

L. William Pearce
Vice President724-682-5234
Fax: 724-643-8069October 14, 2005
L-05-161U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Subject: Beaver Valley Power Station, Unit Nos. 1 and 2
BV-1 Docket No. 50-334, License No. DPR-66
BV-2 Docket No. 50-412, License No. NPF-73
Year 2004/2005 Steam Generator Examination Reports

Enclosed is the Beaver Valley Power Station (BVPS) Unit No. 1 report describing the results of the steam generator eddy current examinations that occurred during the Unit No. 1 16th Refueling Outage (1R16 - October 2004). Also enclosed is the BVPS Unit No. 2 report describing the results of the steam generator eddy current examinations that occurred during the Unit No. 2 11th Refueling Outage (2R11 - April 2005). These reports satisfy Technical Specification 4.4.5.5.b in each Unit's respective Technical Specifications which require the submittal of the complete results of the steam generator tube and sleeve inservice inspection within 12 months following the completion of the inspection.

Summaries of the BVPS Unit 1 and Unit 2 steam generator inspections are contained in Enclosure 1 and Enclosure 2, respectively. The Enclosures are supported by attachments which provide the information listed below as required by Technical Specification 4.4.5.5.b:

- a. Number and extent of tubes and sleeves inspected
- b. Location and percent of wall-thickness penetration for each indication of an imperfection
- c. Identification of tubes plugged or repaired

Enclosure 3 lists the definitions of terms used in the data reporting and data analysis process.

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No new commitments are contained in this submittal. If there are any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Compliance at 724-682-4284.

Sincerely,


L. William Pearce

Enclosures

c: Mr. T. G. Colburn, NRR Senior Project Manager
Mr. P. C. Cataldo, NRC Senior Resident Inspector
Mr. S. J. Collins, NRC Region I Administrator

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bc: R. W. Fedin
B. F. Sepelak
G. D. Alberti
G. A. Kammerdeiner
D. W. Jenkins
Central File - *Keywords: Steam Generator Report*

ENCLOSURE 1

BEAVER VALLEY POWER STATION UNIT NO. 1

16TH REFUELING OUTAGE

ENCLOSURE 1

Beaver Valley Unit No. 1 16th Refueling Outage (Attachments 1 through 3A)

Procedures and Personnel

The examinations and the analysis performed during the 16th Refueling Outage were in compliance with the Beaver Valley Unit #1 Technical Specifications, NRC Regulatory Guide 1.83, EPRI PWR SG Examination Guidelines, Volume 1 (Rev. 6) and FENOC Procedure ISIE1-7 (Rev. 9), "Unit #1 SG Examination Guidelines". Personnel evaluating data were Qualified Data Analysts (QDA) in accordance with Appendix "G" of the EPRI PWR SG Examination Guidelines. All analysts were required to pass a site specific performance demonstration prior to analyzing the eddy current data from the current outage. All data underwent an independent second party review prior to final acceptance.

Eddy Current Examination

One hundred percent of the in-service tubes in Rows 3 through 46 from SG's 1RC-E-1A, 1RC-E-1B and 1RC-E-1C were examined full length with bobbin coil probes. In-service tubes in Rows 1 and 2 were examined with bobbin coil probes to the upper most tube support plate (TSP) in each leg. The U-bend regions of the in-service tubes in Rows 1 and 2 were examined with Plus Point probes.

Plus Point probes were also utilized to examine the following in each SG:

One hundred percent of the hot leg top-of-tubesheet region.

One hundred percent of the in-service tube sleeves installed in SG's 1RC-E-1A and 1RC-E-1B (No sleeves are installed in 1RC-E-1C). This examination included the sleeve welds, the lower hard roll area and expansion region of the tubesheet sleeves. Bobbin coil was used to examine the unexpanded portion of the sleeves.

One hundred percent of distorted TSP signals with bobbin voltages > 2.00 volts. Distorted support plate signals ≤ 2.00 volts were randomly sampled to confirm the morphology being observed remained Outside Diameter Stress Corrosion Cracking (ODSCC).

One hundred percent of TSP mix residual signals with bobbin voltages ≥ 1.5 volts.

One hundred percent of hot leg free-span dings with bobbin voltages (a) ≥ 5.00 volts and (b) > 2.00 volts but < 5.00 volts between hot leg top-of-tubesheet and the 3rd hot leg TSP.

One hundred percent of dented TSP's with bobbin voltages (a) ≥ 5.00 volts and (b) > 2.00 volts but < 5.00 volts located at the 1st, 2nd and 3rd hot leg TSP's.

One hundred percent of dented TSP's with bobbin coil voltages > 2.0 volts but < 5.00 volts located at the 4th, 5th, 6th and 7th hot leg TSP's in SG 1RC-E-1A.

One hundred percent of freespan signals that were not resolved as manufacturing burnish marks.

Twenty percent of the cold leg top-of-tubesheet region in SG 1RC-E-1B.

Twenty percent of the U-bend regions in Rows 3 through 7 and Rows 12 through 18.

Twenty percent of bobbin coil cold leg thinning indications.

ENCLOSURE 1

Beaver Valley Unit No. 1 16th Refueling Outage (Attachments 1 through 3A)

Tube Sleeves

No tube sleeves were installed during 1R16.

Axial Indications in Parent Tube Behind Tubesheet Sleeves

Twenty-three tubes that were sleeved at 1R13 with full length tubesheet sleeves were found to have axial indications in the parent tube lower hard roll region. The parent tube indications are located approximately 1.0" up from the tube end and are coincident with the area where a tube plug was previously removed by the TIG relaxation process. These tubes were removed from service.

Bulged Tubesheet Sleeves

No bulged or obstructed tubesheet sleeves were found during 1R16.

Axial Indication Extending Beyond the Tube Support Plate

One tube was identified as exhibiting an axial indication extending beyond the confines of the TSP. In accordance with the requirements of Technical Specification Amendment No. 198 (Generic Letter 95-05), the NRC was notified of this condition.

Insitu Pressure Testing

One tube required In-situ testing. No leakage was observed at any of the target pressures.

Examination Summary

The following table summarizes the number of tubes examined, number of tube sleeves examined and the number of tubes removed from service.

	1RC-E-1A	1RC-E-1B	1RC-E-1C
TUBES EXAMINED (BOBBIN)	2627	2856	2925
TUBE SLEEVES EXAMINED	248	178	N/A
TUBES REMOVED FROM SERVICE	104	40	52

ENCLOSURE 1 (Cont.)

Beaver Valley Unit No. 1 16th Refueling Outage (Attachments 1 through 3A)

The results of the Unit 1 SG eddy current examinations are provided in the following Attachments:

- Attachment 1 -** Beaver Valley Unit #1 1R16 SG Examination Results
1RC-E-1A Tubes with Indications
- Attachment 1A -** Beaver Valley Unit #1 1R16 SG Examination Results
1RC-E-1A Tubes Removed From Service
- Attachment 2 -** Beaver Valley Unit #1 1R16 SG Examination Results
1RC-E-1B Tubes with Indications
- Attachment 2A -** Beaver Valley Unit #1 1R16 SG Examination Results
1RC-E-1B Tubes Removed From Service
- Attachment 3 -** Beaver Valley Unit #1 1R16 SG Examination Results
1RC-E-1C Tubes with Indications
- Attachment 3A -** Beaver Valley Unit #1 1R16 SG Examination Results
1RC-E-1C Tubes Removed From Service

ATTACHMENT 1

**BEAVER VALLEY UNIT #1
1R16 SG EXAMINATION
RESULTS
1RC-E-1A
TUBES WITH INDICATIONS**

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1A
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	1	DSI	0.49	82		P1	04H	-0.03			07H	TEH
1	5	DSI	0.84	49		P1	01H	-0.09			07H	TEH
1	5	MAI	0.25	109		6	01H	-0.11	0.35		01H	01H
1	7	DSI	0.77	46		P1	01H	0.03			07H	TEH
1	7	DSI	0.66	68		P1	02H	0.03			07H	TEH
1	7	SAI	0.28	113		6	01H	-0.03	0.40		01H	01H
1	16	DSI	0.70	37		P1	01H	-0.06			07H	TEH
1	18	DSI	0.48	87		P1	01H	-0.09			07H	TEH
1	18	DSI	1.30	52		P1	02H	0.00			07H	TEH
1	18	DSI	1.00	100		P1	03H	-0.08			07H	TEH
1	18	SAI	0.38	101		6	02H	-0.11	0.25		02H	02H
1	19	DSI	0.84	52		P1	01H	0.00			07H	TEH
1	19	MAI	0.32	106		6	01H	0.01	0.21		01H	01H
1	26	DSI	1.62	80		P1	01H	0.00			07H	TEH
1	26	DSI	0.62	52		P1	02H	0.03			07H	TEH
1	26	MAI	0.24	77		6	02H	-0.06	0.53		02H	02H
1	26	MAI	0.90	99		6	01H	-0.06	0.65		01H	01H
1	41	DSI	0.69	102		P1	01H	-0.20			07H	TEH
1	49	DSI	0.54	45		P1	02H	-0.06			07H	TEH
1	49	MAI	0.18	105		6	02H	0.02	0.42		02H	02H
1	53	DSI	0.67	90		P1	01H	-0.14			07H	TEH
1	59	DSI	0.70	63		P1	01H	0.03			07H	TEH
1	59	DSI	0.71	111		P1	02H	-0.14			07H	TEH
1	60	DSI	0.62	115		P1	01H	-0.09			07H	TEH
1	60	DSI	0.65	36		P1	02H	0.00			07H	TEH
1	60	MAI	0.20	88		6	02H	-0.06	0.20		02H	02H
1	61	DSI	0.89	57		P1	01H	-0.03			07H	TEH
1	61	DSI	0.32	60		P1	02H	0.00			07H	TEH
1	62	DSI	0.34	64		P1	02H	-0.06			07H	TEH
1	65	DSI	0.42	94		P1	01H	0.06			07H	TEH
1	84	DSI	1.59	63		P1	03H	0.00			07H	TEH
1	84	SPR	1.53	96		P1	01H	0.00			07H	TEH
1	84	MAI	0.42	107		6	01H	-0.28	0.34		01H	01H
1	84	MAI	0.52	90		6	03H	0.00	0.49		03H	03H
1	88	SPR	1.53	58		P1	03H	0.00			07H	TEH
1	88	SAI	0.25	113		6	03H	-0.08	0.29		03H	03H
2	3	DSI	0.56	43		P1	01H	-0.09			07H	TEH
2	3	DSI	0.43	46		P1	02H	-0.06			07H	TEH
2	3	SAI	0.43	108		6	01H	-0.08	0.46		01H	01H
2	3	SAI	0.36	104		6	02H	-0.04	0.44		02H	02H
2	7	DSI	1.03	111		P1	02H	-0.09			07H	TEH
2	10	DSI	1.31	175		P1	01H	0.03			07H	TEH
2	10	DSI	1.47	142		P1	02H	-0.17			07H	TEH
2	10	SAI	0.28	69		6	01H	0.01	0.37		01H	01H
2	10	MAI	0.56	101		6	02H	-0.14	0.49		02H	02H
2	11	DSI	0.44	82		P1	01H	-0.03			07H	TEH
2	11	DSI	1.92	66		P1	02H	-0.17			07H	TEH
2	11	DSI	0.29	76		P1	06H	-0.14			07H	TEH
2	11	MAI	0.46	103		6	02H	-0.11	0.35		02H	02H
2	14	DSI	0.59	41		P1	02H	0.00			07H	TEH
2	14	SAI	0.28	106		6	02H	-0.06	0.57		02H	02H

Beaver Valley Unit #1
1R16 SG Examination Results

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1RC-E-1A
(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	16	DSI	0.57	45		P1	01H	0.00			07H	TEH
2	16	SAI	0.25	90		6	01H	-0.01	0.26		01H	01H
2	17	SAI	0.15	84		6	TSH	-0.03	0.17		TSH	TSH
2	19	DSI	1.59	17		P1	02H	-0.09			07H	TEH
2	24	DSI	1.97	54		P1	01H	-0.11			07H	TEH
2	24	DSI	0.47	71		P1	02H	-0.03			07H	TEH
2	24	MAI	0.24	68		6	TSH	0.05	0.17		TSH	TSH
2	24	SAI	0.68	84		6	01H	0.22	0.63		01H	01H
2	27	DSI	1.39	34		P1	01H	0.00			07H	TEH
2	27	MAI	0.40	87		6	01H	-0.08	0.64		01H	01H
2	30	DSI	1.27	46		P1	01H	-0.09			07H	TEH
2	30	MAI	0.36	101		6	01H	0.05	0.33		01H	01H
2	33	DSI	0.54	48		P1	01H	0.06			07H	TEH
2	33	DSI	0.48	82		P1	03H	0.03			07H	TEH
2	33	MAI	0.33	118		6	01H	-0.10	0.59		01H	01H
2	35	DSI	0.69	118		P1	01H	-0.06			07H	TEH
2	36	DSI	0.92	72		P1	01H	0.00			07H	TEH
2	37	DSI	1.57	71		P1	01H	-0.14			07H	TEH
2	37	MAI	0.16	80		6	01H	0.02	0.47		01H	01H
2	38	DSI	0.85	62		P1	01H	-0.09			07H	TEH
2	38	DSI	0.63	53		P1	02H	-0.06			07H	TEH
2	38	SAI	0.15	90		6	TSH	0.51	0.15		TSH	TSH
2	38	SAI	0.19	74		6	02H	-0.22	0.47		02H	02H
2	40	DSI	1.31	62		P1	01H	-0.14			07H	TEH
2	40	MAI	0.35	86		6	01H	0.04	0.43		01H	01H
2	44	DSI	1.50	69		P1	01H	-0.20			07H	TEH
2	44	DSI	0.39	126		P1	03H	0.09			07H	TEH
2	44	DSI	0.77	116		P1	04H	-0.26			07H	TEH
2	44	MAI	0.42	92		6	01H	-0.21	0.48		01H	01H
2	45	DSI	0.65	119		P1	01H	-0.14			07H	TEH
2	51	DNT	2.10	176		P1	04H	-0.17			07H	TEH
2	51	DSI	1.82	28		P1	01H	0.03			07H	TEH
2	51	MAI	0.40	86		6	01H	-0.02	0.50		01H	01H
2	51	SAI	0.26	112		6	04H	-0.23	0.16		04H	04H
2	52	DSI	0.51	58		P1	01H	-0.09			07H	TEH
2	53	DSI	0.80	87		P1	01H	0.03			07H	TEH
2	53	DSI	0.55	80		P1	02H	-0.06			07H	TEH
2	53	DSI	0.63	154		P1	03H	-0.17			07H	TEH
2	55	DSI	0.53	42		P1	02H	-0.06			07H	TEH
2	55	MAI	0.32	90		6	02H	-0.23	0.47		02H	02H
2	60	DSI	0.75	43		P1	01H	0.00			07H	TEH
2	60	MAI	0.54	95		6	01H	-0.02	0.68		01H	01H
2	62	DSI	0.86	73		P1	02H	0.26			07H	TEH
2	65	DSI	1.13	90		P1	01H	-0.09			07H	TEH
2	65	DSI	0.40	88		P1	02H	0.03			07H	TEH
2	68	DSI	1.81	108		P1	01H	-0.12			07H	TEH
2	68	MAI	0.95	90		6	01H	-0.12	0.55		01H	01H
2	69	DSI	0.52	59		P1	01H	0.03			07H	TEH
2	69	DSI	0.50	105		P1	03H	-0.17			07H	TEH
2	69	DSI	0.77	106		P1	04H	-0.20			07H	TEH
2	70	DSI	1.65	75		P1	02H	-0.17			07H	TEH

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1A
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	70	MAI	0.70	95		6	02H	0.00	0.45		02H	02H
2	74	DSI	0.50	78		P1	02H	-0.03			07H	TEH
2	77	DSI	0.22	45		P1	02H	0.03			07H	TEH
2	77	DSI	0.43	41		P1	04H	0.03			07H	TEH
2	77	SAI	0.32	77		6	02H	-0.39	0.51		02H	02H
2	77	SAI	0.22	118		6	04H	-0.22	0.28		04H	04H
2	80	DSI	0.84	126		P1	01H	0.11			07H	TEH
2	80	DSI	1.19	87		P1	02H	0.11			07H	TEH
2	83	DSI	0.66	172		P1	02H	-0.14			07H	TEH
2	83	DSI	0.56	155		P1	03H	0.23			07H	TEH
2	84	DSI	0.50	92		P1	01H	0.00			07H	TEH
2	84	DSI	0.31	49		P1	02H	0.00			07H	TEH
2	84	DSI	0.39	80		P1	04H	-0.11			07H	TEH
2	85	DSI	0.66	68		P1	03H	0.00			07H	TEH
2	86	DSI	0.80	93		P1	02H	0.09			07H	TEH
2	86	DSI	0.56	107		P1	03H	-0.17			07H	TEH
2	87	DSI	0.81	65		P1	02H	0.06			07H	TEH
2	88	DSI	0.40	55		P1	03H	0.00			07H	TEH
2	88	DSI	0.61	142		P1	04H	-0.20			07H	TEH
2	88	SAI	0.15	108		6	03H	0.07	0.16		03H	03H
2	92	DSI	0.64	90		P1	01H	-0.06			07H	TEH
2	93	PCT	1.50	118	22	P1	01C	-0.10			07C	TEC
2	93	PCT	0.44	125	0	P1	02C	-0.03			07C	TEC
2	93	PCT	0.43	0	28	3	01C	-0.03			01C	01C
2	93	VOL	0.74	102		6	01C	-0.03			01C	01C
2	93	PCT	0.20	0	0	3	02C	0.04			02C	02C
2	93	VOL	0.45	112		6	02C	0.04			02C	02C
3	3	DSI	0.85	113		P1	01H	0.03			07H	TEH
3	3	DSI	0.91	104		P1	02H	0.00			07H	TEH
3	7	DSI	0.81	70		P1	01H	0.00			07H	TEH
3	7	DSI	1.06	91		P1	02H	0.00			07H	TEH
3	9	DSI	0.54	128		P1	01H	-0.09			07H	TEH
3	9	DSI	0.48	49		P1	02H	0.00			07H	TEH
3	9	SAI	0.42	70		6	02H	0.02	0.39		02H	02H
3	11	DSI	0.79	104		P1	01H	0.03			07H	TEH
3	11	DSI	1.21	76		P1	02H	-0.03			07H	TEH
3	13	DSI	0.62	146		P1	01H	-0.26			07H	TEH
3	14	DSI	0.34	41		P1	01H	0.00			07H	TEH
3	14	MAI	0.33	104		6	01H	-0.11	0.66		01H	01H
3	15	DSI	0.47	105		P1	01H	-0.03			07H	TEH
3	15	DSI	0.77	101		P1	02H	-0.26			07H	TEH
3	15	DSI	1.09	60		P1	03H	0.00			07H	TEH
3	16	DSI	0.52	66		P1	03H	0.00			07H	TEH
3	19	DSI	0.92	70		P1	02H	-0.11			07H	TEH
3	25	DSI	0.79	33		P1	01H	-0.09			07H	TEH
3	25	DSI	0.26	120		P1	02H	-0.06			07H	TEH
3	25	MAI	0.23	105		6	01H	0.12	0.63		01H	01H
3	26	DSI	1.87	95		P1	01H	-0.09			07H	TEH
3	26	MAI	0.63	98		6	01H	-0.07	0.46		01H	01H
3	29	DSI	1.28	36		P1	01H	-0.11			07H	TEH
3	29	SAI	0.29	131		6	01H	0.06	0.41		01H	01H

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1A
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	32	DSI	1.02	100		P1	01H	0.09			07H	TEH
3	32	DSI	0.79	94		P1	02H	0.03			07H	TEH
3	32	DSI	0.83	104		P1	03H	0.17			07H	TEH
3	32	DSI	0.59	100		P1	04H	0.00			07H	TEH
3	32	DSI	0.76	126		P1	05H	-0.20			07H	TEH
3	33	DSI	0.55	45		P1	01H	0.00			07H	TEH
3	33	SAI	0.23	104		6	01H	-0.08	0.42		01H	01H
3	35	DSI	0.78	42		P1	01H	-0.03			07H	TEH
3	35	MAI	0.38	100		6	01H	-0.03	0.65		01H	01H
3	36	DSI	1.36	60		P1	01H	-0.11			07H	TEH
3	36	DSI	1.16	16		P1	03H	0.00			07H	TEH
3	36	DSI	0.20	81		P1	06H	-0.06			07H	TEH
3	36	MAI	0.22	116		6	03H	0.10	0.58		03H	03H
3	36	MAI	0.67	89		6	01H	0.01	0.67		01H	01H
3	44	DSI	0.60	118		P1	01H	-0.23			07H	TEH
3	45	DSI	0.69	120		P1	01H	-0.20			07H	TEH
3	47	DSI	0.64	85		P1	01H	0.00			07H	TEH
3	47	DSI	0.64	55		P1	02H	0.00			07H	TEH
3	47	DSI	0.64	127		P1	03H	0.14			07H	TEH
3	47	MAI	0.26	104		6	02H	-0.06	0.35		02H	02H
3	48	DSI	0.40	76		P1	01H	0.00			07H	TEH
3	48	DSI	0.37	48		P1	03H	0.00			07H	TEH
3	51	DSI	0.50	53		P1	01H	0.00			07H	TEH
3	51	DSI	0.32	25		P1	02H	-0.06			07H	TEH
3	51	DSI	0.45	118		P1	03H	0.08			07H	TEH
3	51	DSI	0.31	150		P1	04H	-0.11			07H	TEH
3	51	DSI	0.50	46		P1	06H	0.00			07H	TEH
3	51	SAI	0.21	110		6	TSH	0.05	0.23		TSH	TSH
3	51	SAI	0.44	67		6	02H	-0.29	0.24		02H	02H
3	55	DSI	1.31	98		P1	01H	0.00			07H	TEH
3	55	DSI	1.12	61		P1	02H	-0.14			07H	TEH
3	55	SAI	0.16	73		6	TSH	0.04	0.25		TSH	TSH
3	55	MAI	0.29	104		6	01H	0.00	0.29		01H	01H
3	58	DSI	1.07	78		P1	01H	-0.14			07H	TEH
3	58	DSI	0.84	64		P1	02H	0.06			07H	TEH
3	58	DSI	0.83	84		P1	04H	-0.11			07H	TEH
3	63	DSI	0.76	73		P1	01H	0.09			07H	TEH
3	63	DSI	0.71	140		P1	02H	-0.17			07H	TEH
3	63	DSI	0.28	102		P1	07H	0.00			07H	TEH
3	64	DSI	0.49	27		P1	02H	0.09			07H	TEH
3	64	MAI	0.52	98		6	02H	0.09	0.51		02H	02H
3	67	DSI	0.31	45		P1	01H	0.00			07H	TEH
3	67	DSI	0.72	78		P1	02H	0.20			07H	TEH
3	67	SAI	0.23	71		6	01H	0.00	0.35		01H	01H
3	69	SPR	1.68	90		P1	02H	-0.20			07H	TEH
3	69	MAI	0.22	87		6	02H	-0.15	0.44		02H	02H
3	70	DSI	0.67	77		P1	02H	0.20			07H	TEH
3	73	DSI	0.31	92		P1	01H	-0.03			07H	TEH
3	77	DSI	0.66	131		P1	02H	0.26			07H	TEH
3	80	DSI	1.05	93		P1	02H	0.20			07H	TEH
3	85	DSI	0.62	73		P1	01H	0.00			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	85	DSI	0.55	134		P1	02H	0.06			07H	TEH
3	87	DSI	0.37	109		P1	07H	0.24			07H	TEH
3	87	SAI	0.10	103		2	07H	0.22	0.23		07H	07C
3	88	DSI	0.58	125		P1	03H	-0.14			07H	TEH
3	92	DSI	0.32	57		P1	04H	0.00			07H	TEH
3	93	PCT	0.56	131	0	P1	01C	-0.05			07C	TEC
3	94	DSI	0.78	47		P1	02H	-0.03			07H	TEH
3	94	MAI	0.46	103		6	02H	-0.02	0.51		02H	02H
4	1	DSI	0.59	115		P1	01H	0.00			07H	TEH
4	1	DSI	0.91	63		P1	05H	0.14			07H	TEH
4	3	DSI	0.87	138		P1	01H	0.14			07H	TEH
4	5	DSI	1.55	39		P1	01H	-0.09			07H	TEH
4	5	DSI	0.38	84		P1	02H	0.00			07H	TEH
4	5	SAI	0.29	85		6	01H	-0.05	0.26		01H	01H
4	7	DSI	0.88	47		P1	01H	-0.03			07H	TEH
4	7	DSI	0.79	41		P1	04H	-0.06			07H	TEH
4	7	DSI	0.25	72		P1	05H	0.06			07H	TEH
4	7	MAI	0.37	93		6	01H	0.04	0.54		01H	01H
4	9	DSI	0.98	82		P1	01H	0.00			07H	TEH
4	9	DSI	0.70	113		P1	02H	-0.11			07H	TEH
4	10	DSI	0.83	86		P1	01H	-0.09			07H	TEH
4	10	DSI	1.05	60		P1	02H	-0.09			07H	TEH
4	11	DSI	0.83	25		P1	02H	0.00			07H	TEH
4	11	DSI	0.91	35		P1	03H	0.00			07H	TEH
4	14	DSI	0.48	101		P1	01H	0.06			07H	TEH
4	14	DSI	0.83	48		P1	02H	-0.06			07H	TEH
4	14	MAI	0.42	106		6	02H	-0.11	0.66		02H	02H
4	17	DSI	0.52	53		P1	01H	0.00			07H	TEH
4	17	DSI	0.59	87		P1	02H	-0.03			07H	TEH
4	17	SAI	0.45	90		6	01H	-0.16	0.39		01H	01H
4	18	DSI	0.59	91		P1	03H	-0.15			2SH	TEC
4	18	DSI	0.54	121		P1	04H	-0.25			2SH	TEC
4	18	DSI	0.53	93		P1	05H	-0.05			2SH	TEC
4	18	DSI	1.08	88		P1	06H	0.00			2SH	TEC
4	18	DSI	0.25	48		P1	07C	0.08			2SH	TEC
4	18	DSI	0.55	108		P1	07H	-0.08			2SH	TEC
4	18	SAI	0.23	108		6	07C	-0.08	0.17		07C	07C
4	19	PTF	0.41	60		6	SBH	2.56			SBH	SBH
4	19	PTP	3.43	64		6	SBH	1.37			SBH	SBH
4	19	DSI	0.78	89		P1	02H	-0.18			1SH	TEC
4	19	DSI	0.50	98		P1	03H	-0.05			1SH	TEC
4	28	DSI	0.72	55		P1	01H	0.00			07H	TEH
4	28	MAI	0.52	85		6	01H	0.10	0.53		01H	01H
4	33	DSI	1.28	77		P1	01H	-0.03			07H	TEH
4	33	DSI	1.07	123		P1	02H	-0.23			07H	TEH
4	33	DSI	1.12	106		P1	03H	-0.14			07H	TEH
4	45	DSI	1.66	69		P1	01H	-0.11			07H	TEH
4	45	MAI	0.33	107		6	01H	-0.17	0.50		01H	01H
4	47	DSI	0.63	46		P1	01H	-0.03			07H	TEH
4	47	DSI	0.59	46		P1	02H	-0.06			07H	TEH
4	47	SAI	0.20	115		6	01H	-0.09	0.20		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
4	47	SAI	0.23	91		6	02H	0.04	0.46		02H	02H
4	48	SAI	0.16	114		6	TSH	0.12	0.35		TSH	TSH
4	50	DSI	0.55	27		P1	01H	-0.06			07H	TEH
4	50	DSI	0.24	26		P1	02H	-0.06			07H	TEH
4	50	MAI	0.46	92		6	01H	-0.03	0.39		01H	01H
4	50	MAI	0.30	84		6	02H	-0.19	0.52		02H	02H
4	52	SPR	1.94	107		P1	02H	0.00			STH	TEC
4	52	SAI	0.74	118		2	02H	-0.29	0.33		02H	02H
4	53	DSI	1.41	60		P1	01H	0.03			07H	TEH
4	53	MAI	0.53	96		6	01H	0.02	0.52		01H	01H
4	54	DSI	1.05	58		P1	01H	0.00			07H	TEH
4	54	SAI	0.22	69		6	TSH	0.08	0.23		TSH	TSH
4	55	DSI	0.68	89		P1	01H	-0.14			07H	TEH
4	56	DSI	0.49	79		P1	02H	-0.03			07H	TEH
4	57	DSI	0.55	89		P1	01H	-0.17			07H	TEH
4	57	DSI	0.61	79		P1	03H	0.00			07H	TEH
4	59	DSI	0.54	37		P1	01H	0.03			07H	TEH
4	59	DSI	0.30	109		P1	02H	-0.06			07H	TEH
4	59	SAI	0.31	98		6	01H	0.15	0.55		01H	01H
4	60	DSI	0.56	81		P1	01H	-0.09			07H	TEH
4	60	DSI	0.73	40		P1	02H	0.00			07H	TEH
4	60	DSI	0.40	47		P1	05H	0.00			07H	TEH
4	60	MAI	0.29	110		6	02H	0.01	0.62		02H	02H
4	63	DSI	0.80	60		P1	02H	-0.06			07H	TEH
4	63	DSI	0.40	95		P1	03H	0.00			07H	TEH
4	64	DSI	1.26	92		P1	05H	0.02			2SH	TEC
4	64	DSI	0.60	126		P1	06H	0.17			2SH	TEC
4	65	DSI	0.88	71		P1	01H	-0.09			07H	TEH
4	66	DSI	0.61	39		P1	01H	0.00			07H	TEH
4	66	MAI	0.33	101		6	01H	0.00	0.51		01H	01H
4	68	DSI	0.57	22		P1	01H	-0.14			07H	TEH
4	68	DSI	0.41	153		P1	02H	-0.11			07H	TEH
4	68	DSI	0.87	78		P1	04H	-0.17			07H	TEH
4	68	MAI	0.20	98		6	01H	-0.09	0.45		01H	01H
4	70	DSI	0.38	57		P1	01H	0.00			07H	TEH
4	70	DSI	0.59	29		P1	04H	-0.06			07H	TEH
4	72	DSI	0.79	100		P1	01H	-0.14			07H	TEH
4	72	DSI	0.43	101		P1	03H	-0.20			07H	TEH
4	75	DSI	0.66	36		P1	01H	-0.06			07H	TEH
4	75	SAI	0.22	105		6	01H	-0.09	0.27		01H	01H
4	77	DSI	0.34	31		P1	01H	-0.06			07H	TEH
4	77	MAI	0.51	110		6	01H	-0.06	0.57		01H	01H
4	85	DSI	0.58	151		P1	03H	0.14			07H	TEH
4	86	DSI	1.90	76		P1	02H	0.23			07H	TEH
4	86	SAI	0.27	98		6	02H	0.11	0.21		02H	02H
5	1	DSI	1.63	82		P1	01H	0.08			TEH	TEC
5	1	PCT	0.54	133	0	P1	02C	0.00			TEH	TEC
5	1	DSI	1.52	66		P1	03H	0.20			TEH	TEC
5	1	DSI	0.79	69		P1	04H	0.13			TEH	TEC
5	1	MAI	0.86	99		6	01H	-0.02	0.45		01H	01H
5	1	MAI	0.56	94		6	03H	0.11	0.45		03H	03H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	4	DSI	0.76	32		P1	01H	-0.02			TEH	TEC
5	4	SAI	0.28	92		6	01H	-0.04	0.30		01H	01H
5	5	DSI	0.94	46		P1	01H	0.00			TEH	TEC
5	5	MAI	0.12	84		6	01H	0.02	0.35		01H	01H
5	8	DSI	0.74	46		P1	01H	0.00			TEH	TEC
5	8	DSI	0.91	56		P1	02H	0.00			TEH	TEC
5	8	MAI	0.32	104		6	01H	0.02	0.71		01H	01H
5	11	DSI	0.59	37		P1	01H	0.02			TEH	TEC
5	11	DSI	1.18	35		P1	02H	0.00			TEH	TEC
5	11	SAI	0.23	94		6	01H	0.03	0.33		01H	01H
5	11	SAI	0.44	114		6	02H	-0.01	0.49		02H	02H
5	12	DSI	0.63	31		P1	02H	0.00			TEH	TEC
5	12	SAI	0.22	96		6	02H	-0.01	0.27		02H	02H
5	13	DSI	0.54	32		P1	01H	0.00			TEH	TEC
5	13	DSI	0.95	23		P1	02H	0.02			TEH	TEC
5	13	MAI	0.39	91		6	01H	0.06	0.67		01H	01H
5	13	MAI	0.19	97		6	02H	-0.02	0.36		02H	02H
5	14	DSI	0.56	102		P1	01H	0.13			TEH	TEC
5	14	DSI	0.77	82		P1	02H	-0.16			TEH	TEC
5	16	DSI	1.18	65		P1	01H	0.09			TEH	TEC
5	19	DSI	1.60	89		P1	01H	-0.15			STH	TEC
5	19	DSI	1.00	134		P1	02H	-0.20			STH	TEC
5	19	DSI	0.33	133		P1	04H	0.10			STH	TEC
5	19	DSI	0.43	83		P1	07C	0.06			STH	TEC
5	23	DSI	0.98	51		P1	01H	0.10			TEH	TEC
5	23	MAI	0.60	87		6	01H	-0.03	0.60		01H	01H
5	25	PTP	0.31	117		6	SBH	1.09			SBH	SBH
5	25	DSI	0.70	61		P1	01H	0.00			STH	TEC
5	25	DSI	0.77	105		P1	02H	-0.05			STH	TEC
5	32	DSI	1.19	82		P1	01H	0.00			TEH	TEC
5	32	DSI	0.54	81		P1	03H	0.00			TEH	TEC
5	34	DSI	1.27	92		P1	01H	-0.15			TEH	TEC
5	34	DSI	0.58	46		P1	02H	0.00			TEH	TEC
5	34	DSI	0.78	144		P1	03H	0.30			TEH	TEC
5	40	DSI	1.82	74		P1	01H	-0.03			TEH	TEC
5	40	MAI	1.50	93		6	01H	-0.03	0.72		01H	01H
5	43	DSI	0.37	84		P1	01H	0.15			TEH	TEC
5	43	DSI	0.81	55		P1	02H	0.03			TEH	TEC
5	43	SAI	0.32	87		6	02H	-0.05	0.55		02H	02H
5	47	DSI	0.39	63		P1	01H	0.13			TEH	TEC
5	48	DSI	0.37	147		P1	02H	-0.11			STH	TEC
5	49	DSI	0.70	43		P1	02H	0.03			TEH	TEC
5	49	MAI	0.44	93		6	02H	0.05	0.43		02H	02H
5	51	DSI	1.78	78		P1	01H	-0.10			TEH	TEC
5	51	MAI	0.48	94		6	01H	-0.18	0.60		01H	01H
5	52	DSI	0.58	127		P1	02H	-0.05			TEH	TEC
5	52	DSI	0.15	174		P1	03H	0.13			TEH	TEC
5	52	SAI	0.27	58		6	TSH	0.11	0.28		TSH	TSH
5	52	MAI	0.46	107		6	01H	-0.13	0.64		01H	01H
5	58	SAI	0.87	12		6	TSH	-1.18	0.41		TSH	TSH
5	58	DSI	1.05	162		P1	02H	0.22			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	58	SPR	3.85	180		P1	07C	-0.07			TEH	TEC
5	58	SAI	0.19	125		2	07C	-0.11	0.36		07H	07C
5	58	SAI	0.27	110		6	07C	0.04	0.21		07C	07C
5	58	SPR	1.80	166		P1	07H	0.00			TEH	TEC
5	58	MAI	0.16	91		6	07H	-0.07	0.51		07H	07H
5	58	MAI	0.22	133		2	07H	-0.19	0.33		07H	07H
5	59	DSI	0.55	75		P1	01H	0.10			TEH	TEC
5	59	DSI	0.73	65		P1	02H	0.08			TEH	TEC
5	60	DSI	0.50	138		P1	01H	0.13			TEH	TEC
5	60	DSI	0.38	94		P1	02H	0.22			TEH	TEC
5	60	DSI	0.97	85		P1	04H	-0.09			TEH	TEC
5	61	DSI	0.99	91		P1	01H	0.00			TEH	TEC
5	62	DSI	0.80	95		P1	01H	0.02			TEH	TEC
5	62	DSI	1.95	89		P1	02H	0.06			TEH	TEC
5	62	SAI	0.64	97		6	02H	0.07	0.62		02H	02H
5	66	DSI	0.60	68		P1	01H	-0.04			TEH	TEC
5	67	DSI	0.47	65		P1	02H	0.10			TEH	TEC
5	67	SPR	1.67	104		P1	03H	-0.02			TEH	TEC
5	67	SAI	0.32	85		6	03H	-0.32	0.19		03H	03H
5	69	DSI	0.40	23		P1	01H	0.00			TEH	TEC
5	69	SAI	0.26	107		6	01H	-0.03	0.48		01H	01H
5	70	DSI	0.72	69		P1	01H	0.00			TEH	TEC
5	70	DSI	0.71	61		P1	02H	0.20			TEH	TEC
5	71	DSI	0.88	50		P1	01H	-0.04			TEH	TEC
5	71	DSI	0.31	28		P1	02H	0.08			TEH	TEC
5	71	SAI	0.59	99		6	01H	-0.15	0.57		01H	01H
5	71	SAI	0.27	82		6	02H	-0.25	0.21		02H	02H
5	72	DSI	1.01	45		P1	01H	0.00			TEH	TEC
5	72	SAI	1.25	88		6	01H	-0.07	0.67		01H	01H
5	73	DSI	1.86	90		P1	01H	0.06			TEH	TEC
5	73	DSI	0.86	84		P1	02H	0.18			TEH	TEC
5	73	SAI	1.05	97		6	01H	-0.04	0.64		01H	01H
5	74	DSI	0.61	83		P1	01H	0.09			STH	TEC
5	74	DSI	1.19	84		P1	02H	-0.09			STH	TEC
5	76	DSI	0.62	78		P1	01H	0.05			STH	TEC
5	76	DSI	0.46	72		P1	02H	0.03			STH	TEC
5	79	DSI	1.29	57		P1	01H	0.22			TEH	TEC
5	79	DSI	0.36	98		P1	02H	0.00			TEH	TEC
5	79	MAI	0.47	88		6	01H	-0.20	0.27		01H	01H
5	80	DSI	1.26	96		P1	01H	-0.08			TEH	TEC
5	80	DSI	0.29	83		P1	07H	-0.08			TEH	TEC
5	80	SAI	0.19	117		2	07H	-0.17	0.29		07H	07C
5	82	DSI	0.46	64		P1	02H	0.10			TEH	TEC
5	86	DSI	0.62	67		P1	01H	0.04			TEH	TEC
5	86	DSI	1.36	73		P1	02H	0.18			TEH	TEC
5	86	MAI	0.62	115		6	02H	0.15	0.24		02H	02H
5	87	DSI	0.55	31		P1	01H	0.02			TEH	TEC
5	87	SAI	0.28	93		6	01H	0.09	0.49		01H	01H
5	90	DSI	0.71	46		P1	02H	0.06			TEH	TEC
5	90	SAI	0.31	121		6	02H	0.10	0.40		02H	02H
5	90	SPR	1.54	113		P1	03H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	90	SAI	0.21	107		6	03H	-0.08	0.19		03H	03H
5	91	DSI	0.79	37		P1	01H	0.06			TEH	TEC
5	91	DSI	0.48	44		P1	02H	0.08			TEH	TEC
5	91	DSI	0.82	33		P1	04H	0.06			TEH	TEC
5	91	SAI	0.50	109		6	01H	0.06	0.35		01H	01H
5	91	MAI	0.28	97		6	02H	0.06	0.44		02H	02H
5	91	SAI	0.37	92		6	04H	0.07	0.49		04H	04H
5	92	DSI	0.80	63		P1	04H	0.03			TEH	TEC
5	94	PCT	0.32	133	0	P1	01C	-0.10			TEH	TEC
6	1	DSI	0.95	99		P1	01H	0.15			TEH	TEC
6	1	PCT	0.93	143	0	P1	02C	-0.08			TEH	TEC
6	1	PCT	0.79	105	37	P1	03C	0.20			TEH	TEC
6	2	DSI	0.55	141		P1	01H	0.20			TEH	TEC
6	2	DSI	0.55	32		P1	02H	0.05			TEH	TEC
6	2	DSI	0.57	72		P1	03H	0.03			TEH	TEC
6	2	DSI	0.42	106		P1	07C	-0.05			TEH	TEC
6	2	SAI	0.21	95		6	07C	-0.05	0.23		07C	07C
6	2	SAI	0.11	118		2	07C	-0.04	0.25		07H	07C
6	6	DSI	0.68	48		P1	01H	-0.05			TEH	TEC
6	6	DSI	0.32	39		P1	07C	0.02			TEH	TEC
6	6	DSI	0.99	52		P1	07H	-0.07			TEH	TEC
6	6	MAI	0.46	103		6	01H	-0.09	0.73		01H	01H
6	6	SAI	0.30	71		6	07H	-0.14	0.49		07H	07H
6	6	SAI	0.15	98		6	07C	0.02	0.17		07C	07C
6	9	DSI	0.60	87		P1	01H	0.00			TEH	TEC
6	9	DSI	0.90	133		P1	02H	0.22			TEH	TEC
6	9	DSI	0.75	104		P1	03H	-0.11			TEH	TEC
6	11	DSI	2.08	8		P1	02H	0.18			TEH	TEC
6	12	DSI	1.99	75		P1	01H	-0.03			TEH	TEC
6	12	DSI	1.72	112		P1	02H	0.18			TEH	TEC
6	12	DSI	0.86	90		P1	03H	-0.18			TEH	TEC
6	12	FSI	0.56	103		3	04H	2.30			TEH	TEC
6	12	FSI	0.69	118		3	04H	25.61			TEH	TEC
6	12	DSI	0.89	124		P1	04H	-0.20			TEH	TEC
6	12	DSI	0.58	64		P1	05H	-0.20			TEH	TEC
6	12	DSI	0.29	62		P1	07H	0.00			TEH	TEC
6	12	MAI	1.45	91		6	01H	-0.05	0.65		01H	01H
6	12	MAI	0.49	102		6	02H	0.00	0.51		02H	02H
6	12	SAI	0.28	110		6	04H	-0.22	0.75		04H	04H
6	12	SAI	0.27	100		6	05H	-0.14	0.72		05H	05H
6	15	DSI	1.07	72		P1	01H	0.00			TEH	TEC
6	15	DSI	1.63	91		P1	02H	-0.16			TEH	TEC
6	15	DSI	0.44	57		P1	07H	0.06			TEH	TEC
6	15	SAI	0.66	92		6	02H	-0.09	0.58		02H	02H
6	17	DSI	0.67	49		P1	01H	-0.03			TEH	TEC
6	17	SAI	0.47	103		6	01H	-0.01	0.46		01H	01H
6	20	DSI	0.34	88		P1	01H	0.02			TEH	TEC
6	20	DSI	0.79	138		P1	02H	-0.20			TEH	TEC
6	20	DSI	0.58	124		P1	04H	-0.20			TEH	TEC
6	22	DSI	1.53	54		P1	01H	0.03			TEH	TEC
6	22	DSI	0.81	87		P1	02H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
6	22	MAI	0.55	108		6	01H	0.07	0.46		01H	01H
6	23	DSI	0.76	64		P1	01H	0.14			TEH	TEC
6	23	DSI	0.91	106		P1	02H	0.06			TEH	TEC
6	24	DSI	1.09	49		P1	01H	0.10			TEH	TEC
6	24	SAI	0.12	100		6	TSH	0.27	0.20		TSH	TSH
6	24	MAI	0.87	93		6	01H	0.06	0.54		01H	01H
6	29	DSI	1.70	66		P1	01H	0.05			TEH	TEC
6	29	MAI	0.31	108		6	01H	0.12	0.53		01H	01H
6	35	DSI	1.12	75		P1	01H	0.00			TEH	TEC
6	35	DSI	0.65	104		P1	02H	-0.10			TEH	TEC
6	35	DSI	0.83	94		P1	03H	-0.20			TEH	TEC
6	35	DSI	0.63	99		P1	04H	-0.13			TEH	TEC
6	44	DSI	1.12	66		P1	01H	0.05			TEH	TEC
6	44	DSI	1.11	54		P1	02H	0.05			TEH	TEC
6	44	SAI	0.43	106		6	02H	-0.06	0.70		02H	02H
6	49	SAI	0.18	72		6	TSH	0.04	0.23		TSH	TSH
6	50	DSI	0.91	107		P1	01H	-0.17			TEH	TEC
6	50	DSI	0.43	87		P1	02H	0.05			TEH	TEC
6	51	DSI	0.75	102		P1	02H	-0.18			TEH	TEC
6	51	DSI	0.39	64		P1	03H	0.05			TEH	TEC
6	54	DSI	0.80	86		P1	01H	-0.10			TEH	TEC
6	54	DSI	0.54	111		P1	02H	-0.10			TEH	TEC
6	55	DSI	0.66	65		P1	01H	0.00			TEH	TEC
6	57	DSI	1.28	24		P1	01H	0.05			TEH	TEC
6	57	DSI	0.53	162		P1	02H	0.31			TEH	TEC
6	57	MAI	0.30	85		6	01H	-0.05	0.29		01H	01H
6	58	DSI	0.23	51		P1	01H	0.05			TEH	TEC
6	58	DSI	0.53	100		P1	02H	-0.13			TEH	TEC
6	58	DSI	0.87	101		P1	03H	0.28			TEH	TEC
6	58	DSI	0.93	106		P1	04H	0.28			TEH	TEC
6	58	DSI	0.70	111		P1	05H	-0.13			TEH	TEC
6	58	DSI	0.84	106		P1	07H	0.20			TEH	TEC
6	58	SAI	0.25	107		6	01H	0.09	0.44		01H	01H
6	59	DSI	0.49	66		P1	01H	-0.05			TEH	TEC
6	59	DSI	0.67	66		P1	02H	0.10			TEH	TEC
6	65	DSI	0.58	137		P1	01H	0.26			TEH	TEC
6	65	DSI	0.62	111		P1	02H	0.26			TEH	TEC
6	65	DSI	0.38	137		P1	03H	-0.16			TEH	TEC
6	66	SPR	1.83	163		P1	03H	0.00			TEH	TEC
6	66	SAI	0.28	102		6	03H	0.00	0.22		03H	03H
6	66	SPR	1.61	183		P1	07H	0.18			TEH	TEC
6	66	SAI	0.15	107		2	07H	0.29	0.23		07H	07C
6	67	DSI	0.62	32		P1	02H	0.04			TEH	TEC
6	67	MAI	0.23	105		6	02H	0.04	0.43		02H	02H
6	68	DSI	0.55	44		P1	01H	0.07			TEH	TEC
6	68	SAI	0.37	99		6	01H	0.07	0.49		01H	01H
6	69	DSI	1.08	40		P1	01H	0.00			TEH	TEC
6	69	DSI	0.60	60		P1	02H	0.11			TEH	TEC
6	69	DSI	0.19	62		P1	03H	0.00			TEH	TEC
6	69	DSI	0.46	122		P1	04H	0.15			TEH	TEC
6	69	MAI	0.31	85		6	01H	0.00	0.42		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
6	71	DSI	1.03	56		P1	01H	-0.08			STH	TEC
6	71	DSI	0.35	70		P1	02H	0.08			STH	TEC
6	71	DSI	0.76	80		P1	03H	0.33			STH	TEC
6	71	DSI	1.15	75		P1	04H	-0.25			STH	TEC
6	72	DSI	0.63	43		P1	01H	0.02			TEH	TEC
6	72	MAI	0.49	87		6	01H	0.03	0.59		01H	01H
6	76	DSI	1.61	76		P1	02H	0.00			STH	TEC
6	80	DSI	0.22	48		P1	01H	-0.02			TEH	TEC
6	80	DSI	0.60	28		P1	06C	0.02			TEH	TEC
6	80	SAI	0.19	94		6	01H	-0.19	0.22		01H	01H
6	90	SPR	1.50	96		P1	02H	0.02			TEH	TEC
6	90	MAI	0.22	108		6	02H	0.13	0.38		02H	02H
6	92	DSI	0.42	48		P1	02H	0.02			TEH	TEC
6	92	MAI	0.38	110		6	02H	0.02	0.62		02H	02H
7	1	DSI	0.88	127		P1	01H	-0.13			TEH	TEC
7	2	DSI	0.70	124		P1	01H	0.20			TEH	TEC
7	2	DSI	0.60	57		P1	04H	0.21			TEH	TEC
7	3	DSI	0.88	51		P1	01H	0.13			TEH	TEC
7	3	DSI	0.69	36		P1	02H	0.05			TEH	TEC
7	3	MAI	0.36	105		6	01H	0.09	0.53		01H	01H
7	3	MAI	0.30	105		6	02H	-0.02	0.46		02H	02H
7	4	DSI	1.13	42		P1	01H	0.02			TEH	TEC
7	4	DSI	0.96	104		P1	02H	0.04			TEH	TEC
7	4	MAI	0.36	94		6	01H	0.06	0.43		01H	01H
7	5	DSI	0.87	112		P1	02H	0.09			TEH	TEC
7	5	DSI	1.00	112		P1	03H	0.02			TEH	TEC
7	7	DSI	0.41	80		P1	02H	0.00			TEH	TEC
7	7	DSI	0.31	130		P1	03H	0.14			TEH	TEC
7	7	DSI	0.23	67		P1	07C	-0.09			TEH	TEC
7	7	DSI	0.33	123		P1	07H	0.02			TEH	TEC
7	7	MAI	0.25	94		6	07C	-0.09	0.27		07C	07C
7	10	DSI	0.89	45		P1	01H	0.00			TEH	TEC
7	10	DSI	1.20	88		P1	02H	0.13			TEH	TEC
7	10	DSI	1.31	64		P1	03H	-0.05			TEH	TEC
7	10	MAI	0.46	103		6	01H	0.00	0.70		01H	01H
7	10	MAI	0.47	109		6	03H	-0.08	0.51		03H	03H
7	11	DSI	1.65	60		P1	01H	0.03			TEH	TEC
7	11	DSI	0.56	26		P1	02H	-0.05			TEH	TEC
7	11	DSI	0.85	93		P1	03H	-0.21			TEH	TEC
7	11	DSI	0.54	56		P1	07H	0.00			TEH	TEC
7	11	MAI	0.24	95		6	02H	0.07	0.60		02H	02H
7	11	SPR	1.51	139		P1	04H	0.03			TEH	TEC
7	11	SAI	0.19	55		6	04H	0.25	0.29		04H	04H
7	11	MAI	0.32	93		6	01H	-0.11	0.67		01H	01H
7	12	DSI	0.47	87		P1	01H	-0.08			TEH	TEC
7	16	DSI	1.08	44		P1	01H	0.16			TEH	TEC
7	16	DSI	1.02	67		P1	02H	-0.13			TEH	TEC
7	16	SAI	0.50	87		6	01H	-0.12	0.30		01H	01H
7	18	DSI	1.38	73		P1	01H	-0.02			TEH	TEC
7	18	DSI	1.85	50		P1	02H	0.13			TEH	TEC
7	18	DSI	0.50	33		P1	07H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
7	18	SAI	0.84	95		6	02H	0.08	0.71		02H	02H
7	18	MAI	0.60	96		6	01H	0.01	0.74		01H	01H
7	18	SAI	0.21	83		6	07H	-0.10	0.41		07H	07H
7	22	DSI	0.92	66		P1	02H	0.08			STH	TEC
7	23	DSI	0.50	70		P1	01H	0.15			TEH	TEC
7	23	DSI	0.31	46		P1	04H	0.10			TEH	TEC
7	24	DSI	0.94	85		P1	01H	0.17			TEH	TEC
7	27	DSI	1.04	44		P1	01H	0.00			TEH	TEC
7	27	DSI	0.25	99		P1	02H	0.00			TEH	TEC
7	27	MAI	0.47	101		6	01H	-0.03	0.56		01H	01H
7	28	DSI	1.54	55		P1	01H	-0.03			TEH	TEC
7	28	MAI	0.38	111		6	01H	0.08	0.32		01H	01H
7	31	DSI	1.31	41		P1	01H	0.00			STH	TEC
7	31	MAI	1.29	98		2	01H	0.02	0.52		01H	01H
7	33	PTP	0.67	31		6	SBH	1.16			SBH	SBH
7	33	DSI	1.35	61		P1	01H	-0.03			STH	TEC
7	33	DSI	0.92	64		P1	02H	0.08			STH	TEC
7	36	DSI	0.63	105		P1	01H	-0.23			STH	TEC
7	36	DSI	0.71	59		P1	02H	0.00			STH	TEC
7	36	DSI	0.62	110		P1	03H	0.00			STH	TEC
7	41	DSI	0.54	58		P1	01H	-0.05			TEH	TEC
7	43	PTA	0.18	62		P5	STH	-1.56			STH	STH
7	43	DSI	0.29	56		P1	02H	-0.08			1SH	TEC
7	53	DSI	0.57	51		P1	01H	-0.07			TEH	TEC
7	53	DSI	0.57	69		P1	02H	0.15			TEH	TEC
7	53	SAI	0.32	102		6	01H	-0.06	0.17		01H	01H
7	54	DSI	1.29	118		P1	01H	-0.07			TEH	TEC
7	54	DSI	0.51	88		P1	02H	0.08			TEH	TEC
7	54	DSI	0.36	84		P1	03H	0.03			TEH	TEC
7	54	MAI	0.73	94		6	01H	-0.14	0.45		01H	01H
7	58	DSI	0.27	83		P1	02H	0.00			TEH	TEC
7	60	DSI	0.97	102		P1	03H	-0.05			1SH	TEC
7	60	DSI	0.37	96		P1	07H	0.13			1SH	TEC
7	61	DSI	0.61	71		P1	01H	0.00			TEH	TEC
7	65	DSI	0.40	71		P1	01H	0.04			TEH	TEC
7	65	DSI	0.97	103		P1	02H	-0.04			TEH	TEC
7	65	DSI	0.47	84		P1	03H	0.20			TEH	TEC
7	65	DSI	0.29	80		P1	05H	0.00			TEH	TEC
7	66	DSI	0.50	131		P1	01H	-0.11			TEH	TEC
7	67	DSI	0.57	77		P1	01H	0.08			TEH	TEC
7	67	DSI	0.17	119		P1	02H	0.03			TEH	TEC
7	67	DSI	0.35	199		P1	03H	0.05			TEH	TEC
7	68	DSI	1.62	67		P1	01H	-0.05			TEH	TEC
7	68	DSI	1.27	90		P1	02H	0.18			TEH	TEC
7	68	MAI	1.23	81		6	01H	-0.05	0.60		01H	01H
7	71	DSI	0.44	30		P1	01H	0.00			TEH	TEC
7	71	DSI	0.42	39		P1	02H	0.08			TEH	TEC
7	71	DSI	0.57	89		P1	04H	-0.20			TEH	TEC
7	71	DSI	0.55	36		P1	05H	0.00			TEH	TEC
7	71	MAI	0.40	113		6	01H	-0.19	0.51		01H	01H
7	71	SAI	0.62	82		6	02H	0.00	0.69		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
7	71	SAI	0.16	107		6	05H	0.08	0.34		05H	05H
7	73	DSI	0.91	44		P1	01H	0.05			TEH	TEC
7	73	MAI	0.23	95		6	01H	0.04	0.42		01H	01H
7	74	DSI	0.52	64		P1	02H	0.05			TEH	TEC
7	76	DSI	1.46	34		P1	01H	0.08			TEH	TEC
7	76	MAI	0.34	94		6	01H	0.08	0.68		01H	01H
7	77	DSI	0.84	72		P1	01H	0.08			TEH	TEC
7	81	DSI	0.37	83		P1	01H	0.15			TEH	TEC
7	82	DSI	1.09	40		P1	02H	0.03			TEH	TEC
7	82	SAI	0.25	120		6	01H	0.36	0.08		01H	01H
7	82	SAI	0.48	94		6	02H	0.03	0.65		02H	02H
7	82	SPR	1.84	117		P1	04H	0.00			TEH	TEC
7	82	SAI	0.22	93		6	04H	-0.36	0.14		04H	04H
7	82	MAI	0.38	98		6	07H	0.05	0.71		07H	07H
7	84	DSI	0.70	36		P1	02H	0.13			TEH	TEC
7	84	SAI	0.16	117		6	02H	0.10	0.31		02H	02H
7	86	DSI	0.74	49		P1	01H	0.10			TEH	TEC
7	86	SAI	0.34	106		6	01H	0.08	0.29		01H	01H
7	87	DSI	0.95	40		P1	02H	0.08			TEH	TEC
7	87	SAI	0.41	100		6	02H	0.03	0.51		02H	02H
7	88	DSI	1.05	39		P1	02H	-0.03			TEH	TEC
7	88	MAI	0.33	84		6	02H	0.09	0.56		02H	02H
7	90	DSI	0.79	61		P1	02H	-0.03			TEH	TEC
7	90	DSI	0.32	79		P1	04H	0.05			TEH	TEC
7	94	PCT	0.88	135	0	P1	01C	-0.28			TEH	TEC
8	4	DSI	0.84	80		P1	01H	0.13			TEH	TEC
8	4	DSI	0.97	55		P1	02H	0.09			TEH	TEC
8	4	DSI	0.66	121		P1	04H	0.07			TEH	TEC
8	4	DSI	0.54	105		P1	05H	0.24			TEH	TEC
8	4	MAI	0.54	111		6	02H	0.06	0.63		02H	02H
8	5	DSI	0.60	66		P1	01H	0.02			TEH	TEC
8	5	DSI	0.96	103		P1	02H	0.09			TEH	TEC
8	5	DSI	1.12	90		P1	03H	0.11			TEH	TEC
8	5	DSI	0.66	51		P1	04H	0.09			TEH	TEC
8	5	DSI	0.67	78		P1	05H	-0.04			TEH	TEC
8	6	DSI	0.95	43		P1	01H	0.00			TEH	TEC
8	6	DSI	1.21	72		P1	02H	0.04			TEH	TEC
8	6	DSI	0.39	92		P1	04H	0.07			TEH	TEC
8	6	MAI	0.69	92		6	01H	0.00	0.49		01H	01H
8	7	DSI	0.94	38		P1	01H	0.00			TEH	TEC
8	7	MAI	0.20	108		6	01H	0.01	0.49		01H	01H
8	10	DSI	0.67	51		P1	01H	0.08			TEH	TEC
8	10	DSI	0.91	25		P1	03H	0.00			TEH	TEC
8	10	DSI	0.15	74		P1	07H	-0.03			TEH	TEC
8	10	MAI	0.26	115		6	01H	0.06	0.35		01H	01H
8	10	SAI	0.24	93		6	03H	-0.03	0.29		03H	03H
8	11	DSI	0.90	53		P1	01H	0.03			TEH	TEC
8	11	DSI	1.07	54		P1	02H	-0.03			TEH	TEC
8	11	DSI	1.14	38		P1	03H	0.05			TEH	TEC
8	11	MAI	0.38	96		6	01H	0.00	0.62		01H	01H
8	11	MAI	0.33	96		6	02H	-0.07	0.53		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
8	11	MAI	0.17	95		6	03H	-0.05	0.54		03H	03H
8	13	DSI	0.83	53		P1	01H	0.00			TEH	TEC
8	13	DSI	1.11	30		P1	02H	0.00			TEH	TEC
8	13	MAI	0.29	99		6	01H	0.00	0.51		01H	01H
8	13	MAI	0.23	80		6	02H	-0.04	0.51		02H	02H
8	14	DSI	0.59	68		P1	01H	0.08			TEH	TEC
8	15	DSI	1.24	39		P1	01H	-0.03			TEH	TEC
8	15	DSI	1.06	16		P1	03H	0.05			TEH	TEC
8	15	MAI	0.36	104		6	01H	0.04	0.65		01H	01H
8	15	SAI	0.25	105		6	03H	-0.03	0.41		03H	03H
8	16	DSI	0.68	83		P1	01H	0.21			TEH	TEC
8	16	DSI	0.69	33		P1	02H	0.00			TEH	TEC
8	16	SAI	0.18	100		6	02H	-0.08	0.25		02H	02H
8	20	DSI	0.53	50		P1	02H	0.07			TEH	TEC
8	20	MAI	0.28	93		6	02H	-0.08	0.43		02H	02H
8	22	DSI	0.67	53		P1	02H	0.05			TEH	TEC
8	22	SAI	0.68	102		6	02H	0.04	0.48		02H	02H
8	23	DSI	0.85	37		P1	01H	0.03			TEH	TEC
8	23	MAI	0.43	93		6	01H	-0.01	0.66		01H	01H
8	25	DSI	0.68	26		P1	01H	0.07			TEH	TEC
8	25	DSI	0.88	86		P1	04H	-0.15			TEH	TEC
8	25	SAI	0.24	92		6	TSH	0.18	0.23		TSH	TSH
8	25	SAI	0.32	94		6	01H	-0.03	0.74		01H	01H
8	26	DSI	0.66	78		P1	03H	-0.18			2SH	TEC
8	26	DSI	1.01	64		P1	04H	-0.05			2SH	TEC
8	28	DSI	0.54	71		P1	01H	0.10			STH	TEC
8	29	DNI	0.40	40		5	01C	48.41			1SH	TEC
8	34	PTP	0.49	97		6	SBH	1.13			SBH	SBH
8	43	PTP	1.05	62		6	SBH	1.32			SBH	SBH
8	45	DSI	0.79	127		P1	01H	-0.20			TEH	TEC
8	45	DSI	0.36	91		P1	03H	0.05			TEH	TEC
8	47	DSI	0.73	149		P1	03H	0.05			TEH	TEC
8	48	DSI	0.47	102		P1	01H	0.00			TEH	TEC
8	49	DSI	1.02	70		P1	01H	-0.10			TEH	TEC
8	52	DSI	1.05	139		P1	01H	-0.05			TEH	TEC
8	52	DSI	0.92	100		P1	02H	-0.18			TEH	TEC
8	52	DSI	0.66	87		P1	03H	-0.13			TEH	TEC
8	52	SAI	0.19	80		6	TSH	0.13	0.27		TSH	TSH
8	53	DSI	0.43	91		P1	01H	-0.05			TEH	TEC
8	55	DSI	0.83	100		P1	01H	-0.13			TEH	TEC
8	55	DSI	0.61	78		P1	02H	-0.03			TEH	TEC
8	55	SCI	0.26	68		P2	TSH	-0.07		76	TSH	TSH
8	55	SAI	0.23	91		6	TSH	0.01	0.23		TSH	TSH
8	59	DSI	0.47	49		P1	02H	0.00			TEH	TEC
8	60	DSI	0.93	59		P1	01H	-0.12			TEH	TEC
8	61	DSI	0.57	42		P1	01H	0.06			TEH	TEC
8	61	DSI	0.62	26		P1	02H	0.00			TEH	TEC
8	61	SAI	0.45	107		6	01H	-0.02	0.48		01H	01H
8	61	MAI	0.39	85		6	02H	-0.16	0.60		02H	02H
8	65	DSI	0.41	24		P1	01H	0.04			TEH	TEC
8	65	DSI	1.19	38		P1	02H	0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
8	65	SAI	0.34	116		6	01H	-0.17	0.22		01H	01H
8	65	SAI	0.33	108		6	02H	0.10	0.41		02H	02H
8	66	DSI	0.36	142		P1	02H	-0.04			TEH	TEC
8	68	DSI	1.11	89		P1	01H	0.06			TEH	TEC
8	68	DSI	0.56	58		P1	02H	0.02			TEH	TEC
8	68	DSI	0.35	85		P1	04H	0.00			TEH	TEC
8	71	DSI	0.64	28		P1	01H	0.05			TEH	TEC
8	71	DSI	0.48	135		P1	03H	0.23			TEH	TEC
8	71	MAI	0.29	107		6	01H	-0.05	0.52		01H	01H
8	72	DSI	0.44	29		P1	01H	-0.02			TEH	TEC
8	72	DSI	0.66	68		P1	02H	0.00			TEH	TEC
8	72	DSI	0.84	85		P1	03H	-0.05			TEH	TEC
8	72	DSI	0.92	57		P1	05H	0.15			TEH	TEC
8	72	SAI	0.19	83		6	01H	-0.12	0.40		01H	01H
8	75	DSI	0.86	95		P1	01H	-0.15			TEH	TEC
8	75	DSI	0.75	33		P1	02H	0.05			TEH	TEC
8	75	MAI	0.41	95		6	02H	-0.06	0.48		02H	02H
8	77	DSI	0.60	132		P1	01H	-0.17			TEH	TEC
8	77	SPR	1.84	76		P1	03H	0.00			TEH	TEC
8	77	SAI	0.25	105		6	03H	0.05	0.37		03H	03H
8	80	DSI	1.33	60		P1	01H	0.05			TEH	TEC
8	80	DSO	0.62	120		P1	01H	0.43			TEH	TEC
8	80	MAI	0.46	102		6	01H	-0.09	0.24		01H	01H
8	80	SAI	0.59	90		6	01H	0.34	0.30		01H	01H
8	82	DSI	1.04	80		P1	02H	0.28			TEH	TEC
8	84	DSI	0.89	66		P1	03H	0.05			TEH	TEC
8	90	DSI	0.68	73		P1	02H	0.10			TEH	TEC
8	90	DSI	0.47	66		P1	03H	0.10			TEH	TEC
8	93	DSI	0.38	110		P1	01H	0.20			TEH	TEC
9	2	PCT	0.48	0	31	3	02C	0.04			02C	02C
9	2	VOL	0.93	84		6	02C	0.04			02C	02C
9	4	DSI	0.75	38		P1	02H	0.00			TEH	TEC
9	4	MAI	0.23	62		6	02H	0.02	0.56		02H	02H
9	5	SPR	1.51	66		P1	03H	0.00			TEH	TEC
9	5	SAI	0.25	117		6	03H	0.14	0.48		03H	03H
9	7	DSI	1.01	55		P1	01H	0.00			TEH	TEC
9	7	DSI	1.11	47		P1	02H	-0.04			TEH	TEC
9	7	MAI	0.38	98		6	01H	0.00	0.40		01H	01H
9	7	MAI	0.23	92		6	02H	-0.02	0.40		02H	02H
9	8	DSI	1.08	107		P1	02H	0.18			TEH	TEC
9	10	DSI	0.90	49		P1	03H	-0.05			TEH	TEC
9	10	MAI	0.37	104		6	03H	-0.11	0.31		03H	03H
9	11	DSI	0.22	102		P1	01H	0.08			TEH	TEC
9	11	DSI	0.39	77		P1	02H	-0.16			TEH	TEC
9	11	DSI	0.39	113		P1	03H	0.13			TEH	TEC
9	14	DSI	0.60	42		P1	01H	0.08			TEH	TEC
9	14	DSI	0.52	22		P1	02H	0.03			TEH	TEC
9	14	SAI	0.26	88		6	01H	0.01	0.29		01H	01H
9	14	SAI	0.27	112		6	02H	0.00	0.27		02H	02H
9	15	DSI	1.44	60		P1	01H	0.05			TEH	TEC
9	15	MAI	0.57	90		6	01H	0.05	0.56		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
9	16	DSI	2.05	100		P1	01H	0.13			TEH	TEC
9	16	DSI	1.05	104		P1	02H	0.00			TEH	TEC
9	16	SAI	0.67	99		6	01H	0.00	0.39		01H	01H
9	17	DSI	1.07	71		P1	01H	0.00			TEH	TEC
9	17	DSI	0.96	19		P1	02H	-0.03			TEH	TEC
9	17	MAI	0.21	99		6	02H	-0.02	0.30		02H	02H
9	17	SPR	1.54	146		P1	03H	0.00			TEH	TEC
9	17	SAI	0.18	119		6	03H	-0.02	0.36		03H	03H
9	18	DSI	0.53	41		P1	01H	0.13			TEH	TEC
9	18	DSI	0.62	24		P1	02H	-0.02			TEH	TEC
9	18	DSI	0.29	115		P1	05H	0.11			TEH	TEC
9	18	SAI	0.24	92		6	01H	-0.13	0.72		01H	01H
9	18	SAI	0.25	87		6	02H	0.17	0.32		02H	02H
9	21	DSI	1.00	55		P1	01H	-0.11			TEH	TEC
9	21	DSI	0.40	48		P1	02H	0.07			TEH	TEC
9	21	DSI	0.89	85		P1	03H	0.24			TEH	TEC
9	21	MAI	0.53	114		6	01H	-0.06	0.66		01H	01H
9	21	MAI	0.39	92		6	02H	0.08	0.69		01H	02H
9	32	PTP	1.97	70		6	SBH	1.41			SBH	SBH
9	32	PTP	0.49	59		6	SBH	2.14			SBH	SBH
9	32	NQI	0.18	113		3	01C	13.62			1SH	TEC
9	32	NQI	0.25	112		3	01C	15.50			1SH	TEC
9	32	DSI	0.56	49		P1	02H	0.00			1SH	TEC
9	32	SAI	0.74	77		2	02H	0.01	0.33		02H	02H
9	33	DSI	1.28	95		P1	01H	-0.10			STH	TEC
9	44	DSI	0.44	108		P1	01H	0.03			STH	TEC
9	46	DSI	0.46	100		P1	01H	0.03			STH	TEC
9	47	SAI	0.11	111		6	TSH	1.06	0.33		TSH	TSH
9	49	DSI	0.52	87		P1	01H	0.18			TEH	TEC
9	49	DSI	0.79	75		P1	03H	-0.10			TEH	TEC
9	51	DSI	0.68	91		P1	01H	-0.15			TEH	TEC
9	52	DSI	0.52	103		P1	01H	0.08			TEH	TEC
9	54	DSI	0.83	105		P1	02H	-0.10			TEH	TEC
9	55	DSI	0.76	77		P1	01H	-0.22			TEH	TEC
9	56	DSI	0.50	59		P1	02H	0.10			TEH	TEC
9	57	DSI	0.71	88		P1	01H	-0.18			TEH	TEC
9	57	DSI	0.71	81		P1	02H	0.13			TEH	TEC
9	62	DSI	0.99	45		P1	01H	-0.05			TEH	TEC
9	62	DSI	0.78	60		P1	02H	0.23			TEH	TEC
9	62	MAI	0.42	106		6	01H	-0.05	0.68		01H	01H
9	65	DSI	0.98	49		P1	01H	-0.05			TEH	TEC
9	65	MAI	0.48	114		6	01H	-0.11	0.42		01H	01H
9	68	DSI	0.50	56		P1	01H	0.05			TEH	TEC
9	68	DSI	0.82	100		P1	02H	0.20			TEH	TEC
9	69	DSI	0.64	71		P1	01H	0.03			TEH	TEC
9	71	DSI	0.58	44		P1	01H	0.08			TEH	TEC
9	71	SAI	0.44	99		6	01H	0.00	0.31		01H	01H
9	75	DSI	1.03	35		P1	01H	0.08			TEH	TEC
9	75	DSI	0.77	24		P1	04H	0.05			TEH	TEC
9	75	MAI	0.54	96		6	01H	-0.02	0.46		01H	01H
9	76	DSI	0.30	80		P1	02H	-0.31			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
9	76	DSI	0.60	79		P1	03H	-0.10			TEH	TEC
9	78	DSI	0.46	62		P1	01H	0.08			TEH	TEC
9	82	DSI	0.73	131		P1	01H	-0.13			TEH	TEC
9	84	DSI	0.90	111		P1	03H	-0.08			TEH	TEC
9	85	DSI	0.86	150		P1	01H	0.15			TEH	TEC
9	85	DSI	0.87	82		P1	03H	-0.20			TEH	TEC
9	85	DSI	0.82	76		P1	04H	0.08			TEH	TEC
9	88	DSI	1.29	61		P1	02H	0.13			TEH	TEC
9	88	DSI	0.35	117		P1	03H	0.15			TEH	TEC
9	88	DSI	0.47	62		P1	04H	-0.08			TEH	TEC
9	88	DSI	0.69	48		P1	05H	0.05			TEH	TEC
9	88	SAI	0.23	109		6	05H	-0.04	0.22		05H	05H
9	88	MAI	0.38	72		6	02H	0.14	0.33		02H	02H
9	90	DSI	0.45	102		P1	02H	0.10			TEH	TEC
9	90	DSI	0.67	90		P1	03H	-0.18			TEH	TEC
9	92	DSI	0.96	126		P1	02H	0.28			TEH	TEC
10	2	PCT	0.88	139	0	P1	02C	-0.13			TEH	TEC
10	3	DSI	1.30	81		P1	01H	0.05			TEH	TEC
10	3	PCT	0.42	136	0	P1	02C	-0.08			TEH	TEC
10	3	MAI	0.62	109		6	01H	0.11	0.55		01H	01H
10	4	DSI	1.42	82		P1	01H	0.16			TEH	TEC
10	4	DSI	1.03	49		P1	02H	0.05			TEH	TEC
10	4	MAI	0.54	94		6	02H	0.07	0.53		02H	02H
10	4	MAI	0.37	101		6	01H	0.05	0.35		01H	01H
10	6	DSI	0.42	86		P1	04H	-0.03			TEH	TEC
10	6	DSI	0.43	100		P1	05H	0.03			TEH	TEC
10	7	DSI	1.33	83		P1	01H	-0.05			TEH	TEC
10	7	DSI	1.00	93		P1	02H	0.03			TEH	TEC
10	7	DSI	0.51	89		P1	04H	0.10			TEH	TEC
10	7	MAI	0.80	89		6	01H	-0.15	0.41		01H	01H
10	8	DSI	0.74	76		P1	01H	0.00			TEH	TEC
10	8	DSI	0.33	44		P1	02H	0.00			TEH	TEC
10	8	DSI	0.59	47		P1	03H	0.00			TEH	TEC
10	8	FSI	0.39	82		3	04H	46.87			TEH	TEC
10	8	MAI	0.30	131		6	02H	0.05	0.59		02H	02H
10	8	MAI	0.38	108		6	03H	0.02	0.75		03H	03H
10	9	DSI	0.86	51		P1	01H	0.13			TEH	TEC
10	9	DSI	0.52	54		P1	03H	0.13			TEH	TEC
10	9	MAI	0.86	94		6	01H	0.05	0.60		01H	01H
10	9	SAI	0.36	100		6	03H	0.09	0.32		03H	03H
10	10	DSI	1.30	51		P1	01H	0.05			TEH	TEC
10	10	DSI	0.82	73		P1	03H	-0.05			TEH	TEC
10	10	MAI	0.49	111		6	01H	0.05	0.57		01H	01H
10	11	DSI	1.31	120		P1	01H	-0.13			TEH	TEC
10	11	DSI	1.22	77		P1	02H	-0.13			TEH	TEC
10	11	MAI	0.75	107		6	01H	-0.11	0.50		01H	01H
10	12	DSI	0.51	24		P1	01H	0.00			TEH	TEC
10	12	MAI	0.31	115		6	01H	-0.09	0.42		01H	01H
10	13	DSI	0.77	31		P1	02H	0.00			TEH	TEC
10	13	SAI	0.24	114		6	02H	0.20	0.40		02H	02H
10	15	DSI	1.08	65		P1	01H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
10	15	DSI	1.07	103		P1	02H	-0.10			TEH	TEC
10	16	DSI	1.54	75		P1	01H	0.03			TEH	TEC
10	16	DSI	1.37	27		P1	02H	0.03			TEH	TEC
10	16	DSI	1.35	67		P1	03H	-0.05			TEH	TEC
10	16	MAI	0.27	128		6	02H	-0.03	0.68		02H	02H
10	16	MAI	0.32	125		6	01H	-0.01	0.46		01H	01H
10	16	SAI	0.27	93		6	03H	-0.07	0.30		03H	03H
10	17	DSI	1.68	96		P1	02H	-0.16			1SH	TEC
10	17	DSI	0.86	102		P1	04H	-0.08			1SH	TEC
10	17	DSI	0.45	85		P1	06H	0.03			1SH	TEC
10	18	DSI	2.25	66		P1	01H	-0.02			TEH	TEC
10	18	DSI	0.86	38		P1	02H	-0.13			TEH	TEC
10	18	MAI	0.35	85		6	01H	0.11	0.69		01H	01H
10	19	DSI	0.55	26		P1	01H	0.03			TEH	TEC
10	20	DSI	0.58	151		P1	01H	-0.15			TEH	TEC
10	21	DSI	0.84	80		P1	01H	0.08			TEH	TEC
10	21	DSI	0.89	47		P1	03H	0.00			TEH	TEC
10	22	DSI	0.72	53		P1	02H	-0.08			TEH	TEC
10	22	MAI	0.27	102		6	02H	-0.11	0.30		02H	02H
10	23	DSI	1.64	60		P1	01H	0.10			TEH	TEC
10	23	MAI	0.50	103		6	01H	-0.11	0.60		01H	01H
10	38	DSI	0.81	83		P1	01H	0.00			STH	TEC
10	40	DSI	1.91	103		P1	01H	-0.05			STH	TEC
10	40	DSI	0.99	100		P1	02H	-0.08			STH	TEC
10	40	DSI	0.56	103		P1	03H	0.15			STH	TEC
10	40	DSI	0.38	98		P1	07C	0.03			STH	TEC
10	41	DSI	0.45	68		P1	04H	0.05			2SH	TEC
10	45	DSI	0.97	109		P1	01H	-0.15			STH	TEC
10	47	DSI	0.96	94		P1	01H	-0.20			STH	TEC
10	52	DSI	1.82	92		P1	02H	-0.15			1SH	TEC
10	52	PIU	0.56	10		P3	STH	-2.9			STH	STH
10	55	DSI	0.85	76		P1	01H	-0.15			TEH	TEC
10	55	DSI	0.64	59		P1	02H	0.00			TEH	TEC
10	57	DSI	2.04	57		P1	01H	-0.10			TEH	TEC
10	57	MAI	0.53	83		6	01H	-0.28	0.68		01H	01H
10	62	DSI	0.88	18		P1	01H	0.03			TEH	TEC
10	62	MAI	0.31	91		6	01H	-0.13	0.57		01H	01H
10	63	DSI	1.17	60		P1	01H	-0.10			TEH	TEC
10	68	DSI	0.61	28		P1	01H	0.03			TEH	TEC
10	68	DSI	0.65	36		P1	02H	0.08			TEH	TEC
10	68	SAI	0.13	106		6	01H	0.03	0.27		01H	01H
10	68	SAI	0.28	98		6	02H	0.08	0.41		02H	02H
10	68	SPR	1.50	86		P1	03H	0.03			TEH	TEC
10	68	SAI	0.33	108		6	03H	0.03	0.41		03H	03H
10	69	DSI	0.60	158		P1	01H	-0.07			TEH	TEC
10	69	DSI	0.40	62		P1	02H	0.10			TEH	TEC
10	72	DSI	0.84	43		P1	01H	0.05			TEH	TEC
10	72	DSI	1.19	36		P1	02H	0.13			TEH	TEC
10	72	DSI	0.45	53		P1	05H	0.00			TEH	TEC
10	72	SAI	0.18	109		6	01H	-0.11	0.56		01H	01H
10	72	MAI	0.12	98		6	02H	0.12	0.37		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
10	73	DSI	0.99	47		P1	01H	0.10			TEH	TEC
10	73	SAI	0.19	120		6	01H	0.10	0.35		01H	01H
10	74	DSI	0.37	29		P1	01H	0.08			TEH	TEC
10	74	SAI	0.17	98		6	TSH	0.08	0.23		TSH	TSH
10	74	SAI	0.26	101		6	01H	-0.11	0.45		01H	01H
10	75	DSI	0.60	37		P1	01H	0.00			TEH	TEC
10	76	DSI	1.20	38		P1	01H	-0.02			TEH	TEC
10	76	MAI	0.14	81		6	01H	-0.02	0.57		01H	01H
10	77	DSI	0.45	67		P1	01H	-0.05			TEH	TEC
10	77	DSI	0.74	106		P1	03H	-0.20			TEH	TEC
10	80	DSI	0.44	49		P1	02H	0.10			TEH	TEC
10	80	SAI	0.46	111		6	02H	0.05	0.41		02H	02H
10	81	DSI	0.29	90		P1	02H	-0.03			TEH	TEC
10	90	DSI	0.69	49		P1	02H	0.08			TEH	TEC
10	90	SAI	0.22	113		6	02H	0.00	0.23		02H	02H
10	92	PCT	0.55	131	0	P1	01C	-0.13			TEH	TEC
11	4	DSI	0.74	77		P1	01H	0.09			TEH	TEC
11	4	DSI	0.72	52		P1	03H	0.06			TEH	TEC
11	4	MAI	0.30	113		6	03H	0.14	0.63		03H	03H
11	4	PCT	0.42	0	28	3	01C	-0.09			01C	01C
11	4	VOL	0.55	59		6	01C	-0.14			01C	01C
11	6	DSI	0.59	157		P1	02H	0.13			TEH	TEC
11	8	DSI	0.66	54		P1	01H	0.08			TEH	TEC
11	8	MAI	0.53	96		6	01H	0.08	0.66		01H	01H
11	10	DSI	0.46	40		P1	02H	0.05			TEH	TEC
11	10	MAI	0.21	111		6	02H	-0.05	0.48		02H	02H
11	11	DSI	1.05	52		P1	01H	-0.19			TEH	TEC
11	11	SAI	0.42	91		6	01H	-0.23	0.57		01H	01H
11	12	SPR	1.50	128		P1	02H	0.00			TEH	TEC
11	12	SAI	0.24	122		6	02H	0.05	0.31		02H	02H
11	13	DSI	0.69	34		P1	01H	-0.03			TEH	TEC
11	13	DSI	1.09	46		P1	03H	-0.05			TEH	TEC
11	13	SAI	0.33	92		6	01H	0.01	0.58		01H	01H
11	14	DSI	0.67	100		P1	01H	-0.05			TEH	TEC
11	14	DSI	0.56	29		P1	02H	-0.05			TEH	TEC
11	14	DSI	0.54	38		P1	03H	0.00			TEH	TEC
11	16	DSI	0.90	111		P1	01H	-0.08			TEH	TEC
11	16	DSI	0.70	44		P1	02H	-0.03			TEH	TEC
11	16	MAI	0.22	101		6	02H	0.03	0.57		02H	02H
11	18	DSI	0.59	52		P1	01H	-0.05			TEH	TEC
11	18	MAI	0.22	110		6	01H	-0.13	0.45		01H	01H
11	21	DSI	1.18	72		P1	01H	-0.03			TEH	TEC
11	21	DSI	0.95	56		P1	02H	0.03			TEH	TEC
11	23	DSI	0.64	101		P1	01H	0.00			TEH	TEC
11	24	DSI	1.43	32		P1	01H	0.05			TEH	TEC
11	24	MAI	0.34	94		6	01H	-0.05	0.46		01H	01H
11	26	DSI	1.09	74		P1	02H	-0.10			1SH	TEC
11	26	DSI	0.77	75		P1	03H	-0.05			1SH	TEC
11	26	DSI	0.33	79		P1	05H	0.10			1SH	TEC
11	28	DSI	0.53	42		P1	02H	0.05			1SH	TEC
11	28	SAI	0.39	119		2	02H	0.06	0.30		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
11	32	NQI	0.19	74		3	06H	2.34			1SH	TEC
11	33	DSI	0.52	71		P1	02H	0.10			1SH	TEC
11	33	DSI	1.26	114		P1	03H	-0.23			1SH	TEC
11	37	DSI	0.97	72		P1	02H	-0.15			1SH	TEC
11	39	DSI	0.63	76		P1	01H	-0.05			STH	TEC
11	42	DSI	0.80	71		P1	02H	-0.05			1SH	TEC
11	44	DSI	0.83	108		P1	01H	-0.10			STH	TEC
11	44	DSI	0.54	108		P1	02H	-0.08			STH	TEC
11	46	DSI	0.64	133		P1	02H	-0.09			1SH	TEC
11	46	PIU	0.54	19		P3	1UH	-2.21			1UH	1UH
11	46	PIU	0.56	9		P3	STH	-2.05			STH	STH
11	47	DSI	1.23	96		P1	01H	-0.15			STH	TEC
11	47	DSI	0.74	96		P1	02H	-0.20			STH	TEC
11	50	PTA	0.72	58		P5	STH	-3.56			STH	STH
11	53	DSI	0.72	55		P1	01H	-0.15			STH	TEC
11	53	SAI	0.60	82		2	01H	0.00	0.41		01H	01H
11	56	DSI	0.60	28		P1	02H	0.10			TEH	TEC
11	56	SAI	0.10	103		6	TSH	0.07	0.18		TSH	TSH
11	56	SAI	0.12	60		6	02H	0.04	0.26		02H	02H
11	57	DSI	1.20	27		P1	01H	0.08			TEH	TEC
11	57	SAI	0.18	121		6	01H	-0.08	0.45		01H	01H
11	59	DSI	1.16	73		P1	01H	0.03			TEH	TEC
11	59	DSI	0.47	54		P1	02H	0.13			TEH	TEC
11	59	SAI	0.10	80		6	TSH	0.19	0.18		TSH	TSH
11	63	DSI	0.95	78		P1	01H	0.21			TEH	TEC
11	63	DSI	0.35	102		P1	02H	-0.21			TEH	TEC
11	63	DSI	0.51	117		P1	04H	-0.18			TEH	TEC
11	63	MAI	0.23	81		6	TSH	-0.03	0.18		TSH	TSH
11	66	DSI	1.17	54		P1	01H	-0.08			TEH	TEC
11	66	SAI	0.43	105		6	01H	0.04	0.56		01H	01H
11	67	DSI	0.52	99		P1	01H	0.23			TEH	TEC
11	67	DSI	0.65	67		P1	02H	-0.03			TEH	TEC
11	67	DSI	0.58	90		P1	03H	0.28			TEH	TEC
11	72	DSI	1.22	29		P1	01H	0.05			TEH	TEC
11	72	MAI	0.26	85		6	01H	0.01	0.42		01H	01H
11	74	DSI	0.90	58		P1	01H	-0.03			TEH	TEC
11	76	DSI	0.45	39		P1	01H	0.03			TEH	TEC
11	76	SAI	0.26	96		6	01H	-0.05	0.20		01H	01H
11	88	DSI	0.61	53		P1	02H	0.13			TEH	TEC
11	88	SAI	0.30	81		6	02H	-0.10	0.26		02H	02H
11	93	PCT	0.71	141	0	P1	03C	-0.15			TEH	TEC
12	2	DSI	0.42	40		P1	01H	0.00			TEH	TEC
12	2	SAI	0.21	95		6	01H	0.17	0.21		01H	01H
12	2	MAI	0.27	100		6	01H	0.05	0.21		01H	01H
12	4	PCT	0.41	0	28	3	02C	0.13			02C	02C
12	4	VOL	0.63	66		6	02C	0.21			02C	02C
12	5	DSI	0.64	115		P1	01H	0.18			TEH	TEC
12	5	DSI	0.51	50		P1	03H	0.05			TEH	TEC
12	5	MAI	0.23	77		6	03H	0.01	0.73		03H	03H
12	6	DSI	0.79	46		P1	01H	-0.10			TEH	TEC
12	6	MAI	0.38	100		6	01H	-0.10	0.49		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
12	7	DSI	0.56	49		P1	02H	0.05			TEH	TEC
12	7	SAI	0.32	101		6	02H	0.07	0.51		02H	02H
12	8	DSI	0.97	113		P1	01H	-0.08			TEH	TEC
12	8	DSI	1.47	78		P1	02H	0.00			TEH	TEC
12	8	DSI	1.13	107		P1	03H	0.28			TEH	TEC
12	8	DSI	0.75	96		P1	04H	-0.03			TEH	TEC
12	8	DSI	0.63	79		P1	07H	-0.13			TEH	TEC
12	8	WAR	0.33	122		2	07H	35.54			07H	07C
12	8	SAI	0.24	103		2	07H	-0.13	0.16		07H	07C
12	8	WAR	0.37	110		2	07H	19.56			07H	07C
12	8	MAI	0.67	88		6	02H	-0.10	0.57		02H	02H
12	9	DSI	1.41	23		P1	01H	-0.05			TEH	TEC
12	9	MAI	0.43	97		6	01H	-0.06	0.39		01H	01H
12	10	DSI	1.02	34		P1	02H	0.00			TEH	TEC
12	10	SPR	1.79	81		P1	01H	0.00			TEH	TEC
12	10	SAI	0.28	127		6	01H	-0.15	0.45		01H	01H
12	10	MAI	0.28	127		6	02H	-0.16	0.49		02H	02H
12	14	DSI	0.95	35		P1	01H	0.00			TEH	TEC
12	14	MAI	0.28	110		6	01H	-0.08	0.38		01H	01H
12	18	DSI	1.59	27		P1	01H	0.03			TEH	TEC
12	18	DSI	0.85	60		P1	02H	-0.10			TEH	TEC
12	18	SAI	0.35	85		6	01H	-0.28	0.32		01H	01H
12	19	DSI	0.50	94		P1	01H	-0.13			TEH	TEC
12	19	DSI	0.69	43		P1	02H	0.03			TEH	TEC
12	19	MAI	0.24	106		6	02H	-0.05	0.58		02H	02H
12	21	DSI	1.01	99		P1	01H	-0.05			TEH	TEC
12	21	DSI	1.17	86		P1	02H	-0.13			TEH	TEC
12	21	DSI	0.80	96		P1	03H	-0.15			TEH	TEC
12	23	DSI	0.75	63		P1	01H	0.05			TEH	TEC
12	24	DSI	1.23	27		P1	01H	0.08			TEH	TEC
12	24	DSI	0.78	47		P1	02H	0.05			TEH	TEC
12	24	SAI	0.13	111		6	01H	0.01	0.37		01H	01H
12	24	SAI	0.21	89		6	02H	0.03	0.33		02H	02H
12	33	DSI	0.45	74		P1	01H	0.00			STH	TEC
12	36	SAI	0.09	94		6	TSH	3.19	0.18		TSH	TSH
12	37	DSI	0.62	29		P1	01H	0.03			STH	TEC
12	37	SAI	1.10	92		2	01H	0.03	0.44		01H	01H
12	40	DSI	1.37	84		P1	01H	-0.03			STH	TEC
12	41	DSI	0.65	82		P1	01H	0.00			TEH	TEC
12	41	NQI	0.39	136		P1	TSH	1.19			TEH	TEC
12	41	MAI	0.16	97		6	TSH	1.94	0.41		TSH	TSH
12	41	MAI	0.21	82		6	TSH	1.47	0.28		TSH	TSH
12	42	PTP	1.67	68		6	SBH	1.20			SBH	SBH
12	42	DSI	0.63	92		P1	01H	0.00			STH	TEC
12	44	DSI	0.78	101		P1	03H	-0.18			2SH	TEC
12	44	PIU	0.53	3		P3	1UH	-2.05			1UH	1UH
12	44	PIU	0.52	11		P3	STH	-2.01			STH	STH
12	46	DSI	0.80	101		P1	01H	-0.23			STH	TEC
12	46	DSI	0.79	165		P1	02H	-0.03			STH	TEC
12	46	DSI	0.62	12		P1	07H	0.06			STH	TEC
12	47	DSI	0.70	105		P1	01H	-0.08			STH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
12	48	DSI	0.68	114		P1	01H	0.00			STH	TEC
12	49	DSI	0.83	96		P1	01H	-0.07			STH	TEC
12	51	DSI	0.94	92		P1	02H	-0.13			1SH	TEC
12	51	DSI	0.36	96		P1	04H	-0.16			1SH	TEC
12	54	DSI	1.71	55		P1	01H	0.10			TEH	TEC
12	54	DSI	0.38	71		P1	02H	0.08			TEH	TEC
12	54	MAI	0.44	93		6	01H	-0.26	0.35		01H	01H
12	55	DSI	1.18	34		P1	01H	0.00			TEH	TEC
12	55	MAI	0.36	100		6	01H	0.05	0.42		01H	01H
12	56	DSI	0.83	58		P1	01H	0.13			TEH	TEC
12	56	DSI	0.59	94		P1	02H	-0.05			TEH	TEC
12	57	DSI	0.50	123		P1	01H	0.18			TEH	TEC
12	57	DSI	0.39	39		P1	02H	0.03			TEH	TEC
12	57	DNI	0.85	101		5	04C	16.18			TEH	TEC
12	57	DNI	0.54	86		5	04C	3.55			TEH	TEC
12	57	SAI	0.18	88		6	02H	-0.11	0.42		02H	02H
12	59	DSI	0.84	54		P1	01H	0.13			TEH	TEC
12	59	DSI	0.59	137		P1	02H	0.03			TEH	TEC
12	59	MAI	0.45	99		6	01H	0.12	0.65		01H	01H
12	60	DSI	0.52	31		P1	01H	0.00			TEH	TEC
12	60	SAI	0.14	102		6	01H	-0.05	0.29		01H	01H
12	61	DSI	0.56	105		P1	01H	-0.08			TEH	TEC
12	62	DSI	1.06	55		P1	01H	0.03			TEH	TEC
12	62	DSI	1.03	66		P1	02H	0.20			TEH	TEC
12	62	MAI	0.31	101		6	01H	-0.02	0.69		01H	01H
12	64	DSI	0.82	63		P1	02H	-0.15			TEH	TEC
12	66	DSI	0.51	63		P1	02H	0.08			TEH	TEC
12	70	DSI	1.09	36		P1	02H	0.05			TEH	TEC
12	70	SAI	0.42	106		6	02H	0.04	0.53		02H	02H
12	73	DSI	0.45	30		P1	01H	0.03			TEH	TEC
12	73	MAI	0.52	97		6	01H	0.03	0.51		01H	01H
12	76	DSI	0.79	41		P1	01H	-0.05			TEH	TEC
12	76	SAI	0.31	119		6	01H	-0.07	0.45		01H	01H
12	77	DSI	0.94	61		P1	02H	-0.10			TEH	TEC
12	78	DSI	0.64	87		P1	01H	0.15			TEH	TEC
12	78	DSI	1.10	72		P1	02H	-0.03			TEH	TEC
12	82	DSI	0.51	95		P1	03H	0.26			TEH	TEC
12	84	DSI	0.88	149		P1	01H	0.03			TEH	TEC
12	84	DSI	0.82	52		P1	03H	0.18			TEH	TEC
12	84	MAI	0.21	87		6	03H	0.05	0.22		03H	03H
12	87	SPR	1.61	128		P1	02H	0.00			TEH	TEC
12	87	MAI	0.59	38		6	02H	-0.03	0.29		02H	02H
12	88	DSI	0.65	52		P1	02H	-0.03			TEH	TEC
12	88	SAI	0.21	94		6	02H	0.17	0.28		02H	02H
12	90	DSI	0.32	74		P1	07H	0.15			TEH	TEC
12	92	PCT	1.18	121	9	P1	01C	-0.15			TEH	TEC
13	3	DSI	1.29	81		P1	01H	-0.02			TEH	TEC
13	3	MAI	0.29	102		6	01H	0.00	0.70		01H	01H
13	4	DSI	0.88	35		P1	01H	0.00			TEH	TEC
13	4	DSI	0.37	47		P1	02H	0.03			TEH	TEC
13	4	MAI	0.27	99		6	01H	-0.03	0.61		01H	01H

