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October 25, 2004

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: **Docket No. 50-362**
Special Report: Inservice Inspection of Steam Generator Tubes, Cycle 13
San Onofre Nuclear Generating Station, Unit 3

Reference: Steam Generator Program Guidelines, Nuclear Energy Institute Document Number NEI 97-06, Revision 1

Gentlemen:

On October 14, 2004, Southern California Edison (SCE) completed the inservice inspection of steam generator tubes at San Onofre Nuclear Generating Station Unit 3. The attached report is submitted in accordance with Technical Specification (TS) 5.7.2.c reporting requirements:

- Report the number of tubes plugged in each steam generator within 15 days of completing the inspection;
- Report the complete results of steam generator tube inspections within 12 months of inspection completion.

The attachment to this letter, "Special Report: Inservice Inspection of Steam Generator Tubes," which was prepared in accordance with the referenced industry guidance, satisfies these reporting requirements. This report contains no new commitments.

Independent from the TS 5.7.2.c reporting requirements, this report also incorporates results of a secondary side inspection of eggcrate tube supports using remote video equipment.

If you require any additional information, please advise.

Sincerely,

Attachments

cc: B. S. Mallett, NRC Regional Administrator, Region IV
B. M. Pham, NRC Project Manager, San Onofre Units 2 & 3
C. C. Osterholtz, NRC Senior Resident Inspector, San Onofre Units 2 & 3
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SPECIAL REPORT: INSERVICE INSPECTION OF STEAM GENERATOR TUBES

Regulatory Reporting Requirements

Reporting Requirement 5.7.2.c of Appendix A, Technical Specification to Facility Operating License NPF-15, requires the number of tubes plugged and tubes sleeved in each steam generator to be reported to the Nuclear Regulatory Commission within 15 days following completion of the inspection.

Reporting Requirement 5.7.2.c of Appendix A, Technical Specification to Facility Operating License NPF-15, requires the complete results of steam generator tube inservice inspection to be reported to the Nuclear Regulatory Commission within 12 months following completion of the inspection.

Inspection Scope

Tables 1 and 2 summarize the inspection scope. Also, when indications by the bobbin probe were non-quantifiable or distorted, the inspection program included inspection with the Plus-Point Probe. Table 3 provides the list of Nondestructive Examination (NDE) techniques utilized for each degradation mechanism.

Inspection Scope Expansion

Row 3 of Tables 1 and 2 shows the only significant inspection program scope expansion in response to inspection results. In response to one indication, the planned cold leg top-of-tubesheet rotating plus point probe inspection (30% in SG E-088 and 29% in SG E-089) was expanded to 100% in both steam generators. No indications were detected in this expanded scope inspection. Additional Information on this expansion response follows.

One circumferential indication was detected at the cold leg top-of-tubesheet in Steam Generator E-089 during planned rotating plus point probe inspection. That indication, in Tube Row 51 Column 129 at TSC + 0.06 inches, had an amplitude of 0.14 volts and a phase angle indicative of outside diameter initiation. The indication's rotating plus point probe data was used to produce the following size information. The indication's maximum depth was 39% and the length was 0.24 inches (approximately 37 degrees of the 360 degree circumference of the tube).

Results

This report satisfies the listed regulatory reporting requirements.

Table 4 summarizes the number of tubes repaired and active degradation mechanisms found. Each tube is only counted once in this listing, although it may also have an eddy current indication of a type below the point in the listing where it appears. The Appendices provide the complete results of the steam generator tubing inservice inspection.

Condition Monitoring was performed on all rotating plus point probe indications using established criteria. All indications were within the criteria acceptance range. Thus, there was no insitu pressure or leak testing of tubing. Condition Monitoring results provide assurance that performance criteria in the NEI guidance (structural integrity and accident-induced leakage) were met during operation prior to this inspection.

Results of Secondary Side Inspection (SSI) of Eggcrate Tube Supports

Visual inspections of the steam generator tube lattice supports for both steam generators at SONGS Unit 3 were completed using remote video equipment. The Unit 3 Cycle 13 (U3C13) inspection encompassed 17 camera drops on each of the two steam generators. These inspections were conducted from the fifth to the tenth or uppermost lattice support structure.

The results indicate no evidence of ongoing Flow Accelerated Corrosion (FAC). These results are similar to the last lattice inspection on Unit 3 conducted in the Cycle 11 refueling outage. Using the conservative plugging criteria developed from the initial FAC discovery, no tubes were plugged.

Repair of Tubes

Tables 5 and 6 list the tubes repaired by plugging for each steam generator. Although approved for use, sleeves have not been used to date in Unit 3.

Table 5 provides an itemized listing of the tubes plugged in steam generator E-088 along with the corresponding Table 4 category specifying the indication orientation/location.

Table 6 provides an itemized listing of the tubes plugged in steam generator E-089 along with the corresponding Table 4 category specifying the indication orientation/location.

Repair Methods, Number of Tubes Repaired and Effective Plugging Percentage

All tube plugging was performed using the design, materials, and installation methods of AREVA. A "roll" method was used for all tube plugs. Three tubes in Steam Generator E-088 and five tubes in Steam Generator E-089 were "stabilized" in the vicinity of the top of the tubesheet using the design, materials, and installation methods of AREVA.

46 tubes were plugged in Steam Generator E-088 during the Cycle 13 refueling outage. A total of 704 tubes have been plugged. No tubes have ever been sleeved in this steam generator. The design number of tubes is 9350 tubes. The effective plugging percentage for E-088 is 7.6%.

62 tubes were plugged in Steam Generator E-089 during the Cycle 13 refueling outage. A total of 651 tubes have been plugged. No tubes have ever been sleeved in this steam generator. The design number of tubes is 9350 tubes. The effective plugging percentage for E-089 is 7.0%.

Description of Tables and Appendices

Table 1 - Summary of the Inspection Scope for Steam Generator E-088 for the U3C13 Refueling Outage

Table 2 - Summary of the Inspection Scope for Steam Generator E-089 for the U3C13 Refueling Outage

Table 3 - List of Nondestructive Examination (NDE) Techniques Utilized for Each Degradation Mechanism for the U3C13 Refueling Outage

Table 4 - Number of Tubes Repaired and Active Degradation Mechanisms Found During the U3C13 Refueling Outage

Table 5 - U3C13 Refueling Outage Tubes Plugged, Steam Generator E-088

Table 6 - U3C13 Refueling Outage Tubes Plugged, Steam Generator E-089

Appendix 1 - Steam Generator Reference Information

Appendix 2 - Legend for Appendices 3 and 4

Appendix 3 - Inspection Summary, Steam Generator E-088

Appendix 4 - Inspection Summary, Steam Generator E-089

TABLE 1 - Summary of the Inspection Scope for Steam Generator E-088 for the U3C13 Refueling Outage

Inspection Scope Item	Number of Tubes / % of Tubes In Steam Generator E-088	
	Planned	Actual
Full length of tube with the Bobbin Probe (excluding U-bends for Rows 1-3)	8692 / 100%	8692 / 100%
Hot leg top-of-tubesheet with the Plus-Point Probe (to 16 inches below the expansion transition)	8692 / 100%	8692 / 100%
Cold leg top-of-tubesheet with the Plus-Point Probe	2623 / 30%	8692 / 100%
U-bend regions of Rows 1, 2, and 3 with both mid and high frequency Plus-Point Probes	184 / 100%	184 / 100%
U-bend regions of Rows 4 through 10 with mid-frequency Plus-Point Probes	432 / 100%	432 / 100%
Plus-Point Probe examinations of tube support intersections with dents greater than, or equal to, 2 volts	All / 100%	298 / 100%
Plus-Point Probe examinations of dings greater than, or equal to, 4 volts	All / 100%	305 / 100%
Plus-Point Probe examination of all tube support intersections with quantified wear indications by the bobbin probe	All / 100%	843 / 100%
Plus-Point Probe examinations of hot leg scallop bar supports with the above adjacent hot leg square bend and the below one support elevation of tubing freespan	75 / 20%	75 / 20%

TABLE 2 - Summary of the Inspection Scope for Steam Generator E-089 for the U3C13 Refueling Outage

Inspection Scope Item	Number of Tubes / % of Tubes In Steam Generator E-089	
	Planned	Actual
Full length of tube with the Bobbin Probe (excluding U-bends for Rows 1-3)	8761 / 100%	8761 / 100%
Hot leg top-of-tubesheet with the Plus-Point Probe (to 16 inches below the expansion transition)	8761 / 100%	8761 / 100%
Cold leg top-of-tubesheet with the Plus-Point Probe	2610 / 29%	8761 / 100%
U-bend regions of Rows 1, 2, and 3 with both mid and high frequency Plus-Point Probes	174 / 100%	174 / 100%
U-bend regions of Rows 4 through 10 with mid-frequency Plus-Point Probes	449 / 100%	449 / 100%
Plus-Point Probe examinations of tube support intersections with dents greater than, or equal to, 2 volts	All / 100%	327 / 100%
Plus-Point Probe examinations of dings greater than, or equal to, 4 volts	All / 100%	400 / 100%
Plus-Point Probe examination of all tube support intersections with quantified wear indications by the bobbin probe	All / 100%	592 / 100%
Plus-Point Probe examinations of hot leg scallop bar supports with the above adjacent hot leg square bend and the below one support elevation of tubing freespan	73 / 20%	73 / 20%

TABLE 3 – List of Nondestructive Examination (NDE) Techniques Utilized for Each Degradation Mechanism for the U3C13 Refueling Outage

Table 5 Category	Indication Orientation / Location	Probe Type for Detection	Probe Type for Characterization
1	Circumferentially oriented ID indications near the expansion transition at the top of the hot leg tubesheet	Plus Point	Plus Point
2, 3	Circumferentially oriented OD indications near the expansion transition at the top of the hot or cold leg tubesheet	Plus Point	Plus Point
4	Axially oriented ID indications below the expansion transition at the top of the hot leg tubesheet	Bobbin	Plus Point
5	Circumferentially oriented ID indications below the expansion transition at the top of the hot leg tubesheet	Plus Point	Plus Point
6	Indications of wear at tube support locations	Bobbin	Plus Point
7, 8	Volumetric indications	Bobbin or Plus Point	Plus Point
9	Miscellaneous preventative plugging	Bobbin or Plus Point	Plus Point

TABLE 4 – Number of Tubes Repaired and Active Degradation Mechanisms Found During the U3C13 Refueling Outage

Category	Indication Orientation / Location	SG E-088	SG E-089
1	Tubes with circumferentially oriented ID indications near the expansion transition at the top of the hot leg tubesheet. (ID Circ @ TSH)	3	3
2	Tubes with circumferentially oriented OD indications near the expansion transition at the top of the hot leg tubesheet. (OD Circ @ TSH)	0	1
3	Tubes with circumferentially oriented OD indications near the expansion transition at the top of the cold leg tubesheet. (OD Circ @ TSC)	0	1
4	Tubes with axially oriented ID indications below the inlet top-of-tubesheet. (ID Axial below TSH)	1	6
5	Tubes with circumferentially oriented ID indications below the inlet top-of-tubesheet. (ID Circ below TSH)	6	2
6	Tubes with indications of wear at tube support locations. (Wear @ Support)	36	45
7	Tubes with apparent previous loose part wear (not an active degradation mechanism). (OD Vol @ TSH)	0	2
8	Tubes with miscellaneous volumetric indications (not an active degradation mechanism). (OD Vol @ Miscellaneous)	0	1
9	Tubes with Data Quality/ALARA complications (Data Quality @ Miscellaneous)	0	1
	Total	46	62

TABLE 5 – SONGS U3C13 Refueling Outage Tubes Plugged
STEAM GENERATOR E-088

Row	Column	Reason for Plugging Tube (per Table 4)
78	26	Wear @ Support
8	38	ID Circ @ TSH
10	56	ID Circ @ TSH
57	67	ID Circ below TSH
40	68	Wear @ Support
139	69	Wear @ Support
46	78	Wear @ Support
48	80	Wear @ Support
53	83	Wear @ Support
58	84	Wear @ Support
53	85	Wear @ Support
55	85	Wear @ Support
67	89	Wear @ Support
69	89	Wear @ Support
60	90	Wear @ Support
53	91	Wear @ Support
55	91	Wear @ Support
69	91	Wear @ Support
57	93	Wear @ Support
68	94	Wear @ Support
62	96	Wear @ Support
146	96	Wear @ Support
55	97	Wear @ Support
52	98	Wear @ Support
54	98	Wear @ Support
145	99	Wear @ Support
44	100	Wear @ Support
50	100	Wear @ Support
47	101	Wear @ Support
47	103	Wear @ Support
131	103	Wear @ Support
81	111	Wear @ Support
18	112	ID Axial below TSH

TABLE 5 (CONT.) – SONGS U3C13 Refueling Outage Tubes Plugged
STEAM GENERATOR E-088

Row	Column	Reason for Plugging Tube (per Table 4)
48	112	Wear @ Support
47	113	Wear @ Support
81	113	Wear @ Support
10	114	ID Circ below TSH
11	125	ID Circ below TSH
11	127	ID Circ @ TSH
48	128	Wear @ Support
8	132	ID Circ below TSH
11	139	ID Circ below TSH
80	140	Wear @ Support
11	149	ID Circ below TSH
54	156	Wear @ Support
14	174	Wear @ Support

TABLE 6 – SONGS U3C13 Refueling Outage Tubes Plugged
STEAM GENERATOR E-089

Row	Column	Reason for Plugging Tube (per Table 4)
27	3	OD Vol @ TSH
29	3	OD Vol @ TSH
65	27	Wear @ Support
46	36	Wear @ Support
38	40	Wear @ Support
27	47	ID Circ @ TSH
33	55	Wear @ Support
66	60	Wear @ Support
78	60	OD Vol @ Miscellaneous
27	61	ID Axial below TSH
31	63	ID Circ below TSH
9	65	Data Quality @ Miscellaneous
31	65	ID Axial below TSH
31	67	ID Axial below TSH
111	67	ID Circ below TSH
33	71	Wear @ Support
35	71	Wear @ Support
39	73	Wear @ Support
47	73	Wear @ Support
49	77	Wear @ Support
56	80	Wear @ Support
128	80	Wear @ Support
53	81	Wear @ Support
59	81	Wear @ Support
63	81	Wear @ Support
56	82	Wear @ Support
64	82	Wear @ Support
63	83	Wear @ Support
101	83	ID Circ @ TSH
55	85	Wear @ Support
61	85	Wear @ Support
58	86	Wear @ Support
62	88	Wear @ Support
55	89	Wear @ Support
58	90	Wear @ Support

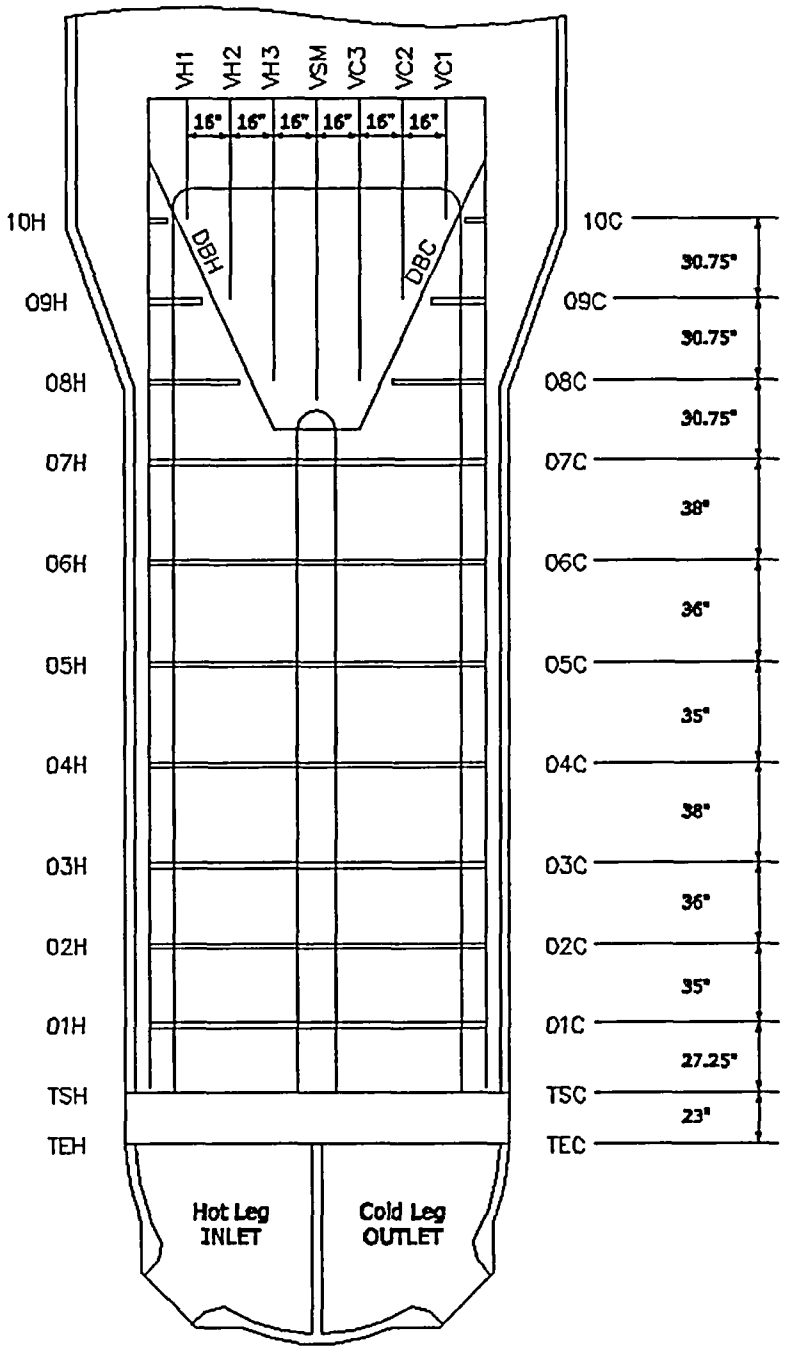
TABLE 6 (CONT.) – SONGS U3C13 Refueling Outage Tubes Plugged
STEAM GENERATOR E-089

Row	Column	Reason for Plugging Tube (per Table 4)
65	91	Wear @ Support
145	91	Wear @ Support
51	93	Wear @ Support
146	94	Wear @ Support
61	95	Wear @ Support
51	101	Wear @ Support
145	101	Wear @ Support
144	106	Wear @ Support
31	107	ID Axial below TSH
37	107	Wear @ Support
40	110	Wear @ Support
47	111	Wear @ Support
50	114	Wear @ Support
27	115	ID Axial below TSH
102	118	ID Axial below TSH
60	122	OD Circ @ TSH
57	123	Wear @ Support
110	124	Wear @ Support
79	125	Wear @ Support
51	129	OD Circ @ TSC
79	129	Wear @ Support
45	131	Wear @ Support
47	133	Wear @ Support
106	142	Wear @ Support
43	145	Wear @ Support
30	146	ID Circ @ TSH
78	160	Wear @ Support

Appendix 1

Steam Generator Reference Information

Steam Generator
CE Model 3410 Tube Support Drawing



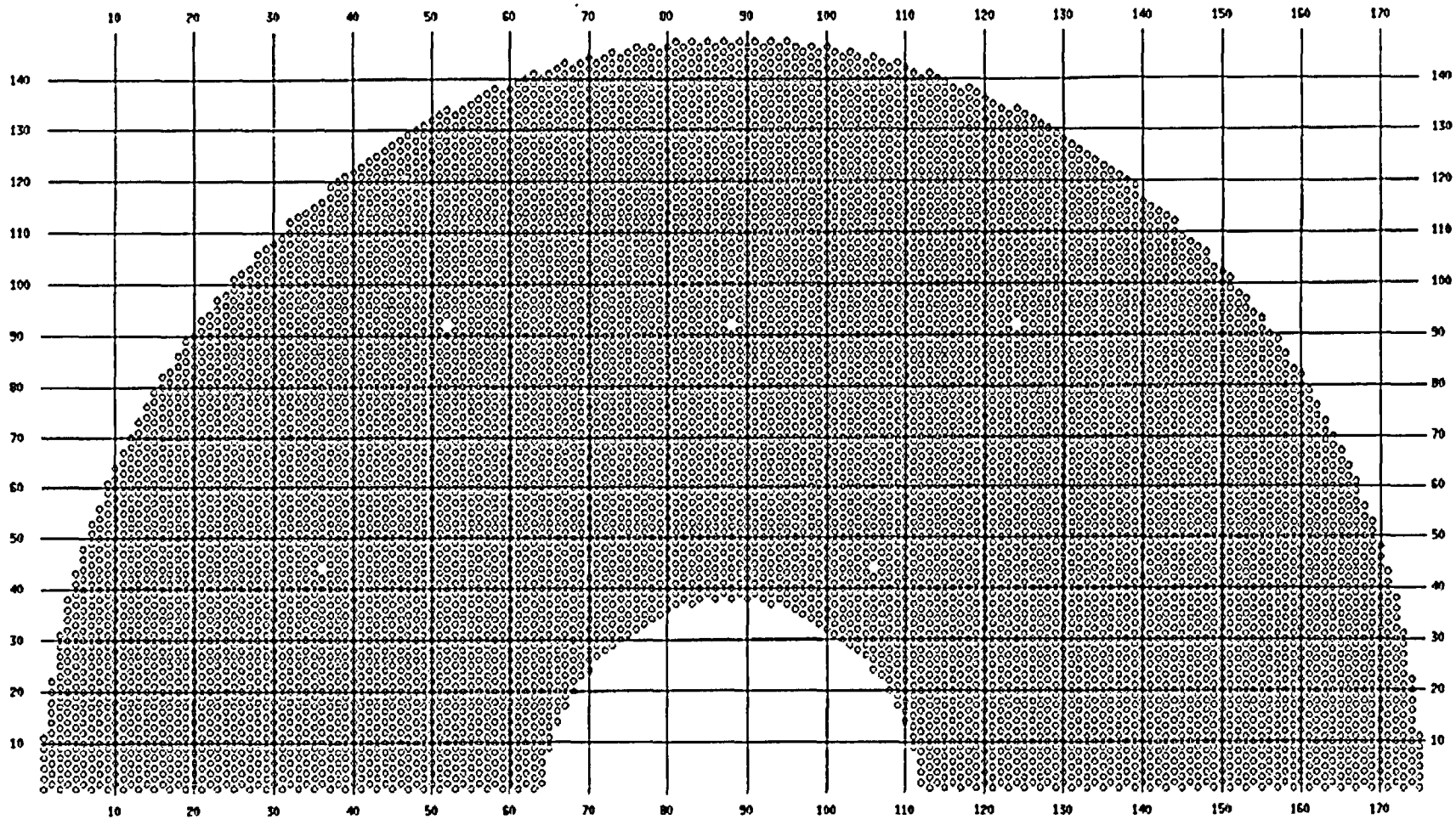
STEAM GENERATOR TUBE SUPPORT INTERSECTIONS ABOVE THE 7TH (FULL) EGGCRATE SUPPORT

SUPPORT INTERSECTIONS															
ROW	STRUCTURES														
122-147	08H	09H	10H	DBH	VH1	VH2	VH3	VSM	VC3	VC2	VC1	DBC	10C	09C	08C
120-121*	08H	09H	10H	DBH	VH1	VH2	VH3	VSM	VC3	VC2	VC1	DBC	10C	09C	08C
115-119	08H	09H		DBH	VH1	VH2	VH3	VSM	VC3	VC2	VC1	DBC		09C	08C
86-114	08H	09H		DBH		VH2	VH3	VSM	VC3	VC2		DBC		09C	08C
84-85*	08H	09H		DBH		VH2	VH3	VSM	VC3	VC2		DBC		09C	08C
83	08H			DBH		VH2	VH3	VSM	VC3	VC2		DBC			08C
51-82	08H			DBH			VH3	VSM	VC3			DBC			08C
49-50*	08H			DBH				VSM				DBC			08C
19-48				DBH				VSM				DBC			
1-18				DBH								DBC			

* Indicates those rows adjacent to scallop bars

SOUTHERN CALIFORNIA EDISON, SAN ONOFRE

CE MODEL 3410 STEAM GENERATOR



Appendix 2

Legend for Appendices 3 and 4

List of Abbreviations and Format Used to Describe Indications from Rotating Probe Testing

"I-Code" Abbreviations	Explanation of the Abbreviations
SCI	Single Circumferential Indication
MCI	Multiple Circumferential Indications
SAI	Single Axial Indication
MAI	Multiple Axial Indications
MMI	Mixed Mode Indications
SVI	Single Volumetric Indication (i.e. no special axial or circumferential aspect)
MVI	Multiple Volumetric Indications (i.e. no special axial or circumferential aspect)

Format

In Appendices 3 and 4, a single line of data is associated with each individual rotating probe indication. Below is a descriptive example of the format.

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
4	12	+P VOLTS	+P DEG	CH#	CODE	%	LOCATION	EXT	EXT	INCHES	INCHES	#	HOT OR COLD	TYPE CODE

1. *All "I-Code" indications require a single line entry. The example above displays the form of a Resolution Report line.* The VOLTS field contains the Plus-Point P-to-P voltage of the largest, most representative response. The DEG field contains the corresponding phase angle. The CHN field contains the reporting channel (i.e. the appropriate 300kHz Plus-Point channel). The IND field contains the appropriate 3-letter code (see list above). The %TW field indicates the percent wall loss for wear indications. The LOCATION field contains the abbreviation for the referenced landmark and the (FROM-TO) distance for the indication. The EXT fields contain the landmarks of the beginning and end of the test extent. The UTIL 1 field contains the axial or circumferential length. The UTIL 2 field was used to document the actual inspection distance below the hot leg top-of-tubesheet for applicable inspections. The CAL # field identifies the sequence number of the Calibration Group to obtain the data. The LEG field indicates the leg the probe originated from. The PROBE field contains the abbreviated identification of the type of probe used. Exceptions to this general guidance are provided in paragraphs 2 and 3 below.

2. For axial indications of extended length, the location should be ranged (FROM-TO) in the LOCATION field. If the range of *such an indication includes any part of a support structure, it should be referenced from that landmark.*

3. Some data lines contain a note abbreviation in the UTIL 1 or UTIL 2 column. These are the definitions of common abbreviations:
   LAR: Lead Analyst Reviewed
   LOCOK: Location Verification
   IDOK: Tube ID Verification
   HR: INF (indication not found) is reported and tube encode is correct

Appendix 3

Inspection Summary

Steam Generator E-088

Query Name : rpc_icodes_and_0-100%twd.qry

Query Title: MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

Selected Outages/Scopes: 10/04 RFO13 Out of Scope
10/04 RFO13 BOBBIN
10/04 RFO13 RPC TSH
10/04 RFO13 RPC TSC +1/-1
10/04 RFO13 RPC TSC +3/-1
10/04 RFO13 RPC UBENDS R1-3
10/04 RFO13 RPC UBENDS R4-10
10/04 RFO13 RPC 20% H/L SCALLOP BARS
10/04 RFO13 H/L SPECIAL INTEREST
10/04 RFO13 C/L SPECIAL INTEREST
10/04 RFO13 UBEND SPECIAL INTEREST
10/04 RFO13 Special Retest with RPC
10/04 RFO13 PLP and Boundings

Input Selected : All Tubes
Output File Selected :
Selected Indications : MAI,MCI,MMI,MVI,SAI,SCI,SVI,TWD,
Selected Probes : ALL
Selected Channels : ALL
Selected Cals : ALL
Selected Extent1 : ALL
Selected Extent2 : ALL
Selected Util 1 :
Selected Util 2 :
Selected Tube Heat :
TWD Range :
Volts Range :
Degrees Range :
Radius from Center Range :
Location Range :
Inspection Leg Queried : BOTH
Include In-Service or Out-Service Tubes : In-Service only
Advanced User Query :

