DNT	08C .32	42
107	111	DNT	08C .32	42
107	111	DNT	07C .35	42
109	111	DNT	08C -.80	42
109	111	DNT	08C .27	42

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
111	111	DNT	08C -.80	42
113	111	DNT	08C .24	42
113	111	DNT	08C -.77	42
113	111	DNT	07C .43	42
115	111	DNT	07C .40	42
115	111	DNT	08C -.69	42
18	112	DNG	08C 34.40	44
106	112	DNT	07C .45	42
106	112	DNT	08C .40	42
108	112	DNT	07C .32	42
108	112	DNG	08C -.83	42
110	112	DNT	08C .29	42
110	112	DNG	08C -.83	42
112	112	DNT	07C .29	42
112	112	DNT	08C .29	42
112	112	DNG	08C -.85	42
114	112	DNT	07C .29	42
114	112	DNG	08C -.83	42
114	112	DNT	07C -.77	42
114	112	DNT	08C .29	32
114	112	DNT	08C -.80	32
114	112	DNT	07C .36	32
114	112	DNT	07C -.72	32
114	112	DNT	08C .24	42
11	113	DNG	A1 1.87	42
15	113	DNG	09H 7.54	40
57	113	DNG	08H 35.06	40
99	113	DNG	04H 7.17	40
103	113	DNT	07C .39	40
105	113	DNT	08C .34	40
105	113	DNT	07C .36	40
109	113	DNT	08C .31	40
109	113	DNT	07C .31	40
109	113	DNG	08C -.81	40
111	113	DNT	08C .31	40
111	113	DNT	08C -.78	40
111	113	DNT	07C .34	40
113	113	DNG	07C -.84	40
113	113	DNT	07C .37	40
113	113	DNT	08C -.70	40
113	113	DNT	08C .26	40
22	114	DNG	09H 3.49	46
44	114	DNG	A14 2.81	46
102	114	DNT	07C .42	40
104	114	DNT	07C .36	40

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
106	114	DNT	07C .39	40
106	114	DNT	08C -.75	40
108	114	DNT	08C -.80	40
110	114	DNT	08C .29	40
110	114	DNT	07C -.67	40
110	114	DNT	08C -.78	40
112	114	DNT	08C -.78	40
112	114	DNT	07C -.75	40
112	114	DNT	07C .28	40
97	115	DNT	07C -.69	48
97	115	DNT	08C -.69	48
101	115	DNT	07C .47	48
103	115	DNT	07C .41	48
103	115	DNT	08C -.77	48
103	115	DNT	07C .36	48
105	115	DNG	08C -.83	48
107	115	DNT	08C -.80	48
109	115	DNT	08C .30	48
109	115	DNT	08C -.80	48
109	115	DNT	07C -.74	48
111	115	DNT	07C -.71	44
111	115	DNT	08C -.79	44
111	115	DNT	08C .25	44
111	115	DNT	07C .30	44
111	115	DNT	07C .33	48
111	115	DNT	07C -.74	48
111	115	DNT	08C -.69	48
14	116	DNG	04C 19.10	48
34	116	DNG	05C 13.01	48
96	116	DNT	08C -.71	48
100	116	DNT	07C .46	48
102	116	DNT	08C -.79	48
104	116	DNT	08C -.77	48
106	116	DNT	07C .41	48
106	116	DNT	07C -.71	48
106	116	DNG	08C -.82	48
108	116	DNT	08C .22	48
108	116	DNT	07C -.74	48
110	116	DNT	07C -.71	48
110	116	DNT	08C .22	48
110	116	DNT	08C -.74	48
110	116	DNT	07C .30	48
13	117	DNG	06C 12.54	50
13	117	DNT	A1 -.03	50
15	117	DNG	08H 31.73	50