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(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
13	4	MAI	0.11	127		6	02H	-0.10	0.51		02H	02H
13	6	DSI	0.76	48		P1	01H	0.05			TEH	TEC
13	6	MAI	0.29	93		6	01H	0.01	0.68		01H	01H
13	7	DSI	0.61	72		P1	02H	-0.03			TEH	TEC
13	8	DSI	0.38	24		P1	02H	-0.03			TEH	TEC
13	8	MAI	0.14	105		6	02H	-0.09	0.19		02H	02H
13	9	DSI	1.03	55		P1	01H	-0.05			TEH	TEC
13	9	DSI	0.54	78		P1	02H	0.21			TEH	TEC
13	9	DSI	0.56	65		P1	05H	0.10			TEH	TEC
13	9	MAI	0.43	101		6	01H	0.02	0.53		01H	01H
13	10	DSI	0.97	22		P1	01H	0.05			TEH	TEC
13	10	DSI	0.31	101		P1	02H	-0.03			TEH	TEC
13	10	MAI	0.53	91		6	01H	-0.22	0.69		01H	01H
13	11	DSI	0.44	49		P1	01H	-0.05			TEH	TEC
13	11	DSI	0.55	98		P1	02H	-0.18			TEH	TEC
13	11	SAI	0.24	98		6	01H	0.00	0.40		01H	01H
13	12	DSI	0.62	44		P1	01H	0.08			TEH	TEC
13	12	DSI	1.01	41		P1	02H	0.11			TEH	TEC
13	12	MAI	0.38	98		6	01H	0.00	0.53		01H	01H
13	12	MAI	0.25	119		6	02H	-0.10	0.60		02H	02H
13	13	DSI	0.50	50		P1	02H	0.03			TEH	TEC
13	13	MAI	0.25	93		6	02H	0.00	0.47		02H	02H
13	15	DSI	0.73	93		P1	01H	-0.15			TEH	TEC
13	15	DSI	0.66	30		P1	02H	-0.08			TEH	TEC
13	15	SAI	0.23	111		6	02H	0.07	0.49		02H	02H
13	16	DSI	0.76	35		P1	02H	0.03			TEH	TEC
13	16	SAI	0.29	125		6	02H	-0.12	0.46		02H	02H
13	17	DSI	0.83	47		P1	01H	-0.08			TEH	TEC
13	17	MAI	0.39	97		6	01H	-0.13	0.46		01H	01H
13	19	DSI	0.86	75		P1	01H	0.00			TEH	TEC
13	19	DSI	0.42	77		P1	02H	0.13			TEH	TEC
13	21	DSI	0.56	44		P1	01H	0.08			TEH	TEC
13	21	DSI	1.06	55		P1	02H	0.13			TEH	TEC
13	21	DSI	0.87	110		P1	03H	0.28			TEH	TEC
13	21	SAI	0.39	99		6	01H	0.10	0.66		01H	01H
13	21	SAI	0.31	96		6	02H	-0.05	0.48		02H	02H
13	22	DSI	0.98	84		P1	01H	0.05			TEH	TEC
13	22	DSI	0.16	106		P1	02H	0.08			TEH	TEC
13	22	DSI	0.67	110		P1	04H	-0.20			TEH	TEC
13	26	DSI	0.71	81		P1	01H	-0.20			STH	TEC
13	26	DSI	0.16	43		P1	02H	0.03			STH	TEC
13	27	DSI	1.62	30		P1	01H	-0.03			TEH	TEC
13	27	DSI	0.71	56		P1	03H	-0.13			TEH	TEC
13	27	MAI	0.25	91		6	01H	0.08	0.53		01H	01H
13	30	PTP	1.51	66		6	SBH	0.94			SBH	SBH
13	30	DSI	1.00	47		P1	01H	-0.05			STH	TEC
13	30	SAI	0.99	97		2	01H	0.00	0.44		01H	01H
13	32	DSI	1.36	75		P1	01H	-0.14			STH	TEC
13	33	DSI	0.53	96		P1	02H	-0.05			1SH	TEC
13	34	SAI	0.15	85		6	TSH	2.54	0.73		TSH	TSH
13	34	SAI	0.14	102		6	TSH	2.92	0.36		TSH	TSH

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(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
13	35	PTP	1.42	55		6	SBH	1.40			SBH	SBH
13	35	DSI	0.41	101		P1	01H	-0.18			STH	TEC
13	36	DSI	0.90	91		P1	01H	-0.03			STH	TEC
13	38	DSI	1.08	82		P1	01H	0.00			STH	TEC
13	43	DSI	1.03	72		P1	01H	0.00			STH	TEC
13	49	DSI	0.68	117		P1	01H	0.08			STH	TEC
13	55	DSI	0.85	112		P1	01H	0.15			TEH	TEC
13	56	DSI	0.91	73		P1	01H	0.00			TEH	TEC
13	58	DSI	0.60	72		P1	01H	0.20			TEH	TEC
13	62	DSI	1.60	53		P1	01H	-0.05			TEH	TEC
13	62	MAI	0.44	95		6	01H	0.04	0.62		01H	01H
13	63	DSI	0.63	71		P1	01H	-0.05			TEH	TEC
13	64	DSI	0.86	30		P1	01H	-0.03			TEH	TEC
13	64	MAI	0.55	89		6	01H	-0.09	0.71		01H	01H
13	65	DSI	0.36	38		P1	01H	0.00			TEH	TEC
13	65	SAI	0.13	101		6	01H	0.00	0.32		01H	01H
13	66	DSI	0.73	29		P1	01H	-0.05			TEH	TEC
13	66	SAI	0.33	95		6	01H	-0.05	0.46		01H	01H
13	67	DSI	0.79	51		P1	01H	0.03			TEH	TEC
13	67	MAI	0.28	103		6	01H	0.03	0.38		01H	01H
13	68	DSI	0.54	34		P1	01H	0.00			TEH	TEC
13	68	SAI	0.63	100		6	01H	0.00	0.54		01H	01H
13	70	DSI	0.75	105		P1	03H	-0.18			TEH	TEC
13	72	DSI	0.92	32		P1	01H	0.00			TEH	TEC
13	72	DSI	0.58	31		P1	02H	0.03			TEH	TEC
13	72	SAI	0.17	111		6	01H	-0.16	0.34		01H	01H
13	72	SAI	0.16	104		6	02H	-0.05	0.22		02H	02H
13	78	DSI	0.74	83		P1	02H	-0.18			TEH	TEC
13	83	DSI	0.66	31		P1	02H	0.05			TEH	TEC
13	83	SAI	0.35	103		6	02H	0.10	0.41		02H	02H
13	85	DSI	0.85	59		P1	02H	0.03			TEH	TEC
13	85	DSI	0.57	49		P1	04H	-0.05			TEH	TEC
13	85	SAI	0.23	115		6	04H	-0.03	0.48		04H	04H
13	86	DSI	0.55	49		P1	02H	0.13			TEH	TEC
13	86	SAI	0.46	88		6	02H	0.09	0.33		02H	02H
13	92	PCT	0.53	133	0	P1	01C	-0.20			TEH	TEC
14	3	PCT	0.69	120	13	P1	01C	-0.09			TEH	TEC
14	3	PCT	0.54	133	0	P1	02C	-0.09			TEH	TEC
14	3	PSI	17.78	163		8	07H	-0.27			TEH	TEC
14	3	CSI	0.14	74		11	07H	0.01		41	07H	07H
14	6	DSI	1.96	92		P1	01H	0.00			TEH	TEC
14	6	DSI	0.88	63		P1	03H	0.00			TEH	TEC
14	6	DSI	0.53	52		P1	07H	0.00			TEH	TEC
14	6	MAI	0.93	95		6	01H	0.01	0.33		01H	01H
14	6	SAI	0.23	91		6	07H	-0.07	0.39		07H	07H
14	7	DSI	0.42	74		P1	01H	0.03			TEH	TEC
14	8	DSI	0.77	45		P1	01H	-0.05			TEH	TEC
14	8	MAI	0.45	99		6	01H	0.24	0.59		01H	01H
14	9	DSI	1.06	55		P1	01H	0.03			TEH	TEC
14	9	MAI	0.47	99		6	01H	-0.01	0.51		01H	01H
14	12	DSI	0.84	67		P1	01H	0.08			TEH	TEC

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(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
14	12	SPR	1.51	93		P1	02H	0.00			TEH	TEC
14	12	MAI	0.28	92		6	02H	0.00	0.56		02H	02H
14	13	DSI	1.00	91		P1	01H	-0.16			TEH	TEC
14	15	DSI	1.02	39		P1	01H	-0.05			TEH	TEC
14	15	MAI	0.35	102		6	01H	-0.02	0.57		01H	01H
14	16	DSI	0.36	65		P1	02H	-0.05			TEH	TEC
14	17	DSI	0.94	44		P1	02H	-0.03			TEH	TEC
14	17	MAI	0.27	97		6	02H	-0.11	0.60		02H	02H
14	18	DSI	0.60	59		P1	01H	0.05			TEH	TEC
14	18	DSI	0.76	26		P1	02H	0.05			TEH	TEC
14	18	DSI	0.23	34		P1	07H	0.03			TEH	TEC
14	18	SAI	0.24	85		6	02H	0.01	0.53		02H	02H
14	19	DSI	0.46	65		P1	02H	0.03			TEH	TEC
14	20	DSI	0.57	47		P1	01H	0.17			TEH	TEC
14	20	SAI	0.41	102		6	01H	-0.06	0.54		01H	01H
14	21	DSI	1.14	69		P1	01H	0.05			TEH	TEC
14	21	DSI	0.36	87		P1	02H	0.00			TEH	TEC
14	22	DSI	0.90	37		P1	02H	-0.05			TEH	TEC
14	22	SAI	0.27	83		6	02H	0.01	0.31		02H	02H
14	24	DSI	0.66	113		P1	04H	-0.23			TEH	TEC
14	29	DSI	0.71	58		P1	01H	0.13			STH	TEC
14	31	DSI	0.79	55		P1	01H	0.05			STH	TEC
14	31	MAI	2.08	86		2	01H	0.00	0.56		01H	01H
14	33	PTP	1.05	74		6	SBH	1.20			SBH	SBH
14	34	PTP	0.98	63		6	SBH	1.20			SBH	SBH
14	34	DSI	1.50	61		P1	03H	-0.08			2SH	TEC
14	36	DSI	1.08	49		P1	02H	-0.10			1SH	TEC
14	36	SAI	0.72	85		2	02H	-0.17	0.39		02H	02H
14	37	DSI	1.28	82		P1	02H	-0.13			1SH	TEC
14	38	PTP	1.43	58		6	SBH	1.04			SBH	SBH
14	38	DSI	1.21	101		P1	02H	-0.23			1SH	TEC
14	39	DSI	0.84	100		P1	03H	-0.15			2SH	TEC
14	39	PIU	0.19	42		P3	STH	-1.93			STH	STH
14	40	DSI	0.97	89		P1	01H	0.25			STH	TEC
14	47	DSI	0.86	79		P1	01H	0.00			STH	TEC
14	47	DSI	1.00	103		P1	02H	-0.03			STH	TEC
14	49	DSI	0.88	82		P1	01H	-0.05			STH	TEC
14	50	DSI	1.11	41		P1	01H	-0.05			STH	TEC
14	50	DSI	0.98	42		P1	02H	-0.03			STH	TEC
14	50	SAI	0.98	114		2	01H	-0.12	0.70		01H	01H
14	50	SAI	0.85	110		2	02H	0.20	0.67		02H	02H
14	50	MAI	0.90	103		2	01H	-0.17	0.61		01H	01H
14	51	PTP	0.60	114		P5	SBH	0.18			SBH	SBH
14	51	PTA	0.42	46		P5	STH	-4.13			STH	STH
14	51	PTA	0.49	51		P5	STH	-3.39			STH	STH
14	51	DSI	0.25	78		P1	01H	0.00			STH	TEC
14	52	DSI	0.93	116		P1	01H	-0.05			STH	TEC
14	53	PTA	0.55	89		P5	STH	-4.19			STH	STH
14	56	DSI	2.15	62		P1	01H	0.08			TEH	TEC
14	56	MAI	0.49	98		6	01H	0.00	0.66		01H	01H
14	58	DSI	0.70	116		P1	01H	-0.22			TEH	TEC

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(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
14	59	DSI	1.62	88		P1	01H	-0.12			TEH	TEC
14	59	DSI	1.19	72		P1	02H	0.13			TEH	TEC
14	59	MAI	0.67	94		6	01H	-0.14	0.59		01H	01H
14	63	DSI	1.19	59		P1	01H	-0.05			TEH	TEC
14	63	DSI	1.09	111		P1	02H	0.03			TEH	TEC
14	64	DSI	0.59	89		P1	01H	-0.07			TEH	TEC
14	64	DSI	0.31	57		P1	03H	0.00			TEH	TEC
14	67	DSI	1.00	50		P1	01H	0.03			TEH	TEC
14	67	DSI	0.54	125		P1	02H	-0.03			TEH	TEC
14	67	MAI	0.76	92		6	01H	-0.02	0.56		01H	01H
14	68	DSI	1.05	24		P1	01H	0.03			TEH	TEC
14	68	MAI	0.32	100		6	01H	-0.32	0.45		01H	01H
14	69	DSI	0.63	34		P1	01H	0.00			TEH	TEC
14	70	DSI	0.45	78		P1	02H	0.08			TEH	TEC
14	73	DSI	0.43	34		P1	02H	0.08			TEH	TEC
14	73	MAI	0.45	105		6	02H	0.08	0.70		02H	02H
14	74	DSI	1.57	80		P1	01H	0.15			TEH	TEC
14	74	DSI	0.39	56		P1	02H	0.05			TEH	TEC
14	74	MAI	0.32	92		6	01H	0.11	0.38		01H	01H
14	75	DSI	0.63	40		P1	02H	0.13			TEH	TEC
14	75	SAI	0.14	80		6	02H	0.13	0.24		02H	02H
14	79	DSI	0.71	30		P1	01H	0.10			TEH	TEC
14	84	DSI	0.47	22		P1	01H	0.03			TEH	TEC
14	84	DSI	0.81	52		P1	03H	0.03			TEH	TEC
14	84	MAI	0.35	92		6	03H	0.02	0.37		03H	03H
14	87	DSI	1.07	60		P1	02H	0.18			TEH	TEC
14	92	PSI	11.83	327		8	01C	0.02			TEH	TEC
14	92	PCT	0.50	0	33	3	01C	-0.08			01C	01C
14	92	VOL	0.95	56		6	01C	-0.08			01C	01C
15	3	DSI	1.24	53		P1	01H	0.05			TEH	TEC
15	3	MAI	0.44	105		6	01H	0.15	0.56		01H	01H
15	6	DSI	0.34	49		P1	01H	-0.03			TEH	TEC
15	6	MAI	0.24	121		6	01H	0.04	0.63		01H	01H
15	8	DSI	0.63	62		P1	01H	0.00			TEH	TEC
15	9	DSI	0.73	119		P1	01H	-0.10			TEH	TEC
15	9	DSI	0.75	95		P1	02H	-0.18			TEH	TEC
15	13	DSI	0.78	46		P1	01H	0.00			TEH	TEC
15	13	MAI	0.19	127		6	01H	-0.15	0.36		01H	01H
15	22	DSI	0.45	23		P1	02H	0.15			TEH	TEC
15	22	SAI	0.32	104		6	02H	0.08	0.40		02H	02H
15	24	DSI	0.98	107		P1	01H	0.15			STH	TEC
15	26	DSI	0.89	32		P1	01H	0.15			TEH	TEC
15	26	SAI	0.59	94		6	01H	0.08	0.72		01H	01H
15	27	DSI	0.63	17		P1	01H	0.08			TEH	TEC
15	27	SAI	0.19	100		6	01H	0.02	0.37		01H	01H
15	28	DSI	1.95	45		P1	01H	0.00			TEH	TEC
15	28	SAI	1.14	76		6	01H	0.02	0.41		01H	01H
15	29	DSI	1.20	48		P1	01H	-0.05			STH	TEC
15	29	SAI	1.28	100		2	01H	0.06	0.47		01H	01H
15	30	DSI	1.30	84		P1	01H	0.15			STH	TEC
15	43	DSI	0.84	57		P1	01H	0.05			STH	TEC

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(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
15	46	DSI	0.75	58		P1	01H	0.05			STH	TEC
15	52	DSI	0.87	96		P1	01H	0.30			TEH	TEC
15	53	DSI	0.83	87		P1	01H	-0.15			TEH	TEC
15	54	DSI	0.48	47		P1	01H	-0.02			TEH	TEC
15	54	SAI	0.47	93		6	01H	-0.10	0.52		01H	01H
15	57	DSI	1.51	48		P1	01H	0.05			TEH	TEC
15	57	MAI	0.60	96		6	01H	0.16	0.46		01H	01H
15	58	DSI	0.63	42		P1	01H	0.08			TEH	TEC
15	58	MAI	0.43	100		6	01H	0.06	0.48		01H	01H
15	59	DSI	1.72	61		P1	01H	0.00			TEH	TEC
15	59	MAI	0.60	96		6	01H	0.03	0.19		01H	01H
15	60	DSI	0.98	56		P1	01H	0.05			TEH	TEC
15	61	DSI	1.37	35		P1	01H	0.05			TEH	TEC
15	61	MAI	0.20	76		6	01H	0.02	0.53		01H	01H
15	62	DSI	1.06	56		P1	01H	0.08			TEH	TEC
15	63	DSI	1.10	54		P1	01H	0.20			TEH	TEC
15	63	SAI	0.44	93		6	01H	0.07	0.35		01H	01H
15	64	DSI	1.19	71		P1	01H	0.13			TEH	TEC
15	65	DSI	0.91	82		P1	01H	0.10			TEH	TEC
15	66	DSI	0.74	72		P1	01H	0.03			TEH	TEC
15	66	DSI	0.54	112		P1	02H	0.15			TEH	TEC
15	67	DSI	0.50	21		P1	01H	-0.08			TEH	TEC
15	67	SAI	0.22	85		6	01H	-0.08	0.35		01H	01H
15	68	DSI	0.40	91		P1	02H	0.03			TEH	TEC
15	70	DSI	0.57	78		P1	01H	0.00			TEH	TEC
15	70	DSI	0.72	49		P1	02H	0.03			TEH	TEC
15	70	SAI	0.52	116		6	02H	0.08	0.42		02H	02H
15	72	DSI	0.47	17		P1	01H	0.15			TEH	TEC
15	72	SAI	0.23	75		6	01H	-0.19	0.21		01H	01H
15	73	DSI	1.06	29		P1	01H	0.00			TEH	TEC
15	73	SAI	0.39	97		6	01H	0.02	0.35		01H	01H
15	74	DSI	1.34	51		P1	01H	-0.03			TEH	TEC
15	74	DSI	1.45	84		P1	02H	0.31			TEH	TEC
15	74	DSI	1.41	77		P1	04H	-0.28			TEH	TEC
15	74	DSI	1.29	89		P1	05H	-0.28			TEH	TEC
15	74	SAI	0.85	83		6	01H	-0.01	0.59		01H	01H
15	74	MAI	0.16	118		6	02H	0.16	0.30		02H	02H
15	78	DSI	0.80	88		P1	01H	0.05			TEH	TEC
15	78	DSI	0.82	39		P1	02H	0.15			TEH	TEC
15	78	SAI	0.32	93		6	02H	0.07	0.35		02H	02H
15	81	DSI	0.84	47		P1	01H	0.05			TEH	TEC
15	81	DSI	1.21	55		P1	02H	-0.08			TEH	TEC
15	81	SAI	0.50	90		6	01H	0.05	0.54		01H	01H
15	81	SAI	0.41	97		6	02H	-0.08	0.39		02H	02H
15	84	SPR	1.59	71		P1	02H	0.00			TEH	TEC
15	84	SAI	0.22	116		6	02H	-0.21	0.29		02H	02H
15	90	PCT	0.64	127	0	P1	01C	-0.13			TEH	TEC
15	92	PCT	0.45	129	0	P1	02C	-0.18			TEH	TEC
16	4	PCT	1.20	134	0	P1	01C	0.08			TEH	TEC
16	5	PCT	0.70	146	0	P1	01C	-0.13			TEH	TEC
16	5	DSI	1.15	94		P1	01H	0.03			TEH	TEC

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16	10	DSI	1.15	61		P1	01H	0.00			TEH	TEC
16	11	DSI	0.77	52		P1	02H	-0.08			TEH	TEC
16	11	SAI	0.26	103		6	02H	-0.03	0.52		02H	02H
16	12	DSI	1.43	80		P1	01H	0.00			TEH	TEC
16	12	DSI	1.09	78		P1	02H	0.00			TEH	TEC
16	12	DSI	1.41	94		P1	03H	-0.13			TEH	TEC
16	12	SPR	1.58	130		P1	04H	0.05			TEH	TEC
16	12	SAI	0.26	122		6	04H	0.10	0.22		04H	04H
16	12	MAI	1.03	84		6	01H	-0.06	0.73		01H	01H
16	12	MAI	0.35	107		6	03H	-0.19	0.41		03H	03H
16	13	DSI	0.78	102		P1	01H	-0.08			TEH	TEC
16	13	DSI	1.59	113		P1	02H	0.23			TEH	TEC
16	13	DSI	1.38	67		P1	03H	-0.13			TEH	TEC
16	13	DSI	0.76	91		P1	04H	-0.20			TEH	TEC
16	13	MAI	0.48	108		6	02H	0.06	0.37		02H	02H
16	13	MAI	0.36	89		6	03H	-0.03	0.37		03H	03H
16	14	DSI	0.51	28		P1	01H	0.03			TEH	TEC
16	14	CSI	0.17	67		5	07H	0.19		46	07H	07C
16	16	DSI	0.97	31		P1	01H	0.05			TEH	TEC
16	16	DSI	0.40	32		P1	02H	0.11			TEH	TEC
16	16	DSI	0.41	25		P1	06H	0.03			TEH	TEC
16	16	MAI	0.33	93		6	01H	0.10	0.40		01H	01H
16	17	DSI	0.35	144		P1	01H	0.18			TEH	TEC
16	18	DSI	1.18	44		P1	01H	0.00			TEH	TEC
16	18	MAI	0.40	96		6	01H	-0.10	0.55		01H	01H
16	20	DSI	0.53	45		P1	01H	0.03			TEH	TEC
16	20	DSI	0.54	90		P1	02H	-0.15			TEH	TEC
16	20	MAI	0.43	103		6	01H	0.02	0.48		01H	01H
16	21	DSI	0.87	41		P1	01H	0.05			TEH	TEC
16	21	MAI	0.44	110		6	01H	0.07	0.64		01H	01H
16	22	DSI	0.96	78		P1	01H	0.08			TEH	TEC
16	22	DSI	0.76	64		P1	02H	-0.03			TEH	TEC
16	25	DSI	1.69	42		P1	01H	0.00			TEH	TEC
16	25	DSI	1.26	68		P1	03H	-0.03			TEH	TEC
16	25	MAI	0.28	85		6	01H	-0.09	0.42		01H	01H
16	27	DSI	0.61	31		P1	01H	-0.02			TEH	TEC
16	27	SAI	0.36	87		6	01H	-0.08	0.32		01H	01H
16	29	PTP	2.82	68		6	SBH	0.92			SBH	SBH
16	29	DSI	0.94	37		P1	01H	-0.03			STH	TEC
16	29	SAI	1.03	99		2	01H	-0.06	0.57		01H	01H
16	33	PTP	0.60	54		6	SBH	0.96			SBH	SBH
16	33	DSI	0.80	40		P1	01H	0.10			STH	TEC
16	33	DSI	0.77	97		P1	02H	-0.10			STH	TEC
16	33	SAI	1.09	112		2	01H	-0.22	0.64		01H	01H
16	34	SPR	1.59	136		P1	02H	0.05			1SH	TEC
16	34	SAI	0.45	94		2	02H	0.03	0.44		02H	02H
16	35	DSI	0.98	65		P1	01H	-0.08			STH	TEC
16	35	DSI	0.91	108		P1	02H	-0.15			STH	TEC
16	36	DSI	1.04	108		P1	01H	-0.05			STH	TEC
16	37	DSI	1.20	106		P1	01H	0.15			STH	TEC
16	37	DSI	0.82	61		P1	02H	0.05			STH	TEC

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16	39	DSI	0.97	56		P1	01H	-0.03			STH	TEC
16	42	DSI	0.67	98		P1	03H	-0.18			2SH	TEC
16	42	PIU	0.23	57		P3	STH	-2.03			STH	STH
16	43	PTP	1.39	79		6	SBH	0.93			SBH	SBH
16	43	DSI	0.33	89		P1	02H	-0.05			1SH	TEC
16	44	DSI	1.09	73		P1	01H	0.08			STH	TEC
16	46	DSI	0.73	92		P1	01H	-0.05			STH	TEC
16	46	PIU	0.79	13		P3	STH	-2.08			STH	STH
16	47	DSI	0.50	97		P1	02H	-0.15			1SH	TEC
16	47	DSI	0.22	157		P1	05H	-0.03			1SH	TEC
16	49	DSI	0.82	79		P1	01H	0.03			TEH	TEC
16	49	DSI	0.72	60		P1	02H	0.10			TEH	TEC
16	54	DSI	0.50	42		P1	01H	0.10			TEH	TEC
16	54	SAI	0.21	123		6	01H	0.02	0.24		01H	01H
16	57	DSI	0.93	32		P1	01H	0.05			TEH	TEC
16	57	MAI	0.36	110		6	01H	-0.05	0.51		01H	01H
16	58	DSI	1.17	70		P1	01H	0.13			TEH	TEC
16	59	DSI	1.59	98		P1	01H	0.08			TEH	TEC
16	59	DSI	1.24	94		P1	02H	-0.05			TEH	TEC
16	59	MAI	0.31	120		6	01H	0.01	0.46		01H	01H
16	61	DSI	0.53	99		P1	02H	-0.05			TEH	TEC
16	61	DSI	0.67	30		P1	03H	0.08			TEH	TEC
16	61	SAI	0.25	104		6	03H	0.03	0.45		03H	03H
16	62	DSI	0.46	85		P1	01H	0.10			TEH	TEC
16	63	DSI	0.81	103		P1	01H	0.25			TEH	TEC
16	63	DSI	0.70	64		P1	02H	0.08			TEH	TEC
16	64	DSI	1.75	83		P1	01H	0.10			TEH	TEC
16	64	MAI	1.00	84		6	01H	-0.08	0.48		01H	01H
16	67	DSI	1.29	86		P1	01H	0.18			TEH	TEC
16	67	DSI	0.72	59		P1	02H	0.05			TEH	TEC
16	67	DSI	0.71	27		P1	05H	0.03			TEH	TEC
16	67	SAI	0.16	99		6	05H	0.03	0.38		05H	05H
16	67	MAI	0.63	84		6	01H	0.01	0.43		01H	01H
16	70	DSI	0.53	25		P1	01H	-0.05			TEH	TEC
16	70	SAI	0.23	85		6	01H	-0.05	0.38		01H	01H
16	73	DSI	0.56	37		P1	01H	0.05			TEH	TEC
16	83	DSI	0.52	47		P1	02H	0.05			TEH	TEC
16	83	SAI	0.22	101		6	02H	0.05	0.51		02H	02H
16	85	DSI	0.61	37		P1	01H	0.08			TEH	TEC
16	85	DSI	0.82	58		P1	02H	0.13			TEH	TEC
16	85	DSI	1.15	91		P1	03H	0.00			TEH	TEC
16	86	DSI	1.36	52		P1	02H	-0.05			TEH	TEC
16	86	DSI	0.58	69		P1	03H	0.08			TEH	TEC
16	86	MAI	0.50	97		6	02H	-0.05	0.75		02H	02H
17	5	PCT	2.15	110	30	P1	01C	-0.19			TEH	TEC
17	5	PCT	0.84	130	0	P1	02C	0.08			TEH	TEC
17	5	VOL	1.50	267		6	01C	-0.13			01C	01C
17	5	VOL	0.60	292		6	02C	0.07			02C	02C
17	7	DSI	0.65	44		P1	03H	0.00			TEH	TEC
17	11	DSI	0.42	25		P1	03H	0.08			TEH	TEC
17	12	DSI	0.46	101		P1	01H	-0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
17	12	DSI	0.53	16		P1	02H	0.00			TEH	TEC
17	12	SAI	0.23	111		6	02H	-0.01	0.35		02H	02H
17	13	DSI	0.62	37		P1	01H	0.00			TEH	TEC
17	13	DSI	1.32	49		P1	02H	0.00			TEH	TEC
17	13	MAI	0.23	99		6	01H	0.10	0.45		01H	01H
17	13	MAI	0.41	92		6	02H	-0.14	0.44		02H	02H
17	14	DSI	1.03	29		P1	01H	0.05			TEH	TEC
17	14	SAI	0.46	87		6	01H	0.11	0.52		01H	01H
17	16	DSI	0.74	55		P1	01H	0.08			TEH	TEC
17	16	DSI	0.91	84		P1	02H	-0.18			TEH	TEC
17	16	SAI	0.20	94		6	01H	0.14	0.56		01H	01H
17	16	SPR	1.65	116		P1	03H	0.05			TEH	TEC
17	16	SAI	0.17	62		6	03H	-0.04	0.22		03H	03H
17	17	DSI	1.13	22		P1	01H	-0.13			TEH	TEC
17	17	SAI	0.20	105		6	01H	0.02	0.33		01H	01H
17	21	DSI	0.44	133		P1	01H	-0.13			TEH	TEC
17	22	DSI	0.78	11		P1	03H	0.00			TEH	TEC
17	22	SAI	0.10	113		6	03H	-0.10	0.22		03H	03H
17	23	DSI	0.65	95		P1	02H	0.05			TEH	TEC
17	24	DSI	1.11	48		P1	01H	-0.10			TEH	TEC
17	24	DSI	0.44	83		P1	02H	-0.10			TEH	TEC
17	24	SAI	0.32	101		6	01H	-0.01	0.39		01H	01H
17	26	DSI	0.50	50		P1	01H	0.10			TEH	TEC
17	26	MAI	0.50	94		6	01H	0.21	0.54		01H	01H
17	30	WAR	0.15	86		2	AV1	0.20			07H	07C
17	33	DSI	0.83	55		P1	01H	0.05			STH	TEC
17	33	SAI	1.58	93		2	01H	-0.03	0.53		01H	01H
17	34	DSI	0.48	81		P1	01H	0.00			STH	TEC
17	35	DSI	0.57	128		P1	01H	0.18			STH	TEC
17	36	DSI	0.27	130		P1	02H	0.10			STH	TEC
17	37	DSI	0.74	91		P1	01H	0.00			STH	TEC
17	37	DSI	1.08	95		P1	02H	-0.13			STH	TEC
17	40	DSI	1.09	109		P1	02H	-0.15			STH	TEC
17	41	DSI	0.86	93		P1	01H	-0.10			STH	TEC
17	42	PTP	1.41	78		6	SBH	0.94			SBH	SBH
17	42	DSI	0.52	79		P1	01H	0.05			STH	TEC
17	43	PTP	1.40	74		P5	SBH	1.14			SBH	SBH
17	43	DSI	1.27	75		P1	01H	-0.03			STH	TEC
17	44	DSI	0.96	69		P1	01H	0.05			TEH	TEC
17	44	DSI	0.31	50		P1	04H	0.00			TEH	TEC
17	44	SAI	0.27	78		6	TSH	0.52	0.33		TSH	TSH
17	46	DSI	0.52	81		P1	01H	0.03			STH	TEC
17	50	DSI	0.76	93		P1	01H	0.00			TEH	TEC
17	54	DSI	0.96	42		P1	01H	-0.03			TEH	TEC
17	54	MAI	0.31	95		6	01H	0.00	0.50		01H	01H
17	55	DSI	0.84	92		P1	01H	-0.15			TEH	TEC
17	55	DSI	0.84	81		P1	02H	0.28			TEH	TEC
17	59	DSI	1.53	110		P1	03H	-0.28			2SH	TEC
17	59	DSI	0.94	96		P1	04H	0.26			2SH	TEC
17	59	DSI	1.04	120		P1	05H	-0.18			2SH	TEC
17	59	DSI	0.25	29		P1	07H	-0.03			2SH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
17	59	SAI	0.35	104		6	TSH	-0.37	0.23		TSH	TSH
17	59	SAI	1.24	104		2	07H	0.18	0.53		07H	07H
17	60	DSI	1.33	62		P1	01H	0.05			TEH	TEC
17	60	DSI	0.37	124		P1	02H	-0.08			TEH	TEC
17	60	DSI	0.72	52		P1	03H	0.00			TEH	TEC
17	60	SAI	0.36	96		6	03H	-0.10	0.35		03H	03H
17	60	MAI	0.68	94		6	01H	0.10	0.65		01H	01H
17	63	DSI	0.27	40		P1	04H	0.00			TEH	TEC
17	64	DSI	0.86	70		P1	01H	0.08			TEH	TEC
17	64	DSI	1.10	84		P1	02H	0.10			TEH	TEC
17	66	DSI	0.84	64		P1	01H	0.28			TEH	TEC
17	66	DSI	0.87	103		P1	02H	0.08			TEH	TEC
17	68	DSI	0.30	125		P1	01H	-0.23			TEH	TEC
17	68	DSI	0.80	83		P1	02H	0.10			TEH	TEC
17	68	DSI	0.34	105		P1	04H	-0.26			TEH	TEC
17	77	DSI	1.15	38		P1	02H	0.03			TEH	TEC
17	77	DSI	0.25	28		P1	03H	-0.03			TEH	TEC
17	77	MAI	0.38	119		6	02H	0.03	0.54		02H	02H
17	77	SAI	0.17	105		6	03H	0.01	0.23		03H	03H
17	78	DSI	0.73	59		P1	02H	0.10			TEH	TEC
17	82	DSI	0.76	156		P1	02H	-0.13			TEH	TEC
17	82	SPR	1.66	78		P1	03H	0.23			TEH	TEC
17	82	SAI	0.23	124		6	03H	0.05	0.24		03H	03H
17	83	DSI	0.65	33		P1	01H	0.05			TEH	TEC
17	83	SAI	0.31	105		6	01H	0.12	0.40		01H	01H
17	84	DSI	0.59	62		P1	01H	0.13			TEH	TEC
17	90	PSI	11.78	329		8	01C	-0.05			TEH	TEC
17	90	VOL	0.63	78		6	01C	-0.19			01C	01C
17	90	PCT	0.47	0	31	3	01C	-0.19			01C	01C
18	10	DSI	0.78	26		P1	03H	0.03			TEH	TEC
18	10	SAI	0.47	99		6	03H	0.03	0.36		03H	03H
18	14	DSI	0.60	54		P1	02H	-0.08			TEH	TEC
18	14	SAI	0.32	110		6	02H	-0.08	0.46		02H	02H
18	16	DSI	0.38	53		P1	01H	0.03			TEH	TEC
18	16	SAI	0.30	97		6	01H	-0.05	0.26		01H	01H
18	18	DSI	0.89	29		P1	01H	0.03			TEH	TEC
18	18	DSI	1.03	73		P1	02H	-0.03			TEH	TEC
18	20	DSI	0.58	116		P1	01H	0.08			TEH	TEC
18	21	DSI	1.41	42		P1	01H	0.08			TEH	TEC
18	21	DSI	0.92	77		P1	02H	-0.13			TEH	TEC
18	21	MAI	0.69	98		6	01H	0.01	0.72		01H	01H
18	24	DSI	0.54	34		P1	01H	0.03			TEH	TEC
18	24	MAI	0.24	105		6	01H	0.04	0.48		01H	01H
18	25	DSI	0.74	77		P1	01H	-0.05			TEH	TEC
18	25	WAR	0.12	84		2	AV2	-0.39			07H	07C
18	29	DSI	0.27	59		P1	03H	0.03			TEH	TEC
18	33	PTP	1.01	62		6	SBH	1.11			SBH	SBH
18	33	DSI	0.35	47		P1	01H	0.05			STH	TEC
18	33	SAI	1.52	108		2	01H	-0.05	0.72		01H	01H
18	39	DSI	0.46	139		P1	02H	0.00			1SH	TEC
18	42	DSI	0.99	27		P1	01H	0.10			STH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
18	42	SAI	1.31	103		2	01H	-0.02	0.72		01H	01H
18	42	SPR	1.52	158		P1	02H	0.00			STH	TEC
18	42	SAI	0.47	88		2	02H	-0.07	0.28		02H	02H
18	45	DSI	0.39	71		P1	01H	0.05			TEH	TEC
18	51	DSI	0.86	50		P1	01H	0.00			TEH	TEC
18	51	MAI	0.67	96		6	01H	0.02	0.64		01H	01H
18	56	DSI	1.16	86		P1	01H	-0.13			TEH	TEC
18	57	DSI	1.00	59		P1	01H	0.00			TEH	TEC
18	59	DSI	0.78	66		P1	01H	-0.02			TEH	TEC
18	59	DSI	0.50	80		P1	02H	-0.18			TEH	TEC
18	59	DSI	0.54	97		P1	03H	-0.20			TEH	TEC
18	61	DSI	0.72	63		P1	01H	-0.13			TEH	TEC
18	64	DSI	1.10	25		P1	01H	0.03			TEH	TEC
18	64	DSI	0.27	119		P1	02H	-0.23			TEH	TEC
18	64	DSI	0.54	25		P1	06H	0.08			TEH	TEC
18	64	SAI	0.14	105		6	01H	0.07	0.42		01H	01H
18	65	DSI	0.58	120		P1	01H	0.20			TEH	TEC
18	69	DSI	0.28	126		P1	01H	-0.05			TEH	TEC
18	69	DSI	0.62	89		P1	02H	-0.10			TEH	TEC
18	70	DSI	0.61	48		P1	01H	0.05			TEH	TEC
18	70	SAI	0.44	104		6	01H	0.03	0.26		01H	01H
18	75	DSI	0.67	92		P1	01H	0.03			TEH	TEC
18	75	DSI	0.59	50		P1	02H	0.05			TEH	TEC
18	75	SAI	0.38	109		6	02H	0.05	0.38		02H	02H
18	77	DSI	2.02	95		P1	02H	0.00			TEH	TEC
18	77	SPR	1.56	72		P1	04H	0.07			TEH	TEC
18	77	SAI	0.32	88		6	04H	-0.36	0.13		04H	04H
18	77	SAI	0.31	87		6	03H	0.34	0.16		03H	03H
18	77	SAI	0.41	96		6	02H	0.12	0.67		01H	02H
18	80	DSI	0.98	71		P1	02H	0.10			TEH	TEC
18	89	PCT	1.23	130	0	P1	01C	-0.15			TEH	TEC
19	6	PCT	1.46	116	20	P1	01C	-0.19			TEH	TEC
19	6	PCT	0.59	117	18	P1	02C	0.22			TEH	TEC
19	6	DSI	0.56	53		P1	03H	0.14			TEH	TEC
19	6	DSI	0.80	78		P1	04H	0.11			TEH	TEC
19	6	PCT	1.57	115	20	P1	01C	-0.21			TEH	TEC
19	6	PCT	0.56	115	20	P1	02C	0.23			TEH	TEC
19	6	DSI	0.42	69		P1	03H	0.23			TEH	TEC
19	6	DSI	0.81	78		P1	04H	0.13			TEH	TEC
19	6	PCT	0.66	0	38	3	01C	-0.10			01C	01C
19	6	VOL	1.14	99		6	01C	-0.10			01C	01C
19	6	VOL	0.49	97		6	02C	0.15			02C	02C
19	6	PCT	0.29	0	15	3	02C	0.15			02C	02C
19	9	DSI	0.43	86		P1	01H	-0.26			TEH	TEC
19	9	DSI	0.45	98		P1	02H	-0.05			TEH	TEC
19	9	DSI	0.74	95		P1	03H	0.08			TEH	TEC
19	11	DSI	0.57	40		P1	01H	0.05			TEH	TEC
19	11	MBI	3.07	76		6	06H	35.45			TEH	TEC
19	11	SAI	0.21	115		6	01H	0.03	0.50		01H	01H
19	16	DSI	0.51	56		P1	02H	-0.08			TEH	TEC
19	16	SPR	1.60	115		P1	01H	-0.02			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
19	16	SAI	0.13	67		6	01H	0.02	0.22		01H	01H
19	22	DSI	0.74	72		P1	01H	0.03			TEH	TEC
19	25	DSI	1.09	114		P1	01H	-0.03			TEH	TEC
19	25	DSI	0.67	105		P1	02H	0.05			TEH	TEC
19	27	DSI	0.78	84		P1	01H	-0.03			TEH	TEC
19	30	PTP	1.77	66		6	SBH	1.31			SBH	SBH
19	30	PTP	1.29	76		6	SBH	0.64			SBH	SBH
19	30	DSI	0.61	113		P1	02H	-0.08			1SH	TEC
19	31	DSI	0.54	101		P1	01H	0.13			TEH	TEC
19	33	DSI	0.31	30		P1	01H	0.03			TEH	TEC
19	33	MAI	0.20	115		6	01H	-0.04	0.37		01H	01H
19	34	DSI	0.63	81		P1	01H	0.18			TEH	TEC
19	34	DSI	0.91	144		P1	02H	-0.18			TEH	TEC
19	34	DSI	0.81	145		P1	03H	-0.13			TEH	TEC
19	38	DSI	1.53	96		P1	01H	-0.03			TEH	TEC
19	38	MAI	0.28	91		6	TSH	0.17	0.43		TSH	TSH
19	38	SAI	1.02	88		6	01H	-0.03	0.63		01H	01H
19	40	DSI	0.88	21		P1	01H	0.03			TEH	TEC
19	40	DSI	0.56	132		P1	02H	0.13			TEH	TEC
19	40	SAI	0.10	95		6	01H	0.00	0.41		01H	01H
19	45	DSI	0.53	109		P1	01H	0.13			TEH	TEC
19	46	DSI	0.79	105		P1	01H	-0.15			TEH	TEC
19	51	DSI	0.88	50		P1	01H	0.00			TEH	TEC
19	51	DSI	0.77	60		P1	02H	0.08			TEH	TEC
19	51	MAI	0.97	84		6	01H	-0.02	0.73		01H	01H
19	53	DSI	0.75	36		P1	01H	0.05			TEH	TEC
19	53	DSI	0.43	68		P1	02H	0.00			TEH	TEC
19	53	MAI	0.26	103		6	01H	0.04	0.58		01H	01H
19	54	DSI	0.90	95		P1	01H	-0.15			TEH	TEC
19	58	DSI	1.93	103		P1	01H	-0.03			STH	TEC
19	59	DSI	0.34	34		P1	02H	0.08			TEH	TEC
19	59	SAI	0.31	86		6	02H	-0.06	0.50		02H	02H
19	60	DSI	0.66	50		P1	01H	0.05			TEH	TEC
19	60	MAI	0.49	100		6	01H	0.01	0.70		01H	01H
19	63	DSI	1.66	89		P1	02H	0.28			1SH	TEC
19	67	DSI	0.89	40		P1	02H	-0.03			TEH	TEC
19	67	MAI	0.42	102		6	02H	-0.05	0.72		02H	02H
19	69	DSI	0.74	124		P1	01H	0.28			TEH	TEC
19	71	DSI	1.27	59		P1	02H	-0.05			TEH	TEC
19	73	DSI	0.49	79		P1	01H	-0.10			TEH	TEC
19	80	DSI	0.89	33		P1	02H	0.08			TEH	TEC
19	80	SAI	0.49	86		6	02H	0.08	0.51		02H	02H
19	81	DSI	1.17	35		P1	01H	0.05			TEH	TEC
19	81	DSI	0.87	35		P1	02H	0.15			TEH	TEC
19	81	SAI	0.42	97		6	01H	0.04	0.56		01H	01H
19	81	SAI	0.40	101		6	02H	0.05	0.40		02H	02H
19	82	DSI	0.64	62		P1	02H	0.05			TEH	TEC
19	88	PCT	0.42	127	0	P1	03C	-0.20			TEH	TEC
19	89	PCT	0.20	115	18	P1	01C	-0.23			TEH	TEC
20	8	DSI	0.52	107		P1	01H	-0.03			TEH	TEC
20	8	PCT	1.07	156	0	P1	02C	-0.11			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
20	8	DSI	1.23	36		P1	04H	0.00			TEH	TEC
20	8	DSI	0.71	47		P1	05H	0.00			TEH	TEC
20	8	MAI	0.30	89		6	04H	-0.03	0.56		04H	04H
20	8	MAI	0.21	134		6	05H	0.04	0.51		05H	05H
20	8	PCT	0.38	0	24	3	02C	-0.08			02C	02C
20	8	VOL	0.56	91		6	02C	-0.08			02C	02C
20	9	DSI	0.59	59		P1	01H	0.08			TEH	TEC
20	9	DSI	0.43	38		P1	04H	0.05			TEH	TEC
20	12	DSI	0.85	111		P1	01H	-0.25			TEH	TEC
20	12	DSI	0.73	47		P1	02H	0.00			TEH	TEC
20	12	DSI	1.21	106		P1	03H	-0.08			TEH	TEC
20	12	MAI	0.29	93		6	02H	-0.03	0.44		02H	02H
20	13	DSI	0.44	114		P1	01H	-0.05			TEH	TEC
20	14	DSI	1.27	61		P1	02H	-0.15			TEH	TEC
20	15	DSI	0.58	66		P1	02H	0.00			TEH	TEC
20	16	DSI	0.62	58		P1	01H	0.00			TEH	TEC
20	19	DSI	1.17	87		P1	01H	0.23			TEH	TEC
20	19	DSI	0.94	80		P1	02H	-0.03			TEH	TEC
20	19	DSI	1.12	50		P1	03H	-0.03			TEH	TEC
20	19	SAI	0.31	92		6	03H	-0.08	0.35		03H	03H
20	20	DSI	1.31	73		P1	01H	-0.03			TEH	TEC
20	20	DSI	1.09	47		P1	03H	0.03			TEH	TEC
20	20	MAI	0.22	117		6	03H	-0.07	0.46		03H	03H
20	20	MAI	0.49	99		6	01H	-0.03	0.70		01H	01H
20	22	DSI	0.41	53		P1	01H	0.08			TEH	TEC
20	22	DSI	0.62	55		P1	02H	-0.13			TEH	TEC
20	22	DSI	0.30	48		P1	03H	0.08			TEH	TEC
20	22	MAI	0.70	95		6	01H	0.03	0.50		01H	01H
20	22	MAI	0.30	104		6	02H	-0.04	0.50		02H	02H
20	22	MAI	0.25	106		6	03H	0.07	0.33		03H	03H
20	23	DSI	1.11	59		P1	01H	0.10			TEH	TEC
20	30	DSI	0.56	44		P1	01H	0.00			TEH	TEC
20	30	MAI	0.22	123		6	01H	-0.15	0.33		01H	01H
20	37	DSI	0.60	140		P1	01H	0.18			TEH	TEC
20	40	DSI	1.56	107		P1	01H	0.25			TEH	TEC
20	40	DSI	0.83	102		P1	02H	-0.17			TEH	TEC
20	40	MAI	0.61	98		6	01H	0.17	0.71		01H	01H
20	41	SAI	0.26	55		6	TSH	-0.28	0.25		TSH	TSH
20	41	DSI	0.47	101		P1	01H	0.05			TEH	TEC
20	45	DSI	1.19	30		P1	02H	0.10			TEH	TEC
20	45	SAI	0.23	90		6	02H	0.00	0.36		02H	02H
20	47	DSI	0.62	114		P1	01H	-0.18			TEH	TEC
20	49	DSI	1.02	69		P1	01H	0.05			TEH	TEC
20	50	DSI	0.70	82		P1	01H	-0.05			TEH	TEC
20	53	DSI	0.83	66		P1	01H	0.10			TEH	TEC
20	54	DSI	1.63	75		P1	01H	0.05			TEH	TEC
20	54	MAI	1.19	90		6	01H	0.04	0.41		01H	01H
20	56	DSI	0.91	65		P1	01H	0.00			TEH	TEC
20	57	DSI	0.85	32		P1	01H	0.00			TEH	TEC
20	57	SAI	0.20	104		6	01H	-0.04	0.64		01H	01H
20	59	DSI	0.58	108		P1	01H	-0.25			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
20	59	DSI	0.53	48		P1	02H	0.03			TEH	TEC
20	59	SAI	0.18	106		6	02H	0.00	0.45		02H	02H
20	60	DSI	1.59	86		P1	02H	-0.03			1SH	TEC
20	60	DSI	0.82	82		P1	03H	-0.05			1SH	TEC
20	61	DSI	1.15	74		P1	01H	0.00			TEH	TEC
20	61	DSI	1.10	116		P1	02H	-0.15			TEH	TEC
20	65	DSI	1.36	45		P1	01H	0.05			TEH	TEC
20	65	DSI	0.43	87		P1	02H	0.03			TEH	TEC
20	65	MAI	0.28	97		6	01H	0.00	0.67		01H	01H
20	66	DSI	1.58	58		P1	01H	0.00			TEH	TEC
20	66	MAI	0.52	95		6	01H	0.10	0.64		01H	01H
20	67	DSI	0.29	85		P1	03H	0.00			TEH	TEC
20	69	DSI	0.77	47		P1	01H	0.08			TEH	TEC
20	70	DSI	0.34	86		P1	01H	0.00			TEH	TEC
20	70	DSI	0.86	70		P1	02H	0.00			TEH	TEC
20	71	DSI	0.44	42		P1	01H	0.10			TEH	TEC
20	71	SAI	0.25	102		6	01H	-0.10	0.65		01H	01H
20	72	DSI	0.94	36		P1	01H	0.00			TEH	TEC
20	72	SAI	0.19	85		6	01H	-0.02	0.52		01H	01H
20	74	DSI	1.02	94		P1	01H	0.00			TEH	TEC
20	75	DSI	0.69	105		P1	01H	0.20			TEH	TEC
20	75	DSI	0.99	38		P1	02H	0.15			TEH	TEC
20	75	SAI	0.27	99		6	02H	-0.04	0.45		02H	02H
20	76	DSI	0.41	146		P1	03H	0.15			TEH	TEC
20	78	DSI	0.54	82		P1	01H	0.03			TEH	TEC
20	78	DSI	0.72	50		P1	02H	0.05			TEH	TEC
20	78	MAI	0.40	99		6	02H	0.01	0.52		02H	02H
20	80	DSI	0.95	55		P1	01H	0.08			TEH	TEC
20	80	MAI	0.80	90		6	01H	-0.11	0.72		01H	01H
20	81	DSI	0.65	81		P1	02H	0.30			TEH	TEC
20	81	DSI	0.41	81		P1	02H	0.30			TEH	TEC
20	81	DSI	0.34	102		P1	04H	-0.23			TEH	TEC
20	84	DSI	0.56	99		P1	02H	0.25			TEH	TEC
20	85	DSI	1.35	49		P1	01H	0.08			TEH	TEC
20	85	MAI	0.38	105		6	01H	0.08	0.48		01H	01H
20	88	DSI	0.57	58		P1	01H	0.03			TEH	TEC
20	89	PCT	0.68	135	0	P1	04C	0.15			TEH	TEC
21	11	DSI	0.73	74		P1	01H	0.05			TEH	TEC
21	13	DSI	0.57	20		P1	01H	-0.08			TEH	TEC
21	13	SAI	0.17	89		6	01H	0.00	0.36		01H	01H
21	16	SPR	1.53	77		P1	01H	0.00			TEH	TEC
21	16	MAI	0.34	86		6	01H	0.04	0.55		01H	01H
21	18	DSI	0.56	155		P1	01H	-0.10			TEH	TEC
21	18	DSI	1.10	87		P1	02H	-0.03			TEH	TEC
21	18	DSI	0.30	51		P1	03H	0.03			TEH	TEC
21	18	SAI	0.32	92		6	03H	0.15	0.57		03H	03H
21	22	DSI	0.79	72		P1	01H	0.05			TEH	TEC
21	28	DSI	0.93	49		P1	01H	0.07			TEH	TEC
21	28	MAI	0.48	105		6	01H	0.08	0.46		01H	01H
21	32	DSI	1.19	42		P1	01H	-0.08			TEH	TEC
21	32	MAI	0.39	96		6	01H	-0.09	0.43		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
21	34	DSI	1.32	85		P1	01H	0.20			TEH	TEC
21	34	DSI	0.97	126		P1	03H	-0.18			TEH	TEC
21	34	MAI	0.43	94		6	01H	0.24	0.32		01H	01H
21	35	DSI	0.56	70		P1	01H	0.05			TEH	TEC
21	37	DSI	1.25	74		P1	01H	0.03			TEH	TEC
21	37	DSI	1.30	76		P1	01H	-0.02			TEH	TEC
21	37	SAI	0.64	120		6	01H	-0.13	0.35		01H	01H
21	38	DSI	0.85	17		P1	01H	0.05			TEH	TEC
21	38	SAI	0.26	108		6	01H	-0.04	0.43		01H	01H
21	39	DSI	0.78	105		P1	01H	0.23			TEH	TEC
21	39	DSI	0.70	108		P1	02H	0.33			TEH	TEC
21	40	DSI	0.71	78		P1	01H	0.20			TEH	TEC
21	42	SAI	0.19	75		6	TSH	0.61	0.23		TSH	TSH
21	42	DSI	2.27	45		P1	01H	0.00			TEH	TEC
21	42	MAI	1.61	67		6	01H	-0.02	0.63		01H	01H
21	44	DSI	1.24	24		P1	01H	0.00			TEH	TEC
21	44	DSI	0.90	24		P1	03H	0.13			TEH	TEC
21	44	MAI	0.29	117		6	01H	-0.07	0.72		01H	01H
21	44	SAI	0.26	113		6	03H	0.00	0.59		03H	03H
21	45	DSI	1.24	54		P1	01H	0.00			TEH	TEC
21	45	MAI	0.30	92		6	01H	-0.05	0.24		01H	01H
21	46	DSI	0.87	47		P1	01H	-0.05			TEH	TEC
21	48	DSI	0.99	36		P1	01H	0.10			TEH	TEC
21	48	MAI	0.38	99		6	01H	0.07	0.39		01H	01H
21	50	DSI	0.62	56		P1	01H	0.05			TEH	TEC
21	50	DSI	0.48	70		P1	02H	0.23			TEH	TEC
21	51	DSI	1.53	27		P1	01H	0.00			TEH	TEC
21	51	MAI	0.33	108		6	01H	-0.04	0.23		01H	01H
21	52	DSI	0.57	101		P1	01H	-0.15			TEH	TEC
21	52	DSI	0.86	98		P1	02H	0.15			TEH	TEC
21	52	DSI	0.94	88		P1	05H	0.34			TEH	TEC
21	54	DSI	1.25	79		P1	01H	-0.05			TEH	TEC
21	57	DSI	1.16	65		P1	01H	-0.02			TEH	TEC
21	58	DSI	0.59	56		P1	01H	0.10			TEH	TEC
21	59	DSI	1.10	64		P1	01H	0.08			TEH	TEC
21	59	DSI	0.30	36		P1	02H	0.00			TEH	TEC
21	59	SAI	0.25	89		6	02H	-0.02	0.40		02H	02H
21	61	DSI	0.82	68		P1	01H	0.17			TEH	TEC
21	61	SPR	1.50	158		P1	02H	0.00			TEH	TEC
21	61	SAI	0.21	84		6	02H	0.12	0.42		02H	02H
21	62	DSI	1.28	74		P1	01H	-0.03			TEH	TEC
21	62	DSI	0.72	119		P1	02H	-0.15			TEH	TEC
21	63	DSI	0.76	81		P1	01H	-0.10			TEH	TEC
21	64	DSI	0.56	55		P1	01H	0.00			TEH	TEC
21	64	DSI	0.63	67		P1	02H	-0.10			TEH	TEC
21	64	SAI	0.22	96		6	01H	-0.14	0.62		01H	01H
21	66	DSI	0.73	70		P1	01H	-0.18			TEH	TEC
21	66	DSI	0.91	39		P1	02H	0.00			TEH	TEC
21	66	MAI	0.29	94		6	02H	-0.02	0.71		02H	02H
21	70	DSI	1.25	90		P1	02H	-0.13			TEH	TEC
21	71	DSI	0.53	71		P1	01H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
21	72	DSI	0.75	72		P1	02H	-0.10			TEH	TEC
21	72	DSI	0.56	31		P1	03H	0.03			TEH	TEC
21	72	SAI	0.37	97		6	03H	-0.10	0.45		03H	03H
21	74	PCT	1.56	0	19	P2	AV3	0.00			TEH	TEC
21	74	PCT	1.21	0	16	P2	AV4	-0.08			TEH	TEC
21	75	DSI	0.85	69		P1	02H	0.23			TEH	TEC
21	77	DSI	0.61	53		P1	01H	-0.02			TEH	TEC
21	77	SAI	0.73	89		6	01H	-0.07	0.45		01H	01H
21	78	DSI	0.99	52		P1	01H	0.02			TEH	TEC
21	78	DSI	1.62	65		P1	02H	0.18			TEH	TEC
21	78	SAI	0.53	97		6	01H	-0.07	0.37		01H	01H
21	78	MAI	0.72	96		6	02H	0.00	0.46		02H	02H
21	79	DSI	0.27	146		P1	02H	-0.05			TEH	TEC
21	80	DSI	0.88	54		P1	01H	0.07			TEH	TEC
21	80	DSI	1.67	90		P1	02H	0.23			TEH	TEC
21	80	DSI	0.67	41		P1	03H	0.00			TEH	TEC
21	80	MAI	0.16	86		6	01H	-0.09	0.72		01H	01H
21	80	MAI	0.19	100		6	03H	0.25	0.75		03H	03H
21	80	MAI	0.77	92		6	02H	0.04	0.46		02H	02H
21	83	DSI	1.52	74		P1	01H	0.20			TEH	TEC
21	83	DSI	0.76	60		P1	02H	0.05			TEH	TEC
21	83	SAI	0.57	88		6	01H	0.15	0.44		01H	01H
21	88	PSI	16.03	1		8	02C	0.03			TEH	TEC
21	88	DSI	0.80	61		P1	02H	-0.10			TEH	TEC
21	88	PCT	0.35	0	23	3	01C	-0.16			01C	01C
21	88	VOL	0.65	60		6	01C	-0.16			01C	01C
21	88	VOL	0.35	82		6	02C	-0.04			02C	02C
21	88	PCT	0.17	0	0	3	02C	-0.04			02C	02C
22	7	DSI	0.90	39		P1	01H	-0.02			TEH	TEC
22	7	MAI	0.19	110		6	01H	0.03	0.32		01H	01H
22	8	DSI	0.60	66		P1	01H	0.04			TEH	TEC
22	8	PCT	0.29	0	18	3	01C	0.04			01C	01C
22	8	VOL	0.48	59		6	01C	0.04			01C	01C
22	9	PCT	1.68	114	24	P1	01C	0.15			TEH	TEC
22	9	PCT	0.69	0	39	3	01C	0.18			01C	01C
22	9	VOL	1.05	89		6	01C	0.18			01C	01C
22	12	DSI	0.37	80		P1	01H	0.00			TEH	TEC
22	12	DSI	0.37	92		P1	02H	0.03			TEH	TEC
22	15	DSI	1.38	57		P1	02H	-0.13			TEH	TEC
22	15	SAI	0.28	118		6	02H	-0.11	0.55		02H	02H
22	16	DSI	0.93	31		P1	02H	0.03			TEH	TEC
22	16	MAI	0.25	112		6	02H	-0.05	0.33		02H	02H
22	17	DSI	0.72	93		P1	02H	0.10			TEH	TEC
22	18	DSI	1.11	51		P1	01H	0.08			TEH	TEC
22	18	SAI	1.29	75		6	01H	0.01	0.71		01H	01H
22	20	DSI	0.50	105		P1	01H	0.15			TEH	TEC
22	20	DSI	0.66	60		P1	02H	-0.08			TEH	TEC
22	21	DSI	1.92	86		P1	01H	0.10			TEH	TEC
22	21	MAI	1.76	85		6	01H	0.05	0.71		01H	01H
22	23	DSI	1.30	24		P1	01H	0.03			TEH	TEC
22	23	DSI	0.89	82		P1	02H	0.00			TEH	TEC

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22	23	MAI	0.54	94		6	01H	-0.01	0.63		01H	01H
22	25	DSI	1.17	38		P1	01H	0.13			TEH	TEC
22	25	SAI	0.87	83		6	01H	0.13	0.50		01H	01H
22	28	DSI	0.67	41		P1	01H	0.05			TEH	TEC
22	28	SAI	0.34	108		6	01H	0.11	0.66		01H	01H
22	30	DSI	0.63	62		P1	01H	0.00			TEH	TEC
22	31	DSI	0.59	97		P1	02H	-0.15			1SH	TEC
22	31	PCT	2.41	0	27	P2	AV2	0.33			1SH	TEC
22	31	PCT	1.46	0	19	P2	AV3	0.13			1SH	TEC
22	32	DSI	0.46	54		P1	01H	0.03			TEH	TEC
22	32	MAI	0.41	103		6	01H	-0.04	0.41		01H	01H
22	36	DSI	2.32	54		P1	01H	0.09			TEH	TEC
22	36	MAI	2.40	51		6	01H	0.01	0.61		01H	01H
22	39	DSI	0.52	27		P1	01H	0.05			TEH	TEC
22	39	SAI	0.37	104		6	01H	-0.03	0.39		01H	01H
22	40	DSI	1.56	111		P1	01H	-0.12			TEH	TEC
22	40	MAI	1.01	94		6	01H	0.06	0.63		01H	01H
22	41	DSI	0.41	41		P1	01H	0.03			TEH	TEC
22	41	MAI	0.33	119		6	01H	-0.02	0.54		01H	01H
22	43	DSI	1.15	72		P1	01H	0.10			TEH	TEC
22	44	DSI	0.91	43		P1	01H	0.00			TEH	TEC
22	44	SAI	0.45	99		6	01H	-0.03	0.36		01H	01H
22	45	DSI	1.18	111		P1	01H	-0.05			TEH	TEC
22	45	DSI	0.14	43		P1	02H	0.08			TEH	TEC
22	45	SAI	0.17	73		6	02H	0.22	0.24		02H	02H
22	47	DSI	0.80	126		P1	01H	-0.07			TEH	TEC
22	47	DSI	0.49	54		P1	02H	0.10			TEH	TEC
22	47	SAI	0.23	110		6	02H	0.13	0.31		02H	02H
22	48	DSI	0.48	113		P1	01H	-0.17			TEH	TEC
22	49	DSI	0.55	51		P1	01H	0.03			TEH	TEC
22	49	MAI	0.54	89		6	01H	0.10	0.53		01H	01H
22	50	DSI	0.43	42		P1	01H	0.05			TEH	TEC
22	50	SAI	0.52	104		6	01H	-0.05	0.61		01H	01H
22	54	DSI	0.63	23		P1	01H	0.00			TEH	TEC
22	54	SAI	0.13	93		6	01H	0.00	0.19		01H	01H
22	58	DSI	0.67	75		P1	01H	-0.15			TEH	TEC
22	58	DSI	0.77	64		P1	01H	-0.09			TEH	TEC
22	59	DSI	0.55	110		P1	01H	-0.15			TEH	TEC
22	63	DSI	0.60	55		P1	01H	0.03			TEH	TEC
22	63	MAI	0.36	89		6	01H	-0.05	0.35		01H	01H
22	69	DSI	1.02	64		P1	02H	-0.08			1SH	TEC
22	73	DSI	0.64	100		P1	02H	-0.03			TEH	TEC
22	74	DSI	1.83	97		P1	02H	0.15			1SH	TEC
22	76	DSI	0.60	146		P1	01H	0.22			TEH	TEC
22	78	DSI	0.53	39		P1	01H	0.10			TEH	TEC
22	78	DSI	0.60	48		P1	02H	0.10			TEH	TEC
22	78	SAI	0.42	107		6	01H	0.00	0.50		01H	01H
22	81	DSI	0.86	36		P1	01H	0.00			TEH	TEC
22	81	SAI	0.40	94		6	01H	0.05	0.42		01H	01H
22	82	DSI	0.44	106		P1	01H	0.10			TEH	TEC
22	84	DSI	0.37	95		P1	01H	0.23			TEH	TEC

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22	85	DSI	0.85	53		P1	02H	-0.05			TEH	TEC
22	85	MAI	0.37	82		6	02H	-0.05	0.45		02H	02H
22	87	DSI	0.89	79		P1	02H	0.20			TEH	TEC
23	8	PCT	0.35	0	23	3	01C	0.13			01C	01C
23	8	VOL	0.64	73		6	01C	0.13			01C	01C
23	9	DSI	1.26	96		P1	01H	0.08			TEH	TEC
23	9	DSI	0.65	35		P1	03H	-0.03			TEH	TEC
23	9	MAI	0.35	111		6	03H	-0.01	0.66		03H	03H
23	11	DSI	1.23	21		P1	02H	-0.03			TEH	TEC
23	13	DSI	0.55	30		P1	01H	0.16			TEH	TEC
23	13	DSI	0.87	50		P1	02H	-0.05			TEH	TEC
23	13	SAI	0.27	105		6	02H	0.05	0.44		02H	02H
23	20	DSI	0.96	98		P1	01H	0.13			TEH	TEC
23	22	DSI	0.85	48		P1	01H	0.02			TEH	TEC
23	22	SAI	0.49	100		6	01H	0.09	0.52		01H	01H
23	23	DSI	1.20	102		P1	01H	0.10			TEH	TEC
23	24	DSI	0.71	99		P1	02H	-0.05			TEH	TEC
23	25	DSI	0.70	33		P1	01H	0.05			TEH	TEC
23	25	MAI	0.32	100		6	01H	-0.03	0.66		01H	01H
23	29	DSI	1.22	75		P1	03H	-0.19			2SH	TEC
23	29	DSI	1.43	66		P1	01H	-0.03			2SH	TEH
23	34	DSI	0.86	50		P1	01H	-0.05			TEH	TEC
23	34	DSI	0.52	54		P1	02H	-0.10			TEH	TEC
23	34	MAI	0.39	103		6	01H	0.05	0.56		01H	01H
23	34	MAI	0.42	105		6	02H	-0.05	0.53		02H	02H
23	35	DSI	0.75	31		P1	01H	0.05			TEH	TEC
23	35	MAI	0.25	101		6	01H	-0.03	0.69		01H	01H
23	38	DSI	0.51	18		P1	01H	0.07			TEH	TEC
23	38	MAI	0.32	100		6	01H	-0.02	0.63		01H	01H
23	42	DSI	1.75	93		P1	01H	-0.07			TEH	TEC
23	42	MAI	1.04	85		6	01H	-0.05	0.60		01H	01H
23	43	DSI	0.54	133		P1	01H	0.03			TEH	TEC
23	47	DSI	0.89	103		P1	01H	-0.05			TEH	TEC
23	51	DSI	0.66	38		P1	01H	0.05			TEH	TEC
23	51	SAI	0.63	92		6	01H	0.00	0.46		01H	01H
23	56	DSI	1.11	64		P1	01H	-0.05			TEH	TEC
23	56	DSI	0.36	76		P1	03H	-0.08			TEH	TEC
23	57	DSI	0.64	62		P1	01H	-0.02			TEH	TEC
23	60	DSI	1.31	47		P1	01H	-0.10			TEH	TEC
23	60	MAI	0.71	81		6	01H	-0.16	0.54		01H	01H
23	62	DSI	1.00	42		P1	01H	0.08			TEH	TEC
23	62	MAI	1.93	70		6	01H	0.30	0.75		01H	01H
23	65	DSI	0.55	110		P1	01H	0.15			TEH	TEC
23	65	DSI	0.30	53		P1	03H	0.10			TEH	TEC
23	66	DSI	0.57	91		P1	02H	-0.13			TEH	TEC
23	67	DSI	0.97	56		P1	01H	0.03			TEH	TEC
23	67	DSI	0.83	35		P1	02H	0.10			TEH	TEC
23	67	SAI	0.33	96		6	02H	0.00	0.60		02H	02H
23	69	DSI	0.31	53		P1	01H	0.13			TEH	TEC
23	69	DSI	0.23	61		P1	02H	0.03			TEH	TEC
23	69	SAI	0.24	91		6	01H	0.15	0.70		01H	01H