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
7	1	0.27	45	P 3	TWD	11	DBC	+1.06	TEC	TEH			38	HOT	600UL
16	2	0.34	76	P 2	TWD	14	05H	-0.57	TEC	TEH			49	HOT	600UL
43	5	0.48	102	P 2	TWD	21	04C	-0.14	TEC	TEH			3	HOT	600UL
33	7	0.22	121	P 2	TWD	11	VSM	-0.92	TEC	TEH			3	HOT	600UL
35	7	0.32	53	P 2	TWD	12	VSM	-0.88	TEC	TEH			4	HOT	600UL
49	7	0.18	117	P 2	TWD	10	06H	-1.12	TEC	TEH			3	HOT	600UL
43	9	0.16	143	P 2	TWD	9	VSM	-0.86	TEC	TEH			3	HOT	600UL
67	11	0.33	133	P 2	TWD	16	VH3	-0.78	TEC	TEH			3	HOT	600UL
29	13	0.30	87	P 3	TWD	15	DBH	+1.25	TEC	TEH			3	HOT	600UL
43	13	0.39	137	P 2	TWD	15	VSM	-0.78	TEC	TEH			4	HOT	600UL
66	14	0.23	129	P 2	TWD	12	04C	-0.20	TEC	TEH			3	HOT	600UL
68	14	0.52	123	P 2	TWD	20	VH3	-0.95	TEC	TEH			4	HOT	600UL
70	14	0.49	135	P 2	TWD	22	VH3	+0.00	TEC	TEH			3	HOT	600UL
72	14	0.29	71	P 3	TWD	16	DBC	-1.73	TEC	TEH			3	HOT	600UL
69	15	0.32	150	P 2	TWD	16	VH3	-0.76	TEC	TEH			3	HOT	600UL
71	15	0.19	68	P 2	TWD	8	VH3	-0.73	TEC	TEH			4	HOT	600UL
		0.18	85	P 2	TWD	8	VSM	-1.02	TEC	TEH			4	HOT	600UL
75	15	0.09	26	P 3	TWD	4	DBC	-1.85	TEC	TEH			4	HOT	600UL
		0.14	192	P 3	TWD	7	DBC	+2.12	TEC	TEH			4	HOT	600UL
77	15	0.25	99	P 3	TWD	14	DBC	-1.81	TEC	TEH			3	HOT	600UL
51	17	0.23	129	P 2	TWD	13	VH3	+0.74	TEC	TEH			7	HOT	600UL
22	18	0.29	43	P 2	TWD	15	VSM	-0.82	TEC	TEH			7	HOT	600UL
67	19	0.27	89	P 2	TWD	15	VH3	-0.98	TEC	TEH			7	HOT	600UL
83	19	0.36	99	P 2	TWD	15	VH2	+0.89	TEC	TEH			24	HOT	600UL
74	20	0.19	173	P 3	TWD	11	DBH	+1.91	TEC	TEH			7	HOT	600UL
78	20	0.35	85	P 3	TWD	17	DBH	+1.73	TEC	TEH			7	HOT	600UL
82	20	0.17	30	P 3	TWD	8	DBC	+2.03	TEC	TEH			24	HOT	600UL
43	21	0.27	101	P 2	TWD	15	VSM	+0.59	TEC	TEH			7	HOT	600UL
79	21	0.22	128	P 3	TWD	12	DBC	+1.81	TEC	TEH			7	HOT	600UL
		0.52	110	P 3	TWD	24	DBH	+1.63	TEC	TEH			7	HOT	600UL
80	22	0.21	75	P 3	TWD	12	DBH	+1.91	TEC	TEH			7	HOT	600UL
82	22	0.30	61	P 3	TWD	13	DBC	+1.75	TEC	TEH			24	HOT	600UL
71	23	0.20	52	P 3	TWD	11	DBH	+1.67	TEC	TEH			7	HOT	600UL
56	24	0.15	67	P 3	TWD	8	DBH	+1.47	TEC	TEH			8	HOT	600UL
98	24	0.23	154	P 2	TWD	11	06C	+0.89	TEC	TEH			23	HOT	600UL
		0.16	50	P 2	TWD	8	06C	+0.06	TEC	TEH			23	HOT	600UL
91	25	0.22	158	P 2	TWD	9	VH2	+0.82	TEC	TEH			24	HOT	600UL
78	26	0.94	67	P 2	TWD	31	VC3	+0.99	TEC	TEH			11	HOT	600UL
		0.40	84	P 2	TWD	18	VC3	-0.74	TEC	TEH			11	HOT	600UL
77	27	0.26	15	P 3	TWD	12	DBC	+1.53	TEC	TEH			49	HOT	600UL
76	28	0.16	40	P 3	TWD	8	DBC	+1.83	TEC	TEH			54	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
82	28	0.27	71	P 3	TWD	12	DBH	-1.75	TEC	TEH			24	HOT	600UL
94	28	0.47	71	P 2	TWD	19	VSM	-0.76	TEC	TEH			24	HOT	600UL
		0.35	100	P 2	TWD	14	VH2	-1.09	TEC	TEH			24	HOT	600UL
		0.28	66	P 2	TWD	12	VH3	+0.82	TEC	TEH			24	HOT	600UL
98	28	0.16	48	P 3	TWD	7	DBH	-2.00	TEC	TEH			24	HOT	600UL
102	28	0.29	97	P 2	TWD	13	VH2	+0.86	TEC	TEH			24	HOT	600UL
77	29	0.26	146	P 2	TWD	12	VC3	-0.75	TEC	TEH			54	HOT	600UL
		0.24	108	P 3	TWD	11	DBC	-1.86	TEC	TEH			54	HOT	600UL
79	29	0.30	123	P 2	TWD	14	VC3	-0.85	TEC	TEH			11	HOT	600UL
		0.18	156	P 3	TWD	10	DBH	+1.47	TEC	TEH			11	HOT	600UL
89	29	0.30	116	P 2	TWD	13	VH2	+0.93	TEC	TEH			24	HOT	600UL
		0.48	102	P 2	TWD	19	VH2	-0.05	TEC	TEH			24	HOT	600UL
99	29	0.28	123	P 3	TWD	13	DBH	+1.68	TEC	TEH			23	HOT	600UL
107	29	0.20	153	P 2	TWD	9	VH2	-0.62	TEC	TEH			23	HOT	600UL
60	30	0.35	116	P 2	TWD	15	VH3	-0.82	TEC	TEH			54	HOT	600UL
78	30	0.75	110	P 2	TWD	28	VSM	+0.79	TEC	TEH			11	HOT	600UL
		0.26	25	P 2	TWD	13	VSM	+0.08	TEC	TEH			11	HOT	600UL
		0.41	50	P 2	TWD	18	VH3	+0.69	TEC	TEH			11	HOT	600UL
		0.33	150	P 2	TWD	15	VH3	-0.62	TEC	TEH			11	HOT	600UL
102	30	0.39	78	P 2	TWD	17	08C	-1.00	TEC	TEH			23	HOT	600UL
		0.18	55	P 2	TWD	7	08C	+0.00	TEC	TEH			23	HOT	600UL
73	31	0.35	130	P 2	TWD	15	VH3	+0.89	TEC	TEH			54	HOT	600UL
75	31	0.21	148	P 3	TWD	12	DBC	+1.75	TEC	TEH			11	HOT	600UL
		0.22	101	P 2	TWD	11	VH3	+0.83	TEC	TEH			11	HOT	600UL
77	31	0.30	128	P 2	TWD	13	VC3	+0.93	TEC	TEH			54	HOT	600UL
		0.53	125	P 2	TWD	20	VSM	+0.97	TEC	TEH			54	HOT	600UL
		0.57	139	P 3	TWD	22	DBH	+1.77	TEC	TEH			54	HOT	600UL
107	31	0.31	46	P 2	TWD	14	VH2	-0.95	TEC	TEH			24	HOT	600UL
109	31	0.22	39	P 3	TWD	10	DBC	-1.80	TEC	TEH			23	HOT	600UL
74	32	0.30	19	P 3	TWD	17	DBH	+1.34	TEC	TEH			15	HOT	600UL
76	32	0.50	34	P 3	TWD	20	DBH	+1.75	TEC	TEH			16	HOT	600UL
110	32	0.34	114	P 2	TWD	15	02H	-0.89	TEC	TEH			24	HOT	600UL
73	33	0.27	154	P 2	TWD	12	VH3	+0.72	TEC	TEH			16	HOT	600UL
		0.48	112	P 3	TWD	19	DBH	+1.48	TEC	TEH			16	HOT	600UL
75	33	0.29	34	P 3	TWD	17	DBC	-1.92	TEC	TEH			15	HOT	600UL
		0.27	130	P 2	TWD	14	VC3	+0.81	TEC	TEH			15	HOT	600UL
81	33	0.32	148	P 2	TWD	14	VSM	-0.92	TEC	TEH			23	HOT	600UL
		0.63	133	P 2	TWD	24	VH3	+0.80	TEC	TEH			23	HOT	600UL
		0.40	49	P 2	TWD	18	VH3	+0.06	TEC	TEH			23	HOT	600UL
103	33	0.35	97	P 2	TWD	15	VH2	+0.73	TEC	TEH			24	HOT	600UL
111	33	0.36	98	P 2	TWD	15	VH2	-0.96	TEC	TEH			24	HOT	600UL
56	34	0.44	123	P 2	TWD	18	VH3	-0.89	TEC	TEH			16	HOT	600UL
72	34	0.51	110	P 2	TWD	20	VSM	-0.89	TEC	TEH			16	HOT	600UL
74	34	0.33	32	P 3	TWD	18	DBH	+1.37	TEC	TEH			15	HOT	600UL
76	34	0.54	103	P 2	TWD	21	VH3	+0.84	TEC	TEH			16	HOT	600UL
		0.18	150	P 3	TWD	9	DBC	+1.95	TEC	TEH			16	HOT	600UL
		0.22	41	P 3	TWD	10	DBH	+1.55	TEC	TEH			16	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
114	34	0.38	75	P 3	TWD	15	DBC	+1.86	TEC	TEH			24	HOT	600UL
63	35	0.21	68	P 3	TWD	13	DBH	-1.83	TEC	TEH			15	HOT	600UL
75	35	0.12	146	P 3	TWD	8	DBC	-1.46	TEC	TEH			15	HOT	600UL
81	35	0.15	34	P 3	TWD	6	DBC	-1.60	TEC	TEH			23	HOT	600UL
111	35	0.69	97	P 2	TWD	24	VH2	-0.96	TEC	TEH			24	HOT	600UL
76	36	0.40	132	P 2	TWD	17	VH3	-0.15	TEC	TEH			16	HOT	600UL
		0.56	120	P 2	TWD	21	VH3	-0.64	TEC	TEH			16	HOT	600UL
		0.32	107	P 3	TWD	14	DBC	+2.17	TEC	TEH			16	HOT	600UL
75	37	0.14	163	P 3	TWD	9	DBC	+1.76	TEC	TEH			15	HOT	600UL
109	37	0.14	152	P 3	TWD	6	DBC	+2.15	TEC	TEH			23	HOT	600UL
111	37	0.43	119	P 2	TWD	17	VH2	-0.93	TEC	TEH			24	HOT	600UL
113	37	0.27	143	P 2	TWD	13	VH2	-0.93	TEC	TEH			23	HOT	600UL
119	37	0.18	161	P 3	TWD	7	DBC	-1.34	TEC	TEH			24	HOT	600UL
8	38	0.31	18	P 1	SCI		TSH	-0.20	TSH	TSH	0.19	19.87	58	HOT	580PP
40	38	0.26	146	P 2	TWD	12	VSM	-0.71	TEC	TEH			16	HOT	600UL
		0.39	123	P 2	TWD	16	VSM	+0.73	TEC	TEH			16	HOT	600UL
56	38	0.42	83	P 2	TWD	17	VH3	-0.87	TEC	TEH			16	HOT	600UL
74	38	0.19	133	P 3	TWD	12	DBH	+1.68	TEC	TEH			15	HOT	600UL
78	38	0.29	137	P 3	TWD	17	DBH	+1.53	TEC	TEH			15	HOT	600UL
80	38	0.20	130	P 2	TWD	11	VC3	+0.69	TEC	TEH			15	HOT	600UL
		0.69	125	P 2	TWD	28	VSM	+0.71	TEC	TEH			15	HOT	600UL
		0.28	117	P 2	TWD	15	VC3	-0.89	TEC	TEH			15	HOT	600UL
		0.76	129	P 2	TWD	29	VH3	-0.91	TEC	TEH			15	HOT	600UL
		0.43	105	P 3	TWD	22	DBH	+1.46	TEC	TEH			15	HOT	600UL
84	38	0.29	147	P 2	TWD	12	VH2	+0.69	TEC	TEH			24	HOT	600UL
110	38	0.14	123	P 3	TWD	7	DBH	+1.69	TEC	TEH			23	HOT	600UL
25	39	0.31	108	P 2	TWD	14	VSM	+1.20	TEC	TEH			16	HOT	600UL
31	39	0.19	150	P 2	TWD	11	07H	+0.62	TEC	TEH			15	HOT	600UL
81	39	0.30	101	P 2	TWD	15	VC3	+0.87	TEC	TEH			27	HOT	600UL
111	39	0.31	69	P 2	TWD	13	VH2	-1.01	TEC	TEH			23	HOT	600UL
113	39	0.41	98	P 2	TWD	16	VH2	-0.98	TEC	TEH			24	HOT	600UL
115	39	0.22	92	P 2	TWD	9	VH2	-1.01	TEC	TEH			23	HOT	600UL
66	40	0.21	7	P 3	TWD	12	DBC	+1.25	TEC	TEH			19	HOT	600UL
76	40	0.35	83	P 2	TWD	15	VH3	+0.69	TEC	TEH			20	HOT	600UL
		0.20	101	P 3	TWD	9	DBC	+1.95	TEC	TEH			20	HOT	600UL
80	40	0.34	94	P 2	TWD	17	VH3	-0.06	TEC	TEH			19	HOT	600UL
		0.14	139	P 2	TWD	8	VH3	+0.61	TEC	TEH			19	HOT	600UL
		0.25	88	P 2	TWD	15	VC3	-0.04	TEC	TEH			19	HOT	600UL
		0.20	118	P 2	TWD	12	VC3	+0.65	TEC	TEH			19	HOT	600UL
90	40	0.35	50	P 2	TWD	17	VH2	-0.93	TEC	TEH			27	HOT	600UL
94	40	0.64	130	P 2	TWD	25	VSM	+0.75	TEC	TEH			27	HOT	600UL
110	40	0.10	119	P 3	TWD	5	DBH	+1.59	TEC	TEH			27	HOT	600UL
118	40	0.21	117	P 3	TWD	11	DBH	-1.51	TEC	TEH			27	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
39	41	0.30	145	P 2	TWD	17	VSM	-0.83	TEC	TEH			19	HOT	600UL
49	41	0.60	120	P 2	TWD	21	08H	+1.40	TEC	TEH		LOCOK	20	HOT	600UL
81	41	0.27	143	P 2	TWD	14	VSM	+0.79	TEC	TEH			27	HOT	600UL
		0.28	124	P 2	TWD	14	VH3	+0.81	TEC	TEH			27	HOT	600UL
		0.43	69	P 2	TWD	20	VH3	+0.06	TEC	TEH			27	HOT	600UL
		0.20	152	P 2	TWD	11	VH3	-0.93	TEC	TEH			27	HOT	600UL
113	41	0.18	169	P 3	TWD	10	DBH	+1.81	TEC	TEH			27	HOT	600UL
32	42	0.27	127	P 2	TWD	12	07H	+0.74	TEC	TEH			20	HOT	600UL
48	42	0.21	140	P 2	TWD	10	07H	-0.71	TEC	TEH			20	HOT	600UL
72	42	0.31	101	P 2	TWD	13	VH3	+0.22	TEC	TEH			20	HOT	600UL
		0.25	90	P 2	TWD	11	VH3	-0.31	TEC	TEH			20	HOT	600UL
		0.39	131	P 2	TWD	14	VH3	+0.84	TEC	TEH			20	HOT	600UL
110	42	0.35	128	P 2	TWD	17	VH2	-0.75	TEC	TEH			27	HOT	600UL
		0.11	142	P 2	TWD	6	VH2	+0.84	TEC	TEH			27	HOT	600UL
114	42	0.13	135	P 3	TWD	7	DBH	+1.52	TEC	TEH			27	HOT	600UL
120	42	0.19	33	P 3	TWD	8	DBC	+1.90	TEC	TEH			28	HOT	600UL
124	42	0.26	85	P 2	TWD	11	04C	+0.89	TEC	TEH			28	HOT	600UL
33	43	0.15	60	P 2	TWD	7	07H	+0.62	TEC	TEH			20	HOT	600UL
37	43	0.47	116	P 2	TWD	18	VSM	+0.66	TEC	TEH			20	HOT	600UL
49	43	0.32	85	P 2	TWD	11	08H	+1.67	TEC	TEH		LOCOK	20	HOT	600UL
		0.39	81	P 2	TWD	16	08H	-1.43	TEC	TEH		LOCOK	20	HOT	600UL
97	43	0.33	101	P 2	TWD	14	VH2	+0.85	TEC	TEH			28	HOT	600UL
111	43	0.47	99	P 2	TWD	21	VH2	-0.99	TEC	TEH			27	HOT	600UL
117	43	0.26	67	P 2	TWD	11	VH2	-1.00	TEC	TEH			28	HOT	600UL
123	43	0.22	92	P 2	TWD	12	08C	+0.87	TEC	TEH			27	HOT	600UL
56	44	0.41	49	P 2	TWD	16	08H	+0.89	TEC	TEH			20	HOT	600UL
58	44	0.32	80	P 2	TWD	16	08H	-0.44	TEC	TEH			19	HOT	600UL
72	44	0.23	39	P 3	TWD	10	DBC	+2.11	TEC	TEH			20	HOT	600UL
120	44	0.22	169	P 2	TWD	10	VH1	-1.00	TEC	TEH			28	HOT	600UL
67	45	0.17	120	P 2	TWD	10	08H	+0.38	TEC	TEH			19	HOT	600UL
73	45	0.40	74	P 2	TWD	16	VC3	+0.13	TEC	TEH			20	HOT	600UL
75	45	0.43	122	P 2	TWD	20	VSM	+0.69	TEC	TEH			19	HOT	600UL
		0.34	150	P 2	TWD	17	VH3	+0.79	TEC	TEH			19	HOT	600UL
		0.21	85	P 2	TWD	11	VH3	+0.10	TEC	TEH			19	HOT	600UL
119	45	0.54	118	P 2	TWD	20	VH1	+0.81	TEC	TEH			28	HOT	600UL
36	46	0.29	137	P 2	TWD	13	VSM	+0.78	TEC	TEH			20	HOT	600UL
		0.37	95	P 2	TWD	15	VSM	-0.76	TEC	TEH			20	HOT	600UL
		0.22	123	P 2	TWD	7	07H	-0.38	TEC	TEH			20	HOT	600UL
56	46	0.61	122	P 2	TWD	21	08H	+0.67	TEC	TEH			20	HOT	600UL
128	46	0.25	103	P 2	TWD	11	02C	+0.94	TEC	TEH			28	HOT	600UL
17	47	0.34	35	P 2	TWD	15	02H	-1.19	TEH	TEC			39	COLD	600UL
27	47	0.33	67	P 2	TWD	15	02H	-1.18	TEH	TEC			39	COLD	600UL
35	47	0.34	137	P 2	TWD	15	VSM	+0.69	TEH	TEC			39	COLD	600UL
61	47	0.27	139	P 2	TWD	13	08H	+0.65	TEH	TEC			39	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
75	47	0.27	92	P 2	TWD	13	VH3	+0.08	TEH	TEC			37	COLD	600UL
		0.32	114	P 3	TWD	13	DBC	+1.75	TEH	TEC			37	COLD	600UL
		0.21	98	P 2	TWD	11	VC3	+0.28	TEH	TEC			37	COLD	600UL
79	47	0.28	84	P 2	TWD	13	VC3	-0.97	TEH	TEC			37	COLD	600UL
109	47	0.23	134	P 2	TWD	11	09C	-0.89	TEH	TEC			27	COLD	600UL
76	48	0.55	128	P 2	TWD	22	VSM	-0.89	TEH	TEC			37	COLD	600UL
		0.36	67	P 2	TWD	17	VC3	+0.97	TEH	TEC			37	COLD	600UL
		0.25	142	P 2	TWD	12	VH3	+0.20	TEH	TEC			37	COLD	600UL
		0.45	111	P 2	TWD	20	VSM	+0.91	TEH	TEC			37	COLD	600UL
		0.27	121	P 2	TWD	13	VH3	+0.71	TEH	TEC			37	COLD	600UL
		0.10	139	P 2	TWD	6	VC3	-0.85	TEH	TEC			37	COLD	600UL
86	48	0.26	86	P 2	TWD	12	VH2	-0.80	TEH	TEC			27	COLD	600UL
106	48	0.38	119	P 3	TWD	17	DBH	+2.14	TEH	TEC			28	COLD	600UL
118	48	0.42	143	P 2	TWD	18	VH1	-0.73	TEH	TEC			27	COLD	600UL
122	48	0.27	89	P 2	TWD	13	VH1	+0.71	TEH	TEC			27	COLD	600UL
		0.53	89	P 2	TWD	21	VH2	-0.93	TEH	TEC			27	COLD	600UL
49	49	0.37	91	P 2	TWD	14	08C	-1.07	TEH	TEC			38	COLD	600UL
		0.42	114	P 2	TWD	15	08H	+2.15	TEH	TEC		LOCOK	38	COLD	600UL
		0.22	129	P 2	TWD	8	08H	-0.47	TEH	TEC			38	COLD	600UL
91	49	0.27	114	P 2	TWD	13	VH2	-0.71	TEH	TEC			27	COLD	600UL
105	49	0.25	42	P 2	TWD	12	VH2	-0.81	TEH	TEC			27	COLD	600UL
123	49	0.29	87	P 2	TWD	14	VH1	-0.85	TEH	TEC			27	COLD	600UL
125	49	0.31	97	P 2	TWD	13	08C	+0.83	TEH	TEC			28	COLD	600UL
36	50	0.32	130	P 2	TWD	13	07H	-0.22	TEH	TEC			36	COLD	600UL
		0.33	68	P 2	TWD	14	07H	+0.39	TEH	TEC			36	COLD	600UL
		0.26	148	P 2	TWD	11	07H	+0.89	TEH	TEC			36	COLD	600UL
70	50	0.30	87	P 2	TWD	14	08H	-0.99	TEH	TEC			37	COLD	600UL
106	50	0.55	87	P 2	TWD	22	VH2	+0.94	TEH	TEC			27	COLD	600UL
		0.34	130	P 2	TWD	15	VH2	-0.80	TEH	TEC			27	COLD	600UL
		0.24	115	P 2	TWD	12	VH3	+1.04	TEH	TEC			27	COLD	600UL
37	51	0.40	47	P 2	TWD	16	07H	+0.46	TEH	TEC			36	COLD	600UL
53	51	0.23	151	P 2	TWD	10	08H	-1.11	TEH	TEC			36	COLD	600UL
		0.25	142	P 2	TWD	11	07H	-0.30	TEH	TEC			36	COLD	600UL
73	51	0.33	87	P 2	TWD	14	VH3	+0.24	TEH	TEC			36	COLD	600UL
		0.29	138	P 2	TWD	12	VSM	-0.86	TEH	TEC			36	COLD	600UL
		0.27	140	P 2	TWD	12	VC3	+0.80	TEH	TEC			36	COLD	600UL
		0.39	121	P 2	TWD	16	VC3	+0.24	TEH	TEC			36	COLD	600UL
		0.19	25	P 2	TWD	9	VSM	+0.22	TEH	TEC			36	COLD	600UL
		0.30	141	P 2	TWD	13	VH3	+0.72	TEH	TEC			36	COLD	600UL
		0.31	84	P 2	TWD	13	VSM	+0.72	TEH	TEC			36	COLD	600UL
131	51	0.50	110	P 3	TWD	20	DBC	+1.90	TEC	TEH			44	HOT	600UL
		0.54	124	P 2	TWD	22	VH2	+0.74	TEC	TEH			44	HOT	600UL
133	51	0.21	47	P 2	TWD	9	08C	+0.84	TEC	TEH			45	HOT	600UL
36	52	0.34	43	P 2	TWD	14	06H	+0.42	TEH	TEC			36	COLD	600UL
106	52	0.15	25	P 3	TWD	7	DBC	-1.71	TEH	TEC			29	COLD	600UL
112	52	0.32	11	P 3	TWD	14	DBH	+2.00	TEH	TEC			30	COLD	600UL
122	52	0.33	27	P 2	TWD	14	VH1	+0.73	TEH	TEC			29	COLD	600UL
126	52	0.43	128	P 2	TWD	18	VH1	+0.83	TEH	TEC			29	COLD	600UL
35	53	0.22	82	P 2	TWD	10	VSM	-0.76	TEH	TEC			35	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
43	53	0.38	139	P 2	TWD	16	VSM	+0.02	TEH	TEC			35	COLD	600UL
		0.68	140	P 2	TWD	25	VSM	+0.77	TEH	TEC			35	COLD	600UL
73	53	0.42	90	P 2	TWD	17	VC3	+0.78	TEH	TEC			36	COLD	600UL
		0.33	138	P 2	TWD	14	VC3	+0.26	TEH	TEC			36	COLD	600UL
		0.35	123	P 2	TWD	15	VH3	-0.22	TEH	TEC			36	COLD	600UL
28	54	0.29	96	P 2	TWD	13	06H	+0.14	TEH	TEC			35	COLD	600UL
64	54	0.32	50	P 2	TWD	14	08H	-0.35	TEH	TEC			36	COLD	600UL
116	54	0.33	158	P 3	TWD	13	DBH	+1.94	TEH	TEC			30	COLD	600UL
122	54	0.35	114	P 2	TWD	14	VH1	-0.75	TEH	TEC			30	COLD	600UL
124	54	0.21	108	P 2	TWD	9	VH1	-0.87	TEH	TEC			29	COLD	600UL
		0.29	97	P 2	TWD	12	10H	+0.73	TEH	TEC			29	COLD	600UL
130	54	0.29	138	P 3	TWD	13	DBH	-1.82	TEH	TEC			30	COLD	600UL
132	54	0.19	118	P 3	TWD	9	DBH	-1.70	TEC	TEH			44	HOT	600UL
79	55	0.19	167	P 3	TWD	7	DBH	+1.82	TEH	TEC			35	COLD	600UL
131	55	0.23	19	P 3	TWD	11	DBH	+1.86	TEC	TEH			44	HOT	600UL
10	56	0.58	21	P 1	SCI		TSH	-0.05	TSH	TSH	0.16	18.11	55	HOT	580PP
48	56	0.39	40	P 2	TWD	16	02H	-1.07	TEH	TEC			36	COLD	600UL
76	56	0.22	113	P 2	TWD	10	05C	+0.91	TEH	TEC			36	COLD	600UL
		0.29	112	P 2	TWD	12	04C	+0.90	TEH	TEC			36	COLD	600UL
		0.21	126	P 2	TWD	9	03C	+0.96	TEH	TEC			36	COLD	600UL
120	56	0.56	95	P 2	TWD	21	10H	+1.59	TEH	TEC		LOCOK	29	COLD	600UL
124	56	0.21	158	P 3	TWD	9	DBH	+2.08	TEH	TEC			29	COLD	600UL
126	56	0.15	31	P 2	TWD	7	VH1	-0.79	TEH	TEC			29	COLD	600UL
130	56	0.17	133	P 3	TWD	7	DBH	-1.53	TEH	TEC			29	COLD	600UL
132	56	0.12	110	P 3	TWD	5	DBH	-2.05	TEC	TEH			44	HOT	600UL
75	57	0.27	119	P 2	TWD	12	VH3	+0.79	TEH	TEC			36	COLD	600UL
		0.65	134	P 2	TWD	23	VSM	+0.81	TEH	TEC			36	COLD	600UL
		0.25	113	P 2	TWD	11	VC3	-0.79	TEH	TEC			36	COLD	600UL
		0.12	151	P 2	TWD	6	VH3	+0.20	TEH	TEC			36	COLD	600UL
77	57	0.38	112	P 2	TWD	16	VC3	+0.18	TEH	TEC			35	COLD	600UL
		0.55	61	P 2	TWD	22	VC3	+0.86	TEH	TEC			35	COLD	600UL
81	57	0.44	105	P 2	TWD	17	07H	+0.88	TEH	TEC			30	COLD	600UL
85	57	0.85	119	P 2	TWD	28	08H	-0.76	TEH	TEC			30	COLD	600UL
89	57	0.50	122	P 2	TWD	19	09H	+0.53	TEH	TEC			30	COLD	600UL
123	57	0.31	153	P 3	TWD	14	DBH	+2.24	TEH	TEC			30	COLD	600UL
131	57	0.18	106	P 3	TWD	8	DBH	+1.76	TEC	TEH			44	HOT	600UL
135	57	0.31	10	P 3	TWD	12	DBH	+1.33	TEC	TEH			45	HOT	600UL
72	58	0.40	108	P 2	TWD	16	08H	+0.71	TEH	TEC			36	COLD	600UL
76	58	0.21	58	P 3	TWD	10	DBC	-2.02	TEH	TEC			36	COLD	600UL
84	58	0.50	148	P 2	TWD	19	VH2	-0.95	TEH	TEC			29	COLD	600UL
		0.46	98	P 2	TWD	19	09H	-1.24	TEH	TEC			29	COLD	600UL
		0.74	82	P 2	TWD	26	09H	+1.65	TEH	TEC		LOCOK	29	COLD	600UL
118	58	0.33	13	P 3	TWD	15	DBH	+2.16	TEH	TEC			30	COLD	600UL
128	58	0.48	107	P 2	TWD	19	VH3	+0.81	TEH	TEC			30	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.23	21	P 2	TWD	9	VH3	+0.26	TEH	TEC			30	COLD	600UL
134	58	0.33	65	P 2	TWD	13	VC1	-0.96	TEC	TEH			45	HOT	600UL
		0.27	129	P 2	TWD	11	VC2	-0.77	TEC	TEH			45	HOT	600UL
69	59	0.18	57	P 3	TWD	9	DBC	+1.75	TEH	TEC			36	COLD	600UL
79	59	0.35	143	P 3	TWD	13	DBH	+2.16	TEH	TEC			35	COLD	600UL
81	59	0.26	167	P 3	TWD	11	DBH	+1.66	TEH	TEC			29	COLD	600UL
		0.68	125	P 2	TWD	25	VC3	-0.77	TEH	TEC			29	COLD	600UL
		0.64	56	P 2	TWD	23	VC3	-0.06	TEH	TEC			29	COLD	600UL
89	59	0.30	35	P 2	TWD	13	01H	+0.77	TEH	TEC			29	COLD	600UL
		0.48	114	P 2	TWD	19	09H	+0.87	TEH	TEC			29	COLD	600UL
121	59	0.12	11	P 3	TWD	5	DBC	-1.54	TEH	TEC			29	COLD	600UL
123	59	0.26	59	P 2	TWD	10	VH1	+0.73	TEH	TEC			30	COLD	600UL
137	59	0.45	37	P 3	TWD	17	DBC	+1.63	TEC	TEH			45	HOT	600UL
8	60	0.26	135	P 3	TWD	10	DBH	-0.69	TEC	TEH			38	HOT	600UL
84	60	0.40	116	P 2	TWD	16	09H	-1.08	TEH	TEC			29	COLD	600UL
86	60	0.27	153	P 2	TWD	11	08H	-0.80	TEH	TEC			30	COLD	600UL
		0.25	104	P 2	TWD	10	09H	-0.89	TEH	TEC			30	COLD	600UL
96	60	0.34	77	P 2	TWD	15	09H	-0.28	TEH	TEC			30	COLD	600UL
100	60	0.74	75	P 2	TWD	26	VH2	-0.73	TEH	TEC			30	COLD	600UL
126	60	0.59	122	P 2	TWD	22	VH1	-0.97	TEH	TEC			32	COLD	600UL
134	60	0.44	71	P 3	TWD	17	DBH	+1.66	TEC	TEH			45	HOT	600UL
136	60	0.53	97	P 3	TWD	21	DBH	+1.45	TEC	TEH			44	HOT	600UL
		0.40	143	P 2	TWD	18	VC3	-0.80	TEC	TEH			44	HOT	600UL
		0.17	172	P 3	TWD	8	DBC	+2.11	TEC	TEH			44	HOT	600UL
73	61	0.44	103	P 2	TWD	18	VSM	+0.83	TEH	TEC			36	COLD	600UL
85	61	0.52	78	P 2	TWD	20	08H	+0.55	TEH	TEC			31	COLD	600UL
87	61	0.53	34	P 2	TWD	20	08H	+0.75	TEH	TEC			32	COLD	600UL
89	61	0.51	132	P 2	TWD	20	09H	+0.85	TEH	TEC			31	COLD	600UL
93	61	0.71	84	P 2	TWD	25	09H	+0.75	TEH	TEC			31	COLD	600UL
97	61	0.21	142	P 2	TWD	9	04C	-0.97	TEH	TEC			32	COLD	600UL
133	61	0.10	95	P 3	TWD	6	DBC	-1.75	TEC	TEH			44	HOT	600UL
40	62	0.43	77	P 2	TWD	17	VSM	+0.85	TEH	TEC			34	COLD	600UL
46	62	0.35	87	P 3	TWD	14	DBH	+2.24	TEH	TEC			33	COLD	600UL
74	62	0.16	14	P 3	TWD	7	DBH	+1.93	TEH	TEC			33	COLD	600UL
76	62	0.29	105	P 2	TWD	12	04C	+0.93	TEH	TEC			34	COLD	600UL
82	62	0.39	62	P 2	TWD	16	VH3	+0.85	TEH	TEC			32	COLD	600UL
86	62	0.45	146	P 2	TWD	18	VH2	-0.75	TEH	TEC			32	COLD	600UL
90	62	0.51	76	P 2	TWD	20	VH2	-0.77	TEH	TEC			31	COLD	600UL
94	62	0.33	80	P 2	TWD	14	09H	+0.00	TEH	TEC			32	COLD	600UL
110	62	0.33	67	P 2	TWD	14	VH2	-0.91	TEH	TEC			32	COLD	600UL
126	62	0.33	123	P 2	TWD	14	VH1	-1.19	TEH	TEC			32	COLD	600UL
		0.20	104	P 2	TWD	9	VH1	+0.04	TEH	TEC			32	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
37	63	0.37	93	P 2	TWD	15	VSM	+0.75	TEH	TEC			34	COLD	600UL
61	63	0.49	126	P 2	TWD	19	08H	-0.99	TEH	TEC			34	COLD	600UL
81	63	0.38	133	P 2	TWD	16	VSM	-0.83	TEH	TEC			32	COLD	600UL
93	63	0.35	59	P 2	TWD	15	09H	+1.00	TEH	TEC			32	COLD	600UL
95	63	0.53	104	P 2	TWD	21	09H	+0.28	TEH	TEC			31	COLD	600UL
141	63	0.21	145	P 2	TWD	9	08H	+0.70	TEC	TEH			45	HOT	600UL
		0.39	64	P 3	TWD	15	DBH	-1.12	TEC	TEH			45	HOT	600UL
90	64	0.43	86	P 2	TWD	17	VH2	-0.79	TEH	TEC			32	COLD	600UL
94	64	0.30	128	P 2	TWD	13	08H	-0.45	TEH	TEC			32	COLD	600UL
		0.30	129	P 2	TWD	13	09H	+0.26	TEH	TEC			32	COLD	600UL
106	64	0.34	136	P 2	TWD	14	VC2	-0.83	TEH	TEC			32	COLD	600UL
108	64	0.25	33	P 3	TWD	10	DBH	+1.88	TEH	TEC			31	COLD	600UL
116	64	0.22	151	P 3	TWD	8	DBH	+1.80	TEH	TEC			31	COLD	600UL
134	64	0.44	148	P 2	TWD	19	VH2	-0.96	TEH	TEC			40	COLD	600UL
138	64	0.32	125	P 2	TWD	15	VH2	-0.88	TEH	TEC			40	COLD	600UL
140	64	0.33	132	P 2	TWD	15	VH2	-0.84	TEH	TEC			40	COLD	600UL
9	65	0.18	129	P 3	TWD	8	DBH	+0.65	TEC	TEH			38	HOT	600UL
39	65	0.47	115	P 2	TWD	19	VSM	+0.79	TEH	TEC			33	COLD	600UL
45	65	0.32	145	P 2	TWD	13	02H	-1.19	TEH	TEC			34	COLD	600UL
73	65	0.27	126	P 2	TWD	11	VH3	+0.91	TEH	TEC			34	COLD	600UL
		0.41	104	P 2	TWD	16	VH3	-0.81	TEH	TEC			34	COLD	600UL
81	65	0.70	135	P 2	TWD	25	VSM	+0.98	TEH	TEC			31	COLD	600UL
95	65	0.79	84	P 2	TWD	26	09H	-0.16	TEH	TEC			32	COLD	600UL
		0.36	80	P 2	TWD	15	08H	+0.32	TEH	TEC			32	COLD	600UL
		0.20	145	P 2	TWD	9	09H	+0.89	TEH	TEC			32	COLD	600UL
97	65	0.27	118	P 2	TWD	12	09H	-0.71	TEH	TEC			31	COLD	600UL
99	65	0.42	122	P 2	TWD	17	08H	+0.61	TEH	TEC			32	COLD	600UL
121	65	0.37	59	P 2	TWD	15	VH1	+0.79	TEH	TEC			31	COLD	600UL
50	66	0.33	27	P 2	TWD	14	08H	-1.16	TEH	TEC		LOCOK	34	COLD	600UL
92	66	0.35	144	P 2	TWD	15	09H	-0.08	TEH	TEC			32	COLD	600UL
		0.28	25	P 2	TWD	12	09H	+1.01	TEH	TEC			32	COLD	600UL
94	66	0.22	126	P 2	TWD	10	09H	+0.61	TEH	TEC			31	COLD	600UL
96	66	0.31	42	P 2	TWD	13	08H	-0.10	TEH	TEC			32	COLD	600UL
98	66	0.33	35	P 2	TWD	14	09H	+0.81	TEH	TEC			31	COLD	600UL
102	66	0.27	107	P 2	TWD	12	09H	+0.87	TEH	TEC			31	COLD	600UL
110	66	0.25	49	P 2	TWD	11	VH2	-0.97	TEH	TEC			31	COLD	600UL
126	66	0.50	108	P 2	TWD	19	VH1	-0.70	TEH	TEC			31	COLD	600UL
		0.25	39	P 2	TWD	10	VH1	+0.92	TEH	TEC			31	COLD	600UL
134	66	0.32	138	P 2	TWD	15	VH1	-0.88	TEH	TEC			40	COLD	600UL
		0.42	140	P 2	TWD	18	VH2	-0.94	TEH	TEC			40	COLD	600UL
17	67	0.26	61	P 3	TWD	11	DBH	+1.89	TEH	TEC			34	COLD	600UL
27	67	0.44	124	P 2	TWD	17	VSM	+1.19	TEH	TEC			34	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
39	67	0.49	106	P 2	TWD	20	VSM	-0.75	TEH	TEC			33	COLD	600UL
		0.40	140	P 2	TWD	17	VSM	+0.63	TEH	TEC			33	COLD	600UL
53	67	0.58	114	P 2	TWD	22	08H	-0.98	TEH	TEC			34	COLD	600UL
57	67	0.30	17	P 1	SCI		TSH	-10.41	TSH	TSH	0.15	18.31	140	HOT	580PP
95	67	0.44	106	P 2	TWD	18	09H	+0.61	TEH	TEC			31	COLD	600UL
101	67	0.58	61	P 2	TWD	22	09H	+0.83	TEH	TEC			32	COLD	600UL
125	67	0.34	37	P 2	TWD	14	VH1	+0.89	TEH	TEC			31	COLD	600UL
141	67	0.28	55	P 3	TWD	14	DBH	+1.54	TEC	TEH			47	HOT	600UL
40	68	0.35	92	P 2	TWD	16	VSM	-1.00	TEH	TEC			33	COLD	600UL
		0.96	116	P 2	TWD	30	VSM	+0.81	TEH	TEC			33	COLD	600UL
48	68	0.44	104	P 2	TWD	18	VSM	+0.95	TEH	TEC			33	COLD	600UL
76	68	0.48	67	P 2	TWD	20	07H	+0.99	TEH	TEC			33	COLD	600UL
82	68	0.30	149	P 2	TWD	13	VH3	-0.79	TEH	TEC			32	COLD	600UL
		0.35	128	P 2	TWD	15	VSM	-0.28	TEH	TEC			32	COLD	600UL
88	68	0.35	71	P 2	TWD	15	08H	-1.02	TEH	TEC			31	COLD	600UL
92	68	0.79	130	P 2	TWD	26	09H	-0.14	TEH	TEC			31	COLD	600UL
94	68	0.39	138	P 2	TWD	16	VH2	+0.77	TEH	TEC			32	COLD	600UL
96	68	0.30	63	P 2	TWD	13	09H	+0.77	TEH	TEC			31	COLD	600UL
98	68	0.34	26	P 3	TWD	15	DBH	+2.24	TEH	TEC			32	COLD	600UL
112	68	0.32	91	P 2	TWD	13	VH2	-0.93	TEH	TEC			31	COLD	600UL
132	68	0.29	95	P 2	TWD	15	VH2	-0.84	TEC	TEH			47	HOT	600UL
138	68	0.19	60	P 3	TWD	10	DBH	+1.98	TEC	TEH			47	HOT	600UL
31	69	0.64	104	P 2	TWD	23	07H	-1.04	TEH	TEC			34	COLD	600UL
37	69	0.38	154	P 2	TWD	17	VSM	+0.97	TEH	TEC			33	COLD	600UL
81	69	0.27	63	P 2	TWD	12	VSM	-0.61	TEH	TEC			31	COLD	600UL
		0.53	62	P 2	TWD	20	VC3	+0.85	TEH	TEC			31	COLD	600UL
		0.26	122	P 2	TWD	12	VC3	-0.99	TEH	TEC			31	COLD	600UL
		0.13	114	P 3	TWD	6	DBH	+0.95	TEH	TEC			31	COLD	600UL
		0.17	89	P 3	TWD	7	DBH	+1.20	TEH	TEC			31	COLD	600UL
		0.33	23	P 2	TWD	14	VH3	-0.02	TEH	TEC			31	COLD	600UL
91	69	0.47	114	P 2	TWD	18	08H	+0.77	TEH	TEC			32	COLD	600UL
		0.41	107	P 2	TWD	17	09H	-0.20	TEH	TEC			32	COLD	600UL
93	69	0.32	126	P 2	TWD	14	09H	+0.73	TEH	TEC			31	COLD	600UL
95	69	0.29	136	P 2	TWD	12	08H	+0.26	TEH	TEC			32	COLD	600UL
97	69	0.25	43	P 2	TWD	11	07H	+0.88	TEH	TEC			31	COLD	600UL
125	69	0.26	40	P 2	TWD	11	10H	+0.04	TEH	TEC			31	COLD	600UL
137	69	0.29	99	P 2	TWD	13	VH1	-1.01	TEC	TEH			49	HOT	600UL
		0.21	137	P 2	TWD	10	VH1	+0.88	TEC	TEH			49	HOT	600UL