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
99	117	DNT	07C .38	50
99	117	DNT	08C .33	50
103	117	DNT	07C .33	50
103	117	DNG	08C -.84	50
103	117	DNT	07C -.76	50
105	117	DNG	08C -.84	50
105	117	DNT	07C -.76	50
105	117	DNT	07C .33	50
107	117	DNT	07C .35	50
107	117	DNT	08C -.79	50
107	117	DNT	07C -.79	50
109	117	DNT	08C .30	50
109	117	DNG	08C -.87	50
109	117	DNT	07C .30	50
109	117	DNT	07C -.76	50
100	118	DNT	07C .38	50
102	118	DNT	07C .35	50
102	118	DNT	08C -.79	50
102	118	DNT	07C -.76	50
104	118	DNT	07C .27	50
104	118	DNT	07C -.76	50
104	118	DNG	03C 7.22	50
106	118	DNT	08C .22	50
106	118	DNG	08C -.84	50
106	118	DNT	07C -.79	50
106	118	DNT	07C .35	50
108	118	DNG	08C -.84	50
108	118	DNT	07C .30	50
108	118	DNT	07C -.76	50
81	119	DNG	A4 9.21	48
91	119	DNT	07C -.68	48
95	119	DNT	07C .46	48
97	119	DNT	07C .44	48
99	119	DNT	08C -.79	48
101	119	DNT	07C .41	48
103	119	DNT	07C -.74	48
103	119	DNT	08C -.77	48
105	119	DNG	08C -.82	48
105	119	DNT	08C .28	48
105	119	DNT	07C .33	48
105	119	DNT	07C -.77	48
107	119	DNT	08C .28	48
107	119	DNG	08C -.82	48
107	119	DNT	07C -.71	48
107	119	DNT	07C .25	48



## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
24	120	DNG	03C 15.53	52
50	120	DNG	03C 32.88	52
58	120	DNG	03C 9.36	52
96	120	DNT	08C -.66	52
96	120	DNG	03C 1.81	52
96	120	DNT	07C .44	52
98	120	DNT	08C -.77	52
102	120	DNT	07C -.66	52
104	120	DNT	07C .30	52
104	120	DNT	07C -.79	52
104	120	DNT	08C .30	52
104	120	DNT	08C -.79	52
106	120	DNT	07C .30	52
106	120	DNT	07C -.66	52
106	120	DNG	08H 36.55	52
106	120	DNT	08C .27	52
106	120	DNT	08C -.74	52
97	121	DNT	07C .35	50
97	121	DNG	08C -.84	50
99	121	DNG	08C -.81	50
99	121	DNT	07C -.76	50
101	121	DNT	07C -.76	50
101	121	DNT	07C .38	50
101	121	DNT	08C -.79	50
101	121	DNT	08C .27	50
103	121	DNT	08C .27	50
103	121	DNT	07C -.73	50
103	121	DNT	07C .35	50
103	121	DNG	08C -.81	50
105	121	DNT	07C -.79	50
105	121	DNG	08C -.84	50
105	121	DNT	08C .27	50
105	121	DNT	07C .30	50
98	122	DNG	08C -.84	54
100	122	DNG	08C -.84	54
100	122	DNT	07C -.76	54
100	122	DNT	07C .32	54
102	122	DNT	08C -.78	54
102	122	DNT	08C .22	54
102	122	DNT	07C .30	54
102	122	DNT	07C -.79	54
104	122	DNT	07C -.79	54
104	122	DNT	07C .27	54
83	123	DNT	07C -.71	52
93	123	DNG	08C -.82	52

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
95	123	DNT	07C .33	52
95	123	DNT	08C .38	52
95	123	DNT	08C -.77	52
95	123	DNG	07H 28.42	52
95	123	DNT	07C -.74	52
97	123	DNT	08C -.79	52
97	123	DNT	07C -.71	52
99	123	DNT	07C -.77	52
99	123	DNT	07C .27	52
99	123	DNT	08C -.77	52
101	123	DNT	08C .25	52
101	123	DNT	08C -.79	52
101	123	DNT	07C .30	52
101	123	DNT	07C -.77	52
34	124	DNG	03C 8.05	52
80	124	DNT	07C -.68	52
82	124	DNT	07C -.68	52
96	124	DNG	08C -.82	52
98	124	DNT	07C -.71	52
98	124	DNT	08C .27	52
98	124	DNT	07C .36	52
98	124	DNG	08C -.82	52
100	124	DNT	07C .30	52
100	124	DNT	08C -.77	52
100	124	DNT	08C .33	52
100	124	DNT	07C -.77	52
63	125	DNG	03C 18.59	54
93	125	DNG	08C -.84	54
95	125	DNT	07C -.76	54
97	125	DNG	07C -.84	54
99	125	DNT	07C -.76	54
99	125	DNT	08C -.78	54
99	125	DNT	07C .27	54
99	125	DNT	08C .27	54
76	126	DNT	07C -.68	54
78	126	DNT	07C -.73	54
94	126	DNT	07C -.79	54
96	126	DNT	07C -.79	54
96	126	DNT	08C -.78	54
98	126	DNT	08C -.78	54
98	126	DNT	07C .30	54
98	126	DNT	07C -.70	54
15	127	DNG	FBC 11.85	52
51	127	DNG	08C 15.42	52
63	127	DNT	07H .49	52