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23	70	DSI	0.60	96		P1	01H	0.13			TEH	TEC
23	70	DSI	0.26	81		P1	02H	-0.08			TEH	TEC
23	71	DSI	1.05	52		P1	01H	0.10			TEH	TEC
23	71	MAI	0.55	101		6	01H	-0.01	0.70		01H	01H
23	78	DSI	0.46	38		P1	01H	0.03			TEH	TEC
23	78	DSI	0.90	37		P1	02H	0.08			TEH	TEC
23	78	SAI	0.18	105		6	01H	-0.06	0.30		01H	01H
23	78	SAI	0.27	89		6	02H	0.19	0.57		02H	02H
24	8	VOL	0.54	80		6	01C	-0.05			01C	01C
24	8	PCT	0.35	0	23	3	01C	-0.05			01C	01C
24	8	VOL	0.74	66		6	02C	0.12			02C	02C
24	8	PCT	0.50	0	32	3	02C	0.12			02C	02C
24	11	DSI	0.22	31		P1	01H	0.08			TEH	TEC
24	11	DSI	1.24	33		P1	05H	-0.03			TEH	TEC
24	11	MAI	0.15	82		6	01H	0.08	0.56		01H	01H
24	12	DSI	0.64	23		P1	03H	0.05			TEH	TEC
24	12	MAI	0.26	106		6	03H	-0.21	0.42		03H	03H
24	16	DSI	0.56	32		P1	01H	0.13			TEH	TEC
24	16	SAI	0.22	108		6	01H	0.03	0.22		01H	01H
24	17	DSI	0.28	39		P1	01H	0.03			TEH	TEC
24	17	SAI	0.32	108		6	01H	0.00	0.22		01H	01H
24	18	DSI	0.21	102		P1	02H	0.03			TEH	TEC
24	21	DSI	0.76	45		P1	01H	0.08			TEH	TEC
24	21	SAI	0.40	110		6	01H	-0.08	0.66		01H	01H
24	22	DSI	0.78	31		P1	01H	0.00			TEH	TEC
24	22	SAI	0.17	97		6	01H	-0.01	0.46		01H	01H
24	24	DSI	0.71	39		P1	01H	-0.05			TEH	TEC
24	24	MAI	0.19	99		6	01H	-0.10	0.28		01H	01H
24	27	DSI	0.59	59		P1	01H	0.00			TEH	TEC
24	29	SAI	0.26	71		6	TSH	0.16	0.31		TSH	TSH
24	31	DSI	1.61	81		P1	01H	0.10			TEH	TEC
24	31	MAI	0.51	84		6	01H	0.01	0.60		01H	01H
24	35	DSI	0.87	43		P1	01H	0.00			TEH	TEC
24	35	DSI	0.43	46		P1	02H	0.03			TEH	TEC
24	35	MAI	0.35	88		6	01H	-0.04	0.59		01H	01H
24	35	SAI	0.29	95		6	02H	0.12	0.38		02H	02H
24	38	DSI	0.45	30		P1	01H	0.02			TEH	TEC
24	38	SAI	0.20	106		6	01H	0.01	0.33		01H	01H
24	40	DSI	0.67	113		P1	01H	0.02			TEH	TEC
24	40	DSI	1.44	83		P1	02H	-0.05			TEH	TEC
24	40	DSI	0.37	40		P1	04H	-0.10			TEH	TEC
24	40	MAI	0.48	99		6	02H	0.00	0.41		02H	02H
24	41	DSI	0.96	58		P1	01H	0.08			TEH	TEC
24	44	DSI	0.70	107		P1	02H	-0.10			TEH	TEC
24	45	DSI	1.55	26		P1	02H	0.05			TEH	TEC
24	45	DSI	0.64	30		P1	03H	0.28			TEH	TEC
24	45	SAI	0.52	96		6	02H	0.04	0.64		02H	02H
24	45	SAI	0.15	93		6	03H	-0.08	0.24		03H	03H
24	46	DSI	0.63	51		P1	01H	0.07			TEH	TEC
24	46	SAI	0.38	101		6	01H	-0.02	0.58		01H	01H
24	48	DSI	0.54	41		P1	01H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
24	48	MAI	0.21	81		6	01H	-0.05	0.41		01H	01H
24	51	PCT	2.47	0	29	P2	AV1	0.00			TEH	TEC
24	51	PCT	1.67	0	23	P2	AV2	0.00			TEH	TEC
24	51	PCT	1.42	0	21	P2	AV3	0.00			TEH	TEC
24	51	PCT	1.89	0	25	P2	AV4	0.00			TEH	TEC
24	52	DSI	0.46	44		P1	01H	0.05			TEH	TEC
24	52	MAI	0.19	71		6	01H	-0.15	0.60		01H	01H
24	53	DSI	0.80	98		P1	02H	-0.18			TEH	TEC
24	54	DSI	1.10	52		P1	01H	0.18			TEH	TEC
24	54	DSI	0.76	102		P1	02H	-0.23			TEH	TEC
24	54	MAI	0.45	106		6	01H	-0.03	0.62		01H	01H
24	55	DSI	0.45	84		P1	01H	0.08			STH	TEC
24	57	DSI	0.46	37		P1	01H	0.10			TEH	TEC
24	57	SAI	0.38	80		6	01H	0.09	0.51		01H	01H
24	58	DSI	0.96	73		P1	02H	0.00			TEH	TEC
24	60	DSI	1.28	75		P1	01H	0.15			TEH	TEC
24	60	DSI	0.67	97		P1	02H	-0.05			TEH	TEC
24	64	DSI	0.48	105		P1	02H	-0.10			TEH	TEC
24	66	DSI	0.98	105		P1	01H	-0.13			TEH	TEC
24	66	DSI	0.54	93		P1	02H	0.05			TEH	TEC
24	68	PCT	1.66	0	20	P2	AV2	0.10			TEH	TEC
24	69	DSI	0.53	135		P1	02H	0.33			TEH	TEC
24	69	SAI	0.15	108		6	02H	-0.11	0.20		01H	02H
24	70	DSI	0.74	63		P1	02H	0.05			TEH	TEC
24	73	DSI	0.57	123		P1	01H	-0.12			TEH	TEC
24	73	DSI	0.84	37		P1	02H	0.03			TEH	TEC
24	73	SAI	0.25	107		6	02H	0.10	0.65		02H	02H
24	74	DSI	0.35	53		P1	01H	0.08			TEH	TEC
24	74	DSI	0.89	84		P1	02H	-0.13			TEH	TEC
24	74	SAI	0.22	107		6	01H	0.03	0.37		01H	01H
24	84	DSI	0.71	90		P1	01H	0.18			TEH	TEC
25	11	PCT	0.54	0	34	3	01C	0.03			01C	01C
25	11	VOL	0.90	54		6	01C	0.03			01C	01C
25	12	DSI	0.58	39		P1	01H	0.00			TEH	TEC
25	12	DSI	0.31	64		P1	02H	0.00			TEH	TEC
25	12	DSI	0.64	58		P1	05H	0.05			TEH	TEC
25	12	SAI	0.16	83		6	01H	-0.05	0.19		01H	01H
25	12	SPR	1.53	103		P1	03H	0.03			TEH	TEC
25	12	SAI	0.35	105		6	03H	0.01	0.54		03H	03H
25	13	DSI	0.62	17		P1	01H	0.03			TEH	TEC
25	13	DSI	0.24	120		P1	02H	0.05			TEH	TEC
25	14	DSI	0.74	33		P1	01H	0.00			TEH	TEC
25	14	DSI	1.17	73		P1	02H	0.18			TEH	TEC
25	14	DSI	0.88	58		P1	03H	0.00			TEH	TEC
25	14	SAI	0.16	96		6	01H	0.05	0.27		01H	01H
25	17	SPR	1.60	94		P1	03H	0.00			TEH	TEC
25	17	SAI	0.27	97		6	03H	-0.15	0.36		03H	03H
25	19	DSI	0.66	81		P1	02H	-0.03			TEH	TEC
25	19	DSI	1.30	50		P1	03H	0.05			TEH	TEC
25	19	MAI	0.21	94		6	03H	0.05	0.47		03H	03H
25	20	DSI	0.69	34		P1	01H	-0.08			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
25	20	SAI	0.52	100		6	01H	-0.08	0.52		01H	01H
25	21	DSI	0.61	90		P1	01H	0.00			TEH	TEC
25	22	DSI	1.00	47		P1	01H	0.05			TEH	TEC
25	22	DSI	0.31	65		P1	03H	0.05			TEH	TEC
25	22	SAI	0.39	88		6	01H	0.09	0.39		01H	01H
25	24	DSI	0.73	74		P1	01H	0.00			TEH	TEC
25	27	DSI	0.66	124		P1	01H	-0.15			TEH	TEC
25	27	DSI	0.43	72		P1	02H	0.03			TEH	TEC
25	32	DSI	0.88	39		P1	01H	0.08			TEH	TEC
25	32	MAI	0.25	107		6	01H	0.02	0.43		01H	01H
25	38	DSI	0.47	36		P1	02H	0.00			TEH	TEC
25	38	SAI	0.25	94		6	02H	0.02	0.53		02H	02H
25	39	DSI	0.70	113		P1	01H	-0.15			TEH	TEC
25	39	DSI	0.52	120		P1	02H	-0.15			TEH	TEC
25	40	DSI	0.82	111		P1	02H	-0.20			TEH	TEC
25	40	SPR	1.61	85		P1	01H	0.00			TEH	TEC
25	40	SAI	0.28	102		6	01H	-0.08	0.46		01H	01H
25	41	DSI	0.78	92		P1	01H	0.12			TEH	TEC
25	42	DSI	0.53	112		P1	01H	0.00			TEH	TEC
25	42	DSI	0.54	44		P1	02H	0.05			TEH	TEC
25	42	DSI	0.19	19		P1	05H	0.03			TEH	TEC
25	42	MAI	0.24	95		6	02H	0.11	0.36		02H	02H
25	43	DSI	0.62	76		P1	01H	0.03			TEH	TEC
25	43	PCT	1.05	0	16	P2	AV2	0.10			TEH	TEC
25	43	PCT	1.09	0	16	P2	AV3	0.06			TEH	TEC
25	45	DSI	0.69	42		P1	01H	0.10			TEH	TEC
25	45	SAI	0.36	111		6	01H	-0.05	0.60		01H	01H
25	46	DSI	0.81	68		P1	01H	0.07			TEH	TEC
25	48	DSI	1.20	64		P1	01H	0.02			TEH	TEC
25	48	DSI	0.60	53		P1	02H	0.00			TEH	TEC
25	48	SAI	0.42	109		6	02H	0.07	0.53		02H	02H
25	50	DSI	0.64	140		P1	01H	-0.12			TEH	TEC
25	50	DSI	0.93	115		P1	02H	-0.25			TEH	TEC
25	50	DSI	0.39	36		P1	05H	-0.03			TEH	TEC
25	51	DSI	1.56	104		P1	01H	-0.02			TEH	TEC
25	51	DSI	0.33	119		P1	02H	0.03			TEH	TEC
25	51	SAI	0.73	90		6	01H	0.03	0.62		01H	01H
25	53	DSI	0.57	74		P1	01H	0.15			TEH	TEC
25	55	DSI	0.35	32		P1	02H	0.03			TEH	TEC
25	55	DSI	0.40	54		P1	03H	0.13			TEH	TEC
25	55	SAI	0.23	90		6	02H	-0.01	0.18		02H	02H
25	59	DSI	0.79	80		P1	01H	0.10			TEH	TEC
25	59	DSI	0.70	62		P1	02H	-0.05			TEH	TEC
25	61	DSI	1.44	87		P1	01H	0.15			TEH	TEC
25	61	SAI	0.46	94		6	01H	-0.02	0.49		01H	01H
25	63	DSI	0.50	30		P1	03H	0.03			TEH	TEC
25	63	MAI	0.26	85		6	03H	0.00	0.62		03H	03H
25	64	DSI	0.66	98		P1	01H	-0.17			TEH	TEC
25	65	PCT	3.40	0	32	P2	AV3	-0.05			TEH	TEC
25	65	PCT	3.55	0	34	P2	AV4	0.00			TEH	TEC
25	66	DSI	0.84	65		P1	01H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
25	71	DSI	0.81	33		P1	02H	0.08			TEH	TEC
25	71	SAI	0.26	91		6	02H	-0.01	0.49		02H	02H
25	81	DSI	1.27	39		P1	01H	0.08			TEH	TEC
25	81	MAI	0.27	94		6	01H	0.05	0.74		01H	01H
25	86	DSI	0.69	116		P1	02H	0.08			TEH	TEC
26	11	DSI	1.75	76		P1	01H	-0.03			TEH	TEC
26	11	DSI	1.01	61		P1	03H	0.00			TEH	TEC
26	11	MAI	0.55	90		6	01H	-0.06	0.48		01H	01H
26	13	DSI	0.50	144		P1	01H	0.10			TEH	TEC
26	14	DSI	0.33	108		P1	01H	-0.17			TEH	TEC
26	14	DSI	1.14	54		P1	02H	-0.05			TEH	TEC
26	14	SAI	0.71	92		6	02H	0.02	0.57		02H	02H
26	18	DSI	0.36	71		P1	02H	0.05			TEH	TEC
26	23	DSI	0.84	38		P1	01H	0.05			TEH	TEC
26	23	DSI	0.24	30		P1	03H	0.13			TEH	TEC
26	23	SAI	0.23	104		6	01H	0.07	0.48		01H	01H
26	26	DSI	0.95	68		P1	01H	0.03			TEH	TEC
26	29	DSI	0.75	57		P1	01H	0.10			TEH	TEC
26	30	DSI	1.17	72		P1	01H	0.05			TEH	TEC
26	30	DSI	0.31	42		P1	02H	0.08			TEH	TEC
26	30	SAI	0.26	91		6	02H	0.03	0.56		02H	02H
26	32	DSI	1.52	106		P1	01H	0.20			TEH	TEC
26	32	DSI	1.06	130		P1	02H	-0.13			TEH	TEC
26	32	SAI	0.69	90		6	01H	0.13	0.68		01H	01H
26	33	DSI	0.55	40		P1	01H	0.00			TEH	TEC
26	33	SAI	0.29	98		6	01H	0.04	0.42		01H	01H
26	34	PCT	0.78	0	12	P2	AV1	0.00			TEH	TEC
26	34	PCT	1.47	0	19	P2	AV2	-0.13			TEH	TEC
26	34	PCT	1.09	0	15	P2	AV3	-0.03			TEH	TEC
26	34	PCT	2.16	0	26	P2	AV4	-1.91			TEH	TEC
26	34	PCT	1.63	0	21	P2	AV4	2.14			TEH	TEC
26	35	DSI	0.89	110		P1	01H	0.23			TEH	TEC
26	36	DSI	0.67	69		P1	01H	0.00			TEH	TEC
26	37	DSI	1.56	35		P1	01H	0.15			TEH	TEC
26	37	SAI	0.25	106		6	01H	0.00	0.43		01H	01H
26	50	DSI	0.47	46		P1	01H	0.00			TEH	TEC
26	50	SAI	0.19	96		6	01H	0.02	0.27		01H	01H
26	51	DSI	1.87	105		P1	01H	0.20			TEH	TEC
26	51	SAI	1.19	87		6	01H	0.08	0.45		01H	01H
26	52	DSI	0.60	76		P1	01H	0.00			TEH	TEC
26	55	DSI	0.86	40		P1	01H	0.05			TEH	TEC
26	55	SAI	0.41	85		6	01H	-0.05	0.28		01H	01H
26	62	DSI	1.02	85		P1	02H	-0.18			1SH	TEC
26	65	DSI	0.48	88		P1	01H	0.13			TEH	TEC
26	65	DSI	0.61	62		P1	02H	0.13			TEH	TEC
26	67	DSI	1.11	48		P1	01H	0.08			TEH	TEC
26	67	DSI	1.51	47		P1	02H	0.13			TEH	TEC
26	67	MAI	0.29	105		6	01H	0.07	0.60		01H	01H
26	67	MAI	0.41	103		6	02H	0.13	0.72		02H	02H
26	67	SPR	2.01	81		P1	03H	0.00			TEH	TEC
26	67	MAI	0.16	93		6	03H	-0.05	0.70		03H	03H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
26	70	DSI	0.72	42		P1	01H	0.10			TEH	TEC
26	70	SAI	0.28	92		6	01H	0.05	0.42		01H	01H
26	73	DSI	0.32	56		P1	01H	0.15			TEH	TEC
26	74	SCI	0.17	114		P2	TSH	0.12	0.17	80	TSH	TSH
26	74	SPR	1.85	191		P1	02H	0.10			TEH	TEC
26	74	SAI	0.25	102		6	02H	0.12	0.52		02H	02H
26	82	DSI	0.67	41		P1	02H	0.18			TEH	TEC
27	10	PCT	0.47	148	0	P1	01C	-0.07			TEH	TEC
27	10	DSI	0.41	21		P1	01H	0.04			TEH	TEC
27	10	PCT	0.66	133	0	P1	02C	-0.24			TEH	TEC
27	14	DSI	0.63	57		P1	01H	0.00			TEH	TEC
27	14	SPR	1.52	93		P1	02H	0.03			TEH	TEC
27	14	SAI	0.31	85		6	02H	0.22	0.33		02H	02H
27	15	DSI	0.72	64		P1	01H	-0.08			TEH	TEC
27	19	DSI	0.79	51		P1	01H	0.00			TEH	TEC
27	19	DSI	0.62	36		P1	02H	0.08			TEH	TEC
27	19	SAI	0.73	102		6	01H	-0.08	0.49		01H	01H
27	19	SAI	0.49	96		6	02H	0.07	0.38		02H	02H
27	21	DSI	1.06	135		P1	01H	0.20			TEH	TEC
27	21	DSI	0.62	47		P1	02H	0.03			TEH	TEC
27	21	MAI	0.54	105		6	02H	0.06	0.69		02H	02H
27	23	DSI	0.36	87		P1	01H	0.03			TEH	TEC
27	26	DSI	0.93	70		P1	03H	0.00			TEH	TEC
27	27	DSI	1.07	53		P1	01H	0.00			TEH	TEC
27	27	DSI	0.88	36		P1	03H	0.05			TEH	TEC
27	27	SAI	0.23	99		6	01H	-0.13	0.31		01H	01H
27	27	SPR	1.57	100		P1	02H	0.00			TEH	TEC
27	27	SAI	0.24	116		6	02H	0.18	0.46		02H	02H
27	27	SAI	0.25	114		6	03H	0.07	0.38		03H	03H
27	31	DSI	0.73	60		P1	01H	0.03			TEH	TEC
27	32	DSI	0.85	59		P1	01H	0.08			TEH	TEC
27	33	DSI	0.46	83		P1	01H	0.10			TEH	TEC
27	34	DSI	1.46	97		P1	03H	0.31			2SH	TEC
27	37	DSI	0.94	37		P1	01H	0.05			TEH	TEC
27	37	SAI	0.53	98		6	01H	-0.15	0.34		01H	01H
27	38	DSI	0.82	50		P1	01H	0.05			TEH	TEC
27	38	DSI	0.53	38		P1	02H	0.03			TEH	TEC
27	38	SAI	0.51	96		6	01H	0.10	0.41		01H	01H
27	38	MAI	0.42	102		6	02H	0.00	0.33		02H	02H
27	40	DSI	0.88	126		P1	01H	0.13			STH	TEC
27	40	DSI	0.84	98		P1	02H	0.00			STH	TEC
27	44	DSI	0.99	94		P1	01H	-0.15			TEH	TEC
27	45	DSI	1.02	19		P1	01H	0.08			TEH	TEC
27	53	DSI	0.77	112		P1	01H	0.12			TEH	TEC
27	54	DSI	1.22	45		P1	01H	0.18			TEH	TEC
27	54	MAI	0.49	123		6	01H	-0.01	0.53		01H	01H
27	57	DSI	0.67	30		P1	01H	0.07			TEH	TEC
27	57	SAI	0.40	85		6	01H	0.01	0.29		01H	01H
27	59	DSI	1.12	35		P1	01H	0.07			TEH	TEC
27	59	DSI	0.91	83		P1	02H	0.18			TEH	TEC
27	59	SAI	0.32	94		6	01H	0.03	0.48		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
27	63	DSI	1.00	56		P1	01H	0.00			TEH	TEC
27	66	DSI	1.46	44		P1	01H	0.00			TEH	TEC
27	66	DSI	0.33	24		P1	02H	0.03			TEH	TEC
27	66	SAI	0.89	87		6	01H	0.08	0.42		01H	01H
27	66	SAI	0.29	108		6	02H	0.09	0.64		02H	02H
27	67	DSI	0.40	92		P1	02H	0.03			TEH	TEC
27	73	DSI	0.74	71		P1	02H	0.00			TEH	TEC
27	73	DSI	0.52	58		P1	04H	0.08			TEH	TEC
27	75	DSI	0.87	120		P1	04H	-0.05			TEH	TEC
27	79	DSI	0.57	56		P1	02H	0.08			TEH	TEC
27	80	DSI	0.81	39		P1	02H	0.10			TEH	TEC
27	80	DSI	0.47	85		P1	04H	-0.03			TEH	TEC
27	84	DSI	0.35	39		P1	01H	0.08			TEH	TEC
27	84	DSI	1.65	77		P1	03H	0.08			TEH	TEC
27	84	SAI	0.21	68		6	01H	0.09	0.44		01H	01H
27	85	VOL	1.26	47		6	02C	-0.09			02C	02C
27	85	PCT	0.63	0	38	3	02C	-0.09			02C	02C
28	12	DSI	0.66	30		P1	01H	0.00			TEH	TEC
28	12	PCT	0.53	137	0	P1	03C	0.13			TEH	TEC
28	13	DSI	0.40	118		P1	01H	0.20			TEH	TEC
28	13	PCT	0.75	133	0	P1	02C	-0.08			TEH	TEC
28	13	VOL	0.60	284		6	02C	-0.09			02C	02C
28	13	PCT	0.34	0	20	3	02C	-0.09			02C	02C
28	14	DSI	0.67	131		P1	01H	0.10			TEH	TEC
28	15	DSI	0.53	38		P1	01H	0.08			TEH	TEC
28	15	SAI	0.47	95		6	01H	0.05	0.41		01H	01H
28	17	DSI	0.83	51		P1	01H	0.03			TEH	TEC
28	17	DSI	0.27	57		P1	02H	-0.10			TEH	TEC
28	17	DSI	0.63	24		P1	03H	0.10			TEH	TEC
28	17	MAI	0.55	102		6	01H	0.06	0.46		01H	01H
28	17	SAI	0.22	84		6	03H	0.00	0.17		03H	03H
28	27	DSI	1.74	45		P1	01H	0.00			TEH	TEC
28	27	SAI	1.86	61		6	01H	0.04	0.61		01H	01H
28	28	DSI	0.56	125		P1	02H	0.00			TEH	TEC
28	29	DSI	0.72	161		P1	01H	-0.10			TEH	TEC
28	32	DSI	0.88	41		P1	01H	0.00			TEH	TEC
28	32	DSI	0.56	112		P1	02H	0.08			TEH	TEC
28	32	MAI	0.55	98		6	01H	0.03	0.69		01H	01H
28	34	DSI	0.27	30		P1	03H	0.05			TEH	TEC
28	34	MAI	0.29	111		6	03H	0.01	0.46		03H	03H
28	36	DSI	0.70	56		P1	01H	-0.10			STH	TEC
28	36	DSI	0.72	105		P1	02H	-0.08			STH	TEC
28	37	DSI	0.43	68		P1	01H	0.00			TEH	TEC
28	40	DSI	0.53	88		P1	02H	-0.05			TEH	TEC
28	41	DSI	1.13	86		P1	01H	0.10			TEH	TEC
28	41	DSI	1.24	102		P1	02H	-0.15			TEH	TEC
28	43	DSI	0.88	79		P1	01H	0.08			TEH	TEC
28	44	DSI	0.39	99		P1	02H	-0.02			TEH	TEC
28	45	DSI	1.00	65		P1	01H	0.18			TEH	TEC
28	45	DSI	0.77	40		P1	02H	0.00			TEH	TEC
28	45	SAI	0.32	107		6	02H	0.00	0.36		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
28	46	DSI	0.97	112		P1	01H	-0.22			TEH	TEC
28	46	DSI	0.84	76		P1	02H	0.10			TEH	TEC
28	48	DSI	1.14	53		P1	01H	0.05			TEH	TEC
28	48	SAI	0.42	100		6	01H	0.10	0.51		01H	01H
28	50	DSI	0.95	76		P1	01H	0.17			TEH	TEC
28	53	DSI	0.79	20		P1	02H	0.00			TEH	TEC
28	53	SAI	0.14	87		6	02H	-0.01	0.30		02H	02H
28	54	DSI	0.37	56		P1	01H	0.05			TEH	TEC
28	56	DSI	0.74	123		P1	01H	0.15			TEH	TEC
28	57	DSI	0.88	35		P1	01H	0.02			TEH	TEC
28	57	DSI	1.14	45		P1	02H	0.00			TEH	TEC
28	57	MAI	0.38	95		6	01H	0.09	0.71		01H	01H
28	57	MAI	0.18	112		6	02H	-0.05	0.58		02H	02H
28	60	DSI	1.03	141		P1	02H	0.28			1SH	TEC
28	60	DSI	0.50	63		P1	03H	0.05			1SH	TEC
28	61	DSI	0.59	80		P1	01H	-0.12			TEH	TEC
28	62	DSI	0.30	128		P1	01H	0.08			TEH	TEC
28	63	DSI	1.06	80		P1	01H	0.10			TEH	TEC
28	63	DSI	0.50	109		P1	02H	-0.13			TEH	TEC
28	64	DSI	0.76	28		P1	01H	0.08			TEH	TEC
28	64	SAI	0.28	85		6	01H	-0.01	0.67		01H	01H
28	65	DSI	0.95	43		P1	02H	0.10			TEH	TEC
28	65	SAI	0.35	87		6	02H	0.06	0.57		02H	02H
28	67	DSI	0.47	34		P1	02H	0.15			TEH	TEC
28	67	SAI	0.15	87		6	02H	0.06	0.35		02H	02H
28	68	DSI	0.90	38		P1	02H	0.13			TEH	TEC
28	68	MAI	0.38	98		6	02H	0.03	0.52		02H	02H
28	69	DSI	0.86	53		P1	02H	0.10			TEH	TEC
28	69	DSI	0.74	70		P1	03H	-0.18			TEH	TEC
28	69	MAI	0.41	110		6	02H	0.08	0.62		02H	02H
28	71	DSI	0.56	41		P1	01H	0.00			TEH	TEC
28	71	DSI	0.66	37		P1	02H	0.08			TEH	TEC
28	71	DSI	0.57	63		P1	03H	0.03			TEH	TEC
28	71	MAI	0.23	102		6	01H	-0.13	0.57		01H	01H
28	71	SAI	0.29	106		6	02H	0.06	0.57		02H	02H
28	72	DSI	0.86	40		P1	01H	0.05			TEH	TEC
28	72	MAI	0.44	97		6	01H	0.06	0.40		01H	01H
28	75	DSI	0.76	20		P1	02H	0.03			TEH	TEC
28	78	DSI	0.26	37		P1	01H	0.10			TEH	TEC
28	79	DSI	0.66	127		P1	01H	-0.15			TEH	TEC
28	83	DSI	0.31	35		P1	03H	0.00			TEH	TEC
28	83	DSI	0.54	50		P1	04H	0.00			TEH	TEC
28	83	SAI	0.29	93		6	04H	0.00	0.29		04H	04H
28	84	PCT	0.58	138	0	P1	01C	-0.15			TEH	TEC
28	85	PCT	0.29	0	18	3	01C	-0.03			01C	01C
28	85	VOL	0.61	60		6	01C	-0.03			01C	01C
29	14	PCT	0.64	125	2	P1	01C	-0.41			TEH	TEC
29	15	DSI	1.23	129		P1	02H	0.10			TEH	TEC
29	15	DSI	0.41	33		P1	03H	0.00			TEH	TEC
29	15	SPR	1.74	128		P1	01H	0.00			TEH	TEC
29	15	SAI	0.22	83		6	01H	0.00	0.52		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
29	18	DSI	0.35	41		P1	01H	0.08			TEH	TEC
29	21	DSI	1.11	63		P1	01H	0.00			TEH	TEC
29	21	DSI	0.97	77		P1	02H	0.00			TEH	TEC
29	21	DSI	0.63	62		P1	03H	0.08			TEH	TEC
29	23	DSI	1.04	61		P1	01H	0.05			TEH	TEC
29	23	DSI	1.06	74		P1	02H	0.00			TEH	TEC
29	28	DSI	0.53	14		P1	02H	0.13			TEH	TEC
29	28	DSI	1.10	42		P1	03H	-0.08			TEH	TEC
29	28	SAI	0.28	87		6	02H	0.14	0.23		02H	02H
29	28	SAI	0.46	92		6	03H	-0.12	0.36		03H	03H
29	34	PCT	1.27	0	17	P2	AV3	-0.30			TEH	TEC
29	34	PCT	2.46	0	28	P2	AV4	0.03			TEH	TEC
29	36	DSI	1.17	39		P1	01H	0.00			TEH	TEC
29	36	DSI	1.73	19		P1	02H	0.00			TEH	TEC
29	36	MAI	0.28	106		6	01H	-0.09	0.43		01H	01H
29	36	SAI	0.20	96		6	02H	-0.02	0.46		02H	02H
29	41	DSI	1.25	34		P1	01H	0.03			STH	TEC
29	41	SAI	1.86	100		2	01H	0.03	0.68		01H	01H
29	43	PCT	1.24	0	18	P2	AV4	0.00			TEH	TEC
29	44	DSI	1.44	68		P1	01H	-0.02			TEH	TEC
29	44	SAI	0.96	98		6	01H	-0.01	0.50		01H	01H
29	46	DSI	1.01	47		P1	01H	-0.07			TEH	TEC
29	46	DSI	1.44	21		P1	02H	0.15			TEH	TEC
29	46	MAI	0.44	83		6	01H	0.06	0.46		01H	01H
29	47	DSI	0.61	54		P1	01H	-0.02			TEH	TEC
29	47	MAI	0.49	112		6	01H	0.01	0.34		01H	01H
29	50	DSI	0.50	48		P1	01H	0.05			TEH	TEC
29	50	SAI	0.26	90		6	01H	-0.02	0.31		01H	01H
29	51	DSI	0.82	50		P1	01H	0.00			TEH	TEC
29	51	SAI	0.83	98		6	01H	0.03	0.41		01H	01H
29	52	DSI	0.58	58		P1	02H	0.08			TEH	TEC
29	54	DSI	0.48	34		P1	01H	0.00			TEH	TEC
29	54	SAI	0.29	107		6	01H	-0.04	0.44		01H	01H
29	59	DSI	1.59	91		P1	01H	0.10			TEH	TEC
29	59	DSI	1.12	97		P1	02H	0.13			TEH	TEC
29	59	SAI	0.80	100		6	01H	-0.08	0.60		01H	01H
29	61	DSI	0.70	67		P1	01H	0.12			TEH	TEC
29	61	DSI	0.41	88		P1	02H	-0.02			TEH	TEC
29	62	DSI	0.43	133		P1	01H	0.13			TEH	TEC
29	62	DSI	0.55	164		P1	02H	-0.05			TEH	TEC
29	62	DSI	0.98	97		P1	03H	-0.28			TEH	TEC
29	63	DSI	0.93	92		P1	01H	0.08			TEH	TEC
29	63	DSI	1.61	88		P1	02H	-0.20			TEH	TEC
29	63	DSI	0.72	136		P1	03H	0.20			TEH	TEC
29	63	MAI	0.56	99		6	02H	0.01	0.68		02H	02H
29	64	DSI	0.95	54		P1	01H	-0.02			TEH	TEC
29	64	SAI	0.45	97		6	01H	-0.04	0.53		01H	01H
29	67	DSI	0.41	156		P1	01H	0.13			TEH	TEC
29	67	DSI	0.79	53		P1	02H	0.05			TEH	TEC
29	67	MAI	0.33	97		6	02H	-0.02	0.42		02H	02H
29	68	DSI	0.18	8		P1	03H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
29	69	DSI	0.44	100		P1	01H	0.18			TEH	TEC
29	77	DSI	0.47	84		P1	06H	0.03			TEH	TEC
29	84	PCT	0.81	129	0	P1	03C	-0.10			TEH	TEC
30	13	VOL	0.91	73		6	02C	0.05			02C	02C
30	13	PCT	0.51	0	33	3	02C	0.05			02C	02C
30	14	PCT	1.23	126	6	P1	01C	-0.25			TEH	TEC
30	15	DSI	0.94	133		P1	01H	0.20			TEH	TEC
30	15	PSI	16.56	151		8	07C	0.30			TEH	TEC
30	15	CSI	0.76	161		9	07C	0.16		34	07C	07C
30	16	DSI	0.72	41		P1	01H	0.03			TEH	TEC
30	16	PCT	0.64	0	38	3	01C	-0.17			01C	01C
30	16	VOL	1.30	49		6	01C	-0.17			01C	01C
30	18	DSI	0.44	30		P1	01H	0.08			TEH	TEC
30	18	MAI	0.24	82		6	01H	0.07	0.44		01H	01H
30	19	DSI	0.85	41		P1	01H	0.10			TEH	TEC
30	19	MAI	0.18	87		6	01H	0.05	0.49		01H	01H
30	22	DSI	0.77	114		P1	02H	0.15			TEH	TEC
30	24	DSI	0.49	73		P1	01H	0.03			TEH	TEC
30	24	DSI	1.24	69		P1	03H	0.00			TEH	TEC
30	27	DSI	0.81	159		P1	01H	0.10			TEH	TEC
30	29	DSI	1.09	58		P1	01H	-0.03			TEH	TEC
30	29	DSI	0.61	99		P1	02H	0.31			TEH	TEC
30	29	DSI	1.02	158		P1	03H	-0.08			TEH	TEC
30	29	DNT	3.13	172		P1	04H	0.20			TEH	TEC
30	29	MAI	0.27	106		6	04H	-0.22	0.67		04H	04H
30	30	DSI	0.61	22		P1	02H	0.03			TEH	TEC
30	30	SAI	0.20	115		6	02H	-0.11	0.43		02H	02H
30	32	DSI	0.55	74		P1	02H	0.20			TEH	TEC
30	33	DNT	2.43	191		P1	01H	-0.28			TEH	TEC
30	33	DSI	0.91	56		P1	02H	0.03			TEH	TEC
30	33	DSI	0.74	56		P1	03H	0.05			TEH	TEC
30	33	MAI	0.22	107		6	01H	0.10	0.35		01H	01H
30	34	DSI	0.76	21		P1	02H	0.10			TEH	TEC
30	34	SAI	0.19	89		6	02H	0.08	0.41		02H	02H
30	35	DSI	0.73	95		P1	01H	0.03			TEH	TEC
30	35	DSI	0.83	10		P1	02H	0.18			TEH	TEC
30	35	SAI	0.26	97		6	02H	-0.13	0.48		02H	02H
30	36	DSI	0.81	95		P1	03H	-0.18			2SH	TEC
30	36	DSI	0.67	115		P1	04H	0.31			2SH	TEC
30	37	DSI	0.22	28		P1	01H	0.03			TEH	TEC
30	38	DSI	0.34	100		P1	02H	0.15			TEH	TEC
30	42	DSI	1.06	57		P1	01H	0.00			TEH	TEC
30	45	DSI	1.30	88		P1	02H	0.25			TEH	TEC
30	45	DSI	1.03	93		P1	04H	-0.21			TEH	TEC
30	45	DSI	0.90	89		P1	05H	0.31			TEH	TEC
30	45	MAI	0.62	99		6	02H	-0.04	0.70		02H	02H
30	48	DSI	0.61	70		P1	01H	0.12			TEH	TEC
30	51	DSI	0.84	43		P1	02H	0.10			TEH	TEC
30	51	SAI	0.42	105		6	02H	0.08	0.46		02H	02H
30	53	PCT	1.56	0	21	P2	AV1	0.43			TEH	TEC
30	53	PCT	2.58	0	30	P2	AV2	0.48			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
30	54	DSI	0.40	141		P1	01H	0.10			TEH	TEC
30	55	DSI	1.07	66		P1	01H	0.05			TEH	TEC
30	57	DSI	0.35	59		P1	01H	0.07			TEH	TEC
30	58	DSI	0.32	52		P1	02H	-0.02			TEH	TEC
30	58	SAI	0.79	92		6	02H	-0.12	0.62		02H	02H
30	61	DSI	0.83	31		P1	01H	-0.02			TEH	TEC
30	61	SAI	0.32	92		6	01H	-0.06	0.27		01H	01H
30	70	DSI	0.68	43		P1	02H	-0.10			TEH	TEC
30	70	SAI	0.37	100		6	02H	0.09	0.57		02H	02H
30	73	DSI	0.80	65		P1	01H	-0.02			TEH	TEC
30	74	DSI	0.73	63		P1	01H	0.00			TEH	TEC
30	75	DSI	1.20	73		P1	01H	0.13			TEH	TEC
30	75	DSI	0.50	42		P1	02H	0.03			TEH	TEC
30	77	DSI	0.62	22		P1	02H	0.00			TEH	TEC
30	77	DSI	0.65	90		P1	04H	0.03			TEH	TEC
30	77	SAI	0.24	93		6	02H	0.01	0.48		02H	02H
30	81	PCT	0.70	142	0	P1	03C	-0.13			TEH	TEC
31	20	DSI	1.34	48		P1	01H	0.00			TEH	TEC
31	20	MAI	0.44	105		6	01H	0.04	0.46		01H	01H
31	21	NQI	0.65	91		3	05H	19.74			TEH	TEC
31	21	NQI	0.77	108		3	05H	39.17			TEH	TEC
31	22	DSI	0.54	96		P1	02H	0.00			TEH	TEC
31	24	DSI	0.38	24		P1	02H	-0.03			TEH	TEC
31	26	DSI	0.65	52		P1	02H	0.10			TEH	TEC
31	26	DSI	0.87	100		P1	03H	0.20			TEH	TEC
31	26	SAI	0.45	105		6	02H	0.00	0.34		02H	02H
31	30	DSI	0.85	34		P1	01H	0.08			TEH	TEC
31	30	DSI	0.52	53		P1	02H	-0.08			TEH	TEC
31	30	SAI	0.27	101		6	01H	0.02	0.41		01H	01H
31	30	MAI	0.20	108		6	02H	0.14	0.41		02H	02H
31	32	DSI	0.45	77		P1	01H	0.10			TEH	TEC
31	35	PCT	1.01	34	16	P2	AV2	0.35			TEH	TEC
31	35	PCT	0.58	120	10	P2	AV4	-0.03			TEH	TEC
31	36	DSI	0.71	58		P1	01H	0.05			TEH	TEC
31	36	DSI	0.58	50		P1	02H	0.05			TEH	TEC
31	36	SAI	0.18	117		6	02H	-0.06	0.28		02H	02H
31	38	DSI	0.34	55		P1	01H	0.00			TEH	TEC
31	38	SAI	0.33	98		6	01H	0.00	0.46		01H	01H
31	39	DSI	0.97	64		P1	01H	0.05			TEH	TEC
31	39	DSI	1.39	75		P1	02H	0.08			TEH	TEC
31	39	SAI	0.72	85		6	02H	-0.10	0.55		02H	02H
31	40	DSI	0.35	114		P1	01H	0.05			TEH	TEC
31	41	DSI	0.73	30		P1	01H	0.08			TEH	TEC
31	41	DSI	0.76	58		P1	02H	0.03			TEH	TEC
31	41	SAI	0.25	93		6	01H	-0.12	0.41		01H	01H
31	42	DSI	1.53	93		P1	01H	0.27			TEH	TEC
31	42	DSI	0.81	74		P1	02H	0.08			TEH	TEC
31	42	SAI	0.59	96		6	01H	0.22	0.48		01H	01H
31	44	DSI	0.54	93		P1	01H	0.12			TEH	TEC
31	48	DSI	0.81	77		P1	01H	-0.02			TEH	TEC
31	50	DSI	0.59	51		P1	01H	0.10			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
31	50	DSI	0.54	45		P1	02H	0.13			TEH	TEC
31	50	MAI	0.16	104		6	01H	-0.06	0.51		01H	01H
31	50	SAI	0.21	83		6	02H	0.02	0.21		02H	02H
31	52	DSI	0.48	112		P1	01H	0.13			TEH	TEC
31	52	DSI	0.85	51		P1	02H	0.03			TEH	TEC
31	52	MAI	0.35	91		6	02H	0.00	0.46		02H	02H
31	54	DSI	0.29	106		P1	01H	0.05			TEH	TEC
31	54	DSI	0.24	52		P1	02H	0.00			TEH	TEC
31	54	MAI	0.25	66		6	02H	-0.03	0.40		02H	02H
31	56	DSI	0.84	66		P1	01H	0.03			TEH	TEC
31	59	DSI	0.56	119		P1	01H	0.00			TEH	TEC
31	60	DSI	0.28	40		P1	01H	0.05			TEH	TEC
31	60	DSI	0.85	103		P1	02H	-0.15			TEH	TEC
31	60	DSI	0.16	55		P1	03H	0.00			TEH	TEC
31	60	SAI	0.28	107		6	03H	-0.09	0.19		03H	03H
31	62	DSI	2.07	96		P1	01H	0.00			TEH	TEC
31	62	SAI	1.86	87		6	01H	0.00	0.44		01H	01H
31	64	DSI	0.35	60		P1	02H	0.00			TEH	TEC
31	68	DSI	0.77	75		P1	01H	0.10			TEH	TEC
31	68	DSI	1.62	71		P1	02H	0.08			TEH	TEC
31	68	SAI	1.20	84		6	02H	0.01	0.51		02H	02H
31	69	PCT	1.07	0	13	P2	AV1	0.13			TEH	TEC
31	71	DSI	0.33	72		P1	01H	0.10			TEH	TEC
31	72	DSI	0.97	108		P1	01H	0.18			TEH	TEC
31	74	DSI	0.41	29		P1	01H	0.02			TEH	TEC
31	74	SAI	0.22	107		6	01H	0.07	0.25		01H	01H
32	22	DSI	0.78	86		P1	02H	0.03			TEH	TEC
32	24	DSI	0.39	39		P1	01H	0.05			TEH	TEC
32	24	DSI	0.81	35		P1	02H	0.03			TEH	TEC
32	24	SAI	0.51	99		6	01H	-0.04	0.56		01H	01H
32	24	MAI	0.23	112		6	02H	-0.01	0.50		02H	02H
32	25	DSI	0.79	76		P1	01H	-0.15			TEH	TEC
32	33	DSI	0.33	32		P1	02H	0.03			TEH	TEC
32	33	SAI	0.18	108		6	02H	0.02	0.23		02H	02H
32	34	DSI	1.15	51		P1	01H	0.12			TEH	TEC
32	34	DSI	0.48	35		P1	03H	0.00			TEH	TEC
32	34	SAI	0.50	97		6	01H	0.02	0.41		01H	01H
32	34	SAI	0.28	115		6	03H	0.02	0.56		03H	03H
32	35	DSI	0.79	37		P1	01H	0.05			TEH	TEC
32	35	SAI	0.37	95		6	01H	-0.04	0.31		01H	01H
32	38	DSI	0.77	73		P1	01H	0.02			TEH	TEC
32	38	DSI	0.67	41		P1	02H	-0.05			TEH	TEC
32	38	SAI	0.30	106		6	02H	0.05	0.41		02H	02H
32	39	DSI	0.66	159		P1	01H	-0.07			TEH	TEC
32	40	DSI	0.71	43		P1	01H	0.10			TEH	TEC
32	40	SAI	0.91	92		6	01H	-0.03	0.73		01H	01H
32	45	DSI	0.98	78		P1	01H	0.10			TEH	TEC
32	46	DSI	0.37	47		P1	02H	0.08			TEH	TEC
32	46	SAI	0.18	104		6	02H	-0.04	0.33		02H	02H
32	49	DSI	0.55	93		P1	02H	0.23			TEH	TEC
32	49	SSA	3.26	165		6	AV3	10.23			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
32	49	SSA	0.23	126		3	AV1	9.22			07H	07C
32	49	SSA	0.25	122		3	AV3	16.62			07H	07C
32	51	DSI	1.03	104		P1	01H	-0.05			TEH	TEC
32	52	DSI	0.43	98		P1	01H	0.08			TEH	TEC
32	54	DSI	1.24	82		P1	01H	0.05			TEH	TEC
32	56	DSI	0.58	56		P1	02H	0.08			TEH	TEC
32	56	DNI	0.44	43		5	02H	36.07			TEH	TEC
32	56	SAI	0.32	103		6	02H	-0.07	0.52		02H	03H
32	60	DSI	0.29	118		P1	01H	0.03			TEH	TEC
32	61	DSI	0.50	23		P1	01H	0.05			TEH	TEC
32	61	SAI	0.26	97		6	01H	0.10	0.67		01H	01H
32	62	DSI	0.67	129		P1	01H	0.20			TEH	TEC
32	62	DSI	0.74	55		P1	02H	0.00			TEH	TEC
32	62	SAI	0.32	105		6	02H	0.01	0.25		02H	02H
32	65	DSI	0.37	62		P1	02H	-0.03			TEH	TEC
32	70	DSI	0.51	38		P1	02H	0.13			TEH	TEC
32	71	DSI	0.31	33		P1	02H	0.05			TEH	TEC
33	17	PCT	0.60	134	0	P1	03C	-0.10			TEH	TEC
33	17	PCT	0.20	0	0	3	03C	-0.03			03C	03C
33	17	VOL	0.39	111		6	03C	-0.03			03C	03C
33	23	DSI	0.81	37		P1	02H	0.10			TEH	TEC
33	23	SAI	0.31	95		6	02H	0.03	0.54		02H	02H
33	27	DSI	0.77	45		P1	01H	-0.05			TEH	TEC
33	27	MAI	0.34	80		6	01H	-0.07	0.38		01H	01H
33	28	DSI	0.28	153		P1	01H	0.13			TEH	TEC
33	33	DSI	1.26	108		P1	01H	0.28			TEH	TEC
33	33	DSI	0.85	29		P1	02H	0.08			TEH	TEC
33	33	SAI	0.30	114		6	02H	0.02	0.48		02H	02H
33	36	DSI	0.54	53		P1	02H	0.05			TEH	TEC
33	36	SAI	0.44	94		6	02H	0.04	0.49		02H	02H
33	37	DSI	0.69	96		P1	01H	0.13			TEH	TEC
33	38	DSI	0.84	38		P1	01H	0.02			TEH	TEC
33	38	SAI	0.50	96		6	01H	0.06	0.44		01H	01H
33	40	DSI	0.53	89		P1	01H	0.00			TEH	TEC
33	40	DSI	0.55	56		P1	02H	0.10			TEH	TEC
33	40	DSI	0.59	89		P1	03H	0.13			TEH	TEC
33	43	PCT	1.22	0	18	P2	AV1	0.00			07H	TEC
33	43	PCT	1.19	0	18	P2	AV2	-0.18			07H	TEC
33	43	PCT	2.19	0	27	P2	AV3	-0.05			07H	TEC
33	43	PCT	1.10	0	16	P2	AV4	0.00			07H	TEC
33	43	DSI	0.78	76		P1	01H	0.00			TEH	TEC
33	43	PCT	1.30	0	18	P2	AV1	0.00			TEH	TEC
33	43	PCT	1.03	0	15	P2	AV2	0.00			TEH	TEC
33	43	PCT	2.27	0	27	P2	AV3	0.00			TEH	TEC
33	43	PCT	1.47	0	20	P2	AV4	0.00			TEH	TEC
33	50	DSI	0.72	149		P1	01H	0.10			TEH	TEC
33	50	DSI	0.49	116		P1	02H	-0.07			TEH	TEC
33	50	SPR	1.51	107		P1	04H	0.00			TEH	TEC
33	50	SAI	0.24	107		6	04H	0.29	0.25		04H	04H
33	52	PCT	1.40	0	20	P2	AV4	2.41			07H	TEC
33	52	PCT	1.67	0	22	P2	AV4	0.00			07H	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
33	52	PCT	0.80	0	12	P2	AV4	-2.36			TEH	TEC
33	52	PCT	0.92	0	13	P2	AV4	2.36			TEH	TEC
33	53	DSI	0.48	52		P1	02H	0.08			TEH	TEC
33	53	SAI	0.24	124		6	02H	0.08	0.42		02H	02H
33	62	DSI	0.85	69		P1	02H	0.13			TEH	TEC
33	62	DSI	0.65	37		P1	03H	0.00			TEH	TEC
33	62	SAI	0.42	89		6	03H	-0.02	0.42		03H	03H
33	66	DSI	0.73	36		P1	02H	0.00			TEH	TEC
33	67	DSI	0.32	122		P1	01H	0.10			TEH	TEC
33	76	DSI	0.65	75		P1	02H	0.30			TEH	TEC
34	17	VOL	1.24	66		6	01C	-0.08			01C	01C
34	17	PCT	0.66	0	38	3	01C	-0.08			01C	01C
34	17	VOL	0.44	75		6	02C	-0.03			02C	02C
34	17	PCT	0.24	0	12	3	02C	-0.03			02C	02C
34	19	PCT	0.67	126	0	P1	02C	-0.25			TEH	TEC
34	20	DSI	0.83	88		P1	01H	0.05			TEH	TEC
34	20	DSI	0.54	58		P1	02H	0.05			TEH	TEC
34	20	SPR	1.64	143		P1	03H	0.00			TEH	TEC
34	20	MAI	0.29	110		6	03H	0.09	0.50		03H	03H
34	26	DSI	0.48	46		P1	01H	0.05			TEH	TEC
34	26	DSI	0.92	56		P1	02H	0.05			TEH	TEC
34	26	DSI	0.36	49		P1	03H	0.08			TEH	TEC
34	26	SAI	0.26	109		6	01H	0.03	0.75		01H	01H
34	26	MAI	0.18	94		6	03H	-0.03	0.72		03H	03H
34	27	DSI	0.90	44		P1	01H	0.03			TEH	TEC
34	27	DSI	0.96	42		P1	02H	0.05			TEH	TEC
34	27	MAI	0.21	102		6	01H	-0.06	0.61		01H	01H
34	27	MAI	0.22	105		6	02H	0.02	0.42		02H	02H
34	28	DSI	0.62	83		P1	01H	0.03			TEH	TEC
34	28	DSI	0.59	71		P1	02H	0.05			TEH	TEC
34	30	DSI	1.28	45		P1	01H	0.00			TEH	TEC
34	30	MAI	0.86	87		6	01H	-0.08	0.74		01H	01H
34	31	DSI	0.69	80		P1	01H	-0.03			TEH	TEC
34	31	DSI	0.63	104		P1	02H	0.10			TEH	TEC
34	31	DSI	0.61	8		P1	04H	0.03			TEH	TEC
34	31	SAI	0.19	123		6	04H	0.04	0.33		04H	04H
34	32	DSI	1.48	62		P1	01H	0.10			TEH	TEC
34	32	DSI	0.52	73		P1	02H	0.08			TEH	TEC
34	32	MAI	0.60	81		6	01H	0.07	0.72		01H	01H
34	33	DSI	1.10	34		P1	01H	0.05			TEH	TEC
34	33	MAI	0.43	91		6	01H	0.00	0.51		01H	01H
34	36	DSI	0.67	51		P1	02H	0.08			TEH	TEC
34	36	MAI	0.33	80		6	02H	-0.03	0.49		02H	02H
34	38	DSI	0.49	52		P1	01H	0.00			TEH	TEC
34	38	DSI	0.43	47		P1	02H	0.05			TEH	TEC
34	38	SAI	0.28	110		6	01H	-0.01	0.31		01H	01H
34	38	SAI	0.14	115		6	02H	-0.01	0.28		02H	02H
34	40	DSI	0.56	93		P1	02H	-0.07			TEH	TEC
34	42	DSI	0.36	30		P1	01H	0.00			TEH	TEC
34	44	DSI	0.32	115		P1	01H	0.08			TEH	TEC
34	46	DSI	0.40	41		P1	02H	0.10			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
34	48	SSA	2.82	159		6	AV3	0.00			TEH	TEC
34	50	DSI	0.73	75		P1	02H	-0.02			TEH	TEC
34	51	DSI	0.57	63		P1	02H	-0.18			TEH	TEC
34	53	DSI	0.79	70		P1	02H	0.00			TEH	TEC
34	58	DSI	1.38	69		P1	02H	-0.23			TEH	TEC
34	58	MAI	0.43	106		6	02H	-0.08	0.33		02H	02H
34	61	DSI	0.79	45		P1	01H	0.05			TEH	TEC
34	61	DSI	0.96	78		P1	02H	-0.02			TEH	TEC
34	61	SAI	0.34	112		6	01H	0.00	0.28		01H	01H
34	63	DSI	0.87	117		P1	01H	0.15			TEH	TEC
34	63	DSI	0.86	87		P1	02H	-0.15			TEH	TEC
34	63	DSI	0.46	86		P1	04H	-0.28			TEH	TEC
34	64	DSI	0.44	111		P1	01H	0.03			TEH	TEC
34	64	DSI	1.21	37		P1	02H	-0.05			TEH	TEC
34	64	SAI	0.18	110		6	02H	0.06	0.35		02H	02H
34	65	DSI	1.18	36		P1	01H	0.03			TEH	TEC
34	65	SAI	0.29	93		6	01H	0.01	0.21		01H	01H
34	67	DSI	0.36	42		P1	02H	0.03			TEH	TEC
34	67	MAI	0.36	120		6	02H	0.11	0.56		02H	02H
34	70	DSI	0.46	99		P1	01H	0.20			TEH	TEC
34	70	SAI	0.35	110		6	01H	0.04	0.39		TSH	01H
34	73	DSI	0.97	47		P1	01H	0.10			TEH	TEC
34	73	MAI	0.39	88		6	01H	0.02	0.49		01H	01H
35	17	PCT	1.41	114	29	P1	02C	-0.13			TEH	TEC
35	18	PCT	0.76	139	0	P1	03C	-0.13			TEH	TEC
35	18	PCT	0.32	0	21	3	02C	0.18			02C	02C
35	18	VOL	0.65	62		6	02C	0.18			02C	02C
35	18	PCT	0.33	0	21	3	02C	-0.21			02C	02C
35	18	VOL	0.60	61		6	02C	-0.21			02C	02C
35	23	DSI	0.53	74		P1	03H	0.00			TEH	TEC
35	26	DSI	0.36	49		P1	01H	0.00			TEH	TEC
35	26	SAI	0.18	91		6	01H	-0.08	0.39		01H	01H
35	27	SAI	0.89	15		6	TSH	-0.18	0.21		TSH	TSH
35	28	DSI	0.83	93		P1	01H	-0.05			TEH	TEC
35	28	DSI	0.38	63		P1	02H	0.08			TEH	TEC
35	28	DSI	1.48	68		P1	03H	0.18			TEH	TEC
35	28	DSI	0.69	80		P1	04H	-0.20			TEH	TEC
35	28	MAI	0.25	76		6	03H	-0.07	0.53		03H	03H
35	32	DSI	0.86	25		P1	01H	0.00			TEH	TEC
35	32	SAI	0.24	128		6	01H	0.13	0.68		01H	01H
35	33	DSI	0.81	53		P1	01H	0.03			TEH	TEC
35	33	SAI	0.26	91		6	01H	0.00	0.41		01H	01H
35	36	DSI	0.39	70		P1	02H	0.03			TEH	TEC
35	39	DSI	0.74	56		P1	02H	0.15			TEH	TEC
35	53	DSI	0.33	59		P1	02H	0.13			TEH	TEC
35	54	DSI	0.44	40		P1	02H	0.15			TEH	TEC
35	54	SAI	0.17	123		6	02H	-0.07	0.45		02H	02H
35	63	DSI	1.29	155		P1	02H	0.05			TEH	TEC
35	63	MAI	0.41	95		6	02H	-0.16	0.74		02H	02H
35	66	DSI	0.30	50		P1	02H	0.13			TEH	TEC
35	66	MAI	0.45	83		6	02H	-0.04	0.62		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
35	70	DSI	0.90	96		P1	01H	0.25			TEH	TEC
35	70	DSI	1.62	80		P1	02H	0.20			TEH	TEC
35	70	DSI	1.23	95		P1	03H	0.13			TEH	TEC
35	70	MAI	0.39	113		6	02H	0.08	0.48		02H	02H
35	71	DSI	1.01	71		P1	02H	0.15			TEH	TEC
35	71	DSI	0.74	121		P1	03H	0.23			TEH	TEC
35	72	DSI	1.29	25		P1	01H	0.10			TEH	TEC
35	72	DSI	1.57	27		P1	03H	0.13			TEH	TEC
35	72	SAI	0.51	91		6	01H	-0.24	0.32		01H	01H
35	72	MAI	0.28	85		6	03H	0.01	0.23		03H	03H
35	77	PCT	0.66	140	0	P1	01C	-0.03			TEH	TEC
35	77	PCT	0.90	140	0	P1	02C	-0.15			TEH	TEC
35	77	PCT	0.45	145	0	P1	04C	-0.05			TEH	TEC
35	77	VOL	0.36	287		6	01C	-0.03			01C	01C
35	77	PCT	0.19	0	0	3	01C	-0.03			01C	01C
35	77	PCT	0.22	0	4	3	02C	-0.06			02C	02C
35	77	VOL	0.41	282		6	02C	-0.06			02C	02C
35	77	VOL	0.30	100		6	04C	0.02			04C	04C
35	77	PCT	0.18	0	0	3	04C	0.02			04C	04C
36	20	PCT	0.32	0	21	3	01C	-0.19			01C	01C
36	20	VOL	0.56	65		6	01C	-0.19			01C	01C
36	20	PCT	0.08	0	0	3	02C	0.11			02C	02C
36	20	VOL	0.18	64		6	02C	0.11			02C	02C
36	22	PCT	0.47	0	31	3	01C	-0.08			01C	01C
36	22	VOL	1.03	35		6	01C	-0.08			01C	01C
36	24	DSI	0.81	90		P1	01H	0.08			TEH	TEC
36	24	DSI	1.35	52		P1	02H	0.00			TEH	TEC
36	24	DSI	0.79	41		P1	03H	0.00			TEH	TEC
36	24	DSI	0.33	110		P1	05H	-0.03			TEH	TEC
36	24	MAI	0.53	105		6	02H	0.02	0.70		02H	02H
36	24	SAI	0.20	116		6	03H	-0.10	0.53		03H	03H
36	30	DSI	0.77	37		P1	01H	0.00			TEH	TEC
36	30	MAI	0.38	88		6	01H	-0.08	0.65		01H	01H
36	32	DSI	0.59	41		P1	01H	0.08			TEH	TEC
36	32	DSI	0.85	26		P1	02H	0.05			TEH	TEC
36	32	MAI	0.42	97		6	01H	0.06	0.46		01H	01H
36	32	MAI	0.24	103		6	02H	-0.07	0.47		02H	02H
36	33	DSI	0.66	44		P1	01H	0.00			TEH	TEC
36	33	SAI	0.48	96		6	01H	-0.07	0.20		01H	01H
36	34	DSI	0.60	52		P1	01H	0.00			TEH	TEC
36	34	SAI	0.27	117		6	01H	-0.05	0.31		01H	01H
36	35	DSI	1.12	93		P1	01H	0.08			TEH	TEC
36	36	DSI	0.82	111		P1	01H	0.12			TEH	TEC
36	36	DSI	1.59	108		P1	02H	-0.05			TEH	TEC
36	36	DSI	0.70	59		P1	03H	0.00			TEH	TEC
36	36	SAI	0.94	87		6	02H	-0.04	0.70		02H	02H
36	38	DSI	0.56	51		P1	02H	0.08			TEH	TEC
36	38	MAI	0.28	93		6	02H	0.03	0.33		02H	02H
36	39	DSI	0.77	83		P1	02H	-0.18			TEH	TEC
36	39	DSI	1.05	44		P1	03H	0.05			TEH	TEC
36	39	SAI	0.45	88		6	03H	-0.04	0.36		03H	03H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
36	40	DSI	0.20	76		P1	01H	0.10			TEH	TEC
36	40	DSI	1.19	62		P1	02H	0.02			TEH	TEC
36	40	DSI	0.65	39		P1	03H	0.03			TEH	TEC
36	40	MAI	0.17	124		6	03H	-0.01	0.42		03H	03H
36	41	DSI	0.53	104		P1	02H	0.00			TEH	TEC
36	42	DSI	0.43	60		P1	02H	0.13			TEH	TEC
36	47	DSI	0.65	87		P1	02H	0.05			TEH	TEC
36	48	DSI	0.51	129		P1	01H	-0.05			TEH	TEC
36	48	DSI	0.75	59		P1	02H	0.08			TEH	TEC
36	48	DSI	0.38	62		P1	03H	0.00			TEH	TEC
36	49	DSI	0.95	38		P1	03H	0.00			TEH	TEC
36	49	SAI	0.20	72		6	03H	0.00	0.64		03H	03H
36	51	DSI	0.69	77		P1	01H	-0.07			TEH	TEC
36	51	DSI	0.47	134		P1	02H	0.03			TEH	TEC
36	52	DSI	0.76	57		P1	01H	0.02			TEH	TEC
36	52	DSI	1.11	69		P1	02H	0.05			TEH	TEC
36	53	DSI	0.79	46		P1	01H	-0.07			TEH	TEC
36	53	DSI	0.68	79		P1	02H	0.03			TEH	TEC
36	53	MAI	0.26	95		6	01H	-0.12	0.39		01H	01H
36	54	DSI	0.62	98		P1	01H	-0.05			TEH	TEC
36	54	DSI	0.59	69		P1	02H	0.03			TEH	TEC
36	58	DSI	0.86	44		P1	02H	0.05			TEH	TEC
36	58	PCT	1.41	0	20	P2	AV3	0.00			TEH	TEC
36	58	PCT	1.28	0	18	P2	AV4	0.00			TEH	TEC
36	63	DSI	0.81	98		P1	02H	-0.13			TEH	TEC
36	66	DSI	1.55	41		P1	01H	-0.02			TEH	TEC
36	66	DSI	0.69	63		P1	02H	0.28			TEH	TEC
36	66	DSI	1.59	104		P1	03H	-0.28			TEH	TEC
36	66	MAI	1.45	56		6	01H	-0.01	0.73		01H	01H
36	66	MAI	0.28	112		6	03H	-0.01	0.48		03H	03H
36	68	DSI	1.26	43		P1	02H	-0.05			TEH	TEC
36	68	SAI	0.13	81		6	02H	0.04	0.21		02H	02H
36	70	DSI	0.90	34		P1	01H	0.08			TEH	TEC
36	70	MAI	0.38	91		6	01H	0.00	0.64		01H	01H
36	75	PCT	0.38	0	25	3	01C	0.16			01C	01C
36	75	VOL	0.72	57		6	01C	0.16			01C	01C
36	77	PCT	0.45	124	0	P1	03C	-0.23			TEH	TEC
37	19	PCT	1.28	120	10	P1	02C	-0.23			TEH	TEC
37	19	PCT	0.58	126	5	P1	03C	-0.03			TEH	TEC
37	19	PCT	0.43	0	28	3	02C	-0.12			02C	02C
37	19	VOL	0.68	269		6	02C	-0.12			02C	02C
37	19	VOL	0.34	0		6	03C	0.03			03C	03C
37	19	PCT	0.19	0	0	3	03C	0.03			03C	03C
37	22	DSI	0.93	86		P1	03H	0.00			TEH	TEC
37	22	DSI	0.75	73		P1	04H	0.00			TEH	TEC
37	26	DSI	0.88	145		P1	01H	0.13			TEH	TEC
37	26	DSI	0.88	106		P1	02H	-0.08			TEH	TEC
37	26	SPR	1.86	161		P1	04H	0.00			TEH	TEC
37	26	SAI	0.09	80		6	04H	0.20	0.31		04H	04H
37	30	DSI	0.54	85		P1	01H	0.13			TEH	TEC
37	30	DSI	0.82	68		P1	02H	0.13			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
37	31	DSI	0.66	66		P1	01H	0.13			TEH	TEC
37	31	DSI	0.90	51		P1	02H	0.00			TEH	TEC
37	31	MAI	0.31	96		6	02H	-0.05	0.56		02H	02H
37	37	DSI	0.76	56		P1	02H	0.08			TEH	TEC
37	50	DSI	1.00	80		P1	01H	-0.15			TEH	TEC
37	50	DSI	0.51	66		P1	02H	0.20			TEH	TEC
37	57	DSI	0.84	48		P1	02H	0.15			TEH	TEC
37	57	SAI	0.34	96		6	02H	0.01	0.18		02H	02H
37	63	DSI	1.73	101		P1	02H	0.20			TEH	TEC
37	63	DSI	1.01	60		P1	03H	-0.05			TEH	TEC
37	63	MAI	1.11	88		6	02H	0.16	0.54		02H	02H
37	67	DSI	1.39	55		P1	02H	0.03			TEH	TEC
37	67	MAI	0.91	90		6	02H	0.04	0.67		02H	02H
37	69	DSI	0.40	135		P1	01H	-0.20			TEH	TEC
37	69	DSI	0.82	41		P1	02H	0.00			TEH	TEC
37	69	MAI	0.23	105		6	02H	0.14	0.44		02H	02H
37	72	DSI	1.71	89		P1	01H	0.10			TEH	TEC
37	72	MAI	1.11	98		6	01H	0.14	0.63		01H	01H
37	73	DSI	0.87	19		P1	02H	0.08			TEH	TEC
37	73	DSI	0.66	44		P1	03H	0.00			TEH	TEC
37	73	SAI	0.15	73		6	02H	-0.24	0.18		02H	02H
37	73	MAI	0.39	91		6	03H	0.10	0.53		03H	03H
38	21	PCT	0.16	0	0	3	01C	-0.11			01C	01C
38	21	VOL	0.30	50		6	01C	-0.11			01C	01C
38	21	VOL	0.43	55		6	02C	0.05			02C	02C
38	21	PCT	0.21	0	8	3	02C	0.05			02C	02C
38	22	PCT	0.81	123	4	P1	03C	-0.08			TEH	TEC
38	23	PCT	0.56	136	0	P1	01C	0.03			TEH	TEC
38	24	PCT	0.96	128	0	P1	01C	-0.23			TEH	TEC
38	25	PCT	0.44	111	29	P1	01C	-0.05			TEH	TEC
38	30	DSI	0.94	60		P1	01H	0.03			TEH	TEC
38	38	DSI	0.87	38		P1	02H	0.08			TEH	TEC
38	38	MAI	0.31	93		6	02H	-0.02	0.33		02H	02H
38	40	DSI	1.03	68		P1	02H	-0.02			TEH	TEC
38	40	SPR	1.60	124		P1	01H	0.00			TEH	TEC
38	40	SAI	0.33	142		6	01H	-0.10	0.32		01H	01H
38	42	SPR	1.51	111		P1	01H	0.00			TEH	TEC
38	42	SAI	0.14	82		6	01H	0.20	0.14		01H	01H
38	50	DSI	0.81	89		P1	01H	-0.07			TEH	TEC
38	50	DSI	0.91	110		P1	02H	-0.12			TEH	TEC
38	51	DSI	0.39	54		P1	02H	0.20			TEH	TEC
38	51	MAI	0.18	138		6	02H	-0.08	0.66		02H	02H
38	53	DSI	1.89	99		P1	02H	-0.05			TEH	TEC
38	53	MAI	0.66	96		6	02H	-0.02	0.64		02H	02H
38	55	DSI	0.49	132		P1	01H	0.05			TEH	TEC
38	55	DSI	0.83	89		P1	02H	0.10			TEH	TEC
38	55	DSI	0.22	100		P1	03H	-0.03			TEH	TEC
38	62	DSI	0.82	31		P1	02H	0.05			TEH	TEC
38	62	SAI	0.17	81		6	02H	-0.11	0.44		02H	02H
38	65	DSI	0.73	40		P1	02H	-0.03			TEH	TEC
38	65	MAI	0.60	94		6	02H	-0.01	0.56		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
38	69	DSI	0.93	32		P1	01H	0.03			TEH	TEC
38	69	DSI	1.10	61		P1	02H	0.03			TEH	TEC
38	69	DSI	0.36	27		P1	03H	0.03			TEH	TEC
38	69	MAI	0.41	104		6	01H	-0.13	0.69		01H	01H
38	69	MAI	0.33	93		6	03H	0.06	0.51		03H	03H
38	70	DSI	0.68	44		P1	01H	-0.05			TEH	TEC
38	70	DSI	0.96	104		P1	02H	0.18			TEH	TEC
38	70	MAI	0.29	98		6	01H	0.11	0.64		01H	01H
38	74	DSI	1.57	83		P1	01H	0.02			TEH	TEC
38	74	MAI	0.67	110		6	01H	-0.01	0.41		01H	01H
39	23	DSI	0.62	100		P1	03H	0.25			TEH	TEC
39	24	PCT	0.94	119	18	P1	01C	-0.23			TEH	TEC
39	24	PCT	1.48	115	25	P1	02C	-0.10			TEH	TEC
39	26	PCT	0.16	0	0	3	01C	-0.05			01C	01C
39	26	VOL	0.35	51		6	01C	-0.06			01C	01C
39	26	PCT	0.15	0	0	3	02C	-0.20			02C	02C
39	26	VOL	0.27	55		6	02C	-0.20			02C	02C
39	27	PCT	0.67	133	0	P1	01C	-0.20			TEH	TEC
39	27	DSI	0.56	43		P1	02H	0.03			TEH	TEC
39	27	PSI	17.23	146		8	07H	-0.26			TEH	TEC
39	27	PSI	7.68	236		8	07H	-0.23			TEH	TEC
39	27	CSI	0.24	87		11	07H	0.01		38	07H	07H
39	28	DSI	0.55	106		P1	01H	0.18			TEH	TEC
39	28	DSI	1.50	63		P1	03H	0.00			TEH	TEC
39	28	MAI	0.62	97		6	03H	-0.02	0.65		03H	03H
39	30	DSI	0.68	51		P1	01H	0.00			TEH	TEC
39	30	DSI	0.73	62		P1	03H	0.03			TEH	TEC
39	30	DSI	0.65	31		P1	04H	0.05			TEH	TEC
39	30	MAI	0.24	101		6	01H	0.06	0.72		01H	01H
39	30	MAI	0.12	111		6	04H	-0.09	0.25		04H	04H
39	33	DSI	0.90	85		P1	03H	-0.13			TEH	TEC
39	33	DSI	0.51	48		P1	04H	0.05			TEH	TEC
39	33	DSI	0.28	86		P1	05H	0.11			TEH	TEC
39	33	SAI	0.31	126		6	04H	0.04	0.46		04H	04H
39	35	DSI	0.69	36		P1	03H	0.00			TEH	TEC
39	35	SAI	0.45	96		6	03H	0.02	0.25		03H	03H
39	38	DSI	1.04	68		P1	02H	0.05			TEH	TEC
39	38	DSI	0.30	73		P1	03H	0.08			TEH	TEC
39	39	DSI	1.25	48		P1	02H	0.05			TEH	TEC
39	39	MAI	0.38	115		6	02H	0.09	0.43		02H	02H
39	45	DSI	1.77	94		P1	02H	0.30			TEH	TEC
39	45	DSI	0.45	119		P1	03H	-0.18			TEH	TEC
39	45	MAI	0.35	76		6	02H	0.29	0.74		02H	02H
39	47	DSI	0.39	61		P1	02H	0.05			TEH	TEC
39	47	DSI	0.83	53		P1	03H	-0.05			TEH	TEC
39	47	MAI	0.23	104		6	03H	-0.01	0.71		03H	03H
39	50	DSI	1.07	56		P1	02H	0.00			TEH	TEC
39	51	DSI	0.65	45		P1	01H	-0.12			TEH	TEC
39	51	DSI	1.58	85		P1	02H	-0.05			TEH	TEC
39	51	DSI	0.88	31		P1	03H	0.03			TEH	TEC
39	51	SAI	0.27	105		6	01H	0.00	0.54		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
39	51	MAI	0.45	101		6	02H	-0.02	0.69		02H	02H
39	51	SAI	0.25	108		6	03H	0.11	0.54		03H	03H
39	55	PSI	20.79	129		8	06H	0.00			TEH	TEC
39	55	CSI	0.31	80		11	06H	0.00		53	06H	06H
39	57	DSI	1.01	58		P1	02H	0.13			TEH	TEC
39	58	DSI	0.98	85		P1	02H	-0.05			TEH	TEC
39	59	DSI	0.44	83		P1	01H	0.20			TEH	TEC
39	59	DSI	0.68	64		P1	02H	-0.07			TEH	TEC
39	59	DSI	0.35	11		P1	03H	0.03			TEH	TEC
39	59	MAI	0.37	120		6	03H	0.09	0.42		03H	03H
39	73	PCT	1.00	125	0	P1	01C	-0.20			TEH	TEC
40	24	PCT	0.82	134	0	P1	01C	-0.25			TEH	TEC
40	25	PCT	1.23	125	7	P1	01C	0.03			TEH	TEC
40	25	PCT	0.69	122	13	P1	02C	0.05			TEH	TEC
40	25	PCT	0.56	141	0	P1	03C	-0.03			TEH	TEC
40	25	PCT	0.34	0	20	3	01C	0.03			01C	01C
40	25	VOL	0.63	105		6	01C	0.03			01C	01C
40	25	PCT	0.37	0	23	3	02C	0.03			02C	02C
40	25	VOL	0.71	109		6	02C	0.03			02C	02C
40	26	PCT	0.64	135	0	P1	03C	-0.23			TEH	TEC
40	26	PCT	0.14	0	0	3	03C	-0.16			03C	03C
40	26	VOL	0.24	96		6	03C	-0.16			03C	03C
40	27	PCT	2.07	114	29	P1	02C	-0.10			TEH	TEC
40	27	PSI	16.95	147		8	07H	-0.26			TEH	TEC
40	27	PSI	7.45	236		8	07H	-0.08			TEH	TEC
40	27	CSI	0.23	72		11	07H	0.00		42	07H	07H
40	53	DSI	0.91	36		P1	02H	0.05			TEH	TEC
40	53	SAI	0.17	123		6	02H	-0.02	0.34		02H	02H
40	54	DSI	0.82	25		P1	02H	0.05			TEH	TEC
40	54	SAI	0.22	102		6	02H	-0.05	0.47		02H	02H
40	56	DSI	0.75	37		P1	02H	0.08			TEH	TEC
40	56	PSI	16.44	149		8	06H	0.00			TEH	TEC
40	56	SAI	0.25	103		6	02H	-0.02	0.58		02H	02H
40	56	SPR	1.56	87		P1	03H	-0.08			TEH	TEC
40	56	SAI	0.19	107		6	03H	-0.16	0.44		03H	03H
40	56	CSI	0.25	77		11	06H	-0.08		37	06H	06H
40	58	DSI	0.96	23		P1	02H	0.07			TEH	TEC
40	58	MAI	0.28	78		6	02H	0.03	0.64		02H	02H
40	69	PCT	0.31	90	56	P1	03C	0.03			TEH	TEC
40	69	VOL	0.20	88		6	03C	0.07			03C	03C
40	69	PCT	0.13	0	0	3	03C	0.07			03C	03C
40	71	PCT	0.61	127	0	P1	04C	-0.13			TEH	TEC
41	27	PCT	0.81	127	0	P1	01C	0.00			TEH	TEC
41	27	PSI	18.36	146		8	06H	-0.28			TEH	TEC
41	27	PSI	8.32	236		8	06H	-0.26			TEH	TEC
41	27	PSI	18.30	143		8	07H	-0.26			TEH	TEC
41	27	CSI	0.27	78		11	06H	-0.10		47	06H	06H
41	27	CSI	0.24	89		11	07H	-0.05		34	07H	07H
41	29	DSI	0.80	53		P1	01H	0.00			TEH	TEC
41	29	PCT	0.89	148	0	P1	02C	-0.18			TEH	TEC
41	29	PCT	0.47	120	13	P1	03C	-0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
41	29	PSI	17.73	147		8	06H	-0.31			TEH	TEC
41	29	PSI	7.84	236		8	06H	-0.18			TEH	TEC
41	29	SAI	0.35	95		6	01H	0.04	0.64		01H	01H
41	29	CSI	0.20	86		11	06H	0.03		40	06H	06H
41	29	VOL	0.45	278		6	03C	-0.02			03C	03C
41	29	PCT	0.27	0	12	3	03C	-0.02			03C	03C
41	30	PSI	15.33	342		8	07H	0.27			TEH	TEC
41	30	PCT	0.28	0	17	3	01C	0.03			01C	01C
41	30	VOL	0.51	59		6	01C	0.03			01C	01C
41	30	CSI	0.17	68		11	07H	0.21		38	07H	07H
41	32	PCT	0.71	132	0	P1	02C	-0.25			TEH	TEC
41	37	PSI	14.89	338		8	07H	0.00			TEH	TEC
41	37	CSI	0.13	76		11	07H	-0.01		34	07H	07H
41	39	PSI	17.98	138		8	07H	0.00			TEH	TEC
41	39	CSI	0.25	83		11	07H	0.01		38	07H	07H
41	40	PSI	19.30	152		8	07H	-0.28			TEH	TEC
41	40	CSI	0.18	79		11	07H	-0.09		34	07H	07H
41	47	PCT	1.05	0	15	P2	AV4	0.00			TEH	TEC
41	51	DSI	0.57	57		P1	03H	0.03			TEH	TEC
41	54	PSI	16.04	163		8	07C	0.25			TEH	TEC
41	54	PSI	15.34	166		8	07H	-0.34			TEH	TEC
41	58	DSI	0.80	54		P1	03H	0.05			TEH	TEC
41	58	DSI	0.59	62		P1	04H	0.03			TEH	TEC
41	58	PSI	17.98	146		8	06H	0.00			TEH	TEC
41	58	MAI	0.25	100		6	03H	0.16	0.62		03H	03H
41	58	CSI	0.35	79		11	06H	-0.08		45	06H	06H
41	65	PCT	0.92	138	0	P1	01C	-0.33			TEH	TEC
42	32	PCT	0.54	121	11	P1	03C	-0.20			TEH	TEC
42	32	PCT	0.62	0	37	3	02C	-0.06			02C	02C
42	32	VOL	1.18	80		6	02C	-0.06			02C	02C
42	33	PCT	0.51	117	18	P1	02C	0.08			TEH	TEC
42	34	PCT	1.13	0	15	P2	AV3	0.13			TEH	TEC
42	34	PCT	0.31	0	20	3	01C	-0.01			01C	01C
42	34	VOL	0.46	57		6	01C	-0.01			01C	01C
42	35	PCT	0.45	119	16	P1	01C	-0.18			TEH	TEC
42	38	PSI	15.78	142		8	06H	0.00			TEH	TEC
42	38	CSI	0.70	158		9	06H	0.05		90	06H	06H
42	39	PSI	14.45	341		8	07H	0.00			TEH	TEC
42	39	CSI	0.13	71		11	07H	-0.09		34	07H	07H
42	40	PSI	23.38	124		8	07H	-0.26			07H	TEC
42	40	DSI	0.63	42		P1	03H	0.00			TEH	TEC
42	40	PSI	23.20	125		8	07H	-0.26			TEH	TEC
42	40	CSI	0.20	60		11	07H	0.08		53	07H	07H
42	47	PCT	1.03	0	14	P2	AV2	0.00			TEH	TEC
42	47	PCT	1.21	0	16	P2	AV3	0.00			TEH	TEC
42	49	DSI	0.48	27		P1	02H	-0.05			TEH	TEC
42	49	MAI	0.27	118		6	02H	-0.03	0.47		02H	02H
42	53	DSI	0.19	158		P1	01H	0.05			TEH	TEC
42	54	CSI	0.17	71		11	06H	-0.03		41	06H	06H
42	54	PSI	15.74	161		8	06H	-0.31			TEH	TEC
42	56	PSI	17.40	164		8	06H	-0.13			TEH	TEC