139	69	0.28	140	P 2	TWD	15	VH1	+0.75	TEC	TEH			47	HOT	600UL
		1.00	106	P 2	TWD	33	VC1	-0.88	TEC	TEH			47	HOT	600UL
141	69	0.20	37	P 3	TWD	9	DBC	+2.03	TEC	TEH			49	HOT	600UL
		0.21	62	P 3	TWD	9	DBH	+1.69	TEC	TEH			49	HOT	600UL
88	70	0.58	101	P 2	TWD	22	VH2	-0.79	TEH	TEC			31	COLD	600UL
96	70	0.81	123	P 2	TWD	27	07H	+0.79	TEH	TEC			31	COLD	600UL
		0.17	148	P 2	TWD	8	09H	-0.10	TEH	TEC			31	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
132	70	0.63	108	P 2	TWD	26	VH1	+0.63	TEC	TEH			47	HOT	600UL
		0.20	75	P 2	TWD	11	VH1	+0.12	TEC	TEH			47	HOT	600UL
136	70	0.54	36	P 2	TWD	23	VH1	+0.85	TEC	TEH			47	HOT	600UL
138	70	0.19	105	P 3	TWD	10	DBH	+1.59	TEC	TEH			49	HOT	600UL
95	71	0.26	132	P 2	TWD	12	07H	-0.87	TEH	TEC			31	COLD	600UL
101	71	0.30	154	P 2	TWD	13	09H	+0.75	TEH	TEC			32	COLD	600UL
		0.24	107	P 3	TWD	11	DBH	-1.75	TEH	TEC			32	COLD	600UL
103	71	0.35	30	P 2	TWD	15	09H	+0.87	TEH	TEC			31	COLD	600UL
141	71	0.20	56	P 3	TWD	11	DBH	+1.61	TEC	TEH			47	HOT	600UL
143	71	0.52	136	P 3	TWD	20	DBH	+1.86	TEC	TEH			49	HOT	600UL
		0.41	40	P 3	TWD	17	DBH	-1.64	TEC	TEH			49	HOT	600UL
76	72	0.27	88	P 2	TWD	12	VH3	-0.61	TEH	TEC			33	COLD	600UL
92	72	0.42	84	P 2	TWD	17	05H	+0.85	TEH	TEC			31	COLD	600UL
		0.47	128	P 2	TWD	19	09H	-0.04	TEH	TEC			31	COLD	600UL
94	72	0.28	148	P 2	TWD	12	07H	+0.31	TEH	TEC			32	COLD	600UL
96	72	0.29	42	P 2	TWD	13	09H	+0.28	TEH	TEC			31	COLD	600UL
		0.15	73	P 2	TWD	6	09H	-0.97	TEH	TEC			31	COLD	600UL
98	72	0.66	72	P 2	TWD	23	07H	+0.79	TEH	TEC			32	COLD	600UL
106	72	0.38	146	P 2	TWD	16	VC2	-0.85	TEH	TEC			32	COLD	600UL
110	72	0.46	100	P 2	TWD	18	VH2	-0.99	TEH	TEC			32	COLD	600UL
112	72	0.49	104	P 2	TWD	19	VH2	-0.86	TEH	TEC			31	COLD	600UL
130	72	0.26	106	P 2	TWD	11	VH1	-0.87	TEH	TEC			31	COLD	600UL
140	72	0.36	19	P 3	TWD	17	DBH	+1.98	TEC	TEH			47	HOT	600UL
142	72	0.36	107	P 3	TWD	15	DBH	+1.49	TEC	TEH			49	HOT	600UL
		0.41	133	P 2	TWD	17	VH1	+0.90	TEC	TEH			49	HOT	600UL
41	73	0.29	123	P 3	TWD	13	DBH	-1.54	TEH	TEC			34	COLD	600UL
43	73	0.39	89	P 2	TWD	17	VSM	-0.85	TEH	TEC			33	COLD	600UL
47	73	0.57	87	P 3	TWD	20	DBC	-1.86	TEH	TEC			33	COLD	600UL
77	73	0.34	83	P 2	TWD	14	VH3	+0.91	TEH	TEC			34	COLD	600UL
91	73	0.38	141	P 2	TWD	16	08H	+0.83	TEH	TEC			32	COLD	600UL
		0.79	144	P 2	TWD	26	09H	-0.30	TEH	TEC			32	COLD	600UL
93	73	0.40	149	P 2	TWD	17	09H	+0.85	TEH	TEC			31	COLD	600UL
95	73	0.61	73	P 2	TWD	22	09H	+0.55	TEH	TEC			32	COLD	600UL
		0.28	68	P 2	TWD	12	VH3	+0.85	TEH	TEC			32	COLD	600UL
		0.39	148	P 2	TWD	16	VSM	+0.75	TEH	TEC			32	COLD	600UL
		0.34	137	P 2	TWD	14	VH3	+0.04	TEH	TEC			32	COLD	600UL
		0.46	33	P 2	TWD	18	VC2	+0.06	TEH	TEC			32	COLD	600UL
		0.15	130	P 2	TWD	7	07H	-0.94	TEH	TEC			32	COLD	600UL
97	73	0.29	118	P 2	TWD	13	08H	-0.61	TEH	TEC			31	COLD	600UL
		0.38	114	P 2	TWD	16	08H	+0.73	TEH	TEC			31	COLD	600UL
		0.58	112	P 2	TWD	22	09H	+0.65	TEH	TEC			31	COLD	600UL
42	74	0.57	96	P 3	TWD	22	DBH	-1.76	TEH	TEC			34	COLD	600UL
44	74	0.34	96	P 3	TWD	13	DBH	-1.95	TEH	TEC			33	COLD	600UL
		0.41	145	P 3	TWD	16	DBC	+1.92	TEH	TEC			33	COLD	600UL
66	74	0.42	144	P 3	TWD	18	DBH	+1.71	TEH	TEC			34	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
82	74	0.56	23	P 3	TWD	22	DBH	+1.92	TEH	TEC			32	COLD	600UL
92	74	0.56	105	P 2	TWD	21	07H	+0.82	TEH	TEC			31	COLD	600UL
		0.26	19	P 2	TWD	12	09H	+0.87	TEH	TEC			31	COLD	600UL
94	74	0.28	61	P 2	TWD	12	09H	-0.40	TEH	TEC			31	COLD	600UL
100	74	0.34	152	P 2	TWD	14	09H	+0.95	TEH	TEC			31	COLD	600UL
		0.30	54	P 2	TWD	13	09H	-0.06	TEH	TEC			31	COLD	600UL
102	74	0.20	156	P 2	TWD	9	09H	+0.71	TEH	TEC			32	COLD	600UL
130	74	0.53	119	P 2	TWD	20	VH1	-0.93	TEH	TEC			31	COLD	600UL
134	74	0.36	94	P 2	TWD	18	VH1	-0.89	TEC	TEH			47	HOT	600UL
138	74	0.73	112	P 2	TWD	28	VH1	-0.95	TEC	TEH			47	HOT	600UL
		0.37	114	P 2	TWD	18	VH2	-1.01	TEC	TEH			47	HOT	600UL
142	74	0.22	44	P 3	TWD	12	DBH	+1.85	TEC	TEH			47	HOT	600UL
45	75	0.33	130	P 3	TWD	14	DBC	-1.79	TEH	TEC			34	COLD	600UL
47	75	0.36	91	P 3	TWD	14	DBC	-1.75	TEH	TEC			33	COLD	600UL
75	75	0.52	125	P 2	TWD	21	VSM	-0.87	TEH	TEC			33	COLD	600UL
		0.36	123	P 2	TWD	16	VSM	+1.05	TEH	TEC			33	COLD	600UL
93	75	0.71	77	P 2	TWD	25	09H	-0.26	TEH	TEC			31	COLD	600UL
103	75	0.37	48	P 2	TWD	15	VH2	+0.80	TEH	TEC			32	COLD	600UL
		0.22	113	P 2	TWD	10	09H	+0.46	TEH	TEC			32	COLD	600UL
		0.35	82	P 2	TWD	15	09H	+1.01	TEH	TEC			32	COLD	600UL
		0.51	122	P 2	TWD	20	09H	-0.85	TEH	TEC			32	COLD	600UL
		0.29	116	P 2	TWD	13	09H	+0.72	TEH	TEC			32	COLD	600UL
129	75	0.33	71	P 2	TWD	14	VH1	+0.84	TEH	TEC			31	COLD	600UL
133	75	0.39	46	P 2	TWD	18	10H	+0.81	TEC	TEH			47	HOT	600UL
143	75	0.33	64	P 3	TWD	14	DBH	+1.67	TEC	TEH			49	HOT	600UL
46	76	0.23	102	P 3	TWD	15	DBH	-2.03	TEC	TEH			6	HOT	600UL
92	76	0.32	46	P 2	TWD	13	09H	-0.25	TEH	TEC			23	COLD	600UL
112	76	0.41	142	P 2	TWD	16	VH2	-1.00	TEH	TEC			24	COLD	600UL
120	76	0.39	144	P 2	TWD	15	VH1	-0.86	TEH	TEC			24	COLD	600UL
		0.35	154	P 2	TWD	13	VH2	-0.96	TEH	TEC			24	COLD	600UL
		0.32	66	P 2	TWD	12	VH2	+0.86	TEH	TEC			24	COLD	600UL
124	76	0.25	114	P 3	TWD	10	DBH	+1.87	TEH	TEC			24	COLD	600UL
		0.48	121	P 2	TWD	18	VH2	-0.85	TEH	TEC			24	COLD	600UL
130	76	0.70	90	P 2	TWD	24	VH1	+0.76	TEH	TEC			23	COLD	600UL
136	76	0.39	140	P 2	TWD	19	VH1	+0.61	TEC	TEH			47	HOT	600UL
138	76	0.46	125	P 2	TWD	18	VH2	-0.94	TEC	TEH			49	HOT	600UL
		0.37	106	P 2	TWD	16	VH1	-0.26	TEC	TEH			49	HOT	600UL
140	76	0.52	125	P 2	TWD	20	VH1	-0.93	TEC	TEH			49	HOT	600UL
47	77	0.37	120	P 3	TWD	17	DBC	-1.93	TEC	TEH			5	HOT	600UL
49	77	0.26	65	P 2	TWD	14	06H	-0.91	TEC	TEH			6	HOT	600UL
93	77	0.46	68	P 2	TWD	18	09H	-0.22	TEH	TEC			23	COLD	600UL
95	77	0.30	101	P 2	TWD	13	08H	+0.48	TEH	TEC			45	COLD	600UL
101	77	0.27	136	P 2	TWD	11	09H	-0.69	TEH	TEC			23	COLD	600UL
		0.78	102	P 2	TWD	26	09H	+0.65	TEH	TEC			23	COLD	600UL
121	77	0.12	130	P 3	TWD	4	DBC	-0.82	TEH	TEC			23	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
46	78	0.93	14	P 3	TWD	35	DBH	+1.58	TEC	TEH			6	HOT	600UL
		0.23	136	P 3	TWD	14	DBH	-1.62	TEC	TEH			6	HOT	600UL
66	78	0.27	110	P 2	TWD	15	02H	-0.28	TEC	TEH			5	HOT	600UL
90	78	0.37	93	P 2	TWD	16	09H	-0.06	TEH	TEC			45	COLD	600UL
		0.26	146	P 2	TWD	12	09H	+0.69	TEH	TEC			45	COLD	600UL
94	78	0.41	116	P 2	TWD	16	09H	-0.12	TEH	TEC			24	COLD	600UL
		0.41	145	P 2	TWD	15	09H	+0.38	TEH	TEC			24	COLD	600UL
102	78	0.57	118	P 2	TWD	20	09H	+0.95	TEH	TEC			24	COLD	600UL
104	78	0.18	152	P 2	TWD	7	09H	+0.39	TEH	TEC			23	COLD	600UL
118	78	0.34	148	P 2	TWD	13	VH1	-0.77	TEH	TEC			24	COLD	600UL
128	78	0.50	130	P 2	TWD	19	VH1	-0.94	TEH	TEC			23	COLD	600UL
130	78	0.36	111	P 2	TWD	15	VH1	-0.90	TEH	TEC			23	COLD	600UL
136	78	0.42	121	P 2	TWD	20	VH1	-0.91	TEC	TEH			47	HOT	600UL
140	78	0.20	148	P 2	TWD	11	VH1	-0.97	TEC	TEH			47	HOT	600UL
142	78	0.38	19	P 3	TWD	16	DBH	+1.50	TEC	TEH			49	HOT	600UL
		0.79	124	P 2	TWD	26	VH1	-0.90	TEC	TEH			49	HOT	600UL
57	79	0.27	119	P 3	TWD	17	DBC	-1.82	TEC	TEH			6	HOT	600UL
61	79	0.53	79	P 2	TWD	24	VSM	+0.85	TEC	TEH			6	HOT	600UL
91	79	0.23	79	P 2	TWD	10	07H	+0.33	TEH	TEC			46	COLD	600UL
		0.37	125	P 2	TWD	15	09H	+0.43	TEH	TEC			46	COLD	600UL
93	79	0.27	112	P 2	TWD	12	09H	-0.26	TEH	TEC			45	COLD	600UL
99	79	0.39	103	P 2	TWD	16	07H	+0.78	TEH	TEC			46	COLD	600UL
101	79	0.63	75	P 2	TWD	24	09H	+0.91	TEH	TEC			45	COLD	600UL
103	79	0.31	133	P 2	TWD	13	09H	-0.91	TEH	TEC			46	COLD	600UL
		0.33	105	P 2	TWD	14	09H	+0.18	TEH	TEC			46	COLD	600UL
		0.36	122	P 2	TWD	15	09H	+0.67	TEH	TEC			46	COLD	600UL
119	79	0.20	148	P 3	TWD	8	DBH	+0.16	TEH	TEC			24	COLD	600UL
143	79	0.56	96	P 3	TWD	21	DBH	+1.83	TEC	TEH			49	HOT	600UL
48	80	0.84	94	P 3	TWD	29	DBH	-1.30	TEC	TEH			5	HOT	600UL
		0.16	144	P 3	TWD	8	DBC	-1.47	TEC	TEH			5	HOT	600UL
80	80	0.47	80	P 2	TWD	23	VSM	+0.88	TEC	TEH			5	HOT	600UL
126	80	0.39	130	P 2	TWD	16	VH1	-0.75	TEH	TEC			46	COLD	600UL
140	80	0.35	37	P 3	TWD	15	DBH	-1.88	TEC	TEH			49	HOT	600UL
		0.72	103	P 2	TWD	25	VH1	-0.80	TEC	TEH			49	HOT	600UL
144	80	0.41	155	P 3	TWD	17	DBC	+2.07	TEC	TEH			49	HOT	600UL
		0.18	12	P 3	TWD	9	DBH	+1.91	TEC	TEH			49	HOT	600UL
61	81	0.22	10	P 3	TWD	11	DBH	+1.54	TEC	TEH			5	HOT	600UL
81	81	0.34	142	P 2	TWD	15	VH3	-0.83	TEH	TEC			45	COLD	600UL
		0.29	81	P 2	TWD	13	VC3	-0.04	TEH	TEC			45	COLD	600UL
		0.38	148	P 2	TWD	16	VH3	+0.83	TEH	TEC			45	COLD	600UL
		0.32	130	P 2	TWD	14	VSM	+0.91	TEH	TEC			45	COLD	600UL
		0.62	132	P 2	TWD	24	VC3	-0.97	TEH	TEC			45	COLD	600UL
		0.52	76	P 2	TWD	21	VC3	+0.93	TEH	TEC			45	COLD	600UL
99	81	0.51	138	P 2	TWD	19	09H	+0.71	TEH	TEC			46	COLD	600UL
101	81	0.64	147	P 2	TWD	24	09H	-1.01	TEH	TEC			45	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
103	81	0.62	91	P 2	TWD	22	09H	+0.93	TEH	TEC			46	COLD	600UL
113	81	0.28	87	P 3	TWD	11	DBH	+1.93	TEH	TEC			45	COLD	600UL
121	81	0.38	79	P 2	TWD	17	VH1	+0.55	TEH	TEC			45	COLD	600UL
52	82	0.57	73	P 3	TWD	23	DBH	-1.26	TEC	TEH			5	HOT	600UL
56	82	0.59	117	P 3	TWD	24	DBH	-1.36	TEC	TEH			5	HOT	600UL
62	82	0.29	125	P 3	TWD	14	DBH	-1.82	TEC	TEH			5	HOT	600UL
94	82	0.61	147	P 2	TWD	22	09H	-0.26	TEH	TEC			46	COLD	600UL
102	82	0.37	118	P 2	TWD	16	09H	+0.46	TEH	TEC			45	COLD	600UL
		0.26	79	P 3	TWD	10	DBH	+1.86	TEH	TEC			45	COLD	600UL
136	82	0.25	160	P 2	TWD	13	VH1	-0.87	TEC	TEH			47	HOT	600UL
142	82	0.63	115	P 2	TWD	23	VH2	-0.90	TEC	TEH			49	HOT	600UL
144	82	0.16	105	P 3	TWD	7	DBC	+1.90	TEC	TEH			49	HOT	600UL
		0.24	87	P 3	TWD	11	DBH	+1.86	TEC	TEH			49	HOT	600UL
51	83	0.25	48	P 3	TWD	16	DBH	-1.55	TEC	TEH			6	HOT	600UL
		0.40	65	P 3	TWD	22	DBC	-1.89	TEC	TEH			6	HOT	600UL
53	83	0.66	100	P 3	TWD	26	DBC	-2.10	TEC	TEH			5	HOT	600UL
57	83	0.24	52	P 3	TWD	12	DBC	-1.74	TEC	TEH			5	HOT	600UL
		0.16	26	P 3	TWD	9	DBC	+1.70	TEC	TEH			5	HOT	600UL
61	83	0.43	112	P 3	TWD	23	DBC	+2.06	TEC	TEH			6	HOT	600UL
63	83	0.33	53	P 3	TWD	15	DBC	+1.78	TEC	TEH			5	HOT	600UL
85	83	0.27	130	P 2	TWD	13	06H	+0.81	TEH	TEC			27	COLD	600UL
101	83	0.60	129	P 2	TWD	22	09H	-0.59	TEH	TEC			46	COLD	600UL
131	83	0.32	80	P 2	TWD	16	VH1	-0.99	TEC	TEH			47	HOT	600UL
141	83	0.60	112	P 2	TWD	22	VC1	+0.84	TEC	TEH			49	HOT	600UL
143	83	0.16	107	P 3	TWD	9	DBC	+2.07	TEC	TEH			47	HOT	600UL
145	83	0.43	124	P 3	TWD	18	DBC	+1.84	TEC	TEH			49	HOT	600UL
54	84	0.20	87	P 3	TWD	10	DBC	-1.32	TEC	TEH			5	HOT	600UL
58	84	0.64	80	P 3	TWD	29	DBH	+1.21	TEC	TEH			6	HOT	600UL
60	84	0.22	10	P 3	TWD	12	DBH	+1.92	TEC	TEH			5	HOT	600UL
74	84	0.34	79	P 3	TWD	16	DBC	-1.78	TEC	TEH			5	HOT	600UL
94	84	0.44	63	P 2	TWD	18	08H	-0.35	TEH	TEC			28	COLD	600UL
102	84	0.30	96	P 3	TWD	14	DBH	+1.60	TEH	TEC			28	COLD	600UL
114	84	0.31	100	P 3	TWD	14	DBH	+1.89	TEH	TEC			28	COLD	600UL
120	84	0.48	112	P 2	TWD	20	VH2	-0.80	TEH	TEC			27	COLD	600UL
124	84	0.34	62	P 2	TWD	14	VH1	-1.10	TEH	TEC			28	COLD	600UL
		0.42	132	P 2	TWD	17	VH2	-1.05	TEH	TEC			28	COLD	600UL
128	84	0.28	146	P 2	TWD	12	VH1	+0.94	TEH	TEC			28	COLD	600UL
130	84	0.56	97	P 2	TWD	22	VH1	-0.77	TEH	TEC			27	COLD	600UL
134	84	0.66	146	P 2	TWD	23	VH1	-0.84	TEC	TEH			49	HOT	600UL
136	84	0.33	89	P 2	TWD	16	VH1	+0.50	TEC	TEH			47	HOT	600UL
		0.29	48	P 2	TWD	15	VH1	-0.91	TEC	TEH			47	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
53	85	0.39	70	P 3	TWD	18	DBC	-2.08	TEC	TEH			5	HOT	600UL
		0.37	135	P 3	TWD	17	DBH	-1.52	TEC	TEH			5	HOT	600UL
		0.87	52	P 3	TWD	30	DBH	+1.54	TEC	TEH			5	HOT	600UL
55	85	0.52	77	P 3	TWD	26	DBH	+1.36	TEC	TEH			6	HOT	600UL
57	85	0.40	41	P 3	TWD	18	DBH	+1.78	TEC	TEH			5	HOT	600UL
61	85	0.40	18	P 3	TWD	18	DBH	+2.02	TEC	TEH			5	HOT	600UL
65	85	0.24	10	P 3	TWD	15	DBH	+1.33	TEC	TEH			6	HOT	600UL
73	85	0.18	99	P 3	TWD	12	DBC	+1.81	TEC	TEH			6	HOT	600UL
75	85	0.24	45	P 3	TWD	12	DBC	-1.74	TEC	TEH			5	HOT	600UL
95	85	0.42	82	P 2	TWD	18	08H	+0.86	TEH	TEC			27	COLD	600UL
		0.34	69	P 2	TWD	16	09H	+0.84	TEH	TEC			27	COLD	600UL
97	85	0.29	122	P 2	TWD	13	09H	-0.14	TEH	TEC			28	COLD	600UL
101	85	0.45	112	P 2	TWD	18	09H	-0.53	TEH	TEC			28	COLD	600UL
103	85	0.34	110	P 2	TWD	16	09H	+0.25	TEH	TEC			27	COLD	600UL
137	85	0.08	152	P 2	TWD	4	09H	-1.04	TEC	TEH			49	HOT	600UL
		0.25	121	P 2	TWD	11	09H	+0.89	TEC	TEH			49	HOT	600UL
60	86	0.60	77	P 3	TWD	24	DBH	-1.76	TEC	TEH			5	HOT	600UL
106	86	0.49	99	P 2	TWD	19	VH3	-0.88	TEH	TEC			28	COLD	600UL
112	86	0.21	58	P 2	TWD	11	08H	+0.99	TEH	TEC			27	COLD	600UL
122	86	0.35	116	P 3	TWD	16	DBH	+1.91	TEH	TEC			28	COLD	600UL
124	86	0.29	165	P 3	TWD	12	DBH	-0.14	TEH	TEC			27	COLD	600UL
		0.14	73	P 3	TWD	6	DBH	+1.83	TEH	TEC			27	COLD	600UL
128	86	0.62	107	P 2	TWD	24	VH1	-0.82	TEH	TEC			27	COLD	600UL
53	87	0.25	141	P 3	TWD	16	DBH	-1.61	TEC	TEH			6	HOT	600UL
55	87	0.57	77	P 3	TWD	23	DBH	-1.52	TEC	TEH			5	HOT	600UL
103	87	0.48	102	P 2	TWD	19	09H	-0.04	TEH	TEC			28	COLD	600UL
119	87	0.14	102	P 3	TWD	7	DBH	+0.69	TEH	TEC			28	COLD	600UL
133	87	0.55	124	P 2	TWD	24	VH1	-0.79	TEC	TEH			47	HOT	600UL
54	88	0.39	72	P 3	TWD	18	DBH	-1.48	TEC	TEH			5	HOT	600UL
58	88	0.36	62	P 3	TWD	16	DBH	-1.74	TEC	TEH			5	HOT	600UL
62	88	0.24	150	P 3	TWD	12	DBH	-1.62	TEC	TEH			5	HOT	600UL
68	88	0.23	124	P 3	TWD	15	DBH	-1.51	TEC	TEH			6	HOT	600UL
94	88	0.31	97	P 2	TWD	13	09H	-0.80	TEH	TEC			23	COLD	600UL
96	88	0.24	88	P 2	TWD	9	07H	+0.25	TEH	TEC			24	COLD	600UL
104	88	0.38	104	P 2	TWD	14	08H	+0.50	TEH	TEC			24	COLD	600UL
118	88	0.45	112	P 2	TWD	18	VH1	-0.63	TEH	TEC			23	COLD	600UL
130	88	0.33	74	P 2	TWD	15	VH1	+0.24	TEH	TEC			27	COLD	600UL
		0.20	156	P 2	TWD	10	VH1	+0.75	TEH	TEC			27	COLD	600UL
134	88	0.62	139	P 2	TWD	22	VH1	-0.82	TEC	TEH			49	HOT	600UL
138	88	0.29	56	P 2	TWD	13	VH1	+0.71	TEC	TEH			49	HOT	600UL
		0.85	124	P 2	TWD	27	VH1	-0.78	TEC	TEH			49	HOT	600UL
63	89	0.23	57	P 3	TWD	11	DBC	+2.14	TEC	TEH			5	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
67	89	0.72	105	P 3	TWD	27	DBC	-1.90	TEC	TEH			5	HOT	600UL
69	89	0.52	143	P 3	TWD	26	DBC	-1.45	TEC	TEH			6	HOT	600UL
73	89	0.15	148	P 3	TWD	9	DBH	+1.61	TEC	TEH			6	HOT	600UL
79	89	0.45	145	P 2	TWD	21	VH3	+0.72	TEC	TEH			5	HOT	600UL
		0.22	74	P 3	TWD	11	DBH	+1.64	TEC	TEH			5	HOT	600UL
95	89	0.36	132	P 2	TWD	14	09H	+0.57	TEH	TEC			23	COLD	600UL
99	89	0.72	110	P 2	TWD	25	09H	+0.72	TEH	TEC			23	COLD	600UL
121	89	0.15	46	P 3	TWD	7	DBH	-1.11	TEH	TEC			22	COLD	600UL
		0.11	156	P 3	TWD	6	DBH	+0.23	TEH	TEC			22	COLD	600UL
131	89	0.20	110	P 2	TWD	11	VH1	-0.93	TEC	TEH			47	HOT	600UL
137	89	0.32	123	P 2	TWD	16	VH1	+0.73	TEC	TEH			47	HOT	600UL
		0.18	135	P 2	TWD	10	VH1	-0.85	TEC	TEH			47	HOT	600UL
143	89	0.23	128	P 2	TWD	10	08C	+0.91	TEC	TEH			49	HOT	600UL
58	90	0.29	67	P 3	TWD	18	DBH	-1.46	TEC	TEH			6	HOT	600UL
60	90	0.88	64	P 3	TWD	30	DBH	+1.60	TEC	TEH			5	HOT	600UL
72	90	0.21	72	P 3	TWD	14	DBC	+1.97	TEC	TEH			6	HOT	600UL
76	90	0.31	59	P 2	TWD	16	08C	-0.20	TEC	TEH			6	HOT	600UL
116	90	0.23	142	P 3	TWD	11	DBH	+1.93	TEH	TEC			22	COLD	600UL
134	90	0.18	144	P 2	TWD	8	VH1	+0.82	TEC	TEH			49	HOT	600UL
53	91	0.95	108	P 3	TWD	31	DBH	-1.45	TEC	TEH			5	HOT	600UL
		0.16	66	P 3	TWD	9	DBH	+1.93	TEC	TEH			5	HOT	600UL
55	91	0.59	109	P 3	TWD	28	DBH	+1.30	TEC	TEH			6	HOT	600UL
		1.09	78	P 3	TWD	37	DBH	-1.54	TEC	TEH			6	HOT	600UL
		0.30	58	P 3	TWD	18	DBC	+2.02	TEC	TEH			6	HOT	600UL
57	91	0.26	27	P 3	TWD	13	DBC	+1.85	TEC	TEH			5	HOT	600UL
		0.31	107	P 3	TWD	15	DBC	-2.09	TEC	TEH			5	HOT	600UL
63	91	0.31	145	P 3	TWD	15	DBC	-1.87	TEC	TEH			5	HOT	600UL
65	91	0.19	25	P 3	TWD	12	DBC	-1.75	TEC	TEH			6	HOT	600UL
69	91	0.26	134	P 3	TWD	17	DBH	-1.48	TEC	TEH			6	HOT	600UL
		0.55	56	P 3	TWD	27	DBH	+1.68	TEC	TEH			6	HOT	600UL
119	91	0.65	136	P 3	TWD	19	DBH	+1.98	TEH	TEC			21	COLD	600UL
121	91	0.25	107	P 3	TWD	12	DBH	+2.05	TEH	TEC			22	COLD	600UL
123	91	0.32	137	P 3	TWD	10	DBH	+1.98	TEH	TEC			21	COLD	600UL
133	91	0.19	51	P 2	TWD	9	VH1	-0.91	TEC	TEH			49	HOT	600UL
137	91	0.12	47	P 3	TWD	6	DBC	+1.68	TEC	TEH			49	HOT	600UL
143	91	0.37	29	P 2	TWD	18	VC1	-0.85	TEC	TEH			47	HOT	600UL
145	91	0.15	157	P 3	TWD	7	DBH	+1.99	TEC	TEH			49	HOT	600UL
		0.49	90	P 2	TWD	19	VC1	-0.84	TEC	TEH			49	HOT	600UL
147	91	0.68	96	P 2	TWD	26	VC1	-0.90	TEH	TEC			40	COLD	600UL
		0.69	107	P 2	TWD	26	VC1	+0.53	TEH	TEC			40	COLD	600UL
58	92	0.30	106	P 3	TWD	18	DBH	-1.68	TEC	TEH			6	HOT	600UL
60	92	0.34	14	P 3	TWD	16	DBH	+2.05	TEC	TEH			5	HOT	600UL
102	92	0.29	139	P 3	TWD	9	DBH	+1.92	TEH	TEC			21	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
110	92	0.35	75	P 2	TWD	15	09H	-1.15	TEH	TEC			21	COLD	600UL
114	92	0.57	136	P 3	TWD	17	DBH	+1.89	TEH	TEC			21	COLD	600UL
118	92	0.58	92	P 3	TWD	17	DBH	+1.96	TEH	TEC			21	COLD	600UL
142	92	0.30	141	P 2	TWD	12	VH1	-0.91	TEC	TEH			49	HOT	600UL
144	92	0.29	29	P 2	TWD	15	10C	-1.07	TEC	TEH			52	HOT	600UL
146	92	0.38	69	P 2	TWD	17	VC1	+0.99	TEH	TEC			40	COLD	600UL
		0.41	114	P 2	TWD	18	10C	+0.56	TEH	TEC			40	COLD	600UL
		0.34	21	P 3	TWD	13	DBC	+1.65	TEH	TEC			40	COLD	600UL
57	93	0.80	92	P 3	TWD	33	DBH	-1.27	TEC	TEH			6	HOT	600UL
59	93	0.45	79	P 3	TWD	20	DBH	-1.95	TEC	TEH			5	HOT	600UL
99	93	0.45	122	P 2	TWD	19	09H	+0.50	TEH	TEC			21	COLD	600UL
125	93	0.46	45	P 3	TWD	19	DBH	+1.80	TEH	TEC			22	COLD	600UL
137	93	0.32	89	P 2	TWD	14	VH1	-0.95	TEC	TEH			49	HOT	600UL
139	93	0.25	99	P 2	TWD	13	VC1	+0.87	TEC	TEH			47	HOT	600UL
141	93	0.38	100	P 2	TWD	15	VC1	+0.84	TEC	TEH			49	HOT	600UL
145	93	0.29	98	P 2	TWD	16	VC1	-0.71	TEC	TEH			52	HOT	600UL
		0.42	110	P 3	TWD	19	DBC	+1.68	TEC	TEH			52	HOT	600UL
147	93	0.54	142	P 2	TWD	24	VH2	-0.68	TEC	TEH			53	HOT	600UL
68	94	0.50	107	P 3	TWD	26	DBH	-1.73	TEC	TEH			6	HOT	600UL
74	94	0.23	97	P 3	TWD	11	DBH	-1.93	TEC	TEH			5	HOT	600UL
86	94	0.29	99	P 2	TWD	8	01C	-0.92	TEH	TEC			21	COLD	600UL
94	94	0.22	119	P 2	TWD	10	07H	+0.95	TEH	TEC			21	COLD	600UL
106	94	0.27	134	P 2	TWD	12	VH2	-0.75	TEH	TEC			21	COLD	600UL
114	94	0.28	151	P 3	TWD	9	DBH	-0.96	TEH	TEC			21	COLD	600UL
134	94	0.22	133	P 2	TWD	10	VH1	+0.78	TEC	TEH			49	HOT	600UL
		0.31	141	P 2	TWD	14	VH1	-0.87	TEC	TEH			49	HOT	600UL
138	94	0.30	65	P 2	TWD	15	VH1	+0.85	TEC	TEH			47	HOT	600UL
142	94	0.26	149	P 2	TWD	14	VH2	-0.82	TEC	TEH			52	HOT	600UL
		0.17	35	P 2	TWD	9	VH1	+0.86	TEC	TEH			52	HOT	600UL
		0.19	135	P 2	TWD	11	VH1	-0.78	TEC	TEH			52	HOT	600UL
53	95	0.37	55	P 3	TWD	21	DBC	-1.30	TEC	TEH			6	HOT	600UL
101	95	0.47	90	P 2	TWD	20	09H	-0.21	TEH	TEC			21	COLD	600UL
		0.19	93	P 2	TWD	9	09H	+1.02	TEH	TEC			21	COLD	600UL
123	95	0.77	137	P 2	TWD	27	VH1	+0.87	TEH	TEC			20	COLD	600UL
145	95	0.09	18	P 3	TWD	6	DBC	-1.57	TEC	TEH			53	HOT	600UL
56	96	0.31	30	P 3	TWD	15	DBC	+2.17	TEC	TEH			5	HOT	600UL
62	96	0.53	107	P 3	TWD	26	DBC	+1.72	TEC	TEH			6	HOT	600UL
94	96	0.12	19	P 2	TWD	5	08H	-0.49	TEH	TEC			19	COLD	600UL
		0.19	159	P 2	TWD	9	09H	+0.79	TEH	TEC			19	COLD	600UL
114	96	0.51	160	P 3	TWD	21	DBH	+2.20	TEH	TEC			19	COLD	600UL
124	96	0.21	73	P 3	TWD	12	DBH	+0.54	TEH	TEC			20	COLD	600UL
		0.48	47	P 3	TWD	22	DBH	+1.97	TEH	TEC			20	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
126	96	0.30	134	P 2	TWD	14	VH1	-0.92	TEH	TEC			19	COLD	600UL
128	96	0.53	136	P 2	TWD	21	VH2	-0.85	TEH	TEC			20	COLD	600UL
132	96	0.14	106	P 2	TWD	8	VH1	+0.55	TEC	TEH			47	HOT	600UL
		0.38	109	P 2	TWD	18	VH1	-0.85	TEC	TEH			47	HOT	600UL
134	96	0.41	135	P 2	TWD	16	VH1	-0.89	TEC	TEH			49	HOT	600UL
144	96	0.70	95	P 2	TWD	28	VH1	+0.78	TEC	TEH			52	HOT	600UL
		0.23	23	P 2	TWD	13	VH1	+0.17	TEC	TEH			52	HOT	600UL
		0.30	54	P 3	TWD	15	DBH	+1.80	TEC	TEH			52	HOT	600UL
146	96	0.58	39	P 3	TWD	27	DBC	+1.92	TEC	TEH			53	HOT	600UL
55	97	0.67	103	P 3	TWD	26	DBH	-1.77	TEC	TEH			5	HOT	600UL
		0.60	9	P 3	TWD	24	DBH	+1.53	TEC	TEH			5	HOT	600UL
85	97	0.45	90	P 2	TWD	19	09H	-1.23	TEH	TEC			20	COLD	600UL
		0.44	35	P 2	TWD	18	09H	+1.33	TEH	TEC		LOCOK	20	COLD	600UL
93	97	0.52	110	P 2	TWD	21	09H	-0.19	TEH	TEC			20	COLD	600UL
		0.20	148	P 2	TWD	10	09H	+0.85	TEH	TEC			20	COLD	600UL
95	97	0.24	89	P 2	TWD	12	09H	-0.21	TEH	TEC			19	COLD	600UL
101	97	0.67	119	P 2	TWD	24	09H	-0.96	TEH	TEC			20	COLD	600UL
103	97	0.19	71	P 2	TWD	9	09H	-0.92	TEH	TEC			19	COLD	600UL
		0.19	113	P 2	TWD	9	09H	+0.81	TEH	TEC			19	COLD	600UL
123	97	0.42	137	P 3	TWD	18	DBH	+1.38	TEH	TEC			19	COLD	600UL
125	97	0.28	41	P 3	TWD	15	DBH	+1.66	TEH	TEC			20	COLD	600UL
131	97	0.23	116	P 2	TWD	12	VH1	+0.83	TEC	TEH			47	HOT	600UL
		0.12	18	P 2	TWD	7	VH1	-0.87	TEC	TEH			47	HOT	600UL
135	97	0.32	103	P 2	TWD	16	VH1	-0.93	TEC	TEH			47	HOT	600UL
141	97	0.31	146	P 2	TWD	17	VH2	+1.05	TEC	TEH			53	HOT	600UL
52	98	0.64	100	P 3	TWD	29	DBH	+1.60	TEC	TEH			6	HOT	600UL
		0.45	112	P 3	TWD	24	DBH	-1.54	TEC	TEH			6	HOT	600UL
54	98	0.69	103	P 3	TWD	26	DBH	-2.05	TEC	TEH			5	HOT	600UL
56	98	0.30	154	P 3	TWD	18	DBH	-1.65	TEC	TEH			6	HOT	600UL
58	98	0.27	54	P 3	TWD	13	DBH	-1.72	TEC	TEH			5	HOT	600UL
60	98	0.30	12	P 3	TWD	18	DBH	+1.95	TEC	TEH			6	HOT	600UL
84	98	0.24	103	P 2	TWD	12	09H	-1.36	TEH	TEC		LOCOK	19	COLD	600UL
86	98	0.21	63	P 2	TWD	10	06H	+0.86	TEH	TEC			20	COLD	600UL
88	98	0.25	92	P 2	TWD	12	09H	-1.07	TEH	TEC			19	COLD	600UL
92	98	0.50	129	P 2	TWD	22	08H	-0.57	TEH	TEC			19	COLD	600UL
96	98	0.38	119	P 2	TWD	18	09H	+0.67	TEH	TEC			19	COLD	600UL
142	98	0.33	116	P 2	TWD	18	VH1	+0.76	TEC	TEH			53	HOT	600UL
51	99	0.37	54	P 3	TWD	17	DBH	-1.49	TEC	TEH			5	HOT	600UL
		0.40	6	P 3	TWD	18	DBH	+1.59	TEC	TEH			5	HOT	600UL
55	99	0.36	93	P 3	TWD	17	DBH	-1.67	TEC	TEH			5	HOT	600UL
59	99	0.19	112	P 3	TWD	9	DBH	-1.77	TEC	TEH			5	HOT	600UL
87	99	0.31	163	P 2	TWD	15	07H	+0.97	TEH	TEC			19	COLD	600UL
		0.15	114	P 2	TWD	7	08H	-0.45	TEH	TEC			19	COLD	600UL
		0.22	99	P 2	TWD	10	09H	+0.97	TEH	TEC			19	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
91	99	0.27	106	P 2	TWD	13	08H	+0.90	TEH	TEC			19	COLD	600UL
		0.26	48	P 2	TWD	13	08H	-0.89	TEH	TEC			19	COLD	600UL
99	99	0.39	93	P 2	TWD	18	09H	-0.15	TEH	TEC			19	COLD	600UL
113	99	0.22	157	P 3	TWD	12	DBH	+2.14	TEH	TEC			20	COLD	600UL
125	99	0.33	37	P 3	TWD	16	DBH	+0.81	TEH	TEC			20	COLD	600UL
		0.37	125	P 3	TWD	18	DBH	+1.78	TEH	TEC			20	COLD	600UL
129	99	0.55	96	P 2	TWD	21	10H	-0.25	TEH	TEC			20	COLD	600UL
143	99	0.14	63	P 3	TWD	8	DBC	+1.66	TEC	TEH			52	HOT	600UL
145	99	0.52	129	P 2	TWD	24	VH2	+0.88	TEC	TEH			53	HOT	600UL
		0.25	142	P 2	TWD	14	08H	+0.77	TEC	TEH			53	HOT	600UL
		0.78	136	P 2	TWD	30	VH3	+0.78	TEC	TEH			53	HOT	600UL
		0.27	64	P 2	TWD	15	VH3	+0.16	TEC	TEH			53	HOT	600UL
		0.30	20	P 3	TWD	17	DBC	+1.98	TEC	TEH			53	HOT	600UL
44	100	0.75	71	P 3	TWD	32	DBH	-1.49	TEC	TEH			6	HOT	600UL
		0.26	103	P 3	TWD	17	DBH	+1.59	TEC	TEH			6	HOT	600UL
46	100	0.59	24	P 3	TWD	24	DBH	+1.62	TEC	TEH			5	HOT	600UL
50	100	0.61	76	P 3	TWD	29	DBH	-1.55	TEC	TEH			6	HOT	600UL
56	100	0.20	144	P 2	TWD	11	VSM	-0.85	TEC	TEH			5	HOT	600UL
82	100	0.33	101	P 2	TWD	16	VH3	-0.84	TEH	TEC			19	COLD	600UL
		0.29	45	P 2	TWD	14	VH3	+0.73	TEH	TEC			19	COLD	600UL
84	100	0.67	119	P 2	TWD	24	09H	-1.50	TEH	TEC		LOCOK	20	COLD	600UL
		0.36	81	P 2	TWD	16	09H	+1.52	TEH	TEC		LOCOK	20	COLD	600UL
100	100	0.46	142	P 2	TWD	19	09H	+0.85	TEH	TEC			20	COLD	600UL
106	100	0.35	131	P 2	TWD	17	09H	-0.88	TEH	TEC			19	COLD	600UL
126	100	0.32	88	P 2	TWD	15	VH1	-0.94	TEH	TEC			19	COLD	600UL
128	100	0.58	133	P 2	TWD	22	VH1	-0.89	TEH	TEC			20	COLD	600UL
132	100	0.46	133	P 2	TWD	21	VH1	-0.87	TEC	TEH			47	HOT	600UL
136	100	0.28	123	P 2	TWD	15	VH1	-0.88	TEC	TEH			52	HOT	600UL
		0.41	93	P 2	TWD	20	VH2	-1.10	TEC	TEH			52	HOT	600UL
146	100	0.26	52	P 2	TWD	15	10C	+0.00	TEC	TEH			53	HOT	600UL
		0.23	101	P 2	TWD	13	08C	-0.23	TEC	TEH			53	HOT	600UL
		0.49	110	P 2	TWD	23	10C	+0.84	TEC	TEH			53	HOT	600UL
		0.25	84	P 2	TWD	14	VC2	-0.90	TEC	TEH			53	HOT	600UL
45	101	0.54	16	P 3	TWD	22	DBH	+1.17	TEC	TEH			5	HOT	600UL
		0.14	39	P 3	TWD	7	DBH	-1.77	TEC	TEH			5	HOT	600UL
		0.34	73	P 3	TWD	16	DBC	-1.85	TEC	TEH			5	HOT	600UL
47	101	0.51	85	P 3	TWD	26	DBH	-1.86	TEC	TEH			6	HOT	600UL