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
75	127	DNT	07C -.71	52
77	127	DNT	A3 .33	56
85	127	DNT	08C -.69	56
87	127	DNT	08C -.74	56
89	127	DNT	07C -.74	56
93	127	DNT	07C -.74	56
93	127	DNG	08C -.85	56
95	127	DNT	07C .30	56
95	127	DNT	07C -.74	56
95	127	DNG	08C -.82	56
97	127	DNT	07C -.77	56
97	127	DNG	08C -.82	56
97	127	DNT	07C .27	56
88	128	DNT	07C -.66	56
90	128	DNT	07C -.79	56
92	128	DNG	08C -.82	56
92	128	DNT	07C -.72	56
94	128	DNT	08C -.74	56
94	128	DNT	07C .46	56
96	128	DNT	07C .30	56
96	128	DNT	07C -.74	56
96	128	DNT	08C .25	56
96	128	DNG	08C -.85	56
37	129	DNT	03C .19	54
81	129	DNT	07C .38	58
81	129	DNG	08C -.81	58
87	129	DNG	08C -.87	58
89	129	DNT	07C -.78	58
89	129	DNG	08C -.84	58
93	129	DNT	07C .30	58
16	130	DNG	A16 6.25	58
74	130	DNG	01H 22.72	58
76	130	DNT	07C .38	58
84	130	DNG	08C -.84	58
86	130	DNG	08C -.87	58
88	130	DNT	07C -.78	58
88	130	DNG	08C -.87	58
90	130	DNT	07C .30	58
90	130	DNT	07C -.78	58
92	130	DNG	07C -.81	58
49	131	DNG	02C 7.01	56
73	131	DNT	07C .47	56
81	131	DNT	07C -.74	56
83	131	DNT	07C -.74	56
85	131	DNG	08C -.85	56

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
85	131	DNT	07C -.74	56
87	131	DNT	07C -.69	56
89	131	DNT	08C -.76	56
89	131	DNT	07C .33	56
89	131	DNT	07C -.71	56
91	131	DNG	08C -.82	56
91	131	DNT	07C -.74	56
91	131	DNT	07C .30	56
20	132	DNG	A16 7.21	56
62	132	DNT	07C -.66	56
78	132	DNG	08C 36.33	56
78	132	DNT	08C -.74	56
80	132	DNT	07C -.77	56
82	132	DNT	07C -.77	56
82	132	DNT	08C -.77	56
84	132	DNT	07C -.71	56
84	132	DNT	08C -.79	56
86	132	DNT	07C -.76	56
88	132	DNG	08C -.82	56
88	132	DNT	07C -.71	56
59	133	DNT	07C -.65	58
59	133	DNT	08C -.73	58
71	133	DNT	08C -.78	58
75	133	DNT	08C -.79	58
79	133	DNT	08C -.73	58
81	133	DNT	07C -.73	58
81	133	DNT	08C -.66	58
83	133	DNT	08C -.62	58
83	133	DNT	07C -.76	58
85	133	DNT	07C -.78	58
85	133	DNT	07C .32	58
85	133	DNT	08C -.71	58
87	133	DNT	07C -.73	58
87	133	DNT	07C .38	58
87	133	DNT	08C -.62	58
54	134	DNT	08C -.62	58
62	134	DNT	01C .40	58
68	134	DNG	08H 10.71	58
72	134	DNT	08C -.68	58
74	134	DNT	08C -.49	58
78	134	DNT	07C -.76	58
78	134	DNT	08C -.67	58
80	134	DNT	07C -.54	58
80	134	DNT	08C -.54	58
82	134	DNT	08C -.49	58