Beaver Valley Unit #1
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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
42	56	CSI	0.27	81		11	06H	-0.24		34	06H	06H
42	56	CSI	0.18	89		11	06H	-0.09		49	06H	06H
42	56	CSI	0.88	160		9	06H	-0.07		46	06H	06H
42	56	CSI	0.53	170		9	06H	-0.08		50	06H	06H
42	57	PCT	0.59	126	0	P1	01C	-0.20			TEH	TEC
42	64	DSI	0.31	68		P1	03H	-0.05			TEH	TEC
42	67	PCT	1.19	121	9	P1	03C	-0.18			TEH	TEC
43	30	PCT	1.18	124	1	P1	03C	-0.18			TEH	TEC
43	30	DSI	0.56	82		P1	04H	0.08			TEH	TEC
43	30	PCT	0.45	0	30	3	01C	0.22			01C	01C
43	30	VOL	0.83	46		6	01C	0.22			01C	01C
43	30	PCT	0.58	0	36	3	02C	-0.06			02C	02C
43	30	VOL	1.06	61		6	02C	-0.06			02C	02C
43	31	PCT	1.54	133	0	P1	03C	-0.18			TEH	TEC
43	31	VOL	0.49	99		6	02C	0.00			02C	02C
43	31	PCT	0.24	0	12	3	02C	0.00			02C	02C
43	33	PCT	1.52	122	13	P1	02C	-0.15			TEH	TEC
43	33	DSI	0.26	11		P1	05H	0.08			TEH	TEC
43	34	PCT	1.10	126	0	P1	01C	0.08			TEH	TEC
43	34	PCT	0.61	136	0	P1	03C	-0.05			TEH	TEC
43	39	PCT	0.21	124	6	P1	01C	-0.05			TEH	TEC
43	39	PCT	0.65	130	0	P1	02C	0.18			TEH	TEC
43	39	PSI	14.79	339		8	06H	0.00			TEH	TEC
43	39	CSI	0.77	163		9	06H	-0.01		34	06H	06H
43	45	PCT	0.68	148	0	P1	02C	-0.10			TEH	TEC
43	47	DSI	0.35	143		P1	02H	-0.18			TEH	TEC
43	54	DSI	0.69	61		P1	02H	0.03			TEH	TEC
43	57	DSI	0.60	30		P1	02H	0.00			TEH	TEC
43	57	SAI	0.51	95		6	02H	-0.14	0.49		02H	02H
43	59	PCT	0.50	137	0	P1	03C	-0.13			TEH	TEC
44	37	PCT	1.05	132	0	P1	02C	-0.03			TEH	TEC
44	37	PCT	0.98	124	4	P1	03C	-0.23			TEH	TEC
44	37	VOL	0.74	303		6	03C	-0.19			03C	03C
44	37	PCT	0.32	0	18	3	03C	-0.19			03C	03C
44	38	PCT	1.26	118	14	P1	01C	-0.15			TEH	TEC
44	40	PCT	0.58	136	0	P1	02C	-0.23			TEH	TEC
44	40	PCT	0.73	127	0	P1	03C	-0.25			TEH	TEC
44	40	DSI	0.48	25		P1	05H	0.03			TEH	TEC
44	45	PCT	0.39	151	0	P1	01C	0.05			TEH	TEC
44	47	PCT	1.31	0	17	P2	AV3	0.00			TEH	TEC
44	50	PCT	0.81	130	0	P1	06C	0.15			TEH	TEC
44	53	PCT	0.75	118	14	P1	01C	-0.28			TEH	TEC
44	53	DSI	0.74	107		P1	02H	0.28			TEH	TEC
44	53	DSI	0.46	69		P1	04H	-0.03			TEH	TEC
44	53	PCT	0.09	0	0	3	01C	-0.15			01C	01C
44	53	VOL	0.15	282		6	01C	-0.15			01C	01C
44	53	CSI	0.26	86		11	06H	-0.12		41	06H	06H
44	55	PSI	15.85	339		8	06H	0.00			TEH	TEC
44	55	CSI	0.21	76		11	06H	-0.09		45	06H	06H
44	55	CSI	0.16	68		11	06H	-0.19		34	06H	06H
44	57	PSI	15.89	144		8	06H	-0.08			TEH	TEC

Beaver Valley Unit #1
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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
44	57	CSI	0.25	87		11	06H	-0.20		38	06H	06H
44	59	PCT	0.79	120	14	P1	03C	0.08			TEH	TEC
45	37	PCT	0.70	141	0	P1	02C	-0.18			TEH	TEC
45	37	DSI	0.95	127		P1	02H	0.25			TEH	TEC
45	41	PCT	0.95	126	0	P1	02C	-0.13			TEH	TEC
45	41	PCT	0.26	129	0	P1	03C	-0.30			TEH	TEC
45	41	PSI	20.81	126		8	07H	-0.26			TEH	TEC
45	41	PSI	9.17	216		8	07H	-0.18			TEH	TEC
45	41	PCT	1.83	0	22	P2	AV1	0.13			TEH	TEC
45	41	CSI	0.19	86		11	07H	0.04		34	07H	07H
45	42	PSI	21.88	127		8	07H	-0.26			TEH	TEC
45	42	CSI	0.22	72		11	07H	0.00		34	07H	07H
45	44	PCT	0.85	133	0	P1	01C	0.18			TEH	TEC
45	45	VOL	0.20	79		6	01C	-0.03			01C	01C
45	45	VOL	0.93	77		6	02C	-0.24			02C	02C
45	45	PCT	0.13	0	14	3	01C	-0.09			01C	01C
45	45	VOL	0.13	0		3	01C	-0.09			01C	01C
45	45	VOL	0.64	0		3	02C	-0.25			02C	02C
45	45	PCT	0.64	0	34	3	02C	-0.25			02C	02C
45	48	PCT	0.36	122	14	P1	03C	-0.05			TEH	TEC
45	50	PCT	0.51	123	4	P1	01C	0.10			TEH	TEC
45	50	PCT	0.74	136	0	P1	02C	-0.23			TEH	TEC
45	52	PCT	0.90	130	0	P1	03C	0.10			TEH	TEC
45	52	DSI	0.60	125		P1	03H	0.25			TEH	TEC
45	52	DSI	0.68	126		P1	03H	0.18			TEH	TEC
45	53	PCT	0.69	147	0	P1	01C	-0.13			TEH	TEC
45	53	PSI	19.16	144		8	06H	-0.28			TEH	TEC
45	53	CSI	0.30	74		11	06H	0.00		45	06H	06H
45	54	DSI	0.50	137		P1	06H	0.10			TEH	TEC
46	41	PCT	0.65	108	33	P1	02C	-0.18			TEH	TEC
46	41	PSI	16.73	153		8	04C	0.30			TEH	TEC
46	41	PSI	16.34	333		8	04C	-0.25			TEH	TEC
46	41	PSI	18.92	149		8	05C	0.28			TEH	TEC
46	41	PSI	18.36	329		8	05C	-0.28			TEH	TEC
46	41	PSI	22.39	127		8	07H	-0.26			TEH	TEC
46	41	PSI	9.28	216		8	07H	-0.13			TEH	TEC
46	41	CSI	1.11	156		9	04C	0.01		38	04C	04C
46	41	CSI	1.14	155		9	05C	0.00		34	05C	05C
46	41	PCT	0.19	0	0	3	02C	-0.11			02C	02C
46	41	VOL	0.36	300		6	02C	-0.11			02C	02C
46	41	CSI	0.30	87		11	07H	0.01		61	07H	07H
46	42	PCT	3.97	112	32	P1	02C	-0.18			TEH	TEC
46	42	PSI	22.56	128		8	07H	-0.28			TEH	TEC
46	42	PSI	10.25	219		8	07H	-0.18			TEH	TEC
46	42	CSI	0.20	66		11	07H	-0.25		53	07H	07H
46	45	DSI	0.82	39		P1	03H	0.18			TEH	TEC
46	47	DSI	0.78	27		P1	02H	0.15			TEH	TEC
46	50	PCT	0.63	123	13	P1	03C	-0.25			TEH	TEC

ATTACHMENT 1A

**BEAVER VALLEY UNIT #1
1R16 SG EXAMINATION
RESULTS**

1RC-E-1A

**TUBES REMOVED FROM
SERVICE**

Beaver Valley Unit #1
1R16 SG Examination Results

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1RC-E-1A
(TUBES REMOVED FROM SERVICE)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	84	MAI	0.42	107		6	01H	-0.28	0.34		01H	01H
1	88	SAI	0.25	113		6	03H	-0.08	0.29		03H	03H
2	17	SAI	0.15	84		6	TSH	-0.03	0.17		TSH	TSH
2	24	MAI	0.24	68		6	TSH	0.05	0.17		TSH	TSH
2	38	SAI	0.15	90		6	TSH	0.51	0.15		TSH	TSH
2	51	SAI	0.26	112		6	04H	-0.23	0.16		04H	04H
3	51	SAI	0.21	110		6	TSH	0.05	0.23		TSH	TSH
3	55	SAI	0.16	73		6	TSH	0.04	0.25		TSH	TSH
3	69	MAI	0.22	87		6	02H	-0.15	0.44		02H	02H
4	19	PTF	0.41	60		6	SBH	2.56			SBH	SBH
4	19	PTP	3.43	64		6	SBH	1.37			SBH	SBH
4	48	SAI	0.16	114		6	TSH	0.12	0.35		TSH	TSH
4	52	SAI	0.74	118		2	02H	-0.29	0.33		02H	02H
4	54	SAI	0.22	69		6	TSH	0.08	0.23		TSH	TSH
5	25	PTP	0.31	117		6	SBH	1.09			SBH	SBH
5	52	SAI	0.27	58		6	TSH	0.11	0.28		TSH	TSH
5	58	SAI	0.87	12		6	TSH	-1.18	0.41		TSH	TSH
5	58	SAI	0.19	125		2	07C	-0.11	0.36		07H	07C
5	58	SAI	0.27	110		6	07C	0.04	0.21		07C	07C
5	58	MAI	0.16	91		6	07H	-0.07	0.51		07H	07H
5	58	MAI	0.22	133		2	07H	-0.19	0.33		07H	07H
5	67	SAI	0.32	85		6	03H	-0.32	0.19		03H	03H
5	90	SAI	0.21	107		6	03H	-0.08	0.19		03H	03H
6	24	SAI	0.12	100		6	TSH	0.27	0.20		TSH	TSH
6	49	SAI	0.18	72		6	TSH	0.04	0.23		TSH	TSH
6	66	SAI	0.28	102		6	03H	0.00	0.22		03H	03H
6	66	SAI	0.15	107		2	07H	0.29	0.23		07H	07C
6	90	MAI	0.22	108		6	02H	0.13	0.38		02H	02H
7	11	SAI	0.19	55		6	04H	0.25	0.29		04H	04H
7	33	PTP	0.67	31		6	SBH	1.16			SBH	SBH
7	82	SAI	0.22	93		6	04H	-0.36	0.14		04H	04H
8	25	SAI	0.24	92		6	TSH	0.18	0.23		TSH	TSH
8	34	PTP	0.49	97		6	SBH	1.13			SBH	SBH
8	43	PTP	1.05	62		6	SBH	1.32			SBH	SBH
8	52	SAI	0.19	80		6	TSH	0.13	0.27		TSH	TSH
8	55	SAI	0.23	91		6	TSH	0.01	0.23		TSH	TSH
8	55	SCI	0.26	68		P2	TSH	-0.07		76	TSH	TSH
8	77	SAI	0.25	105		6	03H	0.05	0.37		03H	03H
8	80	DSO	0.62	120		P1	01H	0.43			TEH	TEC
9	5	SAI	0.25	117		6	03H	0.14	0.48		03H	03H
9	16	SAI	0.67	99		6	01H	0.00	0.39		01H	01H
9	17	SAI	0.18	119		6	03H	-0.02	0.36		03H	03H
9	32	PTP	0.49	59		6	SBH	2.14			SBH	SBH
9	32	PTP	1.97	70		6	SBH	1.41			SBH	SBH
9	47	SAI	0.11	111		6	TSH	1.06	0.33		TSH	TSH
10	18	MAI	0.35	85		6	01H	0.11	0.69		01H	01H
10	57	MAI	0.53	83		6	01H	-0.28	0.68		01H	01H
10	68	SAI	0.33	108		6	03H	0.03	0.41		03H	03H
10	74	SAI	0.17	98		6	TSH	0.08	0.23		TSH	TSH
11	12	SAI	0.24	122		6	02H	0.05	0.31		02H	02H
11	56	SAI	0.10	103		6	TSH	0.07	0.18		TSH	TSH

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1A
(TUBES REMOVED FROM SERVICE)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
11	59	SAI	0.10	80		6	TSH	0.19	0.18		TSH	TSH
11	63	MAI	0.23	81		6	TSH	-0.03	0.18		TSH	TSH
12	10	SAI	0.28	127		6	01H	-0.15	0.45		01H	01H
12	36	SAI	0.09	94		6	TSH	3.19	0.18		TSH	TSH
12	41	MAI	0.21	82		6	TSH	1.47	0.28		TSH	TSH
12	41	MAI	0.16	97		6	TSH	1.94	0.41		TSH	TSH
12	41	NQI	0.39	136		P1	TSH	1.19			TEH	TEC
12	42	PTP	1.67	68		6	SBH	1.20			SBH	SBH
12	87	MAI	0.59	38		6	02H	-0.03	0.29		02H	02H
13	30	PTP	1.51	66		6	SBH	0.94			SBH	SBH
13	34	SAI	0.14	102		6	TSH	2.92	0.36		TSH	TSH
13	34	SAI	0.15	85		6	TSH	2.54	0.73		TSH	TSH
13	35	PTP	1.42	55		6	SBH	1.40			SBH	SBH
14	12	MAI	0.28	92		6	02H	0.00	0.56		02H	02H
14	33	PTP	1.05	74		6	SBH	1.20			SBH	SBH
14	34	PTP	0.98	63		6	SBH	1.20			SBH	SBH
14	38	PTP	1.43	58		6	SBH	1.04			SBH	SBH
14	51	PTP	0.60	114		P5	SBH	0.18			SBH	SBH
14	51	PTA	0.42	46		P5	STH	-4.13			STH	STH
14	51	PTA	0.49	51		P5	STH	-3.39			STH	STH
14	56	MAI	0.49	98		6	01H	0.00	0.66		01H	01H
15	84	SAI	0.22	116		6	02H	-0.21	0.29		02H	02H
16	12	SAI	0.26	122		6	04H	0.10	0.22		04H	04H
16	29	PTP	2.82	68		6	SBH	0.92			SBH	SBH
16	33	PTP	0.60	54		6	SBH	0.96			SBH	SBH
16	34	SAI	0.45	94		2	02H	0.03	0.44		02H	02H
16	43	PTP	1.39	79		6	SBH	0.93			SBH	SBH
17	16	SAI	0.17	62		6	03H	-0.04	0.22		03H	03H
17	42	PTP	1.41	78		6	SBH	0.94			SBH	SBH
17	43	PTP	1.40	74		P5	SBH	1.14			SBH	SBH
17	44	SAI	0.27	78		6	TSH	0.52	0.33		TSH	TSH
17	59	SAI	0.35	104		6	TSH	-0.37	0.23		TSH	TSH
17	82	SAI	0.23	124		6	03H	0.05	0.24		03H	03H
18	33	PTP	1.01	62		6	SBH	1.11			SBH	SBH
18	42	SAI	0.47	88		2	02H	-0.07	0.28		02H	02H
18	77	SAI	0.41	96		6	02H	0.12	0.67		01H	02H
18	77	SAI	0.32	88		6	04H	-0.36	0.13		04H	04H
19	16	SAI	0.13	67		6	01H	0.02	0.22		01H	01H
19	30	PTP	1.29	76		6	SBH	0.64			SBH	SBH
19	30	PTP	1.77	66		6	SBH	1.31			SBH	SBH
19	38	MAI	0.28	91		6	TSH	0.17	0.43		TSH	TSH
20	41	SAI	0.26	55		6	TSH	-0.28	0.25		TSH	TSH
21	16	MAI	0.34	86		6	01H	0.04	0.55		01H	01H
21	42	SAI	0.19	75		6	TSH	0.61	0.23		TSH	TSH
21	42	MAI	1.61	67		6	01H	-0.02	0.63		01H	01H
21	61	SAI	0.21	84		6	02H	0.12	0.42		02H	02H
22	36	MAI	2.40	51		6	01H	0.01	0.61		01H	01H
24	29	SAI	0.26	71		6	TSH	0.16	0.31		TSH	TSH
25	12	SAI	0.35	105		6	03H	0.01	0.54		03H	03H
25	17	SAI	0.27	97		6	03H	-0.15	0.36		03H	03H
25	40	SAI	0.28	102		6	01H	-0.08	0.46		01H	01H

Beaver Valley Unit #1
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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
26	67	MAI	0.16	93		6	03H	-0.05	0.70		03H	03H
26	74	SCI	0.17	114		P2	TSH	0.12	0.17	80	TSH	TSH
26	74	SAI	0.25	102		6	02H	0.12	0.52		02H	02H
27	14	SAI	0.31	85		6	02H	0.22	0.33		02H	02H
27	27	SAI	0.24	116		6	02H	0.18	0.46		02H	02H
29	15	SAI	0.22	83		6	01H	0.00	0.52		01H	01H
30	29	MAI	0.27	106		6	04H	-0.22	0.67		04H	04H
30	33	MAI	0.22	107		6	01H	0.10	0.35		01H	01H
31	62	SAI	1.86	87		6	01H	0.00	0.44		01H	01H
32	49	SSA	0.23	126		3	AV1	9.22			07H	07C
32	49	SSA	0.25	122		3	AV3	16.62			07H	07C
32	49	SSA	3.26	165		6	AV3	10.23			TEH	TEC
33	50	SAI	0.24	107		6	04H	0.29	0.25		04H	04H
34	20	MAI	0.29	110		6	03H	0.09	0.50		03H	03H
34	48	SSA	2.82	159		6	AV3	0.00			TEH	TEC
35	27	SAI	0.89	15		6	TSH	-0.18	0.21		TSH	TSH
37	26	SAI	0.09	80		6	04H	0.20	0.31		04H	04H
38	40	SAI	0.33	142		6	01H	-0.10	0.32		01H	01H
38	42	SAI	0.14	82		6	01H	0.20	0.14		01H	01H
40	56	PSI	16.44	149		8	06H	0.00			TEH	TEC
40	56	CSI	0.25	77		11	06H	-0.08		37	06H	06H
40	56	SAI	0.19	107		6	03H	-0.16	0.44		03H	03H
40	69	PCT	0.31	90	56	P1	03C	0.03			TEH	TEC

ATTACHMENT 2

**BEAVER VALLEY UNIT #1
1R16 SG EXAMINATION
RESULTS
1RC-E-1B
TUBES WITH INDICATIONS**

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1B
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	4	DSI	0.77	98		P1	01H	-0.06			07H	TEH
1	4	DSI	0.79	86		P1	02H	-0.09			07H	TEH
1	5	DSI	1.06	74		P1	01H	0.00			07H	TEH
1	6	DSI	0.39	75		P1	01H	-0.03			07H	TEH
1	6	DSI	0.68	38		P1	02H	0.00			07H	TEH
1	6	MAI	0.11	101		6	02H	0.00	0.18		02H	02H
1	10	DSI	0.76	56		P1	01H	0.06			07H	TEH
1	10	DSI	0.17	87		P1	06H	-0.03			07H	TEH
1	13	DSI	0.95	81		P1	01H	-0.09			07H	TEH
1	13	DSI	1.35	100		P1	02H	-0.17			07H	TEH
1	13	SAI	0.18	57		6	02H	-0.20	0.30		02H	02H
1	14	DSI	1.00	86		P1	01H	-0.09			07H	TEH
1	14	DSI	1.56	87		P1	02H	-0.14			07H	TEH
1	14	DSI	0.33	97		P1	04H	-0.06			07H	TEH
1	14	DSI	0.63	44		P1	05H	0.03			07H	TEH
1	14	SAI	0.15	113		6	05H	0.06	0.21		05H	05H
1	14	MAI	0.22	108		6	02H	-0.06	0.36		02H	02H
1	17	DSI	1.14	92		P1	02H	-0.17			07H	TEH
1	27	DSI	1.06	107		P1	01H	-0.14			07H	TEH
1	29	DSI	0.50	55		P1	01H	-0.06			07H	TEH
1	29	MAI	0.35	95		6	01H	-0.02	0.27		01H	01H
1	33	DSI	0.55	48		P1	01H	0.00			07H	TEH
1	33	DSI	0.62	78		P1	02H	-0.06			07H	TEH
1	33	MAI	0.27	94		6	01H	-0.05	0.21		01H	01H
1	34	DSI	0.42	53		P1	01H	0.00			07H	TEH
1	34	DSI	0.53	99		P1	02H	-0.11			07H	TEH
1	34	MAI	0.29	107		6	01H	-0.02	0.27		01H	01H
1	48	DSI	0.90	84		P1	01H	0.00			07H	TEH
1	49	DSI	1.23	70		P1	02H	0.00			07H	TEH
1	49	MAI	0.44	96		6	02H	0.09	0.34		02H	02H
1	54	DSI	0.32	66		P1	01H	-0.06			07H	TEH
1	55	DSI	0.52	53		P1	01H	-0.06			07H	TEH
1	55	DSI	0.60	37		P1	02H	-0.06			07H	TEH
1	55	DSI	0.38	98		P1	03H	0.09			07H	TEH
1	55	SAI	0.31	92		6	01H	0.01	0.30		01H	01H
1	55	MAI	0.17	91		6	02H	-0.04	0.23		02H	02H
1	60	DSI	0.56	73		P1	01H	-0.06			07H	TEH
1	62	DSI	0.56	107		P1	01H	0.00			07H	TEH
1	66	DSI	0.74	65		P1	02H	-0.03			07H	TEH
1	68	DSI	0.96	68		P1	02H	-0.09			07H	TEH
1	68	DSI	0.81	56		P1	03H	-0.08			07H	TEH
1	70	DSI	0.81	58		P1	02H	-0.03			07H	TEH
1	70	DSI	0.32	99		P1	05H	-0.08			07H	TEH
1	92	DSI	0.77	20		P1	02H	-0.06			07H	TEH
1	92	SAI	0.18	131		6	02H	0.08	0.17		02H	02H
1	94	NQI	0.32	151		P1	TSC	0.86			07C	TEC
1	94	SVI	0.16	297		6	TSC	0.98	0.30	68	TSC	TSC
2	5	DSI	0.59	35		P1	01H	-0.11			07H	TEH
2	5	DSI	0.97	36		P1	02H	-0.06			07H	TEH
2	5	MAI	0.35	113		6	01H	0.00	0.42		01H	01H
2	5	SAI	0.25	107		6	02H	-0.20	0.23		02H	02H

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1B
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	5	SAI	0.26	128		6	02H	-0.22	0.21		02H	02H
2	5	SAI	0.27	127		6	02H	-0.20	0.18		02H	02H
2	7	DSI	1.04	45		P1	01H	-0.03			07H	TEH
2	7	DSI	1.11	47		P1	02H	-0.06			07H	TEH
2	7	MAI	0.42	94		6	01H	0.09	0.52		01H	01H
2	7	MAI	0.30	77		6	02H	-0.08	0.54		02H	02H
2	9	DSI	1.05	74		P1	01H	-0.14			07H	TEH
2	9	DSI	1.54	74		P1	02H	-0.09			07H	TEH
2	9	DSI	0.50	62		P1	03H	-0.11			07H	TEH
2	9	DSI	1.22	41		P1	04H	0.00			07H	TEH
2	9	DSI	0.53	40		P1	05H	-0.03			07H	TEH
2	9	MAI	0.38	89		6	04H	-0.04	0.61		04H	04H
2	9	MAI	0.38	111		6	05H	-0.03	0.49		05H	05H
2	9	MAI	0.67	98		6	02H	-0.13	0.67		02H	02H
2	9	SSA	0.32	117		P2	07H	13.80			07H	07C
2	11	DSI	0.97	62		P1	01H	-0.06			07H	TEH
2	11	DSI	1.44	72		P1	02H	-0.14			07H	TEH
2	11	MAI	0.61	93		6	02H	-0.04	0.47		02H	02H
2	12	DSI	1.57	70		P1	01H	-0.14			07H	TEH
2	12	DSI	0.54	122		P1	02H	-0.23			07H	TEH
2	12	DSI	0.63	110		P1	03H	-0.14			07H	TEH
2	12	MAI	0.84	104		6	01H	-0.10	0.40		01H	01H
2	13	DSI	0.95	56		P1	01H	0.00			07H	TEH
2	13	DSI	0.49	36		P1	02H	-0.06			07H	TEH
2	13	DSI	0.72	54		P1	03H	0.03			07H	TEH
2	13	SAI	0.28	82		6	02H	-0.08	0.19		02H	02H
2	13	MAI	0.16	93		6	03H	0.05	0.25		03H	03H
2	15	DSI	0.42	100		P1	02H	-0.20			07H	TEH
2	17	DSI	0.83	98		P1	01H	0.00			07H	TEH
2	24	DSI	0.72	81		P1	01H	-0.06			07H	TEH
2	24	DSI	0.89	90		P1	02H	-0.09			07H	TEH
2	24	DSI	0.47	151		P1	03H	-0.14			07H	TEH
2	25	DSI	1.83	99		P1	01H	-0.23			07H	TEH
2	25	MAI	0.93	86		6	01H	0.02	0.58		01H	01H
2	26	DSI	0.60	81		P1	01H	-0.08			07H	TEH
2	28	DSI	1.30	16		P1	01H	-0.09			07H	TEH
2	28	DSI	0.90	58		P1	02H	-0.03			07H	TEH
2	28	MAI	0.18	75		6	01H	-0.19	0.15		01H	01H
2	30	DSI	1.55	116		P1	01H	-0.17			07H	TEH
2	30	DSI	0.75	79		P1	02H	-0.09			07H	TEH
2	30	DSI	0.62	44		P1	03H	0.11			07H	TEH
2	30	SAI	0.29	94		6	03H	0.11	0.30		03H	03H
2	30	MAI	0.84	88		6	01H	0.00	0.57		01H	01H
2	31	DSI	0.85	82		P1	01H	-0.06			07H	TEH
2	31	DSI	1.29	110		P1	02H	-0.06			07H	TEH
2	31	MAI	0.47	95		6	02H	-0.15	0.34		02H	02H
2	32	DSI	0.41	124		P1	01H	-0.09			07H	TEH
2	32	NQI	0.35	108		3	TSH	35.66			07H	TEH
2	32	SAI	0.28	101		6	01H	-0.12	0.27		TSH	01H
2	32	SAI	0.28	112		6	01H	-0.14	0.24		01H	01H
2	33	DSI	0.54	110		P1	01H	-0.09			07H	TEH

Beaver Valley Unit #1
1R16 SG Examination Results
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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	33	DSI	0.62	77		P1	02H	0.03			07H	TEH
2	33	DSI	0.66	94		P1	03H	-0.03			07H	TEH
2	35	DSI	1.05	91		P1	02H	-0.09			07H	TEH
2	36	DSI	0.58	86		P1	02H	-0.03			07H	TEH
2	39	DSI	0.88	124		P1	01H	-0.20			07H	TEH
2	40	DSI	1.40	87		P1	01H	-0.09			07H	TEH
2	40	DSI	0.65	115		P1	02H	-0.17			07H	TEH
2	40	MAI	0.47	82		6	01H	-0.08	0.62		01H	01H
2	41	DSI	0.67	110		P1	01H	-0.03			07H	TEH
2	42	DSI	0.71	149		P1	01H	-0.14			07H	TEH
2	43	DSI	0.34	137		P1	01H	0.03			07H	TEH
2	46	DSI	1.17	72		P1	01H	-0.03			07H	TEH
2	46	MAI	0.25	109		6	01H	0.06	0.59		01H	01H
2	47	DSI	0.43	78		P1	02H	0.03			07H	TEH
2	49	DSI	1.10	66		P1	01H	0.06			07H	TEH
2	49	DSI	0.46	95		P1	02H	-0.11			07H	TEH
2	52	DSI	0.91	57		P1	01H	0.03			07H	TEH
2	52	DSI	0.26	98		P1	03H	0.00			07H	TEH
2	57	DSI	0.38	61		P1	01H	-0.06			07H	TEH
2	60	DSI	1.07	60		P1	01H	-0.03			07H	TEH
2	61	DSI	0.31	70		P1	01H	-0.06			07H	TEH
2	65	DSI	0.76	56		P1	02H	0.00			07H	TEH
2	66	DSI	0.44	73		P1	02H	0.00			07H	TEH
2	69	DSI	1.33	74		P1	02H	-0.14			07H	TEH
2	69	DSI	1.47	59		P1	03H	-0.14			07H	TEH
2	69	MAI	0.42	104		6	02H	-0.08	0.36		02H	02H
2	69	MAI	0.41	98		6	03H	-0.11	0.42		03H	03H
2	72	DSI	0.52	115		P1	01H	0.00			07H	TEH
2	72	DSI	0.71	45		P1	02H	0.00			07H	TEH
2	72	DSI	1.16	45		P1	03H	0.00			07H	TEH
2	72	MAI	0.20	103		6	02H	0.00	0.33		02H	02H
2	72	MAI	0.34	102		6	03H	-0.08	0.48		03H	03H
2	73	DSI	0.77	65		P1	01H	-0.06			07H	TEH
2	73	DSI	0.97	52		P1	02H	0.00			07H	TEH
2	73	DSI	0.46	47		P1	03H	0.08			07H	TEH
2	73	MAI	0.18	104		6	02H	-0.04	0.27		02H	02H
2	73	MAI	0.24	88		6	03H	0.07	0.35		03H	03H
2	74	DSI	0.97	145		P1	01H	0.06			07H	TEH
2	74	DSI	0.92	55		P1	02H	0.00			07H	TEH
2	74	DSI	0.54	56		P1	03H	-0.11			07H	TEH
2	74	MAI	0.41	100		6	02H	0.03	0.37		02H	02H
2	79	DSI	0.91	61		P1	02H	0.00			07H	TEH
2	79	DSI	1.13	43		P1	03H	-0.03			07H	TEH
2	79	DSI	0.84	86		P1	04H	-0.08			07H	TEH
2	79	MAI	0.26	110		6	03H	-0.01	0.29		03H	03H
2	81	DSI	0.79	54		P1	02H	-0.08			07H	TEH
2	81	SAI	0.43	94		6	02H	0.05	0.44		02H	02H
2	83	DSI	0.78	54		P1	03H	0.03			07H	TEH
2	83	MAI	0.27	100		6	03H	0.00	0.29		03H	03H
2	83	SVI	0.13	106		P2	TSH	0.03	0.34	40	TSH	TSH
2	85	DSI	0.56	62		P1	02H	0.03			07H	TEH

Beaver Valley Unit #1
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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	85	DSI	0.43	88		P1	03H	-0.03			07H	TEH
2	85	DSI	1.05	42		P1	04H	-0.03			07H	TEH
2	85	MAI	0.32	106		6	04H	-0.03	0.38		04H	04H
2	86	DSI	0.88	60		P1	03H	-0.03			07H	TEH
2	86	DSI	1.21	86		P1	04H	-0.03			07H	TEH
2	86	MAI	0.44	95		6	04H	-0.09	0.65		04H	04H
2	88	DSI	0.67	105		P1	02H	-0.11			07H	TEH
2	88	DSI	0.67	26		P1	04H	0.03			07H	TEH
2	88	SAI	0.15	122		6	04H	0.06	0.27		04H	04H
2	90	DSI	0.75	129		P1	04H	0.08			07H	TEH
2	90	DSI	0.53	60		P1	05H	0.06			07H	TEH
2	93	DSI	0.65	38		P1	02H	0.00			07H	TEH
2	93	MAI	0.14	112		6	02H	0.07	0.19		02H	02H
2	94	PCT	0.89	140	10	P1	01C	0.09			07C	TEC
2	94	DSI	0.42	86		P1	04H	-0.06			07H	TEH
3	1	DSI	0.86	73		P1	01H	-0.03			07H	TEH
3	5	DSI	0.36	62		P1	02H	0.00			07H	TEH
3	6	DSI	0.49	68		P1	01H	-0.14			07H	TEH
3	6	DSI	0.77	34		P1	02H	-0.09			07H	TEH
3	6	DSI	0.53	74		P1	05H	-0.06			07H	TEH
3	6	SAI	0.23	104		6	02H	0.16	0.26		02H	02H
3	8	DSI	1.42	36		P1	01H	-0.11			07H	TEH
3	8	DSI	1.44	65		P1	02H	-0.09			07H	TEH
3	8	DSI	0.95	58		P1	03H	-0.17			07H	TEH
3	8	DSI	0.58	63		P1	04H	0.03			07H	TEH
3	8	DSI	0.43	75		P1	05H	0.00			07H	TEH
3	8	MAI	0.22	124		6	01H	0.01	0.18		01H	01H
3	8	MAI	0.33	102		6	02H	0.00	0.31		02H	02H
3	9	DSI	0.85	61		P1	01H	-0.03			07H	TEH
3	9	DSI	0.55	72		P1	02H	-0.06			07H	TEH
3	9	SPR	1.53	57		P1	03H	0.00			07H	TEH
3	9	MAI	0.20	87		6	03H	0.10	0.63		03H	03H
3	16	DSI	1.67	85		P1	01H	-0.09			07H	TEH
3	16	DSI	1.59	83		P1	02H	-0.11			07H	TEH
3	16	MAI	0.76	80		6	01H	-0.08	0.62		01H	01H
3	16	MAI	0.54	97		6	02H	-0.08	0.59		02H	02H
3	18	DSI	1.12	57		P1	01H	-0.06			07H	TEH
3	18	DSI	0.88	86		P1	02H	-0.11			07H	TEH
3	24	PIU	0.61	14		P3	1UH	-2.28			1UH	1UH
3	24	DSI	1.39	67		P1	02H	0.00			07H	TEH
3	24	MAI	2.21	108		2	02H	-0.12	0.54		02H	02H
3	27	DSI	1.36	92		P1	01H	-0.14			07H	TEH
3	27	DSI	0.70	95		P1	02H	-0.17			07H	TEH
3	27	DSI	0.51	96		P1	03H	-0.11			07H	TEH
3	27	DSI	0.41	44		P1	04H	-0.06			07H	TEH
3	27	DSI	0.27	66		P1	05H	0.00			07H	TEH
3	27	MAI	0.27	110		6	04H	-0.04	0.31		04H	04H
3	27	MAI	1.01	93		6	01H	-0.16	0.66		01H	01H
3	31	DSI	0.86	29		P1	01H	-0.03			07H	TEH
3	31	MAI	0.42	81		6	01H	0.11	0.36		01H	01H
3	32	DSI	0.47	121		P1	02H	-0.06			07H	TEH

Beaver Valley Unit #1
1R16 SG Examination Results
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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	35	DSI	0.50	43		P1	01H	0.03			07H	TEH
3	35	DSI	0.39	98		P1	02H	-0.11			07H	TEH
3	35	MAI	0.50	84		6	01H	0.03	0.47		01H	01H
3	43	DSI	0.63	50		P1	01H	0.00			07H	TEH
3	43	SAI	0.25	97		6	01H	0.00	0.28		01H	01H
3	49	DSI	0.89	61		P1	01H	0.00			07H	TEH
3	49	DSI	1.18	83		P1	02H	-0.09			07H	TEH
3	49	MAI	0.35	99		6	02H	-0.04	0.24		02H	02H
3	50	DSI	0.63	121		P1	01H	-0.29			07H	TEH
3	53	DSI	0.58	138		P1	01H	0.11			07H	TEH
3	53	DSI	1.19	118		P1	02H	-0.23			07H	TEH
3	53	DSI	0.59	27		P1	03H	-0.20			07H	TEH
3	53	DSI	0.37	62		P1	04H	-0.06			07H	TEH
3	53	MAI	0.40	68		6	02H	-0.19	0.28		02H	02H
3	54	DSI	1.18	11		P1	02H	-0.11			07H	TEH
3	54	SAI	0.15	111		6	02H	-0.10	0.22		02H	02H
3	55	DSI	0.82	127		P1	01H	-0.09			07H	TEH
3	58	DSI	0.74	57		P1	01H	0.00			07H	TEH
3	61	DSI	0.38	113		P1	01H	0.09			07H	TEH
3	61	DSI	0.59	89		P1	02H	0.14			07H	TEH
3	61	DSI	0.77	129		P1	03H	-0.25			07H	TEH
3	61	DSI	1.24	99		P1	04H	0.31			07H	TEH
3	61	DSI	0.90	123		P1	06H	-0.29			07H	TEH
3	61	SAI	0.26	70		6	TSH	0.00	0.21		TSH	TSH
3	61	MAI	0.14	69		6	04H	0.31	0.33		04H	04H
3	62	DSI	0.71	25		P1	01H	-0.06			07H	TEH
3	63	DSI	0.73	18		P1	02H	-0.03			07H	TEH
3	63	DSI	0.68	61		P1	03H	0.00			07H	TEH
3	63	DSI	0.43	49		P1	04H	0.00			07H	TEH
3	64	DSI	0.50	19		P1	01H	-0.03			07H	TEH
3	64	DSI	1.25	63		P1	03H	-0.06			07H	TEH
3	64	SAI	0.22	90		6	01H	0.05	0.14		01H	01H
3	64	MAI	0.26	103		6	03H	0.00	0.39		03H	03H
3	66	DSI	0.80	50		P1	01H	0.00			07H	TEH
3	66	DSI	0.76	38		P1	02H	-0.03			07H	TEH
3	66	DSI	0.78	49		P1	03H	0.06			07H	TEH
3	66	MAI	0.40	107		6	01H	0.05	0.35		01H	01H
3	66	MAI	0.33	103		6	02H	0.00	0.27		02H	02H
3	66	MAI	0.19	121		6	03H	0.02	0.42		03H	03H
3	67	DSI	0.41	34		P1	03H	0.00			07H	TEH
3	67	SAI	0.21	97		6	03H	0.08	0.33		03H	03H
3	68	DSI	1.05	126		P1	01H	0.11			07H	TEH
3	68	DSI	1.05	69		P1	03H	-0.03			07H	TEH
3	68	DSI	1.15	84		P1	04H	-0.03			07H	TEH
3	68	SAI	0.89	88		6	04H	-0.03	0.61		04H	04H
3	70	DSI	0.81	133		P1	01H	0.14			07H	TEH
3	70	DSI	0.82	83		P1	03H	-0.25			07H	TEH
3	73	DSI	1.75	79		P1	03H	0.03			07H	TEH
3	73	MAI	0.73	91		6	03H	0.11	0.60		03H	03H
3	74	DSI	0.41	73		P1	04H	-0.03			07H	TEH
3	79	DSI	1.23	49		P1	02H	-0.03			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	79	DSI	1.15	78		P1	03H	0.00			07H	TEH
3	79	DSI	0.83	82		P1	04H	-0.14			07H	TEH
3	79	DSI	0.55	61		P1	05H	-0.03			07H	TEH
3	79	MAI	0.50	89		6	02H	-0.07	0.48		02H	02H
3	79	MAI	0.58	96		6	03H	0.00	0.42		03H	03H
3	85	DSI	0.82	39		P1	01H	0.03			07H	TEH
3	85	MAI	0.27	86		6	01H	0.04	0.29		01H	01H
3	88	DSI	0.82	67		P1	01H	0.06			07H	TEH
3	88	DSI	1.20	46		P1	02H	-0.03			07H	TEH
3	88	MAI	0.39	91		6	02H	-0.02	0.37		02H	02H
3	89	DSI	0.55	69		P1	04H	0.03			07H	TEH
3	92	DSI	1.06	68		P1	02H	0.00			07H	TEH
4	3	DSI	0.86	72		P1	01H	-0.11			07H	TEH
4	3	DSI	0.74	61		P1	04H	0.03			07H	TEH
4	5	DSI	0.94	69		P1	02H	-0.06			07H	TEH
4	8	DSI	0.51	42		P1	01H	0.00			07H	TEH
4	8	DSI	1.44	74		P1	02H	-0.11			07H	TEH
4	8	DSI	0.97	55		P1	03H	-0.03			07H	TEH
4	8	MAI	0.34	117		6	01H	-0.01	0.54		01H	01H
4	8	MAI	0.29	87		6	03H	0.00	0.64		03H	03H
4	10	DSI	1.20	92		P1	01H	0.00			07H	TEH
4	10	MAI	0.98	82		6	01H	0.05	0.62		01H	01H
4	12	DSI	0.98	47		P1	01H	-0.11			07H	TEH
4	12	MAI	0.22	105		6	01H	-0.01	0.30		01H	01H
4	13	DSI	1.64	75		P1	01H	-0.03			07H	TEH
4	13	DSI	1.10	82		P1	02H	-0.09			07H	TEH
4	13	DSI	0.39	85		P1	03H	0.09			07H	TEH
4	13	DSI	0.42	47		P1	04H	-0.09			07H	TEH
4	13	MAI	0.31	97		6	04H	-0.07	0.37		04H	04H
4	13	MAI	0.90	86		6	01H	0.07	0.42		01H	01H
4	15	DSI	0.81	82		P1	01H	-0.11			07H	TEH
4	16	DSI	1.08	63		P1	01H	-0.03			07H	TEH
4	24	DSI	1.01	109		P1	01H	0.08			STH	TEC
4	25	DSI	0.66	120		P1	01H	-0.03			STH	TEC
4	25	DSI	0.43	108		P1	02H	-0.03			STH	TEC
4	27	DSI	1.09	88		P1	01H	-0.03			07H	TEH
4	31	DSI	1.66	83		P1	01H	-0.03			07H	TEH
4	31	MAI	1.14	91		6	01H	-0.11	0.55		01H	01H
4	34	DSI	0.91	113		P1	03H	-0.03			07H	TEH
4	35	DSI	0.58	61		P1	01H	0.09			07H	TEH
4	35	DSI	1.57	80		P1	02H	-0.09			07H	TEH
4	35	MAI	0.63	87		6	02H	-0.13	0.66		02H	02H
4	36	DSI	1.35	101		P1	02H	-0.14			07H	TEH
4	36	DSI	1.21	71		P1	03H	0.20			07H	TEH
4	36	DSI	0.97	68		P1	04H	-0.09			07H	TEH
4	36	MAI	0.93	84		6	02H	-0.07	0.40		02H	02H
4	36	MAI	0.51	107		6	03H	0.12	0.32		03H	03H
4	38	DSI	0.64	121		P1	01H	-0.13			STH	TEC
4	38	DSI	0.42	112		P1	02H	0.20			STH	TEC
4	39	DSI	0.50	64		P1	01H	-0.06			07H	TEH
4	39	DSI	0.55	109		P1	02H	-0.20			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
4	44	DSI	0.62	78		P1	01H	-0.03			07H	TEH
4	49	DSI	0.62	47		P1	01H	-0.03			07H	TEH
4	49	DSI	0.25	59		P1	04H	-0.11			07H	TEH
4	49	MAI	0.28	98		6	01H	-0.11	0.24		01H	01H
4	50	DSI	0.47	43		P1	01H	0.03			07H	TEH
4	50	SAI	0.47	99		6	01H	-0.22	0.27		01H	01H
4	52	DSI	0.64	97		P1	01H	0.06			07H	TEH
4	57	DSI	1.08	103		P1	01H	-0.09			07H	TEH
4	57	DSI	0.84	81		P1	02H	0.00			07H	TEH
4	57	DSI	0.61	41		P1	03H	0.00			07H	TEH
4	57	DSI	0.49	117		P1	04H	-0.08			07H	TEH
4	57	SAI	0.27	102		6	03H	0.03	0.25		03H	03H
4	58	DSI	1.42	70		P1	01H	0.00			07H	TEH
4	58	MAI	1.18	88		6	01H	0.00	0.53		01H	01H
4	59	DSI	0.78	59		P1	01H	0.00			07H	TEH
4	60	DSI	1.01	91		P1	01H	0.00			07H	TEH
4	60	DSI	0.53	88		P1	02H	-0.09			07H	TEH
4	65	DSI	0.41	73		P1	01H	-0.03			07H	TEH
4	65	DSI	0.72	80		P1	02H	-0.03			07H	TEH
4	70	DSI	0.89	94		P1	01H	-0.20			07H	TEH
4	70	DSI	0.71	42		P1	03H	0.00			07H	TEH
4	70	MAI	0.38	102		6	03H	-0.06	0.29		03H	03H
4	72	DSI	0.58	71		P1	03H	0.00			07H	TEH
4	74	DSI	0.48	63		P1	01H	0.03			07H	TEH
4	75	DSI	0.54	106		P1	04H	-0.06			07H	TEH
4	76	DSI	1.25	86		P1	01H	-0.06			07H	TEH
4	76	DSI	0.52	93		P1	02H	0.08			07H	TEH
4	76	MAI	1.10	88		6	01H	-0.03	0.44		01H	01H
4	82	DSI	0.55	48		P1	01H	-0.09			07H	TEH
4	82	MAI	0.57	82		6	01H	-0.15	0.72		01H	01H
4	85	DSI	1.05	43		P1	02H	-0.08			07H	TEH
4	85	DSI	1.44	73		P1	04H	0.00			07H	TEH
4	85	MAI	0.46	95		6	02H	-0.08	0.35		02H	02H
4	85	MAI	0.48	100		6	04H	0.00	0.50		04H	04H
4	86	DSI	0.80	81		P1	01H	0.06			07H	TEH
4	93	PCT	0.39	146	3	P1	02C	-0.11			07C	TEC
4	94	PCT	0.81	127	26	P1	01C	-0.06			07C	TEC
5	3	DSI	0.51	29		P1	02H	0.00			TEH	TEC
5	3	DSI	0.60	79		P1	04H	0.16			TEH	TEC
5	3	PSI	14.00	152		8	07H	-0.16			TEH	TEC
5	3	SAI	0.23	64		6	02H	-0.01	0.29		02H	02H
5	3	CSI	0.71	163		9	07H	-0.21		40	07H	07H
5	4	DSI	1.03	102		P1	01H	0.13			TEH	TEC
5	4	DSI	0.43	72		P1	02H	0.00			TEH	TEC
5	4	DSI	0.39	42		P1	03H	0.00			TEH	TEC
5	4	PSI	18.19	145		8	07H	-0.24			TEH	TEC
5	4	CSI	0.53	169		9	07H	0.00		40	07H	07H
5	5	DSI	0.42	63		P1	01H	0.08			TEH	TEC
5	6	DSI	1.32	89		P1	01H	0.10			TEH	TEC
5	6	MAI	1.07	83		6	01H	0.02	0.43		01H	01H
5	10	DSI	0.82	65		P1	01H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	13	DSI	0.67	66		P1	01H	-0.05			TEH	TEC
5	13	DSI	1.44	74		P1	02H	0.13			TEH	TEC
5	13	DSI	0.52	76		P1	04H	-0.13			TEH	TEC
5	13	MAI	1.30	69		6	02H	0.04	0.30		02H	02H
5	14	DSI	0.82	94		P1	01H	0.00			TEH	TEC
5	14	DSI	0.40	30		P1	02H	0.05			TEH	TEC
5	14	SAI	0.32	98		6	02H	-0.04	0.37		02H	02H
5	15	DSI	0.97	80		P1	01H	-0.03			TEH	TEC
5	16	DSI	1.22	93		P1	01H	-0.08			TEH	TEC
5	16	MAI	0.79	88		6	01H	-0.09	0.55		01H	01H
5	20	DSI	0.66	85		P1	01H	0.03			STH	TEC
5	20	DSI	0.70	113		P1	02H	-0.03			STH	TEC
5	21	DSI	0.58	151		P1	02H	0.00			TEH	TEC
5	22	DSI	0.90	93		P1	01H	-0.10			TEH	TEC
5	25	SAI	0.13	93		6	TSH	0.23	0.20		TSH	TSH
5	26	DSI	0.66	47		P1	01H	0.00			TEH	TEC
5	26	MAI	0.38	101		6	01H	-0.08	0.35		01H	01H
5	28	DSI	0.73	90		P1	01H	0.00			TEH	TEC
5	29	DSI	0.43	87		P1	02H	0.00			TEH	TEC
5	31	DSI	0.46	68		P1	01H	0.00			TEH	TEC
5	32	DSI	0.84	117		P1	01H	0.00			TEH	TEC
5	32	DSI	0.26	92		P1	02H	0.05			TEH	TEC
5	38	DSI	0.49	49		P1	01H	-0.03			TEH	TEC
5	38	SAI	0.39	103		6	01H	-0.09	0.26		01H	01H
5	39	DSI	0.49	41		P1	02H	0.10			TEH	TEC
5	39	SAI	0.27	86		6	02H	0.03	0.30		02H	02H
5	40	DSI	1.55	73		P1	01H	0.08			TEH	TEC
5	40	MAI	0.33	77		6	01H	-0.02	0.72		01H	01H
5	41	DSI	1.39	80		P1	01H	0.00			TEH	TEC
5	41	DSI	0.27	53		P1	02H	0.05			TEH	TEC
5	41	MAI	0.45	102		6	01H	-0.02	0.36		01H	01H
5	42	DSI	0.89	89		P1	01H	-0.03			TEH	TEC
5	46	DSI	0.96	105		P1	01H	0.00			TEH	TEC
5	52	DSI	0.49	68		P1	04H	-0.05			TEH	TEC
5	53	DSI	0.56	138		P1	02H	0.00			TEH	TEC
5	54	DSI	0.57	53		P1	01H	0.05			TEH	TEC
5	54	DSI	0.86	87		P1	02H	0.00			TEH	TEC
5	54	MAI	0.36	99		6	01H	-0.04	0.27		01H	01H
5	57	DSI	0.57	89		P1	01H	-0.05			TEH	TEC
5	57	DSI	0.53	48		P1	02H	0.05			TEH	TEC
5	57	MAI	0.24	111		6	02H	0.06	0.48		02H	02H
5	59	DSI	1.08	111		P1	01H	-0.03			TEH	TEC
5	60	DSI	0.60	90		P1	01H	-0.05			TEH	TEC
5	64	DSI	0.55	89		P1	01H	-0.03			TEH	TEC
5	65	DSI	0.56	125		P1	01H	0.10			TEH	TEC
5	67	DSI	0.92	48		P1	02H	0.03			TEH	TEC
5	68	DSI	0.46	54		P1	01H	0.05			TEH	TEC
5	84	DSI	0.37	44		P1	05H	-0.03			TEH	TEC
5	88	DSI	0.46	67		P1	01H	0.03			TEH	TEC
5	88	DSI	0.40	77		P1	04H	0.03			TEH	TEC
5	93	PCT	0.96	138	10	P1	01C	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	93	DSI	0.63	48		P1	04H	0.10			TEH	TEC
5	93	MAI	0.38	93		6	04H	-0.07	0.28		04H	04H
5	94	PCT	0.56	141	6	P1	01C	0.03			TEH	TEC
5	94	PCT	1.23	136	12	P1	02C	-0.13			TEH	TEC
5	94	VOL	0.50	117		P2	01C	0.06			01C	01C
5	94	VOL	0.53	104		P2	02C	-0.18			02C	02C
6	1	DSI	0.50	82		P1	01H	0.00			TEH	TEC
6	3	DSI	0.76	87		P1	01H	0.00			TEH	TEC
6	4	DSI	0.34	152		P1	03H	0.13			TEH	TEC
6	4	PSI	17.65	145		8	07H	-0.26			TEH	TEC
6	4	CSI	0.67	167		9	07H	-0.03		36	07H	07H
6	5	DSI	1.26	72		P1	01H	0.03			TEH	TEC
6	5	DSI	0.80	80		P1	03H	0.15			TEH	TEC
6	5	DSI	0.42	133		P1	05H	0.08			TEH	TEC
6	5	MAI	1.08	91		6	01H	-0.08	0.41		01H	01H
6	6	DSI	0.98	36		P1	02H	0.05			TEH	TEC
6	6	DSI	0.82	27		P1	03H	-0.03			TEH	TEC
6	6	SAI	0.47	92		6	02H	0.01	0.52		02H	02H
6	6	MAI	0.18	95		6	03H	-0.10	0.15		03H	03H
6	7	DSI	0.71	77		P1	01H	-0.03			TEH	TEC
6	7	DSI	0.92	56		P1	02H	0.08			TEH	TEC
6	7	DSI	0.74	81		P1	02H	0.08			TEH	TEC
6	9	DSI	1.32	93		P1	01H	0.03			TEH	TEC
6	9	DSI	0.87	57		P1	03H	0.00			TEH	TEC
6	9	MAI	0.93	93		6	01H	-0.10	0.31		01H	01H
6	13	DSI	1.24	78		P1	01H	0.05			TEH	TEC
6	13	MAI	0.79	87		6	01H	-0.11	0.46		01H	01H
6	14	DSI	1.29	80		P1	01H	-0.05			TEH	TEC
6	14	MAI	0.66	95		6	01H	-0.17	0.53		01H	01H
6	16	DSI	0.53	46		P1	01H	0.05			TEH	TEC
6	16	SAI	0.43	88		6	01H	-0.11	0.43		01H	01H
6	17	DSI	1.83	62		P1	01H	0.10			TEH	TEC
6	17	MAI	1.96	75		6	01H	0.05	0.34		01H	01H
6	19	DSI	1.92	83		P1	01H	0.00			TEH	TEC
6	19	DSI	0.39	74		P1	02H	-0.05			TEH	TEC
6	19	MAI	0.70	92		6	01H	-0.06	0.32		01H	01H
6	20	SPR	1.50	22		P1	01H	0.08			TEH	TEC
6	20	MAI	0.39	104		6	01H	0.04	0.29		01H	01H
6	21	DSI	1.02	48		P1	01H	0.10			TEH	TEC
6	21	DSI	1.03	97		P1	02H	-0.10			TEH	TEC
6	21	MAI	0.56	90		6	01H	0.01	0.47		01H	01H
6	22	DSI	1.08	43		P1	01H	0.05			TEH	TEC
6	22	MAI	0.26	106		6	01H	0.11	0.40		01H	01H
6	24	DSI	0.63	134		P1	02H	-0.11			1SH	TEC
6	26	MAI	0.15	120		6	TSH	0.14	0.31		TSH	TSH
6	26	SAI	0.13	93		6	TSH	0.96	0.18		TSH	TSH
6	26	SAI	0.09	77		6	TSH	0.83	0.15		TSH	TSH
6	26	SAI	0.10	82		6	TSH	0.62	0.18		TSH	TSH
6	26	DSI	1.36	41		P1	01H	-0.08			TEH	TEC
6	26	MAI	0.20	101		6	01H	-0.05	0.38		01H	01H
6	29	PIU	0.49	38		P3	STH	0.10			STH	STH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
6	30	DSI	0.93	98		P1	01H	-0.18			STH	TEC
6	30	DSI	0.75	109		P1	02H	-0.06			STH	TEC
6	33	SAI	0.14	104		6	TSH	0.38	0.20		TSH	TSH
6	33	SAI	0.14	65		6	TSH	0.23	0.18		TSH	TSH
6	33	SAI	0.20	97		6	TSH	0.14	0.20		TSH	TSH
6	35	DSI	0.77	48		P1	01H	-0.03			TEH	TEC
6	35	SAI	0.32	91		6	01H	-0.02	0.45		01H	01H
6	35	SAI	0.35	100		6	01H	0.01	0.43		TSH	01H
6	38	DSI	0.76	92		P1	01H	0.05			TEH	TEC
6	39	DSI	0.57	107		P1	01H	-0.11			TEH	TEC
6	40	DSI	0.36	81		P1	01H	0.05			TEH	TEC
6	40	DSI	0.61	100		P1	04H	-0.03			TEH	TEC
6	40	DSI	0.29	131		P1	05H	0.05			TEH	TEC
6	41	DSI	0.90	135		P1	01H	-0.10			TEH	TEC
6	44	DSI	0.75	145		P1	01H	0.05			TEH	TEC
6	46	DSI	0.98	81		P1	01H	0.06			TEH	TEC
6	48	DSI	1.02	117		P1	01H	0.06			TEH	TEC
6	50	DSI	1.20	64		P1	01H	0.00			TEH	TEC
6	50	MAI	0.45	95		6	01H	-0.08	0.55		01H	01H
6	56	DSI	0.34	98		P1	01H	0.06			TEH	TEC
6	61	DSI	0.57	74		P1	01H	0.08			TEH	TEC
6	65	DSI	0.52	39		P1	01H	0.08			TEH	TEC
6	75	DSI	0.46	33		P1	03H	0.05			TEH	TEC
6	75	SAI	0.24	89		6	03H	-0.05	0.27		03H	03H
6	78	DSI	0.90	128		P1	01H	0.13			TEH	TEC
6	78	DSI	0.39	84		P1	03H	0.05			TEH	TEC
6	83	DSI	0.65	118		P1	01H	0.15			TEH	TEC
6	86	DSI	0.46	35		P1	02H	0.03			TEH	TEC
6	86	SAI	0.25	106		6	02H	0.01	0.31		02H	02H
6	87	DSI	0.68	68		P1	02H	-0.13			TEH	TEC
6	87	DSI	0.72	109		P1	04H	0.05			TEH	TEC
6	90	DSI	0.94	20		P1	05H	0.00			TEH	TEC
7	1	PCT	0.68	133	21	P1	02C	0.08			TEH	TEC
7	1	PSI	14.29	147		8	07H	-0.16			TEH	TEC
7	4	PSI	14.32	158		8	07H	-0.16			TEH	TEC
7	4	CSI	0.58	158		9	07H	0.02		40	07H	07H
7	5	DSI	0.52	108		P1	02H	0.08			TEH	TEC
7	6	DSI	1.04	113		P1	01H	0.13			TEH	TEC
7	9	DSI	1.39	90		P1	01H	0.05			TEH	TEC
7	9	DSI	0.57	102		P1	02H	0.05			TEH	TEC
7	9	DSI	0.41	88		P1	03H	0.05			TEH	TEC
7	9	DSI	0.83	52		P1	04H	0.10			TEH	TEC
7	9	MAI	0.34	98		6	04H	-0.10	0.38		04H	04H
7	9	MAI	0.64	85		6	01H	0.01	0.31		01H	01H
7	10	DSI	1.11	70		P1	01H	0.05			TEH	TEC
7	10	DSI	0.97	34		P1	02H	0.00			TEH	TEC
7	10	MAI	0.35	85		6	02H	-0.14	0.35		02H	02H
7	12	DSI	0.82	57		P1	01H	0.00			TEH	TEC
7	12	DSI	1.40	60		P1	02H	0.00			TEH	TEC
7	12	DSI	0.68	24		P1	03H	0.08			TEH	TEC
7	12	MAI	0.34	98		6	03H	-0.08	0.25		03H	03H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
7	12	MAI	0.98	88		6	02H	-0.02	0.53		02H	02H
7	14	DSI	0.77	113		P1	01H	-0.05			TEH	TEC
7	14	DSI	1.48	103		P1	02H	-0.03			TEH	TEC
7	14	MAI	1.03	93		6	02H	-0.06	0.61		02H	02H
7	17	DSI	0.69	29		P1	01H	0.00			TEH	TEC
7	17	MAI	0.44	82		6	01H	0.09	0.31		01H	01H
7	18	SAI	0.08	87		6	TSH	-0.03	0.24		TSH	TSH
7	18	DSI	1.37	103		P1	01H	-0.05			TEH	TEC
7	18	MAI	0.85	87		6	01H	-0.03	0.55		01H	01H
7	21	DSI	0.75	67		P1	01H	0.03			TEH	TEC
7	23	DSI	0.94	101		P1	01H	-0.12			STH	TEC
7	23	DSI	0.82	44		P1	02H	0.06			STH	TEC
7	23	DSI	0.26	161		P1	03H	0.09			STH	TEC
7	23	DSI	0.78	71		P1	04H	-0.03			STH	TEC
7	23	SAI	0.72	103		2	02H	0.04	0.49		02H	02H
7	25	DSI	0.58	76		P1	01H	-0.03			STH	TEC
7	31	DSI	0.67	34		P1	02H	0.06			STH	TEC
7	31	SAI	0.50	110		2	02H	0.02	0.39		02H	02H
7	34	DSI	0.38	155		P1	01H	0.17			STH	TEC
7	34	DSI	0.54	120		P1	02H	0.12			STH	TEC
7	34	DSI	0.80	126		P1	03H	-0.17			STH	TEC
7	36	PIU	0.54	11		P3	STH	-0.09			STH	STH
7	36	DSI	0.64	51		P1	02H	0.06			STH	TEC
7	36	SAI	0.44	112		2	02H	0.01	0.51		02H	02H
7	37	MAI	0.19	79		6	TSH	0.56	0.18		TSH	TSH
7	44	DSI	0.80	92		P1	01H	-0.05			TEH	TEC
7	44	DSI	0.53	83		P1	02H	0.00			TEH	TEC
7	45	DSI	0.54	88		P1	01H	-0.03			TEH	TEC
7	50	DSI	0.81	127		P1	01H	-0.13			TEH	TEC
7	51	DSI	0.79	87		P1	01H	0.03			TEH	TEC
7	56	DSI	0.77	102		P1	01H	0.00			TEH	TEC
7	57	DSI	0.98	75		P1	01H	0.05			TEH	TEC
7	58	DSI	1.30	122		P1	01H	0.10			TEH	TEC
7	58	MAI	1.02	92		6	01H	0.05	0.48		01H	01H
7	63	DSI	0.43	49		P1	01H	0.00			TEH	TEC
7	63	SAI	0.49	91		6	01H	0.11	0.36		01H	01H
7	65	DSI	0.62	45		P1	01H	0.03			TEH	TEC
7	65	SAI	0.36	116		6	01H	0.02	0.30		01H	01H
7	72	DSI	0.97	73		P1	01H	0.16			TEH	TEC
7	73	DSI	0.59	35		P1	01H	0.03			TEH	TEC
7	73	SAI	0.35	97		6	01H	0.02	0.36		01H	01H
7	74	DSI	1.87	140		P1	01H	0.00			TEH	TEC
7	74	DSI	0.38	125		P1	07H	0.12			TEH	TEC
7	74	SAI	0.45	82		6	01H	0.02	0.48		01H	01H
7	81	DSI	0.85	150		P1	01H	0.10			TEH	TEC
7	88	DSI	0.61	48		P1	02H	0.05			TEH	TEC
7	88	DSI	0.39	35		P1	04H	0.10			TEH	TEC
7	88	SAI	0.27	101		6	02H	-0.03	0.32		02H	02H
7	88	SAI	0.26	97		6	04H	0.00	0.30		04H	04H
7	89	DSI	0.54	56		P1	02H	0.10			TEH	TEC
7	91	PCT	0.40	133	19	P1	02C	0.18			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
7	92	PCT	1.31	136	15	P1	01C	-0.05			TEH	TEC
7	94	PCT	0.35	129	25	P1	01C	0.03			TEH	TEC
8	2	PCT	0.70	140	9	P1	02C	0.03			TEH	TEC
8	5	DSI	0.49	79		P1	01H	0.08			TEH	TEC
8	6	DSI	1.09	96		P1	01H	0.18			TEH	TEC
8	8	DSI	0.55	81		P1	01H	0.13			TEH	TEC
8	13	DSI	1.33	63		P1	01H	0.03			TEH	TEC
8	13	DSI	0.53	156		P1	06H	-0.08			TEH	TEC
8	13	MAI	0.47	98		6	01H	0.07	0.28		01H	01H
8	17	DSI	0.52	69		P1	01H	0.05			TEH	TEC
8	18	DSI	0.73	73		P1	01H	0.03			TEH	TEC
8	20	DSI	0.80	136		P1	01H	0.13			TEH	TEC
8	28	DSI	0.44	113		P1	01H	-0.06			STH	TEC
8	31	DSI	0.43	85		P1	02H	0.11			STH	TEC
8	32	PTP	5.88	68		P5	SBH	1.07			SBH	SBH
8	34	DSI	0.92	111		P1	01H	0.09			STH	TEC
8	36	DSI	0.61	93		P1	02H	0.17			STH	TEC
8	39	DSI	1.04	69		P1	01H	0.00			STH	TEC
8	44	DSI	0.77	38		P1	01H	-0.03			TEH	TEC
8	45	MAI	0.19	79		6	TSH	0.15	0.23		TSH	TSH
8	45	DSI	1.12	76		P1	01H	0.00			TEH	TEC
8	47	DSI	1.26	103		P1	01H	-0.06			TEH	TEC
8	47	MAI	0.57	95		6	01H	-0.06	0.68		01H	01H
8	50	DSI	1.07	114		P1	01H	0.00			TEH	TEC
8	58	DSI	0.48	42		P1	02H	0.03			TEH	TEC
8	58	MAI	0.31	100		6	02H	-0.03	0.36		02H	02H
8	64	DSI	0.87	52		P1	01H	0.00			TEH	TEC
8	64	SAI	0.59	83		6	01H	0.00	0.34		01H	01H
8	74	DSI	1.23	102		P1	01H	0.13			TEH	TEC
8	74	MAI	0.97	97		6	01H	-0.03	0.20		01H	01H
8	82	DSI	0.36	91		P1	01H	0.00			TEH	TEC
8	82	DSI	1.03	68		P1	02H	0.05			TEH	TEC
8	88	DSI	0.37	85		P1	01H	-0.08			TEH	TEC
9	3	DSI	0.43	25		P1	01H	-0.03			TEH	TEC
9	3	DSI	0.42	159		P1	02H	-0.06			TEH	TEC
9	3	SAI	0.20	99		6	01H	0.03	0.40		01H	01H
9	5	DSI	0.79	68		P1	01H	0.00			TEH	TEC
9	8	DSI	0.73	41		P1	01H	0.05			TEH	TEC
9	8	DSI	0.81	38		P1	02H	0.00			TEH	TEC
9	8	DSI	0.76	28		P1	04H	0.00			TEH	TEC
9	8	MAI	0.35	90		6	01H	-0.15	0.46		01H	01H
9	8	SAI	0.26	116		6	02H	0.03	0.48		02H	02H
9	10	DSI	0.65	63		P1	01H	0.00			TEH	TEC
9	10	DSI	0.28	41		P1	05H	0.05			TEH	TEC
9	10	SAI	0.20	117		6	05H	-0.05	0.19		05H	05H
9	12	DSI	0.57	25		P1	01H	-0.03			TEH	TEC
9	12	MAI	0.27	97		6	01H	0.00	0.37		01H	01H
9	15	DSI	1.35	53		P1	01H	0.03			TEH	TEC
9	15	DSI	0.78	74		P1	02H	0.00			TEH	TEC
9	15	DSI	0.79	84		P1	03H	-0.13			TEH	TEC
9	15	MAI	0.22	89		6	01H	-0.07	0.19		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
9	19	DSI	0.82	89		P1	01H	0.03			TEH	TEC
9	20	DSI	0.23	41		P1	01H	0.03			TEH	TEC
9	20	DSI	0.79	51		P1	02H	-0.08			TEH	TEC
9	20	SAI	0.39	102		6	01H	0.01	0.31		01H	01H
9	20	SAI	0.38	101		6	02H	-0.12	0.33		02H	02H
9	21	SAI	0.16	53		6	TSH	0.07	0.18		TSH	TSH
9	22	DSI	0.94	97		P1	01H	-0.09			STH	TEC
9	24	DSI	0.59	57		P1	01H	0.05			TEH	TEC
9	26	SAI	0.19	101		6	TSH	0.20	0.31		TSH	TSH
9	26	DSI	0.31	83		P1	01H	-0.03			TEH	TEC
9	28	DSI	1.07	105		P1	01H	0.03			STH	TEC
9	29	DSI	0.42	96		P1	01H	0.00			STH	TEC
9	32	DSI	0.65	131		P1	01H	-0.20			STH	TEC
9	36	DSI	0.69	47		P1	03H	0.06			2SH	TEC
9	36	MAI	0.43	106		2	03H	-0.03	0.49		03H	03H
9	37	DSI	0.53	89		P1	01H	0.00			STH	TEC
9	39	DSI	0.40	62		P1	01H	-0.09			STH	TEC
9	44	SAI	0.13	75		6	TSH	0.48	0.18		TSH	TSH
9	46	DSI	0.43	33		P1	01H	0.09			TEH	TEC
9	46	SAI	0.18	93		6	01H	0.00	0.22		01H	01H
9	47	DSI	0.44	52		P1	01H	0.03			STH	TEC
9	47	DSI	0.47	47		P1	01H	0.05			STH	TEC
9	47	MAI	0.42	120		2	01H	-0.06	0.39		01H	01H
9	48	DSI	1.48	93		P1	01H	-0.12			TEH	TEC
9	48	DSI	0.90	103		P1	02H	0.20			TEH	TEC
9	48	MAI	0.37	116		6	01H	-0.12	0.70		01H	01H
9	59	DSI	1.63	90		P1	01H	0.03			TEH	TEC
9	59	MAI	0.76	93		6	01H	0.03	0.61		01H	01H
9	67	DSI	0.78	89		P1	01H	-0.10			TEH	TEC
9	70	DSI	0.69	68		P1	01H	0.00			TEH	TEC
9	70	DSI	0.45	55		P1	03H	0.05			TEH	TEC
9	70	SAI	0.44	107		6	03H	-0.05	0.34		03H	03H
9	72	DSI	0.93	65		P1	01H	0.08			TEH	TEC
9	72	DSI	0.67	61		P1	02H	0.03			TEH	TEC
9	73	DSI	0.37	89		P1	02H	0.05			TEH	TEC
9	74	DSI	0.75	51		P1	02H	0.03			TEH	TEC
9	74	SAI	0.42	97		6	02H	0.04	0.31		02H	02H
9	75	DSI	1.50	108		P1	01H	0.00			TEH	TEC
9	75	DSI	0.69	108		P1	02H	-0.10			TEH	TEC
9	75	MAI	1.01	95		6	01H	0.00	0.57		01H	01H
9	79	DSI	0.66	131		P1	01H	0.20			TEH	TEC
9	79	DSI	1.22	67		P1	02H	-0.13			TEH	TEC
9	79	DSI	0.63	33		P1	03H	-0.03			TEH	TEC
9	79	DSI	0.75	67		P1	04H	-0.03			TEH	TEC
9	79	SAI	0.38	95		6	03H	0.12	0.43		03H	03H
9	79	MAI	0.41	87		6	02H	-0.02	0.34		02H	02H
9	81	DSI	1.09	89		P1	04H	-0.15			TEH	TEC
9	82	DSI	0.79	70		P1	01H	0.00			TEH	TEC
9	82	DSI	0.68	71		P1	02H	0.00			TEH	TEC
9	83	DSI	0.64	56		P1	01H	0.00			TEH	TEC
9	83	DSI	1.03	74		P1	02H	-0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
9	84	DSI	0.75	45		P1	02H	0.05			TEH	TEC
9	84	DSI	0.75	42		P1	03H	0.08			TEH	TEC
9	84	DSI	0.80	27		P1	04H	-0.05			TEH	TEC
9	84	SAI	0.26	94		6	02H	-0.12	0.25		02H	02H
9	84	SAI	0.37	102		6	03H	-0.01	0.34		03H	03H
9	86	DSI	0.67	44		P1	02H	0.08			TEH	TEC
9	86	SAI	0.35	108		6	02H	-0.01	0.32		02H	02H
9	88	DSI	0.71	51		P1	03H	-0.03			TEH	TEC
9	91	DSI	0.50	61		P1	02H	0.00			TEH	TEC
9	91	DSI	0.74	71		P1	04H	0.05			TEH	TEC
9	91	DSI	0.97	69		P1	05H	0.00			TEH	TEC
9	93	PCT	1.22	128	26	P1	02C	0.09			TEH	TEC
10	2	PCT	0.97	139	14	P1	02C	-0.09			TEH	TEC
10	3	PCT	0.43	148	0	P1	03C	0.00			TEH	TEC
10	3	VOL	0.44	109		P2	03C	0.01			03C	03C
10	4	DSI	0.71	74		P1	01H	0.03			TEH	TEC
10	7	DSI	1.07	41		P1	01H	0.00			TEH	TEC
10	7	MAI	0.40	88		6	01H	0.00	0.23		01H	01H
10	8	DSI	0.86	48		P1	01H	0.03			TEH	TEC
10	8	MAI	0.81	93		6	01H	0.07	0.48		01H	01H
10	9	DSI	0.61	31		P1	01H	0.00			TEH	TEC
10	9	SAI	0.46	96		6	01H	-0.01	0.47		01H	01H
10	10	DSI	0.88	70		P1	01H	0.03			TEH	TEC
10	11	DSI	1.32	103		P1	01H	0.08			TEH	TEC
10	11	DSI	0.93	69		P1	02H	-0.05			TEH	TEC
10	11	MAI	0.83	93		6	01H	0.01	0.61		01H	01H
10	12	DSI	0.54	57		P1	01H	0.11			TEH	TEC
10	12	DSI	0.36	29		P1	02H	0.08			TEH	TEC
10	12	MAI	0.24	108		6	02H	-0.06	0.35		02H	02H
10	13	DSI	1.60	99		P1	01H	0.08			TEH	TEC
10	13	MAI	1.18	86		6	01H	0.01	0.32		01H	01H
10	14	DSI	0.39	59		P1	01H	0.08			TEH	TEC
10	14	DSI	0.36	94		P1	02H	0.00			TEH	TEC
10	15	DSI	1.13	59		P1	01H	0.08			TEH	TEC
10	15	DSI	0.52	72		P1	02H	-0.05			TEH	TEC
10	16	DSI	1.99	88		P1	01H	0.10			TEH	TEC
10	16	MAI	1.84	80		6	01H	0.04	0.70		01H	01H
10	17	DSI	0.61	70		P1	01H	0.03			TEH	TEC
10	17	DSI	0.45	51		P1	02H	0.03			TEH	TEC
10	17	SAI	0.36	98		6	02H	0.02	0.36		02H	02H
10	18	DSI	0.31	50		P1	02H	-0.03			TEH	TEC
10	18	SAI	0.32	95		6	02H	-0.04	0.38		02H	02H
10	20	DSI	1.30	108		P1	01H	0.00			TEH	TEC
10	20	MAI	0.59	99		6	01H	-0.04	0.32		01H	01H
10	21	DSI	0.44	73		P1	01H	0.03			TEH	TEC
10	23	DSI	0.61	55		P1	01H	0.03			TEH	TEC
10	23	MAI	0.30	97		6	01H	-0.08	0.38		01H	01H
10	25	DSI	0.65	100		P1	01H	-0.03			STH	TEC
10	26	DSI	0.31	75		P1	01H	0.00			STH	TEC
10	30	PTP	0.44	65		6	SBH	1.32			SBH	SBH
10	31	DSI	0.33	54		P1	01H	0.11			STH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
10	31	SAI	0.47	100		2	01H	0.01	0.46		01H	01H
10	33	DSI	1.01	80		P1	01H	-0.09			STH	TEC
10	35	SAI	0.15	93		6	TSH	0.86	0.23		TSH	TSH
10	35	MAI	0.25	76		6	TSH	1.44	0.56		TSH	TSH
10	37	SAI	0.29	69		6	TSH	1.36	0.28		TSH	TSH
10	39	DSI	0.71	91		P1	01H	0.03			STH	TEC
10	44	SAI	0.13	100		6	TSH	0.63	0.26		TSH	TSH
10	48	DSI	0.57	51		P1	01H	0.00			STH	TEC
10	48	MAI	0.47	95		2	01H	-0.07	0.33		01H	01H
10	53	DSI	0.33	45		P1	01H	-0.03			TEH	TEC
10	53	DSI	0.76	54		P1	02H	0.00			TEH	TEC
10	53	SAI	0.20	106		6	01H	0.02	0.18		01H	01H
10	53	SAI	0.32	94		6	02H	0.05	0.39		02H	02H
10	56	DSI	0.52	62		P1	01H	0.00			TEH	TEC
10	63	DSI	0.57	32		P1	01H	0.28			TEH	TEC
10	65	DSI	0.95	57		P1	01H	0.03			TEH	TEC
10	69	DNI	1.79	106		5	07H	13.68			TEH	TEC
10	72	DSI	1.04	155		P1	01H	0.18			TEH	TEC
10	82	DSI	0.61	38		P1	02H	0.00			TEH	TEC
10	82	SAI	0.39	86		6	02H	-0.05	0.32		02H	02H
10	92	PCT	1.53	126	28	P1	01C	-0.11			TEH	TEC
10	93	DSI	0.48	148		P1	01H	0.14			TEH	TEC
11	3	PCT	0.53	142	8	P1	01C	-0.17			TEH	TEC
11	4	DSI	0.26	125		P1	03H	-0.03			TEH	TEC
11	7	DSI	0.35	89		P1	01H	0.08			TEH	TEC
11	7	DSI	0.59	55		P1	03H	0.05			TEH	TEC
11	7	MAI	0.30	87		6	03H	0.07	0.35		03H	03H
11	9	DSI	1.10	85		P1	01H	0.10			TEH	TEC
11	12	DSI	0.66	75		P1	01H	0.00			TEH	TEC
11	14	DSI	0.85	71		P1	01H	0.00			TEH	TEC
11	17	DSI	0.54	82		P1	01H	0.13			TEH	TEC
11	19	DSI	1.20	68		P1	01H	0.08			TEH	TEC
11	19	MAI	1.19	86		6	01H	-0.01	0.40		01H	01H
11	21	DSI	0.45	117		P1	01H	0.08			TEH	TEC
11	22	PIU	0.83	24		P3	1UH	-1.69			1UH	1UH
11	22	DSI	0.83	63		P1	03H	-0.03			1SH	TEC
11	24	DSI	0.64	58		P1	01H	0.00			STH	TEC
11	28	PIU	0.91	11		4	STH	-2.18			STH	STH
11	28	DSI	1.02	113		P1	01H	0.17			STH	TEC
11	28	DSI	0.90	100		P1	02H	0.06			STH	TEC
11	29	DSI	0.47	90		P1	02H	0.06			1SH	TEC
11	29	DSI	0.31	129		P1	03H	0.03			1SH	TEC
11	31	DSI	0.45	60		P1	01H	0.00			STH	TEC
11	31	DSI	0.40	48		P1	02H	0.06			STH	TEC
11	31	SAI	0.50	99		2	02H	-0.11	0.39		02H	02H
11	32	DSI	0.68	35		P1	01H	0.06			STH	TEC
11	32	SAI	0.55	88		2	01H	-0.02	0.36		01H	01H
11	34	DSI	0.50	40		P1	01H	0.06			STH	TEC
11	34	SAI	0.39	92		2	01H	-0.05	0.57		01H	01H
11	38	DSI	0.58	113		P1	01H	-0.18			STH	TEC
11	38	DSI	0.84	132		P1	02H	-0.09			STH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
11	39	DSI	0.43	87		P1	04H	0.06			1SH	TEC
11	44	MAI	0.29	96		6	TSH	0.62	0.65		TSH	TSH
11	50	DSI	0.97	93		P1	01H	-0.06			STH	TEC
11	53	DSI	0.64	90		P1	01H	0.00			TEH	TEC
11	58	DSI	0.31	84		P1	02H	0.00			TEH	TEC
11	60	DSI	0.90	94		P1	01H	-0.08			TEH	TEC
11	61	DSI	0.49	50		P1	01H	0.05			TEH	TEC
11	61	SAI	0.47	100		6	01H	-0.11	0.48		01H	01H
11	66	DSI	0.67	146		P1	01H	-0.21			TEH	TEC
11	69	DSI	0.67	62		P1	01H	0.05			TEH	TEC
11	72	DSI	0.43	36		P1	02H	0.03			TEH	TEC
11	72	SAI	0.29	101		6	02H	-0.01	0.30		02H	02H
11	82	DSI	0.76	24		P1	01H	0.03			TEH	TEC
11	84	DSI	0.48	28		P1	01H	0.03			TEH	TEC
11	91	PCT	0.54	135	18	P1	02C	0.17			TEH	TEC
12	2	DSI	0.26	48		P1	01H	0.00			TEH	TEC
12	2	MAI	0.36	82		6	01H	0.00	0.35		01H	01H
12	3	DSI	1.67	105		P1	01H	0.14			TEH	TEC
12	3	MAI	0.41	96		6	01H	-0.20	0.24		01H	01H
12	4	DSI	0.37	37		P1	03H	0.06			TEH	TEC
12	4	MAI	0.19	78		6	03H	0.06	0.41		03H	03H
12	8	DSI	1.10	84		P1	02H	0.00			1SH	TEC
12	8	DSI	0.47	91		P1	03H	0.00			1SH	TEC
12	8	DSI	0.69	61		P1	04H	0.03			1SH	TEC
12	9	DSI	0.39	82		P1	01H	0.10			TEH	TEC
12	11	DSI	1.26	91		P1	01H	0.08			TEH	TEC
12	11	DSI	0.19	69		P1	02H	0.00			TEH	TEC
12	11	MAI	0.60	101		6	01H	-0.09	0.40		01H	01H
12	19	DSI	0.92	131		P1	01H	-0.10			TEH	TEC
12	19	DSI	1.27	90		P1	02H	0.05			TEH	TEC
12	19	SPR	1.55	125		P1	03H	0.16			TEH	TEC
12	19	SAI	0.16	108		6	03H	-0.08	0.31		03H	03H
12	19	MAI	0.60	97		6	02H	0.04	0.62		02H	02H
12	20	DSI	0.61	40		P1	01H	-0.03			TEH	TEC
12	20	DSI	0.69	48		P1	02H	0.08			TEH	TEC
12	20	MAI	0.22	88		6	01H	-0.03	0.31		01H	01H
12	20	SAI	0.45	98		6	02H	0.01	0.50		02H	02H
12	24	PIU	0.67	27		P3	STH	-2.05			STH	STH
12	24	DSI	0.49	166		P1	01H	0.12			STH	TEC
12	28	DSI	0.71	62		P1	01H	0.09			STH	TEC
12	28	DSI	0.85	76		P1	02H	-0.03			STH	TEC
12	31	DSI	0.93	108		P1	01H	0.00			STH	TEC
12	34	DSI	1.27	123		P1	01H	0.23			STH	TEC
12	37	DSI	0.56	86		P1	01H	-0.03			TEH	TEC
12	37	DSI	0.40	95		P1	02H	0.08			TEH	TEC
12	39	DSI	0.59	141		P1	01H	-0.14			STH	TEC
12	39	DSI	0.73	56		P1	02H	0.00			STH	TEC
12	43	DSI	0.65	99		P1	01H	0.09			STH	TEC
12	44	DSI	0.52	51		P1	02H	0.09			STH	TEC
12	44	SAI	0.44	103		2	02H	0.00	0.39		02H	02H
12	47	DSI	0.36	71		P1	02H	0.06			STH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
12	54	DSI	0.68	118		P1	01H	0.14			STH	TEC
12	54	DSI	0.80	69		P1	02H	0.11			STH	TEC
12	58	DSI	0.53	46		P1	01H	-0.03			TEH	TEC
12	58	SAI	0.30	88		6	01H	-0.03	0.30		01H	01H
12	60	DSI	0.69	45		P1	01H	0.05			TEH	TEC
12	60	SAI	0.48	95		6	01H	-0.02	0.41		01H	01H
12	64	DSI	1.23	64		P1	02H	0.05			TEH	TEC
12	64	SAI	1.13	79		6	02H	-0.11	0.67		02H	02H
12	65	DSI	0.77	53		P1	01H	0.03			TEH	TEC
12	65	SAI	0.32	96		6	01H	-0.07	0.30		01H	01H
12	70	DSI	0.50	67		P1	04H	0.15			TEH	TEC
12	74	FSI	0.58	103		3	02H	28.15			TEH	TEC
12	75	DSI	0.90	127		P1	01H	-0.13			TEH	TEC
12	75	DSI	0.28	25		P1	05H	0.05			TEH	TEC
12	77	DSI	0.76	140		P1	01H	0.16			TEH	TEC
12	80	DSI	0.45	51		P1	01H	0.00			TEH	TEC
12	80	SAI	0.45	89		6	01H	-0.01	0.36		01H	01H
12	87	DSI	0.61	164		P1	01H	-0.10			TEH	TEC
12	87	DSI	0.73	53		P1	02H	0.05			TEH	TEC
12	87	DSI	0.58	58		P1	03H	0.08			TEH	TEC
12	87	SAI	0.71	88		6	02H	-0.05	0.30		02H	02H
12	90	DSI	0.26	81		P1	04H	0.10			TEH	TEC
12	91	PCT	0.24	139	12	P1	02C	-0.06			TEH	TEC
12	92	PCT	1.49	131	22	P1	01C	-0.03			TEH	TEC
12	93	PCT	0.39	143	7	P1	05C	-0.17			TEH	TEC
12	93	VOL	0.30	90		P2	05C	-0.24			05C	05C
13	3	DSI	1.27	103		P1	01H	0.14			TEH	TEC
13	3	DSI	0.52	148		P1	02H	0.14			TEH	TEC
13	3	DSI	0.42	147		P1	03H	0.20			TEH	TEC
13	3	MAI	0.92	92		6	01H	0.04	0.39		01H	01H
13	4	PCT	0.97	129	24	P1	02C	0.03			TEH	TEC
13	4	VOL	0.98	96		P2	02C	0.03			02C	02C
13	6	SAI	0.14	83		6	TSH	0.06	0.19		TSH	TSH
13	7	DSI	0.40	107		P1	01H	0.10			TEH	TEC
13	9	DSI	0.70	48		P1	02H	-0.03			TEH	TEC
13	9	SAI	0.74	94		6	02H	0.07	0.57		02H	02H
13	10	DSI	0.60	72		P1	01H	0.05			TEH	TEC
13	14	DSI	0.86	40		P1	01H	0.00			TEH	TEC
13	14	DSI	0.46	41		P1	02H	0.08			TEH	TEC
13	14	MAI	0.73	94		6	01H	0.00	0.47		01H	01H
13	14	SAI	0.41	97		6	02H	0.03	0.51		02H	02H
13	15	DSI	0.75	74		P1	01H	0.03			TEH	TEC
13	16	DSI	0.71	50		P1	01H	0.11			TEH	TEC
13	16	DSI	0.56	54		P1	02H	0.03			TEH	TEC
13	16	SAI	0.78	92		6	01H	0.08	0.42		01H	01H
13	16	SAI	0.45	273		6	02H	-0.14	0.29		02H	02H
13	17	DSI	1.09	99		P1	01H	-0.08			TEH	TEC
13	18	DSI	0.51	67		P1	01H	0.00			TEH	TEC
13	20	DSI	0.37	55		P1	01H	0.08			TEH	TEC
13	20	DSI	0.40	58		P1	02H	0.13			TEH	TEC
13	20	MAI	0.22	93		6	01H	0.03	0.52		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
13	21	DSI	0.51	67		P1	02H	0.00			TEH	TEC
13	22	DSI	1.07	121		P1	01H	-0.05			TEH	TEC
13	22	DSI	0.36	80		P1	02H	0.03			TEH	TEC
13	23	DSI	0.48	141		P1	02H	-0.03			TEH	TEC
13	25	PIU	0.61	9		P3	2UH	-2.17			2UH	2UH
13	25	DSI	0.53	77		P1	03H	-0.14			2SH	TEC
13	28	DSI	0.93	102		P1	01H	-0.18			STH	TEC
13	28	DSI	0.67	47		P1	02H	0.24			STH	TEC
13	28	SAI	0.52	95		2	02H	0.27	0.57		02H	02H
13	31	PIU	1.01	27		P3	STH	-1.96			STH	STH
13	31	DSI	0.52	91		P1	01H	0.09			STH	TEC
13	31	DSI	0.26	89		P1	02H	0.09			STH	TEC
13	38	DSI	0.83	119		P1	02H	-0.17			STH	TEC
13	43	DSI	0.37	92		P1	01H	-0.05			TEH	TEC
13	43	DSI	0.59	96		P1	02H	-0.08			TEH	TEC
13	44	DSI	0.67	112		P1	01H	0.03			STH	TEC
13	46	MAI	0.31	82		6	TSH	0.56	0.75		TSH	TSH
13	47	DSI	1.00	118		P1	01H	0.06			STH	TEC
13	48	DSI	0.80	103		P1	01H	-0.06			STH	TEC
13	48	DSI	0.82	106		P1	01H	-0.08			STH	TEC
13	50	DSI	0.68	55		P1	01H	-0.03			STH	TEC
13	50	DSI	0.65	34		P1	02H	0.06			STH	TEC
13	50	MAI	0.57	118		2	01H	-0.09	0.31		01H	01H
13	50	SAI	0.65	114		2	02H	0.03	0.51		02H	02H
13	52	DSI	0.60	73		P1	03H	0.00			STH	TEC
13	69	DSI	1.33	104		P1	01H	0.16			TEH	TEC
13	69	DSI	0.42	62		P1	02H	0.00			TEH	TEC
13	69	DSI	0.82	58		P1	03H	-0.13			TEH	TEC
13	69	DSI	0.46	81		P1	04H	0.13			TEH	TEC
13	69	MAI	0.85	89		6	01H	0.16	0.61		01H	01H
13	71	DSI	0.78	52		P1	03H	0.03			TEH	TEC
13	71	SAI	0.42	96		6	03H	-0.08	0.34		03H	03H
13	73	DSI	0.80	66		P1	01H	0.00			TEH	TEC
13	73	DSI	0.36	31		P1	02H	0.00			TEH	TEC
13	73	SAI	0.28	128		6	02H	-0.02	0.27		02H	02H
13	74	DSI	0.58	50		P1	01H	-0.05			TEH	TEC
13	74	SAI	0.39	103		6	01H	0.02	0.30		01H	01H
13	78	DSI	0.75	44		P1	01H	0.10			TEH	TEC
13	78	DSI	0.67	31		P1	02H	0.08			TEH	TEC
13	78	MAI	0.24	94		6	01H	0.01	0.25		01H	01H
13	78	SAI	0.23	87		6	02H	0.00	0.31		02H	02H
13	80	DSI	0.52	20		P1	01H	-0.03			TEH	TEC
13	80	SAI	0.33	94		6	01H	0.03	0.20		01H	01H
13	90	PCT	0.65	132	20	P1	02C	0.16			TEH	TEC
13	90	VOL	0.33	115		P2	02C	0.28			02C	02C
13	91	PCT	0.80	132	22	P1	01C	-0.06			TEH	TEC
13	91	VOL	0.40	113		P2	01C	-0.19			01C	01C
14	4	PCT	0.49	144	4	P1	02C	-0.03			TEH	TEC
14	8	DSI	0.79	62		P1	01H	0.00			TEH	TEC
14	11	DSI	0.73	52		P1	01H	0.08			TEH	TEC
14	11	MAI	0.50	101		6	01H	0.18	0.62		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
14	13	DSI	1.01	115		P1	01H	0.16			TEH	TEC
14	13	DSI	1.11	74		P1	02H	0.00			TEH	TEC
14	13	DSI	0.59	138		P1	03H	0.18			TEH	TEC
14	15	DSI	0.58	104		P1	01H	0.05			TEH	TEC
14	20	DSI	0.58	101		P1	01H	0.13			TEH	TEC
14	23	DSI	1.10	53		P1	01H	0.05			TEH	TEC
14	23	MAI	0.66	88		6	01H	-0.01	0.33		01H	01H
14	30	DSI	0.50	75		P1	01H	0.03			STH	TEC
14	33	DSI	0.60	103		P1	01H	0.00			STH	TEC
14	33	DSI	0.54	130		P1	02H	0.03			STH	TEC
14	35	DSI	0.85	112		P1	01H	-0.06			STH	TEC
14	35	DSI	0.70	65		P1	02H	0.00			STH	TEC
14	39	DSI	0.53	97		P1	01H	-0.06			STH	TEC
14	46	DSI	0.97	77		P1	01H	0.00			STH	TEC
14	46	DSI	0.56	86		P1	02H	0.17			STH	TEC
14	50	DSI	0.40	57		P1	02H	-0.09			TEH	TEC
14	51	DSI	0.51	141		P1	01H	0.11			STH	TEC
14	55	DSI	0.56	33		P1	02H	0.03			TEH	TEC
14	64	DSI	1.47	120		P1	01H	-0.05			TEH	TEC
14	64	MAI	0.54	90		6	01H	0.00	0.63		01H	01H
14	65	DSI	1.05	133		P1	01H	-0.08			TEH	TEC
14	65	DSI	0.83	122		P1	02H	0.10			TEH	TEC
14	71	DSI	0.81	91		P1	01H	0.13			TEH	TEC
14	71	DSI	0.52	28		P1	02H	0.00			TEH	TEC
14	71	SAI	0.53	92		6	02H	0.00	0.36		02H	02H
14	73	DSI	0.54	124		P1	01H	-0.10			TEH	TEC
14	77	DSI	0.64	96		P1	01H	-0.03			TEH	TEC
14	79	DSI	0.73	65		P1	01H	0.00			TEH	TEC
14	80	DSI	0.52	48		P1	02H	0.03			TEH	TEC
14	80	PCT	1.05	147	17	P2	AV1	-0.11			TEH	TEC
14	80	SAI	0.24	82		6	02H	-0.01	0.25		02H	02H
14	81	DSI	1.18	110		P1	01H	-0.03			TEH	TEC
14	81	DSI	1.41	100		P1	02H	-0.05			TEH	TEC
14	81	MAI	1.06	82		6	01H	-0.02	0.50		01H	01H
14	81	SAI	0.74	92		6	02H	-0.04	0.44		02H	02H
14	82	DSI	0.48	49		P1	01H	0.00			TEH	TEC
14	82	DSI	0.29	93		P1	03H	0.10			TEH	TEC
14	84	DSI	0.84	150		P1	01H	0.18			TEH	TEC
14	84	DSI	0.82	82		P1	02H	-0.03			TEH	TEC
14	85	DSI	0.43	44		P1	03H	0.03			TEH	TEC
14	85	SAI	0.47	97		6	03H	0.03	0.40		03H	03H
14	87	DSI	0.30	140		P1	01H	0.13			TEH	TEC
14	87	DSI	0.69	33		P1	02H	-0.05			TEH	TEC
14	87	MAI	0.41	101		6	02H	0.02	0.25		02H	02H
14	90	DSI	0.75	101		P1	01H	0.00			TEH	TEC
14	90	DSI	0.79	71		P1	04H	0.09			TEH	TEC
14	92	PCT	0.89	136	16	P1	02C	-0.17			TEH	TEC
15	3	PCT	1.21	121	33	P1	01C	-0.06			TEH	TEC
15	5	DSI	0.57	68		P1	01H	0.00			TEH	TEC
15	6	PCT	0.54	128	32	P1	01C	-0.08			TEH	TEC
15	6	PCT	0.74	137	21	P1	01C	0.10			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
15	6	VOL	1.26	96		P2	01C	-0.01			01C	01C
15	9	DSI	0.38	91		P1	01H	0.10			TEH	TEC
15	10	DSI	0.75	33		P1	01H	-0.05			TEH	TEC
15	10	DSI	0.62	99		P1	02H	0.05			TEH	TEC
15	10	SAI	0.86	98		6	01H	-0.02	0.61		01H	01H
15	11	DSI	0.86	107		P1	01H	-0.05			TEH	TEC
15	11	DSI	0.48	66		P1	02H	0.24			TEH	TEC
15	12	DSI	1.52	111		P1	01H	0.03			TEH	TEC
15	12	DSI	1.37	87		P1	02H	-0.11			TEH	TEC
15	12	DSI	0.87	95		P1	03H	-0.13			TEH	TEC
15	12	DSI	0.67	44		P1	05H	0.03			TEH	TEC
15	12	MAI	0.56	89		6	02H	-0.02	0.47		02H	03H
15	12	MAI	0.29	91		6	03H	-0.09	0.52		02H	03H
15	12	MAI	0.20	97		6	05H	-0.02	0.31		05H	05H
15	12	MAI	0.51	97		6	01H	-0.02	0.32		01H	01H
15	16	DSI	1.26	106		P1	01H	0.16			TEH	TEC
15	16	DSI	0.77	92		P1	02H	-0.05			TEH	TEC
15	16	MAI	0.73	86		6	01H	-0.05	0.55		01H	01H
15	17	DSI	0.53	48		P1	01H	0.05			TEH	TEC
15	17	SAI	0.35	103		6	01H	-0.01	0.48		01H	01H
15	24	SAI	0.16	98		6	TSH	0.33	0.34		TSH	TSH
15	25	DSI	0.80	53		P1	01H	-0.09			STH	TEC
15	25	DSI	1.12	28		P1	02H	0.00			STH	TEC
15	25	MAI	0.27	105		2	01H	0.00	0.39		01H	01H
15	25	SAI	0.30	102		2	02H	0.01	0.49		02H	02H
15	29	DSI	0.88	77		P1	02H	-0.20			1SH	TEC
15	32	DSI	0.69	120		P1	01H	0.06			STH	TEC
15	35	DSI	0.36	62		P1	03H	0.06			2SH	TEC
15	36	DSI	0.81	103		P1	02H	-0.03			1SH	TEC
15	38	SAI	0.35	62		6	TSH	2.37	0.26		TSH	TSH
15	41	DSI	0.72	72		P1	02H	0.23			STH	TEC
15	47	DSI	0.60	127		P1	01H	0.08			TEH	TEC
15	48	DSI	0.55	104		P1	01H	-0.18			TEH	TEC
15	48	DSI	0.38	109		P1	02H	0.03			TEH	TEC
15	49	DSI	1.12	98		P1	01H	-0.06			STH	TEC
15	49	DSI	1.58	90		P1	02H	0.14			STH	TEC
15	49	DSI	0.76	63		P1	03H	0.06			STH	TEC
15	49	DSI	0.39	51		P1	04H	0.14			STH	TEC
15	52	DSI	0.57	57		P1	01H	-0.03			TEH	TEC
15	52	DSI	0.53	50		P1	02H	0.06			TEH	TEC
15	52	SAI	0.26	92		6	02H	-0.05	0.39		02H	02H
15	54	DSI	0.24	93		P1	02H	-0.03			TEH	TEC
15	58	DSI	0.59	88		P1	01H	-0.03			TEH	TEC
15	58	DSI	0.65	66		P1	02H	-0.03			TEH	TEC
15	58	DSI	0.81	48		P1	03H	-0.08			TEH	TEC
15	58	DSI	0.43	110		P1	04H	-0.16			TEH	TEC
15	58	SAI	0.28	99		6	03H	-0.06	0.25		03H	03H
15	60	DSI	0.72	99		P1	01H	-0.18			TEH	TEC
15	60	DSI	0.25	84		P1	03H	0.08			TEH	TEC
15	61	DSI	1.01	102		P1	01H	0.08			TEH	TEC
15	63	DSI	0.54	47		P1	01H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
15	63	DSI	0.86	74		P1	02H	-0.16			TEH	TEC
15	64	DSI	0.87	42		P1	01H	0.00			TEH	TEC
15	64	DSI	0.77	50		P1	02H	-0.08			TEH	TEC
15	64	MAI	0.20	77		6	01H	-0.03	0.36		01H	01H
15	64	SAI	0.61	94		6	02H	-0.09	0.34		02H	02H
15	70	DSI	0.69	27		P1	01H	-0.03			TEH	TEC
15	70	DSI	0.69	26		P1	01H	0.00			TEH	TEC
15	70	DSI	0.71	27		P1	01H	-0.03			TEH	TEC
15	70	SAI	0.23	85		6	01H	-0.11	0.27		01H	01H
15	71	DNI	0.35	96		5	AV3	2.83			TEH	TEC
15	72	DSI	0.46	89		P1	01H	0.08			TEH	TEC
15	78	DSI	0.51	94		P1	01H	0.05			TEH	TEC
15	78	SAI	1.14	12		6	TSH	-1.27	0.36		TSH	TSH
15	81	DSI	0.39	40		P1	01H	0.10			TEH	TEC
15	81	SAI	0.24	98		6	01H	-0.05	0.20		01H	01H
15	85	DSI	0.58	46		P1	04H	0.05			TEH	TEC
15	85	MAI	0.34	90		6	04H	0.04	0.27		04H	04H
15	89	DSI	0.31	12		P1	03H	0.05			TEH	TEC
15	91	PCT	1.36	129	25	P1	01C	0.11			TEH	TEC
15	91	DSI	0.44	70		P1	02H	0.09			TEH	TEC
15	92	DSI	0.31	51		P1	04H	0.06			TEH	TEC
15	92	MAI	0.12	128		6	04H	0.04	0.33		04H	04H
16	5	PCT	1.60	117	37	P1	01C	0.00			TEH	TEC
16	6	PCT	1.11	119	36	P1	01C	0.00			TEH	TEC
16	7	DSI	1.00	82		P1	01H	0.13			TEH	TEC
16	8	DSI	0.35	142		P1	01H	0.03			TEH	TEC
16	8	DSI	0.43	89		P1	02H	0.13			TEH	TEC
16	11	DSI	0.74	83		P1	01H	0.03			TEH	TEC
16	17	DSI	0.73	69		P1	01H	0.03			TEH	TEC
16	19	DSI	1.88	116		P1	01H	-0.05			TEH	TEC
16	19	DSI	0.52	115		P1	02H	-0.16			TEH	TEC
16	19	MAI	1.49	85		6	01H	-0.07	0.30		01H	01H
16	20	DSI	0.78	75		P1	02H	-0.05			TEH	TEC
16	21	DSI	0.71	58		P1	01H	0.00			TEH	TEC
16	21	DSI	0.85	58		P1	02H	0.08			TEH	TEC
16	23	DSI	0.75	39		P1	01H	0.05			TEH	TEC
16	23	SAI	0.44	108		6	01H	0.03	0.42		01H	01H
16	24	DSI	0.93	47		P1	01H	0.03			TEH	TEC
16	24	DSI	0.29	33		P1	02H	0.05			TEH	TEC
16	24	MAI	0.37	94		6	01H	0.08	0.43		01H	01H
16	24	SAI	0.37	93		6	02H	0.03	0.45		02H	02H
16	28	DSI	0.76	90		P1	01H	-0.06			STH	TEC
16	33	DSI	0.43	153		P1	01H	0.23			STH	TEC
16	33	DSI	1.05	32		P1	02H	0.06			STH	TEC
16	33	MAI	0.52	111		2	02H	0.18	0.62		02H	02H
16	36	DSI	0.88	85		P1	02H	-0.06			STH	TEC
16	36	DSI	0.56	42		P1	03H	0.03			STH	TEC
16	36	SAI	0.41	92		2	03H	0.03	0.41		03H	03H
16	38	DSI	0.67	76		P1	01H	0.03			STH	TEC
16	39	PIU	0.78	20		P3	STH	-0.02			STH	STH
16	39	DSI	0.78	89		P1	01H	0.00			STH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
16	40	DSI	0.87	60		P1	01H	-0.06			STH	TEC
16	40	DSI	0.63	34		P1	02H	0.00			STH	TEC
16	40	SAI	0.34	108		2	02H	0.18	0.31		02H	02H
16	46	DSI	0.55	75		P1	01H	0.06			STH	TEC
16	53	DSI	0.25	46		P1	01H	0.06			TEH	TEC
16	53	SAI	0.20	111		6	TSH	0.09	0.17		TSH	TSH
16	56	DSI	0.68	50		P1	01H	-0.06			TEH	TEC
16	56	DSI	0.54	78		P1	02H	0.03			TEH	TEC
16	56	DSI	0.66	51		P1	03H	0.09			TEH	TEC
16	56	SAI	0.19	100		6	01H	0.02	0.18		01H	01H
16	56	SAI	0.23	108		6	03H	0.04	0.25		03H	03H
16	57	DSI	0.41	111		P1	01H	0.11			TEH	TEC
16	58	DSI	0.62	61		P1	01H	-0.03			TEH	TEC
16	58	DSI	0.46	125		P1	02H	-0.08			TEH	TEC
16	58	DSI	0.60	49		P1	03H	0.00			TEH	TEC
16	58	SAI	0.27	99		6	03H	-0.12	0.30		03H	03H
16	59	DSI	0.81	131		P1	01H	-0.05			TEH	TEC
16	59	DSI	0.70	106		P1	02H	0.28			TEH	TEC
16	59	DSI	0.94	108		P1	03H	0.00			TEH	TEC
16	59	DSI	0.23	85		P1	04H	0.00			TEH	TEC
16	60	DSI	0.96	65		P1	01H	0.03			TEH	TEC
16	64	DSI	0.43	128		P1	01H	-0.05			TEH	TEC
16	66	DSI	0.80	85		P1	01H	-0.15			TEH	TEC
16	67	DSI	0.46	45		P1	01H	0.05			TEH	TEC
16	67	DSI	0.44	64		P1	02H	-0.05			TEH	TEC
16	67	SAI	0.28	122		6	01H	0.17	0.34		01H	01H
16	69	DSI	0.46	38		P1	04H	0.03			TEH	TEC
16	78	DSI	1.18	49		P1	01H	0.03			TEH	TEC
16	78	SAI	0.64	81		6	01H	0.02	0.34		01H	01H
16	79	DSI	0.96	159		P1	01H	0.08			TEH	TEC
16	80	DSI	0.50	52		P1	01H	0.03			TEH	TEC
16	80	DSI	0.24	59		P1	06H	0.00			TEH	TEC
16	82	DSI	0.82	65		P1	01H	0.00			TEH	TEC
16	82	DSI	0.64	101		P1	02H	0.23			TEH	TEC
16	82	DSI	0.19	94		P1	06H	0.00			TEH	TEC
16	83	DSI	0.22	102		P1	01H	0.05			TEH	TEC
16	88	PCT	0.66	138	10	P1	01C	-0.23			TEH	TEC
16	88	DSI	0.63	36		P1	03H	0.08			TEH	TEC
16	89	PCT	0.28	141	11	P1	01C	-0.09			TEH	TEC
16	89	PCT	0.36	129	25	P1	02C	0.20			TEH	TEC
16	89	VOL	0.22	111		P2	01C	-0.04			01C	01C
16	89	VOL	0.35	86		6	02C	0.21			02C	02C
16	90	PCT	0.36	123	31	P1	02C	0.14			TEH	TEC
17	4	PCT	1.69	123	30	P1	01C	-0.11			TEH	TEC
17	6	DSI	0.70	73		P1	01H	0.00			TEH	TEC
17	7	DSI	0.83	99		P1	02H	-0.13			TEH	TEC
17	7	DSI	0.57	61		P1	03H	0.05			TEH	TEC
17	10	DSI	0.69	54		P1	01H	0.03			TEH	TEC
17	10	DSI	0.88	36		P1	02H	0.00			TEH	TEC
17	10	MAI	0.40	104		6	01H	-0.03	0.37		01H	02H
17	10	MAI	0.15	107		6	02H	-0.13	0.40		01H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
17	10	MAI	0.16	108		6	02H	0.00	0.16		02H	02H
17	13	DSI	1.09	67		P1	02H	0.03			TEH	TEC
17	14	DSI	1.11	56		P1	02H	-0.09			1SH	TEC
17	17	DSI	0.58	47		P1	02H	0.10			TEH	TEC
17	17	MAI	0.29	87		6	02H	-0.15	0.47		02H	02H
17	23	DSI	0.57	53		P1	01H	0.05			TEH	TEC
17	23	SAI	0.60	96		6	01H	0.06	0.43		01H	01H
17	24	DSI	0.72	82		P1	01H	0.03			TEH	TEC
17	24	DSI	0.56	61		P1	02H	0.03			TEH	TEC
17	28	DSI	0.67	43		P1	01H	0.00			STH	TEC
17	28	DSI	0.46	51		P1	02H	0.06			STH	TEC
17	28	SAI	0.57	281		2	01H	-0.04	0.31		01H	01H
17	28	SAI	0.56	110		2	02H	0.00	0.54		02H	02H
17	30	DSI	0.87	96		P1	01H	0.06			STH	TEC
17	30	DSI	0.80	128		P1	02H	-0.20			STH	TEC
17	38	DSI	0.56	120		P1	01H	0.20			STH	TEC
17	48	DSI	0.56	68		P1	02H	0.05			TEH	TEC
17	55	DSI	0.74	82		P1	01H	0.03			TEH	TEC
17	55	DSI	0.99	106		P1	02H	-0.06			TEH	TEC
17	56	DSI	0.85	110		P1	01H	0.11			TEH	TEC
17	56	DSI	0.87	99		P1	02H	0.00			TEH	TEC
17	56	DSI	0.42	58		P1	03H	0.03			TEH	TEC
17	58	DSI	0.44	82		P1	02H	-0.03			TEH	TEC
17	60	DSI	0.32	143		P1	03H	0.10			TEH	TEC
17	61	DSI	0.54	72		P1	02H	-0.05			TEH	TEC
17	62	DSI	0.58	69		P1	01H	0.03			TEH	TEC
17	64	DSI	0.45	49		P1	01H	0.00			TEH	TEC
17	64	SAI	0.41	109		6	01H	-0.02	0.20		01H	01H
17	66	DSI	1.42	116		P1	01H	-0.03			TEH	TEC
17	66	MAI	1.02	93		6	01H	-0.03	0.61		01H	01H
17	67	DSI	1.42	94		P1	02H	-0.08			TEH	TEC
17	67	SAI	0.72	94		6	02H	-0.08	0.67		02H	02H
17	68	DSI	0.64	132		P1	01H	0.16			TEH	TEC
17	68	DSI	0.58	37		P1	04H	0.03			TEH	TEC
17	69	DSI	0.56	117		P1	01H	-0.18			TEH	TEC
17	70	DSI	0.48	145		P1	01H	0.16			TEH	TEC
17	70	DSI	0.61	41		P1	02H	0.03			TEH	TEC
17	70	DSI	0.87	72		P1	03H	-0.10			TEH	TEC
17	70	SAI	0.32	103		6	02H	-0.09	0.36		02H	02H
17	71	DSI	0.72	37		P1	01H	-0.03			TEH	TEC
17	71	MAI	0.33	82		6	01H	-0.04	0.33		01H	01H
17	72	DSI	0.61	29		P1	03H	0.03			TEH	TEC
17	72	DSI	0.39	28		P1	04H	-0.03			TEH	TEC
17	73	DSI	1.10	64		P1	02H	-0.08			TEH	TEC
17	74	DSI	1.81	120		P1	01H	-0.08			TEH	TEC
17	74	DSI	0.64	47		P1	02H	0.00			TEH	TEC
17	74	DSI	0.41	142		P1	04H	-0.15			TEH	TEC
17	74	SAI	0.22	92		6	02H	-0.11	0.23		02H	02H
17	74	MAI	0.96	91		6	01H	-0.08	0.59		01H	01H
17	80	DSI	1.16	95		P1	01H	0.05			TEH	TEC
17	80	DSI	0.74	106		P1	02H	0.08			TEH	TEC