		0.30	85	P 3	TWD	18	DBC	-1.93	TEC	TEH			6	HOT	600UL
49	101	0.36	118	P 3	TWD	16	DBH	-1.51	TEC	TEH			5	HOT	600UL
83	101	0.15	109	P 2	TWD	7	07H	-0.64	TEH	TEC			19	COLD	600UL
87	101	0.26	107	P 2	TWD	13	07H	+0.19	TEH	TEC			19	COLD	600UL
89	101	0.41	149	P 2	TWD	17	07H	+0.95	TEH	TEC			20	COLD	600UL
95	101	0.50	92	P 2	TWD	22	09H	-0.48	TEH	TEC			19	COLD	600UL
		0.17	36	P 2	TWD	8	09H	+0.69	TEH	TEC			19	COLD	600UL
99	101	0.32	125	P 2	TWD	15	08H	-0.32	TEH	TEC			19	COLD	600UL
		0.33	122	P 2	TWD	16	09H	+0.71	TEH	TEC			19	COLD	600UL
		0.32	122	P 3	TWD	14	DBH	+1.34	TEH	TEC			19	COLD	600UL
101	101	0.37	103	P 2	TWD	16	09H	-0.21	TEH	TEC			20	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
105	101	0.28	131	P 2	TWD	13	VH2	+0.40	TEH	TEC			20	COLD	600UL
133	101	0.29	151	P 2	TWD	16	VH1	-0.95	TEC	TEH			52	HOT	600UL
		0.55	124	P 2	TWD	24	10H	-1.03	TEC	TEH			52	HOT	600UL
143	101	0.27	75	P 2	TWD	15	VC1	-0.89	TEC	TEH			52	HOT	600UL
		0.13	151	P 3	TWD	7	DBC	+1.96	TEC	TEH			52	HOT	600UL
44	102	0.32	78	P 3	TWD	13	DBC	+1.44	TEH	TEC			11	COLD	600UL
48	102	0.39	113	P 3	TWD	16	DBH	-1.71	TEH	TEC			12	COLD	600UL
80	102	0.74	68	P 2	TWD	28	VC3	-0.86	TEH	TEC			11	COLD	600UL
84	102	0.31	29	P 2	TWD	14	09H	-1.44	TEH	TEC		LOCOK	45	COLD	600UL
		0.40	137	P 2	TWD	17	07H	-0.88	TEH	TEC			45	COLD	600UL
86	102	0.45	160	P 2	TWD	18	09H	+0.63	TEH	TEC			17	COLD	600UL
90	102	0.46	103	P 2	TWD	18	08H	+0.88	TEH	TEC			17	COLD	600UL
		0.24	145	P 2	TWD	11	09H	+0.08	TEH	TEC			17	COLD	600UL
92	102	0.52	62	P 2	TWD	20	09H	+0.97	TEH	TEC			18	COLD	600UL
94	102	0.32	94	P 2	TWD	14	09H	-0.36	TEH	TEC			17	COLD	600UL
100	102	0.39	115	P 2	TWD	15	09H	-0.29	TEH	TEC			18	COLD	600UL
134	102	0.35	149	P 2	TWD	18	VH2	+0.80	TEC	TEH			52	HOT	600UL
		0.24	99	P 2	TWD	13	VH2	-0.86	TEC	TEH			52	HOT	600UL
144	102	0.36	72	P 2	TWD	19	VC3	+0.77	TEC	TEH			53	HOT	600UL
		0.21	44	P 3	TWD	13	DBH	+1.88	TEC	TEH			53	HOT	600UL
41	103	0.44	95	P 3	TWD	18	DBH	+1.66	TEH	TEC			12	COLD	600UL
		0.26	134	P 3	TWD	12	DBH	-1.65	TEH	TEC			12	COLD	600UL
47	103	1.18	97	P 2	TWD	36	VSM	-0.77	TEH	TEC			11	COLD	600UL
91	103	0.47	131	P 2	TWD	19	08H	+0.84	TEH	TEC			17	COLD	600UL
95	103	0.33	57	P 2	TWD	14	09H	+0.88	TEH	TEC			17	COLD	600UL
97	103	0.66	127	P 2	TWD	23	09H	+0.31	TEH	TEC			18	COLD	600UL
99	103	0.15	139	P 2	TWD	7	09H	+0.27	TEH	TEC			17	COLD	600UL
		0.62	98	P 2	TWD	23	09H	+0.92	TEH	TEC			17	COLD	600UL
127	103	0.56	149	P 2	TWD	21	VH1	-0.90	TEH	TEC			17	COLD	600UL
		0.78	82	P 2	TWD	26	VH1	+1.02	TEH	TEC			17	COLD	600UL
131	103	1.03	69	P 2	TWD	34	VC3	-0.82	TEC	TEH			52	HOT	600UL
137	103	0.62	77	P 2	TWD	26	VH1	-0.91	TEC	TEH			52	HOT	600UL
		0.34	49	P 2	TWD	17	VH1	+0.74	TEC	TEH			52	HOT	600UL
38	104	0.29	84	P 3	TWD	13	DBH	-1.55	TEH	TEC			12	COLD	600UL
40	104	0.78	135	P 2	TWD	28	VSM	+0.90	TEH	TEC			11	COLD	600UL
48	104	0.56	105	P 2	TWD	23	VSM	+0.88	TEH	TEC			11	COLD	600UL
88	104	0.36	132	P 2	TWD	14	VH2	-0.85	TEH	TEC			46	COLD	600UL
92	104	0.30	50	P 2	TWD	13	09H	+0.23	TEH	TEC			17	COLD	600UL
94	104	0.26	95	P 3	TWD	13	DBH	+1.25	TEH	TEC			18	COLD	600UL
126	104	0.51	154	P 2	TWD	20	VH1	-0.92	TEH	TEC			17	COLD	600UL
142	104	0.30	134	P 3	TWD	17	DBH	+2.01	TEC	TEH			53	HOT	600UL
37	105	0.46	42	P 3	TWD	18	DBH	+1.92	TEH	TEC			11	COLD	600UL
87	105	0.22	63	P 3	TWD	8	DBH	-2.01	TEH	TEC			45	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
91	105	0.62	134	P 2	TWD 23	09H		-0.17	TEH	TEC			17	COLD	600UL
93	105	0.35	125	P 2	TWD 14	08H		-0.50	TEH	TEC			18	COLD	600UL
95	105	0.70	134	P 2	TWD 25	09H		+0.82	TEH	TEC			17	COLD	600UL
		0.22	38	P 3	TWD 9	DBH		+0.79	TEH	TEC			17	COLD	600UL
105	105	0.32	111	P 2	TWD 13	VH2		-0.52	TEH	TEC			18	COLD	600UL
143	105	0.33	64	P 3	TWD 18	DBH		-1.69	TEC	TEH			53	HOT	600UL
		0.39	132	P 3	TWD 21	DBC		+1.61	TEC	TEH			53	HOT	600UL
		0.29	15	P 3	TWD 16	DBH		+1.78	TEC	TEH			53	HOT	600UL
32	106	0.32	92	P 2	TWD 16	04C		+0.86	TEH	TEC			11	COLD	600UL
38	106	0.19	63	P 2	TWD 8	VSM		+0.19	TEH	TEC			12	COLD	600UL
		0.32	109	P 2	TWD 13	VSM		+1.03	TEH	TEC			12	COLD	600UL
48	106	0.55	78	P 2	TWD 23	VSM		+0.84	TEH	TEC			11	COLD	600UL
		0.39	65	P 2	TWD 18	VSM		-0.73	TEH	TEC			11	COLD	600UL
		0.62	85	P 2	TWD 25	VSM		-0.11	TEH	TEC			11	COLD	600UL
84	106	0.39	95	P 2	TWD 15	09H		-1.46	TEH	TEC		LOCOK	46	COLD	600UL
		0.70	117	P 2	TWD 24	09H		+1.56	TEH	TEC		LOCOK	46	COLD	600UL
98	106	0.38	144	P 2	TWD 16	09H		+0.99	TEH	TEC			17	COLD	600UL
		0.28	46	P 2	TWD 13	09H		-0.10	TEH	TEC			17	COLD	600UL
102	106	0.26	98	P 2	TWD 12	04C		+0.88	TEH	TEC			17	COLD	600UL
126	106	0.51	120	P 2	TWD 20	VH1		-0.48	TEH	TEC			17	COLD	600UL
128	106	0.52	137	P 2	TWD 20	VH1		-0.92	TEH	TEC			17	COLD	600UL
130	106	0.44	135	P 2	TWD 18	VH1		-0.83	TEH	TEC			18	COLD	600UL
		0.29	108	P 2	TWD 13	VH1		-0.14	TEH	TEC			18	COLD	600UL
136	106	0.51	26	P 2	TWD 23	VH2		-1.20	TEC	TEH			52	HOT	600UL
140	106	0.16	91	P 3	TWD 10	DBH		+1.36	TEC	TEH			53	HOT	600UL
29	107	0.31	58	P 3	TWD 12	DBH		-1.70	TEH	TEC			11	COLD	600UL
35	107	0.41	141	P 2	TWD 16	VSM		-0.86	TEH	TEC			12	COLD	600UL
		0.35	145	P 2	TWD 14	VSM		+0.00	TEH	TEC			12	COLD	600UL
73	107	0.29	124	P 2	TWD 12	VH3		-0.79	TEH	TEC			12	COLD	600UL
		0.69	119	P 2	TWD 24	VH3		+0.88	TEH	TEC			12	COLD	600UL
81	107	0.34	69	P 3	TWD 14	DBH		-1.93	TEH	TEC			46	COLD	600UL
97	107	0.59	101	P 2	TWD 22	09H		+0.02	TEH	TEC			17	COLD	600UL
		0.64	67	P 2	TWD 23	09H		-0.63	TEH	TEC			17	COLD	600UL
111	107	0.67	100	P 2	TWD 24	VH2		-0.80	TEH	TEC			17	COLD	600UL
115	107	0.12	10	P 3	TWD 5	DBH		+2.24	TEH	TEC			17	COLD	600UL
24	108	0.66	119	P 2	TWD 23	VSM		-0.51	TEH	TEC			12	COLD	600UL
36	108	0.51	104	P 2	TWD 19	VSM		-0.91	TEH	TEC			12	COLD	600UL
		0.51	122	P 2	TWD 19	VSM		-0.09	TEH	TEC			12	COLD	600UL
44	108	0.77	120	P 2	TWD 25	VSM		-0.54	TEH	TEC			12	COLD	600UL
		0.68	118	P 2	TWD 23	VSM		+0.11	TEH	TEC			12	COLD	600UL
48	108	0.39	133	P 2	TWD 15	VSM		-0.58	TEH	TEC			12	COLD	600UL
84	108	0.42	143	P 2	TWD 17	09H		-1.72	TEH	TEC		LOCOK	18	COLD	600UL
		0.41	123	P 2	TWD 17	09H		+1.51	TEH	TEC		LOCOK	18	COLD	600UL
86	108	0.66	75	P 2	TWD 24	VH2		-0.32	TEH	TEC			17	COLD	600UL
102	108	0.45	66	P 2	TWD 18	VH2		-0.78	TEH	TEC			17	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
126	108	0.30	109	P 2	TWD	13	VH1	+0.27	TEH	TEC			17	COLD	600UL
		0.57	136	P 2	TWD	22	VH1	-0.97	TEH	TEC			17	COLD	600UL
136	108	0.34	91	P 2	TWD	18	VH1	+0.70	TEC	TEH			52	HOT	600UL
		0.44	135	P 2	TWD	21	VH1	-0.93	TEC	TEH			52	HOT	600UL
142	108	0.28	136	P 2	TWD	16	VH3	+0.82	TEC	TEH			53	HOT	600UL
		0.30	137	P 2	TWD	16	VH2	-1.07	TEC	TEH			53	HOT	600UL
		0.23	133	P 2	TWD	13	VH1	-0.92	TEC	TEH			53	HOT	600UL
17	109	0.29	69	P 3	TWD	13	DBC	-2.00	TEH	TEC			12	COLD	600UL
47	109	0.33	69	P 2	TWD	16	VSM	-0.13	TEH	TEC			11	COLD	600UL
89	109	0.33	67	P 2	TWD	14	08H	-0.34	TEH	TEC			17	COLD	600UL
		0.24	127	P 2	TWD	11	09H	+0.61	TEH	TEC			17	COLD	600UL
95	109	0.25	52	P 2	TWD	11	09H	+0.82	TEH	TEC			17	COLD	600UL
99	109	0.22	144	P 2	TWD	10	09H	+0.78	TEH	TEC			17	COLD	600UL
117	109	0.35	125	P 2	TWD	14	VH2	-0.81	TEH	TEC			18	COLD	600UL
121	109	0.26	77	P 2	TWD	11	10H	-1.12	TEH	TEC			18	COLD	600UL
44	110	0.50	83	P 2	TWD	22	VSM	+0.82	TEH	TEC			11	COLD	600UL
82	110	0.41	40	P 2	TWD	17	VH3	+0.83	TEH	TEC			18	COLD	600UL
84	110	0.20	52	P 2	TWD	9	08H	+0.11	TEH	TEC			17	COLD	600UL
		0.72	135	P 2	TWD	25	09H	-1.72	TEH	TEC		LOCOK	17	COLD	600UL
		0.78	117	P 2	TWD	26	09H	+1.49	TEH	TEC		LOCOK	17	COLD	600UL
96	110	0.26	100	P 2	TWD	10	09H	+0.19	TEH	TEC			18	COLD	600UL
122	110	0.36	146	P 2	TWD	15	VH1	-0.76	TEH	TEC			17	COLD	600UL
124	110	0.58	111	P 2	TWD	21	VH1	-0.19	TEH	TEC			18	COLD	600UL
134	110	0.51	139	P 2	TWD	23	VH1	-0.86	TEC	TEH			52	HOT	600UL
142	110	0.17	57	P 3	TWD	11	DBH	+2.12	TEC	TEH			53	HOT	600UL
73	111	0.29	110	P 2	TWD	13	VSM	-0.69	TEH	TEC			10	COLD	600UL
		0.44	146	P 2	TWD	18	VSM	+0.79	TEH	TEC			10	COLD	600UL
81	111	0.41	119	P 2	TWD	17	VH3	+0.90	TEH	TEC			17	COLD	600UL
		0.95	124	P 2	TWD	30	VC3	-0.73	TEH	TEC			17	COLD	600UL
		0.49	108	P 2	TWD	19	VC3	+0.90	TEH	TEC			17	COLD	600UL
87	111	0.25	104	P 2	TWD	11	08H	-0.38	TEH	TEC			17	COLD	600UL
91	111	0.43	55	P 2	TWD	17	09H	+0.65	TEH	TEC			17	COLD	600UL
93	111	0.45	122	P 2	TWD	18	08H	+0.31	TEH	TEC			18	COLD	600UL
95	111	0.38	78	P 2	TWD	16	09H	+0.86	TEH	TEC			17	COLD	600UL
101	111	0.37	45	P 2	TWD	16	VH2	+0.80	TEH	TEC			17	COLD	600UL
127	111	0.38	112	P 2	TWD	16	VH1	-0.85	TEH	TEC			18	COLD	600UL
139	111	0.26	67	P 3	TWD	13	DBH	+1.80	TEC	TEH			52	HOT	600UL
18	112	0.44	12	2	SAI		TSH	-1.28	TSH	TSH	0.14	19.00	89	HOT	580PP
		0.36	11	2	SAI		TSH	-1.56	TSH	TSH	0.12	19.00	89	HOT	580PP
34	112	0.33	32	P 2	TWD	15	VSM	+0.65	TEH	TEC			9	COLD	600UL
36	112	0.34	93	P 2	TWD	14	VSM	-0.75	TEH	TEC			10	COLD	600UL
		0.74	132	P 2	TWD	25	VSM	+0.73	TEH	TEC			10	COLD	600UL
48	112	0.59	91	P 2	TWD	22	VSM	-0.02	TEH	TEC			10	COLD	600UL
		1.21	91	P 2	TWD	33	VSM	+0.83	TEH	TEC			10	COLD	600UL
86	112	0.39	40	P 2	TWD	15	08H	-0.21	TEH	TEC			18	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
92	112	0.70	101	P 2	TWD	25	09H	+0.23	TEH	TEC			17	COLD	600UL
		0.28	100	P 2	TWD	13	09H	+0.82	TEH	TEC			17	COLD	600UL
112	112	0.54	124	P 2	TWD	21	VH2	-0.75	TEH	TEC			17	COLD	600UL
118	112	0.37	108	P 2	TWD	15	VH2	-0.85	TEH	TEC			18	COLD	600UL
122	112	0.37	112	P 2	TWD	15	VH1	-1.04	TEH	TEC			18	COLD	600UL
		0.49	73	P 2	TWD	19	VH2	-0.91	TEH	TEC			18	COLD	600UL
124	112	0.79	111	P 2	TWD	26	VH1	+0.75	TEH	TEC			17	COLD	600UL
136	112	0.47	79	P 2	TWD	22	VH2	-1.24	TEC	TEH			53	HOT	600UL
1	113	0.40	125	P 2	TWD	20	04H	+0.77	07H	TEH	LAR		40	HOT	600UL
47	113	0.48	77	P 2	TWD	20	VSM	-0.90	TEH	TEC			7	COLD	600UL
		0.60	103	P 2	TWD	24	VSM	-0.02	TEH	TEC			7	COLD	600UL
		0.93	112	P 2	TWD	31	VSM	+0.82	TEH	TEC			7	COLD	600UL
		0.17	154	P 3	TWD	8	DBC	-1.68	TEH	TEC			7	COLD	600UL
73	113	0.43	73	P 2	TWD	17	02H	-1.24	TEH	TEC			8	COLD	600UL
77	113	0.28	93	P 2	TWD	12	VSM	+0.89	TEH	TEC			8	COLD	600UL
		0.17	109	P 3	TWD	8	DBC	+1.87	TEH	TEC			8	COLD	600UL
		0.45	111	P 2	TWD	18	VH3	+0.87	TEH	TEC			8	COLD	600UL
		0.25	107	P 2	TWD	11	VSM	-0.02	TEH	TEC			8	COLD	600UL
81	113	0.55	91	P 2	TWD	21	08H	-0.26	TEH	TEC			17	COLD	600UL
		1.02	113	P 2	TWD	31	VSM	-0.61	TEH	TEC			17	COLD	600UL
		0.29	121	P 2	TWD	13	VC3	+0.84	TEH	TEC			17	COLD	600UL
89	113	0.49	123	P 2	TWD	19	09H	+0.53	TEH	TEC			17	COLD	600UL
91	113	0.29	105	P 2	TWD	12	09H	-0.39	TEH	TEC			18	COLD	600UL
		0.54	96	P 2	TWD	20	09H	+0.50	TEH	TEC			18	COLD	600UL
93	113	0.37	72	P 2	TWD	16	09H	+0.61	TEH	TEC			17	COLD	600UL
105	113	0.39	108	P 2	TWD	16	VH2	-0.73	TEH	TEC			17	COLD	600UL
141	113	0.28	158	P 2	TWD	15	09C	+0.88	TEC	TEH			53	HOT	600UL
10	114	1.22	34	P 1	MCI		TSH	-17.95	TSH	TSH	0.57	19.64	60	HOT	580PP
		0.43	22	P 1	SCI		TSH	-12.25	TSH	TSH	0.14	19.64	60	HOT	580PP
70	114	0.30	110	P 2	TWD	13	07H	-0.76	TEH	TEC			8	COLD	600UL
76	114	0.55	97	P 2	TWD	22	VH3	+0.63	TEH	TEC			7	COLD	600UL
		0.39	136	P 2	TWD	18	VC3	+0.84	TEH	TEC			7	COLD	600UL
		0.31	107	P 2	TWD	15	VSM	-0.71	TEH	TEC			7	COLD	600UL
84	114	0.38	122	P 2	TWD	15	09H	+1.89	TEH	TEC		LOCOK	15	COLD	600UL
		0.51	131	P 2	TWD	20	09H	-1.41	TEH	TEC		LOCOK	15	COLD	600UL
86	114	0.39	74	P 2	TWD	16	VH2	-0.67	TEH	TEC			16	COLD	600UL
120	114	0.31	100	P 3	TWD	14	DBH	+0.42	TEH	TEC			16	COLD	600UL
122	114	0.24	81	P 2	TWD	9	VH1	+0.55	TEH	TEC			15	COLD	600UL
126	114	0.36	122	P 2	TWD	14	VH1	+0.80	TEH	TEC			15	COLD	600UL
43	115	0.58	139	P 2	TWD	23	VSM	+0.76	TEH	TEC			7	COLD	600UL
79	115	0.46	149	P 2	TWD	20	VH3	+0.86	TEH	TEC			7	COLD	600UL
		0.46	71	P 2	TWD	19	VC3	-0.86	TEH	TEC			7	COLD	600UL
91	115	0.28	124	P 2	TWD	12	09H	+0.29	TEH	TEC			16	COLD	600UL
125	115	0.41	144	P 2	TWD	16	VH1	+0.63	TEH	TEC			15	COLD	600UL
127	115	0.42	110	P 2	TWD	17	VH1	+0.83	TEH	TEC			16	COLD	600UL
78	116	0.48	99	P 2	TWD	19	02H	-0.45	TEH	TEC			8	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
84	116	0.47	101	P 2	TWD 19	09H		-1.54	TEH	TEC		LOCOK	15	COLD	600UL
		0.56	141	P 2	TWD 21	09H		+1.35	TEH	TEC		LOCOK	15	COLD	600UL
86	116	0.40	96	P 2	TWD 16	09H		-1.10	TEH	TEC			16	COLD	600UL
102	116	0.46	128	P 2	TWD 18	VH2		-0.91	TEH	TEC			16	COLD	600UL
124	116	0.65	139	P 2	TWD 24	VH1		-0.77	TEH	TEC			16	COLD	600UL
79	117	0.29	137	P 2	TWD 14	07H		-0.77	TEH	TEC			7	COLD	600UL
		0.73	110	P 2	TWD 27	VC3		-0.92	TEH	TEC			7	COLD	600UL
		0.81	121	P 2	TWD 28	VC3		+0.80	TEH	TEC			7	COLD	600UL
83	117	0.33	80	P 2	TWD 14	01H		+0.90	TEH	TEC			16	COLD	600UL
		0.30	146	P 2	TWD 12	05C		+0.50	TEH	TEC			16	COLD	600UL
87	117	0.39	124	P 2	TWD 16	09H		+0.31	TEH	TEC			16	COLD	600UL
113	117	0.19	36	P 3	TWD 8	DBH		+1.89	TEH	TEC			15	COLD	600UL
46	118	0.19	89	P 2	TWD 10	07H		+0.39	TEH	TEC			7	COLD	600UL
74	118	0.51	97	P 2	TWD 21	08H		+0.95	TEH	TEC			7	COLD	600UL
84	118	0.46	130	P 2	TWD 19	09H		-1.20	TEH	TEC			15	COLD	600UL
96	118	0.40	108	P 2	TWD 16	VH2		-0.93	TEH	TEC			15	COLD	600UL
116	118	0.33	106	P 2	TWD 14	VH1		-0.85	TEH	TEC			16	COLD	600UL
122	118	0.43	59	P 2	TWD 17	VH2		-0.86	TEH	TEC			15	COLD	600UL
126	118	0.40	153	P 2	TWD 16	VH1		+0.78	TEH	TEC			15	COLD	600UL
130	118	0.44	120	P 2	TWD 18	VH2		-0.88	TEH	TEC			15	COLD	600UL
132	118	0.09	107	P 3	TWD 4	DBH		+1.77	TEC	TEH			52	HOT	600UL
136	118	0.12	14	P 3	TWD 8	DBH		+1.49	TEC	TEH			53	HOT	600UL
127	119	0.35	139	P 2	TWD 14	VH1		-1.00	TEH	TEC			16	COLD	600UL
86	120	0.42	66	P 2	TWD 17	VH2		-0.65	TEH	TEC			16	COLD	600UL
106	120	0.19	76	P 3	TWD 9	DBC		+1.56	TEH	TEC			16	COLD	600UL
120	120	0.36	108	P 2	TWD 14	10H		-1.65	TEH	TEC		LOCOK	15	COLD	600UL
124	120	0.52	107	P 2	TWD 20	VH2		-0.76	TEH	TEC			15	COLD	600UL
35	121	0.39	119	P 2	TWD 17	05H		+0.81	TEH	TEC			5	COLD	600UL
75	121	0.22	109	P 2	TWD 11	VH3		-0.79	TEH	TEC			5	COLD	600UL
81	121	0.45	154	P 2	TWD 18	VH3		+0.83	TEH	TEC			16	COLD	600UL
		0.69	105	P 2	TWD 24	VH3		-0.81	TEH	TEC			16	COLD	600UL
40	122	0.27	88	P 2	TWD 12	07H		-0.45	TEH	TEC			6	COLD	600UL
58	122	0.31	36	P 2	TWD 14	02H		-1.19	TEH	TEC			5	COLD	600UL
84	122	0.43	127	P 2	TWD 18	09H		-1.55	TEH	TEC		LOCOK	16	COLD	600UL
112	122	0.56	71	P 2	TWD 21	04C		-0.91	TEH	TEC			15	COLD	600UL
23	123	0.36	123	P 2	TWD 16	07H		+0.35	TEH	TEC			5	COLD	600UL
29	123	0.28	114	P 2	TWD 12	07H		+0.63	TEH	TEC			6	COLD	600UL
43	123	0.39	88	P 2	TWD 17	07H		-0.42	TEH	TEC			5	COLD	600UL
59	123	0.25	79	P 2	TWD 12	07H		-0.29	TEH	TEC			5	COLD	600UL
20	124	0.52	105	P 2	TWD 19	07H		-0.21	TEH	TEC			6	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
32	124	0.59	126	P 2	TWD	23	VSM	-0.70	TEH	TEC			5	COLD	600UL
78	124	0.49	114	P 2	TWD	19	VH3	+0.00	TEH	TEC			6	COLD	600UL
		0.68	80	P 2	TWD	24	VH3	+0.98	TEH	TEC			6	COLD	600UL
		0.43	75	P 2	TWD	16	VC3	-0.73	TEH	TEC			6	COLD	600UL
		0.66	95	P 2	TWD	23	VC3	+0.90	TEH	TEC			6	COLD	600UL
120	124	0.46	107	P 2	TWD	19	10H	+1.50	TEH	TEC		LOCOK	15	COLD	600UL
11	125	0.50	20	P 1	SCI		TSH	-15.44	TSH	TSH	0.18	18.51	118	HOT	580PP
		0.28	20	P 1	SCI		TSH	-13.80	TSH	TSH	0.16	18.51	118	HOT	580PP
35	125	0.40	108	P 2	TWD	18	VSM	+0.80	TEH	TEC			5	COLD	600UL
		0.30	148	P 2	TWD	13	VSM	-0.76	TEH	TEC			5	COLD	600UL
49	125	0.33	118	P 2	TWD	14	08H	-1.28	TEH	TEC		LOCOK	6	COLD	600UL
		0.46	74	P 2	TWD	18	08H	+1.67	TEH	TEC		LOCOK	6	COLD	600UL
		0.29	55	P 2	TWD	12	08C	-1.34	TEH	TEC		LOCOK	6	COLD	600UL
79	125	0.42	106	P 2	TWD	18	VC3	+0.84	TEH	TEC			5	COLD	600UL
		0.35	123	P 2	TWD	15	VC3	-0.86	TEH	TEC			5	COLD	600UL
24	126	0.38	108	P 2	TWD	15	07H	+0.74	TEH	TEC			4	COLD	600UL
46	126	0.39	94	P 2	TWD	17	01H	+0.90	TEH	TEC			5	COLD	600UL
48	126	0.55	143	P 2	TWD	21	VSM	+0.82	TEH	TEC			6	COLD	600UL
114	126	0.43	145	P 2	TWD	17	VH2	-0.89	TEH	TEC			46	COLD	600UL
		0.33	101	P 2	TWD	14	VC2	-0.91	TEH	TEC			46	COLD	600UL
11	127	0.54	29	P 1	SCI		TSH	-0.04	TSH	TSH	0.15	18.82	89	HOT	580PP
23	127	0.35	112	P 2	TWD	16	06H	+0.40	TEH	TEC			3	COLD	600UL
37	127	0.37	77	P 2	TWD	14	VSM	-0.84	TEH	TEC			4	COLD	600UL
49	127	0.41	65	P 2	TWD	16	08H	-1.22	TEH	TEC			4	COLD	600UL
85	127	0.39	60	P 2	TWD	16	VH2	+0.80	TEH	TEC			46	COLD	600UL
34	128	0.21	111	P 2	TWD	11	VSM	+0.76	TEH	TEC			3	COLD	600UL
48	128	1.24	110	P 2	TWD	34	VSM	+0.02	TEH	TEC			4	COLD	600UL
		0.74	127	P 2	TWD	25	VSM	-0.63	TEH	TEC			4	COLD	600UL
		0.45	110	P 2	TWD	17	VSM	+0.73	TEH	TEC			4	COLD	600UL
60	128	0.36	37	P 2	TWD	14	08H	+0.27	TEH	TEC			4	COLD	600UL
64	128	0.32	118	P 2	TWD	13	08H	+0.38	TEH	TEC			4	COLD	600UL
41	129	0.46	19	P 3	TWD	19	DBH	+1.70	TEH	TEC			4	COLD	600UL
61	129	0.54	101	P 2	TWD	20	08H	+0.48	TEH	TEC			4	COLD	600UL
81	129	0.83	113	P 2	TWD	29	VC3	+0.83	TEH	TEC			45	COLD	600UL
		0.35	63	P 2	TWD	15	VH3	+0.93	TEH	TEC			45	COLD	600UL
129	129	0.38	138	P 3	TWD	16	DBH	+1.92	TEH	TEC			46	COLD	600UL
82	130	0.34	110	P 2	TWD	17	VC3	-0.80	TEC	TEH			9	HOT	600UL
		0.65	142	P 2	TWD	26	VH3	-0.88	TEC	TEH			9	HOT	600UL
128	130	0.27	90	P 2	TWD	14	08C	-0.98	TEC	TEH			10	HOT	600UL
49	131	0.24	65	P 3	TWD	15	DBH	-1.02	TEC	TEH			18	HOT	600UL
77	131	0.25	106	P 2	TWD	14	VH3	-0.90	TEC	TEH			18	HOT	600UL
79	131	0.30	117	P 2	TWD	15	VSM	-0.55	TEC	TEH			17	HOT	600UL
8	132	0.27	16	P 1	SCI		TSH	-6.02	TSH	TSH	0.14	19.54	60	HOT	580PP
76	132	0.30	148	P 2	TWD	16	VH3	+0.75	TEC	TEH			18	HOT	600UL
80	132	0.10	136	P 3	TWD	5	DBC	+1.99	TEC	TEH			17	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
82	132	0.47	124	P 2	TWD 21	VH3		+0.81	TEC	TEH			9	HOT	600UL
		0.30	146	P 2	TWD 15	VH3		-0.91	TEC	TEH			9	HOT	600UL
112	132	0.42	40	P 2	TWD 20	VC3		+0.62	TEC	TEH			10	HOT	600UL
		0.31	81	P 2	TWD 16	VC2		-0.90	TEC	TEH			10	HOT	600UL
114	132	0.32	130	P 2	TWD 16	VH2		-0.84	TEC	TEH			9	HOT	600UL
113	133	0.33	109	P 2	TWD 17	VH2		-0.70	TEC	TEH			9	HOT	600UL
115	133	0.41	71	P 2	TWD 20	VH1		+0.88	TEC	TEH			10	HOT	600UL
8	134	0.24	57	P 3	TWD 15	DBC		-0.87	TEC	TEH			46	HOT	600UL
94	134	0.42	56	P 2	TWD 20	VH2		-1.06	TEC	TEH			9	HOT	600UL
		0.15	28	P 3	TWD 8	DBC		+2.06	TEC	TEH			9	HOT	600UL
100	134	0.18	114	P 3	TWD 11	DBC		+2.16	TEC	TEH			10	HOT	600UL
106	134	0.67	111	P 2	TWD 27	VH2		-0.90	TEC	TEH			9	HOT	600UL
110	134	0.38	139	P 2	TWD 19	VH2		-0.71	TEC	TEH			9	HOT	600UL
124	134	0.10	56	P 3	TWD 6	DBH		+1.83	TEC	TEH			10	HOT	600UL
76	136	0.32	128	P 2	TWD 17	VSM		-0.77	TEC	TEH			18	HOT	600UL
		0.50	101	P 2	TWD 23	VH3		+0.94	TEC	TEH			18	HOT	600UL
70	138	0.41	107	P 2	TWD 19	VC3		-0.92	TEC	TEH			21	HOT	600UL
114	138	0.37	84	P 2	TWD 18	VH2		-0.87	TEC	TEH			10	HOT	600UL
11	139	0.29	18	P 1	SCI	TSH		-14.57	TSH	TSH	0.12	18.39	155	HOT	580PP
83	139	0.27	148	P 2	TWD 14	VH2		+0.79	TEC	TEH			10	HOT	600UL
80	140	0.48	139	P 2	TWD 21	VC3		+0.75	TEC	TEH			21	HOT	600UL
		0.84	112	P 2	TWD 30	VC3		-0.91	TEC	TEH			21	HOT	600UL
		0.34	152	P 2	TWD 16	VH3		+0.83	TEC	TEH			21	HOT	600UL
		0.46	111	P 2	TWD 21	VH3		-0.89	TEC	TEH			21	HOT	600UL
110	140	0.29	103	P 2	TWD 15	VH2		+0.60	TEC	TEH			9	HOT	600UL
61	141	0.30	135	P 2	TWD 16	VSM		-0.83	TEC	TEH			22	HOT	600UL
81	141	0.32	145	P 2	TWD 17	VH3		+0.93	TEC	TEH			13	HOT	600UL
		0.38	156	P 2	TWD 19	VH3		-0.73	TEC	TEH			13	HOT	600UL
60	142	0.28	57	P 2	TWD 15	VH3		-0.92	TEC	TEH			22	HOT	600UL
80	142	0.62	127	P 2	TWD 25	VC3		+0.79	TEC	TEH			21	HOT	600UL
		0.48	147	P 2	TWD 21	VC3		-0.87	TEC	TEH			21	HOT	600UL
		0.24	99	P 2	TWD 12	VSM		+0.91	TEC	TEH			21	HOT	600UL
		0.44	144	P 2	TWD 20	VSM		-0.81	TEC	TEH			21	HOT	600UL
		0.46	138	P 2	TWD 21	VH3		+0.77	TEC	TEH			21	HOT	600UL
		0.56	136	P 2	TWD 24	VH3		-0.89	TEC	TEH			21	HOT	600UL
98	142	0.36	143	P 2	TWD 17	VH2		-0.99	TEC	TEH			13	HOT	600UL
108	142	0.48	108	P 2	TWD 23	VH2		-0.83	TEC	TEH			14	HOT	600UL
110	142	0.38	76	P 2	TWD 18	VC2		-1.03	TEC	TEH			13	HOT	600UL
37	143	0.44	72	P 2	TWD 20	01H		+0.71	TEC	TEH			21	HOT	600UL
57	143	0.42	98	P 2	TWD 19	05H		-0.24	TEC	TEH			21	HOT	600UL
67	143	0.48	108	P 2	TWD 21	VH3		+0.89	TEC	TEH			21	HOT	600UL
105	143	0.41	57	P 2	TWD 19	VH2		-0.89	TEC	TEH			13	HOT	600UL
107	143	0.41	130	P 2	TWD 20	VH2		-0.77	TEC	TEH			14	HOT	600UL
94	144	0.29	116	P 2	TWD 15	VH2		-1.13	TEC	TEH			13	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
23	145	0.29	113	P 2	TWD	17	VSM	-1.04	TEC	TEH			25	HOT	600UL
59	145	0.51	85	P 2	TWD	22	VH3	+0.95	TEC	TEH			21	HOT	600UL
		0.37	133	P 2	TWD	18	VH3	-0.85	TEC	TEH			21	HOT	600UL
56	146	0.48	124	P 2	TWD	24	VH3	-0.83	TEC	TEH			25	HOT	600UL
70	146	0.22	85	P 2	TWD	14	01H	+0.80	TEC	TEH			26	HOT	600UL
94	146	0.28	85	P 2	TWD	15	VH2	-0.89	TEC	TEH			13	HOT	600UL
		0.30	122	P 2	TWD	16	VH2	+0.95	TEC	TEH			13	HOT	600UL
		0.69	108	P 2	TWD	28	VH3	-0.91	TEC	TEH			13	HOT	600UL
37	147	0.24	142	P 2	TWD	14	VSM	+0.78	TEC	TEH			26	HOT	600UL
72	148	0.24	135	P 2	TWD	14	VC3	+0.94	TEC	TEH			26	HOT	600UL
94	148	0.32	65	P 2	TWD	16	VC3	+0.91	TEC	TEH			13	HOT	600UL
100	148	0.35	113	P 2	TWD	18	VH2	-0.87	TEC	TEH			14	HOT	600UL
11	149	0.30	12	P 1	SCI		TSH	-17.38	TSH	TSH	0.19	18.49	146	HOT	580PP
		0.93	27	P 1	SCI		TEH	+0.96	TEH	TEH	0.21		190	HOT	580PP
43	149	0.40	68	P 2	TWD	21	VSM	+0.90	TEC	TEH			25	HOT	600UL
61	149	0.34	139	P 2	TWD	19	VH3	-0.90	TEC	TEH			26	HOT	600UL
93	149	0.22	31	P 3	TWD	15	DBC	-1.68	TEC	TEH			14	HOT	600UL
60	150	0.35	149	P 2	TWD	19	VH3	-0.94	TEC	TEH			26	HOT	600UL
64	150	0.33	148	P 2	TWD	19	VH3	+0.77	TEC	TEH			26	HOT	600UL
51	151	0.29	51	P 2	TWD	16	03H	-1.18	TEC	TEH			25	HOT	600UL
89	151	0.24	113	P 2	TWD	13	VC3	-0.89	TEC	TEH			14	HOT	600UL
48	152	0.56	101	P 2	TWD	27	VSM	-0.65	TEC	TEH			26	HOT	600UL
82	152	0.38	112	P 2	TWD	18	08C	-0.20	TEC	TEH			13	HOT	600UL
96	152	0.31	94	P 2	TWD	17	02C	+0.79	TEC	TEH			14	HOT	600UL
23	153	0.37	86	P 2	TWD	20	VSM	-0.93	TEC	TEH			25	HOT	600UL
67	153	0.41	132	P 2	TWD	21	VH3	-0.89	TEC	TEH			25	HOT	600UL
71	153	0.44	127	P 2	TWD	22	VH3	+0.00	TEC	TEH			25	HOT	600UL
81	153	0.21	165	P 3	TWD	9	DBC	+1.80	TEC	TEH			13	HOT	600UL
83	153	0.40	108	P 2	TWD	19	VH2	+0.85	TEC	TEH			13	HOT	600UL
44	154	0.36	104	P 2	TWD	20	VSM	+0.68	TEC	TEH			26	HOT	600UL
48	154	0.27	154	P 2	TWD	16	VSM	+0.77	TEC	TEH			26	HOT	600UL
54	156	0.80	90	P 2	TWD	32	VH3	+0.73	TEC	TEH			29	HOT	600UL
83	157	0.33	103	P 2	TWD	16	VH2	+0.85	TEC	TEH			13	HOT	600UL
85	157	0.27	34	P 3	TWD	17	DBH	+2.25	TEC	TEH			14	HOT	600UL
74	160	0.41	73	P 2	TWD	21	08C	-0.14	TEC	TEH			29	HOT	600UL
31	161	0.17	164	P 3	TWD	9	DBH	+1.44	TEC	TEH			29	HOT	600UL
77	161	0.22	35	P 2	TWD	13	07C	-0.96	TEC	TEH			30	HOT	600UL
		0.23	107	P 2	TWD	13	08C	-0.96	TEC	TEH			30	HOT	600UL
		0.15	143	P 3	TWD	11	DBH	+1.67	TEC	TEH			30	HOT	600UL
79	161	0.35	86	P 3	TWD	15	DBH	+1.74	TEC	TEH			29	HOT	600UL
		0.28	105	P 2	TWD	16	08H	+0.69	TEC	TEH			29	HOT	600UL
36	162	0.28	145	P 2	TWD	15	VSM	+0.86	TEC	TEH			30	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
70	162	0.30	154	P 2	TWD	17	08H	+0.81	TEC	TEH			29	HOT	600UL
65	163	0.31	129	P 2	TWD	17	VH3	-0.74	TEC	TEH			30	HOT	600UL
70	164	0.41	46	P 2	TWD	21	08H	+0.99	TEC	TEH			29	HOT	600UL
65	165	0.36	124	P 2	TWD	19	01C	-0.96	TEC	TEH			30	HOT	600UL
56	166	0.64	76	P 2	TWD	24	01C	-0.90	TEH	TEC			47	COLD	600UL
62	166	0.29	57	P 2	TWD	14	01H	+0.08	TEC	TEH			35	HOT	600UL
31	167	0.26	128	P 3	TWD	16	DBH	+0.66	TEC	TEH			40	HOT	600UL
57	167	0.33	128	P 2	TWD	15	01H	+0.10	TEC	TEH			35	HOT	600UL
32	168	0.11	112	P 3	TWD	8	DBH	+0.00	TEC	TEH			40	HOT	600UL
52	168	0.41	120	P 2	TWD	20	01C	-0.15	TEC	TEH			39	HOT	600UL
		0.34	101	P 2	TWD	18	01H	+0.06	TEC	TEH			39	HOT	600UL
49	169	0.39	84	P 2	TWD	19	01C	-0.94	TEC	TEH			39	HOT	600UL
38	170	0.20	68	P 2	TWD	11	01H	-0.10	TEC	TEH			39	HOT	600UL
28	172	0.49	61	P 2	TWD	23	01C	-0.06	TEC	TEH			40	HOT	600UL
30	172	0.32	38	P 2	TWD	17	06H	+0.88	TEC	TEH			39	HOT	600UL
34	172	0.51	77	P 2	TWD	23	VSM	+0.87	TEC	TEH			39	HOT	600UL
17	173	0.46	129	P 2	TWD	22	01C	-0.84	TEC	TEH			40	HOT	600UL
14	174	0.84	108	P 2	TWD	31	01C	-0.10	TEC	TEH			39	HOT	600UL
7	175	0.29	141	P 2	TWD	15	01C	-0.98	TEC	TEH			50	HOT	600UL