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
82	134	DNT	07C -.49	58
84	134	DNT	07C .32	58
84	134	DNT	07C -.49	58
84	134	DNT	08C -.74	58
86	134	DNT	07C .40	58
86	134	DNT	07C -.65	58
23	135	DNG	A6 5.47	56
53	135	DNT	07C -.63	56
59	135	DNG	02H 1.11	56
69	135	DNT	08C -.63	56
73	135	DNT	08C -.66	56
73	135	DNT	07C .49	56
73	135	DNT	07C -.74	56
75	135	DNT	08C -.74	56
77	135	DNG	08C -.82	56
77	135	DNT	07C -.74	56
79	135	DNT	07C -.74	56
79	135	DNG	08C -.85	56
81	135	DNT	07C .33	56
81	135	DNT	07C -.74	56
81	135	DNT	08C -.77	56
83	135	DNT	07C .30	56
83	135	DNT	07C -.77	56
83	135	DNT	08C -.79	56
48	136	DNT	07C -.68	56
50	136	DNT	08C -.79	56
50	136	DNT	07C -.66	56
70	136	DNT	08C -.79	56
72	136	DNT	08C -.79	56
74	136	DNT	07C -.74	56
74	136	DNT	08C -.77	56
76	136	DNT	07C -.77	56
76	136	DNG	08C -.85	56
78	136	DNG	08C -.82	56
78	136	DNT	07C .44	56
78	136	DNT	07C -.79	56
80	136	DNT	07C .33	56
80	136	DNT	07C -.71	56
80	136	DNT	08C -.71	56
82	136	DNG	08C -.85	56
82	136	DNT	07C .30	56
82	136	DNT	07C -.71	56
45	137	DNT	07C -.54	58
63	137	DNT	07C -.59	58
65	137	DNT	07C -.59	58

## Dents and Dings

1RSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
67	137	DNT	08C -.54	58
69	137	DNT	08C -.46	58
69	137	DNT	07C -.51	58
73	137	DNT	08C -.51	58
73	137	DNT	07C -.49	58
75	137	DNT	07C -.51	58
75	137	DNT	08C -.43	58
77	137	DNT	07C -.46	58
77	137	DNT	08C -.51	58
77	137	DNT	07C .57	58
79	137	DNT	07C .48	58
79	137	DNT	07C -.65	58
34	138	DNG	FBC 5.19	58
42	138	DNT	08C -.51	58
42	138	DNT	07C -.40	58
62	138	DNT	08C -.48	58
64	138	DNT	07C -.48	58
64	138	DNT	08C -.51	58
66	138	DNT	08C -.46	58
68	138	DNT	07C -.51	58
68	138	DNT	08C -.59	58
70	138	DNT	08C -.59	58
70	138	DNT	07C -.46	58
72	138	DNT	07C -.54	58
72	138	DNT	08C -.49	58
74	138	DNT	07C -.54	58
74	138	DNT	08C -.57	58
76	138	DNT	07C .32	58
76	138	DNT	07C -.59	58
78	138	DNT	07C .32	58
78	138	DNT	07C -.49	58
27	139	DNG	09H 7.65	62
59	139	DNT	07C -.73	60
63	139	DNT	08C -.79	60
63	139	DNT	07C -.68	60
65	139	DNT	07C -.71	60
67	139	DNT	08C -.79	60
67	139	DNT	07C -.79	60
69	139	DNT	07C -.76	60
69	139	DNT	08C -.79	60
71	139	DNT	08C -.79	60
71	139	DNT	07C -.76	60
73	139	DNT	08C -.79	60
73	139	DNT	07C -.74	60
73	139	DNT	07C .35	60