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17	80	DSI	0.20	88		P1	06H	0.08			TEH	TEC
17	80	MAI	1.10	81		6	01H	0.05	0.57		01H	01H
17	82	DSI	0.26	100		P1	01H	0.05			TEH	TEC
17	84	DSI	0.50	48		P1	02H	0.03			TEH	TEC
17	84	MAI	0.24	118		6	02H	-0.04	0.34		02H	02H
17	88	DSI	0.34	60		P1	02H	0.05			TEH	TEC
18	8	DSI	0.32	95		P1	01H	0.08			TEH	TEC
18	10	DSI	0.44	65		P1	02H	0.05			TEH	TEC
18	10	DSI	0.80	46		P1	03H	0.08			TEH	TEC
18	10	SAI	0.27	96		6	03H	-0.02	0.35		03H	03H
18	11	DSI	0.72	65		P1	01H	0.03			TEH	TEC
18	12	DSI	1.24	122		P1	01H	0.05			TEH	TEC
18	12	DSI	1.04	79		P1	02H	0.13			TEH	TEC
18	12	DSI	0.46	89		P1	03H	0.13			TEH	TEC
18	12	MAI	0.89	78		6	01H	0.02	0.47		01H	01H
18	19	DSI	0.67	49		P1	02H	0.00			TEH	TEC
18	19	SAI	0.28	103		6	02H	0.01	0.47		02H	02H
18	20	DSI	0.52	120		P1	01H	-0.03			TEH	TEC
18	21	DSI	1.09	126		P1	01H	-0.08			TEH	TEC
18	21	DSI	1.50	81		P1	02H	0.18			TEH	TEC
18	21	DSI	0.19	90		P1	07C	-0.08			TEH	TEC
18	21	MAI	0.61	85		6	02H	-0.07	0.59		02H	02H
18	23	DSI	0.69	107		P1	01H	0.08			TEH	TEC
18	23	DSI	0.44	69		P1	02H	0.08			TEH	TEC
18	23	DSI	0.58	31		P1	03H	0.05			TEH	TEC
18	23	SAI	0.26	104		6	03H	0.03	0.36		03H	03H
18	24	DSI	0.62	57		P1	01H	-0.03			TEH	TEC
18	33	DSI	0.94	85		P1	01H	0.06			STH	TEC
18	35	DSI	0.65	47		P1	02H	-0.05			TEH	TEC
18	35	SAI	0.21	86		6	02H	-0.12	0.28		02H	02H
18	37	DSI	0.67	58		P1	01H	-0.03			TEH	TEC
18	39	DSI	0.45	147		P1	01H	-0.20			STH	TEC
18	41	DSI	0.49	94		P1	01H	0.00			STH	TEC
18	48	DSI	1.59	97		P1	01H	0.05			TEH	TEC
18	48	DSI	1.15	114		P1	02H	-0.08			TEH	TEC
18	48	MAI	0.84	106		6	01H	0.06	0.50		01H	01H
18	48	SAI	0.57	95		6	02H	-0.12	0.48		02H	02H
18	49	DSI	0.42	123		P1	02H	0.03			TEH	TEC
18	49	PCT	0.70	0	13	P2	AV2	-0.31			TEH	TEC
18	50	DSI	0.74	68		P1	01H	0.03			TEH	TEC
18	51	DSI	0.42	66		P1	02H	0.10			TEH	TEC
18	53	DSI	1.00	100		P1	01H	0.28			TEH	TEC
18	53	DSI	1.00	117		P1	04H	-0.03			TEH	TEC
18	61	DSI	0.68	46		P1	01H	-0.03			TEH	TEC
18	61	SAI	0.65	92		6	01H	0.04	0.39		01H	01H
18	62	DSI	1.30	115		P1	01H	0.05			TEH	TEC
18	62	DSI	0.48	100		P1	03H	0.03			TEH	TEC
18	62	MAI	0.55	100		6	01H	0.00	0.40		01H	01H
18	63	DSI	1.43	98		P1	01H	0.13			TEH	TEC
18	63	DSI	0.61	38		P1	03H	-0.03			TEH	TEC
18	63	SAI	0.45	108		6	03H	0.00	0.34		03H	03H

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18	63	MAI	0.77	92		6	01H	0.13	0.55		01H	01H
18	65	DSI	0.82	61		P1	01H	0.03			TEH	TEC
18	65	DSI	0.98	39		P1	02H	0.08			TEH	TEC
18	65	PCT	1.90	37	24	P2	AV1	-0.43			TEH	TEC
18	65	SAI	0.32	107		6	02H	-0.01	0.34		02H	02H
18	65	WAR	0.49	136		2	AV1	-0.43			AV1	07H
18	70	DSI	0.50	99		P1	01H	0.18			TEH	TEC
18	71	DSI	0.25	89		P1	02H	0.05			TEH	TEC
18	74	DSI	0.67	92		P1	02H	0.08			TEH	TEC
18	75	DSI	0.36	17		P1	01H	0.13			TEH	TEC
18	75	SAI	0.15	98		6	01H	-0.03	0.22		01H	01H
18	79	DSI	0.37	57		P1	01H	0.03			TEH	TEC
18	83	DSI	0.48	98		P1	01H	0.13			TEH	TEC
18	85	DSI	0.54	34		P1	04H	0.00			TEH	TEC
18	85	SAI	0.29	91		6	04H	-0.04	0.29		04H	04H
18	88	PCT	0.26	126	28	P1	01C	-0.23			TEH	TEC
18	89	PCT	0.54	126	28	P1	02C	-0.11			TEH	TEC
18	90	DSI	0.59	30		P1	03H	0.00			TEH	TEC
19	10	PCT	0.48	146	3	P1	01C	-0.13			TEH	TEC
19	10	DSI	0.74	107		P1	01H	0.13			TEH	TEC
19	10	DSI	0.67	124		P1	02H	-0.24			TEH	TEC
19	10	DSI	0.80	146		P1	04H	0.16			TEH	TEC
19	11	DSI	0.66	124		P1	01H	-0.16			TEH	TEC
19	15	DSI	0.73	38		P1	01H	0.05			TEH	TEC
19	15	MAI	0.40	97		6	01H	-0.03	0.47		01H	01H
19	19	DSI	0.95	89		P1	01H	0.03			TEH	TEC
19	20	DSI	0.43	39		P1	01H	0.00			TEH	TEC
19	20	SAI	0.21	94		6	01H	-0.01	0.38		01H	01H
19	24	DSI	0.67	87		P1	01H	0.05			TEH	TEC
19	28	PIU	0.53	27		P3	STH	-2.11			STH	STH
19	28	PCT	1.56	0	21	P2	AV1	0.00			STH	TEC
19	28	PCT	1.08	0	16	P2	AV3	0.00			STH	TEC
19	28	PCT	1.46	0	20	P2	AV4	0.00			STH	TEC
19	29	DSI	0.57	46		P1	01H	0.08			TEH	TEC
19	29	SAI	0.42	97		6	01H	0.04	0.33		01H	01H
19	31	DSI	0.67	58		P1	02H	0.00			TEH	TEC
19	32	PTP	0.91	46		6	SBH	1.13			SBH	SBH
19	34	DSI	0.79	45		P1	01H	0.09			STH	TEC
19	38	DSI	0.67	89		P1	01H	0.00			STH	TEC
19	42	DSI	0.39	87		P1	01H	0.00			STH	TEC
19	44	DNI	1.20	125		5	AV4	11.67			TEH	TEC
19	47	DSI	1.18	88		P1	02H	-0.13			TEH	TEC
19	47	SAI	0.47	103		6	02H	-0.13	0.36		02H	02H
19	49	DSI	1.32	96		P1	01H	0.03			TEH	TEC
19	49	MAI	0.53	105		6	01H	0.03	0.50		01H	01H
19	53	DSI	0.81	32		P1	02H	0.08			TEH	TEC
19	53	SAI	0.36	102		6	02H	0.02	0.39		02H	02H
19	56	DSI	1.44	81		P1	01H	0.05			TEH	TEC
19	56	DSI	1.06	73		P1	02H	0.00			TEH	TEC
19	56	DSI	0.76	87		P1	03H	-0.03			TEH	TEC
19	56	MAI	0.58	88		6	01H	0.03	0.60		01H	01H

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19	58	DSI	0.97	80		P1	02H	-0.08			TEH	TEC
19	62	DSI	0.84	81		P1	01H	0.11			TEH	TEC
19	64	DSI	0.71	68		P1	01H	-0.03			TEH	TEC
19	69	DSI	0.37	48		P1	04H	0.00			TEH	TEC
19	76	DSI	0.63	51		P1	01H	0.08			TEH	TEC
19	76	SAI	0.35	100		6	01H	0.02	0.29		01H	01H
19	77	DSI	0.84	57		P1	02H	0.13			TEH	TEC
19	85	DSI	1.03	52		P1	01H	0.08			TEH	TEC
19	85	MAI	0.91	90		6	01H	0.00	0.45		01H	01H
19	86	DSI	0.80	132		P1	04H	0.23			TEH	TEC
19	87	DSI	0.75	67		P1	02H	0.18			TEH	TEC
19	87	DSI	0.71	33		P1	04H	0.00			TEH	TEC
19	87	MAI	0.18	94		6	04H	0.02	0.31		04H	04H
19	89	DSI	0.80	30		P1	02H	0.00			TEH	TEC
19	89	SAI	0.59	97		6	02H	0.00	0.46		02H	02H
19	90	PCT	0.38	147	1	P1	02C	0.17			TEH	TEC
20	6	PCT	0.41	133	19	P1	02C	0.23			TEH	TEC
20	7	DSI	1.06	121		P1	01H	0.06			TEH	TEC
20	8	DSI	0.50	41		P1	02H	-0.03			TEH	TEC
20	8	SAI	0.36	106		6	02H	-0.08	0.35		02H	02H
20	9	DSI	0.31	98		P1	01H	0.05			TEH	TEC
20	9	DSI	0.21	91		P1	02H	0.05			TEH	TEC
20	11	DSI	1.76	104		P1	01H	0.05			TEH	TEC
20	11	DSI	0.87	75		P1	03H	-0.24			TEH	TEC
20	11	MAI	0.69	104		6	01H	0.11	0.64		01H	01H
20	15	DSI	0.70	62		P1	01H	0.00			TEH	TEC
20	15	DSI	0.81	85		P1	02H	-0.10			TEH	TEC
20	21	DSI	0.65	114		P1	01H	-0.08			TEH	TEC
20	23	DSI	0.51	93		P1	02H	0.03			TEH	TEC
20	25	DSI	1.57	90		P1	01H	0.00			TEH	TEC
20	25	DSI	0.95	82		P1	02H	0.03			TEH	TEC
20	25	DSI	0.27	99		P1	03H	0.03			TEH	TEC
20	25	MAI	0.94	93		6	01H	-0.13	0.46		01H	01H
20	27	DSI	0.52	67		P1	01H	-0.05			TEH	TEC
20	30	DSI	0.52	106		P1	01H	0.10			TEH	TEC
20	30	DSI	0.56	45		P1	02H	0.08			TEH	TEC
20	30	SAI	0.52	101		6	02H	0.05	0.50		02H	02H
20	31	DSI	0.86	89		P1	01H	-0.03			TEH	TEC
20	35	DSI	0.55	69		P1	01H	-0.03			TEH	TEC
20	37	DSI	0.56	62		P1	01H	0.03			TEH	TEC
20	37	DSI	0.72	78		P1	02H	0.05			TEH	TEC
20	44	DSI	0.49	41		P1	02H	0.00			TEH	TEC
20	44	SAI	0.43	94		6	02H	-0.02	0.44		02H	02H
20	47	DSI	0.48	64		P1	01H	0.10			TEH	TEC
20	47	DSI	0.43	44		P1	02H	0.10			TEH	TEC
20	47	SAI	0.23	96		6	02H	0.02	0.29		02H	02H
20	48	DSI	0.89	81		P1	01H	0.03			TEH	TEC
20	48	DSI	0.70	41		P1	02H	0.08			TEH	TEC
20	48	MAI	0.43	96		6	01H	-0.04	0.41		01H	02H
20	48	MAI	0.37	110		6	02H	-0.07	0.34		01H	02H
20	48	MAI	0.41	101		6	01H	0.00	0.41		01H	02H

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20	48	MAI	0.37	112		6	02H	-0.04	0.58		01H	02H
20	49	DSI	1.54	95		P1	01H	0.00			TEH	TEC
20	49	DSI	0.56	121		P1	02H	-0.15			TEH	TEC
20	49	MAI	0.49	99		6	01H	0.00	0.61		01H	01H
20	51	DSI	0.99	90		P1	01H	0.03			TEH	TEC
20	52	DSI	0.27	47		P1	01H	0.10			TEH	TEC
20	52	DSI	0.67	27		P1	03H	0.00			TEH	TEC
20	54	DSI	0.56	28		P1	02H	0.03			TEH	TEC
20	54	MAI	0.28	111		6	02H	0.00	0.43		02H	02H
20	57	DSI	0.76	86		P1	01H	0.05			TEH	TEC
20	57	SAI	0.47	104		6	01H	0.03	0.44		TSH	01H
20	59	DSI	0.18	128		P1	01H	0.10			TEH	TEC
20	64	PCT	0.65	16	11	P2	AV2	0.41			TEH	TEC
20	64	PCT	1.20	57	18	P2	AV2	-0.41			TEH	TEC
20	64	PCT	0.98	27	16	P2	AV4	0.00			TEH	TEC
20	66	DSI	0.40	58		P1	02H	0.00			TEH	TEC
20	69	DSI	0.95	90		P1	02H	0.05			TEH	TEC
20	69	DSI	0.63	132		P1	05H	0.03			TEH	TEC
20	77	DSI	0.33	66		P1	01H	0.00			TEH	TEC
20	78	DSI	0.30	55		P1	01H	0.00			TEH	TEC
20	78	SAI	0.23	88		6	01H	0.03	0.29		01H	01H
20	81	DSI	0.33	28		P1	05H	0.00			TEH	TEC
20	82	DSI	0.44	60		P1	01H	0.03			TEH	TEC
20	85	DSI	0.74	48		P1	01H	0.00			TEH	TEC
20	85	MAI	0.43	83		6	01H	-0.09	0.34		01H	01H
20	87	PCT	0.41	148	2	P1	02C	-0.20			TEH	TEC
20	87	DSI	0.56	73		P1	02H	0.11			TEH	TEC
20	89	PCT	1.00	147	3	P1	01C	-0.20			TEH	TEC
21	6	PCT	1.19	145	7	P1	01C	-0.11			TEH	TEC
21	9	PCT	0.44	142	7	P1	01C	-0.08			TEH	TEC
21	9	DSI	0.47	78		P1	01H	0.03			TEH	TEC
21	11	DSI	0.50	60		P1	01H	0.00			TEH	TEC
21	12	DSI	0.72	72		P1	01H	0.08			TEH	TEC
21	13	DSI	0.92	96		P1	02H	-0.08			TEH	TEC
21	14	DSI	1.14	46		P1	02H	0.05			TEH	TEC
21	14	MAI	0.53	96		6	02H	0.14	0.42		02H	02H
21	17	DSI	0.73	136		P1	01H	-0.16			TEH	TEC
21	18	DSI	0.89	102		P1	01H	0.03			TEH	TEC
21	18	DSI	0.84	67		P1	02H	-0.10			TEH	TEC
21	19	DSI	0.70	57		P1	02H	-0.08			TEH	TEC
21	20	DSI	1.11	104		P1	01H	0.03			TEH	TEC
21	21	DSI	1.16	55		P1	01H	0.00			TEH	TEC
21	21	DSI	0.65	38		P1	02H	0.00			TEH	TEC
21	21	DSI	0.26	31		P1	03H	0.08			TEH	TEC
21	21	MAI	0.40	99		6	01H	-0.06	0.60		01H	01H
21	21	MAI	0.10	116		6	02H	0.01	0.36		02H	02H
21	22	DSI	1.03	45		P1	01H	-0.05			TEH	TEC
21	22	DSI	1.08	26		P1	02H	0.00			TEH	TEC
21	22	MAI	0.30	102		6	01H	-0.03	0.48		01H	01H
21	22	MAI	0.19	92		6	02H	0.00	0.45		02H	02H
21	24	DSI	0.97	45		P1	01H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
21	24	MAI	0.30	96		6	01H	-0.09	0.26		01H	01H
21	25	DSI	1.10	78		P1	01H	0.00			TEH	TEC
21	25	DSI	0.56	53		P1	02H	0.00			TEH	TEC
21	25	DSI	0.27	85		P1	05H	0.00			TEH	TEC
21	25	SAI	0.37	99		6	02H	-0.05	0.31		02H	02H
21	26	DSI	0.65	91		P1	01H	0.03			TEH	TEC
21	29	DSI	0.90	73		P1	01H	0.00			TEH	TEC
21	29	DSI	0.54	69		P1	02H	0.05			TEH	TEC
21	30	DSI	0.64	30		P1	01H	0.08			TEH	TEC
21	30	SAI	0.14	106		6	01H	0.02	0.24		01H	01H
21	33	DSI	0.68	51		P1	01H	0.08			TEH	TEC
21	33	DSI	0.93	48		P1	02H	0.00			TEH	TEC
21	33	MAI	0.37	92		6	01H	-0.05	0.40		01H	01H
21	33	MAI	0.71	95		6	02H	0.00	0.54		02H	02H
21	34	DSI	1.06	62		P1	01H	0.05			TEH	TEC
21	34	DSI	1.05	103		P1	02H	0.11			TEH	TEC
21	37	DSI	0.43	62		P1	01H	0.08			TEH	TEC
21	37	DSI	0.40	82		P1	02H	-0.08			TEH	TEC
21	39	DSI	1.22	90		P1	01H	0.05			TEH	TEC
21	39	MAI	0.50	96		6	01H	0.05	0.65		01H	01H
21	40	DSI	0.77	60		P1	01H	0.05			TEH	TEC
21	40	DSI	0.50	92		P1	02H	0.00			TEH	TEC
21	40	DSI	0.35	46		P1	03H	0.08			TEH	TEC
21	40	SAI	0.25	111		6	03H	0.03	0.31		03H	03H
21	42	DSI	0.36	42		P1	01H	0.08			TEH	TEC
21	46	DSI	0.73	85		P1	01H	0.00			TEH	TEC
21	47	DSI	0.62	96		P1	01H	-0.03			TEH	TEC
21	47	DSI	0.90	41		P1	02H	0.00			TEH	TEC
21	47	MAI	0.34	102		6	02H	-0.03	0.46		02H	02H
21	48	DSI	0.47	61		P1	02H	0.03			TEH	TEC
21	49	DSI	0.99	81		P1	01H	0.05			TEH	TEC
21	49	DSI	0.64	61		P1	02H	0.03			TEH	TEC
21	51	DSI	0.37	39		P1	01H	-0.03			TEH	TEC
21	51	DSI	0.90	75		P1	02H	0.03			TEH	TEC
21	51	DSI	0.92	70		P1	03H	0.05			TEH	TEC
21	51	SAI	0.23	105		6	01H	0.14	0.12		01H	01H
21	53	DSI	0.57	107		P1	01H	0.05			TEH	TEC
21	53	DSI	0.88	58		P1	02H	-0.13			TEH	TEC
21	53	DSI	0.53	36		P1	03H	-0.13			TEH	TEC
21	55	DSI	0.69	105		P1	01H	-0.05			TEH	TEC
21	56	DSI	0.37	74		P1	01H	0.05			TEH	TEC
21	56	DSI	0.39	49		P1	03H	0.08			TEH	TEC
21	56	SAI	0.21	117		6	03H	0.00	0.23		03H	03H
21	57	DSI	0.33	78		P1	01H	-0.03			TEH	TEC
21	57	DSI	0.66	48		P1	02H	-0.08			TEH	TEC
21	57	DSI	0.25	67		P1	03H	-0.03			TEH	TEC
21	57	DSI	0.72	132		P1	04H	-0.05			TEH	TEC
21	57	SAI	0.32	105		6	02H	0.08	0.39		02H	02H
21	58	DSI	0.72	61		P1	01H	0.05			TEH	TEC
21	58	DSI	0.85	47		P1	02H	0.00			TEH	TEC
21	58	SAI	0.43	111		6	02H	-0.07	0.39		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
21	62	DSI	0.47	32		P1	01H	0.05			TEH	TEC
21	62	DSI	0.51	32		P1	03H	0.03			TEH	TEC
21	62	SAI	0.17	111		6	01H	0.00	0.18		01H	01H
21	62	SAI	0.21	112		6	03H	-0.15	0.25		03H	03H
21	66	DSI	0.59	46		P1	01H	0.03			TEH	TEC
21	66	MAI	0.31	96		6	01H	0.04	0.36		01H	01H
21	67	DSI	0.39	26		P1	01H	0.00			TEH	TEC
21	70	DSI	0.72	38		P1	01H	0.08			TEH	TEC
21	70	SAI	0.37	96		6	01H	-0.01	0.36		01H	01H
21	79	DNI	1.32	86		5	06H	6.50			TEH	TEC
21	80	DSI	0.25	152		P1	01H	-0.13			TEH	TEC
21	83	DSI	0.86	71		P1	01H	0.13			TEH	TEC
21	83	DSI	0.78	40		P1	02H	0.00			TEH	TEC
21	83	DSI	0.79	32		P1	03H	0.10			TEH	TEC
21	83	SAI	0.22	106		6	03H	0.05	0.25		03H	03H
21	87	PCT	1.71	124	31	P1	02C	-0.17			TEH	TEC
22	10	DSI	0.73	84		P1	01H	0.11			TEH	TEC
22	11	DSI	0.47	107		P1	01H	-0.08			TEH	TEC
22	11	DSI	0.60	76		P1	02H	0.11			TEH	TEC
22	15	DSI	1.85	88		P1	01H	0.08			TEH	TEC
22	15	MAI	0.65	98		6	01H	-0.07	0.51		01H	01H
22	17	DSI	0.68	39		P1	01H	0.05			TEH	TEC
22	17	SAI	0.46	91		6	01H	0.02	0.26		01H	01H
22	19	DSI	1.04	54		P1	02H	-0.03			TEH	TEC
22	19	DSI	0.86	39		P1	03H	0.10			TEH	TEC
22	19	MAI	0.28	76		6	02H	0.02	0.31		02H	02H
22	19	MAI	0.25	82		6	03H	-0.02	0.42		03H	03H
22	20	DSI	0.97	86		P1	01H	0.08			TEH	TEC
22	20	DSI	0.78	53		P1	03H	0.05			TEH	TEC
22	20	SAI	0.38	97		6	03H	-0.08	0.40		03H	03H
22	22	DSI	0.89	98		P1	01H	-0.03			TEH	TEC
22	22	DSI	0.87	42		P1	02H	-0.05			TEH	TEC
22	22	SAI	0.80	89		6	02H	-0.10	0.28		02H	02H
22	23	DSI	1.31	74		P1	01H	0.00			TEH	TEC
22	23	DSI	0.82	73		P1	02H	0.03			TEH	TEC
22	23	DSI	0.61	32		P1	03H	0.00			TEH	TEC
22	23	SAI	0.24	97		6	03H	0.19	0.35		03H	03H
22	23	MAI	0.43	106		6	01H	-0.01	0.65		01H	01H
22	28	DSI	0.51	43		P1	01H	0.03			TEH	TEC
22	28	MAI	0.39	96		6	01H	0.01	0.49		01H	01H
22	29	DSI	0.62	70		P1	02H	0.03			TEH	TEC
22	39	DSI	0.54	74		P1	02H	0.08			TEH	TEC
22	40	DSI	0.97	113		P1	01H	0.05			TEH	TEC
22	41	DSI	0.50	84		P1	01H	0.03			TEH	TEC
22	42	DSI	1.16	68		P1	01H	0.10			TEH	TEC
22	42	SAI	0.77	80		6	01H	0.07	0.38		01H	01H
22	47	DSI	0.89	48		P1	01H	0.03			TEH	TEC
22	47	DSI	0.93	50		P1	02H	0.10			TEH	TEC
22	47	SAI	0.74	98		6	01H	0.17	0.62		01H	01H
22	47	SAI	0.68	89		6	02H	0.00	0.62		02H	02H
22	50	DSI	0.50	60		P1	01H	0.10			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
22	50	DSI	0.44	65		P1	02H	0.05			TEH	TEC
22	54	DSI	0.66	121		P1	01H	-0.08			TEH	TEC
22	54	DSI	0.88	76		P1	02H	0.05			TEH	TEC
22	57	DSI	0.46	35		P1	01H	0.08			TEH	TEC
22	57	SAI	0.31	101		6	01H	-0.02	0.30		01H	01H
22	58	DSI	0.61	19		P1	01H	-0.03			TEH	TEC
22	59	DSI	0.69	54		P1	01H	0.00			TEH	TEC
22	59	MAI	0.55	100		6	01H	0.00	0.36		01H	01H
22	60	DSI	0.65	99		P1	02H	0.18			TEH	TEC
22	62	DSI	0.57	51		P1	02H	0.00			TEH	TEC
22	62	SAI	0.46	97		6	02H	-0.08	0.23		02H	02H
22	69	DSI	0.36	58		P1	03H	0.05			TEH	TEC
22	70	DSI	0.92	48		P1	02H	0.05			TEH	TEC
22	70	SAI	0.32	100		6	02H	-0.01	0.36		02H	02H
22	72	DSI	0.32	60		P1	01H	-0.03			TEH	TEC
22	72	DSI	0.62	103		P1	02H	-0.03			TEH	TEC
22	73	DSI	0.55	19		P1	03H	0.00			TEH	TEC
22	75	DSI	0.97	97		P1	01H	0.03			TEH	TEC
22	75	DSI	1.09	106		P1	02H	0.13			TEH	TEC
22	83	DSI	0.85	68		P1	02H	0.18			TEH	TEC
22	84	DSI	0.44	38		P1	01H	0.08			TEH	TEC
22	84	SAI	0.54	87		6	01H	0.00	0.34		01H	01H
22	85	PCT	0.60	139	11	P1	01C	-0.21			TEH	TEC
22	85	DSI	0.57	68		P1	03H	0.00			TEH	TEC
22	86	PCT	0.89	145	6	P1	01C	-0.14			TEH	TEC
22	86	PCT	0.54	142	10	P1	02C	-0.03			TEH	TEC
23	9	PCT	0.54	131	20	P1	01C	-0.09			TEH	TEC
23	24	DSI	0.27	167		P1	03H	0.10			TEH	TEC
23	29	DSI	0.25	43		P1	01H	0.10			TEH	TEC
23	32	DSI	1.13	41		P1	01H	-0.08			TEH	TEC
23	32	SAI	0.37	101		6	01H	0.01	0.31		01H	01H
23	38	DSI	0.54	136		P1	03H	0.21			TEH	TEC
23	42	DSI	0.73	35		P1	03H	0.05			TEH	TEC
23	43	DSI	0.49	38		P1	02H	0.08			TEH	TEC
23	47	DSI	0.33	46		P1	04H	0.03			TEH	TEC
23	49	DSI	0.65	50		P1	01H	0.05			TEH	TEC
23	49	DSI	0.29	100		P1	04H	0.08			TEH	TEC
23	51	DSI	0.91	63		P1	02H	-0.08			TEH	TEC
23	52	DSI	0.91	61		P1	01H	0.03			TEH	TEC
23	52	DSI	0.44	54		P1	04H	0.11			TEH	TEC
23	55	PCT	1.11	129	19	P2	AV3	-0.19			TEH	TEC
23	55	PCT	1.79	129	25	P2	AV4	0.05			TEH	TEC
23	64	DSI	1.19	26		P1	01H	0.05			TEH	TEC
23	65	DSI	0.42	123		P1	02H	-0.21			TEH	TEC
23	66	DSI	0.29	99		P1	07H	0.08			TEH	TEC
23	69	DSI	0.95	36		P1	02H	0.00			TEH	TEC
23	73	DSI	1.61	33		P1	02H	0.05			TEH	TEC
23	73	SAI	0.30	88		6	02H	0.01	0.22		02H	02H
23	85	PCT	0.41	138	14	P1	01C	-0.21			TEH	TEC
23	85	VOL	0.30	89		P2	01C	-0.06			01C	01C
23	86	PCT	0.87	138	14	P1	01C	-0.09			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
23	86	PCT	0.67	124	30	P1	02C	-0.11			TEH	TEC
23	88	PCT	1.58	123	32	P1	01C	-0.09			TEH	TEC
24	11	DSI	1.06	29		P1	01H	-0.03			TEH	TEC
24	11	SAI	0.15	116		6	01H	-0.23	0.19		01H	01H
24	13	DSI	0.31	104		P1	01H	0.10			TEH	TEC
24	13	DSI	0.76	46		P1	03H	0.00			TEH	TEC
24	13	SAI	0.11	79		6	03H	0.00	0.24		03H	03H
24	14	DSI	0.82	108		P1	01H	0.16			TEH	TEC
24	14	DSI	0.76	65		P1	02H	-0.03			TEH	TEC
24	16	DSI	1.05	82		P1	01H	0.05			TEH	TEC
24	16	DSI	0.67	116		P1	02H	-0.05			TEH	TEC
24	32	DSI	0.14	41		P1	03H	0.16			TEH	TEC
24	33	DSI	0.53	63		P1	02H	0.08			TEH	TEC
24	36	DSI	0.81	135		P1	01H	0.21			TEH	TEC
24	37	DSI	0.63	40		P1	02H	0.10			TEH	TEC
24	38	DSI	0.86	53		P1	01H	0.08			TEH	TEC
24	38	DSI	0.49	83		P1	02H	0.03			TEH	TEC
24	38	DSI	0.40	44		P1	03H	-0.05			TEH	TEC
24	38	MAI	0.43	105		6	01H	0.03	0.26		01H	01H
24	41	DSI	0.82	83		P1	01H	0.03			TEH	TEC
24	43	DSI	1.06	99		P1	01H	-0.13			TEH	TEC
24	45	DSI	0.35	53		P1	01H	0.05			TEH	TEC
24	45	DSI	0.28	76		P1	02H	0.03			TEH	TEC
24	49	DSI	1.07	78		P1	02H	-0.13			TEH	TEC
24	50	DSI	0.66	92		P1	01H	-0.05			TEH	TEC
24	51	DSI	0.42	82		P1	02H	0.10			TEH	TEC
24	52	DSI	0.65	73		P1	02H	0.13			TEH	TEC
24	53	DSI	0.34	72		P1	01H	0.10			TEH	TEC
24	53	DSI	1.18	74		P1	02H	-0.18			TEH	TEC
24	54	DSI	0.61	28		P1	01H	0.08			TEH	TEC
24	55	DSI	0.83	144		P1	01H	0.03			TEH	TEC
24	55	DSI	0.95	84		P1	02H	-0.10			TEH	TEC
24	56	DSI	0.55	93		P1	01H	0.08			TEH	TEC
24	56	DSI	0.78	61		P1	02H	0.10			TEH	TEC
24	58	DSI	1.14	81		P1	01H	-0.10			TEH	TEC
24	58	DSI	0.90	35		P1	02H	-0.05			TEH	TEC
24	60	DSI	0.69	45		P1	01H	0.08			TEH	TEC
24	60	DSI	0.54	68		P1	02H	0.08			TEH	TEC
24	60	DSI	0.69	44		P1	03H	0.08			TEH	TEC
24	60	DSI	0.98	68		P1	04H	0.18			TEH	TEC
24	61	DSI	0.58	87		P1	02H	-0.03			TEH	TEC
24	84	DSI	0.48	52		P1	01H	0.05			TEH	TEC
24	84	SAI	0.21	121		6	01H	0.03	0.40		01H	01H
24	86	PCT	1.06	123	31	P1	01C	-0.06			TEH	TEC
24	87	PCT	0.98	137	16	P1	01C	0.03			TEH	TEC
24	87	PCT	0.30	133	20	P1	02C	-0.11			TEH	TEC
25	10	PCT	0.68	140	9	P1	01C	-0.14			TEH	TEC
25	10	PCT	0.76	119	36	P1	02C	0.12			TEH	TEC
25	10	VOL	0.55	94		P2	01C	-0.11			01C	01C
25	10	VOL	0.47	115		P2	02C	0.18			02C	02C
25	16	DSI	0.77	55		P1	01H	0.11			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
25	16	MAI	0.24	85		6	01H	0.10	0.28		01H	01H
25	20	DSI	1.08	42		P1	02H	0.00			TEH	TEC
25	21	DSI	1.30	61		P1	01H	0.08			TEH	TEC
25	21	DSI	1.14	49		P1	02H	0.00			TEH	TEC
25	21	SAI	0.26	76		6	02H	-0.08	0.38		02H	02H
25	21	MAI	0.89	79		6	01H	0.04	0.44		01H	01H
25	22	DSI	1.33	65		P1	01H	0.03			TEH	TEC
25	22	MAI	0.67	96		6	01H	-0.07	0.38		01H	01H
25	26	DSI	0.88	53		P1	01H	0.03			TEH	TEC
25	26	SAI	0.30	97		6	01H	-0.11	0.36		01H	01H
25	68	DSI	0.47	56		P1	03H	-0.03			TEH	TEC
25	71	DSI	0.25	119		P1	02H	0.03			TEH	TEC
25	74	DSI	0.54	37		P1	03H	0.10			TEH	TEC
25	74	DSI	0.34	61		P1	04H	0.08			TEH	TEC
25	84	PCT	0.67	121	33	P1	01C	-0.20			TEH	TEC
25	84	PCT	0.30	137	16	P1	02C	-0.14			TEH	TEC
25	84	VOL	0.34	98		P2	01C	-0.30			01C	01C
25	84	VOL	0.29	104		P2	02C	-0.12			02C	02C
26	20	DSI	0.36	51		P1	01H	0.16			TEH	TEC
26	20	SAI	0.53	75		6	01H	-0.01	0.38		01H	01H
26	28	DSI	0.77	31		P1	01H	0.03			TEH	TEC
26	28	SAI	0.16	59		6	01H	-0.06	0.26		01H	01H
26	51	DSI	0.25	63		P1	03H	0.05			TEH	TEC
26	85	PCT	1.14	129	25	P1	02C	-0.17			TEH	TEC
27	13	PCT	0.49	132	19	P1	01C	-0.10			TEH	TEC
27	13	VOL	0.34	105		6	01C	-0.08			01C	01C
27	17	DSI	0.87	60		P1	01H	0.13			TEH	TEC
27	18	DSI	0.27	59		P1	02H	0.03			TEH	TEC
27	18	DSI	0.76	77		P1	03H	0.03			TEH	TEC
27	19	DSI	0.33	70		P1	02H	0.05			TEH	TEC
27	19	DSI	0.55	89		P1	03H	0.00			TEH	TEC
27	20	DSI	0.82	49		P1	01H	0.03			TEH	TEC
27	20	SAI	0.17	100		6	01H	0.01	0.36		01H	01H
27	21	DSI	0.62	73		P1	02H	0.00			TEH	TEC
27	47	DSI	0.28	34		P1	01H	0.05			TEH	TEC
27	47	DSI	0.68	27		P1	02H	-0.05			TEH	TEC
27	47	MAI	0.21	114		6	01H	-0.06	0.57		01H	01H
27	47	MAI	0.18	73		6	02H	0.13	0.33		02H	02H
27	48	DSI	0.26	97		P1	02H	-0.13			TEH	TEC
27	58	DSI	0.80	34		P1	02H	0.00			TEH	TEC
27	58	DSI	0.28	43		P1	03H	0.00			TEH	TEC
27	62	DSI	0.56	52		P1	01H	0.10			TEH	TEC
27	62	SAI	0.78	83		6	01H	0.09	0.29		01H	01H
27	75	DSI	1.00	40		P1	01H	-0.18			TEH	TEC
27	75	DSI	0.63	50		P1	02H	0.03			TEH	TEC
27	79	DSI	0.60	119		P1	01H	-0.21			TEH	TEC
27	80	DSI	0.49	140		P1	01H	-0.10			TEH	TEC
27	80	DSI	0.58	69		P1	02H	0.05			TEH	TEC
27	84	PCT	1.04	131	23	P1	01C	-0.11			TEH	TEC
27	85	PCT	1.04	130	24	P1	01C	-0.12			TEH	TEC
28	11	DSI	0.25	113		P1	02H	0.29			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
28	12	PCT	0.33	141	8	P1	01C	-0.12			TEH	TEC
28	12	DSI	0.58	148		P1	01H	0.29			TEH	TEC
28	19	SCI	0.13	100		P2	TSH	0.12		34	TSH	TSH
28	26	DSI	0.41	35		P1	02H	0.00			TEH	TEC
28	26	SAI	0.21	76		6	02H	-0.13	0.38		02H	02H
28	51	SAI	0.29	82		6	TSH	0.09	0.15		TSH	TSH
28	60	DSI	0.24	149		P1	07C	0.03			TEH	TEC
28	67	DSI	0.17	127		P1	02H	-0.05			TEH	TEC
28	67	DSI	0.78	40		P1	04H	0.03			TEH	TEC
28	67	DSI	0.31	45		P1	06H	0.08			TEH	TEC
28	82	PCT	0.82	126	28	P1	01C	0.00			TEH	TEC
28	83	PCT	0.89	160	0	P1	01C	0.03			TEH	TEC
28	84	PCT	0.43	135	18	P1	01C	-0.20			TEH	TEC
28	84	PCT	0.74	137	15	P1	02C	-0.14			TEH	TEC
28	85	PCT	0.71	140	14	P1	01C	-0.14			TEH	TEC
29	12	PCT	1.58	131	20	P1	01C	-0.20			TEH	TEC
29	12	DSI	0.70	140		P1	01H	0.26			TEH	TEC
29	14	PCT	1.86	123	29	P1	01C	-0.14			TEH	TEC
29	14	VOL	0.89	92		6	01C	-0.03			01C	01C
29	16	DSI	0.54	34		P1	01H	-0.03			TEH	TEC
29	49	DSI	1.06	23		P1	02H	0.00			TEH	TEC
29	63	DSI	0.26	34		P1	06H	0.00			TEH	TEC
29	84	PCT	3.03	124	31	P1	01C	-0.14			TEH	TEC
29	84	PCT	0.55	135	18	P1	02C	0.00			TEH	TEC
30	12	PCT	0.61	146	5	P1	01C	-0.14			TEH	TEC
30	14	PCT	1.79	125	27	P1	01C	-0.12			TEH	TEC
30	16	PCT	0.40	133	18	P1	01C	-0.14			TEH	TEC
30	17	PCT	0.82	148	0	P1	01C	-0.17			TEH	TEC
30	35	DSI	0.57	40		P1	02H	0.05			TEH	TEC
30	64	DSI	0.36	101		P1	07H	0.08			TEH	TEC
30	68	DSI	0.27	61		P1	01H	0.08			TEH	TEC
30	74	DSI	0.34	51		P1	01H	0.03			TEH	TEC
30	74	DSI	0.24	74		P1	04H	0.03			TEH	TEC
30	77	DSI	0.25	64		P1	01H	0.03			TEH	TEC
30	79	PCT	0.58	130	24	P1	02C	-0.09			TEH	TEC
30	80	PCT	0.76	139	13	P1	01C	-0.11			TEH	TEC
30	81	PCT	1.75	117	39	P1	01C	-0.03			TEH	TEC
30	81	PCT	0.72	146	5	P1	02C	-0.06			TEH	TEC
30	82	PCT	1.36	134	19	P1	01C	-0.09			TEH	TEC
30	82	PCT	0.56	157	0	P1	02C	-0.11			TEH	TEC
30	83	PCT	1.18	120	34	P1	01C	-0.06			TEH	TEC
31	13	DSI	0.32	78		P1	01H	0.32			TEH	TEC
31	17	PCT	1.39	138	11	P1	01C	-0.17			TEH	TEC
31	22	DSI	0.75	51		P1	02H	0.10			TEH	TEC
31	24	DSI	0.70	42		P1	02H	0.03			TEH	TEC
31	24	DSI	0.66	19		P1	03H	0.03			TEH	TEC
31	24	DSI	0.17	75		P1	04H	0.08			TEH	TEC
31	24	MAI	0.29	101		6	02H	-0.01	0.45		02H	03H
31	26	SCI	0.11	112		P2	TSH	0.10		26	TSH	TSH
31	34	DSI	1.72	126		P1	01H	0.16			TEH	TEC
31	34	DSI	0.31	32		P1	02H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
31	34	SAI	0.26	110		6	02H	0.03	0.22		02H	02H
31	34	MAI	0.73	95		6	01H	0.04	0.53		01H	01H
31	36	DSI	0.79	101		P1	01H	0.16			TEH	TEC
31	36	DSI	0.49	113		P1	02H	-0.05			TEH	TEC
31	37	DSI	0.43	86		P1	01H	0.08			TEH	TEC
31	37	DSI	0.30	163		P1	02H	0.03			TEH	TEC
31	37	DSI	0.45	29		P1	03H	0.03			TEH	TEC
31	37	SAI	0.19	98		6	03H	-0.08	0.20		03H	03H
31	38	DSI	1.01	113		P1	01H	0.10			TEH	TEC
31	38	DSI	0.72	119		P1	02H	-0.03			TEH	TEC
31	40	DSI	0.64	86		P1	02H	-0.03			TEH	TEC
31	43	DSI	0.78	72		P1	02H	0.05			TEH	TEC
31	43	DSI	0.41	71		P1	03H	0.03			TEH	TEC
31	47	DSI	0.31	131		P1	01H	0.13			TEH	TEC
31	47	DSI	0.42	38		P1	02H	0.08			TEH	TEC
31	47	DSI	0.50	117		P1	03H	0.08			TEH	TEC
31	47	SAI	0.22	83		6	02H	0.05	0.40		02H	02H
31	49	DSI	0.57	67		P1	02H	-0.05			TEH	TEC
31	62	DSI	0.50	55		P1	02H	0.00			TEH	TEC
31	62	DSI	0.47	54		P1	03H	0.05			TEH	TEC
31	62	SAI	0.19	100		6	02H	-0.01	0.27		02H	02H
31	62	SAI	0.19	94		6	03H	0.00	0.30		03H	03H
31	64	DSI	0.54	37		P1	01H	0.05			TEH	TEC
31	64	SAI	0.24	105		6	01H	-0.04	0.25		01H	01H
31	65	DSI	0.99	31		P1	02H	0.05			TEH	TEC
31	65	DSI	0.25	38		P1	03H	0.05			TEH	TEC
31	66	DSI	0.53	78		P1	01H	0.05			TEH	TEC
31	66	DSI	0.92	104		P1	02H	0.00			TEH	TEC
31	67	DSI	0.50	29		P1	02H	0.08			TEH	TEC
31	67	SAI	0.24	104		6	02H	-0.09	0.13		02H	02H
31	68	DSI	0.50	142		P1	01H	0.18			TEH	TEC
31	68	DSI	0.58	113		P1	02H	0.00			TEH	TEC
31	69	DSI	0.51	127		P1	02H	-0.13			TEH	TEC
31	69	DSI	0.31	126		P1	06H	-0.03			TEH	TEC
31	78	PCT	1.33	117	37	P1	02C	-0.11			TEH	TEC
32	36	DSI	0.21	48		P1	02H	0.05			TEH	TEC
32	37	DSI	0.52	120		P1	01H	-0.08			TEH	TEC
32	38	DSI	0.90	90		P1	02H	-0.10			TEH	TEC
32	40	DSI	0.79	82		P1	02H	-0.13			TEH	TEC
32	46	PCT	4.82	0	37	P2	AV2	0.00			TEH	TEC
32	46	PCT	5.48	0	39	P2	AV3	0.21			TEH	TEC
32	46	PCT	1.49	0	21	P2	AV4	0.85			TEH	TEC
32	66	DSI	0.52	98		P1	02H	-0.08			TEH	TEC
32	69	DSI	0.46	119		P1	01H	0.05			TEH	TEC
32	69	DSI	0.78	42		P1	02H	0.05			TEH	TEC
32	71	DSI	0.34	85		P1	01H	0.13			TEH	TEC
32	72	DSI	0.19	79		P1	01H	0.13			TEH	TEC
32	72	DSI	0.49	86		P1	04H	0.13			TEH	TEC
32	75	DSI	1.08	58		P1	01H	0.03			TEH	TEC
32	75	DSI	0.44	32		P1	03H	0.03			TEH	TEC
32	76	PCT	0.41	144	2	P1	02C	-0.10			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
32	77	PCT	0.82	0	13	P2	AV2	0.05			TEH	TEC
32	78	PCT	1.81	124	30	P1	01C	-0.12			TEH	TEC
32	78	DSI	0.75	69		P1	01H	-0.17			TEH	TEC
32	78	PCT	1.27	139	13	P1	02C	0.00			TEH	TEC
32	78	DSI	0.94	74		P1	03H	-0.11			TEH	TEC
32	78	VOL	0.64	112		P2	01C	-0.03			01C	01C
32	78	VOL	0.54	109		P2	02C	-0.03			02C	02C
33	25	PCT	0.68	0	12	P2	AV4	-0.13			TEH	TEC
33	34	DSI	0.51	122		P1	01H	0.21			TEH	TEC
33	34	DSI	0.80	84		P1	02H	-0.08			TEH	TEC
33	34	DSI	0.55	17		P1	03H	0.10			TEH	TEC
33	34	DSI	0.70	26		P1	04H	0.08			TEH	TEC
33	34	SAI	0.34	109		6	03H	-0.12	0.16		03H	03H
33	35	DSI	0.42	138		P1	01H	-0.03			TEH	TEC
33	35	DSI	0.96	38		P1	02H	0.00			TEH	TEC
33	35	MAI	0.22	82		6	02H	0.18	0.28		02H	02H
33	36	DSI	0.27	158		P1	01H	0.10			TEH	TEC
33	38	DSI	0.32	41		P1	02H	0.08			TEH	TEC
33	38	SAI	0.19	83		6	02H	0.01	0.26		02H	02H
33	40	DSI	0.87	82		P1	01H	-0.03			07H	TEH
33	46	DSI	0.27	37		P1	07H	0.06			07H	TEC
33	46	DSI	0.33	98		P1	01H	0.03			07H	TEH
33	46	DSI	0.33	53		P1	07H	0.03			07H	TEH
33	47	DSI	0.31	46		P1	01H	-0.03			07H	TEH
33	47	SAI	0.21	97		6	01H	-0.06	0.34		01H	01H
33	48	DSI	0.44	82		P1	01H	0.00			07H	TEH
33	49	DSI	0.72	123		P1	03H	-0.26			07H	TEH
33	50	DSI	0.58	53		P1	03H	-0.03			07H	TEH
33	50	SAI	0.18	72		6	03H	-0.05	0.40		03H	03H
33	51	DSI	0.69	115		P1	01H	0.03			07H	TEH
33	51	DSI	1.27	78		P1	02H	-0.09			07H	TEH
33	51	DSI	1.30	77		P1	03H	-0.17			07H	TEH
33	51	DSI	0.72	90		P1	04H	-0.17			07H	TEH
33	51	DSI	0.62	18		P1	06H	-0.09			07H	TEH
33	51	MAI	0.52	68		6	02H	-0.11	0.57		02H	02H
33	51	MAI	0.47	84		6	03H	-0.17	0.46		03H	03H
33	53	DSI	0.43	113		P1	02H	-0.29			07H	TEH
33	53	DSI	0.71	64		P1	03H	-0.06			07H	TEH
33	53	DSI	0.29	27		P1	04H	0.00			07H	TEH
33	53	SAI	0.33	95		6	04H	0.00	0.37		04H	04H
33	54	DSI	1.47	74		P1	02H	0.06			07H	TEH
33	54	DSI	0.27	101		P1	06H	-0.12			07H	TEH
33	54	MAI	0.44	85		6	02H	0.08	0.60		02H	02H
33	55	DSI	0.78	64		P1	02H	0.10			TEH	TEC
33	55	DSI	0.74	41		P1	03H	0.10			TEH	TEC
33	55	DSI	0.82	65		P1	04H	-0.08			TEH	TEC
33	56	DSI	0.89	56		P1	03H	-0.08			TEH	TEC
33	57	DSI	0.76	42		P1	02H	0.16			TEH	TEC
33	57	DSI	0.50	72		P1	03H	0.10			TEH	TEC
33	58	DSI	0.54	107		P1	01H	0.08			TEH	TEC
33	59	DSI	0.42	37		P1	01H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
33	59	DSI	0.99	81		P1	02H	0.03			TEH	TEC
33	59	DSI	0.49	58		P1	03H	0.00			TEH	TEC
33	59	DSI	0.77	73		P1	05H	-0.03			TEH	TEC
33	59	SAI	0.26	74		6	01H	-0.03	0.35		01H	01H
33	61	DSI	0.70	112		P1	01H	0.03			TEH	TEC
33	61	DSI	0.28	44		P1	03H	0.05			TEH	TEC
33	63	PIU	0.88	20		P3	STH	-1.33			STH	STH
33	70	PCT	1.27	0	22	P2	AV3	0.00			TEH	TEC
33	72	DSI	0.61	52		P1	01H	0.03			TEH	TEC
33	75	DSI	0.48	149		P1	01H	-0.10			TEH	TEC
33	75	PCT	0.40	130	20	P1	02C	0.03			TEH	TEC
33	75	DSI	0.25	80		P1	03H	0.05			TEH	TEC
33	75	DSI	0.40	160		P1	05H	-0.16			TEH	TEC
33	76	DSI	0.63	111		P1	01H	0.13			TEH	TEC
34	18	PCT	0.98	140	11	P1	01C	-0.20			TEH	TEC
34	18	PCT	0.70	129	25	P1	02C	0.09			TEH	TEC
34	18	VOL	0.47	110		6	01C	-0.20			01C	01C
34	18	VOL	0.55	109		P2	02C	0.08			02C	02C
34	24	DSI	0.96	133		P1	01H	-0.05			TEH	TEC
34	26	DSI	0.63	110		P1	01H	0.13			TEH	TEC
34	28	DSI	0.24	54		P1	03H	0.05			TEH	TEC
34	28	SAI	0.10	98		6	03H	0.10	0.16		03H	03H
34	29	DSI	0.67	41		P1	01H	0.08			TEH	TEC
34	29	DSI	0.66	101		P1	02H	0.05			TEH	TEC
34	29	DSI	1.09	130		P1	03H	0.10			TEH	TEC
34	29	DSI	0.33	96		P1	05H	0.16			TEH	TEC
34	29	MAI	0.34	104		6	01H	0.00	0.42		01H	01H
34	30	DSI	1.00	16		P1	02H	0.24			TEH	TEC
34	30	SAI	0.17	118		6	02H	-0.17	0.35		02H	02H
34	33	DSI	1.20	115		P1	01H	0.13			TEH	TEC
34	33	MAI	0.32	109		6	01H	0.13	0.61		01H	01H
34	36	DSI	0.67	140		P1	01H	0.16			TEH	TEC
34	36	DSI	0.42	57		P1	03H	0.03			TEH	TEC
34	37	DSI	1.33	92		P1	02H	0.26			TEH	TEC
34	37	DSI	0.70	103		P1	03H	0.16			TEH	TEC
34	37	DSI	0.74	101		P1	04H	0.03			TEH	TEC
34	37	SPR	1.78	132		P1	01H	-0.03			TEH	TEC
34	37	MAI	0.49	103		6	01H	0.08	0.44		01H	01H
34	37	MAI	0.69	99		6	02H	0.07	0.72		02H	02H
34	41	DSI	0.92	125		P1	02H	-0.09			07H	TEH
34	43	DSI	0.76	88		P1	05H	-0.03			07H	TEH
34	44	DSI	0.74	132		P1	01H	-0.14			07H	TEH
34	44	DSI	0.60	29		P1	02H	-0.06			07H	TEH
34	44	MAI	0.20	106		6	02H	0.02	0.37		02H	02H
34	47	PCT	1.03	0	17	P2	AV3	0.14			07H	TEC
34	47	DSI	0.34	133		P1	01H	0.03			07H	TEH
34	50	DSI	0.62	100		P1	04H	-0.09			07H	TEH
34	51	DSI	0.94	108		P1	01H	0.17			07H	TEH
34	56	DSI	0.14	140		P1	01H	0.18			TEH	TEC
34	56	DSI	0.75	85		P1	02H	0.10			TEH	TEC
34	56	DSI	0.49	62		P1	04H	0.08			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
34	62	DSI	0.95	103		P1	01H	0.13			TEH	TEC
34	65	DSI	0.52	106		P1	01H	-0.05			TEH	TEC
34	68	DSI	0.71	140		P1	01H	0.10			TEH	TEC
34	78	PCT	1.79	133	22	P1	01C	0.00			TEH	TEC
34	79	PCT	1.33	141	10	P1	01C	0.06			TEH	TEC
35	17	PCT	1.01	121	32	P1	01C	-0.26			TEH	TEC
35	18	PCT	0.65	146	1	P1	02C	-0.17			TEH	TEC
35	21	FSI	0.65	56		3	03H	27.30			TEH	TEC
35	26	DSI	1.14	98		P1	01H	0.13			TEH	TEC
35	27	DSI	1.19	95		P1	01H	0.00			TEH	TEC
35	27	MAI	0.91	93		6	01H	-0.04	0.67		01H	01H
35	28	DSI	0.65	113		P1	01H	0.00			TEH	TEC
35	28	DSI	0.68	39		P1	03H	0.05			TEH	TEC
35	28	SAI	0.27	77		6	03H	0.02	0.30		03H	03H
35	34	DSI	0.57	139		P1	01H	0.08			TEH	TEC
35	34	DSI	0.70	63		P1	02H	-0.05			TEH	TEC
35	35	DSI	0.60	30		P1	04H	0.05			TEH	TEC
35	35	SAI	0.15	94		6	04H	0.00	0.22		04H	04H
35	36	DSI	0.74	70		P1	02H	0.08			TEH	TEC
35	37	DSI	0.69	83		P1	02H	0.00			TEH	TEC
35	40	DSI	0.51	33		P1	02H	0.00			07H	TEH
35	40	SAI	0.18	111		6	02H	0.00	0.23		02H	02H
35	41	DSI	0.75	78		P1	01H	-0.06			07H	TEH
35	44	DSI	0.55	130		P1	02H	-0.09			07H	TEH
35	52	SAI	0.80	13		6	TSH	-1.09	0.20		TSH	TSH
35	58	DSI	0.40	30		P1	03H	0.05			TEH	TEC
35	67	DSI	0.53	51		P1	02H	0.08			TEH	TEC
35	73	PCT	0.47	160	0	P1	01C	-0.13			TEH	TEC
35	73	DSI	0.70	66		P1	04H	0.11			TEH	TEC
35	75	PCT	2.90	119	37	P1	02C	-0.11			TEH	TEC
35	76	PCT	0.22	140	11	P1	01C	-0.06			TEH	TEC
35	78	PCT	2.11	158	0	P1	01C	0.00			TEH	TEC
36	20	PCT	0.86	154	0	P1	02C	-0.23			TEH	TEC
36	22	SPR	1.96	20		P1	03H	0.00			TEH	TEC
36	22	SAI	0.15	77		6	03H	0.00	0.16		03H	03H
36	23	DSI	0.37	113		P1	01H	0.03			TEH	TEC
36	23	DSI	0.42	92		P1	03H	0.00			TEH	TEC
36	23	DSI	0.25	120		P1	06H	-0.08			TEH	TEC
36	26	PCT	2.51	0	28	P2	AV2	-0.13			TEH	TEC
36	26	PCT	4.96	0	38	P2	AV3	0.05			TEH	TEC
36	26	PCT	1.91	0	24	P2	AV4	-0.08			TEH	TEC
36	27	DSI	0.63	115		P1	02H	-0.05			TEH	TEC
36	29	DSI	0.91	120		P1	01H	0.18			TEH	TEC
36	30	DSI	0.58	143		P1	01H	0.13			TEH	TEC
36	35	DSI	0.32	87		P1	02H	0.08			TEH	TEC
36	35	FSI	0.73	105		3	AV2	18.11			TEH	TEC
36	39	DSI	0.68	150		P1	01H	0.13			TEH	TEC
36	40	DSI	0.79	148		P1	02H	-0.26			07H	TEH
36	49	DSI	0.68	104		P1	01H	-0.09			07H	TEH
36	49	DSI	0.36	69		P1	04H	0.00			07H	TEH
36	50	DSI	0.38	57		P1	01H	-0.09			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
36	61	PCT	1.79	0	23	P2	AV3	-0.26			TEH	TEC
36	72	PCT	0.33	143	3	P1	01C	-0.26			TEH	TEC
36	73	PCT	1.79	114	42	P1	01C	-0.14			TEH	TEC
36	73	VOL	1.06	89		6	01C	-0.14			01C	01C
36	75	PCT	1.56	146	5	P1	01C	0.03			TEH	TEC
36	75	PCT	0.16	117	37	P1	02C	-0.20			TEH	TEC
36	75	VOL	0.46	114		P2	01C	0.00			01C	01C
36	75	VOL	0.28	105		P2	02C	-0.23			02C	02C
36	76	PCT	0.78	144	5	P1	01C	0.00			TEH	TEC
37	21	PCT	0.45	142	6	P1	01C	-0.23			TEH	TEC
37	21	PCT	1.22	140	9	P1	02C	-0.20			TEH	TEC
37	22	PCT	0.49	137	13	P1	01C	-0.29			TEH	TEC
37	22	PCT	0.92	135	15	P1	02C	-0.23			TEH	TEC
37	22	VOL	0.44	82		P2	01C	-0.12			01C	01C
37	22	VOL	0.49	113		P2	02C	-0.04			02C	02C
37	31	DSI	1.29	101		P1	01H	0.00			TEH	TEC
37	31	DSI	0.63	51		P1	03H	0.23			TEH	TEC
37	31	DSI	1.31	98		P1	01H	0.03			TEH	TEC
37	31	DSI	0.67	47		P1	03H	0.18			TEH	TEC
37	31	DSI	1.16	15		P1	05H	0.05			TEH	TEC
37	31	MAI	0.55	98		6	03H	-0.09	0.48		03H	03H
37	31	MAI	0.90	84		6	01H	0.00	0.50		01H	01H
37	37	DSI	0.44	73		P1	04H	-0.05			TEH	TEC
37	43	PCT	1.91	0	24	P2	AV2	0.06			07H	TEC
37	43	PCT	2.41	0	28	P2	AV3	0.17			07H	TEC
37	55	DSI	0.18	103		P1	01H	0.03			TEH	TEC
37	57	DSI	1.09	76		P1	02H	0.00			TEH	TEC
37	65	DSI	0.65	36		P1	02H	0.05			TEH	TEC
37	65	DSI	0.62	95		P1	03H	0.05			TEH	TEC
37	65	DSI	0.37	61		P1	04H	-0.10			TEH	TEC
37	65	SAI	0.27	101		6	02H	0.01	0.25		02H	02H
37	70	DSI	0.38	38		P1	04H	0.05			TEH	TEC
37	74	PCT	1.22	134	19	P1	02C	0.14			TEH	TEC
37	75	PCT	0.78	146	5	P1	01C	-0.03			TEH	TEC
37	76	PCT	0.96	172	0	P1	01C	-0.03			TEH	TEC
37	76	PCT	0.65	142	10	P1	02C	-0.11			TEH	TEC
38	21	PCT	0.44	143	5	P1	02C	-0.09			TEH	TEC
38	26	PCT	1.05	0	16	P2	AV2	-0.08			TEH	TEC
38	27	PCT	0.71	137	17	P1	02C	-0.26			TEH	TEC
38	31	DSI	0.59	159		P1	06H	0.16			TEH	TEC
38	32	DSI	0.51	51		P1	02H	0.10			TEH	TEC
38	44	DSI	0.88	77		P1	01H	0.03			07H	TEH
38	62	DSI	0.34	117		P1	01H	0.05			TEH	TEC
38	68	PCT	0.20	144	2	P1	02C	0.03			TEH	TEC
38	69	PCT	0.23	120	32	P1	02C	-0.05			TEH	TEC
38	72	DSI	0.53	22		P1	01H	0.00			TEH	TEC
38	72	PCT	1.63	129	25	P1	02C	0.17			TEH	TEC
39	22	PCT	2.18	0	27	P2	AV4	0.00			TEH	TEC
39	23	PCT	1.25	132	21	P1	02C	-0.17			TEH	TEC
39	24	PCT	0.99	139	10	P1	01C	-0.06			TEH	TEC
39	24	PCT	1.29	153	0	P1	02C	-0.23			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
39	26	PCT	0.53	138	11	P1	01C	-0.20			TEH	TEC
39	26	DSI	0.69	145		P1	01H	0.09			TEH	TEC
39	26	PCT	0.73	149	0	P1	02C	-0.17			TEH	TEC
39	26	DSI	0.48	130		P1	02H	0.23			TEH	TEC
39	38	DSI	0.61	94		P1	01H	0.00			TEH	TEC
39	39	PCT	2.78	0	30	P2	AV3	0.00			TEH	TEC
39	39	PCT	1.91	0	24	P2	AV4	0.00			TEH	TEC
39	43	DSI	0.35	119		P1	01H	0.03			07H	TEH
39	44	DSI	0.95	100		P1	02H	0.12			07H	TEH
39	48	PCT	1.65	0	24	P2	AV3	0.00			07H	TEC
39	48	PCT	1.15	0	19	P2	AV4	-0.20			07H	TEC
39	48	DSI	1.75	95		P1	01H	0.00			07H	TEH
39	48	DSI	0.41	66		P1	04H	-0.17			07H	TEH
39	48	SAI	1.45	75		6	01H	0.00	0.55		01H	01H
39	51	PCT	0.72	0	10	P2	AV3	0.00			07H	TEC
39	52	DSI	1.00	111		P1	01H	0.00			07H	TEH
39	56	PCT	2.76	0	29	P2	AV3	0.00			TEH	TEC
39	56	PCT	1.63	77	23	P2	AV4	0.00			TEH	TEC
39	57	DSI	0.58	108		P1	05H	-0.08			TEH	TEC
39	57	PCT	4.30	0	36	P2	AV3	0.00			TEH	TEC
39	57	PCT	1.55	0	21	P2	AV4	0.00			TEH	TEC
39	58	PCT	2.31	0	27	P2	AV3	0.00			TEH	TEC
39	58	PCT	1.06	0	17	P2	AV4	0.00			TEH	TEC
39	60	PCT	1.20	0	17	P2	AV3	-0.05			TEH	TEC
39	60	PCT	2.06	0	25	P2	AV4	-0.13			TEH	TEC
39	61	PCT	4.80	0	37	P2	AV3	0.34			TEH	TEC
39	61	SPR	1.67	159		P1	01H	0.00			TEH	TEC
39	61	SAI	0.24	106		6	01H	0.01	0.19		01H	01H
39	71	PCT	0.45	180	0	P1	01C	0.00			TEH	TEC
39	71	PCT	0.53	140	12	P1	02C	-0.23			TEH	TEC
39	71	PCT	0.94	0	17	P2	AV1	0.00			TEH	TEC
39	71	VOL	0.30	116		P2	01C	0.00			01C	01C
39	71	VOL	0.27	107		6	02C	-0.20			02C	02C
39	72	DSI	0.50	54		P1	01H	0.09			TEH	TEC
39	72	PCT	1.79	125	30	P1	02C	0.20			TEH	TEC
39	72	DSI	0.23	79		P1	03H	0.06			TEH	TEC
39	72	DSI	0.28	83		P1	05H	-0.06			TEH	TEC
39	73	PCT	0.92	131	22	P1	02C	0.17			TEH	TEC
39	73	VOL	0.33	103		P2	02C	0.09			02C	02C
40	24	PCT	0.38	138	14	P1	01C	-0.20			TEH	TEC
40	27	PCT	0.41	129	23	P1	01C	-0.17			TEH	TEC
40	27	PCT	1.03	144	8	P1	02C	-0.20			TEH	TEC
40	28	PCT	0.52	145	2	P1	02C	-0.09			TEH	TEC
40	30	DSI	0.34	43		P1	04H	0.00			TEH	TEC
40	49	DSI	0.73	107		P1	01H	-0.12			07H	TEH
40	53	PCT	0.74	0	13	P2	AV3	0.00			07H	TEC
40	53	PCT	1.10	0	17	P2	AV4	0.00			07H	TEC
40	66	PCT	0.72	138	14	P1	02C	0.09			TEH	TEC
40	70	PCT	0.91	127	28	P1	01C	-0.20			TEH	TEC
40	70	PCT	1.08	129	25	P1	02C	-0.17			TEH	TEC
40	71	DSI	0.40	98		P1	01H	0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
40	71	DSI	1.04	83		P1	02H	0.09			TEH	TEC
41	26	PCT	0.90	135	18	P1	01C	-0.17			TEH	TEC
41	26	PCT	1.85	125	27	P1	02C	-0.17			TEH	TEC
41	27	PCT	2.00	122	31	P1	02C	-0.23			TEH	TEC
41	27	VOL	1.29	90		P2	02C	-0.16			02C	02C
41	41	PCT	0.67	0	12	P2	AV4	0.06			07H	TEC
41	43	PCT	1.17	0	18	P2	AV1	0.08			07H	TEC
41	43	PCT	3.85	0	34	P2	AV2	0.00			07H	TEC
41	43	PCT	5.22	0	39	P2	AV3	0.51			07H	TEC
41	43	PCT	1.86	0	24	P2	AV4	0.00			07H	TEC
41	46	DSI	1.42	103		P1	01H	0.09			07H	TEH
41	46	MAI	0.99	81		6	01H	-0.04	0.57		01H	01H
41	48	DSI	0.21	88		P1	01H	0.00			07H	TEH
41	51	PCT	1.25	0	19	P2	AV3	0.00			07H	TEC
41	51	PCT	1.63	0	22	P2	AV4	0.00			07H	TEC
41	53	DSI	0.87	43		P1	02H	-0.06			07H	TEH
41	53	SAI	0.57	85		6	02H	-0.05	0.60		02H	02H
41	61	PCT	0.98	0	15	P2	AV1	0.03			TEH	TEC
41	64	PCT	0.73	0	14	P2	AV3	0.00			TEH	TEC
41	66	PCT	1.14	136	17	P1	01C	-0.11			TEH	TEC
41	69	PCT	0.54	144	7	P1	02C	-0.11			TEH	TEC
42	28	PCT	1.66	133	18	P1	02C	0.03			TEH	TEC
42	29	PCT	0.86	134	17	P1	02C	-0.03			TEH	TEC
42	30	PCT	0.42	149	0	P1	01C	-0.20			TEH	TEC
42	30	PCT	0.65	137	15	P1	02C	-0.11			TEH	TEC
42	30	VOL	0.39	117		P2	01C	-0.11			01C	01C
42	30	VOL	0.77	92		P2	02C	-0.03			02C	02C
42	33	PCT	1.96	120	32	P1	02C	-0.14			TEH	TEC
42	35	PCT	0.32	144	2	P1	02C	-0.15			TEH	TEC
42	36	PCT	0.72	131	22	P1	01C	-0.05			TEH	TEC
42	36	VOL	0.59	103		P2	01C	0.04			01C	01C
42	42	DSI	0.70	31		P1	02H	0.09			07H	TEH
42	51	DSI	1.31	103		P1	01H	0.03			07H	TEH
42	51	DSI	0.84	71		P1	02H	0.14			07H	TEH
42	51	SAI	1.17	88		6	01H	-0.02	0.57		01H	01H
42	52	PCT	0.64	0	13	P2	AV1	0.06			07H	TEC
42	52	PCT	0.87	0	16	P2	AV2	0.03			07H	TEC
42	57	PCT	0.63	128	26	P1	01C	-0.18			TEH	TEC
42	59	PCT	0.53	142	10	P1	02C	-0.08			TEH	TEC
42	59	PCT	0.64	0	11	P2	AV1	0.00			TEH	TEC
42	60	PCT	0.92	144	2	P1	02C	-0.21			TEH	TEC
42	62	PCT	0.54	138	14	P1	01C	-0.09			TEH	TEC
42	62	DSI	0.55	57		P1	04H	0.00			TEH	TEC
42	62	DSI	0.38	121		P1	05H	0.15			TEH	TEC
42	62	VOL	0.25	93		6	01C	-0.10			01C	01C
42	65	PCT	0.39	137	15	P1	01C	-0.17			TEH	TEC
42	65	PCT	0.82	157	0	P1	02C	-0.20			TEH	TEC
42	65	VOL	0.17	82		6	02C	-0.20			02C	02C
43	31	PCT	1.61	0	22	P2	AV4	0.14			TEH	TEC
43	34	PCT	1.23	136	17	P1	01C	-0.06			TEH	TEC
43	34	PCT	0.99	135	15	P1	02C	0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
43	36	PCT	0.42	147	1	P1	01C	0.03			TEH	TEC
43	36	PCT	0.66	141	9	P1	02C	-0.23			TEH	TEC
43	37	SAI	0.52	12		6	TSH	-1.69	0.13		TSH	TSH
43	38	DSI	0.41	84		P1	01H	0.36			TEH	TEC
43	39	PCT	0.53	151	0	P1	02C	-0.23			TEH	TEC
43	41	DSI	0.22	65		P1	05H	-0.06			07H	TEH
43	44	DSI	0.63	40		P1	03H	0.09			07H	TEH
43	45	DSI	0.88	112		P1	01H	0.03			07H	TEH
43	48	DSI	1.03	130		P1	01H	-0.09			07H	TEH
43	49	DSI	0.43	46		P1	01H	-0.06			07H	TEH
43	49	MAI	0.24	104		6	01H	-0.06	0.37		01H	01H
43	50	PCT	0.45	134	20	P1	01C	0.09			07H	TEC
43	57	PCT	1.37	0	20	P2	AV1	0.05			TEH	TEC
43	59	PCT	1.72	135	18	P1	01C	-0.09			TEH	TEC
43	59	PCT	1.34	0	21	P2	AV1	0.00			TEH	TEC
43	61	PCT	0.45	145	6	P1	02C	-0.20			TEH	TEC
43	61	DSI	0.83	41		P1	06H	0.00			TEH	TEC
43	61	PCT	1.27	0	20	P2	AV1	0.00			TEH	TEC
43	63	PCT	0.68	142	8	P1	02C	-0.06			TEH	TEC
43	64	DSI	0.57	153		P1	01H	-0.03			TEH	TEC
43	64	PCT	0.43	126	28	P1	02C	-0.17			TEH	TEC
43	65	PCT	1.23	131	22	P1	02C	0.09			TEH	TEC
44	34	PCT	0.44	145	2	P1	01C	-0.23			TEH	TEC
44	36	PCT	0.68	145	4	P1	01C	-0.09			TEH	TEC
44	36	PCT	0.95	122	31	P1	02C	0.09			TEH	TEC
44	37	PCT	0.79	137	14	P1	01C	-0.06			TEH	TEC
44	37	PCT	0.55	144	5	P1	02C	0.00			TEH	TEC
44	38	PCT	1.13	124	29	P1	01C	-0.06			TEH	TEC
44	38	PCT	1.71	129	24	P1	02C	-0.20			TEH	TEC
44	38	VOL	1.06	109		P2	01C	0.00			01C	01C
44	38	VOL	0.64	126		P2	02C	-0.18			02C	02C
44	39	PCT	0.49	147	1	P1	02C	0.09			TEH	TEC
44	40	PCT	0.46	157	0	P1	02C	-0.20			TEH	TEC
44	41	PCT	0.29	128	25	P1	02C	0.17			TEH	TEC
44	41	PCT	1.22	98	19	P2	AV4	0.00			TEH	TEC
44	43	PCT	2.45	106	28	P2	02C	0.11			07H	TEC
44	43	PCT	0.54	0	10	P2	AV1	-0.09			07H	TEC
44	44	PCT	0.50	125	27	P1	01C	-0.03			07H	TEC
44	50	PCT	0.44	141	14	P1	01C	-0.06			07H	TEC
44	50	PCT	0.49	139	16	P1	02C	-0.23			07H	TEC
44	50	PCT	1.13	0	19	P2	AV4	-0.06			07H	TEC
44	51	PCT	0.50	145	0	P1	01C	-0.25			07H	TEC
44	57	PCT	0.53	132	21	P1	01C	0.00			TEH	TEC
44	57	PCT	0.72	131	22	P1	02C	0.11			TEH	TEC
44	58	PCT	0.96	139	12	P1	01C	-0.03			TEH	TEC
44	58	PCT	0.39	147	1	P1	02C	-0.17			TEH	TEC
44	59	PCT	0.70	143	7	P1	01C	-0.11			TEH	TEC
44	59	PCT	0.60	137	15	P1	02C	-0.11			TEH	TEC
44	62	DSI	0.60	148		P1	01H	0.09			TEH	TEC
44	62	PCT	1.69	120	34	P1	02C	-0.14			TEH	TEC
45	39	PCT	0.49	143	7	P1	01C	0.03			TEH	TEC