Total Tubes : 853
Total Records: 1161

Appendix 4

Inspection Summary

Steam Generator E-089

Query Name : rpc_icodes_and_0-100%twd.qry

Query Title: MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

Selected Outages/Scopes:	10/04 RFO13	Out of Scope
	10/04 RFO13	BOBBIN
	10/04 RFO13	RPC TSH
	10/04 RFO13	RPC TSC +1/-1
	10/04 RFO13	RPC TSC +3/-1
	10/04 RFO13	RPC UBENDS R1-3
	10/04 RFO13	RPC UBENDS R4-10
	10/04 RFO13	RPC 20% H/L SCALLOP BARS
	10/04 RFO13	H/L SPECIAL INTEREST
	10/04 RFO13	C/L SPECIAL INTEREST
	10/04 RFO13	UBEND SPECIAL INTEREST
	10/04 RFO13	Special Retest with RPC

Input Selected : All Tubes
Output File Selected :
Selected Indications : MAI,MCI,MMI,MVI,SAI,SCI,SVI,TWD,
Selected Probes : ALL
Selected Channels : ALL
Selected Cals : ALL
Selected Extent1 : ALL
Selected Extent2 : ALL
Selected Util 1 :
Selected Util 2 :
Selected Tube Heat :
TWD Range :
Volts Range :
Degrees Range :
Radius from Center Range :
Location Range :
Inspection Leg Queried : BOTH
Include In-Service or Out-Service Tubes : In-Service only
Advanced User Query :