## Dents and Dings

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ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
75	139	DNT	08C -.76	60
75	139	DNT	07C .27	60
75	139	DNT	07C -.79	60
56	140	DNT	08C -.71	60
58	140	DNT	07C -.71	60
58	140	DNT	08C -.79	60
60	140	DNT	07C -.71	60
64	140	DNT	08C -.76	60
64	140	DNT	07C -.74	60
66	140	DNT	07C -.79	60
66	140	DNT	08C -.76	60
68	140	DNT	08C -.79	60
68	140	DNT	07C -.79	60
70	140	DNT	07C -.71	60
70	140	DNT	07C .35	60
70	140	DNT	08C -.76	60
72	140	DNT	08C -.79	60
72	140	DNT	07C -.79	60
33	141	DNG	03C 3.71	62
57	141	DNT	07C -.57	62
57	141	DNT	08C -.62	62
61	141	DNT	07C -.65	62
61	141	DNT	08C -.62	62
63	141	DNT	08C -.49	62
63	141	DNT	07C -.65	62
65	141	DNT	08C -.54	62
65	141	DNT	07C -.51	62
65	141	DNT	07C .35	62
67	141	DNT	08C -.62	62
67	141	DNT	07C .35	62
67	141	DNT	07C -.54	62
69	141	DNT	07C .38	62
69	141	DNT	07C -.57	62
69	141	DNT	08C -.70	62
71	141	DNT	08C -.70	62
71	141	DNT	07C -.76	62
71	141	DNT	07C .27	62
14	142	DNG	01C 3.63	62
52	142	DNT	08C -.75	62
56	142	DNT	08C -.51	62
58	142	DNT	08C -.59	62
58	142	DNT	07C -.59	62
60	142	DNT	07C -.51	62
60	142	DNT	08C -.59	62
62	142	DNT	08C -.67	62

## Dents and Dings

IRSG 12272

ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
62	142	DNT	07C .49	62
62	142	DNT	07C -.59	62
64	142	DNT	07C -.59	62
64	142	DNT	07C .57	62
64	142	DNT	08C -.62	62
66	142	DNT	07C -.54	62
66	142	DNT	07C .46	62
68	142	DNT	08C -.59	62
68	142	DNT	07C -.54	62
68	142	DNT	07C .49	62
55	143	DNT	08C -.76	60
57	143	DNT	08C -.79	60
57	143	DNT	07C -.73	60
59	143	DNT	07C -.76	60
59	143	DNT	08C -.76	60
61	143	DNT	07C -.71	60
61	143	DNT	08C -.76	60
61	143	DNT	07C .33	60
63	143	DNT	07C .33	60
63	143	DNT	08C -.79	60
63	143	DNT	07C -.79	60
65	143	DNT	07C -.73	60
65	143	DNT	07C .38	60
65	143	DNT	08C -.76	60
12	144	DNG	04C 33.33	64
18	144	DNG	08C 34.67	64
20	144	DNG	03C 23.46	64
24	144	DNG	03C 8.57	64
52	144	DNT	08C -.79	60
56	144	DNT	07C -.71	60
56	144	DNT	08C -.73	60
56	144	DNT	07C -.71	60
56	144	DNT	08C -.76	60
58	144	DNT	08C -.79	60
58	144	DNT	07C .33	60
58	144	DNT	07C -.79	60
60	144	DNT	07C -.73	60
60	144	DNT	07C .33	60
60	144	DNT	08C -.73	60
62	144	DNT	07C -.73	60
62	144	DNT	07C .33	60
62	144	DNT	08C -.70	60
21	145	DNG	FBC 8.03	62
49	145	DNG	04C 35.63	62
49	145	DNT	08C -.62	62



## Dents and Dings

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ROW	COLUMN	INDICATION	LOCATION	CAL NUMBER
55	145	DNT	08C -.59	62
55	145	DNT	07C -.59	62
57	145	DNT	07C .40	62
57	145	DNT	07C -.57	62
59	145	DNG	08C -.81	62
59	145	DNT	07C -.57	62
59	145	DNT	07C .48	62
36	146	DNG	03C 11.85	66
42	146	DNG	A3 -1.89	66
52	146	DNT	08C -.76	66
52	146	DNT	07C -.57	66
54	146	DNT	07C -.62	66
56	146	DNT	07C -.65	66
56	146	DNT	08C -.71	66
49	147	DNT	07C .35	66
51	147	DNT	07C -.65	66
51	147	DNT	07C .32	66
53	147	DNT	07C -.73	66
53	147	DNT	07C .32	66
50	148	DNT	07C .27	66
50	148	DNT	07C -.67	66
35	151	DNG	01C 7.89	66