Beaver Valley Unit #1
1R16 SG Examination Results

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1RC-E-1B

(TUBES WITH INDICATIONS)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
45	39	DSI	0.73	144		P1	01H	0.11			TEH	TEC
45	39	PCT	1.66	127	26	P1	02C	-0.09			TEH	TEC
45	40	DNT	2.27	177		P1	01H	-0.08			TEH	TEC
45	40	DSI	0.50	129		P1	03H	0.23			TEH	TEC
45	40	SVI	0.22	84		6	01H	-0.09	0.22	56	01H	01H
45	41	PSI	22.86	128		8	07H	-0.24			TEH	TEC
45	41	CSI	0.88	154		9	07H	-0.09		38	07H	07H
45	42	PCT	0.84	132	20	P1	01C	-0.12			TEH	TEC
45	42	PCT	1.66	129	24	P1	02C	-0.14			TEH	TEC
45	42	VOL	0.30	105		6	01C	-0.05			01C	01C
45	42	VOL	0.49	42		6	02C	-0.07			02C	02C
45	43	PCT	0.75	126	27	P1	01C	0.00			TEH	TEC
45	43	PCT	0.59	143	12	P1	02C	-0.03			TEH	TEC
45	44	PCT	1.36	125	27	P1	01C	-0.09			TEH	TEC
45	44	PCT	0.63	154	3	P1	02C	0.00			TEH	TEC
45	46	PCT	0.45	132	22	P1	01C	-0.09			TEH	TEC
45	46	PCT	0.78	149	7	P1	02C	-0.14			TEH	TEC
45	47	PCT	0.77	114	36	P1	01C	-0.20			TEH	TEC
45	49	PCT	1.43	125	26	P1	01C	-0.17			TEH	TEC
45	56	PCT	0.81	138	14	P1	02C	-0.09			TEH	TEC
45	57	PCT	0.97	140	11	P1	01C	-0.03			TEH	TEC
45	58	PCT	0.79	136	16	P1	01C	-0.06			TEH	TEC
45	58	PCT	0.28	138	14	P1	02C	-0.23			TEH	TEC
45	58	VOL	0.29	121		P2	01C	0.00			01C	01C
45	58	VOL	0.25	109		P2	02C	-0.26			02C	02C
46	41	PSI	21.37	135		8	07H	-0.26			TEH	TEC
46	41	CSI	0.79	159		9	07H	-0.01		30	07H	07H
46	44	PCT	0.86	130	18	P1	01C	0.11			TEH	TEC
46	45	PCT	1.36	117	33	P1	02C	-0.11			TEH	TEC
46	46	PCT	1.25	118	32	P1	01C	-0.08			TEH	TEC
46	46	PCT	1.43	117	33	P1	02C	0.08			TEH	TEC
46	49	PCT	0.71	151	0	P1	01C	-0.06			TEH	TEC

ATTACHMENT 2A

**BEAVER VALLEY UNIT #1
1R16 SG EXAMINATION
RESULTS
1RC-E-1B
TUBES REMOVED FROM
SERVICE**

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1B
(TUBES REMOVED FROM SERVICE)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	94	NQI	0.32	151		P1	TSC	0.86			07C	TEC
1	94	SVI	0.16	297		6	TSC	0.98	0.30	68	TSC	TSC
2	9	SSA	0.32	117		P2	07H	13.80			07H	07C
2	83	SVI	0.13	106		P2	TSH	0.03	0.34	40	TSH	TSH
3	9	MAI	0.20	87		6	03H	0.10	0.63		03H	03H
3	24	MAI	2.21	108		2	02H	-0.12	0.54		02H	02H
3	61	SAI	0.26	70		6	TSH	0.00	0.21		TSH	TSH
5	25	SAI	0.13	93		6	TSH	0.23	0.20		TSH	TSH
6	20	MAI	0.39	104		6	01H	0.04	0.29		01H	01H
6	26	SAI	0.09	77		6	TSH	0.83	0.15		TSH	TSH
6	26	SAI	0.10	82		6	TSH	0.62	0.18		TSH	TSH
6	26	SAI	0.13	93		6	TSH	0.96	0.18		TSH	TSH
6	26	MAI	0.15	120		6	TSH	0.14	0.31		TSH	TSH
6	33	SAI	0.20	97		6	TSH	0.14	0.20		TSH	TSH
6	33	SAI	0.14	65		6	TSH	0.23	0.18		TSH	TSH
6	33	SAI	0.14	104		6	TSH	0.38	0.20		TSH	TSH
7	18	SAI	0.08	87		6	TSH	-0.03	0.24		TSH	TSH
7	37	MAI	0.19	79		6	TSH	0.56	0.18		TSH	TSH
8	32	PTP	5.88	68		P5	SBH	1.07			SBH	SBH
8	45	MAI	0.19	79		6	TSH	0.15	0.23		TSH	TSH
9	21	SAI	0.16	53		6	TSH	0.07	0.18		TSH	TSH
9	26	SAI	0.19	101		6	TSH	0.20	0.31		TSH	TSH
9	44	SAI	0.13	75		6	TSH	0.48	0.18		TSH	TSH
10	30	PTP	0.44	65		6	SBH	1.32			SBH	SBH
10	35	SAI	0.15	93		6	TSH	0.86	0.23		TSH	TSH
10	35	MAI	0.25	76		6	TSH	1.44	0.56		TSH	TSH
10	37	SAI	0.29	69		6	TSH	1.36	0.28		TSH	TSH
10	44	SAI	0.13	100		6	TSH	0.63	0.26		TSH	TSH
11	44	MAI	0.29	96		6	TSH	0.62	0.65		TSH	TSH
12	19	SAI	0.16	108		6	03H	-0.08	0.31		03H	03H
13	6	SAI	0.14	83		6	TSH	0.06	0.19		TSH	TSH
13	46	MAI	0.31	82		6	TSH	0.56	0.75		TSH	TSH
15	24	SAI	0.16	98		6	TSH	0.33	0.34		TSH	TSH
15	38	SAI	0.35	62		6	TSH	2.37	0.26		TSH	TSH
15	78	SAI	1.14	12		6	TSH	-1.27	0.36		TSH	TSH
16	53	SAI	0.20	111		6	TSH	0.09	0.17		TSH	TSH
19	32	PTP	0.91	46		6	SBH	1.13			SBH	SBH
28	19	SCI	0.13	100		P2	TSH	0.12		34	TSH	TSH
28	51	SAI	0.29	82		6	TSH	0.09	0.15		TSH	TSH
31	26	SCI	0.11	112		P2	TSH	0.10		26	TSH	TSH
34	37	MAI	0.49	103		6	01H	0.08	0.44		01H	01H
35	52	SAI	0.80	13		6	TSH	-1.09	0.20		TSH	TSH
36	22	SAI	0.15	77		6	03H	0.00	0.16		03H	03H
36	73	PCT	1.79	114	42	P1	01C	-0.14			TEH	TEC
39	61	SAI	0.24	106		6	01H	0.01	0.19		01H	01H
43	37	SAI	0.52	12		6	TSH	-1.69	0.13		TSH	TSH
45	40	SVI	0.22	84		6	01H	-0.09	0.22	56	01H	01H

ATTACHMENT 3

**BEAVER VALLEY UNIT #1
1R16 SG EXAMINATION
RESULTS
1RC-E-1C
TUBES WITH INDICATIONS**

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	17	DSI	0.52	32		P1	06H	-0.09			07H	TEH
1	19	DSI	0.30	122		P1	01H	-0.06			07H	TEH
1	47	DSI	1.12	39		P1	01H	0.00			07H	TEH
1	47	DSI	1.22	83		P1	02H	0.00			07H	TEH
1	47	MAI	0.34	86		6	01H	0.11	0.55		01H	01H
1	85	DSI	0.60	57		P1	02H	0.03			07H	TEH
1	85	DSI	0.49	115		P1	04H	-0.25			07H	TEH
1	85	DSI	0.69	78		P1	05H	0.11			07H	TEH
1	87	DSI	0.77	58		P1	02H	0.00			07H	TEH
1	90	DSI	1.09	36		P1	02H	-0.03			07H	TEH
1	90	SAI	0.31	89		6	02H	-0.01	0.52		02H	02H
1	93	DSI	1.25	34		P1	02H	0.37			07H	TEH
1	93	DSI	0.56	57		P1	05H	0.00			07H	TEH
1	94	DSI	0.56	67		P1	02H	-0.03			07H	TEH
1	94	DSI	0.82	36		P1	03H	0.00			07H	TEH
1	94	SAI	0.19	87		6	03H	0.04	0.38		03H	03H
2	3	DSI	0.50	102		P1	01H	-0.26			07H	TEH
2	3	DSI	0.82	98		P1	04H	-0.06			07H	TEH
2	6	DSI	1.62	37		P1	01H	-0.03			07H	TEH
2	6	DSI	0.95	73		P1	02H	-0.14			07H	TEH
2	6	DSI	0.82	45		P1	03H	-0.06			07H	TEH
2	6	SAI	0.27	53		6	01H	0.14	0.29		01H	01H
2	7	DSI	1.37	82		P1	01H	-0.09			07H	TEH
2	7	DSI	1.36	78		P1	02H	-0.03			07H	TEH
2	7	DSI	1.24	70		P1	03H	-0.11			07H	TEH
2	8	DSI	0.84	117		P1	01H	-0.17			07H	TEH
2	8	DSI	0.68	80		P1	02H	-0.03			07H	TEH
2	8	DSI	0.82	73		P1	03H	-0.11			07H	TEH
2	10	DSI	1.08	62		P1	01H	-0.06			07H	TEH
2	10	DSI	0.30	126		P1	02H	-0.08			07H	TEH
2	10	DSI	1.22	77		P1	03H	-0.06			07H	TEH
2	11	DSI	1.62	63		P1	01H	0.03			07H	TEH
2	11	DSI	1.19	77		P1	02H	0.00			07H	TEH
2	11	DSI	0.60	113		P1	03H	-0.14			07H	TEH
2	12	DSI	1.40	51		P1	01H	-0.03			07H	TEH
2	12	DSI	0.68	62		P1	02H	-0.06			07H	TEH
2	12	SAI	0.20	89		6	01H	0.11	0.31		01H	01H
2	13	DSI	1.10	83		P1	01H	-0.06			07H	TEH
2	13	DSI	0.65	88		P1	02H	-0.20			07H	TEH
2	13	DSI	0.71	68		P1	03H	0.00			07H	TEH
2	14	DSI	0.51	65		P1	01H	-0.06			07H	TEH
2	14	DSI	0.44	83		P1	02H	0.11			07H	TEH
2	15	DSI	1.20	52		P1	01H	0.11			07H	TEH
2	15	DSI	1.38	69		P1	02H	-0.11			07H	TEH
2	15	DSI	0.68	75		P1	03H	-0.08			07H	TEH
2	15	MAI	0.41	86		6	02H	-0.07	0.50		02H	02H
2	17	DSI	1.41	82		P1	01H	-0.12			07H	TEH
2	17	DSI	1.57	72		P1	02H	-0.03			07H	TEH
2	17	DSI	0.77	77		P1	03H	-0.23			07H	TEH
2	17	MAI	0.32	72		6	01H	-0.08	0.43		01H	01H
2	17	MAI	0.33	102		6	02H	-0.06	0.43		02H	02H
2	18	DSI	0.94	76		P1	01H	-0.06			07H	TEH

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	18	DSI	1.12	76		P1	02H	-0.08			07H	TEH
2	18	DSI	0.76	90		P1	03H	-0.14			07H	TEH
2	19	DSI	1.12	74		P1	01H	0.00			07H	TEH
2	19	DSI	0.86	71		P1	02H	0.17			07H	TEH
2	19	DSI	0.78	61		P1	03H	-0.06			07H	TEH
2	20	DSI	1.09	68		P1	01H	0.03			07H	TEH
2	20	DSI	0.33	125		P1	02H	0.11			07H	TEH
2	20	DSI	0.36	87		P1	03H	-0.08			07H	TEH
2	20	DSI	0.83	66		P1	04H	-0.20			07H	TEH
2	23	DSI	1.25	58		P1	01H	-0.15			07H	TEH
2	23	DSI	1.01	80		P1	02H	-0.14			07H	TEH
2	25	DSI	1.44	75		P1	01H	-0.03			07H	TEH
2	25	DSI	1.13	88		P1	02H	-0.03			07H	TEH
2	25	MAI	0.42	101		6	01H	0.00	0.30		01H	01H
2	26	DSI	1.21	52		P1	01H	-0.03			07H	TEH
2	26	DSI	1.29	65		P1	02H	-0.09			07H	TEH
2	26	DSI	0.63	89		P1	03H	0.08			07H	TEH
2	26	SAI	0.15	88		6	01H	0.00	0.53		01H	01H
2	26	SAI	0.23	78		6	02H	-0.11	0.28		02H	02H
2	28	DSI	1.45	66		P1	01H	-0.09			07H	TEH
2	28	DSI	0.38	34		P1	02H	-0.03			07H	TEH
2	28	SAI	0.24	58		6	02H	-0.16	0.32		02H	02H
2	28	SAI	0.27	50		6	01H	0.18	0.30		01H	01H
2	33	DSI	1.00	39		P1	01H	0.00			07H	TEH
2	33	DSI	0.43	81		P1	02H	0.23			07H	TEH
2	37	DSI	0.35	127		P1	02H	-0.14			07H	TEH
2	40	DSI	0.62	131		P1	01H	-0.23			07H	TEH
2	42	DSI	0.68	27		P1	01H	0.00			07H	TEH
2	42	SAI	0.32	87		6	01H	-0.09	0.58		01H	01H
2	44	DSI	0.70	38		P1	01H	0.00			07H	TEH
2	44	DSI	0.39	45		P1	02H	0.06			07H	TEH
2	44	MAI	0.26	94		6	01H	-0.06	0.49		01H	01H
2	45	DSI	0.66	106		P1	01H	-0.12			07H	TEH
2	45	DSI	0.45	148		P1	02H	-0.17			07H	TEH
2	46	DSI	0.71	96		P1	02H	-0.03			07H	TEH
2	48	DSI	1.01	54		P1	01H	0.11			07H	TEH
2	48	DSI	0.54	53		P1	02H	0.03			07H	TEH
2	48	MAI	0.37	88		6	01H	-0.06	0.43		01H	01H
2	48	MAI	0.43	109		6	02H	-0.02	0.36		02H	02H
2	50	DSI	0.61	96		P1	02H	-0.11			07H	TEH
2	54	DSI	1.05	60		P1	01H	0.00			07H	TEH
2	54	DSI	0.95	35		P1	02H	0.00			07H	TEH
2	54	MAI	0.25	94		6	02H	0.00	0.60		02H	02H
2	65	DSI	0.46	51		P1	02H	0.06			07H	TEH
2	75	DSI	0.41	75		P1	02H	0.08			07H	TEH
2	76	DSI	0.72	67		P1	02H	0.00			07H	TEH
2	87	DSI	0.44	115		P1	02H	0.20			07H	TEH
2	87	DSI	0.35	76		P1	06H	-0.03			07H	TEH
2	89	DSI	0.89	95		P1	02H	0.00			07H	TEH
2	90	DSI	0.17	123		P1	03H	0.14			07H	TEH
3	9	DSI	0.54	95		P1	02H	-0.17			07H	TEH
3	9	DSI	0.92	39		P1	03H	-0.06			07H	TEH

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	9	SAI	0.36	90		6	03H	-0.03	0.25		03H	03H
3	11	DSI	0.91	61		P1	02H	-0.09			07H	TEH
3	11	DSI	0.57	58		P1	03H	-0.11			07H	TEH
3	12	DSI	0.72	67		P1	01H	-0.06			07H	TEH
3	12	DSI	0.70	65		P1	02H	0.14			07H	TEH
3	12	DSI	1.00	61		P1	03H	-0.11			07H	TEH
3	13	DSI	0.90	42		P1	01H	0.03			07H	TEH
3	13	DSI	0.36	70		P1	02H	-0.03			07H	TEH
3	13	SAI	0.36	91		6	01H	0.07	0.38		01H	01H
3	14	DSI	1.05	71		P1	01H	-0.06			07H	TEH
3	14	DSI	1.47	61		P1	02H	0.00			07H	TEH
3	14	DSI	0.85	43		P1	03H	-0.08			07H	TEH
3	14	MAI	0.28	89		6	02H	0.16	0.55		02H	02H
3	16	DSI	1.01	94		P1	01H	-0.14			07H	TEH
3	16	DSI	0.78	82		P1	02H	-0.14			07H	TEH
3	16	DSI	0.56	140		P1	03H	-0.20			07H	TEH
3	17	DSI	0.86	48		P1	01H	-0.03			07H	TEH
3	17	DSI	0.47	79		P1	02H	0.03			07H	TEH
3	17	SAI	0.27	76		6	01H	0.03	0.45		01H	01H
3	18	DSI	0.62	131		P1	01H	-0.23			07H	TEH
3	21	SAI	0.16	69		6	TSH	0.23	0.36		TSH	TSH
3	22	DSI	0.68	44		P1	01H	-0.03			07H	TEH
3	22	DSI	0.36	90		P1	02H	0.00			07H	TEH
3	22	SAI	0.18	81		6	01H	-0.02	0.34		01H	01H
3	23	DSI	0.83	79		P1	01H	-0.11			07H	TEH
3	23	DSI	0.74	123		P1	02H	-0.17			07H	TEH
3	24	DSI	0.64	137		P1	01H	-0.14			07H	TEH
3	24	DSI	0.42	140		P1	02H	-0.09			07H	TEH
3	25	DSI	0.35	104		P1	01H	-0.11			07H	TEH
3	25	DSI	0.41	124		P1	02H	-0.11			07H	TEH
3	26	DSI	1.56	96		P1	01H	-0.11			07H	TEH
3	26	DSI	0.63	122		P1	02H	-0.06			07H	TEH
3	26	MAI	0.31	91		6	01H	-0.21	0.23		01H	01H
3	27	DSI	0.59	132		P1	01H	-0.24			07H	TEH
3	27	DSI	0.45	129		P1	02H	0.17			07H	TEH
3	28	DSI	0.70	97		P1	01H	-0.18			07H	TEH
3	28	DSI	0.92	120		P1	02H	-0.23			07H	TEH
3	28	DSI	0.54	107		P1	03H	-0.08			07H	TEH
3	29	DSI	1.00	69		P1	02H	0.34			07H	TEH
3	29	DSI	0.51	28		P1	03H	-0.06			07H	TEH
3	32	DSI	0.86	95		P1	01H	-0.14			07H	TEH
3	33	DSI	0.85	75		P1	01H	0.00			07H	TEH
3	33	DSI	0.22	69		P1	02H	-0.06			07H	TEH
3	33	DSI	0.47	102		P1	03H	-0.17			07H	TEH
3	36	DSI	1.57	56		P1	01H	0.06			07H	TEH
3	36	DSI	0.57	126		P1	02H	-0.14			07H	TEH
3	36	SAI	0.21	93		6	01H	0.33	0.40		01H	01H
3	37	DSI	0.63	46		P1	01H	0.03			07H	TEH
3	37	DSI	0.52	17		P1	02H	0.00			07H	TEH
3	37	MAI	0.30	77		6	01H	0.10	0.54		01H	01H
3	37	SAI	0.16	90		6	02H	0.00	0.36		02H	02H
3	39	DSI	0.94	42		P1	01H	0.00			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	39	MAI	0.31	85		6	01H	-0.06	0.47		01H	01H
3	43	DSI	0.24	123		P1	01H	-0.09			07H	TEH
3	45	DSI	1.00	56		P1	01H	-0.03			07H	TEH
3	48	DSI	0.86	63		P1	01H	0.03			07H	TEH
3	50	DSI	1.64	118		P1	01H	-0.14			07H	TEH
3	50	DSI	0.96	105		P1	02H	-0.06			07H	TEH
3	51	DSI	0.74	116		P1	01H	-0.23			07H	TEH
3	52	DSI	0.91	56		P1	01H	0.11			07H	TEH
3	53	DSI	1.06	66		P1	02H	-0.06			07H	TEH
3	58	DSI	1.18	72		P1	01H	0.00			07H	TEH
3	58	DSI	0.75	58		P1	02H	-0.06			07H	TEH
3	58	DSI	0.28	61		P1	05H	0.00			07H	TEH
3	63	DSI	0.38	120		P1	04C	-0.03			07C	TEC
3	81	DSI	0.68	56		P1	02H	0.03			07H	TEH
3	93	PCT	0.58	145	0	P1	01C	-0.11			07C	TEC
3	94	DSI	0.90	95		P1	02H	-0.14			07H	TEH
3	94	PCT	0.93	127	0	P1	01C	-0.12			07C	TEC
4	3	DSI	1.17	54		P1	01H	-0.03			07H	TEH
4	3	DSI	0.95	80		P1	02H	0.03			07H	TEH
4	3	DSI	1.44	101		P1	03H	0.00			07H	TEH
4	3	MAI	0.27	68		6	01H	0.05	0.19		01H	01H
4	3	SAI	0.61	83		6	03H	0.08	0.70		03H	03H
4	4	DSI	0.86	30		P1	01H	0.00			07H	TEH
4	4	MAI	0.18	110		6	01H	0.02	0.36		01H	01H
4	7	DSI	1.23	37		P1	02H	0.00			07H	TEH
4	7	DSI	0.81	30		P1	03H	0.06			07H	TEH
4	7	MAI	0.30	74		6	02H	-0.15	0.38		02H	02H
4	7	SAI	0.25	95		6	03H	0.17	0.24		03H	03H
4	8	DSI	1.44	34		P1	01H	0.00			07H	TEH
4	8	DSI	0.51	36		P1	03H	0.03			07H	TEH
4	8	MAI	0.38	110		6	01H	0.02	0.54		01H	01H
4	8	SAI	0.32	107		6	03H	0.02	0.45		03H	03H
4	10	DSI	0.60	41		P1	01H	-0.09			07H	TEH
4	10	SAI	0.12	73		6	01H	-0.04	0.22		01H	01H
4	11	DSI	0.96	27		P1	01H	0.03			07H	TEH
4	11	SAI	0.28	114		6	01H	0.02	0.47		01H	01H
4	15	DSI	1.27	23		P1	01H	-0.03			07H	TEH
4	15	DSI	0.84	21		P1	02H	-0.06			07H	TEH
4	15	MAI	0.19	82		6	01H	-0.11	0.32		01H	01H
4	15	MAI	0.25	94		6	02H	0.02	0.43		02H	02H
4	18	DSI	0.96	27		P1	01H	0.00			07H	TEH
4	18	DSI	0.58	30		P1	02H	0.08			07H	TEH
4	18	SAI	0.12	85		6	01H	0.08	0.36		01H	01H
4	18	MAI	0.23	119		6	02H	0.04	0.41		02H	02H
4	21	DSI	0.71	43		P1	02H	0.03			07H	TEH
4	21	MAI	0.37	89		6	02H	-0.04	0.45		02H	02H
4	31	DSI	1.03	40		P1	01H	0.03			07H	TEH
4	31	MAI	0.29	104		6	01H	0.06	0.36		01H	01H
4	32	DSI	0.88	53		P1	01H	0.08			07H	TEH
4	32	DSI	0.77	54		P1	02H	-0.14			07H	TEH
4	32	DSI	0.69	31		P1	03H	0.00			07H	TEH
4	32	DSI	0.22	89		P1	04H	-0.03			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
4	32	SAI	0.22	100		6	01H	-0.07	0.34		01H	01H
4	32	MAI	0.17	51		6	02H	-0.07	0.39		02H	02H
4	33	DSI	1.27	36		P1	01H	-0.03			07H	TEH
4	33	SAI	0.24	98		6	01H	-0.02	0.41		01H	01H
4	35	DSI	1.10	49		P1	01H	-0.03			07H	TEH
4	35	SAI	0.25	101		6	01H	0.00	0.39		01H	01H
4	37	DSI	1.49	25		P1	01H	0.00			07H	TEH
4	37	DSI	0.63	112		P1	02H	-0.23			07H	TEH
4	37	SAI	0.24	103		6	01H	0.04	0.55		01H	01H
4	40	DSI	0.58	149		P1	01H	-0.14			07H	TEH
4	40	DSI	0.73	44		P1	02H	0.03			07H	TEH
4	40	MAI	0.18	63		6	02H	0.00	0.54		02H	02H
4	41	DSI	0.35	68		P1	01H	0.11			07H	TEH
4	41	DSI	0.68	24		P1	02H	0.00			07H	TEH
4	41	SAI	0.22	89		6	02H	-0.16	0.51		02H	02H
4	43	DSI	1.33	47		P1	01H	0.00			07H	TEH
4	43	MAI	0.38	92		6	01H	0.07	0.60		01H	01H
4	44	DSI	1.60	73		P1	01H	0.00			07H	TEH
4	44	DSI	0.67	52		P1	02H	0.08			07H	TEH
4	44	MAI	0.28	110		6	02H	0.02	0.67		02H	02H
4	45	DSI	0.94	31		P1	01H	-0.08			07H	TEH
4	45	MAI	0.43	119		6	01H	-0.21	0.41		01H	01H
4	48	DSI	0.73	47		P1	01H	0.03			07H	TEH
4	48	SAI	0.16	77		6	01H	-0.01	0.50		01H	01H
4	50	DSI	1.14	57		P1	01H	0.14			07H	TEH
4	50	DSI	0.55	79		P1	02H	0.03			07H	TEH
4	59	DSI	0.64	119		P1	01H	-0.11			07H	TEH
4	60	DSI	0.64	56		P1	01H	0.00			07H	TEH
4	60	DSI	0.39	69		P1	02H	0.05			07H	TEH
4	60	DSI	0.57	90		P1	03H	0.11			07H	TEH
4	61	DSI	0.87	85		P1	01H	0.06			07H	TEH
4	65	DSI	0.51	58		P1	04H	0.06			07H	TEH
4	65	DSI	0.43	51		P1	05H	0.08			07H	TEH
4	73	DSI	0.49	83		P1	01H	0.00			07H	TEH
4	93	PCT	0.57	144	0	P1	01C	-0.14			07C	TEC
4	94	DSI	1.25	25		P1	02H	-0.03			07H	TEH
4	94	DSI	0.62	41		P1	03H	0.00			07H	TEH
5	4	DSI	0.86	35		P1	01H	0.00			07H	TEH
5	4	SAI	0.12	52		6	01H	0.04	0.17		01H	01H
5	25	DSI	1.59	52		P1	01H	-0.06			07H	TEH
5	25	DSI	0.86	49		P1	02H	-0.06			07H	TEH
5	25	MAI	0.39	114		6	01H	0.14	0.52		01H	01H
5	25	SAI	0.23	83		6	02H	-0.13	0.32		02H	02H
5	26	DSI	1.00	81		P1	01H	-0.06			07H	TEH
5	26	DSI	0.44	46		P1	03H	0.00			07H	TEH
5	26	SAI	0.29	107		6	03H	0.02	0.49		03H	03H
5	27	DSI	0.95	65		P1	02H	-0.11			07H	TEH
5	28	DSI	0.93	96		P1	01H	-0.03			07H	TEH
5	28	DSI	0.68	68		P1	02H	-0.03			07H	TEH
5	29	DSI	0.89	65		P1	02H	-0.09			07H	TEH
5	43	DSI	0.52	145		P1	06H	-0.08			07H	TEH
5	48	DSI	1.04	73		P1	01H	0.11			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	48	DSI	0.79	86		P1	02H	-0.06			07H	TEH
5	49	DSI	0.85	120		P1	01H	-0.17			07H	TEH
5	49	DSI	0.63	42		P1	02H	0.00			07H	TEH
5	50	DSI	0.77	107		P1	01H	0.09			07H	TEH
5	51	DSI	0.77	82		P1	01H	0.06			07H	TEH
5	51	DSI	0.45	116		P1	02H	0.11			07H	TEH
5	51	DSI	0.25	94		P1	04H	-0.03			07H	TEH
5	52	DSI	0.79	70		P1	01H	0.06			07H	TEH
5	53	DSI	0.57	104		P1	01H	-0.23			TEH	TEC
5	54	DSI	1.00	89		P1	01H	0.06			07H	TEH
5	54	SPR	1.62	86		P1	02H	0.00			07H	TEH
5	54	SAI	0.14	270		6	02H	-0.03	0.31		02H	02H
5	55	DSI	0.68	73		P1	01H	0.08			07H	TEH
5	57	DSI	0.99	52		P1	01H	-0.06			07H	TEH
5	57	MAI	0.48	98		6	01H	-0.06	0.51		01H	01H
5	58	DSI	0.67	60		P1	01H	0.03			07H	TEH
5	58	DSI	0.58	126		P1	03H	-0.19			07H	TEH
5	60	DSI	1.73	89		P1	01H	0.00			07H	TEH
5	60	DSI	0.43	37		P1	04H	0.00			07H	TEH
5	60	MAI	0.90	85		6	01H	0.03	0.50		01H	01H
5	61	DSI	0.74	94		P1	01H	-0.03			07H	TEH
5	61	DSI	0.73	78		P1	02H	-0.06			07H	TEH
5	61	DSI	0.39	104		P1	03H	0.00			07H	TEH
5	62	DSI	0.65	46		P1	01H	0.03			07H	TEH
5	62	DSI	0.69	88		P1	02H	-0.16			07H	TEH
5	62	DSI	0.58	120		P1	03H	-0.16			07H	TEH
5	62	SAI	0.14	87		6	01H	-0.06	0.25		01H	01H
5	63	DSI	0.62	122		P1	02C	0.08			07C	TEC
5	64	DSI	0.81	110		P1	01H	-0.14			07H	TEH
5	64	DSI	0.67	106		P1	04H	-0.06			07H	TEH
5	65	DSI	0.58	61		P1	02H	0.00			07H	TEH
5	67	DSI	0.89	36		P1	01H	0.06			07H	TEH
5	67	DSI	0.21	99		P1	04H	-0.03			07H	TEH
5	67	SAI	0.18	92		6	01H	0.05	0.29		01H	01H
5	73	DSI	0.89	99		P1	01H	0.11			07H	TEH
5	81	DSI	0.55	55		P1	01H	0.03			07H	TEH
5	81	SAI	0.23	115		6	01H	-0.01	0.41		01H	01H
5	83	DSI	0.66	137		P1	02H	-0.19			07H	TEH
5	83	DSI	0.32	58		P1	03H	-0.03			07H	TEH
5	84	DSI	0.28	51		P1	03H	-0.03			07H	TEH
5	85	DSI	0.68	76		P1	02H	0.03			07H	TEH
6	8	DSI	0.83	27		P1	02H	-0.08			07H	TEH
6	8	MAI	0.38	75		6	02H	-0.12	0.31		02H	02H
6	31	DSI	1.02	114		P1	01H	0.03			07H	TEH
6	31	DSI	1.07	135		P1	02H	0.37			07H	TEH
6	33	DSI	0.98	94		P1	01H	0.00			07H	TEH
6	33	DSI	0.71	140		P1	02H	-0.23			07H	TEH
6	33	DSI	0.67	101		P1	03H	0.37			07H	TEH
6	33	SAI	0.22	90		6	TSH	-0.01	0.31		TSH	TSH
6	36	DSI	1.36	30		P1	01H	-0.09			07H	TEH
6	36	DSI	0.71	88		P1	02H	-0.23			07H	TEH
6	36	DSI	0.13	114		P1	05H	0.00			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
6	38	DSI	0.59	112		P1	01H	0.11			07H	TEH
6	38	DSI	0.62	98		P1	02H	-0.03			07H	TEH
6	41	DSI	1.12	58		P1	01H	0.03			07H	TEH
6	41	DSI	0.43	74		P1	02H	0.00			07H	TEH
6	43	DSI	1.09	75		P1	01H	0.03			07H	TEH
6	59	DSI	1.01	32		P1	01H	0.00			07H	TEH
6	59	MAI	0.31	105		6	01H	0.00	0.55		01H	01H
6	64	DSI	0.51	69		P1	01H	0.00			07H	TEH
6	71	DSI	0.18	109		P1	04H	-0.06			07H	TEH
6	77	DSI	0.46	69		P1	07H	-0.08			07H	TEH
6	77	DSI	0.47	67		P1	07H	0.17			07H	06C
6	78	DSI	0.39	151		P1	01H	0.03			07H	TEH
6	79	DSI	0.92	100		P1	01H	0.05			07H	TEH
6	81	DSI	1.29	114		P1	01H	0.16			07H	TEH
6	81	DSI	0.98	53		P1	02H	-0.05			07H	TEH
6	81	DSI	1.15	55		P1	03H	0.03			07H	TEH
6	81	DSI	1.30	77		P1	04H	-0.06			07H	TEH
6	81	MAI	0.24	110		6	02H	0.00	0.43		02H	02H
6	81	MAI	0.26	108		6	03H	0.08	0.48		03H	03H
6	81	SAI	0.32	94		6	01H	0.15	0.36		01H	01H
6	81	SAI	0.30	94		6	04H	-0.02	0.30		04H	04H
6	82	DSI	0.60	120		P1	01H	0.03			07H	TEH
6	82	DSI	0.51	43		P1	02H	0.00			07H	TEH
6	92	PCT	0.78	126	12	P1	01C	-0.23			07C	TEC
6	92	PCT	0.68	121	20	P1	01C	0.03			07H	TEC
6	92	VOL	0.33	96		6	01C	-0.20			01C	01C
6	94	PCT	1.06	134	0	P1	01C	-0.03			07C	TEC
6	94	PCT	1.02	133	0	P1	01C	-0.03			07H	TEC
7	4	DSI	0.38	62		P1	01H	-0.03			07H	TEH
7	4	DSI	1.41	90		P1	02H	-0.03			07H	TEH
7	4	DSI	0.33	82		P1	03H	-0.03			07H	TEH
7	4	DSI	0.62	75		P1	04H	-0.20			07H	TEH
7	4	MAI	0.22	104		6	02H	-0.10	0.53		02H	02H
7	5	DSI	0.74	108		P1	01H	0.09			07H	TEH
7	5	DSI	0.34	83		P1	02H	-0.03			07H	TEH
7	5	DSI	0.38	45		P1	03H	-0.03			07H	TEH
7	6	DSI	0.80	79		P1	01H	-0.20			07H	TEH
7	6	DSI	0.60	119		P1	02H	0.20			07H	TEH
7	6	DSI	0.58	99		P1	03H	-0.23			07H	TEH
7	6	DSI	0.35	127		P1	05H	-0.14			07H	TEH
7	11	DSI	1.33	95		P1	01H	-0.06			07H	TEH
7	11	DSI	0.98	75		P1	03H	-0.09			07H	TEH
7	11	MAI	0.62	90		6	01H	0.04	0.50		01H	01H
7	18	DSI	0.79	46		P1	01H	0.03			07H	TEH
7	18	DSI	0.63	110		P1	02H	0.06			07H	TEH
7	18	MAI	0.35	98		6	01H	0.02	0.43		01H	01H
7	19	DSI	1.01	96		P1	01H	-0.09			07H	TEH
7	19	DSI	0.29	84		P1	02H	0.03			07H	TEH
7	30	DSI	1.45	27		P1	01H	-0.03			07H	TEH
7	30	MAI	0.23	110		6	01H	0.01	0.36		01H	01H
7	31	SAI	0.15	91		6	TSH	0.36	0.20		TSH	TSH
7	41	DSI	1.48	118		P1	01H	-0.15			07H	TEH

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
7	41	DSI	0.64	133		P1	02H	-0.17			07H	TEH
7	41	DSI	0.44	100		P1	03H	0.00			07H	TEH
7	41	SAI	0.24	90		6	TSH	0.00	0.19		TSH	TSH
7	41	SAI	0.39	81		6	01H	-0.06	0.48		01H	01H
7	61	DSI	0.42	123		P1	03H	-0.14			07H	TEH
7	65	DSI	0.71	47		P1	01H	0.00			07H	TEH
7	65	MAI	0.22	110		6	01H	0.10	0.55		01H	01H
7	66	DSI	0.84	62		P1	01H	-0.11			07H	TEH
7	66	DSI	0.48	31		P1	02H	-0.08			07H	TEH
7	68	DSI	1.08	46		P1	01H	-0.03			07H	TEH
7	68	SAI	0.24	90		6	01H	-0.08	0.55		01H	01H
7	69	DSI	0.49	27		P1	02H	-0.03			07H	TEH
7	70	DSI	1.38	48		P1	02H	0.05			07H	TEH
7	70	SAI	0.65	48		6	02H	0.12	0.64		02H	02H
7	71	DSI	1.26	45		P1	01H	0.00			07H	TEH
7	71	SAI	0.17	98		6	01H	0.08	0.43		01H	01H
7	90	DSI	1.59	77		P1	02H	0.05			07H	TEH
7	90	SPR	1.54	94		P1	03H	0.00			07H	TEH
7	90	SAI	0.22	91		6	03H	-0.17	0.38		03H	03H
7	90	SAI	0.44	96		6	02H	-0.02	0.58		02H	02H
7	91	DSI	0.79	82		P1	01H	0.06			07H	TEH
7	91	DSI	0.25	85		P1	02H	-0.11			07H	TEH
7	92	DSI	0.36	62		P1	01H	0.03			07H	TEH
7	92	DSI	0.88	81		P1	02H	0.06			07H	TEH
7	92	DSI	1.54	76		P1	03H	0.11			07H	TEH
7	92	DSI	0.36	56		P1	01H	0.03			TEH	TEC
7	92	DSI	0.74	67		P1	02H	0.11			TEH	TEC
7	92	DSI	1.60	75		P1	03H	0.14			TEH	TEC
7	92	DSI	0.44	55		P1	06H	-0.09			TEH	TEC
7	92	SAI	0.28	94		6	03H	0.05	0.45		03H	03H
7	93	DSI	0.44	141		P1	01H	0.00			07H	TEH
7	93	DSI	0.66	87		P1	02H	-0.14			07H	TEH
7	93	DSI	0.45	70		P1	04H	-0.06			07H	TEH
7	93	DSI	0.69	117		P1	05H	0.22			07H	TEH
7	93	DSI	0.56	149		P1	01H	0.06			TEH	TEC
7	93	DSI	0.57	130		P1	04H	0.12			TEH	TEC
7	94	DSI	0.89	67		P1	02H	0.00			07H	TEH
7	94	DSI	0.89	54		P1	03H	0.14			07H	TEH
7	94	PCT	0.63	152	0	P1	01C	-0.12			07H	TEC
8	11	DSI	0.84	22		P1	01H	0.00			07H	TEH
8	11	SAI	0.15	114		6	01H	0.06	0.14		01H	01H
8	13	DSI	0.78	33		P1	01H	0.00			07H	TEH
8	13	MAI	0.28	120		6	01H	0.04	0.31		01H	01H
8	16	DSI	0.17	62		P1	02H	0.03			07H	TEH
8	16	DSI	0.48	36		P1	03H	-0.06			07H	TEH
8	33	MAI	0.32	81		6	TSH	0.34	0.54		TSH	TSH
8	38	DSI	0.95	70		P1	01H	-0.06			07H	TEH
8	74	DSI	0.16	29		P1	01H	0.11			07H	TEH
8	77	DSI	0.56	120		P1	02H	-0.08			07H	TEH
8	81	DSI	0.86	45		P1	01H	-0.03			07H	TEH
8	81	SAI	0.43	98		6	01H	-0.08	0.52		01H	01H
9	2	DSI	0.37	147		P1	03H	-0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
9	2	DSI	0.27	118		P1	04H	0.12			TEH	TEC
9	4	DSI	0.65	95		P1	01H	0.22			TEH	TEC
9	4	DSI	0.50	52		P1	02H	-0.03			TEH	TEC
9	4	DSI	0.97	26		P1	06H	0.03			TEH	TEC
9	5	DSI	0.68	55		P1	01H	-0.11			TEH	TEC
9	5	SAI	0.32	105		6	01H	-0.08	0.43		01H	01H
9	8	DSI	1.63	69		P1	01H	0.09			TEH	TEC
9	8	DSI	0.39	39		P1	02H	0.00			TEH	TEC
9	8	SAI	0.24	81		6	02H	0.04	0.36		02H	02H
9	8	MAI	0.57	97		6	01H	-0.04	0.53		01H	01H
9	9	DSI	1.15	37		P1	01H	0.00			TEH	TEC
9	14	DSI	0.77	41		P1	01H	0.00			TEH	TEC
9	14	MAI	0.34	75		6	01H	0.02	0.43		01H	01H
9	15	DSI	0.27	69		P1	01H	-0.06			TEH	TEC
9	31	SAI	0.14	73		6	TSH	0.50	0.28		TSH	TSH
9	31	SAI	0.11	63		6	TSH	1.11	0.31		TSH	TSH
9	31	NQI	0.18	105		P1	TSH	1.05			TEH	TEC
9	32	SAI	0.14	89		6	TSH	0.62	0.37		TSH	TSH
9	35	DSI	0.83	22		P1	01H	0.03			TEH	TEC
9	39	DSI	0.50	46		P1	01H	0.03			TEH	TEC
9	39	DSI	0.26	41		P1	06H	-0.03			TEH	TEC
9	76	DSI	0.51	97		P1	06H	-0.06			TEH	TEC
9	79	DSI	0.50	22		P1	03H	0.06			TEH	TEC
9	79	DSI	0.30	27		P1	05H	0.14			TEH	TEC
9	85	DSI	0.70	34		P1	03H	0.03			TEH	TEC
9	85	SAI	0.20	82		6	03H	-0.03	0.38		03H	03H
9	86	DSI	0.23	78		P1	02H	0.08			TEH	TEC
9	88	DSI	0.21	91		P1	06H	0.03			TEH	TEC
9	93	PCT	2.15	124	16	P1	01C	-0.03			TEH	TEC
10	2	PCT	0.53	146	0	P1	03C	0.11			TEH	TEC
10	3	DSI	0.51	62		P1	01H	0.08			TEH	TEC
10	5	DSI	0.68	27		P1	01H	0.06			TEH	TEC
10	9	DSI	0.57	30		P1	01H	0.00			TEH	TEC
10	9	SAI	0.19	102		6	01H	0.04	0.32		01H	01H
10	27	SAI	0.11	100		6	TSH	0.83	0.16		TSH	TSH
10	49	DSI	0.67	106		P1	01H	-0.14			07H	TEH
10	54	DSI	1.08	78		P1	01H	0.03			07H	TEH
10	55	DSI	1.59	86		P1	01H	0.17			TEH	TEC
10	55	MAI	0.53	106		6	01H	0.10	0.63		01H	01H
10	56	DSI	1.41	54		P1	01H	0.17			TEH	TEC
10	56	DSI	0.99	77		P1	02H	-0.23			TEH	TEC
10	56	MAI	0.35	84		6	01H	0.10	0.47		01H	01H
10	58	DSI	1.33	53		P1	01H	0.22			TEH	TEC
10	58	MAI	0.41	77		6	01H	-0.10	0.56		01H	01H
10	61	DSI	0.19	56		P1	01H	0.00			TEH	TEC
10	62	DSI	0.90	65		P1	01H	0.14			TEH	TEC
10	62	DSI	1.10	56		P1	02H	0.03			TEH	TEC
10	62	DSI	0.44	55		P1	03H	0.03			TEH	TEC
10	65	DSI	1.74	88		P1	01H	0.03			TEH	TEC
10	65	DSI	0.49	111		P1	02H	-0.03			TEH	TEC
10	65	SAI	1.17	82		6	01H	-0.03	0.46		01H	01H
10	66	DSI	2.23	62		P1	01H	0.11			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
10	66	MAI	0.65	96		6	01H	0.06	0.53		01H	01H
10	67	DSI	0.69	72		P1	01H	-0.03			TEH	TEC
10	68	DSI	1.81	103		P1	01H	0.00			TEH	TEC
10	68	MAI	0.88	94		6	01H	-0.02	0.58		01H	01H
10	69	DSI	1.07	58		P1	01H	0.08			TEH	TEC
10	69	DSI	1.14	41		P1	02H	0.03			TEH	TEC
10	69	MAI	0.32	102		6	02H	-0.17	0.45		02H	02H
10	70	DSI	0.53	105		P1	02H	0.17			TEH	TEC
10	71	DSI	0.66	41		P1	01H	0.09			TEH	TEC
11	26	SAI	0.19	104		6	TSH	0.44	0.32		TSH	TSH
11	44	SAI	0.21	124		6	TSH	0.25	0.21		TSH	TSH
11	72	DSI	0.25	42		P1	06H	0.06			TEH	TEC
11	93	DSI	0.44	128		P1	01H	0.14			TEH	TEC
12	25	SAI	0.17	83		6	TSH	0.69	0.28		TSH	TSH
12	26	MAI	0.13	82		6	TSH	0.43	0.44		TSH	TSH
12	44	NQI	0.17	98		P1	TSH	0.73			07H	TEH
12	50	DSI	0.74	47		P1	01H	0.08			07H	TEH
12	50	SAI	0.22	104		6	01H	0.10	0.31		01H	01H
12	84	DSI	0.24	123		P1	02H	0.08			TEH	TEC
12	92	PCT	0.27	150	0	P1	01C	0.00			TEH	TEC
12	93	PCT	1.20	122	20	P1	01C	0.00			TEH	TEC
13	25	MAI	0.26	111		6	TSH	0.34	0.31		TSH	TSH
13	44	MAI	0.18	86		6	TSH	0.89	0.21		TSH	TSH
13	44	NQI	0.28	97		P1	TSH	0.71			TEH	TEC
13	47	DSI	0.93	56		P1	01H	0.09			TEH	TEC
13	52	DSI	0.27	88		P1	06H	-0.03			TEH	TEC
13	60	DSI	0.53	83		P1	01H	0.03			TEH	TEC
13	63	DSI	0.51	48		P1	01H	0.03			TEH	TEC
13	63	SAI	0.22	86		6	01H	-0.06	0.43		01H	01H
13	92	PCT	0.70	126	2	P1	01C	0.03			TEH	TEC
13	92	DSI	0.53	142		P1	01H	0.12			TEH	TEC
14	12	DSI	0.43	39		P1	01H	0.17			TEH	TEC
14	12	MAI	0.25	69		6	01H	-0.04	0.26		01H	01H
14	69	DSI	0.30	131		P1	03H	0.03			TEH	TEC
14	92	DSI	0.76	130		P1	01H	0.06			TEH	TEC
15	4	PCT	0.58	125	0	P1	02C	0.09			TEH	TEC
15	8	DSI	0.94	61		P1	01H	0.06			TEH	TEC
15	8	DSI	1.05	46		P1	02H	0.00			TEH	TEC
15	8	MAI	0.30	87		6	02H	0.08	0.38		02H	02H
15	16	DSI	0.39	66		P1	01H	-0.03			TEH	TEC
15	52	DSI	1.24	61		P1	01H	0.00			TEH	TEC
15	52	DSI	1.61	69		P1	02H	0.14			TEH	TEC
15	52	DSI	0.60	128		P1	03H	0.17			TEH	TEC
15	52	DSI	0.58	118		P1	04H	-0.26			TEH	TEC
15	52	DSI	0.71	122		P1	05H	-0.14			TEH	TEC
15	52	SAI	0.19	109		6	02H	0.00	0.28		02H	02H
15	53	DSI	1.28	71		P1	01H	0.14			TEH	TEC
15	53	DSI	0.57	85		P1	02H	0.09			TEH	TEC
15	53	DSI	1.33	79		P1	03H	-0.23			TEH	TEC
15	53	SAI	0.13	99		6	TSH	0.48	0.21		TSH	TSH
15	53	MAI	0.29	106		6	01H	0.01	0.25		01H	01H
15	56	DSI	0.90	80		P1	01H	0.14			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
15	56	DSI	1.32	101		P1	02H	-0.06			TEH	TEC
15	56	DSI	0.97	113		P1	04H	-0.17			TEH	TEC
15	56	SAI	0.59	83		6	02H	-0.08	0.50		02H	02H
15	58	DSI	0.74	69		P1	01H	0.11			TEH	TEC
15	58	DSI	0.87	132		P1	02H	-0.14			TEH	TEC
15	58	DSI	0.30	80		P1	03H	0.03			TEH	TEC
15	58	DSI	0.64	110		P1	04H	-0.20			TEH	TEC
15	63	DSI	1.60	88		P1	01H	0.03			TEH	TEC
15	63	DSI	1.53	67		P1	02H	-0.11			TEH	TEC
15	63	DSI	0.87	93		P1	03H	0.14			TEH	TEC
15	63	DSI	0.74	84		P1	04H	-0.19			TEH	TEC
15	63	SAI	0.21	95		6	01H	0.10	0.41		01H	01H
15	63	MAI	0.29	112		6	02H	0.05	0.48		02H	02H
15	90	DSI	0.21	105		P1	03H	0.00			TEH	TEC
15	91	PCT	1.80	116	30	P1	01C	-0.03			TEH	TEC
15	91	VOL	0.90	89		6	01C	-0.03			01C	01C
16	4	PCT	0.85	116	25	P1	02C	0.09			TEH	TEC
16	4	VOL	0.47	104		P2	02C	0.06			02C	02C
16	17	DSI	0.15	53		P1	04H	0.09			TEH	TEC
16	39	NQI	0.57	45		P1	TSH	1.01			TEH	TEC
16	39	SAI	0.25	78		6	TSH	0.83	0.19		TSH	TSH
16	50	DSI	0.26	50		P1	02H	0.06			TEH	TEC
16	50	SAI	0.11	69		6	02H	0.09	0.24		02H	02H
16	51	DSI	0.74	65		P1	01H	0.06			TEH	TEC
16	51	DSI	0.29	59		P1	02H	0.00			TEH	TEC
16	90	PCT	1.68	120	16	P1	01C	-0.06			TEH	TEC
16	90	VOL	0.56	104		6	01C	-0.07			01C	01C
17	7	DSI	1.16	17		P1	01H	0.06			TEH	TEC
17	8	DSI	0.81	24		P1	02H	0.06			TEH	TEC
17	10	DSI	1.07	105		P1	01H	0.03			TEH	TEC
17	10	DSI	0.65	61		P1	03H	0.00			TEH	TEC
17	12	DSI	0.63	81		P1	02H	-0.11			TEH	TEC
17	14	DSI	0.46	24		P1	01H	0.08			TEH	TEC
17	14	SAI	0.22	104		6	01H	0.07	0.36		01H	01H
17	15	DSI	0.46	34		P1	01H	0.03			TEH	TEC
17	15	MAI	0.14	77		6	01H	0.03	0.32		01H	01H
17	16	DSI	0.96	32		P1	01H	0.03			TEH	TEC
17	16	SAI	0.22	91		6	01H	0.00	0.41		01H	01H
17	17	DSI	0.52	41		P1	01H	0.00			TEH	TEC
17	17	DSI	0.67	84		P1	02H	-0.20			TEH	TEC
17	17	DSI	0.97	32		P1	03H	0.00			TEH	TEC
17	17	SAI	0.20	80		6	01H	-0.03	0.23		01H	01H
17	18	DSI	0.73	40		P1	01H	0.03			TEH	TEC
17	18	MAI	0.20	125		6	01H	-0.11	0.24		01H	01H
17	20	DSI	0.28	126		P1	05H	-0.06			TEH	TEC
17	32	NQI	0.29	112		P1	TSH	1.73			TEH	TEC
17	48	DSI	1.05	35		P1	01H	0.09			TEH	TEC
17	48	SAI	0.30	78		6	01H	0.08	0.43		01H	01H
17	49	DSI	0.87	30		P1	01H	0.11			TEH	TEC
17	50	DSI	0.54	117		P1	01H	-0.23			TEH	TEC
17	54	DSI	0.16	120		P1	04H	0.06			TEH	TEC
17	80	DSI	0.94	109		P1	01H	-0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
17	81	DSI	0.29	70		P1	02H	0.06			TEH	TEC
17	82	DSI	0.38	38		P1	02H	0.06			TEH	TEC
17	84	DSI	0.51	39		P1	02H	0.00			TEH	TEC
17	84	DSI	0.33	131		P1	05H	0.20			TEH	TEC
17	84	SAI	0.24	109		6	02H	0.09	0.41		02H	02H
17	85	DSI	0.68	106		P1	02H	-0.14			TEH	TEC
17	89	PCT	1.21	126	12	P1	01C	-0.17			TEH	TEC
17	89	DSI	0.50	43		P1	02H	0.03			TEH	TEC
18	19	DSI	0.96	58		P1	01H	-0.03			TEH	TEC
18	19	DSI	1.09	74		P1	02H	-0.11			TEH	TEC
18	19	DSI	0.81	111		P1	03H	-0.09			TEH	TEC
18	22	DSI	1.12	83		P1	01H	0.00			TEH	TEC
18	43	DSI	0.36	51		P1	01H	0.06			TEH	TEC
18	43	DSI	0.92	88		P1	02H	-0.20			TEH	TEC
18	43	DSI	0.62	129		P1	03H	-0.11			TEH	TEC
18	43	DSI	0.59	95		P1	04H	-0.23			TEH	TEC
18	44	DSI	0.85	118		P1	01H	-0.17			TEH	TEC
18	44	DSI	0.51	65		P1	02H	0.03			TEH	TEC
18	44	DSI	0.90	79		P1	03H	-0.25			TEH	TEC
18	44	DSI	0.46	85		P1	04H	-0.26			TEH	TEC
18	51	DSI	0.43	53		P1	02H	0.06			TEH	TEC
18	51	SAI	0.45	101		6	02H	0.03	0.43		02H	02H
18	71	DSI	0.77	56		P1	01H	0.06			TEH	TEC
18	71	DSI	0.44	102		P1	03H	-0.25			TEH	TEC
18	73	DSI	0.73	58		P1	02H	-0.03			TEH	TEC
18	73	DSI	0.63	84		P1	05H	0.00			TEH	TEC
18	73	DSI	0.88	111		P1	06H	0.24			TEH	TEC
18	80	DSI	0.82	125		P1	02H	-0.06			TEH	TEC
19	6	DSI	0.74	87		P1	01H	0.12			TEH	TEC
19	47	DSI	0.44	16		P1	01H	0.06			TEH	TEC
19	65	DSI	0.25	166		P1	05H	0.08			TEH	TEC
19	90	PCT	0.86	133	0	P1	01C	-0.17			TEH	TEC
20	17	SVI	0.11	73		6	TSH	1.07	0.24	53	TSH	TSH
20	44	DSI	1.24	134		P1	01H	-0.14			TEH	TEC
20	44	DSI	1.28	70		P1	02H	-0.23			TEH	TEC
20	44	SAI	0.21	122		6	02H	0.00	0.38		02H	02H
20	71	DSI	0.62	40		P1	02H	0.03			TEH	TEC
20	71	MAI	0.15	68		6	02H	-0.05	0.33		02H	02H
20	72	DSI	0.58	81		P1	01H	0.06			TEH	TEC
20	72	DSI	1.02	57		P1	02H	0.06			TEH	TEC
20	73	DSI	0.80	126		P1	01H	-0.03			TEH	TEC
20	73	DSI	0.83	139		P1	03H	0.11			TEH	TEC
20	73	DSI	0.64	117		P1	06H	-0.03			TEH	TEC
20	75	DSI	1.20	75		P1	01H	0.23			TEH	TEC
20	85	DSI	0.68	84		P1	01H	0.14			TEH	TEC
21	17	SVI	0.11	82		6	TSH	0.91	0.32	50	TSH	TSH
21	22	DSI	1.88	82		P1	01H	0.00			TEH	TEC
21	22	DSI	1.30	110		P1	02H	0.22			TEH	TEC
21	22	MAI	0.80	86		6	01H	-0.03	0.38		01H	01H
21	22	MAI	0.42	74		6	02H	0.13	0.41		02H	02H
21	39	DSI	0.57	26		P1	01H	0.08			TEH	TEC
21	39	SAI	0.31	103		6	01H	-0.10	0.41		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
21	42	DSI	0.52	44		P1	01H	0.06			TEH	TEC
21	42	SAI	0.16	95		6	01H	-0.06	0.29		01H	01H
21	88	PCT	0.55	137	0	P1	01C	-0.17			TEH	TEC
22	9	DSI	0.76	99		P1	01H	-0.06			TEH	TEC
22	87	PCT	0.48	128	0	P1	01C	-0.09			TEH	TEC
23	9	DSI	0.68	103		P1	01H	0.12			TEH	TEC
23	9	DSI	0.99	126		P1	02H	0.18			TEH	TEC
23	9	MAI	0.48	105		6	01H	0.10	0.36		01H	01H
23	9	SAI	0.56	95		6	02H	0.13	0.33		02H	02H
23	12	DSI	1.71	79		P1	01H	0.00			TEH	TEC
23	12	MAI	0.65	89		6	01H	-0.10	0.48		01H	01H
23	15	DSI	2.00	97		P1	01H	0.09			TEH	TEC
23	15	DSI	1.42	112		P1	02H	0.03			TEH	TEC
23	15	DSI	0.83	129		P1	03H	0.11			TEH	TEC
23	15	MAI	0.81	91		6	01H	0.15	0.63		01H	01H
23	15	SAI	0.79	98		6	02H	0.01	0.50		02H	02H
23	25	DSI	0.85	48		P1	01H	0.11			TEH	TEC
23	25	DSI	0.48	37		P1	02H	0.00			TEH	TEC
23	25	MAI	0.50	100		6	01H	0.09	0.60		01H	01H
23	25	SAI	0.39	106		6	02H	0.03	0.57		02H	02H
23	25	SAI	0.39	104		6	02H	0.05	0.55		02H	02H
23	26	DSI	0.37	79		P1	01H	-0.03			TEH	TEC
23	26	DSI	0.33	151		P1	02H	-0.08			TEH	TEC
23	27	DSI	0.83	100		P1	01H	-0.03			TEH	TEC
23	27	DSI	0.59	137		P1	03H	0.06			TEH	TEC
23	27	SAI	0.12	106		6	TSH	0.27	0.24		TSH	TSH
23	31	DSI	0.87	98		P1	01H	0.03			TEH	TEC
23	32	DSI	0.95	73		P1	01H	0.03			TEH	TEC
23	36	DSI	0.87	41		P1	01H	0.11			TEH	TEC
23	36	DSI	0.47	137		P1	02H	0.14			TEH	TEC
23	36	SAI	0.45	107		6	01H	0.12	0.45		01H	01H
23	38	DSI	0.47	59		P1	01H	0.09			TEH	TEC
23	38	DSI	0.59	43		P1	02H	0.03			TEH	TEC
23	38	MAI	0.42	104		6	02H	-0.01	0.41		02H	02H
23	39	DSI	0.46	42		P1	02H	0.00			TEH	TEC
23	39	SAI	0.34	81		6	02H	-0.02	0.36		02H	02H
23	42	DSI	0.37	75		P1	01H	0.11			TEH	TEC
23	42	DSI	0.46	25		P1	02H	0.06			TEH	TEC
23	42	SAI	0.26	121		6	02H	-0.13	0.36		02H	02H
23	50	DSI	1.16	91		P1	01H	0.06			TEH	TEC
23	50	DSI	1.27	128		P1	02H	-0.14			TEH	TEC
23	57	DSI	0.37	64		P1	02H	0.08			TEH	TEC
23	61	DSI	0.34	56		P1	02H	0.08			TEH	TEC
23	62	DSI	0.36	84		P1	01H	0.03			TEH	TEC
23	65	DSI	0.87	156		P1	01H	-0.05			TEH	TEC
23	65	DSI	1.36	90		P1	02H	-0.14			TEH	TEC
23	65	MAI	0.39	95		6	02H	-0.17	0.56		02H	02H
23	66	DSI	0.45	39		P1	01H	0.08			TEH	TEC
23	66	MAI	0.13	96		6	01H	0.08	0.41		01H	01H
23	70	DSI	0.77	56		P1	01H	0.03			TEH	TEC
23	71	DSI	1.32	94		P1	01H	0.11			TEH	TEC
23	71	DSI	0.65	66		P1	02H	0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
23	71	MAI	0.55	89		6	01H	0.15	0.53		01H	01H
23	73	DSI	0.87	111		P1	01H	0.09			TEH	TEC
23	73	DSI	0.55	65		P1	02H	0.06			TEH	TEC
23	74	DSI	0.43	51		P1	01H	0.03			TEH	TEC
23	74	SAI	0.24	100		6	01H	0.10	0.48		01H	01H
23	77	DSI	1.01	106		P1	01H	0.06			TEH	TEC
23	77	DSI	0.68	47		P1	02H	0.08			TEH	TEC
23	86	PCT	0.78	134	0	P1	01C	0.14			TEH	TEC
24	8	DSI	0.49	93		P1	01H	0.15			TEH	TEC
24	10	DSI	1.46	103		P1	01H	-0.11			TEH	TEC
24	10	DSI	0.27	79		P1	03H	0.03			TEH	TEC
24	10	MAI	0.60	91		6	01H	-0.01	0.51		01H	01H
24	13	DSI	1.31	93		P1	01H	-0.14			TEH	TEC
24	13	MAI	0.34	85		6	01H	-0.11	0.46		01H	01H
24	16	DSI	0.46	60		P1	02H	-0.08			TEH	TEC
24	18	DSI	0.27	22		P1	02H	0.00			TEH	TEC
24	21	DSI	0.71	125		P1	01H	0.00			TEH	TEC
24	21	DSI	0.75	49		P1	02H	-0.06			TEH	TEC
24	21	MAI	0.32	117		6	02H	-0.04	0.32		02H	02H
24	22	DSI	0.74	64		P1	02H	-0.08			TEH	TEC
24	25	PCT	1.55	0	22	P2	AV3	-0.44			TEH	TEC
24	27	PCT	2.41	0	28	P2	AV2	0.28			TEH	TEC
24	27	PCT	0.97	0	16	P2	AV3	0.28			TEH	TEC
24	31	DSI	0.68	87		P1	01H	0.00			TEH	TEC
24	31	DSI	0.85	115		P1	02H	-0.14			TEH	TEC
24	35	DSI	0.40	30		P1	01H	0.09			TEH	TEC
24	35	SAI	0.30	96		6	01H	0.04	0.26		01H	01H
24	36	DSI	0.61	20		P1	01H	0.03			TEH	TEC
24	36	SAI	0.28	91		6	01H	-0.05	0.33		01H	01H
24	37	DSI	0.58	26		P1	02H	0.03			TEH	TEC
24	37	MAI	0.25	89		6	02H	0.09	0.43		02H	02H
24	40	DSI	0.68	28		P1	01H	0.09			TEH	TEC
24	40	MAI	0.23	113		6	01H	0.00	0.41		01H	01H
24	42	DSI	0.47	29		P1	01H	0.06			TEH	TEC
24	42	MAI	0.27	98		6	01H	-0.10	0.41		01H	01H
24	43	DSI	1.20	103		P1	01H	-0.03			TEH	TEC
24	43	DSI	0.86	63		P1	03H	0.06			TEH	TEC
24	45	DSI	0.45	46		P1	01H	0.03			TEH	TEC
24	45	MAI	0.26	114		6	01H	0.00	0.46		01H	01H
24	47	DSI	0.44	26		P1	01H	0.03			TEH	TEC
24	47	SAI	0.52	104		6	01H	-0.09	0.60		01H	01H
24	59	DSI	0.81	91		P1	01H	0.19			TEH	TEC
24	62	DSI	0.82	98		P1	01H	0.00			TEH	TEC
24	65	DSI	0.93	111		P1	01H	0.06			TEH	TEC
24	65	DSI	0.32	70		P1	02H	0.06			TEH	TEC
24	69	DSI	0.56	110		P1	01H	0.00			TEH	TEC
24	69	DSI	0.74	79		P1	02H	0.06			TEH	TEC
24	72	DSI	1.95	92		P1	01H	0.26			TEH	TEC
24	72	DSI	0.90	60		P1	02H	0.03			TEH	TEC
24	72	MAI	0.55	97		6	01H	0.07	0.56		01H	01H
24	74	DSI	1.31	123		P1	02H	0.06			TEH	TEC
24	74	SAI	0.58	97		6	02H	0.21	0.55		02H	02H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
24	79	DSI	0.75	67		P1	01H	0.06			TEH	TEC
24	86	PCT	1.10	130	0	P1	01C	-0.14			TEH	TEC
25	9	PCT	0.99	0	15	P2	AV2	-0.06			TEH	TEC
25	9	PCT	1.11	0	16	P2	AV3	0.00			TEH	TEC
25	10	DSI	1.20	93		P1	01H	0.03			TEH	TEC
25	12	DSI	1.72	105		P1	01H	-0.11			TEH	TEC
25	12	DSI	1.08	100		P1	02H	-0.11			TEH	TEC
25	12	DSI	0.23	40		P1	05H	0.03			TEH	TEC
25	12	SAI	0.21	89		6	05H	-0.13	0.21		05H	05H
25	12	MAI	0.69	93		6	01H	-0.14	0.30		01H	01H
25	13	DSI	0.19	46		P1	01H	0.03			TEH	TEC
25	13	SAI	0.16	83		6	01H	-0.02	0.26		01H	01H
25	14	DSI	0.51	78		P1	01H	-0.05			TEH	TEC
25	14	DSI	0.36	67		P1	02H	0.03			TEH	TEC
25	17	DSI	0.54	64		P1	01H	0.03			TEH	TEC
25	17	DSI	0.43	32		P1	02H	0.03			TEH	TEC
25	17	SAI	0.33	108		6	02H	0.00	0.36		02H	02H
25	18	DSI	0.51	61		P1	01H	-0.03			TEH	TEC
25	22	DSI	1.36	113		P1	01H	-0.08			TEH	TEC
25	22	MAI	0.64	102		6	01H	-0.08	0.51		01H	01H
25	25	DSI	0.90	85		P1	01H	0.09			TEH	TEC
25	26	DSI	0.97	81		P1	01H	0.08			TEH	TEC
25	29	DSI	0.51	82		P1	01H	-0.06			TEH	TEC
25	30	DSI	0.61	54		P1	01H	0.14			TEH	TEC
25	30	MAI	0.54	101		6	01H	0.00	0.61		01H	01H
25	32	DSI	1.25	117		P1	01H	0.00			TEH	TEC
25	36	DSI	0.39	34		P1	01H	0.06			TEH	TEC
25	36	SAI	0.31	98		6	01H	-0.06	0.26		01H	01H
25	38	DSI	1.13	55		P1	01H	0.03			TEH	TEC
25	38	MAI	0.45	100		6	01H	-0.04	0.38		01H	01H
25	41	DSI	0.53	46		P1	01H	-0.06			TEH	TEC
25	41	MAI	0.28	107		6	01H	0.08	0.41		01H	01H
25	44	DSI	0.48	45		P1	02H	-0.06			TEH	TEC
25	44	MAI	0.18	92		6	02H	0.00	0.53		02H	02H
25	45	DSI	0.65	68		P1	01H	0.06			TEH	TEC
25	45	DSI	0.30	138		P1	02H	-0.03			TEH	TEC
25	46	DSI	0.38	115		P1	02H	-0.25			TEH	TEC
25	46	DSI	0.86	57		P1	03H	0.00			TEH	TEC
25	47	DSI	0.69	88		P1	02H	-0.11			TEH	TEC
25	47	SPR	1.54	130		P1	01H	-0.03			TEH	TEC
25	47	SAI	0.29	121		6	01H	-0.10	0.74		01H	01H
25	51	DSI	0.61	53		P1	01H	0.06			TEH	TEC
25	51	MAI	0.50	103		6	01H	0.07	0.75		01H	01H
25	60	DSI	0.57	57		P1	01H	0.06			TEH	TEC
25	64	DSI	0.87	28		P1	02H	0.00			TEH	TEC
25	64	DSI	0.56	141		P1	03H	0.00			TEH	TEC
25	64	SAI	0.35	96		6	02H	-0.02	0.50		02H	02H
25	68	DSI	0.80	128		P1	01H	0.00			TEH	TEC
25	68	DSI	0.55	72		P1	02H	0.08			TEH	TEC
25	68	DSI	0.29	40		P1	03H	0.06			TEH	TEC
25	68	SAI	0.15	106		6	03H	0.09	0.43		03H	03H
25	69	DSI	0.92	95		P1	01H	0.09			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
25	69	DSI	0.87	149		P1	02H	-0.14			TEH	TEC
25	86	PCT	1.48	122	14	P1	01C	-0.09			TEH	TEC
25	86	DSI	0.47	139		P1	01H	0.20			TEH	TEC
25	86	PCT	0.93	0	15	P2	AV3	0.14			TEH	TEC
26	9	DSI	0.52	95		P1	01H	0.06			TEH	TEC
26	9	DSI	0.28	68		P1	02H	0.12			TEH	TEC
26	11	DSI	0.35	75		P1	01H	0.06			TEH	TEC
26	14	DSI	0.63	66		P1	01H	0.00			TEH	TEC
26	18	DSI	0.43	53		P1	02H	0.06			TEH	TEC
26	18	MAI	0.39	99		6	02H	0.07	0.61		02H	02H
26	19	DSI	1.52	97		P1	01H	-0.06			TEH	TEC
26	19	DSI	0.44	46		P1	02H	0.06			TEH	TEC
26	19	MAI	0.48	98		6	02H	-0.01	0.47		02H	02H
26	19	MAI	0.62	91		6	01H	-0.10	0.53		01H	01H
26	20	DSI	2.03	103		P1	01H	0.03			TEH	TEC
26	20	DSI	0.92	96		P1	02H	0.06			TEH	TEC
26	20	MAI	1.00	99		6	01H	0.01	0.56		01H	01H
26	22	DSI	0.77	63		P1	02H	0.03			TEH	TEC
26	23	DSI	1.51	89		P1	01H	0.06			TEH	TEC
26	23	MAI	0.95	89		6	01H	0.00	0.58		01H	01H
26	24	DSI	0.64	55		P1	01H	0.08			TEH	TEC
26	24	MAI	0.49	98		6	01H	0.05	0.50		01H	01H
26	25	DSI	1.96	95		P1	01H	-0.14			TEH	TEC
26	25	DSI	0.92	80		P1	02H	-0.06			TEH	TEC
26	25	MAI	0.56	89		6	01H	0.07	0.51		01H	01H
26	26	DSI	2.07	92		P1	01H	0.11			TEH	TEC
26	26	DSI	0.59	53		P1	02H	0.00			TEH	TEC
26	26	DSI	0.58	58		P1	03H	0.03			TEH	TEC
26	26	MAI	0.54	97		6	01H	0.06	0.56		01H	01H
26	26	SAI	0.27	102		6	02H	-0.08	0.29		02H	02H
26	29	DSI	0.92	62		P1	01H	0.03			TEH	TEC
26	31	DSI	0.91	125		P1	01H	-0.06			TEH	TEC
26	31	DSI	0.37	57		P1	02H	-0.03			TEH	TEC
26	32	DSI	1.22	59		P1	01H	0.08			TEH	TEC
26	32	DSI	0.16	21		P1	02H	0.06			TEH	TEC
26	32	SAI	0.48	78		6	02H	0.00	0.66		02H	02H
26	33	DSI	0.98	119		P1	01H	-0.03			TEH	TEC
26	33	DSI	1.18	81		P1	02H	-0.03			TEH	TEC
26	33	DSI	0.35	74		P1	03H	-0.03			TEH	TEC
26	33	DSI	0.81	110		P1	04H	-0.14			TEH	TEC
26	34	DSI	1.56	109		P1	01H	-0.03			TEH	TEC
26	34	DSI	0.61	89		P1	02H	0.00			TEH	TEC
26	34	DSI	0.75	68		P1	03H	0.00			TEH	TEC
26	34	DSI	0.64	122		P1	04H	-0.11			TEH	TEC
26	34	MAI	0.69	102		6	01H	0.07	0.61		01H	01H
26	35	DSI	0.34	47		P1	01H	0.03			TEH	TEC
26	35	DSI	1.09	68		P1	02H	0.00			TEH	TEC
26	35	DSI	0.53	51		P1	03H	-0.06			TEH	TEC
26	35	MAI	0.33	107		6	01H	-0.06	0.38		01H	01H
26	35	MAI	0.19	135		6	03H	-0.04	0.31		03H	03H
26	36	DSI	0.76	42		P1	01H	0.08			TEH	TEC
26	36	DSI	1.10	69		P1	02H	-0.06			TEH	TEC