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
27	3	0.37	115	2	SVI		TSH	+10.63	TSH	TSH			179	HOT	580PP
29	3	0.14	100	2	SVI		TSH	+10.20	TSH	01H			216	HOT	580PP
		0.08	105	2	SVI		TSH	+10.41	TSH	01H			216	HOT	580PP
		0.08	96	2	SVI		TSH	+10.61	TSH	01H			216	HOT	580PP
38	4	0.24	31	P 3	TWD	11	DBH	+1.32	TEC	TEH			15	HOT	600UL
44	6	0.38	142	P 2	TWD	16	VSM	+0.74	TEC	TEH			15	HOT	600UL
41	7	0.30	114	P 2	TWD	17	VSM	-0.77	TEC	TEH			16	HOT	600UL
		0.42	89	P 2	TWD	20	VSM	+0.83	TEC	TEH			16	HOT	600UL
18	8	0.27	110	P 2	TWD	12	02H	-0.92	TEC	TEH			15	HOT	600UL
54	8	0.45	103	P 2	TWD	18	02C	-0.95	TEC	TEH			15	HOT	600UL
55	9	0.29	114	P 2	TWD	13	02C	+0.12	TEC	TEH			15	HOT	600UL
68	12	0.54	123	P 2	TWD	23	02C	+0.00	TEC	TEH			20	HOT	600UL
72	14	0.39	149	P 2	TWD	16	VH3	-0.82	TEC	TEH			19	HOT	600UL
48	16	0.27	19	P 2	TWD	14	03H	-1.09	TEC	TEH			24	HOT	600UL
72	16	0.35	76	P 2	TWD	17	VH3	+0.71	TEC	TEH			24	HOT	600UL
		0.40	108	P 2	TWD	19	VH3	-1.24	TEC	TEH			24	HOT	600UL
76	16	0.36	50	P 2	TWD	18	08C	+0.00	TEC	TEH			24	HOT	600UL
78	16	0.41	73	P 2	TWD	16	05C	+0.80	TEC	TEH			23	HOT	600UL
83	17	0.46	103	P 2	TWD	24	08H	+0.73	TEC	TEH			16	HOT	600UL
		0.21	117	P 2	TWD	13	08H	+0.22	TEC	TEH			16	HOT	600UL
		0.39	62	P 2	TWD	21	02C	+0.86	TEC	TEH			16	HOT	600UL
50	18	0.20	140	P 2	TWD	10	VSM	+0.69	TEC	TEH			24	HOT	600UL
		0.49	61	P 2	TWD	22	VSM	-0.84	TEC	TEH			24	HOT	600UL
78	18	0.33	140	P 2	TWD	16	VH3	-0.88	TEC	TEH			24	HOT	600UL
82	18	0.47	115	P 2	TWD	19	08C	+0.97	TEC	TEH			15	HOT	600UL
75	19	0.70	133	P 2	TWD	28	VC3	+0.86	TEC	TEH			24	HOT	600UL
		0.27	57	P 2	TWD	14	VSM	-0.56	TEC	TEH			24	HOT	600UL
50	20	0.47	114	P 2	TWD	21	VSM	+0.60	TEC	TEH			24	HOT	600UL
		0.60	77	P 2	TWD	25	VSM	+0.19	TEC	TEH			24	HOT	600UL
24	22	0.26	134	P 2	TWD	14	VSM	-0.89	TEC	TEH			20	HOT	600UL
68	22	0.44	148	P 2	TWD	18	VH3	-0.95	TEC	TEH			19	HOT	600UL
72	22	0.34	117	P 2	TWD	15	VH3	-0.99	TEC	TEH			19	HOT	600UL
63	23	0.33	89	P 2	TWD	16	01H	+0.76	TEC	TEH			20	HOT	600UL
78	24	0.58	106	P 2	TWD	23	VC3	-0.91	TEC	TEH			61	HOT	600UL
84	24	0.27	17	P 3	TWD	12	DBC	+1.33	TEC	TEH			15	HOT	600UL
96	24	0.60	89	P 2	TWD	27	09C	+0.71	TEC	TEH			16	HOT	600UL
98	24	0.45	152	P 2	TWD	18	04H	-1.00	TEC	TEH			15	HOT	600UL
79	25	0.47	44	P 2	TWD	17	08C	-1.07	TEC	TEH			23	HOT	600UL
99	25	0.26	126	P 2	TWD	11	VH2	-0.97	TEC	TEH			15	HOT	600UL
101	25	0.29	123	P 2	TWD	13	VH2	-0.93	TEC	TEH			15	HOT	600UL
65	27	0.79	57	P 2	TWD	24	VC3	-0.99	TEC	TEH			29	HOT	600UL
		1.12	136	P 2	TWD	30	VSM	-0.87	TEC	TEH			29	HOT	600UL
		0.34	99	P 2	TWD	13	VH3	+0.62	TEC	TEH			29	HOT	600UL
81	27	0.22	63	P 3	TWD	13	DBH	-1.58	TEC	TEH			12	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
97	27	0.12	134	P 3	TWD	8	DBC	-1.81	TEC	TEH			12	HOT	600UL
38	28	0.39	62	P 2	TWD	18	VSM	+0.83	TEC	TEH			30	HOT	600UL
		0.30	80	P 2	TWD	15	VSM	-0.80	TEC	TEH			30	HOT	600UL
66	28	0.30	107	P 2	TWD	15	VH3	-0.81	TEC	TEH			30	HOT	600UL
106	28	0.36	142	P 3	TWD	15	DBH	+1.80	TEC	TEH			11	HOT	600UL
		0.36	137	P 2	TWD	15	VH2	-0.87	TEC	TEH			11	HOT	600UL
77	29	0.78	122	P 2	TWD	24	VC3	+0.80	TEC	TEH			29	HOT	600UL
79	29	0.50	65	P 2	TWD	18	VC3	+0.78	TEC	TEH			29	HOT	600UL
		0.31	117	P 2	TWD	12	VSM	-0.85	TEC	TEH			29	HOT	600UL
81	29	0.44	139	P 2	TWD	21	VH3	+0.77	TEC	TEH			12	HOT	600UL
36	30	0.50	100	P 2	TWD	18	VSM	+0.88	TEC	TEH			29	HOT	600UL
46	30	0.25	44	P 2	TWD	13	VSM	+0.14	TEC	TEH			30	HOT	600UL
106	30	0.32	126	P 2	TWD	17	09H	+0.72	TEC	TEH			12	HOT	600UL
85	31	0.21	32	P 3	TWD	13	DBH	-1.57	TEC	TEH			12	HOT	600UL
97	31	0.32	121	P 2	TWD	16	VH2	-0.89	TEC	TEH			12	HOT	600UL
105	31	0.29	156	P 2	TWD	15	VH2	-0.85	TEC	TEH			12	HOT	600UL
107	31	0.37	112	P 3	TWD	15	DBH	-1.58	TEC	TEH			11	HOT	600UL
84	32	0.16	18	P 3	TWD	10	DBH	-1.78	TEC	TEH			12	HOT	600UL
110	32	0.17	163	P 3	TWD	8	DBH	+1.39	TEC	TEH			11	HOT	600UL
59	33	0.32	162	P 2	TWD	12	VH3	-0.97	TEC	TEH			32	HOT	600UL
110	34	0.29	56	P 2	TWD	13	07H	+0.27	TEC	TEH			11	HOT	600UL
46	36	1.07	107	P 2	TWD	34	VSM	-0.84	TEC	TEH			33	HOT	600UL
		0.67	112	P 2	TWD	26	VSM	+0.92	TEC	TEH			33	HOT	600UL
		0.31	28	P 2	TWD	13	VSM	+0.27	TEC	TEH			33	HOT	600UL
102	36	0.36	76	P 2	TWD	18	VH2	-0.78	TEC	TEH			12	HOT	600UL
111	37	0.38	17	P 3	TWD	16	DBC	+2.17	TEC	TEH			11	HOT	600UL
26	38	0.30	117	P 2	TWD	15	03H	-0.21	TEC	TEH			39	HOT	600UL
38	38	0.48	104	P 2	TWD	20	VSM	+0.06	TEC	TEH			33	HOT	600UL
112	38	0.32	16	P 3	TWD	18	DBH	+1.05	TEC	TEH			12	HOT	600UL
41	39	0.17	47	P 3	TWD	8	DBC	+1.87	TEC	TEH			38	HOT	600UL
69	39	0.38	87	P 2	TWD	16	VH3	-0.89	TEC	TEH			38	HOT	600UL
77	39	0.38	135	P 2	TWD	16	VC3	+0.85	TEC	TEH			38	HOT	600UL
79	39	0.53	83	P 3	TWD	20	DBC	+1.77	TEC	TEH			38	HOT	600UL
109	39	0.17	63	P 3	TWD	10	DBC	-1.35	TEC	TEH			12	HOT	600UL
38	40	0.19	95	P 2	TWD	10	VSM	-0.11	TEC	TEH			39	HOT	600UL
		1.02	94	P 2	TWD	33	VSM	-0.73	TEC	TEH			39	HOT	600UL
78	40	0.18	152	P 3	TWD	11	DBC	-1.75	TEC	TEH			39	HOT	600UL
112	40	0.33	27	P 3	TWD	18	DBH	+1.47	TEC	TEH			12	HOT	600UL
39	41	0.31	93	P 3	TWD	13	DBH	-1.90	TEC	TEH			38	HOT	600UL
115	41	0.31	131	P 2	TWD	14	VH1	+0.84	TEC	TEH			7	HOT	600UL
74	42	0.41	75	P 2	TWD	19	VH3	+0.77	TEC	TEH			39	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
88	42	0.27	84	P 2	TWD	12	VC3	+0.86	TEC	TEH			7	HOT	600UL
100	42	0.33	48	P 2	TWD	15	VH2	-0.89	TEC	TEH			7	HOT	600UL
110	42	0.32	83	P 2	TWD	16	VH2	-0.98	TEC	TEH			8	HOT	600UL
23	43	0.37	119	P 2	TWD	18	01H	+0.86	TEC	TEH			39	HOT	600UL
39	43	0.50	107	P 2	TWD	22	VSM	+0.91	TEC	TEH			39	HOT	600UL
75	43	0.83	110	P 2	TWD	27	VC3	+0.74	TEC	TEH			38	HOT	600UL
92	44	0.31	118	P 2	TWD	16	VH2	-0.86	TEC	TEH			2	HOT	600UL
102	44	0.22	34	P 3	TWD	9	DBH	+1.88	TEC	TEH			61	HOT	600UL
110	44	0.28	98	P 2	TWD	13	VH2	-0.65	TEC	TEH			61	HOT	600UL
124	44	0.37	121	P 2	TWD	19	VH2	-0.82	TEC	TEH			2	HOT	600UL
		0.25	148	P 2	TWD	14	VH1	-0.90	TEC	TEH			2	HOT	600UL
43	45	0.46	37	P 3	TWD	16	DBH	+1.68	TEC	TEH			42	HOT	600UL
75	45	0.30	158	P 2	TWD	11	VH3	-0.89	TEC	TEH			42	HOT	600UL
107	45	0.66	95	P 2	TWD	25	VH2	-0.71	TEC	TEH			61	HOT	600UL
		0.82	39	P 2	TWD	28	VH2	+0.71	TEC	TEH			61	HOT	600UL
115	45	0.80	136	P 2	TWD	28	VH1	-1.06	TEC	TEH			61	HOT	600UL
88	46	0.36	123	P 3	TWD	14	DBC	-1.89	TEC	TEH			61	HOT	600UL
90	46	0.33	36	P 2	TWD	17	VH2	-1.18	TEC	TEH			2	HOT	600UL
106	46	0.24	86	P 2	TWD	14	VH3	-0.93	TEC	TEH			2	HOT	600UL
118	46	0.37	119	P 2	TWD	19	VH1	-0.99	TEC	TEH			2	HOT	600UL
		0.15	151	P 2	TWD	9	VH1	+0.86	TEC	TEH			2	HOT	600UL
122	46	0.21	62	P 2	TWD	12	VH2	-0.81	TEC	TEH			2	HOT	600UL
124	46	0.20	113	P 2	TWD	12	VH2	-0.91	TEC	TEH			2	HOT	600UL
27	47	0.24	25	P 1	SCI		TSH	-5.70	TSH	TSH	0.19		139	HOT	580PP
		0.26	28	P 1	SCI		TSH	-0.10	TSH	TSH	0.15		139	HOT	580PP
		0.79	31	P 1	MCI		TSH	-12.57	TSH	TSH	0.66	19.10	139	HOT	580PP
41	47	0.32	63	P 2	TWD	18	VSM	-0.08	TEH	TEC			6	COLD	600UL
		0.29	107	P 2	TWD	16	VSM	+0.80	TEH	TEC			6	COLD	600UL
49	47	0.17	20	P 3	TWD	11	DBH	+1.00	TEH	TEC			6	COLD	600UL
53	47	0.22	155	P 2	TWD	13	03C	+0.86	TEH	TEC			6	COLD	600UL
57	47	0.37	118	P 2	TWD	20	08H	+0.52	TEH	TEC			6	COLD	600UL
103	47	0.36	127	P 2	TWD	17	VH2	-0.90	TEH	TEC			12	COLD	600UL
111	47	0.27	128	P 2	TWD	14	08C	+0.88	TEH	TEC			12	COLD	600UL
26	48	0.49	26	P 2	TWD	21	VSM	-1.23	TEH	TEC			5	COLD	600UL
60	48	0.58	115	P 2	TWD	27	08H	-0.88	TEH	TEC			6	COLD	600UL
88	48	0.38	120	P 2	TWD	18	VH2	-0.83	TEH	TEC			11	COLD	600UL
49	49	0.55	130	P 2	TWD	26	08H	+1.61	TEH	TEC		LOCOK	6	COLD	600UL
65	49	0.49	153	P 2	TWD	24	VH3	-0.74	TEH	TEC			6	COLD	600UL
		0.19	164	P 2	TWD	12	VH3	+0.78	TEH	TEC			6	COLD	600UL
131	49	0.22	19	P 3	TWD	10	DBH	+1.60	TEC	TEH			57	HOT	600UL
36	50	0.20	159	P 3	TWD	12	DBH	+2.23	TEH	TEC			6	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
60	50	0.38	133	P 2	TWD	20	08H	-0.41	TEH	TEC			6	COLD	600UL
62	50	0.60	99	P 2	TWD	24	08H	-0.15	TEH	TEC			5	COLD	600UL
102	50	0.39	96	P 2	TWD	19	VH2	-0.81	TEH	TEC			11	COLD	600UL
108	50	0.48	138	P 2	TWD	22	VH2	+0.99	TEH	TEC			12	COLD	600UL
122	50	0.22	98	P 2	TWD	12	08C	+0.87	TEH	TEC			11	COLD	600UL
31	51	0.29	103	P 2	TWD	14	06H	+0.81	TEH	TEC			5	COLD	600UL
43	51	0.28	99	P 2	TWD	13	02H	+0.77	TEH	TEC			5	COLD	600UL
57	51	0.19	99	P 2	TWD	12	08H	+0.36	TEH	TEC			6	COLD	600UL
		0.30	84	P 2	TWD	17	08H	+0.93	TEH	TEC			6	COLD	600UL
81	51	0.19	155	P 3	TWD	10	DBH	+1.52	TEH	TEC			11	COLD	600UL
127	51	0.34	34	P 3	TWD	16	DBH	-1.52	TEH	TEC			11	COLD	600UL
82	52	0.12	10	P 3	TWD	6	DBC	+1.68	TEH	TEC			11	COLD	600UL
102	52	0.14	62	P 3	TWD	8	DBC	+1.04	TEH	TEC			11	COLD	600UL
37	53	0.45	144	P 2	TWD	23	VSM	+0.00	TEH	TEC			6	COLD	600UL
63	53	0.46	106	P 2	TWD	20	08H	+0.38	TEH	TEC			5	COLD	600UL
65	53	0.31	101	P 2	TWD	18	08H	-0.64	TEH	TEC			6	COLD	600UL
		0.31	67	P 2	TWD	18	08H	-0.20	TEH	TEC			6	COLD	600UL
71	53	0.30	19	P 2	TWD	14	08H	+0.52	TEH	TEC			5	COLD	600UL
133	53	0.61	123	P 3	TWD	22	DBH	+1.91	TEC	TEH			57	HOT	600UL
		0.41	78	P 2	TWD	17	07H	+0.02	TEC	07H			57	HOT	600UL
46	54	0.22	83	P 3	TWD	11	DBH	+1.84	TEH	TEC			5	COLD	600UL
68	54	0.37	146	P 2	TWD	20	08H	+0.32	TEH	TEC			6	COLD	600UL
76	54	0.18	154	P 3	TWD	11	DBH	+0.98	TEH	TEC			6	COLD	600UL
130	54	0.21	28	P 3	TWD	11	DBH	+1.58	TEH	TEC			11	COLD	600UL
132	54	0.25	40	P 3	TWD	11	DBH	+1.45	TEC	TEH			57	HOT	600UL
33	55	0.33	42	P 2	TWD	18	VSM	-0.85	TEH	TEC			6	COLD	600UL
		0.95	95	P 2	TWD	34	VSM	+0.85	TEH	TEC			6	COLD	600UL
41	55	0.30	123	P 2	TWD	17	VSM	-0.85	TEH	TEC			6	COLD	600UL
67	55	0.29	127	P 2	TWD	14	08H	+0.63	TEH	TEC			5	COLD	600UL
69	55	0.38	151	P 2	TWD	20	08H	+0.74	TEH	TEC			6	COLD	600UL
107	55	0.42	37	P 2	TWD	19	08C	+0.94	TEH	TEC			11	COLD	600UL
38	56	0.20	47	P 2	TWD	10	06H	+0.50	TEH	TEC			5	COLD	600UL
70	56	0.26	125	P 2	TWD	13	08H	+0.65	TEH	TEC			5	COLD	600UL
112	56	0.33	111	P 2	TWD	17	VH2	-0.86	TEH	TEC			12	COLD	600UL
		0.27	143	P 2	TWD	13	VH2	+0.86	TEH	TEC			12	COLD	600UL
126	56	0.28	136	P 2	TWD	14	VH1	+0.90	TEH	TEC			11	COLD	600UL
125	57	0.69	121	P 2	TWD	28	VH1	-0.86	TEH	TEC			12	COLD	600UL
		0.48	118	P 2	TWD	22	VH1	+0.80	TEH	TEC			12	COLD	600UL
135	57	0.41	128	P 2	TWD	17	10H	+1.21	TEC	TEH			57	HOT	600UL
22	58	0.36	106	P 2	TWD	17	03H	+0.84	TEH	TEC			5	COLD	600UL
108	58	0.42	103	P 2	TWD	20	VC3	+0.87	TEH	TEC			12	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
124	58	0.20	34	P 3	TWD	11	DBH	-1.59	TEH	TEC			12	COLD	600UL
		0.42	120	P 2	TWD	20	VH1	-0.85	TEH	TEC			12	COLD	600UL
		0.37	64	P 2	TWD	18	VH1	+0.79	TEH	TEC			12	COLD	600UL
		0.37	97	P 2	TWD	18	VH2	-0.81	TEH	TEC			12	COLD	600UL
134	58	0.48	91	P 2	TWD	19	VC3	+0.61	TEC	TEH			57	HOT	600UL
136	58	0.26	23	P 3	TWD	11	DBH	-1.38	TEC	TEH			57	HOT	600UL
41	59	0.53	100	P 2	TWD	25	VSM	-0.81	TEH	TEC			6	COLD	600UL
		0.58	101	P 2	TWD	27	VSM	+0.00	TEH	TEC			6	COLD	600UL
65	59	0.69	125	P 2	TWD	29	VSM	-0.85	TEH	TEC			6	COLD	600UL
		0.27	159	P 2	TWD	16	VSM	+0.72	TEH	TEC			6	COLD	600UL
83	59	0.42	32	P 3	TWD	20	DBH	+1.47	TEH	TEC			12	COLD	600UL
137	59	0.14	19	P 3	TWD	6	DBC	+1.76	TEC	TEH			57	HOT	600UL
66	60	0.50	55	P 2	TWD	21	01H	+1.02	TEH	TEC			5	COLD	600UL
		0.45	134	P 2	TWD	20	VSM	-0.82	TEH	TEC			5	COLD	600UL
		1.05	117	P 2	TWD	34	VSM	+0.75	TEH	TEC			5	COLD	600UL
78	60	0.51	116	P 1	SVI		DBH	+2.76	DBH	DBH			175	HOT	560P2
84	60	0.21	53	P 3	TWD	11	DBH	+1.24	TEH	TEC			10	COLD	600UL
132	60	0.71	36	P 2	TWD	25	VH2	-0.84	TEC	TEH			57	HOT	600UL
		0.59	42	P 2	TWD	22	VH1	-0.88	TEC	TEH			57	HOT	600UL
27	61	0.35	22	P 1	SCI		TSH	-10.06	TSH	TSH	0.18	18.44	147	HOT	580PP
		0.35	14	2	SAI		TSH	-1.78	TSH	TSH	0.14	18.44	147	HOT	580PP
		0.36	15	2	SAI		TSH	-1.27	TSH	TSH	0.17	18.44	147	HOT	580PP
33	61	0.37	139	P 2	TWD	17	VSM	+0.76	TEH	TEC			4	COLD	600UL
49	61	0.22	107	P 2	TWD	12	08C	+1.61	TEH	TEC		LOCOK	4	COLD	600UL
77	61	0.59	114	P 2	TWD	24	VH3	-0.83	TEH	TEC			4	COLD	600UL
		0.63	148	P 2	TWD	25	VSM	+0.73	TEH	TEC			4	COLD	600UL
79	61	0.34	0	P 2	TWD	16	VH3	-0.78	TEH	TEC			3	COLD	600UL
81	61	0.23	118	P 2	TWD	12	VH3	-0.76	TEH	TEC			38	COLD	600UL
89	61	0.42	48	P 2	TWD	19	VH2	-0.68	TEH	TEC			10	COLD	600UL
127	61	0.46	107	P 2	TWD	21	10H	+0.41	TEH	TEC			38	COLD	600UL
129	61	0.24	87	P 2	TWD	12	VH1	-0.66	TEH	TEC			10	COLD	600UL
42	62	0.34	71	P 2	TWD	16	VSM	+0.21	TEH	TEC			3	COLD	600UL
50	62	0.43	0	P 2	TWD	19	08H	-1.24	TEH	TEC			3	COLD	600UL
78	62	0.47	105	P 2	TWD	20	VC3	-0.71	TEH	TEC			3	COLD	600UL
88	62	0.52	113	P 2	TWD	22	VH2	-0.74	TEH	TEC			10	COLD	600UL
126	62	0.36	58	P 2	TWD	18	VH1	-0.92	TEH	TEC			38	COLD	600UL
130	62	0.65	109	P 2	TWD	26	VH1	+0.90	TEH	TEC			38	COLD	600UL
31	63	0.39	26	P 1	SCI		TSH	-9.85	TSH	TSH	0.21	18.43	147	HOT	580PP
41	63	0.52	67	P 2	TWD	22	VSM	-0.83	TEH	TEC			4	COLD	600UL
		0.62	66	P 2	TWD	25	VSM	+0.04	TEH	TEC			4	COLD	600UL
127	63	0.33	108	P 2	TWD	16	VH1	+1.05	TEH	TEC			39	COLD	600UL
		0.22	114	P 2	TWD	12	VH1	-0.72	TEH	TEC			39	COLD	600UL
129	63	0.37	121	P 2	TWD	18	10H	+0.42	TEH	TEC			10	COLD	600UL
		0.50	74	P 2	TWD	22	VH1	+0.91	TEH	TEC			10	COLD	600UL
80	64	0.22	0	P 3	TWD	10	DBH	+1.02	TEH	TEC			3	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
82	64	0.49	87	P 2	TWD	22	VH3	+0.82	TEH	TEC			38	COLD	600UL
88	64	0.41	63	P 2	TWD	19	VH2	-0.70	TEH	TEC			10	COLD	600UL
96	64	0.52	35	P 2	TWD	22	VH2	-0.62	TEH	TEC			10	COLD	600UL
140	64	0.68	71	P 3	TWD	24	DBH	-1.91	TEC	TEH			57	HOT	600UL
25	65	0.32	131	P 2	TWD	15	VSM	+0.96	TEH	TEC			3	COLD	600UL
31	65	0.18	17	2	SAI		TSH	-4.15	TSH	TSH	0.14	18.40	146	HOT	580PP
		0.38	20	2	SAI		TSH	-3.81	TSH	TSH	0.14	18.40	146	HOT	580PP
		0.41	19	2	SAI		TSH	-3.71	TSH	TSH	0.14	18.40	146	HOT	580PP
43	65	0.25	48	P 2	TWD	12	VSM	+0.19	TEH	TEC			3	COLD	600UL
69	65	0.55	111	P 2	TWD	23	VC3	-0.72	TEH	TEC			4	COLD	600UL
		0.38	72	P 2	TWD	18	VC3	+0.10	TEH	TEC			4	COLD	600UL
71	65	0.28	150	P 2	TWD	14	VH3	+0.78	TEH	TEC			3	COLD	600UL
125	65	0.29	147	P 2	TWD	15	VH1	+0.58	TEH	TEC			10	COLD	600UL
127	65	0.29	144	P 2	TWD	15	VH1	+0.64	TEH	TEC			39	COLD	600UL
133	65	0.19	53	P 3	TWD	9	DBH	+1.89	TEC	TEH			59	HOT	600UL
40	66	0.19	0	P 3	TWD	9	DBC	+1.24	TEH	TEC			3	COLD	600UL
44	66	0.12	0	P 3	TWD	6	DBC	+1.15	TEH	TEC			3	COLD	600UL
50	66	0.51	47	P 2	TWD	22	08H	+1.25	TEH	TEC			4	COLD	600UL
86	66	0.43	121	P 2	TWD	20	09H	+0.21	TEH	TEC			38	COLD	600UL
88	66	0.28	76	P 2	TWD	14	09H	+0.89	TEH	TEC			10	COLD	600UL
124	66	0.41	149	P 2	TWD	19	VH1	-0.66	TEH	TEC			10	COLD	600UL
130	66	0.36	133	P 2	TWD	17	VH1	+0.86	TEH	TEC			39	COLD	600UL
		0.23	70	P 2	TWD	12	08C	+0.87	TEH	TEC			39	COLD	600UL
21	67	0.50	77	P 2	TWD	21	VSM	-1.03	TEH	TEC			3	COLD	600UL
25	67	0.29	98	P 2	TWD	14	VSM	-0.94	TEH	TEC			3	COLD	600UL
31	67	0.54	15	2	SAI		TSH	-4.53	TSH	TSH	0.28	18.52	146	HOT	580PP
91	67	0.33	143	P 2	TWD	16	VH3	-0.86	TEH	TEC			38	COLD	600UL
99	67	0.19	154	P 3	TWD	9	DBH	+1.92	TEH	TEC			38	COLD	600UL
111	67	0.70	26	P 1	SCI		TSH	-22.67	TSH	TSH	.23	22.75	117	HOT	580PP
127	67	0.33	124	P 2	TWD	16	VH1	+0.04	TEH	TEC			39	COLD	600UL
141	67	0.35	154	P 2	TWD	16	VH1	-0.77	TEC	TEH			59	HOT	600UL
		0.23	71	P 3	TWD	11	DBC	-1.77	TEC	TEH			59	HOT	600UL
24	68	0.34	120	P 3	TWD	14	DBH	+1.70	TEH	TEC			41	COLD	600UL
40	68	0.44	25	P 2	TWD	18	VSM	-0.86	TEH	TEC			3	COLD	600UL
130	68	0.53	138	P 2	TWD	23	VH1	+1.03	TEH	TEC			39	COLD	600UL
		0.18	132	P 3	TWD	9	DBH	+0.00	TEH	TEC			39	COLD	600UL
134	68	0.55	144	P 2	TWD	22	10H	-0.79	TEC	TEH			59	HOT	600UL
		0.26	100	P 2	TWD	13	10H	+0.79	TEC	TEH			59	HOT	600UL
39	69	0.47	145	P 2	TWD	21	VSM	+0.79	TEH	TEC			4	COLD	600UL
41	69	0.46	99	P 2	TWD	20	VSM	+0.84	TEH	TEC			3	COLD	600UL
144	70	0.65	94	P 2	TWD	25	VC1	+0.34	TEC	TEH			59	HOT	600UL
33	71	0.77	118	P 3	TWD	28	DBC	+1.55	TEH	TEC			4	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
35	71	0.92	108	P 2	TWD	31	VSM	-0.85	TEH	TEC			3	COLD	600UL
		0.19	125	P 2	TWD	7	VSM	-0.08	TEH	TEC			3	COLD	600UL
		0.26	0	P 3	TWD	12	DBC	+1.51	TEH	TEC			3	COLD	600UL
89	71	0.27	136	P 2	TWD	14	09H	+0.41	TEH	TEC			38	COLD	600UL
97	71	0.15	111	P 3	TWD	7	DBH	+1.86	TEH	TEC			38	COLD	600UL
36	72	0.36	64	P 3	TWD	16	DBH	-1.10	TEH	TEC			3	COLD	600UL
44	72	0.60	145	P 3	TWD	24	DBC	+1.49	TEH	TEC			4	COLD	600UL
46	72	0.36	86	P 2	TWD	17	VSM	+0.82	TEH	TEC			3	COLD	600UL
130	72	0.54	138	P 2	TWD	23	VH1	+0.76	TEH	TEC			39	COLD	600UL
132	72	0.49	142	P 2	TWD	20	VH1	+0.92	TEC	TEH			59	HOT	600UL
		0.54	42	P 2	TWD	22	10H	+0.88	TEC	TEH			59	HOT	600UL
39	73	0.69	52	P 3	TWD	27	DBH	+1.62	TEH	TEC			4	COLD	600UL
47	73	0.73	67	P 3	TWD	27	DBH	+2.12	TEH	TEC			3	COLD	600UL
83	73	0.23	174	P 3	TWD	16	DBH	+1.74	TEH	TEC			8	COLD	600UL
89	73	0.09	134	P 3	TWD	4	DBH	-0.71	TEH	TEC			7	COLD	600UL
145	73	0.37	102	P 3	TWD	15	DBH	+1.17	TEC	TEH			59	HOT	600UL
44	74	0.31	77	P 3	TWD	15	DBH	-1.36	TEH	TEC			4	COLD	600UL
50	74	0.15	0	P 3	TWD	7	DBH	-1.05	TEH	TEC			3	COLD	600UL
80	74	0.11	0	P 3	TWD	5	DBH	+0.58	TEH	TEC			3	COLD	600UL
122	74	0.33	98	P 2	TWD	18	VH2	-0.92	TEH	TEC			8	COLD	600UL
132	74	0.31	146	P 2	TWD	14	VH2	-0.82	TEC	TEH			59	HOT	600UL
134	74	0.63	150	P 2	TWD	24	VH2	-0.84	TEC	TEH			59	HOT	600UL
136	74	0.45	123	P 2	TWD	19	VH1	+0.88	TEC	TEH			59	HOT	600UL
71	75	0.26	62	P 2	TWD	13	VH3	+0.87	TEH	TEC			3	COLD	600UL
77	75	0.42	47	P 2	TWD	19	VH3	-0.99	TEH	TEC			4	COLD	600UL
		0.25	129	P 3	TWD	13	DBC	+1.90	TEH	TEC			4	COLD	600UL
52	76	0.36	156	P 3	TWD	17	DBC	-1.84	TEC	TEH			25	HOT	600UL
56	76	0.45	105	P 2	TWD	21	VSM	+0.64	TEC	TEH			26	HOT	600UL
86	76	0.24	99	P 2	TWD	14	07H	+0.20	TEH	TEC			26	COLD	600UL
128	76	0.41	143	P 2	TWD	18	VH1	+0.72	TEH	TEC			27	COLD	600UL
138	76	0.50	146	P 2	TWD	20	10H	+0.67	TEC	TEH			59	HOT	600UL
144	76	0.24	110	P 3	TWD	11	DBH	-1.95	TEC	TEH			59	HOT	600UL
49	77	1.22	140	P 3	TWD	34	DBH	-1.88	TEC	TEH			25	HOT	600UL
		0.52	112	P 3	TWD	22	DBH	+1.76	TEC	TEH			25	HOT	600UL
135	77	0.47	90	P 2	TWD	20	VH1	+0.94	TEC	TEH			59	HOT	600UL
50	78	0.40	104	P 3	TWD	19	DBH	-1.72	TEC	TEH			25	HOT	600UL
52	78	0.40	84	P 3	TWD	24	DBH	+1.38	TEC	TEH			26	HOT	600UL
54	78	0.41	66	P 3	TWD	19	DBH	-1.82	TEC	TEH			25	HOT	600UL
62	78	0.44	97	P 3	TWD	20	DBH	+1.84	TEC	TEH			25	HOT	600UL
122	78	0.39	129	P 2	TWD	18	VH1	-0.82	TEH	TEC			27	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
124	78	0.41	149	P 2	TWD	21	VH1	-0.97	TEH	TEC			26	COLD	600UL
130	78	0.56	123	P 2	TWD	24	VH1	+0.83	TEH	TEC			27	COLD	600UL
144	78	0.48	104	P 3	TWD	19	DBH	-2.12	TEC	TEH			59	HOT	600UL
57	79	0.38	59	P 3	TWD	24	DBH	+1.24	TEC	TEH			26	HOT	600UL
61	79	0.32	79	P 3	TWD	21	DBH	+1.99	TEC	TEH			26	HOT	600UL
75	79	0.87	141	P 2	TWD	26	VSM	+0.81	TEC	TEH			25	HOT	600UL
		0.30	148	P 2	TWD	12	VSM	-0.97	TEC	TEH			25	HOT	600UL
127	79	0.66	111	P 2	TWD	26	VH1	+0.71	TEH	TEC			27	COLD	600UL
129	79	0.34	127	P 2	TWD	17	VH1	+0.77	TEH	TEC			26	COLD	600UL
131	79	0.32	106	P 2	TWD	14	VH1	+0.71	TEC	TEH			59	HOT	600UL
137	79	0.40	81	P 2	TWD	18	09H	-0.82	TEC	TEH			59	HOT	600UL
145	79	0.25	106	P 3	TWD	11	DBH	-1.77	TEC	TEH			59	HOT	600UL
52	80	0.53	111	P 3	TWD	23	DBH	-2.19	TEC	TEH			25	HOT	600UL
		0.30	137	P 3	TWD	15	DBC	-1.60	TEC	TEH			25	HOT	600UL
56	80	0.59	140	P 3	TWD	31	DBH	-1.85	TEC	TEH			26	HOT	600UL
70	80	0.32	55	P 2	TWD	12	VH3	-0.89	TEC	TEH			25	HOT	600UL
86	80	0.32	44	P 2	TWD	16	09H	+0.33	TEH	TEC			25	COLD	600UL
120	80	0.20	41	P 3	TWD	10	DBH	+1.89	TEH	TEC			27	COLD	600UL
128	80	0.90	108	P 2	TWD	31	VH1	-0.76	TEH	TEC			27	COLD	600UL
		0.51	81	P 2	TWD	22	VH1	+0.82	TEH	TEC			27	COLD	600UL
134	80	0.30	139	P 2	TWD	14	VH1	+0.67	TEC	TEH			59	HOT	600UL
		0.53	145	P 2	TWD	22	VH1	-0.88	TEC	TEH			59	HOT	600UL
144	80	0.24	173	P 3	TWD	11	DBH	+1.79	TEC	TEH			59	HOT	600UL
53	81	0.71	73	P 3	TWD	27	DBC	-1.44	TEC	TEH			25	HOT	600UL
59	81	0.70	62	P 3	TWD	34	DBH	+1.58	TEC	TEH			26	HOT	600UL
63	81	0.49	131	P 3	TWD	28	DBH	+1.42	TEC	TEH			26	HOT	600UL
137	81	0.38	33	P 2	TWD	16	08H	+0.84	TEC	TEH			59	HOT	600UL
56	82	0.94	113	P 3	TWD	31	DBH	-1.85	TEC	TEH			25	HOT	600UL
64	82	0.42	135	P 3	TWD	25	DBH	-1.50	TEC	TEH			26	HOT	600UL
66	82	0.33	114	P 2	TWD	13	VH3	+0.91	TEC	TEH			25	HOT	600UL
		0.39	123	P 3	TWD	18	DBH	-1.50	TEC	TEH			25	HOT	600UL
108	82	0.22	142	P 2	TWD	9	03C	-1.09	TEH	TEC			24	COLD	600UL
132	82	0.61	103	P 2	TWD	24	VH1	+0.00	TEC	TEH			59	HOT	600UL
142	82	0.61	20	P 3	TWD	23	DBC	+1.90	TEC	TEH			59	HOT	600UL
57	83	0.48	36	P 3	TWD	21	DBH	-1.95	TEC	TEH			25	HOT	600UL
		0.32	166	P 3	TWD	16	DBH	+1.62	TEC	TEH			25	HOT	600UL
63	83	0.94	94	P 3	TWD	38	DBC	+1.52	TEC	TEH			26	HOT	600UL
101	83	0.41	19	P 1	SCI		TSH	-0.09	TSH	TSH	.20	20.73	77	HOT	580PP
137	83	0.57	32	P 2	TWD	24	09H	+0.93	TEC	TEH			31	HOT	600UL
72	84	0.29	154	P 2	TWD	16	VC3	-0.04	TEC	TEH			26	HOT	600UL
		0.42	134	P 2	TWD	21	VSM	-0.66	TEC	TEH			26	HOT	600UL
		0.44	122	P 2	TWD	22	VC3	+0.64	TEC	TEH			26	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
126	84	0.29	150	P 2	TWD	14	VH1	+0.92	TEH	TEC			23	COLD	600UL
134	84	0.36	138	P 2	TWD	17	VH1	-0.95	TEC	TEH			31	HOT	600UL
144	84	0.61	55	P 2	TWD	24	VH3	+0.75	TEC	TEH			61	HOT	600UL
55	85	0.68	158	P 3	TWD	26	DBH	+1.68	TEC	TEH			25	HOT	600UL
61	85	1.16	93	P 3	TWD	34	DBC	-1.93	TEC	TEH			25	HOT	600UL
63	85	0.33	160	P 3	TWD	21	DBH	+1.31	TEC	TEH			26	HOT	600UL
127	85	0.71	98	P 2	TWD	27	VH1	-0.85	TEH	TEC			23	COLD	600UL
139	85	0.27	70	P 2	TWD	14	VH3	+0.94	TEC	TEH			31	HOT	600UL
58	86	0.87	126	P 3	TWD	30	DBH	-2.03	TEC	TEH			25	HOT	600UL
70	86	0.29	128	P 3	TWD	15	DBC	+1.56	TEC	TEH			25	HOT	600UL
122	86	0.15	148	P 3	TWD	7	DBH	+0.48	TEH	TEC			23	COLD	600UL
126	86	0.34	102	P 2	TWD	16	VH1	-1.00	TEH	TEC			23	COLD	600UL
		0.32	66	P 2	TWD	15	VH1	+0.97	TEH	TEC			23	COLD	600UL
132	86	0.75	40	P 2	TWD	29	VH2	-0.82	TEC	TEH			35	HOT	600UL
		0.34	77	P 2	TWD	17	VH1	-0.83	TEC	TEH			35	HOT	600UL
134	86	0.25	63	P 2	TWD	13	10H	+0.24	TEC	TEH			31	HOT	600UL
55	87	0.38	14	P 3	TWD	23	DBH	+1.65	TEC	TEH			22	HOT	600UL
57	87	0.43	63	P 3	TWD	13	DBC	-1.75	TEC	TEH			21	HOT	600UL
65	87	0.59	155	P 3	TWD	17	DBH	+1.71	TEC	TEH			21	HOT	600UL
67	87	0.19	69	P 3	TWD	14	DBC	-1.91	TEC	TEH			22	HOT	600UL
		0.24	169	P 3	TWD	17	DBH	+1.60	TEC	TEH			22	HOT	600UL
93	87	0.31	28	P 2	TWD	15	07H	+0.88	TEH	TEC			23	COLD	600UL
		0.40	145	P 2	TWD	18	08H	+0.77	TEH	TEC			23	COLD	600UL
143	87	0.28	96	P 2	TWD	14	VH2	-0.79	TEC	TEH			35	HOT	600UL
60	88	0.82	73	P 3	TWD	21	DBH	-1.28	TEC	TEH			21	HOT	600UL
62	88	0.74	121	P 3	TWD	34	DBH	-1.97	TEC	TEH			22	HOT	600UL
68	88	0.39	112	P 3	TWD	11	DBH	-1.51	TEC	TEH			21	HOT	600UL
132	88	0.42	126	P 2	TWD	20	VH2	-0.85	TEC	TEH			35	HOT	600UL
		0.47	57	P 2	TWD	22	VH1	+0.86	TEC	TEH			35	HOT	600UL
		0.44	63	P 2	TWD	21	VH1	-0.81	TEC	TEH			35	HOT	600UL
146	88	0.27	89	P 2	TWD	18	VH2	-1.10	TEC	TEH			34	HOT	600UL
55	89	0.57	125	P 3	TWD	30	DBH	-1.99	TEC	TEH			22	HOT	600UL
57	89	0.20	149	P 3	TWD	6	DBH	-2.24	TEC	TEH			21	HOT	600UL
97	89	0.27	154	P 3	TWD	12	DBH	+0.00	TEH	TEC			22	COLD	600UL
135	89	0.39	68	P 2	TWD	18	VH3	-0.93	TEC	TEH			31	HOT	600UL
139	89	0.27	104	P 2	TWD	13	09H	+0.89	TEC	TEH			31	HOT	600UL
		0.11	130	P 2	TWD	6	09H	-0.89	TEC	TEH			31	HOT	600UL
58	90	0.42	88	P 3	TWD	25	DBC	+1.56	TEC	TEH			22	HOT	600UL
		0.16	146	P 3	TWD	11	DBH	-1.61	TEC	TEH			22	HOT	600UL
100	90	0.24	55	P 3	TWD	11	DBH	-1.75	TEH	TEC			21	COLD	600UL
114	90	0.34	79	P 3	TWD	14	DBH	+1.75	TEH	TEC			22	COLD	600UL
136	90	0.25	58	P 2	TWD	20	VH1	+0.70	TEC	TEH			28	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
146	90	0.30	110	P 2	TWD	15	VH3	-0.85	TEC	TEH			31	HOT	600UL
		0.33	66	P 3	TWD	13	DBC	+2.01	TEC	TEH			31	HOT	600UL
53	91	0.44	152	P 3	TWD	13	DBH	-2.02	TEC	TEH			21	HOT	600UL
		0.49	165	P 3	TWD	14	DBH	+1.94	TEC	TEH			21	HOT	600UL
61	91	0.23	91	P 2	TWD	19	03H	+0.06	TEC	TEH	LAR		22	HOT	600UL
65	91	0.57	21	P 3	TWD	30	DBH	+1.99	TEC	TEH			22	HOT	600UL
137	91	0.31	134	P 2	TWD	24	VH1	+0.80	TEC	TEH			28	HOT	600UL
		0.39	96	P 2	TWD	28	09H	+0.80	TEC	TEH			28	HOT	600UL
145	91	0.50	144	P 3	TWD	26	DBH	-1.36	TEC	TEH			28	HOT	600UL
60	92	0.69	139	P 3	TWD	19	DBH	-1.57	TEC	TEH			21	HOT	600UL
68	92	0.34	138	P 3	TWD	10	DBH	-1.80	TEC	TEH			21	HOT	600UL
70	92	0.15	40	P 3	TWD	11	DBH	-1.75	TEC	TEH			22	HOT	600UL
100	92	0.45	52	P 2	TWD	18	02H	-1.24	TEH	TEC			22	COLD	600UL
118	92	0.23	73	P 2	TWD	12	VH1	+0.85	TEH	TEC			21	COLD	600UL
120	92	0.42	56	P 2	TWD	18	VH1	+0.81	TEH	TEC			22	COLD	600UL
130	92	0.73	89	P 2	TWD	27	VH1	-0.81	TEH	TEC			21	COLD	600UL
146	92	0.52	55	P 3	TWD	19	DBH	+1.82	TEC	TEH			31	HOT	600UL
51	93	0.60	19	P 3	TWD	31	DBH	+1.75	TEC	TEH			22	HOT	600UL
53	93	0.48	138	P 3	TWD	14	DBH	-1.70	TEC	TEH			21	HOT	600UL
55	93	0.19	103	P 3	TWD	13	DBH	+1.72	TEC	TEH			22	HOT	600UL
63	93	0.21	103	P 2	TWD	18	08H	-1.09	TEC	TEH			22	HOT	600UL
133	93	0.13	127	P 2	TWD	11	VH1	-0.94	TEC	TEH			28	HOT	600UL
52	94	0.30	64	P 3	TWD	9	DBC	-1.16	TEC	TEH			21	HOT	600UL
		0.42	25	P 3	TWD	13	DBH	+1.80	TEC	TEH			21	HOT	600UL
60	94	0.16	76	P 3	TWD	4	DBH	-2.02	TEC	TEH			21	HOT	600UL
		0.22	7	P 3	TWD	6	DBH	+1.47	TEC	TEH			21	HOT	600UL
78	94	0.35	75	P 3	TWD	22	DBH	+1.81	TEC	TEH			22	HOT	600UL
82	94	0.35	142	P 2	TWD	17	VH3	-0.04	TEH	TEC			21	COLD	600UL
130	94	0.47	126	P 2	TWD	21	VH2	-0.95	TEH	TEC			21	COLD	600UL
		0.65	115	P 2	TWD	23	VH1	+0.70	TEH	TEC			21	COLD	600UL
136	94	0.40	106	P 2	TWD	18	VH1	-0.95	TEC	TEH			31	HOT	600UL
144	94	0.24	71	P 3	TWD	10	DBH	+1.77	TEC	TEH			31	HOT	600UL
146	94	0.46	26	P 3	TWD	29	DBC	+1.48	TEC	TEH			28	HOT	600UL
53	95	0.37	115	P 3	TWD	23	DBC	-1.70	TEC	TEH			22	HOT	600UL
		0.25	49	P 3	TWD	17	DBH	+2.00	TEC	TEH			22	HOT	600UL
55	95	0.32	99	P 3	TWD	12	DBH	-1.86	TEC	TEH			21	HOT	600UL
61	95	0.68	22	P 3	TWD	33	DBC	+2.06	TEC	TEH			22	HOT	600UL
75	95	0.71	66	P 2	TWD	23	VC3	-0.90	TEC	TEH			21	HOT	600UL
133	95	0.31	118	P 2	TWD	15	VH1	+0.91	TEC	TEH			31	HOT	600UL
135	95	0.16	62	P 2	TWD	15	VH1	-1.02	TEC	TEH			28	HOT	600UL
139	95	0.16	56	P 2	TWD	14	VH1	-1.03	TEC	TEH			28	HOT	600UL
143	95	0.19	25	P 3	TWD	13	DBH	-1.60	TEC	TEH			28	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
56	96	0.91	141	P 3	TWD 23	DBC		+1.87	TEC	TEH			21	HOT	600UL
		0.22	72	P 3	TWD 7	DBH		-1.85	TEC	TEH			21	HOT	600UL
64	96	0.39	72	P 3	TWD 12	DBC		+1.83	TEC	TEH			21	HOT	600UL
49	97	0.23	62	P 3	TWD 16	DBH		+1.75	TEC	TEH			22	HOT	600UL
53	97	0.30	42	P 3	TWD 19	DBH		-1.76	TEC	TEH			22	HOT	600UL
59	97	0.16	145	P 3	TWD 5	DBC		-1.46	TEC	TEH			21	HOT	600UL
65	97	0.24	96	P 3	TWD 7	DBC		-1.85	TEC	TEH			21	HOT	600UL
105	97	0.18	89	P 3	TWD 8	DBH		-1.80	TEH	TEC			22	COLD	600UL
141	97	0.14	64	P 3	TWD 10	DBC		-1.75	TEC	TEH			28	HOT	600UL
145	97	0.16	119	P 3	TWD 13	DBC		-1.42	TEC	TEH			28	HOT	600UL
50	98	0.23	57	P 3	TWD 16	DBC		-1.74	TEC	TEH			22	HOT	600UL
		0.38	76	P 3	TWD 23	DBH		-1.95	TEC	TEH			22	HOT	600UL
124	98	0.26	102	P 2	TWD 13	VH1		+0.95	TEH	TEC			21	COLD	600UL
51	99	0.40	158	P 3	TWD 24	DBH		-1.97	TEC	TEH			22	HOT	600UL
55	99	0.26	42	P 3	TWD 18	DBH		-1.79	TEC	TEH			22	HOT	600UL
61	99	0.34	140	P 2	TWD 14	VSM		+0.79	TEC	TEH			21	HOT	600UL
97	99	0.16	144	P 3	TWD 8	DBH		+0.00	TEH	TEC			22	COLD	600UL
139	99	0.27	131	P 2	TWD 13	VH2		-0.98	TEC	TEH			61	HOT	600UL
141	99	0.23	106	P 2	TWD 18	VH1		+0.90	TEC	TEH			28	HOT	600UL
		0.10	13	P 3	TWD 7	DBH		+1.85	TEC	TEH			28	HOT	600UL
44	100	0.47	101	P 3	TWD 14	DBH		-1.75	TEC	TEH			21	HOT	600UL
52	100	0.47	174	P 3	TWD 14	DBC		-1.85	TEC	TEH			21	HOT	600UL
100	100	0.16	33	P 3	TWD 8	DBH		+1.44	TEH	TEC			38	COLD	600UL
102	100	0.21	59	P 3	TWD 10	DBH		-1.80	TEH	TEC			38	COLD	600UL
132	100	0.74	65	P 2	TWD 27	VH1		-1.19	TEC	TEH			61	HOT	600UL
39	101	0.35	57	P 3	TWD 13	DBH		-1.75	TEC	TEH			21	HOT	600UL
47	101	0.36	20	P 3	TWD 22	DBC		+1.89	TEC	TEH			22	HOT	600UL
49	101	0.37	61	P 3	TWD 14	DBH		-1.70	TEC	TEH			21	HOT	600UL
51	101	0.46	159	P 3	TWD 26	DBH		-2.20	TEC	TEH			22	HOT	600UL
53	101	0.38	114	P 3	TWD 14	DBH		-1.65	TEC	TEH			21	HOT	600UL
83	101	0.29	98	P 2	TWD 13	VSM		+1.36	TEH	TEC		LOCOK	22	COLD	600UL
127	101	0.48	137	P 2	TWD 19	VH1		-0.75	TEH	TEC			22	COLD	600UL
131	101	0.32	94	P 2	TWD 15	VH1		-0.96	TEC	TEH			61	HOT	600UL
133	101	0.15	151	P 2	TWD 15	VH1		+0.66	TEC	TEH			28	HOT	600UL
145	101	0.36	36	P 3	TWD 25	DBC		+1.53	TEC	TEH			28	HOT	600UL
54	102	0.36	138	P 3	TWD 18	DBC		+1.82	TEH	TEC			31	COLD	600UL
		0.34	148	P 3	TWD 17	DBC		-1.90	TEH	TEC			31	COLD	600UL
144	102	0.49	130	P 2	TWD 22	VH2		-0.91	TEC	TEH			26	HOT	600UL
		0.30	92	P 2	TWD 15	09H		-1.13	TEC	TEH			26	HOT	600UL
41	103	0.48	75	P 3	TWD 21	DBC		+1.82	TEH	TEC			30	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
47	103	0.09	19	P 3	TWD	5	DBH	+1.96	TEH	TEC			30	COLD	600UL
		0.30	32	P 3	TWD	15	DBH	-1.56	TEH	TEC			30	COLD	600UL
		0.47	31	P 3	TWD	21	DBC	+1.69	TEH	TEC			30	COLD	600UL
55	103	0.50	81	P 2	TWD	21	VC3	+1.20	TEH	TEC			31	COLD	600UL
83	103	0.59	102	P 2	TWD	24	09H	+1.81	TEH	TEC		LOCOK	19	COLD	600UL
87	103	0.37	76	P 2	TWD	18	08H	+0.73	TEH	TEC			19	COLD	600UL
		0.44	134	P 2	TWD	20	09H	+0.73	TEH	TEC			19	COLD	600UL
133	103	0.20	103	P 2	TWD	10	VH1	-0.94	TEC	TEH			26	HOT	600UL
		0.28	112	P 2	TWD	14	08H	+0.88	TEC	TEH			26	HOT	600UL
36	104	0.12	37	P 3	TWD	7	DBH	+1.51	TEH	TEC			30	COLD	600UL
		0.20	57	P 3	TWD	11	DBC	+1.22	TEH	TEC			30	COLD	600UL
46	104	0.67	88	P 2	TWD	25	VSM	-0.90	TEH	TEC			31	COLD	600UL
74	104	0.14	13	P 3	TWD	8	DBC	+0.58	TEH	TEC			31	COLD	600UL
88	104	0.27	75	P 2	TWD	13	08H	-0.24	TEH	TEC			20	COLD	600UL
		0.12	151	P 2	TWD	7	08H	-0.83	TEH	TEC			20	COLD	600UL
110	104	0.45	101	P 2	TWD	19	VH2	-0.85	TEH	TEC			19	COLD	600UL
114	104	0.56	82	P 2	TWD	24	VH2	-0.85	TEH	TEC			19	COLD	600UL
138	104	0.43	138	P 2	TWD	20	VH1	-0.88	TEC	TEH			26	HOT	600UL
		0.13	72	P 2	TWD	8	VH1	-0.19	TEC	TEH			26	HOT	600UL
129	105	0.55	96	P 2	TWD	23	VH1	+0.80	TEH	TEC			20	COLD	600UL
114	106	0.31	29	P 3	TWD	15	DBH	+2.00	TEH	TEC			19	COLD	600UL
144	106	0.56	135	P 3	TWD	30	DBH	-1.98	TEC	TEH			26	HOT	600UL
		0.23	31	P 3	TWD	16	DBC	-1.60	TEC	TEH			26	HOT	600UL
29	107	0.29	114	P 3	TWD	15	DBC	-1.81	TEH	TEC			31	COLD	600UL
31	107	0.48	49	P 3	TWD	21	DBH	-1.78	TEH	TEC			30	COLD	600UL
		0.42	23	2	SAI		TSH	-6.37	TSH	TSH	0.10	18.21	92	HOT	580PP
37	107	0.86	105	P 2	TWD	29	VSM	-0.80	TEH	TEC			31	COLD	600UL
		1.22	119	P 2	TWD	35	VSM	+0.72	TEH	TEC			31	COLD	600UL
		0.44	83	P 2	TWD	19	VSM	-0.16	TEH	TEC			31	COLD	600UL
41	107	0.34	26	P 2	TWD	15	VSM	-0.84	TEH	TEC			31	COLD	600UL
		0.30	114	P 2	TWD	14	VSM	+0.94	TEH	TEC			31	COLD	600UL
43	107	0.21	67	P 2	TWD	12	VSM	+0.25	TEH	TEC			30	COLD	600UL
		0.31	138	P 2	TWD	16	VSM	+0.81	TEH	TEC			30	COLD	600UL
		0.26	130	P 3	TWD	13	DBC	+1.59	TEH	TEC			30	COLD	600UL
83	107	0.24	123	P 2	TWD	13	09H	-1.15	TEH	TEC		LOCOK	19	COLD	600UL
121	107	0.34	142	P 3	TWD	17	DBH	+2.24	TEH	TEC			20	COLD	600UL
133	107	0.13	132	P 2	TWD	8	09H	-0.82	TEC	TEH			26	HOT	600UL
		0.24	159	P 2	TWD	12	09H	+0.78	TEC	TEH			26	HOT	600UL
126	108	0.51	74	P 2	TWD	22	10H	+0.18	TEH	TEC			20	COLD	600UL
134	108	0.20	98	P 2	TWD	11	10H	+0.88	TEC	TEH			26	HOT	600UL
138	108	0.29	143	P 2	TWD	14	VH2	-1.01	TEC	TEH			26	HOT	600UL
14	110	0.15	37	P 3	TWD	8	DBH	-1.27	TEH	TEC			31	COLD	600UL
40	110	0.82	126	P 2	TWD	30	VSM	-0.76	TEH	TEC			30	COLD	600UL
		0.39	53	P 2	TWD	18	VSM	-0.21	TEH	TEC			30	COLD	600UL
		0.26	17	P 3	TWD	13	DBC	+1.44	TEH	TEC			30	COLD	600UL
74	110	0.45	47	P 2	TWD	19	03H	-0.16	TEH	TEC			31	COLD	600UL
128	110	0.25	103	P 2	TWD	12	10H	-0.94	TEH	TEC			20	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.36	130	P 2	TWD	17	10H	+0.96	TEH	TEC			20	COLD	600UL
		0.24	155	P 2	TWD	12	08H	-0.81	TEH	TEC			20	COLD	600UL
132	110	0.31	55	P 2	TWD	12	08H	+0.93	TEC	TEH			25	HOT	600UL
		0.36	112	P 2	TWD	14	07H	+0.49	TEC	TEH			25	HOT	600UL
134	110	0.37	129	P 2	TWD	18	VH2	-0.86	TEC	TEH			26	HOT	600UL
47	111	0.37	59	P 2	TWD	18	VSM	+0.33	TEH	TEC			30	COLD	600UL
		0.97	103	P 2	TWD	33	VSM	+0.91	TEH	TEC			30	COLD	600UL
127	111	0.43	60	P 2	TWD	19	09H	-0.25	TEH	TEC			19	COLD	600UL
		0.40	72	P 2	TWD	19	10H	+0.35	TEH	TEC			19	COLD	600UL
129	111	0.44	126	P 2	TWD	20	09H	-0.86	TEH	TEC			20	COLD	600UL
		0.32	118	P 2	TWD	15	09H	+0.46	TEH	TEC			20	COLD	600UL
44	112	0.29	110	P 2	TWD	15	VSM	-0.82	TEH	TEC			30	COLD	600UL
		0.16	101	P 2	TWD	9	VSM	+0.19	TEH	TEC			30	COLD	600UL
80	112	0.24	18	P 3	TWD	13	DBH	+1.75	TEH	TEC			30	COLD	600UL
106	112	0.19	146	P 2	TWD	11	VH2	-0.98	TEH	TEC			19	COLD	600UL
		0.28	126	P 2	TWD	14	VH2	+0.90	TEH	TEC			19	COLD	600UL
120	112	0.45	122	P 2	TWD	20	10H	+1.30	TEH	TEC		LOCOK	20	COLD	600UL
		0.30	115	P 3	TWD	16	DBH	+0.14	TEH	TEC			20	COLD	600UL
122	112	0.43	62	P 2	TWD	19	10H	+0.77	TEH	TEC			19	COLD	600UL
140	112	0.39	114	P 2	TWD	19	VH1	-0.91	TEC	TEH			26	HOT	600UL
		0.42	24	P 2	TWD	20	04H	+0.93	TEC	TEH			26	HOT	600UL
		0.36	65	P 3	TWD	23	DBC	-1.75	TEC	TEH			26	HOT	600UL
		0.34	29	P 3	TWD	22	DBC	+1.61	TEC	TEH			26	HOT	600UL
35	113	0.21	22	P 2	TWD	11	VSM	-0.21	TEH	TEC			32	COLD	600UL
		0.46	86	P 2	TWD	22	VSM	-0.89	TEH	TEC			32	COLD	600UL
41	113	0.55	114	P 2	TWD	20	VSM	-0.86	TEH	TEC			33	COLD	600UL
		0.19	130	P 2	TWD	7	VSM	-0.12	TEH	TEC			33	COLD	600UL
111	113	0.36	132	P 2	TWD	17	VH2	-0.88	TEH	TEC			19	COLD	600UL
		0.38	120	P 2	TWD	18	VH2	+0.79	TEH	TEC			19	COLD	600UL
121	113	0.36	102	P 2	TWD	17	VH1	-0.78	TEH	TEC			20	COLD	600UL
127	113	0.30	79	P 2	TWD	15	08H	+0.87	TEH	TEC			19	COLD	600UL
		0.29	65	P 2	TWD	15	09H	-0.81	TEH	TEC			19	COLD	600UL
44	114	0.40	98	P 2	TWD	20	VSM	-0.88	TEH	TEC			32	COLD	600UL
		0.48	92	P 2	TWD	23	VSM	+0.87	TEH	TEC			32	COLD	600UL
50	114	1.08	93	P 2	TWD	31	VSM	-0.76	TEH	TEC			33	COLD	600UL
		0.88	100	P 2	TWD	27	VSM	+0.92	TEH	TEC			33	COLD	600UL
114	114	0.55	53	P 2	TWD	23	VH2	-0.88	TEH	TEC			19	COLD	600UL
		0.27	113	P 2	TWD	14	VH2	+0.94	TEH	TEC			19	COLD	600UL
124	114	0.19	117	P 2	TWD	10	05H	+0.82	TEH	TEC			20	COLD	600UL
126	114	0.35	112	P 2	TWD	17	08H	+0.92	TEH	TEC			19	COLD	600UL
136	114	0.28	26	P 3	TWD	19	DBC	+1.16	TEC	TEH			26	HOT	600UL
25	115	0.59	112	P 2	TWD	26	VSM	+0.92	TEH	TEC			32	COLD	600UL
27	115	0.51	24	2	SAI		TSH	-1.70	TSH	TSH	0.18	17.83	92	HOT	580PP
83	115	0.48	120	P 2	TWD	24	VSM	+1.25	TEH	TEC			17	COLD	600UL
		0.65	116	P 2	TWD	29	09H	+2.15	TEH	TEC		LOCOK	17	COLD	600UL
123	115	0.29	67	P 2	TWD	16	09H	+0.42	TEH	TEC			17	COLD	600UL
127	115	0.27	43	P 2	TWD	15	08H	-0.48	TEH	TEC			17	COLD	600UL
		0.29	119	P 2	TWD	17	08H	+0.77	TEH	TEC			17	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
137	115	0.26	65	P 2	TWD	14	VH2	-0.99	TEC	TEH			26	HOT	600UL
78	116	0.14	174	P 3	TWD	8	DBH	+1.70	TEH	TEC			33	COLD	600UL
84	116	0.25	68	P 2	TWD	15	09H	+1.04	TEH	TEC			17	COLD	600UL
88	116	0.45	124	P 2	TWD	23	VH2	-0.67	TEH	TEC			17	COLD	600UL
124	116	0.47	101	P 2	TWD	19	08H	+0.85	TEH	TEC			18	COLD	600UL
		0.32	80	P 2	TWD	15	09H	+0.11	TEH	TEC			18	COLD	600UL
		0.18	42	P 2	TWD	9	10H	-1.23	TEH	TEC			18	COLD	600UL
128	116	0.34	101	P 2	TWD	15	VH1	+0.74	TEH	TEC			18	COLD	600UL
		0.28	55	P 2	TWD	13	09C	+0.95	TEH	TEC			18	COLD	600UL
39	117	0.42	135	P 2	TWD	18	VSM	-0.76	TEH	TEC			31	COLD	600UL
105	117	0.25	73	P 3	TWD	12	DBH	+1.42	TEH	TEC			18	COLD	600UL
123	117	0.52	139	P 2	TWD	25	09H	-0.62	TEH	TEC			17	COLD	600UL
125	117	0.46	133	P 2	TWD	19	08H	+0.76	TEH	TEC			18	COLD	600UL
135	117	0.46	160	P 3	TWD	21	DBC	+0.46	TEC	TEH			25	HOT	600UL
32	118	0.36	101	P 2	TWD	17	VSM	-0.86	TEH	TEC			30	COLD	600UL
46	118	0.20	155	P 2	TWD	10	VSM	-0.86	TEH	TEC			31	COLD	600UL
74	118	0.34	97	P 2	TWD	15	VSM	-0.77	TEH	TEC			31	COLD	600UL
102	118	0.51	20	2	SAI		TSH	-16.92	TSH	TSH	0.17	18.08	144	HOT	580PP
43	119	0.25	111	P 2	TWD	13	VSM	-0.84	TEH	TEC			30	COLD	600UL
45	119	0.42	89	P 2	TWD	18	VSM	-0.86	TEH	TEC			31	COLD	600UL
		0.31	64	P 2	TWD	15	VSM	+0.72	TEH	TEC			31	COLD	600UL
47	119	0.32	32	P 2	TWD	16	VSM	-0.76	TEH	TEC			30	COLD	600UL
123	119	0.24	126	P 2	TWD	14	09H	-0.13	TEH	TEC			17	COLD	600UL
		0.46	114	P 2	TWD	23	09H	+0.49	TEH	TEC			17	COLD	600UL
48	120	0.25	54	P 2	TWD	12	VSM	-0.84	TEH	TEC			28	COLD	600UL
		0.34	69	P 2	TWD	16	VSM	+0.77	TEH	TEC			28	COLD	600UL
122	120	0.24	103	P 2	TWD	14	08H	+0.45	TEH	TEC			17	COLD	600UL
		0.31	134	P 2	TWD	17	08H	-0.84	TEH	TEC			17	COLD	600UL
47	121	0.44	54	P 2	TWD	20	02H	+0.81	TEH	TEC			28	COLD	600UL
99	121	0.36	108	P 2	TWD	20	VH2	-0.98	TEH	TEC			17	COLD	600UL
107	121	0.43	20	P 2	TWD	22	VH2	-1.04	TEH	TEC			17	COLD	600UL
		0.67	154	P 2	TWD	29	VH2	+0.92	TEH	TEC			17	COLD	600UL
121	121	0.46	116	P 2	TWD	19	09H	+0.43	TEH	TEC			18	COLD	600UL
		0.47	106	P 2	TWD	20	10H	-0.19	TEH	TEC			18	COLD	600UL
30	122	0.29	96	P 2	TWD	17	05H	+0.49	TEH	TEC			29	COLD	600UL
60	122	0.21	120	P 1	SCI		TSH	-0.03	TSH	TSH	0.39	18.32	87	HOT	580PP
122	122	0.47	119	P 2	TWD	24	10C	+0.85	TEH	TEC			17	COLD	600UL
126	122	0.34	98	P 2	TWD	19	VH2	-1.02	TEH	TEC			17	COLD	600UL
132	122	0.58	33	P 2	TWD	20	VH2	-0.83	TEC	TEH			25	HOT	600UL
41	123	0.54	96	P 2	TWD	26	VSM	+0.90	TEH	TEC			29	COLD	600UL
49	123	0.48	151	P 2	TWD	24	08H	+1.56	TEH	TEC		LOCOK	29	COLD	600UL
57	123	0.74	77	P 2	TWD	31	VH3	-0.86	TEH	TEC			29	COLD	600UL
107	123	0.12	95	P 3	TWD	7	DBH	-0.42	TEH	TEC			17	COLD	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
117	123	0.68	137	P 2	TWD 25	08H	+0.90	TEH	TEC			18	COLD	600UL
		0.51	101	P 2	TWD 21	06H	+0.87	TEH	TEC			18	COLD	600UL
119	123	0.48	66	P 2	TWD 24	09H	+0.76	TEH	TEC			17	COLD	600UL
125	123	0.36	65	P 2	TWD 16	05C	+0.75	TEH	TEC			18	COLD	600UL
102	124	0.42	114	P 2	TWD 22	VH2	-0.73	TEH	TEC			17	COLD	600UL
110	124	0.69	91	P 2	TWD 30	VC2	-0.95	TEH	TEC			17	COLD	600UL
		0.51	118	P 2	TWD 25	VC2	+0.93	TEH	TEC			17	COLD	600UL
112	124	0.74	110	P 2	TWD 26	VH2	-0.98	TEH	TEC			18	COLD	600UL
116	124	0.32	80	P 2	TWD 15	09H	+0.76	TEH	TEC			18	COLD	600UL
		0.27	128	P 2	TWD 13	08H	+0.38	TEH	TEC			18	COLD	600UL
		0.42	116	P 2	TWD 18	08H	+0.83	TEH	TEC			18	COLD	600UL
79	125	0.30	137	P 2	TWD 15	VH3	+0.89	TEH	TEC			28	COLD	600UL
		0.94	123	P 2	TWD 33	VSM	+0.89	TEH	TEC			28	COLD	600UL
107	125	0.34	70	P 2	TWD 19	VH2	+0.84	TEH	TEC			17	COLD	600UL
117	125	0.36	78	P 2	TWD 16	09H	+0.56	TEH	TEC			18	COLD	600UL
		0.21	39	P 2	TWD 10	09H	-0.92	TEH	TEC			18	COLD	600UL
119	125	0.34	126	P 2	TWD 19	09H	-0.98	TEH	TEC			17	COLD	600UL
		0.23	51	P 2	TWD 14	09H	+0.17	TEH	TEC			17	COLD	600UL
133	125	0.33	134	P 3	TWD 22	DBH	+0.65	TEC	TEH			26	HOT	600UL
116	126	0.28	74	P 2	TWD 13	08H	+0.93	TEH	TEC			18	COLD	600UL
124	126	0.49	92	P 2	TWD 24	VH2	-0.98	TEH	TEC			17	COLD	600UL
69	127	0.26	111	P 2	TWD 15	VSM	+0.81	TEH	TEC			29	COLD	600UL
		0.43	142	P 2	TWD 22	VC3	-0.76	TEH	TEC			29	COLD	600UL
109	127	0.13	130	P 3	TWD 7	DBC	-1.62	TEH	TEC			18	COLD	600UL
115	127	0.28	125	P 2	TWD 16	09H	+0.64	TEH	TEC			17	COLD	600UL
16	128	0.15	28	P 3	TWD 6	DBH	-0.47	TEH	TEC			28	COLD	600UL
38	128	0.22	148	P 2	TWD 13	VSM	+0.70	TEH	TEC			29	COLD	600UL
44	128	0.39	153	P 2	TWD 18	VSM	-0.78	TEH	TEC			28	COLD	600UL
		0.52	117	P 2	TWD 23	VSM	+0.81	TEH	TEC			28	COLD	600UL
116	128	0.29	103	P 2	TWD 14	09H	-0.80	TEH	TEC			18	COLD	600UL
		0.55	108	P 2	TWD 22	09H	+0.60	TEH	TEC			18	COLD	600UL
		0.45	148	P 2	TWD 19	08H	+0.92	TEH	TEC			18	COLD	600UL
49	129	0.34	86	P 2	TWD 19	08H	-1.55	TEH	TEC		LOCOK	29	COLD	600UL
51	129	0.36	65	P 2	TWD 18	08H	+0.73	TEH	TEC			28	COLD	600UL
		0.14	128	P 1	SCI	TSC	+0.06	TSC	TSC	.24		61	COLD	580PP
57	129	0.27	150	P 3	TWD 15	DBH	+0.00	TEH	TEC			29	COLD	600UL
79	129	0.52	146	P 2	TWD 23	VSM	+0.83	TEH	TEC			28	COLD	600UL
		0.83	116	P 2	TWD 30	VH3	+0.85	TEH	TEC			28	COLD	600UL
		0.43	147	P 2	TWD 20	VSM	-0.93	TEH	TEC			28	COLD	600UL
85	129	0.38	34	P 2	TWD 20	VH2	+0.85	TEH	TEC			17	COLD	600UL
113	129	0.40	44	P 2	TWD 21	09H	+0.86	TEH	TEC			17	COLD	600UL
		0.38	122	P 2	TWD 20	VH2	+0.88	TEH	TEC			17	COLD	600UL
		0.31	76	P 3	TWD 17	DBH	+1.96	TEH	TEC			17	COLD	600UL
115	129	0.38	80	P 2	TWD 17	09H	-0.89	TEH	TEC			18	COLD	600UL
117	129	0.21	96	P 2	TWD 12	08H	+0.97	TEH	TEC			17	COLD	600UL
52	130	0.42	47	P 2	TWD 19	01H	+0.87	TEC	TEH			17	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
100	130	0.40	124	P 2	TWD	19	VH2	-0.84	TEC	TEH			3	HOT	600UL
114	130	0.23	95	P 2	TWD	16	09H	-0.89	TEC	TEH			4	HOT	600UL
41	131	0.39	131	P 2	TWD	26	VSM	-0.76	TEC	TEH			18	HOT	600UL
		0.42	123	P 2	TWD	27	VSM	+0.70	TEC	TEH			18	HOT	600UL
43	131	0.44	81	P 2	TWD	20	VSM	+0.85	TEC	TEH			17	HOT	600UL
45	131	0.49	129	P 2	TWD	30	VSM	+0.70	TEC	TEH			18	HOT	600UL
		0.26	150	P 2	TWD	20	VSM	-0.89	TEC	TEH			18	HOT	600UL
65	131	0.36	32	P 2	TWD	25	02H	-1.25	TEC	TEH			18	HOT	600UL
111	131	0.14	89	P 2	TWD	10	08H	-0.82	TEC	TEH			46	HOT	600UL
		0.17	89	P 2	TWD	12	08H	+0.78	TEC	TEH			46	HOT	600UL
		0.20	130	P 2	TWD	14	VH2	-0.82	TEC	TEH			46	HOT	600UL
127	131	0.13	35	P 3	TWD	11	DBH	+1.76	TEC	TEH			4	HOT	600UL
68	132	0.56	82	P 2	TWD	24	VC3	+0.77	TEC	TEH			17	HOT	600UL
76	132	0.28	113	P 2	TWD	15	VH3	-0.75	TEC	TEH			17	HOT	600UL
112	132	0.34	137	P 2	TWD	21	08H	+0.80	TEC	TEH			4	HOT	600UL
		0.43	88	P 2	TWD	25	07H	+0.89	TEC	TEH			4	HOT	600UL
114	132	0.81	123	P 2	TWD	29	07H	+0.75	TEC	TEH			3	HOT	600UL
45	133	0.16	92	P 3	TWD	7	DBC	-1.09	TEC	TEH			17	HOT	600UL
47	133	0.55	104	P 2	TWD	31	VSM	-0.78	TEC	TEH			18	HOT	600UL
		0.56	129	P 2	TWD	32	VSM	+0.00	TEC	TEH			18	HOT	600UL
		0.48	117	P 2	TWD	29	VSM	+0.73	TEC	TEH			18	HOT	600UL
71	133	0.35	145	P 2	TWD	24	VH3	+0.70	TEC	TEH			18	HOT	600UL
		0.40	100	P 2	TWD	26	VH3	-0.88	TEC	TEH			18	HOT	600UL
		0.32	151	P 2	TWD	23	VC3	-0.64	TEC	TEH			18	HOT	600UL
		0.18	12	P 2	TWD	16	VC3	-0.16	TEC	TEH			18	HOT	600UL
111	133	0.31	121	P 2	TWD	15	08H	+0.81	TEC	TEH			3	HOT	600UL
44	134	0.23	52	P 2	TWD	13	VSM	-0.71	TEC	TEH			17	HOT	600UL
76	134	0.20	160	P 3	TWD	9	DBC	-2.09	TEC	TEH			17	HOT	600UL
108	134	0.23	102	P 2	TWD	18	VH2	-0.86	TEC	TEH			4	HOT	600UL
65	135	0.43	10	P 3	TWD	16	DBC	+1.96	TEC	TEH			17	HOT	600UL
111	135	0.26	63	P 2	TWD	14	VH2	+0.24	TEC	TEH			3	HOT	600UL
56	136	0.33	114	P 2	TWD	16	VSM	+0.79	TEC	TEH			17	HOT	600UL
		0.42	82	P 2	TWD	20	VSM	-0.79	TEC	TEH			17	HOT	600UL
110	136	0.33	142	P 2	TWD	16	08H	+0.94	TEC	TEH			3	HOT	600UL
		0.32	42	P 2	TWD	16	08H	-0.84	TEC	TEH			3	HOT	600UL
89	137	0.43	113	P 3	TWD	17	DBH	+1.43	TEC	TEH			3	HOT	600UL
		0.36	124	P 2	TWD	17	VH2	+0.91	TEC	TEH			3	HOT	600UL
		0.39	84	P 2	TWD	18	VH2	-0.96	TEC	TEH			3	HOT	600UL
91	137	0.18	60	P 3	TWD	14	DBH	+1.75	TEC	TEH			4	HOT	600UL
109	137	0.23	123	P 2	TWD	12	08H	+0.88	TEC	TEH			3	HOT	600UL
		0.57	84	P 2	TWD	24	08H	-0.83	TEC	TEH			3	HOT	600UL
111	137	0.38	128	P 2	TWD	23	VH2	+1.05	TEC	TEH			4	HOT	600UL
46	138	0.28	105	P 2	TWD	21	04C	-0.14	TEC	TEH			18	HOT	600UL
108	138	0.22	122	P 2	TWD	12	08H	-0.98	TEC	TEH			3	HOT	600UL
110	138	0.20	75	P 2	TWD	14	08H	+0.00	TEC	TEH			4	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
107	139	0.32	104	P 2	TWD	20	09H	+0.52	TEC	TEH			4	HOT	600UL
109	139	0.14	170	P 3	TWD	6	DBH	+1.61	TEC	TEH			3	HOT	600UL
119	139	0.40	120	P 2	TWD	24	10C	-1.31	TEC	TEH		LOCOK	4	HOT	600UL
74	140	0.17	146	P 2	TWD	12	VC3	+0.77	TEC	TEH			14	HOT	600UL
111	141	0.29	80	P 3	TWD	12	DBH	-1.57	TEC	TEH			3	HOT	600UL
106	142	0.89	110	P 2	TWD	31	VH2	-0.88	TEC	TEH			3	HOT	600UL
112	142	0.31	0	P 3	TWD	21	DBC	+1.88	TEC	TEH			4	HOT	600UL
		0.27	161	P 2	TWD	18	VC2	-0.94	TEC	TEH			4	HOT	600UL
57	143	0.52	83	P 2	TWD	22	VH3	+0.73	TEC	TEH			13	HOT	600UL
111	143	0.19	130	P 2	TWD	14	VC3	+0.76	TEC	TEH			4	HOT	600UL
36	144	0.25	119	P 2	TWD	17	VSM	-1.00	TEC	TEH			14	HOT	600UL
42	144	0.44	85	P 2	TWD	19	VSM	+0.89	TEC	TEH			13	HOT	600UL
86	144	0.42	38	P 2	TWD	19	VH2	+0.83	TEC	TEH			3	HOT	600UL
98	144	0.25	79	P 2	TWD	12	09H	-0.84	TEC	TEH			3	HOT	600UL
37	145	0.37	97	P 2	TWD	17	VSM	+0.98	TEC	TEH			13	HOT	600UL
43	145	0.63	106	P 2	TWD	31	VSM	+0.65	TEC	TEH			14	HOT	600UL
		0.25	140	P 2	TWD	17	VSM	-0.93	TEC	TEH			14	HOT	600UL
49	145	0.21	15	P 3	TWD	14	DBC	+1.82	TEC	TEH			14	HOT	600UL
67	145	0.44	133	P 2	TWD	20	VC3	+1.16	TEC	TEH			13	HOT	600UL
107	145	0.19	96	P 2	TWD	14	08H	-0.02	TEC	TEH			4	HOT	600UL
30	146	0.54	31	P 1	SCI		TSH	-0.14	TSH	TSH	0.28	17.89	110	HOT	580PP
36	146	0.23	73	P 2	TWD	12	VSM	+0.82	TEC	TEH			13	HOT	600UL
40	146	0.32	43	P 2	TWD	15	VSM	+0.86	TEC	TEH			13	HOT	600UL
46	146	0.41	117	P 2	TWD	24	VSM	+0.99	TEC	TEH			14	HOT	600UL
		0.47	126	P 2	TWD	26	VSM	-0.80	TEC	TEH			14	HOT	600UL
76	146	0.40	39	P 2	TWD	18	VH3	+0.73	TEC	TEH			13	HOT	600UL
		0.45	112	P 2	TWD	20	VH3	-0.75	TEC	TEH			13	HOT	600UL
102	146	0.26	134	P 2	TWD	11	VH2	-0.83	TEC	TEH			5	HOT	600UL
106	146	0.34	105	P 2	TWD	14	VH2	-0.84	TEC	TEH			5	HOT	600UL
39	147	0.33	127	P 2	TWD	16	VSM	+0.90	TEC	TEH			13	HOT	600UL
75	147	0.54	75	P 2	TWD	23	VC3	+0.69	TEC	TEH			13	HOT	600UL
105	147	0.56	118	P 2	TWD	21	VH2	-0.83	TEC	TEH			5	HOT	600UL
34	148	0.28	158	P 2	TWD	18	VSM	-0.84	TEC	TEH			14	HOT	600UL
42	148	0.19	111	P 2	TWD	13	VSM	+0.82	TEC	TEH			14	HOT	600UL
		0.34	148	P 2	TWD	21	VSM	+0.14	TEC	TEH			14	HOT	600UL
58	148	0.35	135	P 2	TWD	21	VSM	+0.65	TEC	TEH			14	HOT	600UL
		0.27	97	P 2	TWD	18	VC3	-1.02	TEC	TEH			14	HOT	600UL
90	148	0.49	96	P 2	TWD	19	VH2	-0.72	TEC	TEH			5	HOT	600UL
102	148	0.45	43	P 2	TWD	18	VH2	+0.69	TEC	TEH			5	HOT	600UL
103	149	0.36	125	P 2	TWD	23	08H	-0.13	TEC	TEH			6	HOT	600UL
102	150	0.15	18	P 3	TWD	13	DBC	+1.97	TEC	TEH			6	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
65	151	0.28	23	P 2	TWD	14	VSM	-0.95	TEC	TEH			13	HOT	600UL
		0.38	120	P 2	TWD	17	VSM	+0.99	TEC	TEH			13	HOT	600UL
		0.17	163	P 2	TWD	8	VSM	+0.14	TEC	TEH			13	HOT	600UL
99	151	0.24	145	P 2	TWD	17	08H	-0.91	TEC	TEH			6	HOT	600UL
66	152	0.31	138	P 2	TWD	20	VH3	-0.65	TEC	TEH			14	HOT	600UL
76	152	0.24	71	P 2	TWD	12	VC3	-0.59	TEC	TEH			13	HOT	600UL
80	152	0.21	52	P 3	TWD	9	DBC	+1.75	TEC	TEH			13	HOT	600UL
81	153	0.43	103	P 2	TWD	17	VH3	+0.91	TEC	TEH			5	HOT	600UL
		0.25	101	P 2	TWD	11	VH3	-0.87	TEC	TEH			5	HOT	600UL
		0.15	39	P 3	TWD	6	DBC	+1.78	TEC	TEH			5	HOT	600UL
67	155	0.20	135	P 2	TWD	15	VSM	+0.67	TEC	TEH			10	HOT	600UL
77	155	0.69	115	P 2	TWD	26	VH3	+0.76	TEC	TEH			9	HOT	600UL
		0.44	124	P 2	TWD	19	VH3	-0.99	TEC	TEH			9	HOT	600UL
86	156	0.36	37	P 2	TWD	16	VH2	-0.71	TEC	TEH			5	HOT	600UL
37	157	0.22	37	P 2	TWD	11	VSM	+0.73	TEC	TEH			9	HOT	600UL
41	157	0.49	120	P 2	TWD	21	VSM	+0.72	TEC	TEH			9	HOT	600UL
73	157	0.21	86	P 2	TWD	11	VC3	+0.91	TEC	TEH			9	HOT	600UL
87	157	0.32	137	P 2	TWD	15	03H	-1.19	TEC	TEH			5	HOT	600UL
44	158	0.30	128	P 2	TWD	14	VSM	+0.92	TEC	TEH			9	HOT	600UL
		0.16	127	P 2	TWD	9	VSM	-0.08	TEC	TEH			9	HOT	600UL
		0.33	84	P 2	TWD	16	VSM	-0.78	TEC	TEH			9	HOT	600UL
54	158	0.18	124	P 2	TWD	14	VSM	+0.76	TEC	TEH			10	HOT	600UL
68	158	0.59	109	P 2	TWD	23	VH3	-0.04	TEC	TEH			9	HOT	600UL
78	158	0.31	147	P 2	TWD	21	VH3	-0.85	TEC	TEH			10	HOT	600UL
43	159	0.31	22	P 2	TWD	21	02H	-0.85	TEC	TEH			10	HOT	600UL
66	160	0.30	111	P 2	TWD	20	VH3	+0.81	TEC	TEH			10	HOT	600UL
68	160	0.59	131	P 2	TWD	24	VH3	-0.04	TEC	TEH			9	HOT	600UL
78	160	0.54	131	P 2	TWD	30	VH3	-0.92	TEC	TEH			10	HOT	600UL
38	162	0.21	151	P 2	TWD	16	VSM	-0.75	TEC	TEH			10	HOT	600UL
		0.20	99	P 2	TWD	15	VSM	-0.06	TEC	TEH			10	HOT	600UL
40	162	0.21	57	P 2	TWD	11	VSM	-0.08	TEC	TEH			9	HOT	600UL
		0.34	79	P 2	TWD	16	VSM	-0.69	TEC	TEH			9	HOT	600UL
58	162	0.18	131	P 2	TWD	14	VH3	-0.79	TEC	TEH			10	HOT	600UL
62	162	0.20	68	P 2	TWD	15	VH3	-0.90	TEC	TEH			10	HOT	600UL
76	162	0.24	71	P 2	TWD	12	08H	+1.00	TEC	TEH			9	HOT	600UL
71	163	0.13	44	P 2	TWD	11	02C	+0.08	TEC	TEH			10	HOT	600UL
46	164	0.15	60	P 2	TWD	12	VSM	-0.17	TEC	TEH			10	HOT	600UL
		0.24	152	P 2	TWD	17	VSM	-0.75	TEC	TEH			10	HOT	600UL
60	164	0.18	155	P 2	TWD	14	08C	+0.77	TEC	TEH			10	HOT	600UL
68	164	0.34	128	P 2	TWD	22	VH3	-0.79	TEC	TEH			10	HOT	600UL
		0.32	100	P 2	TWD	22	01C	+0.86	TEC	TEH			10	HOT	600UL
		0.17	102	P 2	TWD	13	01C	-0.08	TEC	TEH			10	HOT	600UL
55	165	0.19	133	P 2	TWD	14	VH3	-0.94	TEC	TEH			10	HOT	600UL
67	165	0.70	102	P 2	TWD	26	01C	-0.08	TEC	TEH			9	HOT	600UL