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26	36	DSI	0.36	37		P1	03H	0.03			TEH	TEC
26	36	MAI	0.41	101		6	01H	0.11	0.36		01H	01H
26	36	MAI	0.15	99		6	03H	-0.04	0.38		03H	03H
26	37	DSI	0.75	58		P1	02H	0.08			TEH	TEC
26	40	DSI	0.79	37		P1	01H	0.14			TEH	TEC
26	40	DSI	0.50	57		P1	02H	0.06			TEH	TEC
26	40	MAI	0.23	80		6	01H	0.09	0.43		01H	01H
26	46	DSI	0.55	72		P1	01H	0.06			TEH	TEC
26	46	DSI	0.76	86		P1	02H	0.22			TEH	TEC
26	47	SPR	1.58	129		P1	01H	0.14			TEH	TEC
26	47	MAI	0.22	120		6	01H	0.09	0.53		01H	01H
26	49	DSI	1.89	103		P1	01H	0.17			TEH	TEC
26	49	DSI	0.27	98		P1	02H	0.06			TEH	TEC
26	49	MAI	0.40	100		6	01H	0.14	0.50		01H	01H
26	51	DSI	0.97	62		P1	01H	0.03			TEH	TEC
26	59	DSI	0.50	63		P1	01H	0.00			TEH	TEC
26	60	DSI	1.16	109		P1	01H	0.05			TEH	TEC
26	60	DSI	0.32	84		P1	02H	0.00			TEH	TEC
26	67	DSI	0.79	80		P1	01H	0.06			TEH	TEC
26	67	DSI	0.80	40		P1	02H	0.06			TEH	TEC
26	67	SAI	0.27	102		6	02H	-0.01	0.74		02H	02H
26	70	DSI	0.49	143		P1	01H	0.11			TEH	TEC
26	70	DSI	0.52	72		P1	02H	0.06			TEH	TEC
26	72	DSI	0.44	26		P1	02H	0.03			TEH	TEC
26	72	MAI	0.16	126		6	02H	0.03	0.43		02H	02H
26	73	DSI	0.44	95		P1	01H	0.03			TEH	TEC
26	74	DSI	0.60	95		P1	01H	0.09			TEH	TEC
26	84	PCT	0.97	143	0	P1	01C	-0.14			TEH	TEC
26	86	PCT	1.71	132	0	P1	01C	-0.20			TEH	TEC
27	10	PCT	1.09	0	16	P2	AV2	0.00			TEH	TEC
27	18	DSI	2.22	95		P1	01H	0.00			TEH	TEC
27	18	DSI	0.92	85		P1	02H	-0.20			TEH	TEC
27	18	MAI	0.53	88		6	01H	-0.01	0.60		01H	01H
27	19	DSI	1.22	27		P1	01H	0.03			TEH	TEC
27	19	SPR	1.70	162		P1	04H	0.06			TEH	TEC
27	19	MAI	0.60	104		6	01H	-0.06	0.54		01H	01H
27	19	SAI	0.15	83		6	04H	-0.16	0.23		04H	04H
27	21	DSI	0.83	63		P1	01H	0.06			TEH	TEC
27	21	DSI	0.83	52		P1	02H	-0.03			TEH	TEC
27	21	MAI	0.47	85		6	02H	-0.02	0.38		02H	02H
27	24	DSI	0.32	44		P1	01H	0.03			TEH	TEC
27	24	SAI	0.19	85		6	01H	-0.05	0.20		01H	01H
27	26	PCT	1.00	0	15	P2	AV1	0.17			TEH	TEC
27	26	PCT	0.94	0	14	P2	AV2	-0.84			TEH	TEC
27	26	PCT	2.54	0	27	P2	AV2	0.90			TEH	TEC
27	26	PCT	1.09	0	16	P2	AV3	-0.93			TEH	TEC
27	26	PCT	1.44	0	19	P2	AV4	-0.25			TEH	TEC
27	27	DSI	0.99	47		P1	01H	-0.03			TEH	TEC
27	27	MAI	0.44	95		6	01H	-0.05	0.58		01H	01H
27	28	DSI	0.66	29		P1	02H	0.00			TEH	TEC
27	28	MAI	0.17	71		6	02H	0.01	0.38	55	02H	02H
27	33	DSI	0.43	47		P1	01H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
27	33	SAI	0.37	108		6	01H	0.01	0.36		01H	01H
27	37	DSI	0.45	34		P1	02H	0.03			TEH	TEC
27	37	SAI	0.30	96		6	02H	-0.13	0.26		02H	02H
27	38	DSI	0.30	49		P1	03H	0.06			TEH	TEC
27	39	DSI	0.63	49		P1	01H	0.11			TEH	TEC
27	39	DSI	0.55	83		P1	02H	-0.03			TEH	TEC
27	39	MAI	0.28	107		6	01H	0.06	0.45		01H	01H
27	42	DSI	0.77	39		P1	01H	0.03			TEH	TEC
27	42	MAI	0.40	93		6	01H	0.02	0.40		01H	01H
27	44	DSI	0.95	63		P1	01H	-0.03			TEH	TEC
27	44	DSI	0.44	43		P1	02H	-0.03			TEH	TEC
27	44	SAI	0.14	76		6	02H	0.19	0.37		02H	02H
27	45	DSI	0.99	91		P1	01H	0.06			TEH	TEC
27	45	DSI	1.37	79		P1	02H	-0.14			TEH	TEC
27	45	MAI	0.26	93		6	02H	0.04	0.55		02H	02H
27	47	DSI	2.03	104		P1	01H	0.11			TEH	TEC
27	47	MAI	0.61	103		6	01H	-0.01	0.55		01H	01H
27	50	DSI	0.33	101		P1	01H	-0.05			TEH	TEC
27	50	DSI	0.84	62		P1	02H	0.06			TEH	TEC
27	62	DSI	0.51	59		P1	02H	0.00			TEH	TEC
27	63	DSI	0.24	43		P1	01H	0.08			TEH	TEC
27	63	DSI	0.71	93		P1	02H	-0.03			TEH	TEC
27	63	MAI	0.20	120		6	01H	-0.02	0.49		01H	01H
27	73	DSI	0.89	155		P1	01H	0.11			TEH	TEC
27	75	DSI	0.64	47		P1	02H	0.00			TEH	TEC
27	81	DSI	0.54	79		P1	01H	0.20			TEH	TEC
27	81	DSI	0.89	36		P1	02H	0.14			TEH	TEC
27	81	DSI	0.39	85		P1	05H	0.09			TEH	TEC
27	81	DSI	0.25	32		P1	06H	0.03			TEH	TEC
27	84	PCT	0.47	119	12	P1	01C	-0.06			TEH	TEC
27	84	VOL	0.44	103		P2	01C	0.00			01C	01C
28	10	DSI	0.97	106		P1	01H	-0.09			TEH	TEC
28	10	DSI	0.72	74		P1	02H	0.15			TEH	TEC
28	14	DSI	0.52	65		P1	01H	-0.03			TEH	TEC
28	16	DSI	0.73	35		P1	01H	0.03			TEH	TEC
28	16	DSI	0.39	52		P1	03H	0.03			TEH	TEC
28	16	SAI	0.47	101		6	01H	-0.04	0.31		01H	01H
28	16	MAI	0.17	94		6	03H	-0.03	0.26		03H	03H
28	23	DSI	1.52	91		P1	01H	0.11			TEH	TEC
28	23	SAI	1.15	86		6	01H	-0.02	0.58		01H	01H
28	24	DSI	0.68	69		P1	01H	0.00			TEH	TEC
28	25	DSI	1.28	121		P1	01H	0.00			TEH	TEC
28	25	MAI	1.00	93		6	01H	-0.01	0.60		01H	01H
28	28	DSI	1.26	107		P1	01H	0.06			TEH	TEC
28	28	DSI	0.38	29		P1	02H	0.08			TEH	TEC
28	31	DSI	1.97	96		P1	01H	0.00			TEH	TEC
28	31	DSI	1.06	101		P1	02H	-0.11			TEH	TEC
28	31	SAI	1.27	87		6	01H	-0.08	0.58		01H	01H
28	34	DSI	1.38	100		P1	01H	0.14			TEH	TEC
28	34	MAI	0.63	90		6	01H	-0.21	0.71		01H	01H
28	36	DSI	1.65	113		P1	01H	0.25			TEH	TEC
28	36	DSI	0.99	109		P1	02H	-0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
28	36	DSI	1.17	117		P1	03H	-0.06			TEH	TEC
28	36	SPR	1.57	126		P1	04H	0.00			TEH	TEC
28	36	SAI	0.22	100		6	04H	0.09	0.24		04H	04H
28	36	SAI	0.53	96		6	01H	0.00	0.55		01H	01H
28	37	DSI	0.23	50		P1	02H	0.03			TEH	TEC
28	41	DSI	1.57	99		P1	01H	0.11			TEH	TEC
28	41	DSI	0.54	46		P1	02H	0.11			TEH	TEC
28	41	SAI	0.42	110		6	02H	0.01	0.43		02H	02H
28	41	SAI	0.92	94		6	01H	0.06	0.63		01H	01H
28	45	DSI	0.85	26		P1	01H	0.00			TEH	TEC
28	45	MAI	0.25	93		6	01H	0.00	0.51		01H	01H
28	49	DSI	0.47	28		P1	01H	0.08			TEH	TEC
28	49	DSI	2.29	51		P1	02H	0.06			TEH	TEC
28	49	MAI	0.34	113		6	01H	-0.08	0.58		01H	01H
28	49	MAI	1.54	78		6	02H	0.03	0.66		02H	02H
28	50	DSI	0.68	97		P1	01H	0.06			TEH	TEC
28	52	DSI	0.80	90		P1	02H	0.11			TEH	TEC
28	54	DSI	0.18	30		P1	01H	0.06			TEH	TEC
28	54	SAI	0.30	59		6	01H	-0.02	0.53		01H	01H
28	55	DSI	0.78	31		P1	02H	0.00			TEH	TEC
28	55	SAI	0.27	114		6	02H	0.08	0.58		02H	02H
28	58	DSI	0.44	88		P1	01H	0.08			TEH	TEC
28	58	DSI	0.48	27		P1	02H	0.06			TEH	TEC
28	58	SAI	0.23	97		6	02H	0.02	0.53		02H	02H
28	59	DSI	0.67	34		P1	02H	-0.05			TEH	TEC
28	59	MAI	0.23	112		6	02H	-0.02	0.59		02H	02H
28	60	DSI	0.50	78		P1	01H	0.16			TEH	TEC
28	60	DSI	0.76	100		P1	02H	-0.16			TEH	TEC
28	62	DSI	0.77	48		P1	02H	0.03			TEH	TEC
28	62	DSI	1.23	83		P1	03H	-0.03			TEH	TEC
28	62	SAI	0.55	98		6	02H	0.01	0.73		02H	02H
28	68	DSI	0.37	20		P1	02H	0.03			TEH	TEC
28	68	SAI	0.11	99		6	02H	0.05	0.20		02H	02H
29	15	PCT	1.16	129	0	P1	01C	-0.20			TEH	TEC
29	15	DSI	0.37	80		P1	01H	0.06			TEH	TEC
29	22	DSI	1.37	97		P1	01H	0.03			TEH	TEC
29	22	DSI	1.45	76		P1	02H	0.03			TEH	TEC
29	22	MAI	0.56	99		6	01H	-0.06	0.38		01H	01H
29	22	MAI	0.85	91		6	02H	0.07	0.68		02H	02H
29	27	DSI	2.21	61		P1	01H	-0.03			TEH	TEC
29	27	DSI	1.32	31		P1	02H	0.08			TEH	TEC
29	27	MAI	1.38	77		6	01H	-0.01	0.70		01H	01H
29	27	MAI	0.55	98		6	02H	0.17	0.66		02H	02H
29	28	DSI	1.58	83		P1	01H	0.08			TEH	TEC
29	28	DSI	0.94	61		P1	02H	0.11			TEH	TEC
29	28	MAI	0.62	88		6	01H	0.10	0.48		01H	01H
29	29	DSI	1.21	73		P1	01H	-0.03			TEH	TEC
29	29	DSI	0.36	41		P1	02H	0.06			TEH	TEC
29	29	SAI	0.47	110		6	02H	0.00	0.63		02H	02H
29	32	DSI	0.77	37		P1	01H	0.06			TEH	TEC
29	32	DSI	0.63	88		P1	02H	-0.17			TEH	TEC
29	32	DSI	0.30	60		P1	03H	0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
29	32	SAI	0.50	89		6	01H	0.02	0.53		01H	01H
29	33	DSI	0.90	46		P1	01H	0.09			TEH	TEC
29	33	DSI	0.83	45		P1	02H	0.00			TEH	TEC
29	33	SAI	0.36	97		6	01H	0.01	0.31		01H	01H
29	33	SAI	0.44	92		6	02H	-0.06	0.38		02H	02H
29	35	DSI	0.81	35		P1	01H	0.09			TEH	TEC
29	35	DSI	0.50	41		P1	02H	-0.03			TEH	TEC
29	35	MAI	0.32	101		6	01H	0.01	0.41		01H	01H
29	35	MAI	0.28	122		6	02H	0.01	0.41		02H	02H
29	36	DSI	0.86	95		P1	01H	0.06			TEH	TEC
29	36	DSI	0.85	20		P1	05H	0.00			TEH	TEC
29	36	DSI	0.71	16		P1	06H	-0.06			TEH	TEC
29	38	DSI	0.48	52		P1	01H	0.06			TEH	TEC
29	38	MAI	0.36	87		6	01H	-0.03	0.36		01H	01H
29	40	DSI	1.01	61		P1	01H	0.08			TEH	TEC
29	41	DSI	0.65	42		P1	02H	-0.03			TEH	TEC
29	41	MAI	0.28	105		6	02H	0.01	0.38		02H	02H
29	42	DSI	0.76	131		P1	02H	0.31			TEH	TEC
29	42	DSI	0.51	70		P1	04H	0.06			TEH	TEC
29	45	DSI	0.85	107		P1	01H	0.25			TEH	TEC
29	45	DSI	0.64	80		P1	02H	0.00			TEH	TEC
29	45	SAI	0.24	54		6	TSH	0.04	0.20		TSH	TSH
29	46	PCT	2.87	45	29	P2	AV1	0.00			TEH	TEC
29	46	PCT	1.93	88	23	P2	AV2	-0.63			TEH	TEC
29	46	PCT	5.48	62	38	P2	AV2	0.55			TEH	TEC
29	46	PCT	2.02	56	24	P2	AV3	-0.36			TEH	TEC
29	46	PCT	4.57	62	36	P2	AV3	0.33			TEH	TEC
29	46	PCT	2.24	49	26	P2	AV4	0.19			TEH	TEC
29	48	DSI	0.50	76		P1	01H	0.36			TEH	TEC
29	48	DSI	0.63	69		P1	02H	0.00			TEH	TEC
29	49	DSI	1.22	104		P1	01H	0.22			TEH	TEC
29	49	DSI	1.40	95		P1	02H	-0.08			TEH	TEC
29	49	SAI	0.48	93		6	02H	-0.10	0.48		02H	02H
29	51	DSI	0.84	34		P1	02H	-0.03			TEH	TEC
29	51	SAI	0.23	96		6	02H	0.04	0.49		02H	02H
29	52	DSI	0.73	39		P1	02H	0.00			TEH	TEC
29	52	MAI	0.41	114		6	02H	-0.12	0.56		02H	02H
29	53	DSI	0.56	92		P1	01H	0.03			TEH	TEC
29	54	DSI	0.57	36		P1	01H	0.03			TEH	TEC
29	54	MAI	0.23	108		6	01H	0.01	0.36		01H	01H
29	56	DSI	0.63	123		P1	02H	-0.08			TEH	TEC
29	56	SPR	1.57	147		P1	01H	0.06			TEH	TEC
29	56	SAI	0.27	109		6	01H	-0.01	0.49		01H	01H
29	57	DSI	0.56	74		P1	01H	0.08			TEH	TEC
29	57	DSI	0.59	44		P1	02H	0.03			TEH	TEC
29	57	SAI	0.50	101		6	02H	0.01	0.64		02H	02H
29	61	DSI	0.31	44		P1	02H	0.08			TEH	TEC
29	61	SAI	0.26	110		6	02H	0.01	0.51		02H	02H
29	64	DSI	0.93	73		P1	01H	0.11			TEH	TEC
29	67	DSI	0.50	73		P1	02H	0.00			TEH	TEC
29	73	DSI	0.42	100		P1	01H	0.00			TEH	TEC
29	83	DSI	0.42	115		P1	01H	0.17			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
29	84	PCT	1.46	121	16	P1	01C	-0.09			TEH	TEC
29	84	VOL	0.46	103		P2	01C	0.06			01C	01C
30	19	SPR	1.84	151		P1	01H	0.00			TEH	TEC
30	19	SAI	0.12	70		6	01H	-0.01	0.17		01H	01H
30	20	DSI	0.30	55		P1	02H	0.03			TEH	TEC
30	20	SAI	0.28	115		6	02H	-0.08	0.36		02H	02H
30	22	DSI	0.59	31		P1	01H	0.05			TEH	TEC
30	22	MAI	0.49	84		6	01H	-0.09	0.33		01H	01H
30	23	DSI	0.57	48		P1	01H	0.00			TEH	TEC
30	23	DSI	0.89	78		P1	02H	0.03			TEH	TEC
30	23	MAI	0.24	103		6	01H	-0.07	0.34		01H	01H
30	24	DSI	0.24	54		P1	01H	0.00			TEH	TEC
30	24	DSI	0.80	75		P1	02H	0.08			TEH	TEC
30	24	SAI	0.35	95		6	01H	-0.10	0.41		01H	01H
30	27	DSI	0.36	57		P1	01H	0.11			TEH	TEC
30	27	DSI	0.91	55		P1	02H	0.06			TEH	TEC
30	27	SAI	0.45	105		6	02H	-0.10	0.52		02H	02H
30	36	DSI	1.01	105		P1	01H	-0.08			TEH	TEC
30	36	DSI	0.78	106		P1	02H	-0.08			TEH	TEC
30	38	DSI	1.38	87		P1	01H	0.11			TEH	TEC
30	38	MAI	0.66	81		6	01H	0.14	0.51		01H	01H
30	43	DSI	0.60	63		P1	01H	0.03			TEH	TEC
30	43	DSI	0.37	82		P1	03H	0.00			TEH	TEC
30	44	DSI	1.75	82		P1	01H	0.14			TEH	TEC
30	44	DSI	0.93	102		P1	02H	0.28			TEH	TEC
30	44	DSI	0.25	23		P1	03H	0.06			TEH	TEC
30	44	SAI	0.29	125		6	03H	0.02	0.56		03H	03H
30	44	MAI	0.55	96		6	01H	0.12	0.48		01H	01H
30	49	DSI	0.50	96		P1	01H	0.08			TEH	TEC
30	49	DSI	0.55	32		P1	02H	0.06			TEH	TEC
30	49	MAI	0.24	102		6	02H	0.01	0.44		02H	02H
30	53	DSI	0.75	51		P1	01H	0.05			TEH	TEC
30	53	SAI	0.60	107		6	01H	-0.01	0.64		01H	01H
30	55	DSI	0.55	85		P1	04H	0.00			TEH	TEC
30	56	DSI	0.68	80		P1	02H	-0.03			TEH	TEC
30	57	DSI	0.61	22		P1	02H	0.08			TEH	TEC
30	57	MAI	0.38	125		6	02H	0.04	0.73		02H	02H
30	61	DSI	0.51	58		P1	02H	0.06			TEH	TEC
30	62	DSI	0.68	49		P1	01H	0.06			TEH	TEC
30	62	SAI	0.54	89		6	01H	0.04	0.73		01H	01H
30	63	DSI	2.11	101		P1	01H	0.17			TEH	TEC
30	63	DSI	0.80	112		P1	02H	0.08			TEH	TEC
30	63	SAI	0.87	90		6	01H	0.15	0.64		01H	01H
30	65	DSI	0.59	60		P1	01H	0.03			TEH	TEC
30	65	DSI	0.72	27		P1	02H	0.03			TEH	TEC
30	65	SAI	0.28	105		6	02H	-0.01	0.64		02H	02H
30	66	DSI	0.69	32		P1	02H	0.00			TEH	TEC
30	66	SAI	0.59	97		6	02H	-0.08	0.51		02H	02H
30	68	DSI	1.53	99		P1	01H	0.17			TEH	TEC
30	68	MAI	0.33	103		6	01H	0.11	0.38		01H	01H
30	70	DSI	1.03	88		P1	01H	0.06			TEH	TEC
30	79	PCT	0.65	154	0	P1	01C	-0.17			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
30	83	PCT	0.65	138	0	P1	01C	-0.09			TEH	TEC
31	19	DSI	1.82	90		P1	01H	0.14			TEH	TEC
31	19	DSI	0.56	22		P1	03H	-0.03			TEH	TEC
31	19	DSI	1.06	53		P1	04H	-0.03			TEH	TEC
31	19	DSI	0.31	75		P1	06H	0.03			TEH	TEC
31	19	SAI	0.20	120		6	03H	0.04	0.22		03H	03H
31	19	MAI	0.26	104		6	04H	-0.11	0.36		04H	04H
31	19	MAI	0.52	93		6	01H	0.15	0.35		01H	01H
31	22	DSI	0.58	126		P1	01H	0.11			TEH	TEC
31	26	DSI	1.06	102		P1	01H	0.06			TEH	TEC
31	26	DSI	1.31	57		P1	02H	0.06			TEH	TEC
31	26	SAI	0.90	87		6	02H	-0.07	0.56		02H	02H
31	27	DSI	1.37	121		P1	01H	-0.11			TEH	TEC
31	27	DSI	0.33	69		P1	03H	0.06			TEH	TEC
31	27	MAI	0.77	87		6	01H	0.00	0.53		01H	01H
31	28	DSI	0.59	86		P1	01H	-0.03			TEH	TEC
31	30	DSI	1.70	96		P1	01H	0.08			TEH	TEC
31	30	MAI	0.75	95		6	01H	-0.06	0.56		01H	01H
31	32	DSI	0.69	40		P1	01H	0.00			TEH	TEC
31	32	DSI	0.58	47		P1	02H	0.11			TEH	TEC
31	32	DSI	0.59	61		P1	03H	0.00			TEH	TEC
31	32	SAI	0.27	93		6	01H	0.00	0.49		01H	01H
31	32	MAI	0.29	107		6	02H	0.08	0.54		02H	02H
31	34	DSI	0.40	89		P1	02H	0.14			TEH	TEC
31	34	DSI	0.66	95		P1	03H	-0.11			TEH	TEC
31	35	DSI	1.90	97		P1	01H	0.17			TEH	TEC
31	35	DSI	0.88	107		P1	02H	-0.11			TEH	TEC
31	35	DSI	0.60	124		P1	04H	0.00			TEH	TEC
31	35	MAI	1.40	92		6	01H	0.04	0.56		01H	01H
31	38	DSI	0.68	100		P1	01H	0.11			TEH	TEC
31	39	DSI	1.77	88		P1	01H	0.11			TEH	TEC
31	39	MAI	0.80	87		6	01H	-0.05	0.41		01H	01H
31	40	DSI	0.28	78		P1	01H	0.03			TEH	TEC
31	40	DSI	0.27	59		P1	02H	0.03			TEH	TEC
31	43	DSI	1.29	114		P1	01H	0.23			TEH	TEC
31	43	MAI	0.69	100		6	01H	0.16	0.48		01H	01H
31	45	DSI	0.71	51		P1	01H	0.03			TEH	TEC
31	45	MAI	0.53	97		6	01H	-0.01	0.51		01H	01H
31	46	DSI	0.71	60		P1	01H	0.08			TEH	TEC
31	47	DSI	0.53	54		P1	02H	0.00			TEH	TEC
31	47	SAI	0.49	94		6	02H	-0.08	0.50		02H	02H
31	48	DSI	1.76	97		P1	02H	-0.06			TEH	TEC
31	48	MAI	1.10	97		6	02H	0.05	0.51		02H	02H
31	50	DSI	1.31	96		P1	02H	-0.11			TEH	TEC
31	50	MAI	0.21	77		6	02H	-0.12	0.43		02H	02H
31	59	DSI	1.19	100		P1	01H	0.08			TEH	TEC
31	61	DSI	0.41	71		P1	01H	0.06			TEH	TEC
31	62	DSI	0.47	126		P1	01H	0.14			TEH	TEC
31	62	DSI	0.76	36		P1	03H	0.03			TEH	TEC
31	62	SAI	0.30	114		6	03H	-0.07	0.47		03H	03H
31	63	DSI	0.52	33		P1	03H	0.03			TEH	TEC
31	63	SAI	0.24	103		6	03H	-0.01	0.62		03H	03H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
31	67	DSI	0.41	39		P1	02H	0.03			TEH	TEC
31	67	DSI	0.87	48		P1	03H	-0.03			TEH	TEC
31	67	SAI	0.27	104		6	02H	-0.08	0.49		02H	02H
31	67	SAI	0.46	97		6	03H	-0.08	0.62		03H	03H
31	69	DSI	0.37	40		P1	02H	0.00			TEH	TEC
31	69	MAI	0.24	102		6	02H	0.03	0.57		02H	02H
32	22	DSI	0.43	61		P1	01H	0.06			TEH	TEC
32	27	DSI	1.33	94		P1	01H	-0.20			TEH	TEC
32	27	SAI	0.38	107		6	01H	-0.08	0.43		01H	01H
32	28	DSI	2.07	99		P1	01H	0.06			TEH	TEC
32	28	DSI	0.70	93		P1	02H	0.09			TEH	TEC
32	28	MAI	1.43	91		6	01H	0.09	0.65		01H	01H
32	30	DSI	0.27	26		P1	01H	0.03			TEH	TEC
32	30	DSI	0.83	47		P1	03H	-0.06			TEH	TEC
32	30	MAI	0.44	95		6	01H	-0.12	0.56		01H	01H
32	30	MAI	0.45	103		6	03H	-0.08	0.45		03H	03H
32	32	DSI	0.88	58		P1	02H	0.08			TEH	TEC
32	33	DSI	1.09	44		P1	01H	0.00			TEH	TEC
32	33	MAI	0.51	103		6	01H	0.00	0.58		01H	01H
32	34	DSI	0.73	76		P1	02H	-0.08			TEH	TEC
32	35	DSI	0.97	92		P1	01H	-0.06			TEH	TEC
32	36	DSI	1.64	67		P1	01H	0.06			TEH	TEC
32	36	DSI	1.35	70		P1	02H	0.00			TEH	TEC
32	36	MAI	0.94	88		6	01H	0.04	0.71		01H	01H
32	36	MAI	0.53	90		6	02H	-0.01	0.28		02H	02H
32	37	DSI	1.09	71		P1	01H	0.14			TEH	TEC
32	37	DSI	0.99	112		P1	02H	-0.20			TEH	TEC
32	39	DSI	1.20	65		P1	02H	-0.06			TEH	TEC
32	39	DSI	0.98	83		P1	03H	-0.26			TEH	TEC
32	42	DSI	1.00	118		P1	01H	0.25			TEH	TEC
32	43	DSI	1.49	96		P1	01H	0.20			TEH	TEC
32	43	DSI	1.28	79		P1	02H	0.06			TEH	TEC
32	43	SAI	0.56	106		6	01H	0.09	0.53		01H	01H
32	43	MAI	0.64	98		6	02H	0.07	0.51		02H	02H
32	46	DSI	1.62	89		P1	01H	0.09			TEH	TEC
32	46	MAI	0.74	93		6	01H	-0.02	0.48		01H	01H
32	52	DSI	0.58	56		P1	02H	0.11			TEH	TEC
32	53	DSI	0.15	107		P1	01H	0.06			TEH	TEC
32	53	DSI	1.03	111		P1	02H	-0.19			TEH	TEC
32	57	DSI	1.60	104		P1	01H	0.17			TEH	TEC
32	57	DSI	0.90	88		P1	02H	-0.06			TEH	TEC
32	57	SAI	0.62	96		6	01H	0.20	0.43		01H	01H
32	58	DSI	0.44	30		P1	02H	0.14			TEH	TEC
32	58	DSI	0.44	17		P1	03H	0.00			TEH	TEC
32	58	SAI	0.22	116		6	02H	0.05	0.44		02H	02H
32	59	DSI	0.39	85		P1	01H	0.00			TEH	TEC
32	59	SPR	1.66	123		P1	02H	0.08			TEH	TEC
32	59	SAI	0.30	124		6	02H	0.17	0.46		02H	02H
32	60	DSI	0.51	99		P1	01H	0.25			TEH	TEC
32	64	DSI	0.23	130		P1	01H	0.05			TEH	TEC
32	69	DSI	0.30	64		P1	01H	0.09			TEH	TEC
32	69	DSI	0.34	78		P1	02H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
32	70	DSI	0.59	126		P1	02H	0.20			TEH	TEC
33	18	PCT	2.17	109	30	P1	01C	-0.17			TEH	TEC
33	21	DSI	0.39	35		P1	04H	0.03			TEH	TEC
33	21	SAI	0.26	99		6	04H	0.00	0.36		04H	04H
33	23	DSI	0.77	129		P1	01H	-0.11			TEH	TEC
33	25	DSI	0.57	109		P1	01H	0.06			TEH	TEC
33	25	DSI	1.17	83		P1	02H	0.06			TEH	TEC
33	26	DSI	1.92	87		P1	01H	0.08			TEH	TEC
33	26	DSI	0.65	55		P1	02H	0.00			TEH	TEC
33	26	MAI	0.36	102		6	02H	-0.02	0.38		02H	02H
33	26	MAI	0.84	91		6	01H	0.05	0.50		01H	01H
33	27	DSI	0.74	108		P1	01H	-0.08			TEH	TEC
33	30	DSI	1.61	106		P1	01H	0.00			TEH	TEC
33	30	MAI	0.68	97		6	01H	0.01	0.45		01H	01H
33	31	DSI	0.94	107		P1	01H	-0.22			TEH	TEC
33	36	DSI	0.33	54		P1	01H	0.00			TEH	TEC
33	36	DSI	0.57	60		P1	02H	-0.03			TEH	TEC
33	36	MAI	0.40	99		6	01H	0.00	0.38		01H	01H
33	39	DSI	0.67	164		P1	01H	-0.08			TEH	TEC
33	39	SAI	0.25	98		6	01H	0.04	0.36		01H	01H
33	45	DSI	0.50	46		P1	02H	0.06			TEH	TEC
33	45	MAI	0.44	88		6	02H	0.00	0.68		02H	02H
33	49	DSI	0.55	75		P1	01H	0.00			TEH	TEC
33	50	DSI	0.62	49		P1	02H	0.05			TEH	TEC
33	50	MAI	0.25	99		6	02H	0.09	0.57		02H	02H
33	51	DSI	0.96	130		P1	01H	-0.05			TEH	TEC
33	51	DSI	0.59	51		P1	02H	0.08			TEH	TEC
33	51	SAI	0.39	97		6	02H	0.00	0.60		02H	02H
33	53	DSI	0.77	101		P1	02H	-0.25			TEH	TEC
33	56	DSI	0.34	29		P1	02H	0.05			TEH	TEC
33	56	MAI	0.56	109		6	02H	-0.11	0.69		02H	02H
33	59	DSI	0.36	50		P1	03H	0.06			TEH	TEC
33	59	SAI	0.28	121		6	03H	-0.05	0.48		03H	03H
33	63	DSI	0.44	55		P1	01H	0.03			TEH	TEC
33	63	DSI	0.65	51		P1	02H	0.08			TEH	TEC
33	63	MAI	0.35	79		6	01H	0.03	0.54		01H	01H
33	63	SAI	0.36	109		6	02H	0.01	0.64		02H	02H
33	67	DSI	0.97	43		P1	02H	-0.03			TEH	TEC
33	67	MAI	0.24	109		6	02H	-0.05	0.71		02H	02H
33	68	DSI	1.55	96		P1	01H	0.19			TEH	TEC
33	68	DSI	0.65	47		P1	02H	0.05			TEH	TEC
33	68	MAI	1.12	87		6	01H	0.05	0.68		01H	01H
33	68	SAI	0.30	107		6	02H	0.02	0.36		02H	02H
33	78	DSI	0.72	131		P1	04H	0.26			TEH	TEC
34	21	DSI	0.46	55		P1	01H	0.03			TEH	TEC
34	21	DSI	0.39	36		P1	05H	0.06			TEH	TEC
34	21	MAI	0.26	95		6	01H	0.00	0.29		01H	01H
34	21	SAI	0.26	104		6	05H	0.13	0.38		05H	05H
34	26	DSI	0.97	62		P1	02H	0.03			TEH	TEC
34	26	SPR	1.50	143		P1	01H	0.03			TEH	TEC
34	26	MAI	0.45	97		6	01H	-0.04	0.67		01H	01H
34	28	DSI	1.18	81		P1	01H	0.06			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
34	28	DSI	0.53	58		P1	03H	0.09			TEH	TEC
34	29	DSI	1.33	110		P1	01H	0.11			TEH	TEC
34	29	DSI	0.64	41		P1	02H	0.00			TEH	TEC
34	29	SAI	0.66	102		6	02H	-0.07	0.60		02H	02H
34	29	SAI	0.72	98		6	01H	0.07	0.60		01H	01H
34	30	DSI	0.89	39		P1	01H	0.08			TEH	TEC
34	30	MAI	0.76	91		6	01H	-0.01	0.56		01H	01H
34	31	DSI	1.86	103		P1	01H	-0.14			TEH	TEC
34	31	MAI	0.84	89		6	01H	0.01	0.55		01H	01H
34	32	DSI	1.27	79		P1	01H	0.00			TEH	TEC
34	32	DSI	0.89	106		P1	02H	-0.14			TEH	TEC
34	32	DSI	0.75	99		P1	03H	-0.06			TEH	TEC
34	33	DSI	0.62	34		P1	02H	0.03			TEH	TEC
34	33	SAI	0.22	94		6	02H	0.05	0.41		02H	02H
34	36	DSI	0.44	44		P1	01H	0.03			TEH	TEC
34	36	MAI	0.24	95		6	01H	0.08	0.35		01H	01H
34	39	DSI	0.48	58		P1	02H	0.00			TEH	TEC
34	40	DSI	0.83	35		P1	01H	0.06			TEH	TEC
34	40	DSI	0.51	43		P1	03H	0.03			TEH	TEC
34	40	DSI	0.25	105		P1	05H	0.09			TEH	TEC
34	40	SAI	0.39	117		6	01H	0.02	0.45		01H	01H
34	40	SAI	0.26	121		6	03H	-0.02	0.34		03H	03H
34	41	DSI	0.30	78		P1	01H	0.08			TEH	TEC
34	41	SAI	0.35	109		6	01H	-0.10	0.48		01H	01H
34	43	DSI	0.61	88		P1	01H	0.09			TEH	TEC
34	44	DSI	0.24	86		P1	02H	0.00			TEH	TEC
34	44	NQI	0.52	64		3	06C	41.46			TEH	TEC
34	47	PCT	0.57	0	11	P2	AV1	0.00			TEH	TEC
34	47	PCT	1.00	0	17	P2	AV2	-0.60			TEH	TEC
34	50	DSI	0.65	55		P1	02H	0.08			TEH	TEC
34	50	SAI	0.63	105		6	02H	-0.02	0.47		02H	02H
34	54	DSI	0.57	82		P1	02H	0.00			TEH	TEC
34	55	PCT	0.60	0	11	P2	AV2	-0.17			TEH	TEC
34	56	DSI	0.65	77		P1	01H	0.03			TEH	TEC
34	56	DSI	0.34	68		P1	02H	0.08			TEH	TEC
34	59	DSI	0.39	45		P1	01H	0.00			TEH	TEC
34	59	SAI	0.46	84		6	01H	0.12	0.62		01H	01H
34	63	DSI	0.66	63		P1	01H	0.00			TEH	TEC
34	66	PCT	0.55	0	10	P2	AV3	0.00			TEH	TEC
34	66	PCT	1.23	0	18	P2	AV4	0.00			TEH	TEC
34	76	DSI	0.42	94		P1	01H	0.31			TEH	TEC
34	77	PCT	1.34	113	29	P1	01C	-0.14			TEH	TEC
34	77	PCT	0.59	146	0	P1	02C	-0.09			TEH	TEC
34	79	PCT	0.94	114	22	P1	01C	-0.03			TEH	TEC
34	79	PCT	2.04	109	31	P1	02C	-0.06			TEH	TEC
34	79	VOL	0.66	91		P2	01C	0.01			01C	02C
34	79	VOL	0.34	104		P2	02C	0.04			01C	02C
35	20	DSI	0.75	104		P1	01H	0.20			TEH	TEC
35	20	DSI	0.59	85		P1	02H	0.03			TEH	TEC
35	22	DSI	0.51	57		P1	01H	0.03			TEH	TEC
35	26	DSI	0.57	59		P1	01H	0.06			TEH	TEC
35	27	DSI	0.62	88		P1	01H	-0.08			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
35	28	DSI	1.13	61		P1	01H	0.03			TEH	TEC
35	28	DSI	1.21	81		P1	02H	0.11			TEH	TEC
35	28	DSI	0.49	91		P1	04H	0.03			TEH	TEC
35	30	DSI	0.97	46		P1	01H	0.03			TEH	TEC
35	30	DSI	0.40	34		P1	02H	0.08			TEH	TEC
35	30	MAI	0.44	94		6	01H	-0.14	0.69		01H	01H
35	30	MAI	0.37	100		6	02H	0.03	0.47		02H	02H
35	31	DSI	1.92	101		P1	01H	0.03			TEH	TEC
35	31	DSI	0.68	118		P1	02H	-0.03			TEH	TEC
35	31	MAI	0.99	88		6	01H	0.00	0.68		01H	01H
35	33	DSI	0.67	54		P1	01H	0.06			TEH	TEC
35	33	SAI	0.75	92		6	01H	0.00	0.45		01H	01H
35	34	DSI	0.90	85		P1	01H	-0.06			TEH	TEC
35	34	DSI	0.56	20		P1	02H	0.03			TEH	TEC
35	34	SAI	0.28	75		6	02H	-0.02	0.43		02H	02H
35	35	DSI	0.68	55		P1	02H	-0.03			TEH	TEC
35	35	MAI	0.41	95		6	02H	0.01	0.41		02H	02H
35	39	DSI	0.79	164		P1	01H	0.14			TEH	TEC
35	39	SAI	0.25	101		6	01H	-0.12	0.43		01H	01H
35	40	DSI	0.56	43		P1	01H	0.06			TEH	TEC
35	40	DSI	0.60	105		P1	03H	0.20			TEH	TEC
35	40	SAI	0.47	75		6	01H	0.05	0.56		01H	01H
35	43	DSI	0.79	110		P1	01H	0.06			TEH	TEC
35	43	DSI	0.57	107		P1	02H	0.00			TEH	TEC
35	45	DSI	0.98	100		P1	01H	0.14			TEH	TEC
35	45	DSI	0.29	149		P1	02H	0.14			TEH	TEC
35	47	DSI	0.79	87		P1	03H	0.35			TEH	TEC
35	47	DSI	1.28	129		P1	01H	0.17			TEH	TEC
35	47	DSI	0.89	78		P1	03H	0.32			TEH	TEC
35	47	DSI	1.66	105		P1	04H	-0.09			TEH	TEC
35	47	MAI	0.79	95		6	01H	0.10	0.69		01H	01H
35	47	MAI	0.44	95		6	04H	-0.18	0.69		04H	04H
35	49	DSI	0.33	156		P1	01H	0.06			TEH	TEC
35	53	DSI	1.29	73		P1	01H	0.08			TEH	TEC
35	53	MAI	0.58	97		6	01H	0.04	0.50		01H	01H
35	55	DSI	1.14	93		P1	01H	0.11			TEH	TEC
35	55	DSI	0.80	78		P1	02H	0.00			TEH	TEC
35	55	DSI	0.53	61		P1	03H	0.00			TEH	TEC
35	55	DSI	0.44	36		P1	05H	0.06			TEH	TEC
35	61	DSI	0.82	56		P1	02H	0.03			TEH	TEC
35	63	DSI	0.86	101		P1	01H	0.08			TEH	TEC
35	63	DSI	0.50	16		P1	02H	0.08			TEH	TEC
35	63	DSI	0.59	40		P1	03H	-0.03			TEH	TEC
35	63	SAI	0.18	99		6	02H	0.02	0.51		02H	02H
35	63	SAI	0.37	100		6	03H	0.01	0.64		03H	03H
35	67	DSI	1.34	103		P1	01H	0.06			TEH	TEC
35	67	DSI	0.68	99		P1	02H	-0.06			TEH	TEC
35	67	MAI	0.68	90		6	01H	0.16	0.53		01H	01H
35	78	PCT	1.18	118	14	P1	04C	-0.23			TEH	TEC
36	21	DSI	0.65	54		P1	05H	0.09			TEH	TEC
36	21	SPR	1.56	146		P1	01H	0.00			TEH	TEC
36	21	SPR	1.62	117		P1	02H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
36	21	SAI	0.14	119		6	01H	0.00	0.22		01H	01H
36	21	SAI	0.29	97		6	02H	0.27	0.29		02H	02H
36	21	MAI	0.25	56		6	05H	0.01	0.30		05H	05H
36	22	DSI	1.20	76		P1	02H	0.06			TEH	TEC
36	23	DSI	0.76	67		P1	01H	-0.03			TEH	TEC
36	28	DSI	0.85	89		P1	01H	0.06			TEH	TEC
36	28	DSI	0.26	123		P1	02H	0.03			TEH	TEC
36	29	DSI	0.60	39		P1	01H	0.03			TEH	TEC
36	29	SAI	0.33	89		6	01H	-0.09	0.38		01H	01H
36	31	DSI	0.92	101		P1	01H	0.14			TEH	TEC
36	35	DSI	1.63	100		P1	01H	0.17			TEH	TEC
36	35	DSI	0.85	56		P1	02H	0.06			TEH	TEC
36	35	DSI	0.68	124		P1	03H	-0.23			TEH	TEC
36	35	MAI	0.34	94		6	01H	0.15	0.60		01H	01H
36	36	DSI	1.87	89		P1	02H	0.00			TEH	TEC
36	36	DSI	0.55	104		P1	03H	0.20			TEH	TEC
36	36	MAI	0.39	97		6	02H	-0.11	0.33		02H	02H
36	37	DSI	0.59	171		P1	01H	0.00			TEH	TEC
36	38	SPR	1.58	132		P1	01H	-0.03			TEH	TEC
36	38	DSI	0.34	50		P1	02H	-0.03			TEH	TEC
36	38	DNI	1.27	73		5	AV1	17.80			TEH	TEC
36	38	SAI	0.14	106		6	01H	0.11	0.39		01H	01H
36	41	DSI	1.17	97		P1	01H	0.14			TEH	TEC
36	41	DSI	0.90	86		P1	02H	0.08			TEH	TEC
36	41	DSI	0.85	95		P1	03H	0.11			TEH	TEC
36	42	DSI	1.02	90		P1	01H	-0.08			TEH	TEC
36	43	DSI	1.15	108		P1	01H	0.00			TEH	TEC
36	43	DSI	0.64	36		P1	02H	0.06			TEH	TEC
36	43	DSI	0.67	52		P1	03H	0.03			TEH	TEC
36	43	SAI	0.20	78		6	02H	0.15	0.57		02H	02H
36	44	DSI	0.40	72		P1	01H	0.09			TEH	TEC
36	45	DSI	0.99	106		P1	01H	0.31			TEH	TEC
36	45	DSI	1.01	105		P1	01H	0.20			TEH	TEC
36	45	DSI	1.51	94		P1	02H	0.00			TEH	TEC
36	45	MAI	0.44	117		6	02H	0.03	0.62		02H	02H
36	47	PCT	0.86	0	15	P2	AV1	0.00			TEH	TEC
36	47	PCT	2.40	0	28	P2	AV2	-0.45			TEH	TEC
36	48	SPR	1.76	127		P1	01H	0.00			TEH	TEC
36	48	DSI	0.60	63		P1	02H	0.11			TEH	TEC
36	48	SAI	0.18	87		6	01H	0.11	0.31		01H	01H
36	50	DSI	0.58	98		P1	01H	0.00			TEH	TEC
36	50	DSI	0.93	47		P1	03H	0.08			TEH	TEC
36	50	SAI	0.59	94		6	03H	-0.04	0.54		03H	03H
36	52	DSI	0.43	70		P1	03H	0.00			TEH	TEC
36	52	DSI	0.42	55		P1	03H	-0.03			TEH	TEC
36	52	SAI	0.32	93		6	03H	-0.04	0.41		03H	03H
36	54	DSI	0.61	79		P1	03H	0.14			TEH	TEC
36	64	PCT	0.83	148	13	P2	AV3	-0.23			TEH	TEC
36	64	PCT	1.14	97	16	P2	AV4	0.27			TEH	TEC
36	69	PCT	1.14	0	18	P2	AV1	0.34			TEH	TEC
36	69	PCT	0.96	0	16	P2	AV2	-0.56			TEH	TEC
36	69	PCT	0.99	0	16	P2	AV2	0.34			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
36	69	PCT	0.70	0	12	P2	AV3	-0.22			TEH	TEC
36	76	PCT	2.08	148	0	P1	01C	-0.09			TEH	TEC
36	77	PCT	0.45	120	18	P1	04C	0.06			TEH	TEC
37	19	PCT	0.71	128	1	P1	01C	-0.17			TEH	TEC
37	19	VOL	0.43	104		P2	01C	-0.22			01C	01C
37	20	DSI	0.94	104		P1	01H	0.17			TEH	TEC
37	21	DSI	0.29	79		P1	01H	-0.03			TEH	TEC
37	25	DSI	0.54	71		P1	01H	-0.03			TEH	TEC
37	26	DSI	1.11	95		P1	01H	-0.08			TEH	TEC
37	28	DSI	0.74	58		P1	01H	0.06			TEH	TEC
37	29	DSI	0.66	88		P1	01H	0.00			TEH	TEC
37	33	DSI	0.94	26		P1	02H	0.03			TEH	TEC
37	33	SAI	0.45	97		6	02H	0.06	0.56		02H	02H
37	36	DSI	0.42	85		P1	01H	0.25			TEH	TEC
37	36	DSI	0.85	46		P1	02H	0.08			TEH	TEC
37	36	MAI	0.29	111		6	02H	-0.14	0.36		02H	02H
37	37	DSI	0.59	77		P1	01H	0.06			TEH	TEC
37	38	DSI	0.65	119		P1	01H	0.11			TEH	TEC
37	38	DSI	0.74	34		P1	02H	0.08			TEH	TEC
37	38	DSI	0.46	116		P1	03H	-0.08			TEH	TEC
37	38	SAI	0.36	99		6	02H	-0.03	0.56		02H	02H
37	41	DSI	1.43	100		P1	01H	0.11			TEH	TEC
37	41	DSI	0.82	90		P1	02H	0.03			TEH	TEC
37	41	DSI	0.82	110		P1	03H	-0.17			TEH	TEC
37	41	SAI	0.70	96		6	01H	-0.03	0.73		01H	01H
37	42	DSI	1.53	77		P1	01H	0.14			TEH	TEC
37	42	DSI	0.44	40		P1	03H	0.06			TEH	TEC
37	42	SAI	0.49	102		6	01H	0.00	0.52		01H	01H
37	42	SAI	0.35	88		6	03H	0.16	0.63		03H	03H
37	44	SPR	1.59	125		P1	01H	0.00			TEH	TEC
37	44	SAI	0.19	88		6	01H	0.10	0.21		01H	01H
37	45	DSI	0.78	107		P1	01H	0.09			TEH	TEC
37	50	DSI	0.26	18		P1	01H	0.06			TEH	TEC
37	50	MAI	0.23	95		6	01H	0.13	0.49		01H	01H
37	52	DSI	0.49	65		P1	01H	0.03			TEH	TEC
37	59	DSI	0.99	30		P1	02H	0.03			TEH	TEC
37	59	SAI	0.41	95		6	02H	-0.06	0.74		02H	02H
37	62	DSI	0.69	156		P1	01H	0.14			TEH	TEC
37	62	DSI	1.60	79		P1	02H	-0.03			TEH	TEC
37	62	MAI	0.59	106		6	02H	-0.10	0.45		02H	02H
37	65	DSI	0.96	115		P1	01H	0.19			TEH	TEC
37	74	PCT	1.05	121	8	P1	01C	-0.03			TEH	TEC
37	76	PCT	0.61	133	0	P1	01C	-0.03			TEH	TEC
38	23	PCT	1.46	116	30	P1	01C	-0.23			TEH	TEC
38	23	DSI	0.38	97		P1	01H	0.03			TEH	TEC
38	23	DSI	0.58	74		P1	03H	0.00			TEH	TEC
38	23	VOL	0.68	95		P2	01C	-0.29			01C	01C
38	27	DSI	1.11	33		P1	02H	0.03			TEH	TEC
38	27	DSI	0.31	128		P1	06H	-0.06			TEH	TEC
38	27	SAI	0.43	90		6	02H	0.00	0.51		02H	02H
38	29	SPR	1.56	140		P1	01H	0.03			TEH	TEC
38	29	MAI	0.25	71		6	01H	-0.01	0.34		01H	01H

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
38	30	DSI	0.56	105		P1	01H	0.06			TEH	TEC
38	31	DSI	0.72	116		P1	01H	0.06			TEH	TEC
38	32	DSI	1.61	98		P1	01H	0.06			TEH	TEC
38	32	SAI	1.56	83		6	01H	0.00	0.53		01H	01H
38	33	DSI	0.67	27		P1	01H	-0.03			TEH	TEC
38	33	MAI	0.25	87		6	01H	-0.01	0.40		01H	01H
38	34	DSI	0.66	54		P1	01H	0.08			TEH	TEC
38	34	SAI	0.33	102		6	01H	0.01	0.38		01H	01H
38	37	DSI	1.37	92		P1	02H	0.11			TEH	TEC
38	37	MAI	0.78	94		6	02H	0.19	0.51		02H	02H
38	47	DSI	0.89	128		P1	01H	-0.14			TEH	TEC
38	52	DSI	0.85	146		P1	01H	-0.19			TEH	TEC
38	52	DSI	0.52	94		P1	03H	0.03			TEH	TEC
38	55	DSI	1.46	120		P1	01H	-0.05			TEH	TEC
38	55	DSI	0.56	128		P1	02H	0.00			TEH	TEC
38	55	MAI	0.75	102		6	01H	-0.06	0.63		01H	01H
38	59	DSI	1.26	131		P1	01H	0.03			TEH	TEC
38	63	DSI	2.06	89		P1	02H	0.06			TEH	TEC
38	63	DSI	0.96	77		P1	03H	0.00			TEH	TEC
38	63	DSI	0.35	102		P1	05H	0.11			TEH	TEC
38	63	MAI	0.97	89		6	02H	-0.01	0.74		02H	02H
38	64	DSI	0.49	60		P1	03H	-0.05			TEH	TEC
38	66	DSI	0.40	63		P1	02H	0.00			TEH	TEC
38	66	DSI	1.81	88		P1	03H	0.03			TEH	TEC
38	66	DSI	1.32	95		P1	04H	-0.06			TEH	TEC
38	66	MAI	0.48	103		6	03H	-0.08	0.48		03H	03H
38	66	MAI	0.37	100		6	04H	-0.17	0.33		04H	04H
38	68	DSI	0.68	44		P1	02H	0.08			TEH	TEC
38	68	SAI	0.38	77		6	02H	0.05	0.48		02H	02H
38	70	DSI	0.67	63		P1	03H	0.03			TEH	TEC
38	73	PCT	0.48	135	0	P1	01C	-0.20			TEH	TEC
38	74	DSI	0.57	110		P1	02H	0.23			TEH	TEC
39	25	DSI	0.48	52		P1	01H	-0.14			TEH	TEC
39	25	MAI	0.33	90		6	01H	-0.07	0.51		01H	01H
39	27	PCT	0.78	134	0	P1	01C	-0.12			TEH	TEC
39	29	DSI	1.34	81		P1	01H	-0.03			TEH	TEC
39	29	DSI	0.89	49		P1	03H	0.06			TEH	TEC
39	29	MAI	0.30	101		6	03H	0.01	0.51		03H	03H
39	29	MAI	0.54	102		6	01H	0.02	0.68		01H	01H
39	30	DSI	0.80	39		P1	01H	0.06			TEH	TEC
39	30	MAI	0.34	88		6	01H	0.00	0.54		01H	01H
39	32	DSI	2.16	95		P1	01H	0.20			TEH	TEC
39	32	DSI	0.45	98		P1	02H	-0.11			TEH	TEC
39	32	MAI	0.65	89		6	01H	0.06	0.63		01H	01H
39	33	DSI	1.25	77		P1	01H	0.09			TEH	TEC
39	33	DSI	1.28	147		P1	02H	0.17			TEH	TEC
39	33	SPR	1.57	155		P1	03H	0.03			TEH	TEC
39	33	DSI	0.54	68		P1	05H	0.09			TEH	TEC
39	33	SAI	0.17	88		6	03H	0.26	0.22		03H	03H
39	33	SAI	0.41	98		6	02H	-0.08	0.43		02H	02H
39	37	DSI	0.72	71		P1	01H	0.03			TEH	TEC
39	58	PCT	1.99	0	26	P2	AV4	-0.11			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
39	63	PCT	1.96	0	25	P2	AV1	-0.14			TEH	TEC
39	63	PCT	2.05	0	25	P2	AV2	0.52			TEH	TEC
39	63	PCT	1.37	0	20	P2	AV2	-0.38			TEH	TEC
39	71	PCT	1.05	109	36	P1	02C	-0.03			TEH	TEC
39	71	DSI	0.39	48		P1	06H	0.06			TEH	TEC
39	71	VOL	0.58	91		P2	02C	-0.01			02C	02C
40	24	DSI	0.65	53		P1	01H	0.00			TEH	TEC
40	24	SAI	0.22	97		6	01H	-0.11	0.51		01H	01H
40	25	PCT	1.53	119	12	P1	01C	-0.23			TEH	TEC
40	27	DSI	0.73	66		P1	02H	0.15			TEH	TEC
40	33	DSI	0.53	40		P1	01H	0.00			TEH	TEC
40	33	SAI	0.49	91		6	01H	-0.09	0.47		01H	01H
40	36	DSI	0.44	72		P1	01H	0.08			TEH	TEC
40	37	DSI	0.27	89		P1	02H	0.00			TEH	TEC
40	39	DSI	1.49	113		P1	01H	0.11			TEH	TEC
40	39	SAI	0.63	94		6	01H	-0.05	0.53		01H	01H
40	40	DSI	1.73	88		P1	01H	0.06			TEH	TEC
40	40	MAI	1.13	89		6	01H	0.02	0.63		01H	01H
40	41	DSI	0.71	101		P1	02H	0.06			TEH	TEC
40	41	PCT	1.26	0	19	P2	AV2	-1.06			TEH	TEC
40	41	PCT	0.94	0	16	P2	AV3	0.00			TEH	TEC
40	50	PCT	1.18	96	18	P2	AV2	0.00			TEH	TEC
40	52	PCT	2.40	46	28	P2	AV3	-0.59			TEH	TEC
40	52	PCT	2.81	50	30	P2	AV4	-0.76			TEH	TEC
40	63	DSI	0.76	58		P1	02H	0.06			TEH	TEC
40	66	DSI	0.42	117		P1	01H	0.09			TEH	TEC
40	66	DSI	1.14	56		P1	02H	-0.06			TEH	TEC
40	70	DSI	0.31	75		P1	05H	0.09			TEH	TEC
41	26	DSI	0.80	51		P1	01H	0.08			TEH	TEC
41	26	PCT	1.89	125	0	P1	04C	0.14			TEH	TEC
41	26	SAI	0.25	92		6	01H	0.27	0.54		01H	01H
41	29	DSI	0.73	117		P1	01H	0.06			TEH	TEC
41	29	PCT	1.65	115	20	P1	04C	0.17			TEH	TEC
41	29	VOL	0.92	85		6	04C	0.17			04C	04C
41	33	DSI	0.68	116		P1	01H	0.23			TEH	TEC
41	33	DSI	0.84	81		P1	02H	0.17			TEH	TEC
41	34	PCT	0.59	145	0	P1	02C	-0.17			TEH	TEC
41	34	PCT	0.42	149	0	P1	03C	-0.11			TEH	TEC
41	34	DSI	0.67	63		P1	03H	0.09			TEH	TEC
41	36	DSI	0.40	67		P1	01H	0.00			TEH	TEC
41	39	DSI	0.75	79		P1	01H	0.06			TEH	TEC
41	39	DSI	0.37	123		P1	04H	0.03			TEH	TEC
41	45	DSI	0.75	27		P1	02H	0.00			TEH	TEC
41	45	SAI	0.26	113		6	02H	0.06	0.39		02H	02H
41	46	DSI	0.63	20		P1	01H	0.06			TEH	TEC
41	48	DSI	0.53	24		P1	02H	0.06			TEH	TEC
41	55	DSI	0.38	179		P1	02H	0.06			TEH	TEC
41	56	DSI	0.81	45		P1	03H	0.03			TEH	TEC
41	56	PCT	1.42	0	21	P2	AV1	0.05			TEH	TEC
41	56	MAI	0.27	107		6	03H	0.00	0.47		03H	03H
41	60	DSI	0.29	80		P1	03H	0.00			TEH	TEC
41	63	DSI	0.90	78		P1	02H	0.00			TEH	TEC

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
41	66	PCT	1.56	118	22	P1	01C	-0.17			TEH	TEC
41	66	VOL	0.59	91		P2	01C	0.06			01C	01C
41	69	PCT	0.57	123	6	P1	01C	-0.26			TEH	TEC
42	31	PCT	0.73	122	6	P1	03C	-0.26			TEH	TEC
42	38	DSI	0.56	124		P1	02H	0.03			TEH	TEC
42	39	DSI	1.92	91		P1	01H	0.11			TEH	TEC
42	39	DSI	0.68	105		P1	03H	-0.11			TEH	TEC
42	39	MAI	0.84	91		6	01H	-0.06	0.61		01H	01H
42	40	PSI	7.53	273		8	01H	-0.28			TEH	TEC
42	40	CSI	0.87	157		9	01H	-0.05		39	01H	01H
42	42	DSI	0.47	116		P1	02H	0.00			TEH	TEC
42	42	DSI	0.64	114		P1	03H	0.08			TEH	TEC
42	42	DSI	0.31	126		P1	06H	0.00			TEH	TEC
42	52	DSI	0.51	130		P1	01H	0.03			TEH	TEC
42	53	PCT	1.00	125	3	P1	02C	-0.14			TEH	TEC
43	31	PCT	0.28	119	11	P1	01C	0.03			TEH	TEC
43	33	PCT	0.58	140	0	P1	01C	-0.12			TEH	TEC
43	36	DSI	0.82	146		P1	03H	-0.11			TEH	TEC
43	37	DSI	0.90	108		P1	01H	0.22			TEH	TEC
43	39	SCI	0.32	120		P2	TSH	-0.22		94	TSH	TSH
43	45	DSI	0.85	62		P1	02H	0.00			TEH	TEC
43	45	DSI	0.40	101		P1	05H	0.06			TEH	TEC
43	48	PCT	1.04	35	17	P2	AV2	-0.47			TEH	TEC
43	63	DSI	0.88	33		P1	02H	0.03			TEH	TEC
43	63	SAI	0.22	107		6	02H	0.02	0.36		02H	02H
43	64	PCT	1.11	117	18	P1	02C	-0.12			TEH	TEC
43	64	PCT	1.20	0	18	P2	AV1	0.00			TEH	TEC
43	64	VOL	0.61	102		P2	02C	-0.01			02C	02C
43	65	PCT	0.96	0	15	P2	AV1	0.00			TEH	TEC
44	33	PCT	2.16	115	20	P1	03C	-0.26			TEH	TEC
44	33	PCT	0.37	121	8	P1	04C	-0.26			TEH	TEC
44	33	VOL	0.40	97		P2	03C	-0.28			03C	03C
44	34	DSI	0.40	127		P1	01H	0.20			TEH	TEC
44	34	PCT	1.02	0	16	P2	AV2	0.00			TEH	TEC
44	36	DSI	0.53	134		P1	02H	0.25			TEH	TEC
44	36	PCT	1.33	127	4	P1	03C	0.20			TEH	TEC
44	39	PCT	0.97	120	6	P1	03C	-0.28			TEH	TEC
44	49	PCT	0.74	126	0	P1	03C	0.14			TEH	TEC
44	53	PCT	1.15	0	17	P2	AV1	0.03			TEH	TEC
44	54	PCT	0.85	0	14	P2	AV1	0.03			TEH	TEC
44	57	PCT	0.66	147	0	P1	01C	-0.17			TEH	TEC
44	60	PCT	0.74	132	1	P1	02C	-0.17			TEH	TEC
44	62	PCT	1.90	109	32	P1	01C	-0.12			TEH	TEC
45	36	PCT	0.92	145	0	P1	04C	0.22			TEH	TEC
45	37	PCT	0.46	140	0	P1	04C	0.22			TEH	TEC
46	41	PSI	19.09	343		8	01H	0.00			TEH	TEC
46	41	CSI	0.29	78		11	01H	-0.16		143	01H	01H
46	46	PCT	0.76	137	0	P1	03C	0.17			TEH	TEC
46	53	PCT	0.76	137	0	P1	01C	-0.11			TEH	TEC

ATTACHMENT 3A

**BEAVER VALLEY UNIT #1
1R16 SG EXAMINATION
RESULTS**

1RC-E-1C

**TUBES REMOVED FROM
SERVICE**

Beaver Valley Unit #1
1R16 SG Examination Results
1RC-E-1C
(TUBES REMOVED FROM SERVICE)

Page 1 of 2

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
3	21	SAI	0.16	69		6	TSH	0.23	0.36		TSH	TSH
5	54	SAI	0.14	270		6	02H	-0.03	0.31		02H	02H
6	33	SAI	0.22	90		6	TSH	-0.01	0.31		TSH	TSH
7	31	SAI	0.15	91		6	TSH	0.36	0.20		TSH	TSH
7	41	SAI	0.24	90		6	TSH	0.00	0.19		TSH	TSH
7	90	SAI	0.22	91		6	03H	-0.17	0.38		03H	03H
8	33	MAI	0.32	81		6	TSH	0.34	0.54		TSH	TSH
9	31	SAI	0.11	63		6	TSH	1.11	0.31		TSH	TSH
9	31	SAI	0.14	73		6	TSH	0.50	0.28		TSH	TSH
9	32	SAI	0.14	89		6	TSH	0.62	0.37		TSH	TSH
10	27	SAI	0.11	100		6	TSH	0.83	0.16		TSH	TSH
10	66	MAI	0.65	96		6	01H	0.06	0.53		01H	01H
11	26	SAI	0.19	104		6	TSH	0.44	0.32		TSH	TSH
11	44	SAI	0.21	124		6	TSH	0.25	0.21		TSH	TSH
12	25	SAI	0.17	83		6	TSH	0.69	0.28		TSH	TSH
12	26	MAI	0.13	82		6	TSH	0.43	0.44		TSH	TSH
12	44	NQI	0.17	98		P1	TSH	0.73			07H	TEH
13	25	MAI	0.26	111		6	TSH	0.34	0.31		TSH	TSH
13	44	MAI	0.18	86		6	TSH	0.89	0.21		TSH	TSH
13	44	NQI	0.28	97		P1	TSH	0.71			TEH	TEC
15	53	SAI	0.13	99		6	TSH	0.48	0.21		TSH	TSH
16	39	NQI	0.57	45		P1	TSH	1.01			TEH	TEC
16	39	SAI	0.25	78		6	TSH	0.83	0.19		TSH	TSH
17	32	NQI	0.29	112		P1	TSH	1.73			TEH	TEC
20	17	SVI	0.11	73		6	TSH	1.07	0.24	53	TSH	TSH
21	17	SVI	0.11	82		6	TSH	0.91	0.32	50	TSH	TSH
23	15	MAI	0.81	91		6	01H	0.15	0.63		01H	01H
23	27	SAI	0.12	106		6	TSH	0.27	0.24		TSH	TSH
25	47	SAI	0.29	121		6	01H	-0.10	0.74		01H	01H
26	20	MAI	1.00	99		6	01H	0.01	0.56		01H	01H
26	26	MAI	0.54	97		6	01H	0.06	0.56		01H	01H
26	47	MAI	0.22	120		6	01H	0.09	0.53		01H	01H
27	18	MAI	0.53	88		6	01H	-0.01	0.60		01H	01H
27	19	SAI	0.15	83		6	04H	-0.16	0.23		04H	04H
27	47	MAI	0.61	103		6	01H	-0.01	0.55		01H	01H
28	36	SAI	0.22	100		6	04H	0.09	0.24		04H	04H
28	49	MAI	1.54	78		6	02H	0.03	0.66		02H	02H
29	27	MAI	1.38	77		6	01H	-0.01	0.70		01H	01H
29	45	SAI	0.24	54		6	TSH	0.04	0.20		TSH	TSH
29	56	SAI	0.27	109		6	01H	-0.01	0.49		01H	01H
30	19	SAI	0.12	70		6	01H	-0.01	0.17		01H	01H
30	63	SAI	0.87	90		6	01H	0.15	0.64		01H	01H
32	28	MAI	1.43	91		6	01H	0.09	0.65		01H	01H
32	59	SAI	0.30	124		6	02H	0.17	0.46		02H	02H
34	26	MAI	0.45	97		6	01H	-0.04	0.67		01H	01H
36	21	SAI	0.14	119		6	01H	0.00	0.22		01H	01H
36	21	SAI	0.29	97		6	02H	0.27	0.29		02H	02H
36	38	SAI	0.14	106		6	01H	0.11	0.39		01H	01H
36	48	SAI	0.18	87		6	01H	0.11	0.31		01H	01H
37	44	SAI	0.19	88		6	01H	0.10	0.21		01H	01H
38	29	MAI	0.25	71		6	01H	-0.01	0.34		01H	01H

Beaver Valley Unit #1
1R16 SG Examination Results

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1RC-E-1C

(TUBES REMOVED FROM SERVICE)

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
38	63	MAI	0.97	89		6	02H	-0.01	0.74		02H	02H
39	32	MAI	0.65	89		6	01H	0.06	0.63		01H	01H
39	33	SAI	0.17	88		6	03H	0.26	0.22		03H	03H
43	36	PVN	10.00	14		1	05H	3.06			TEH	TEC
43	39	SCI	0.32	120		P2	TSH	-0.22		94	TSH	TSH

ENCLOSURE 2

BEAVER VALLEY POWER STATION UNIT NO. 2

11TH REFUELING OUTAGE

ENCLOSURE 2

Beaver Valley Unit No. 2 11th Refueling Outage (Attachments 4 through 6A)

Procedures and Personnel

The examinations and the analysis performed during the 11th Refueling Outage were in compliance with the Beaver Valley Unit # 2 Technical Specifications, NRC Regulatory Guide 1.83, EPRI PWR SG Examination Guidelines, (Rev. 6) and FENOC Procedure ISIE1-8 (Rev. 9), "Unit #2 SG Examination Guidelines". Personnel evaluating data were Qualified Data Analysts (QDA) in accordance with Appendix "G" of the EPRI PWR SG Examination Guidelines. All analysts were required to pass a site specific performance demonstration prior to analyzing the eddy current data from the current outage. All data underwent an independent second party review prior to final acceptance.

Eddy Current Examination

One hundred percent of the in-service tubes in Rows 3 through 46 from SG's 2RCS-SG21A, 2RCS-SG21B and 2RCS-SG21C were examined full length with bobbin coil probes. In-service tubes in Rows 1 and 2 were examined with bobbin coil probes to the upper most tube support plate (TSP) in each leg. The U-bend regions of the inservice tubes in Rows 1 and 2 were examined with Plus Point probes.

Plus Point probes were also utilized to examine the following in each SG:

One hundred percent of the hot leg top-of-tubesheet region.

One hundred percent of bulges and over-expansions located at the hot and cold leg top of tubesheet plus bulges above the tubesheet neutral axis.

One hundred percent of distorted TSP signals.

One hundred percent of TSP mix residual signals with bobbin voltages (a) ≥ 2.00 volts and (b) ≥ 1.25 volts with a phase angle ≤ 55 degrees.

One hundred percent of free-span dings (TSH to TSC) with bobbin voltages ≥ 5.00 volts.

One hundred percent of dented hot leg TSP's with bobbin voltages, (a) ≥ 5.00 volts and (b) > 2.00 volts but < 5.00 volts located at the 1st, 2nd, 3rd, and 4th hot leg TSP's.

One hundred percent of freespan signals that were not resolved as manufacturing burnish marks.

One hundred percent of dents at anti-vibration bar (AVB) intersections.

Twenty percent of the U-bend regions in Rows 3 through 8.

Twenty percent of dents with bobbin voltages > 2.00 volts but < 5.00 volts located at the 5th hot leg TSP.

Twenty percent of TSP mix residual signals with bobbin voltages > 1.50 volts but < 2.00 volts.

Twenty percent of AVB wear indications.

ENCLOSURE 2

Beaver Valley Unit No. 2 11th Refueling Outage (Attachments 4 through 6A)

Plug Retainers

Eighteen Westinghouse Plug-in-Plug (PIP) retainers were visually examined during 2R11. No indications were observed.

Tube Sleeves

There are no tube sleeves installed at Unit 2.

In-Situ Pressure Testing

Based on the 2R11 eddy current results, In-situ testing was not required.

Examination Summary

The following table summarizes the number of tubes examined and the number of tubes removed from service.

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
TUBES EXAMINED (BOBBIN)	3239	3250	3254
TUBES REMOVED FROM SERVICE	14	34	7

ENCLOSURE 2 (Cont.)