MAI, MCI, MMI, MVI, SAI, SCI, SVI, 0-100% TWD

QUERY: rpc_icodes_and_0-100%twd.qry

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
20	166	0.25	87	P 2	TWD	13	02H	+0.88	TEC	TEH			46	HOT	600UL
62	166	0.20	120	P 2	TWD	15	02H	-0.27	TEC	TEH			6	HOT	600UL
		0.28	107	P 2	TWD	19	02H	-0.98	TEC	TEH			6	HOT	600UL
64	166	0.24	19	P 2	TWD	11	07H	+0.67	TEC	TEH			5	HOT	600UL
45	167	0.19	134	P 2	TWD	10	VSM	+0.98	TEC	TEH			46	HOT	600UL
40	168	0.53	50	P 2	TWD	23	VSM	+0.88	TEC	TEH			46	HOT	600UL
		0.18	155	P 2	TWD	10	VSM	-0.74	TEC	TEH			46	HOT	600UL
		0.23	135	P 2	TWD	12	VSM	-0.16	TEC	TEH			46	HOT	600UL
45	169	0.34	53	P 2	TWD	17	01C	+0.98	TEC	TEH			46	HOT	600UL
22	170	0.23	56	P 2	TWD	10	01C	+0.88	TEC	TEH			5	HOT	600UL
40	170	0.31	139	P 2	TWD	21	01C	+0.88	TEC	TEH			6	HOT	600UL
42	170	0.20	83	P 2	TWD	8	01H	-0.13	TEC	TEH			5	HOT	600UL
46	170	0.23	41	P 2	TWD	10	05C	+0.84	TEC	TEH			5	HOT	600UL
33	171	0.38	133	P 2	TWD	16	01C	-0.51	TEC	TEH			5	HOT	600UL
37	171	0.52	110	P 2	TWD	20	VSM	-0.82	TEC	TEH			5	HOT	600UL

Total Tubes : 606
Total Records: 789