Beaver Valley Unit No. 2 11th Refueling Outage (Attachments 4 through 6A)

The results of the Unit 2 SG eddy current examinations are provided in the following Attachments:

- Attachment 4 -** Beaver Valley Unit #2 2R11 SG Examination Results
2RCS-SG21A Tubes with Indications
- Attachment 4A -** Beaver Valley Unit #2 2R11 SG Examination Results
2RCS-SG21A Tubes Removed From Service
- Attachment 5 -** Beaver Valley Unit #2 2R11 SG Examination Results
2RCS-SG21B Tubes with Indications
- Attachment 5A -** Beaver Valley Unit #2 2R11 SG Examination Results
2RCS-SG21B Tubes Removed From Service
- Attachment 6 -** Beaver Valley Unit #2 2R11 SG Examination Results
2RCS-SG21C Tubes with Indications
- Attachment 6A -** Beaver Valley Unit #2 2R11 SG Examination Results
2RCS-SG21C Tubes Removed From Service

ATTACHMENT 4

**BEAVER VALLEY UNIT #2
2R11 SG EXAMINATION
RESULTS**

2RCS-SG21A
TUBES WITH INDICATIONS

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21A
(TUBES WITH INDICATIONS)

Page 1 of 7

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	45	SCI	0.07	88		P2	TSH	-0.14		41	TSH	TSH
1	53	DSI	0.30	92		P1	06H	0.02			08H	TEH
2	88	DSI	0.43	95		P1	02H	-0.03			08H	TEH
2	88	DNI	1.86	40		P1	06H	0.02			08H	TEH
2	92	DSI	0.61	86		P1	03H	-0.11			08H	TEH
3	15	DSI	0.61	88		P1	03H	0.03			08H	TEH
3	24	DSI	1.02	65		P1	03H	-0.20			08H	TEH
3	59	DSI	0.46	155		P1	02H	-0.09			08H	TEH
3	81	DSI	1.06	94		P1	03H	0.00			08H	TEH
3	84	DSI	0.79	80		P1	03H	-0.10			08H	TEH
3	85	DSI	0.69	72		P1	04H	-0.01			08H	TEH
3	92	DSI	0.87	105		P1	02H	0.00			08H	TEH
4	9	DSI	0.34	92		P1	03H	0.00			08H	TEH
4	9	DSI	0.35	86		P1	04H	0.06			08H	TEH
4	18	DSI	1.02	35		P1	05H	0.01			08H	TEH
4	21	DSI	0.62	65		P1	03H	0.02			08H	TEH
4	26	DSI	0.49	59		P1	02H	-0.03			08H	TEH
4	30	DSI	0.34	107		P1	04H	-0.03			08H	TEH
4	34	DSI	1.07	26		P1	03H	0.01			08H	TEH
4	39	DSI	0.27	51		P1	02H	0.00			08H	TEH
4	48	SCI	0.24	103		P2	TSH	-0.03		49	TSH	TSH
4	50	DSI	0.35	63		P1	02H	0.09			08H	TEH
4	50	DSI	0.82	55		P1	03H	0.00			08H	TEH
4	50	DSI	0.52	68		P1	04H	0.04			08H	TEH
4	54	DSI	0.78	73		P1	02H	-0.03			08H	TEH
4	54	DSI	0.37	82		P1	04H	0.10			08H	TEH
4	54	DSI	0.49	78		P1	05H	0.07			08H	TEH
4	58	DSI	0.50	29		P1	02H	-0.11			08H	TEH
4	60	DSI	0.40	102		P1	02H	0.00			08H	TEH
4	60	DSI	0.27	54		P1	06H	0.00			08H	TEH
4	62	DNI	1.81	53		P1	02H	-0.05			08H	TEH
4	62	DNI	1.98	41		P1	03H	-0.06			08H	TEH
4	63	DSI	0.57	61		P1	02H	0.00			08H	TEH
4	78	DSI	0.27	102		P1	05H	0.00			08H	TEH
4	85	DSI	0.29	68		P1	08C	-0.05			08C	TEC
4	85	DSI	0.27	67		P1	08C	0.00			08C	07H
5	10	DSI	1.37	67		P1	02H	0.00			TEH	TEC
5	10	DSI	0.90	87		P1	03H	0.00			TEH	TEC
5	11	DSI	0.63	49		P1	04H	0.10			TEH	TEC
5	25	DSI	0.58	94		P1	05H	0.16			TEH	TEC
5	26	DSI	0.68	85		P1	03H	0.00			TEH	TEC
5	50	DNI	1.37	38		P1	04H	0.00			TEH	TEC
5	53	DSI	0.23	49		P1	02H	0.08			TEH	TEC
5	54	DSI	0.51	119		P1	02H	0.03			TEH	TEC
5	60	DNI	1.50	45		P1	04H	0.00			TEH	TEC
5	65	DNI	1.52	54		P1	07H	-0.03			TEH	TEC
5	71	DSI	0.77	99		P1	02H	0.03			TEH	TEC
5	77	DNI	1.27	48		P1	06H	0.21			TEH	TEC
5	80	DSI	0.23	77		P1	05H	0.10			TEH	TEC
5	82	DSI	0.27	70		P1	03H	0.03			TEH	TEC
6	17	DSI	1.22	61		P1	04H	0.08			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21A
(TUBES WITH INDICATIONS)

Page 2 of 7

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
6	32	DSI	0.42	90		P1	02H	0.05			TEH	TEC
6	33	DNI	1.30	43		P1	04H	-0.13			TEH	TEC
6	34	DSI	0.53	124		P1	02H	0.08			TEH	TEC
6	35	DSI	0.83	105		P1	02H	0.03			TEH	TEC
6	35	DSI	0.72	82		P1	03H	0.03			TEH	TEC
6	35	DSI	0.62	79		P1	05H	0.00			TEH	TEC
6	40	DSI	0.59	93		P1	03H	0.03			TEH	TEC
6	40	DSI	0.39	83		P1	04H	0.13			TEH	TEC
6	43	DSI	0.81	67		P1	02H	0.08			TEH	TEC
7	19	DSI	0.57	73		P1	03H	0.03			TEH	TEC
7	27	DSI	0.42	149		P1	05H	0.13			TEH	TEC
7	49	DNI	2.19	20		P1	08C	0.13			TEH	TEC
7	51	DSI	0.45	44		P1	02H	0.03			TEH	TEC
7	58	DSI	0.73	64		P1	03H	0.03			TEH	TEC
7	69	DNI	1.36	50		P1	03H	0.05			TEH	TEC
7	71	DSI	0.54	81		P1	03H	-0.08			TEH	TEC
7	73	DSI	0.57	124		P1	03H	0.00			TEH	TEC
7	84	DNI	1.30	55		P1	05H	0.23			TEH	TEC
7	94	DSI	0.26	73		P1	02H	0.13			TEH	TEC
8	2	DSI	0.47	96		P1	04H	0.05			TEH	TEC
8	19	DSI	0.40	127		P1	02H	0.00			TEH	TEC
8	19	DNI	1.40	52		P1	04H	0.00			TEH	TEC
8	29	DSI	0.41	119		P1	02H	0.00			TEH	TEC
8	34	DSI	0.99	44		P1	03H	-0.18			TEH	TEC
8	41	SAI	0.11	94		6	TSH	0.44	0.21		TSH	TSH
8	42	DSI	0.20	110		P1	02H	0.08			TEH	TEC
8	56	DNI	1.61	52		P1	03H	0.00			TEH	TEC
8	56	DNI	1.45	52		P1	08H	0.00			TEH	TEC
8	66	DNI	1.29	54		P1	06H	0.18			TEH	TEC
8	69	DNI	1.26	48		P1	05H	-0.08			TEH	TEC
8	74	DNI	1.82	54		P1	03H	-0.03			TEH	TEC
8	79	DNI	1.25	54		P1	05H	0.24			TEH	TEC
9	10	DSI	0.92	73		P1	02H	-0.03			TEH	TEC
9	13	DSI	0.80	64		P1	02H	0.00			TEH	TEC
9	14	DSI	0.62	69		P1	03H	0.05			TEH	TEC
9	16	DSI	0.90	114		P1	02H	0.08			TEH	TEC
9	16	DSI	0.74	66		P1	03H	0.08			TEH	TEC
9	16	DSI	0.74	126		P1	04H	0.00			TEH	TEC
9	22	DSI	0.72	72		P1	03H	0.08			TEH	TEC
9	35	DSI	0.58	100		P1	02H	0.12			TEH	TEC
9	36	SCI	0.09	136		P2	TSH	-0.06		26	TSH	TSH
9	38	DSI	0.92	76		P1	05H	0.31			TEH	TEC
9	39	DNI	1.55	26		P1	05H	0.29			TEH	TEC
9	40	DSI	0.56	85		P1	03H	0.05			TEH	TEC
9	50	SCI	0.17	87		P2	TSH	-0.09		105	TSH	TSH
9	57	DSI	0.20	127		P1	02H	0.08			TEH	TEC
9	57	DSI	0.72	52		P1	03H	0.03			TEH	TEC
9	57	DSI	0.76	40		P1	04H	0.16			TEH	TEC
10	7	DSI	0.76	99		P1	02H	-0.05			TEH	TEC
10	7	DSI	0.44	100		P1	03H	0.03			TEH	TEC
10	8	DSI	1.28	62		P1	03H	-0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
10	19	DSI	0.62	64		P1	04H	0.03			TEH	TEC
10	29	DSI	0.89	70		P1	03H	0.00			TEH	TEC
10	36	SCI	0.22	126		P2	TSH	0.05		30	TSH	TSH
10	37	DSI	0.37	84		P1	03H	0.03			TEH	TEC
10	47	DNI	1.66	45		P1	02H	0.03			TEH	TEC
10	48	MCI	1.55	15		P2	TSH	0.16		87	TSH	TSH
10	52	SCI	0.17	130		P2	TSH	-0.03		37	TSH	TSH
10	57	DNI	1.97	31		P1	02H	-0.31			TEH	TEC
10	58	DNI	1.26	54		P1	03H	0.00			TEH	TEC
11	3	DNI	2.43	47		P1	04H	0.03			TEH	TEC
11	3	DNI	2.08	37		P1	08H	-0.03			TEH	TEC
11	5	DNI	2.37	53		P1	04H	0.05			TEH	TEC
11	14	SCI	0.11	86		P2	TSH	-0.07		49	TSH	TSH
11	48	DSI	1.21	36		P1	02H	0.13			TEH	TEC
11	48	DNI	1.91	42		P1	06H	0.00			TEH	TEC
11	48	DNI	1.81	49		P1	08H	-0.06			TEH	TEC
11	77	DSI	0.59	63		P1	05H	0.08			TEH	TEC
12	15	DSI	0.28	58		P1	03H	0.05			TEH	TEC
12	34	DSI	0.35	71		P1	02H	0.05			TEH	TEC
12	34	DNI	1.94	50		P1	06H	0.03			TEH	TEC
12	70	DSI	0.75	86		P1	03H	0.11			TEH	TEC
12	72	DSI	0.47	65		P1	02H	0.05			TEH	TEC
12	74	DSI	0.90	63		P1	03H	0.00			TEH	TEC
12	75	DNI	1.96	45		P1	05H	0.05			TEH	TEC
13	32	DSI	0.47	42		P1	02H	0.03			TEH	TEC
13	39	DSI	0.29	81		P1	03H	-0.16			TEH	TEC
13	39	DSI	0.65	89		P1	05H	0.21			TEH	TEC
13	49	DSI	0.29	82		P1	04H	0.08			TEH	TEC
13	84	DSI	0.61	51		P1	02H	0.05			TEH	TEC
13	85	DSI	0.86	66		P1	02H	0.05			TEH	TEC
14	20	DSI	0.47	59		P1	03H	0.08			TEH	TEC
14	25	DSI	0.59	74		P1	05H	0.11			TEH	TEC
14	27	DSI	0.45	139		P1	05H	0.19			TEH	TEC
14	53	DSI	0.37	54		P1	02H	0.00			TEH	TEC
14	65	DNI	3.56	46		P1	02H	-0.08			TEH	TEC
14	68	DSI	0.69	76		P1	02H	0.08			TEH	TEC
14	70	DSI	0.71	133		P1	03H	0.05			TEH	TEC
14	71	DNI	1.31	54		P1	03H	-0.08			TEH	TEC
15	47	DNI	1.35	34		P1	05H	-0.05			TEH	TEC
15	56	DNI	1.42	52		P1	04H	0.00			TEH	TEC
15	63	DNI	1.80	40		P1	06H	0.11			TEH	TEC
15	65	DNI	1.70	51		P1	03H	-0.05			TEH	TEC
15	74	DSI	1.92	48		P1	03H	-0.11			TEH	TEC
15	74	DNI	1.71	50		P1	05H	-0.08			TEH	TEC
15	80	DNI	2.33	55		P1	02H	-0.24			TEH	TEC
15	80	DNI	2.34	51		P1	04H	0.21			TEH	TEC
15	80	DNI	2.19	52		P1	05H	0.08			TEH	TEC
15	82	DSI	0.90	44		P1	03H	0.03			TEH	TEC
16	8	DSI	0.59	63		P1	03H	0.00			TEH	TEC
16	53	DSI	0.50	47		P1	03H	0.03			TEH	TEC
16	59	DNI	2.31	54		P1	03H	0.16			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
16	59	DSI	1.10	63		P1	04H	-0.18			TEH	TEC
16	70	DNI	1.64	55		P1	03H	0.16			TEH	TEC
16	72	DNI	1.99	52		P1	05H	0.00			TEH	TEC
17	26	DNI	1.40	50		P1	05H	0.00			TEH	TEC
17	27	DSI	0.33	58		P1	04H	0.16			TEH	TEC
17	32	DSI	0.97	64		P1	05H	0.18			TEH	TEC
17	39	DNI	1.70	31		P1	05H	0.24			TEH	TEC
17	46	DSI	0.65	34		P1	02H	0.03			TEH	TEC
17	59	DSI	0.31	90		P1	02H	0.08			TEH	TEC
17	76	DNI	1.99	49		P1	03H	-0.08			TEH	TEC
17	76	DNI	1.89	52		P1	07H	0.19			TEH	TEC
18	7	DSI	0.42	113		P1	04H	0.08			TEH	TEC
18	38	DSI	0.30	87		P1	02H	0.00			TEH	TEC
18	47	DSI	0.34	56		P1	02H	0.13			TEH	TEC
18	47	DSI	0.59	60		P1	05H	0.13			TEH	TEC
18	55	DNI	2.51	49		P1	05H	0.13			TEH	TEC
19	7	DSI	0.66	91		P1	02H	-0.03			TEH	TEC
19	8	DSI	0.56	105		P1	03H	-0.05			TEH	TEC
19	56	DSI	1.19	50		P1	03H	-0.10			TEH	TEC
19	56	DNI	1.46	53		P1	04H	-0.13			TEH	TEC
19	59	DNI	2.96	52		P1	02H	0.16			TEH	TEC
19	60	DSI	0.38	72		P1	02H	-0.03			TEH	TEC
20	9	DSI	0.52	100		P1	03H	0.03			TEH	TEC
20	43	DSI	0.29	90		P1	04H	0.08			TEH	TEC
20	61	DNI	1.56	55		P1	08H	0.00			TEH	TEC
20	62	DSI	0.84	143		P1	05H	-0.08			TEH	TEC
20	64	PCT	0.91	0	15	P2	AV1	0.00			TEH	TEC
20	64	PCT	1.10	0	17	P2	AV2	0.00			TEH	TEC
20	64	PCT	0.81	0	14	P2	AV3	0.00			TEH	TEC
20	64	WAR	0.38	128		2	AV1	0.00			08H	AV1
20	78	DSI	0.30	65		P1	04H	0.05			TEH	TEC
21	18	DSI	0.41	123		P1	04H	0.00			TEH	TEC
21	26	DSI	0.65	82		P1	05H	-0.05			TEH	TEC
21	34	DSI	0.38	83		P1	02H	0.10			TEH	TEC
21	39	DNI	1.26	55		P1	04H	-0.10			TEH	TEC
21	46	DSI	0.43	127		P1	02H	0.00			TEH	TEC
21	56	DNI	1.29	52		P1	05H	0.08			TEH	TEC
21	61	DNI	1.27	53		P1	03H	-0.05			TEH	TEC
21	72	DSI	0.55	73		P1	03H	0.00			TEH	TEC
21	73	DNI	1.68	35		P1	05H	0.16			TEH	TEC
21	77	DNI	1.59	26		P1	03H	-0.23			TEH	TEC
22	7	DSI	0.39	86		P1	02H	0.05			TEH	TEC
22	21	DSI	0.45	101		P1	03H	0.08			TEH	TEC
22	53	DNI	1.66	28		P1	03H	0.03			TEH	TEC
22	53	DNI	2.09	29		P1	04H	0.00			TEH	TEC
22	59	DNI	1.65	35		P1	05H	0.00			TEH	TEC
22	66	DNI	1.82	51		P1	03H	-0.03			TEH	TEC
22	66	DNI	1.54	50		P1	06H	0.03			TEH	TEC
22	76	DNI	1.51	39		P1	04H	0.03			TEH	TEC
23	11	DSI	1.05	29		P1	02H	0.00			TEH	TEC
23	11	DSI	0.35	75		P1	03H	0.03			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
23	14	SCI	0.15	105		P2	TSH	-0.07		77	TSH	TSH
23	19	DSI	0.89	50		P1	02H	0.00			TEH	TEC
23	19	DNI	1.63	46		P1	03H	0.26			TEH	TEC
23	19	DNI	1.62	55		P1	04H	0.13			TEH	TEC
23	20	DSI	0.34	84		P1	02H	0.00			TEH	TEC
24	16	DSI	0.32	152		P1	02H	0.10			TEH	TEC
24	16	DSI	0.37	108		P1	03H	0.05			TEH	TEC
24	24	DSI	0.34	102		P1	02H	0.00			TEH	TEC
24	33	DSI	0.51	75		P1	03H	0.03			TEH	TEC
25	21	DSI	0.30	50		P1	02H	0.13			TEH	TEC
25	33	DNI	1.74	51		P1	04H	-0.03			TEH	TEC
26	14	SCI	0.20	49		P2	TSH	-0.08		71	TSH	TSH
26	15	DSI	0.29	103		P1	03H	0.10			TEH	TEC
26	42	DSI	0.49	92		P1	02H	0.08			TEH	TEC
26	80	DSI	0.30	32		P1	05H	0.03			TEH	TEC
27	21	DSI	0.27	42		P1	02H	0.03			TEH	TEC
27	32	DSI	0.34	87		P1	02H	0.05			TEH	TEC
27	64	DSI	0.31	50		P1	02H	0.10			TEH	TEC
27	71	PCT	1.19	0	16	P2	AV2	-0.03			TEH	TEC
27	71	PCT	1.26	0	17	P2	AV3	0.00			TEH	TEC
27	72	PCT	1.84	0	24	P2	AV1	0.00			TEH	TEC
27	72	PCT	0.83	0	13	P2	AV4	0.63			TEH	TEC
27	72	WAR	0.23	108		2	AV4	0.63			AV4	AV4
27	75	DSI	0.25	152		P1	05H	0.05			TEH	TEC
28	13	DSI	0.40	124		P1	03H	0.10			TEH	TEC
28	26	DNI	1.41	47		P1	03H	0.05			TEH	TEC
28	26	DSI	0.72	61		P1	04H	0.05			TEH	TEC
28	39	DNI	1.41	54		P1	02H	0.10			TEH	TEC
28	46	DSI	0.27	43		P1	03H	-0.08			TEH	TEC
28	54	DSI	0.41	109		P1	02H	0.00			TEH	TEC
28	56	DNI	1.35	53		P1	02H	0.13			TEH	TEC
29	19	DSI	0.40	41		P1	02H	-0.05			TEH	TEC
29	24	DNI	1.39	52		P1	03H	-0.08			TEH	TEC
29	35	DNI	1.24	50		P1	04H	0.21			TEH	TEC
29	37	DNI	1.53	53		P1	04H	-0.03			TEH	TEC
29	65	DSI	0.78	19		P1	02H	0.10			TEH	TEC
29	67	DNI	1.30	45		P1	02H	-0.18			TEH	TEC
29	72	PCT	0.83	0	13	P2	AV1	0.00			TEH	TEC
29	72	WAR	0.25	130		2	AV1	0.00			08H	AV1
30	19	DSI	0.80	54		P1	02H	0.05			TEH	TEC
30	22	DSI	0.53	47		P1	02H	0.05			TEH	TEC
30	28	DSI	0.30	123		P1	03H	0.08			TEH	TEC
30	51	DSI	0.44	119		P1	04H	0.00			TEH	TEC
30	68	DSI	0.44	51		P1	02H	0.00			TEH	TEC
30	70	MCI	0.09	94		P2	TSH	0.03		30	TSH	TSH
31	14	DSI	0.43	143		P1	04H	0.10			TEH	TEC
31	18	DSI	1.22	50		P1	02H	0.05			TEH	TEC
31	18	DSI	0.81	63		P1	03H	0.08			TEH	TEC
31	22	DNI	1.47	35		P1	06H	0.16			TEH	TEC
31	34	DNI	1.34	48		P1	04H	0.05			TEH	TEC
31	39	DNI	1.62	52		P1	05H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
31	47	DSI	0.39	147		P1	02H	0.18			TEH	TEC
31	68	PCT	1.23	0	18	P2	AV2	-0.58			TEH	TEC
31	68	PCT	1.88	0	25	P2	AV3	0.00			TEH	TEC
31	68	WAR	0.35	125		2	AV2	0.00			08H	AV2
31	69	PCT	0.64	0	10	P2	AV3	0.00			TEH	TEC
32	18	DNI	1.28	46		P1	03H	0.10			TEH	TEC
32	22	DSI	0.61	65		P1	02H	0.08			TEH	TEC
32	27	DSI	0.41	29		P1	03H	0.08			TEH	TEC
32	45	DSI	0.58	42		P1	02H	0.10			TEH	TEC
32	51	DSI	0.63	80		P1	02H	-0.03			TEH	TEC
33	18	DSI	0.41	114		P1	02H	0.05			TEH	TEC
33	18	DSI	0.68	54		P1	03H	0.00			TEH	TEC
33	66	DSI	0.47	29		P1	02H	0.00			TEH	TEC
33	70	PCT	1.16	0	18	P2	AV1	0.21			TEH	TEC
33	70	WAR	0.46	123		2	AV1	0.00			08H	AV1
34	36	DNI	1.57	46		P1	04H	0.00			TEH	TEC
34	41	DNI	1.46	51		P1	04H	-0.03			TEH	TEC
34	46	PSI	9.48	167		8	03H	-0.11			TEH	TEC
34	48	PCT	2.87	0	32	P2	AV3	0.00			TEH	TEC
34	49	DNI	1.47	44		P1	02H	0.00			TEH	TEC
34	52	DSI	0.27	69		P1	02H	0.06			TEH	TEC
34	52	DNI	2.58	27		5	05H	47.33			TEH	TEC
34	52	DNG	12.20	186		1	05H	47.16			TEH	TEC
34	53	DSI	0.97	61		P1	02H	-0.03			TEH	TEC
34	55	DNI	1.33	54		P1	02H	0.13			TEH	TEC
34	56	DSI	0.18	48		P1	05H	0.05			TEH	TEC
34	70	PCT	1.22	0	18	P2	AV2	-0.08			TEH	TEC
34	70	PCT	1.45	0	21	P2	AV3	0.29			TEH	TEC
35	36	DSI	0.60	58		P1	03H	-0.03			TEH	TEC
35	38	DSI	1.17	49		P1	06H	0.11			TEH	TEC
35	40	DSI	0.82	43		P1	06H	0.21			TEH	TEC
35	45	DSI	0.69	57		P1	02H	0.06			TEH	TEC
35	45	DNI	2.01	39		P1	04H	0.00			TEH	TEC
35	45	DNI	1.84	40		P1	05H	0.00			TEH	TEC
35	49	DNI	1.26	30		P1	08H	0.00			TEH	TEC
35	66	SCI	0.16	50		P2	TSH	0.01		26	TSH	TSH
35	70	PCT	0.85	0	14	P2	AV3	0.00			TEH	TEC
35	70	WAR	0.41	113		2	AV3	-0.24			AV3	AV3
35	72	PCT	1.50	0	21	P2	AV1	0.00			TEH	TEC
35	72	PCT	1.15	0	17	P2	AV3	0.00			TEH	TEC
36	18	DNI	1.53	30		P1	02H	0.20			TEH	TEC
36	23	DNI	1.50	33		P1	06H	0.27			TEH	TEC
36	28	DSI	0.63	71		P1	03H	0.03			TEH	TEC
36	28	DSI	0.80	33		P1	04H	0.10			TEH	TEC
36	40	DSI	0.85	66		P1	03H	-0.05			TEH	TEC
36	44	DSI	0.78	72		P1	03H	-0.03			TEH	TEC
36	51	DNI	1.28	46		P1	05H	0.09			TEH	TEC
36	66	MCI	0.12	96		P2	TSH	-0.08		67	TSH	TSH
37	39	DSI	0.91	53		P1	03H	0.05			TEH	TEC
37	42	DSI	0.90	49		P1	03H	-0.03			TEH	TEC
37	43	DNI	2.12	41		P1	03H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
37	43	DNI	1.72	38		P1	07H	0.00			TEH	TEC
37	47	DNI	1.36	51		P1	03H	0.00			TEH	TEC
37	56	DSI	0.72	61		P1	03H	0.05			TEH	TEC
38	26	DNI	1.35	38		P1	05H	0.18			TEH	TEC
38	37	DNI	1.77	44		P1	03H	0.08			TEH	TEC
38	37	DNI	2.32	41		P1	04H	0.11			TEH	TEC
38	43	DNI	1.49	38		P1	07H	0.00			TEH	TEC
38	44	DSI	0.93	77		P1	02H	0.00			TEH	TEC
38	45	DNI	1.45	54		P1	05H	0.00			TEH	TEC
38	47	DNI	1.69	43		P1	03H	0.00			TEH	TEC
39	23	DSI	1.25	28		P1	02H	0.08			TEH	TEC
39	31	DNI	1.45	30		P1	04H	0.16			TEH	TEC
39	42	DSI	0.63	73		P1	02H	0.00			TEH	TEC
39	44	DSI	1.40	42		P1	05H	0.06			TEH	TEC
40	37	DSI	1.01	119		P1	03H	0.05			TEH	TEC
40	40	DSI	0.53	73		P1	03H	-0.08			TEH	TEC
40	51	DNI	1.89	46		P1	04H	0.14			TEH	TEC
40	56	DNI	1.34	53		P1	07H	0.00			TEH	TEC
40	66	PCT	0.85	0	13	P2	AV1	0.00			TEH	TEC
40	69	PCT	1.31	0	19	P2	AV3	-0.03			TEH	TEC
41	53	DNI	1.46	54		P1	06H	0.03			TEH	TEC
42	43	DNI	1.37	45		P1	06H	0.15			TEH	TEC
42	45	DNI	1.48	33		P1	06H	0.00			TEH	TEC
42	51	DNI	1.28	44		P1	05H	0.06			TEH	TEC
42	64	DSI	0.61	57		P1	04H	0.08			TEH	TEC
43	42	PCT	1.41	0	20	P2	AV1	0.03			TEH	TEC
43	43	DNI	1.45	41		P1	07H	-0.03			TEH	TEC
43	49	DNI	1.33	37		P1	03H	0.00			TEH	TEC
43	49	DNI	1.26	37		P1	06H	0.06			TEH	TEC
43	51	DNI	1.34	49		P1	04H	0.09			TEH	TEC
43	57	PCT	0.88	0	14	P2	AV1	0.00			TEH	TEC
44	42	PCT	1.26	0	19	P2	AV2	0.00			TEH	TEC
44	48	PCT	0.86	0	14	P2	AV1	0.00			TEH	TEC
44	48	PCT	0.57	0	10	P2	AV2	-0.23			TEH	TEC
44	55	PCT	1.50	0	21	P2	AV4	0.00			TEH	TEC
44	58	DSI	0.38	22		P1	06H	0.03			TEH	TEC

ATTACHMENT 4A

**BEAVER VALLEY UNIT #2
2R11 SG EXAMINATION
RESULTS**

2RCS-SG21A

**TUBES REMOVED FROM
SERVICE**

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21A
(TUBES REMOVED FROM SERVICE)

Page 1 of 1

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	45	SCI	0.07	88		P2	TSH	-0.14		41	TSH	TSH
4	48	SCI	0.24	103		P2	TSH	-0.03		49	TSH	TSH
8	41	SAI	0.11	94		6	TSH	0.44	0.21		TSH	TSH
9	36	SCI	0.09	136		P2	TSH	-0.06		26	TSH	TSH
9	50	SCI	0.17	87		P2	TSH	-0.09		105	TSH	TSH
10	36	SCI	0.22	126		P2	TSH	0.05		30	TSH	TSH
10	48	MCI	1.55	15		P2	TSH	0.16		87	TSH	TSH
10	52	SCI	0.17	130		P2	TSH	-0.03		37	TSH	TSH
11	14	SCI	0.11	86		P2	TSH	-0.07		49	TSH	TSH
23	14	SCI	0.15	105		P2	TSH	-0.07		77	TSH	TSH
26	14	SCI	0.2	49		P2	TSH	-0.08		71	TSH	TSH
30	70	MCI	0.09	94		P2	TSH	0.03		30	TSH	TSH
35	66	SCI	0.16	50		P2	TSH	0.01		26	TSH	TSH
36	66	MCI	0.12	96		P2	TSH	-0.08		67	TSH	TSH

ATTACHMENT 5

**BEAVER VALLEY UNIT #2
2R11 SG EXAMINATION
RESULTS**

2RCS-SG21B
TUBES WITH INDICATIONS

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21B
(TUBES WITH INDICATIONS)

Page 1 of 10

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
1	52	DSI	0.49	78		P1	02H	-0.02			08H	TEH
1	56	DSI	0.53	54		P1	02H	0.06			08H	TEH
1	57	DSI	0.65	49		P1	04H	-0.04			08H	TEH
2	10	DNI	1.47	55		P1	05H	0.06			08H	TEH
2	20	DSI	0.57	61		P1	03H	0.00			08H	TEH
2	24	DSI	0.46	114		P1	02H	-0.12			08H	TEH
2	28	DSI	0.67	61		P1	02H	0.00			08H	TEH
2	54	DSI	0.26	74		P1	04H	-0.01			08H	TEH
2	62	DSI	0.83	48		P1	03H	-0.01			08H	TEH
2	63	DSI	0.39	58		P1	04H	-0.03			08H	TEH
2	65	DNI	1.39	54		P1	04H	0.10			08H	TEH
2	67	DSI	0.42	88		P1	06H	0.03			08H	TEH
2	70	DSI	0.33	63		P1	05H	0.04			08H	TEH
3	43	DNI	1.36	29		P1	06H	0.01			08H	TEH
3	48	DNI	1.85	53		P1	04H	0.06			08H	TEH
3	53	DNI	1.38	54		P1	03H	0.00			08H	TEH
3	53	DNI	1.70	55		P1	04H	-0.03			08H	TEH
3	54	DSI	0.53	98		P1	02H	0.00			08H	TEH
3	60	DSI	0.69	82		P1	02H	0.00			08H	TEH
3	60	DSI	0.59	98		P1	03H	0.01			08H	TEH
3	61	DSI	1.78	42		P1	02H	0.00			08H	TEH
3	61	DNI	1.40	23		P1	05H	-0.22			08H	TEH
3	63	DSI	0.91	66		P1	02H	0.00			08H	TEH
3	63	DSI	0.64	71		P1	03H	-0.09			08H	TEH
3	72	DSI	0.60	64		P1	03H	0.00			08H	TEH
3	88	DSI	0.74	71		P1	04H	-0.04			08H	TEH
3	89	DSI	0.53	65		P1	04H	0.09			08H	TEH
4	23	DSI	0.36	121		P1	02H	0.04			08H	TEH
4	39	SAI	0.26	46		6	TSH	0.53	0.27		TSH	TSH
4	43	DSI	0.23	83		P1	02H	-0.02			08H	TEH
4	47	SCI	0.16	104		P2	TSH	0.04		75	TSH	TSH
4	48	DSI	0.53	72		P1	03H	0.00			08H	TEH
4	49	SCI	0.29	95		P2	TSH	0.01		31	TSH	TSH
4	54	DSI	0.49	104		P1	02H	0.00			08H	TEH
4	56	DSI	0.24	81		P1	04H	0.00			08H	TEH
4	57	DSI	0.49	94		P1	02H	0.07			08H	TEH
4	57	DSI	0.33	112		P1	04H	-0.03			08H	TEH
4	58	DSI	0.53	99		P1	02H	0.00			08H	TEH
5	12	DSI	0.46	84		P1	03H	0.10			TEH	TEC
5	20	DSI	0.72	59		P1	03H	0.10			TEH	TEC
5	22	DSI	0.64	61		P1	04H	0.10			TEH	TEC
5	28	DSI	0.62	71		P1	02H	0.00			TEH	TEC
5	52	DSI	1.01	64		P1	02H	-0.05			TEH	TEC
5	56	DSI	0.86	44		P1	03H	0.00			TEH	TEC
5	58	DSI	0.35	88		P1	02H	0.07			TEH	TEC
5	59	DNI	1.68	55		P1	03H	0.13			TEH	TEC
5	59	DNI	1.71	53		P1	04H	0.00			TEH	TEC
5	59	DNI	1.42	44		P1	07H	0.00			TEH	TEC
5	60	DSI	0.43	55		P1	02H	0.10			TEH	TEC
5	68	DSI	0.59	71		P1	02H	0.00			TEH	TEC
5	73	DSI	0.54	61		P1	02H	0.03			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21B
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
5	88	SCI	0.29	102		P2	TSH	-0.08		59	TSH	TSH
5	93	DSI	0.53	68		P1	03H	0.13			TEH	TEC
6	16	DSI	0.43	80		P1	03H	0.03			TEH	TEC
6	23	DSI	0.43	87		P1	04H	0.02			TEH	TEC
6	26	DSI	0.20	47		P1	02H	0.05			TEH	TEC
6	27	DSI	0.35	73		P1	03H	0.00			TEH	TEC
6	29	DNI	1.42	24		P1	05H	0.01			TEH	TEC
6	31	DSI	0.28	60		P1	03H	0.07			TEH	TEC
6	49	SCI	0.15	82		P2	TSH	0.01		30	TSH	TSH
6	49	DSI	0.56	52		P1	02H	0.08			TEH	TEC
6	49	DNI	1.69	47		P1	05H	0.03			TEH	TEC
6	52	DSI	0.40	108		P1	02H	-0.05			TEH	TEC
6	53	DSI	1.02	43		P1	02H	0.02			TEH	TEC
6	58	DSI	0.61	77		P1	02H	0.12			TEH	TEC
6	59	DNI	1.27	30		P1	06H	0.00			TEH	TEC
7	30	DNI	1.42	54		P1	05H	0.13			TEH	TEC
7	43	SAI	0.12	85		6	TSH	0.49	0.17		TSH	TSH
7	52	DSI	1.02	56		P1	02H	0.11			TEH	TEC
7	54	DSI	0.31	46		P1	02H	-0.03			TEH	TEC
7	56	DSI	0.70	96		P1	02H	0.13			TEH	TEC
7	62	DNI	1.27	33		P1	04H	0.03			TEH	TEC
7	63	DSI	0.49	65		P1	03H	0.08			TEH	TEC
8	2	DSI	0.58	94		P1	03H	0.08			TEH	TEC
8	3	DNI	1.31	49		P1	05H	0.01			TEH	TEC
8	9	DSI	0.49	112		P1	02H	0.10			TEH	TEC
8	15	DSI	0.53	89		P1	02H	-0.02			TEH	TEC
8	18	DSI	0.56	74		P1	02H	0.00			TEH	TEC
8	18	DSI	0.39	77		P1	03H	0.00			TEH	TEC
8	20	DSI	0.33	98		P1	02H	0.10			TEH	TEC
8	22	DSI	0.40	124		P1	02H	0.12			TEH	TEC
8	32	DSI	0.27	41		P1	03H	0.02			TEH	TEC
8	45	SCI	0.25	133		P2	TSH	-0.08		73	TSH	TSH
8	47	SAI	0.12	74		6	TSH	0.59	0.15		TSH	TSH
8	53	DSI	0.80	75		P1	02H	0.00			TEH	TEC
8	55	SCI	0.19	91		P2	TSH	-0.09		90	TSH	TSH
8	55	DSI	0.41	93		P1	02H	0.00			TEH	TEC
8	56	DSI	0.49	69		P1	03H	0.00			TEH	TEC
8	63	DNI	1.58	51		P1	04H	0.05			TEH	TEC
8	93	DNI	2.83	16		P1	04H	0.13			TEH	TEC
9	11	DSI	0.70	89		P1	02H	-0.03			TEH	TEC
9	11	DSI	0.51	58		P1	03H	0.05			TEH	TEC
9	16	DSI	0.49	60		P1	03H	0.03			TEH	TEC
9	17	DSI	0.86	94		P1	02H	0.08			TEH	TEC
9	18	DSI	0.53	93		P1	02H	-0.05			TEH	TEC
9	18	DNI	1.39	53		P1	03H	0.00			TEH	TEC
9	26	DSI	0.72	85		P1	02H	0.13			TEH	TEC
9	26	DSI	0.98	61		P1	03H	0.00			TEH	TEC
9	26	DNI	1.36	51		P1	06H	0.18			TEH	TEC
9	43	SCI	0.23	87		P2	TSH	0.00		34	TSH	TSH
9	44	MCI	0.26	123		P2	TSH	-0.04		72	TSH	TSH
9	46	SCI	0.31	127		P2	TSH	-0.05		68	TSH	TSH

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21B
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
9	46	DSI	0.29	102		P1	03H	0.00			TEH	TEC
9	46	DNI	1.50	27		P1	04C	-0.13			TEH	TEC
9	46	DSI	0.30	149		P1	04H	0.00			TEH	TEC
9	48	SCI	0.42	116		P2	TSH	-0.09		57	TSH	TSH
9	49	SCI	0.25	75		P2	TSH	-0.14		23	TSH	TSH
9	51	DNI	1.94	47		P1	02H	0.03			TEH	TEC
9	52	DSI	0.44	33		P1	02H	0.10			TEH	TEC
9	52	DSI	0.51	49		P1	03H	0.05			TEH	TEC
9	59	DSI	0.62	58		P1	03H	0.03			TEH	TEC
9	92	DSI	0.69	103		P1	02H	0.05			TEH	TEC
10	6	DSI	0.72	113		P1	02H	0.12			TEH	TEC
10	14	DSI	0.58	61		P1	02H	0.12			TEH	TEC
10	17	DSI	0.74	76		P1	02H	0.07			TEH	TEC
10	18	DSI	0.78	68		P1	02H	-0.02			TEH	TEC
10	22	SVI	0.20	116		6	TSH	-0.18	0.22	51	TSH	TSH
10	26	DSI	0.80	56		P1	02H	0.02			TEH	TEC
10	32	DSI	0.53	114		P1	03H	0.05			TEH	TEC
10	37	DSI	0.29	128		P1	03H	0.06			TEH	TEC
10	41	DSI	0.25	51		P1	07H	-0.03			TEH	TEC
10	44	MCI	0.22	111		P2	TSH	-0.04		57	TSH	TSH
10	45	SCI	0.19	102		P2	TSH	0.01		34	TSH	TSH
10	48	SCI	0.33	118		P2	TSH	-0.07		91	TSH	TSH
10	52	DSI	0.88	62		P1	02H	0.05			TEH	TEC
10	52	DSI	0.52	45		P1	04H	0.00			TEH	TEC
10	53	DSI	1.37	88		P1	02H	0.00			TEH	TEC
10	63	DSI	0.52	72		P1	02H	0.05			TEH	TEC
10	89	DSI	0.66	63		P1	02H	0.03			TEH	TEC
11	8	DSI	0.69	90		P1	03H	0.13			TEH	TEC
11	18	DSI	0.85	59		P1	02H	0.00			TEH	TEC
11	18	DNI	1.56	51		P1	07H	0.00			TEH	TEC
11	19	DSI	0.75	59		P1	03H	0.03			TEH	TEC
11	19	DNI	1.48	50		P1	05H	0.00			TEH	TEC
11	20	DSI	0.97	78		P1	02H	0.08			TEH	TEC
11	21	DSI	0.43	80		P1	03H	0.15			TEH	TEC
11	35	DSI	0.28	53		P1	02H	0.06			TEH	TEC
11	48	DSI	0.26	100		P1	03H	0.11			TEH	TEC
11	53	DSI	0.85	79		P1	02H	-0.08			TEH	TEC
11	55	DSI	0.77	53		P1	02H	0.05			TEH	TEC
11	55	DSI	0.44	48		P1	08H	0.08			TEH	TEC
11	58	DSI	0.69	76		P1	03H	0.10			TEH	TEC
11	59	DSI	0.55	93		P1	02H	0.13			TEH	TEC
11	59	DSI	0.92	63		P1	03H	0.03			TEH	TEC
11	59	DSI	0.20	120		P1	04H	0.08			TEH	TEC
11	60	DSI	0.34	110		P1	02H	0.05			TEH	TEC
11	60	DSI	0.77	105		P1	03H	-0.03			TEH	TEC
11	61	DSI	1.10	54		P1	02H	0.05			TEH	TEC
11	61	DSI	0.50	69		P1	03H	0.13			TEH	TEC
11	61	DNI	1.57	52		P1	07H	0.08			TEH	TEC
11	75	DSI	0.96	65		P1	02H	-0.02			TEH	TEC
11	83	DSI	0.58	64		P1	03H	0.10			TEH	TEC
11	83	DSI	0.68	52		P1	04H	0.10			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21B
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
12	10	DSI	0.59	91		P1	02H	0.10			TEH	TEC
12	15	DSI	0.65	63		P1	02H	0.05			TEH	TEC
12	15	DSI	0.61	89		P1	03H	-0.05			TEH	TEC
12	22	DSI	0.51	146		P1	02H	0.05			TEH	TEC
12	24	DSI	0.33	123		P1	04H	0.08			TEH	TEC
12	36	MCI	0.22	103		P2	TSH	-0.16		129	TSH	TSH
12	52	DSI	0.71	74		P1	02H	0.03			TEH	TEC
12	52	DSI	0.60	56		P1	03H	0.03			TEH	TEC
12	61	DSI	0.55	38		P1	03H	0.10			TEH	TEC
12	63	DNI	1.35	49		P1	06H	0.08			TEH	TEC
12	69	DNI	1.41	28		P1	02H	0.08			TEH	TEC
13	4	SCI	0.10	86		P2	TSH	-0.09		49	TSH	TSH
13	5	DNI	1.26	54		P1	05H	0.00			TEH	TEC
13	16	DSI	0.60	61		P1	02H	0.03			TEH	TEC
13	21	DNI	1.34	51		P1	05H	0.08			TEH	TEC
13	37	DSI	0.55	96		P1	03H	0.06			TEH	TEC
13	39	DSI	0.34	60		P1	07H	0.00			TEH	TEC
13	54	SCI	0.10	115		P2	TSH	-0.09		27	TSH	TSH
13	54	DSI	0.66	82		P1	02H	-0.03			TEH	TEC
13	54	DSI	0.49	95		P1	03H	0.08			TEH	TEC
13	56	DSI	0.64	123		P1	03H	0.05			TEH	TEC
13	73	DSI	0.40	75		P1	02H	0.05			TEH	TEC
13	78	DSI	0.29	94		P1	02H	0.00			TEH	TEC
13	85	DSI	0.51	70		P1	02H	0.08			TEH	TEC
13	86	DSI	0.43	58		P1	02H	0.10			TEH	TEC
14	8	DSI	0.72	141		P1	03H	0.00			TEH	TEC
14	15	DSI	0.43	72		P1	03H	0.10			TEH	TEC
14	25	DSI	0.42	79		P1	02H	0.07			TEH	TEC
14	27	DSI	0.33	64		P1	03H	0.02			TEH	TEC
14	32	DSI	0.45	100		P1	02H	0.12			TEH	TEC
14	36	DSI	0.44	82		P1	03H	0.12			TEH	TEC
14	54	DSI	0.52	61		P1	03H	0.03			TEH	TEC
14	55	DSI	0.40	111		P1	02H	0.05			TEH	TEC
14	57	DSI	0.70	70		P1	02H	0.05			TEH	TEC
14	61	DSI	0.34	106		P1	02H	0.00			TEH	TEC
14	61	DSI	0.94	62		P1	03H	-0.03			TEH	TEC
14	88	DSI	0.46	35		P1	02H	0.03			TEH	TEC
15	12	DSI	0.32	98		P1	03H	0.10			TEH	TEC
15	13	SCI	0.14	121		P2	TSH	-0.03		26	TSH	TSH
15	16	DNI	1.30	55		P1	08H	0.00			TEH	TEC
15	26	DSI	0.32	76		P1	03H	0.00			TEH	TEC
15	34	DNI	1.28	52		P1	03H	0.00			TEH	TEC
15	36	DSI	0.38	71		P1	02H	0.00			TEH	TEC
15	36	DSI	1.35	29		P1	03H	0.12			TEH	TEC
15	52	DSI	0.83	61		P1	02H	-0.03			TEH	TEC
15	66	DSI	0.52	67		P1	02H	-0.08			TEH	TEC
15	66	DSI	0.76	41		P1	03H	0.03			TEH	TEC
15	66	DNI	1.48	38		P1	06H	0.03			TEH	TEC
15	75	DSI	0.28	54		P1	02H	0.00			TEH	TEC
15	75	DSI	0.50	52		P1	04H	0.03			TEH	TEC
15	87	DSI	0.43	87		P1	02H	0.05			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
16	25	SCI	0.28	76		P2	TSH	-0.07		66	TSH	TSH
16	27	DSI	0.27	93		P1	03H	-0.05			TEH	TEC
16	28	DNI	1.35	40		P1	02H	-0.05			TEH	TEC
16	30	PCT	0.67	0	12	P2	AV2	0.00			TEH	TEC
16	31	DSI	0.38	75		P1	02H	0.20			TEH	TEC
16	37	DSI	0.54	37		P1	02H	0.11			TEH	TEC
16	37	DNI	1.42	44		P1	07H	0.06			TEH	TEC
16	39	SCI	0.14	120		P2	TSH	-0.27		23	TSH	TSH
16	39	DNI	1.42	26		P1	05H	0.00			TEH	TEC
16	42	DNI	1.40	41		P1	06H	0.00			TEH	TEC
16	61	DSI	0.49	68		P1	02H	0.03			TEH	TEC
17	25	DSI	0.74	56		P1	03H	0.00			TEH	TEC
17	26	DNI	1.47	41		P1	08H	0.00			TEH	TEC
17	30	DSI	1.32	66		P1	02H	0.00			TEH	TEC
17	33	DSI	0.95	89		P1	02H	0.13			TEH	TEC
17	34	DSI	0.68	69		P1	02H	0.05			TEH	TEC
17	34	DNI	1.43	53		P1	05H	0.00			TEH	TEC
17	35	DSI	0.52	62		P1	03H	0.12			TEH	TEC
17	38	DSI	0.11	72		P1	07H	0.06			TEH	TEC
17	39	DSI	0.63	75		P1	03H	-0.12			TEH	TEC
17	41	DSI	0.56	89		P1	03H	0.00			TEH	TEC
17	41	SAI	0.17	119		6	03H	-0.04	0.26		03H	03H
17	42	DSI	0.92	78		P1	03H	0.06			TEH	TEC
17	45	DSI	0.69	67		P1	02H	0.13			TEH	TEC
17	45	SAI	0.26	97		6	02H	0.14	0.26		02H	02H
17	48	DSI	0.54	50		P1	03H	0.08			TEH	TEC
17	62	DNI	1.65	17		P1	02H	0.05			TEH	TEC
17	64	DSI	0.27	104		P1	02H	0.05			TEH	TEC
17	65	DNI	1.27	51		P1	07H	0.03			TEH	TEC
17	68	DSI	0.51	83		P1	02H	0.05			TEH	TEC
17	68	DSI	0.41	26		P1	03H	0.08			TEH	TEC
17	68	DNI	1.33	31		P1	05H	0.23			TEH	TEC
17	78	DNI	1.30	46		P1	02H	0.08			TEH	TEC
17	84	DNI	1.90	51		P1	04H	0.13			TEH	TEC
18	12	DSI	0.28	47		P1	03H	0.00			TEH	TEC
18	18	DSI	0.80	89		P1	02H	0.00			TEH	TEC
18	21	DNI	1.52	35		P1	05H	0.00			TEH	TEC
18	21	DNI	1.39	40		P1	06H	0.00			TEH	TEC
18	28	DSI	0.96	50		P1	04H	-0.12			TEH	TEC
18	29	DSI	1.26	66		P1	02H	0.00			TEH	TEC
18	31	DSI	0.48	128		P1	02H	-0.05			TEH	TEC
18	36	DSI	0.88	60		P1	03H	-0.03			TEH	TEC
18	37	DSI	0.35	80		P1	03H	-0.09			TEH	TEC
18	38	DSI	0.48	68		P1	03H	-0.06			TEH	TEC
18	53	DSI	0.44	64		P1	03H	0.08			TEH	TEC
18	53	DNI	1.41	27		P1	04H	0.10			TEH	TEC
18	57	NQI	0.53	112		3	03C	17.14			TEH	TEC
18	58	DSI	0.84	92		P1	02H	-0.10			TEH	TEC
18	64	DSI	0.61	75		P1	03H	0.10			TEH	TEC
18	67	DSI	0.29	63		P1	02H	0.10			TEH	TEC
18	76	DSI	0.67	45		P1	03H	0.00			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
19	15	DSI	0.40	103		P1	02H	0.05			TEH	TEC
19	29	DSI	1.04	85		P1	02H	0.00			TEH	TEC
19	29	DSI	0.70	66		P1	03H	0.10			TEH	TEC
19	36	DSI	0.81	96		P1	02H	0.00			TEH	TEC
19	36	DNI	1.53	47		P1	05H	0.06			TEH	TEC
19	37	SCI	0.15	59		P2	TSH	-0.09		30	TSH	TSH
19	39	DSI	0.47	71		P1	03H	0.00			TEH	TEC
19	39	DSI	0.28	88		P1	04H	0.10			TEH	TEC
19	39	DSI	0.77	41		P1	03H	-0.10			TEH	TEC
19	39	DSI	0.23	63		P1	04H	0.05			TEH	TEC
19	50	DSI	0.89	67		P1	03H	0.08			TEH	TEC
19	51	DSI	0.31	53		P1	03H	0.03			TEH	TEC
19	71	DSI	0.35	61		P1	05H	0.03			TEH	TEC
19	74	DSI	0.28	110		P1	02H	0.00			TEH	TEC
19	76	DSI	0.44	63		P1	02H	0.08			TEH	TEC
19	78	DSI	0.50	56		P1	02H	-0.05			TEH	TEC
19	85	DSI	0.36	111		P1	02H	0.05			TEH	TEC
20	11	DSI	0.87	51		P1	02H	0.05			TEH	TEC
20	11	DNI	1.38	28		P1	07H	0.00			TEH	TEC
20	16	DSI	0.43	59		P1	03H	0.00			TEH	TEC
20	20	DNI	1.29	49		P1	03H	0.00			TEH	TEC
20	23	DSI	1.56	91		P1	02H	0.00			TEH	TEC
20	38	SCI	0.21	112		P2	TSH	-0.10		76	TSH	TSH
20	81	DSI	0.49	105		P1	02H	0.05			TEH	TEC
21	22	SAI	0.15	70		6	TSH	0.39	0.14		TSH	TSH
21	23	DNI	1.29	26		P1	07H	0.00			TEH	TEC
21	26	SAI	0.16	87		6	TSH	0.57	0.20		TSH	TSH
21	28	SCI	0.30	51		P2	TSH	-0.03		57	TSH	TSH
21	28	DNI	1.38	44		P1	03H	-0.05			TEH	TEC
21	45	DNI	1.39	29		P1	03H	0.00			TEH	TEC
21	52	DNI	1.60	50		P1	03H	0.00			TEH	TEC
21	52	DNI	1.33	51		P1	05H	0.18			TEH	TEC
21	53	DSI	0.40	80		P1	05H	0.08			TEH	TEC
21	54	DSI	0.90	64		P1	02H	-0.02			TEH	TEC
21	54	DNI	1.30	51		P1	05H	0.15			TEH	TEC
21	75	DSI	0.67	78		P1	02H	0.05			TEH	TEC
22	52	DSI	0.35	84		P1	02H	0.00			TEH	TEC
22	52	DSI	0.41	64		P1	03H	-0.05			TEH	TEC
22	53	DSI	0.43	92		P1	02H	-0.02			TEH	TEC
22	53	DNI	1.29	43		P1	03H	0.00			TEH	TEC
22	58	DSI	0.46	125		P1	02H	0.00			TEH	TEC
22	64	DSI	0.69	86		P1	02H	0.08			TEH	TEC
23	33	DSI	0.38	58		P1	03H	0.07			TEH	TEC
23	37	DNI	1.48	35		P1	02H	0.00			TEH	TEC
23	56	DSI	0.54	69		P1	02H	0.07			TEH	TEC
23	59	DNI	1.43	38		P1	06H	0.00			TEH	TEC
23	61	DSI	0.48	52		P1	02H	-0.05			TEH	TEC
23	76	DNI	1.28	50		P1	03H	0.15			TEH	TEC
23	86	PCT	1.79	0	22	P2	AV3	0.00			TEH	TEC
24	15	DNI	1.25	53		P1	02H	-0.05			TEH	TEC
24	30	DSI	0.23	122		P1	03H	0.15			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
24	42	DSI	0.84	83		P1	02H	0.00			TEH	TEC
24	52	DSI	0.62	66		P1	02H	0.07			TEH	TEC
24	56	DSI	0.39	81		P1	02H	0.00			TEH	TEC
24	62	DSI	0.65	67		P1	03H	0.05			TEH	TEC
24	71	DSI	0.35	48		P1	05H	0.08			TEH	TEC
24	81	DNI	1.32	17		P1	07H	0.03			TEH	TEC
25	17	DSI	0.24	88		P1	02H	0.12			TEH	TEC
25	17	DNI	1.39	52		P1	04H	0.00			TEH	TEC
25	23	PCT	0.96	0	14	P2	AV3	0.00			TEH	TEC
25	25	DNI	1.34	51		P1	06H	-0.02			TEH	TEC
25	29	DSI	0.36	65		P1	02H	0.10			TEH	TEC
25	38	DNI	1.32	52		P1	04H	0.00			TEH	TEC
25	47	DNI	1.28	51		P1	02H	0.00			TEH	TEC
25	52	DNI	1.32	54		P1	04H	0.00			TEH	TEC
25	64	DSI	0.37	38		P1	06H	0.08			TEH	TEC
25	79	DNI	1.58	53		P1	03H	0.00			TEH	TEC
25	79	DNI	1.25	53		P1	04H	0.21			TEH	TEC
26	25	DNI	1.26	43		P1	04H	0.15			TEH	TEC
26	30	DSI	0.43	55		P1	03H	-0.02			TEH	TEC
26	37	DNI	1.31	45		P1	03H	0.02			TEH	TEC
26	78	DSI	0.39	67		P1	02H	0.05			TEH	TEC
27	17	DNI	1.39	53		P1	04H	0.00			TEH	TEC
27	17	DNI	1.41	38		P1	07H	0.00			TEH	TEC
27	46	DNI	1.37	40		P1	02H	0.00			TEH	TEC
27	46	DSI	0.28	35		P1	06H	0.13			TEH	TEC
27	46	DNI	1.26	32		P1	08H	0.08			TEH	TEC
27	68	DSI	0.43	58		P1	02H	0.08			TEH	TEC
28	41	DSI	0.31	77		P1	02H	0.02			TEH	TEC
28	49	SCI	0.14	90		P2	TSH	-0.06		27	TSH	TSH
28	57	SCI	0.14	100		P2	TSH	-0.01		35	TSH	TSH
28	60	DNI	1.37	37		P1	04H	-0.05			TEH	TEC
28	70	PCT	1.93	0	25	P2	AV3	-0.03			TEH	TEC
28	70	PCT	1.40	0	21	P2	AV4	0.00			TEH	TEC
28	81	DSI	0.29	84		P1	02H	0.00			TEH	TEC
29	18	DNI	1.33	50		P1	07H	0.00			TEH	TEC
29	19	DNI	1.33	41		P1	03H	0.05			TEH	TEC
29	20	DSI	1.35	61		P1	03H	0.17			TEH	TEC
29	27	DSI	0.81	62		P1	03H	0.00			TEH	TEC
29	31	DSI	0.36	74		P1	05H	0.00			TEH	TEC
29	32	DSI	0.18	64		P1	03H	0.05			TEH	TEC
29	34	DSI	0.42	99		P1	03H	0.08			TEH	TEC
29	37	DSI	0.61	44		P1	03H	0.03			TEH	TEC
29	38	DSI	0.25	102		P1	02H	0.07			TEH	TEC
29	40	DSI	0.80	68		P1	03H	0.05			TEH	TEC
29	41	DSI	0.59	57		P1	02H	-0.02			TEH	TEC
29	48	DNI	1.44	39		P1	02H	0.00			TEH	TEC
29	53	DSI	0.60	61		P1	02H	0.00			TEH	TEC
29	57	DSI	0.46	65		P1	02H	0.05			TEH	TEC
30	24	DNI	1.34	50		P1	06H	0.08			TEH	TEC
30	26	DNI	1.34	46		P1	04H	0.00			TEH	TEC
30	27	DSI	0.43	97		P1	02H	-0.02			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
30	32	DSI	0.32	137		P1	03H	0.00			TEH	TEC
30	34	DNI	1.23	46		P1	04H	0.00			TEH	TEC
30	37	DSI	1.03	49		P1	02H	0.05			TEH	TEC
30	41	DNI	1.55	35		P1	02H	0.00			TEH	TEC
30	47	SCI	0.14	131		P2	TSH	-0.09		43	TSH	TSH
30	48	DSI	0.40	101		P1	02H	0.07			TEH	TEC
30	50	DSI	0.70	52		P1	04H	0.18			TEH	TEC
30	50	DNI	1.47	53		P1	06H	0.00			TEH	TEC
30	54	DNI	1.25	44		P1	06H	0.00			TEH	TEC
30	78	DSI	0.49	45		P1	02H	0.00			TEH	TEC
30	78	DSI	0.40	38		P1	04H	0.08			TEH	TEC
30	79	DSI	0.43	60		P1	02H	-0.05			TEH	TEC
30	81	DSI	0.44	90		P1	03H	0.03			TEH	TEC
31	31	DNI	1.37	55		P1	05H	0.00			TEH	TEC
31	32	DNI	1.86	45		P1	02H	0.00			TEH	TEC
31	32	DNI	1.56	53		P1	03H	0.00			TEH	TEC
31	37	DSI	0.60	55		P1	03H	-0.05			TEH	TEC
31	39	DSI	0.68	54		P1	03H	0.10			TEH	TEC
31	41	PCT	1.15	0	18	P2	AV3	0.00			TEH	TEC
31	49	DNI	1.39	33		P1	03H	0.00			TEH	TEC
31	49	DNI	1.31	30		P1	06H	0.00			TEH	TEC
31	50	DNI	1.26	51		P1	05H	0.22			TEH	TEC
31	52	DSI	0.60	61		P1	02H	0.02			TEH	TEC
31	59	PCT	1.91	0	25	P2	AV3	0.00			TEH	TEC
31	59	PCT	1.19	0	19	P2	AV4	0.00			TEH	TEC
31	59	WAR	0.50	121		P2	AV3	0.00			08C	AV3
31	59	WAR	0.31	124		P2	AV4	0.00			08C	AV3
31	65	DNI	1.34	53		P1	05H	0.18			TEH	TEC
31	71	DSI	0.26	101		P1	05H	0.13			TEH	TEC
31	75	DNI	1.35	48		P1	03H	0.20			TEH	TEC
31	76	DSI	0.88	101		P1	02H	0.02			TEH	TEC
31	78	DSI	0.69	65		P1	02H	-0.02			TEH	TEC
31	78	DSI	1.25	67		P1	03H	0.20			TEH	TEC
32	29	DSI	0.27	129		P1	05H	0.03			TEH	TEC
32	38	NQI	0.97	116		3	03C	46.71			TEH	TEC
32	50	PCT	1.96	0	24	P2	AV2	0.00			TEH	TEC
32	53	DSI	0.86	56		P1	02H	0.00			TEH	TEC
32	55	DSI	0.68	61		P1	02H	0.07			TEH	TEC
32	55	PCT	2.27	0	27	P2	AV3	0.00			TEH	TEC
32	55	PCT	1.46	0	22	P2	AV4	0.00			TEH	TEC
32	57	PCT	0.91	0	15	P2	AV1	0.00			TEH	TEC
32	57	PCT	0.97	0	16	P2	AV3	0.00			TEH	TEC
32	57	WAR	0.26	120		P2	AV1	0.00			08C	AV1
32	57	WAR	0.23	33		P2	AV3	0.00			08C	AV1
32	59	PCT	1.95	0	25	P2	AV3	0.17			TEH	TEC
32	61	DSI	0.41	78		P1	02H	0.07			TEH	TEC
32	77	DSI	0.52	74		P1	02H	0.00			TEH	TEC
33	31	DSI	0.46	53		P1	03H	0.05			TEH	TEC
33	32	DSI	0.90	118		P1	02H	0.02			TEH	TEC
33	37	DSI	0.29	142		P1	04H	0.07			TEH	TEC
33	40	PCT	1.22	0	18	P2	AV2	-0.20			TEH	TEC

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
33	40	PCT	1.15	0	18	P2	AV3	-0.20			TEH	TEC
33	40	WAR	0.46	117		P2	AV3	-0.20			08C	AV3
33	40	WAR	0.39	122		2	AV2	0.00			AV2	AV2
33	41	PCT	2.00	0	25	P2	AV2	0.37			TEH	TEC
33	41	PCT	1.03	0	16	P2	AV3	0.25			TEH	TEC
33	43	PCT	1.47	0	21	P2	AV2	0.00			TEH	TEC
33	43	WAR	0.45	129		2	AV2	0.00			08H	AV2
33	57	PCT	1.10	0	18	P2	AV1	0.00			TEH	TEC
33	57	PCT	1.27	0	20	P2	AV2	0.40			TEH	TEC
33	62	DSI	0.88	49		P1	02H	0.02			TEH	TEC
33	62	DNI	1.56	55		P1	04H	0.00			TEH	TEC
33	62	DNI	1.27	54		P1	07H	0.00			TEH	TEC
33	63	PCT	2.73	0	29	P2	AV2	-0.23			TEH	TEC
34	22	PCT	0.84	0	14	P2	AV4	0.00			TEH	TEC
34	22	WAR	0.26	147		P2	AV4	0.00			08C	AV4
34	26	DNI	1.43	31		P1	07H	0.08			TEH	TEC
34	35	DSI	0.37	130		P1	03H	0.08			TEH	TEC
34	36	DNI	1.84	26		P1	05H	0.00			TEH	TEC
34	37	DSI	0.23	53		P1	03H	0.00			TEH	TEC
34	48	DSI	0.42	72		P1	02H	0.00			TEH	TEC
34	48	DSI	0.51	60		P1	03H	0.08			TEH	TEC
34	50	PCT	1.94	0	25	P2	AV1	0.00			TEH	TEC
34	50	PCT	1.33	0	20	P2	AV3	0.00			TEH	TEC
34	51	DSI	1.15	44		P1	02H	0.09			TEH	TEC
34	51	DSI	0.55	60		P1	03H	0.06			TEH	TEC
34	55	PCT	0.91	0	15	P2	AV1	-0.03			TEH	TEC
34	55	PCT	3.27	0	32	P2	AV3	0.00			TEH	TEC
34	57	PCT	1.40	0	21	P2	AV2	0.00			TEH	TEC
34	57	WAR	0.54	127		2	AV2	0.00			AV2	AV2
35	19	PCT	0.84	0	14	P2	AV4	-0.12			TEH	TEC
35	21	PCT	1.07	0	16	P2	AV3	0.00			TEH	TEC
35	25	PCT	1.48	0	21	P2	AV2	0.00			TEH	TEC
35	25	PCT	1.75	0	23	P2	AV3	-0.18			TEH	TEC
35	25	WAR	0.39	116		2	AV2	0.00			07H	AV2
35	36	DNI	1.59	52		P1	05H	0.05			TEH	TEC
35	36	DNI	1.26	51		P1	06H	0.00			TEH	TEC
35	36	DNI	1.27	50		P1	07H	0.00			TEH	TEC
35	40	DSI	0.45	67		P1	02H	0.00			TEH	TEC
35	41	PCT	1.44	0	20	P2	AV1	0.07			TEH	TEC
35	41	PCT	2.43	0	27	P2	AV2	0.52			TEH	TEC
35	41	PCT	0.98	0	16	P2	AV3	0.00			TEH	TEC
35	41	PCT	2.78	0	29	P2	AV4	0.00			TEH	TEC
35	50	PCT	1.13	0	19	P2	AV1	0.00			TEH	TEC
35	50	PCT	1.32	0	21	P2	AV2	-0.67			TEH	TEC
35	50	PCT	1.89	0	23	P2	AV3	0.55			TEH	TEC
35	50	PCT	1.12	0	19	P2	AV4	0.00			TEH	TEC
35	54	PCT	1.01	0	16	P2	AV1	-0.01			TEH	TEC
35	58	DSI	0.20	109		P1	02H	0.07			TEH	TEC
35	63	PCT	1.40	0	19	P2	AV2	0.00			TEH	TEC
35	63	PCT	1.63	0	21	P2	AV3	0.00			TEH	TEC
35	63	WAR	0.22	103		2	AV2	0.00			08H	AV2

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21B
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
35	71	PCT	0.91	0	14	P2	AV4	0.00			TEH	TEC
36	18	PSI	18.34	162		8	06H	0.00			TEH	TEC
36	18	CSI	0.18	87		11	06H	0.07			06H	06H
36	19	PSI	13.50	159		8	06H	-0.15			TEH	TEC
36	19	CSI	0.74	145		9	06H	0.17			06H	06H
36	41	PCT	2.90	0	30	P2	AV1	0.00			TEH	TEC
36	41	PCT	1.62	0	22	P2	AV2	0.00			TEH	TEC
36	41	PCT	3.97	0	34	P2	AV3	0.00			TEH	TEC
36	42	DSI	0.30	99		P1	03H	0.13			TEH	TEC
36	50	PCT	1.30	0	19	P2	AV1	0.00			TEH	TEC
36	50	PCT	0.93	0	15	P2	AV2	0.00			TEH	TEC
36	55	PCT	0.48	0	9	P2	AV1	0.27			TEH	TEC
36	55	PCT	1.10	0	17	P2	AV2	0.00			TEH	TEC
36	55	WAR	0.17	108		2	AV1	0.27			AV1	AV1
36	56	DSI	0.68	74		P1	02H	0.00			TEH	TEC
36	63	PCT	1.38	0	20	P2	AV2	0.25			TEH	TEC
36	63	PCT	2.45	0	28	P2	AV3	0.00			TEH	TEC
36	63	WAR	0.56	111		P2	AV3	0.00			08C	AV3
36	63	WAR	0.26	110		P2	AV4	0.00			08C	AV3
37	29	PCT	1.64	0	22	P2	AV2	0.00			TEH	TEC
37	30	DNI	1.39	38		P1	04H	-0.10			TEH	TEC
37	32	DSI	0.42	36		P1	03H	0.12			TEH	TEC
37	41	PCT	0.95	0	15	P2	AV2	-0.81			TEH	TEC
37	57	DSI	0.42	85		P1	02H	-0.05			TEH	TEC
37	57	PCT	1.04	0	17	P2	AV2	0.00			TEH	TEC
37	57	PCT	1.29	0	19	P2	AV4	0.00			TEH	TEC
37	57	WAR	0.52	121		2	AV2	0.00			08H	AV2
38	35	DSI	0.38	66		P1	02H	-0.02			TEH	TEC
39	31	DSI	0.53	39		P1	05H	0.02			TEH	TEC
39	33	DSI	0.35	86		P1	03H	0.12			TEH	TEC
39	45	PCT	0.81	0	14	P2	AV4	0.03			TEH	TEC
39	48	PCT	1.38	0	20	P2	AV3	0.00			TEH	TEC
39	70	PCT	2.68	0	28	P2	AV3	0.00			TEH	TEC
40	42	DSI	0.37	164		P1	02H	-0.02			TEH	TEC
41	31	DSI	0.90	69		P1	05H	0.12			TEH	TEC
41	36	DNI	1.31	24		P1	03H	0.00			TEH	TEC
41	68	PCT	1.04	0	16	P2	AV1	0.00			TEH	TEC
41	68	WAR	0.26	123		2	AV1	0.00			AV1	AV1
42	28	PCT	1.23	0	18	P2	AV3	0.00			TEH	TEC
42	29	PCT	1.16	0	17	P2	AV1	0.00			TEH	TEC
42	45	DNI	2.00	41		P1	07H	0.00			TEH	TEC
42	47	PCT	1.58	0	21	P2	AV1	-0.06			TEH	TEC
42	51	DSI	0.24	47		P1	04H	0.15			TEH	TEC
42	55	PCT	1.18	0	18	P2	AV1	0.00			TEH	TEC
42	55	PCT	0.83	0	14	P2	AV2	0.00			TEH	TEC
42	55	WAR	0.38	117		2	AV1	0.00			AV1	AV1
44	48	DSI	0.36	128		P1	02H	0.06			TEH	TEC
44	58	DNI	1.86	17		P1	06H	0.07			TEH	TEC
44	59	DTI	4.91	146		P1	TEC	4.79			TEH	TEC
45	54	PSI	15.26	342		8	02H	-0.10			TEH	TEC
45	54	CSI	0.32	144		9	02H	-0.10			02H	02H

ATTACHMENT 5A

BEAVER VALLEY UNIT #2
2R11 SG EXAMINATION
RESULTS

2RCS-SG21B
TUBES REMOVED FROM
SERVICE

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21B
(TUBES REMOVED FROM SERVICE)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
4	39	SAI	0.26	46		6	TSH	0.53	0.27		TSH	TSH
4	47	SCI	0.16	104		P2	TSH	0.04		75	TSH	TSH
4	49	SCI	0.29	95		P2	TSH	0.01		31	TSH	TSH
5	88	SCI	0.29	102		P2	TSH	-0.08		59	TSH	TSH
6	49	SCI	0.15	82		P2	TSH	0.01		30	TSH	TSH
7	43	SAI	0.12	85		6	TSH	0.49	0.17		TSH	TSH
8	45	SCI	0.25	133		P2	TSH	-0.08		73	TSH	TSH
8	47	SAI	0.12	74		6	TSH	0.59	0.15		TSH	TSH
8	55	SCI	0.19	91		P2	TSH	-0.09		90	TSH	TSH
9	43	SCI	0.23	87		P2	TSH	0.00		34	TSH	TSH
9	44	MCI	0.26	123		P2	TSH	-0.04		72	TSH	TSH
9	46	SCI	0.31	127		P2	TSH	-0.05		68	TSH	TSH
9	48	SCI	0.42	116		P2	TSH	-0.09		57	TSH	TSH
9	49	SCI	0.25	75		P2	TSH	-0.14		23	TSH	TSH
10	22	SVI	0.20	116		6	TSH	-0.18	0.22	51	TSH	TSH
10	44	MCI	0.22	111		P2	TSH	-0.04		57	TSH	TSH
10	45	SCI	0.19	102		P2	TSH	0.01		34	TSH	TSH
10	48	SCI	0.33	118		P2	TSH	-0.07		91	TSH	TSH
12	36	MCI	0.22	103		P2	TSH	-0.16		129	TSH	TSH
13	4	SCI	0.10	86		P2	TSH	-0.09		49	TSH	TSH
13	54	SCI	0.10	115		P2	TSH	-0.09		27	TSH	TSH
15	13	SCI	0.14	121		P2	TSH	-0.03		26	TSH	TSH
16	25	SCI	0.28	76		P2	TSH	-0.07		66	TSH	TSH
16	39	SCI	0.14	120		P2	TSH	-0.27		23	TSH	TSH
17	41	SAI	0.17	119		6	03H	-0.04	0.26		03H	03H
17	45	SAI	0.26	97		6	02H	0.14	0.26		02H	02H
19	37	SCI	0.15	59		P2	TSH	-0.09		30	TSH	TSH
20	38	SCI	0.21	112		P2	TSH	-0.10		76	TSH	TSH
21	22	SAI	0.15	70		6	TSH	0.39	0.14		TSH	TSH
21	26	SAI	0.16	87		6	TSH	0.57	0.20		TSH	TSH
21	28	SCI	0.30	51		P2	TSH	-0.03		57	TSH	TSH
28	49	SCI	0.14	90		P2	TSH	-0.06		27	TSH	TSH
28	57	SCI	0.14	100		P2	TSH	-0.01		35	TSH	TSH
30	47	SCI	0.14	131		P2	TSH	-0.09		43	TSH	TSH

ATTACHMENT 6

**BEAVER VALLEY UNIT #2
2R11 SG EXAMINATION
RESULTS**

2RCS-SG21C
TUBES WITH INDICATIONS

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
2	21	DNI	1.40	30		P1	04H	0.00			08H	TEH
2	21	DNI	1.55	24		P1	06H	-0.03			08H	TEH
2	78	DSI	0.43	67		P1	03H	0.07			08H	TEH
2	85	DSI	0.49	45		P1	03H	-0.03			08H	TEH
3	4	DNI	1.34	46		P1	07H	-0.01			08H	TEH
3	9	DSI	0.19	101		P1	06H	0.02			08H	TEH
3	16	DNI	1.48	14		P1	03H	-0.06			08H	TEH
3	18	DSI	0.48	99		P1	03H	0.00			08H	TEH
3	39	DSI	0.51	63		P1	07H	0.09			08H	TEH
3	39	DSI	0.48	37		P1	07H	0.09			07H	08C
3	58	DSI	0.65	64		P1	02H	0.00			08H	TEH
3	60	DSI	0.53	79		P1	02H	0.03			08H	TEH
3	60	DSI	0.37	68		P1	03H	0.00			08H	TEH
3	64	DSI	0.46	78		P1	02H	0.00			08H	TEH
3	64	DSI	0.43	53		P1	03H	-0.03			08H	TEH
3	82	DNI	1.70	21		P1	05H	-0.03			08H	TEH
3	94	DNI	1.37	39		P1	05H	0.00			08H	TEH
4	32	DNI	1.28	51		P1	04H	-0.09			08H	TEH
4	35	SCI	0.23	100		P2	TSH	-0.04		30	TSH	TSH
4	35	DNI	1.29	47		P1	04H	-0.03			08H	TEH
4	39	DSI	0.48	61		P1	07H	0.06			08H	TEH
4	39	DSI	0.58	32		P1	07H	0.11			07H	08C
4	48	DSI	0.39	89		P1	02H	-0.07			08H	TEH
4	49	DSI	0.65	76		P1	03H	0.06			08H	TEH
4	69	DSI	0.60	81		P1	03H	0.03			08H	TEH
4	76	DSI	0.25	72		P1	03H	-0.03			08H	TEH
4	82	DNI	1.34	51		P1	05H	-0.01			08H	TEH
5	5	DSI	0.42	150		P1	05H	0.08			TEH	TEC
5	15	DSI	0.34	56		P1	03H	0.08			TEH	TEC
5	19	DSI	0.42	88		P1	02H	0.03			TEH	TEC
5	62	DSI	0.44	83		P1	02H	0.12			TEH	TEC
6	23	DSI	0.49	89		P1	02H	0.10			TEH	TEC
6	53	DNI	1.29	46		P1	06H	0.18			TEH	TEC
6	54	DSI	0.81	74		P1	03H	0.10			TEH	TEC
6	55	DSI	0.66	111		P1	02H	0.00			TEH	TEC
6	63	DSI	0.56	93		P1	02H	0.00			TEH	TEC
6	78	DSI	0.56	72		P1	03H	0.02			TEH	TEC
6	92	DSI	0.25	28		P1	04H	0.10			TEH	TEC
6	94	DNI	1.42	22		P1	05H	0.13			TEH	TEC
7	40	DSI	0.30	79		P1	04H	0.05			TEH	TEC
7	42	SAI	0.31	61		6	TSH	0.51	0.31		TSH	TSH
7	49	DSI	0.59	93		P1	02H	0.05			TEH	TEC
7	49	DSI	0.47	65		P1	03H	0.08			TEH	TEC
7	57	DNI	1.29	48		P1	04H	0.05			TEH	TEC
7	59	DNI	1.30	54		P1	04H	0.00			TEH	TEC
7	67	DSI	0.48	26		P1	02H	0.03			TEH	TEC
7	80	DSI	0.32	88		P1	03H	0.05			TEH	TEC
8	15	DSI	1.26	47		P1	03H	0.08			TEH	TEC
8	23	DSI	0.75	69		P1	02H	0.10			TEH	TEC
8	39	SCI	0.38	132		P2	TSH	-0.01		34	TSH	TSH
8	39	DSI	0.33	45		P1	05H	0.13			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
8	40	SCI	0.18	116		P2	TSH	-0.05		34	TSH	TSH
8	43	DSI	0.31	87		P1	03H	-0.05			TEH	TEC
8	63	DSI	0.30	83		P1	06H	-0.03			TEH	TEC
8	72	DSI	0.25	43		P1	03H	0.00			TEH	TEC
9	20	DSI	0.35	138		P1	04H	0.05			TEH	TEC
9	32	DSI	0.93	60		P1	02H	0.03			TEH	TEC
9	35	DSI	0.51	84		P1	02H	0.03			TEH	TEC
9	41	DSI	0.57	95		P1	02H	0.16			TEH	TEC
9	41	DSI	0.61	97		P1	02H	0.15			TEH	TEC
9	45	DSI	0.53	92		P1	05H	0.05			TEH	TEC
9	47	DSI	0.82	79		P1	02H	-0.03			TEH	TEC
9	54	DSI	0.47	85		P1	02H	-0.03			TEH	TEC
9	59	NQI	0.45	83		3	03C	41.95			TEH	TEC
9	65	DSI	0.35	50		P1	06H	0.10			TEH	TEC
9	92	DNI	1.73	27		P1	05H	0.10			TEH	TEC
10	9	DSI	0.32	179		P1	03H	-0.05			TEH	TEC
10	10	DSI	0.48	102		P1	02H	-0.09			TEH	TEC
10	24	DSI	0.57	70		P1	03H	0.12			TEH	TEC
10	37	DSI	0.94	85		P1	02H	0.00			TEH	TEC
10	43	DSI	0.62	100		P1	02H	0.03			TEH	TEC
10	47	SCI	0.45	118		P2	TSH	-0.04		84	TSH	TSH
10	51	DSI	2.45	38		P1	02H	0.03			TEH	TEC
10	51	DNI	1.73	39		P1	05H	0.08			TEH	TEC
10	54	DSI	0.80	81		P1	02H	0.05			TEH	TEC
10	54	DSI	0.56	82		P1	03H	0.13			TEH	TEC
10	54	DNI	1.59	47		P1	04H	0.10			TEH	TEC
10	72	DSI	0.57	76		P1	02H	-0.03			TEH	TEC
10	72	DSI	0.28	103		P1	03H	0.03			TEH	TEC
10	78	DSI	0.33	39		P1	03H	0.10			TEH	TEC
11	15	DNI	2.09	51		P1	03H	-0.10			TEH	TEC
11	36	DNI	1.91	40		P1	04H	0.00			TEH	TEC
11	36	DNI	1.57	40		P1	06H	0.00			TEH	TEC
11	44	DNI	1.72	51		P1	03H	0.16			TEH	TEC
11	44	DNI	1.56	24		P1	05H	0.13			TEH	TEC
11	48	DNI	1.41	23		P1	04H	0.00			TEH	TEC
11	49	DSI	0.63	55		P1	02H	0.10			TEH	TEC
11	49	DSI	0.41	51		P1	03H	0.13			TEH	TEC
11	53	DNI	1.30	39		P1	05H	-0.03			TEH	TEC
11	54	DNI	1.31	54		P1	03H	0.13			TEH	TEC
11	54	DNI	1.54	35		P1	06H	0.08			TEH	TEC
11	55	DNI	1.45	51		P1	02H	-0.03			TEH	TEC
11	62	DSI	0.57	36		P1	03H	0.08			TEH	TEC
11	70	DSI	0.38	66		P1	03H	0.00			TEH	TEC
11	72	DSI	0.64	60		P1	03H	0.08			TEH	TEC
12	30	DSI	0.43	78		P1	02H	0.07			TEH	TEC
12	59	DSI	0.92	45		P1	03H	0.16			TEH	TEC
12	59	DNI	1.65	42		P1	04H	0.00			TEH	TEC
12	70	DSI	0.46	87		P1	02H	0.02			TEH	TEC
12	70	DSI	0.30	95		P1	03H	0.08			TEH	TEC
12	83	DSI	0.28	64		P1	03H	0.08			TEH	TEC
13	35	DNI	1.49	54		P1	05H	0.00			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
13	43	DSI	0.35	100		P1	03H	0.10			TEH	TEC
13	59	DSI	0.34	50		P1	03H	0.05			TEH	TEC
13	63	DSI	0.29	46		P1	02H	0.05			TEH	TEC
13	64	DSI	0.79	65		P1	02H	0.05			TEH	TEC
14	38	DSI	0.52	65		P1	02H	0.03			TEH	TEC
14	39	DSI	0.51	59		P1	05H	0.03			TEH	TEC
14	43	DNI	1.43	51		P1	03H	0.00			TEH	TEC
14	50	DSI	0.73	87		P1	02H	-0.08			TEH	TEC
14	54	DSI	0.47	86		P1	02H	-0.03			TEH	TEC
15	5	DSI	0.70	51		P1	04H	0.13			TEH	TEC
15	14	DSI	0.50	69		P1	03H	0.06			TEH	TEC
15	35	DSI	0.21	117		P1	02H	0.00			TEH	TEC
15	35	DSI	0.61	53		P1	03H	0.00			TEH	TEC
15	37	DNI	1.39	55		P1	02H	0.00			TEH	TEC
15	37	DNI	1.32	53		P1	05H	0.00			TEH	TEC
15	39	DSI	0.50	102		P1	02H	0.05			TEH	TEC
15	39	DSI	0.54	110		P1	02H	0.03			TEH	TEC
15	39	DSI	0.52	105		P1	02H	0.05			TEH	TEC
15	41	DSI	0.42	72		P1	03H	0.00			TEH	TEC
15	62	DSI	0.14	82		P1	02H	0.00			TEH	TEC
15	80	DSI	0.42	93		P1	03H	-0.05			TEH	TEC
15	87	DSI	0.44	116		P1	03H	-0.05			TEH	TEC
16	42	DTI	4.83	164		P1	TEH	2.82			TEH	TEC
16	57	DSI	0.53	63		P1	03H	0.10			TEH	TEC
16	73	DSI	0.48	68		P1	02H	0.03			TEH	TEC
17	37	DNI	1.28	39		P1	07H	0.16			TEH	TEC
17	43	DNI	1.26	48		P1	03H	0.00			TEH	TEC
17	44	DNI	1.45	42		P1	03H	0.00			TEH	TEC
17	61	DSI	0.88	65		P1	02H	0.05			TEH	TEC
17	63	DSI	0.46	60		P1	02H	0.05			TEH	TEC
17	67	DSI	0.73	100		P1	02H	0.00			TEH	TEC
18	15	DNI	1.84	49		P1	02H	-0.14			TEH	TEC
18	15	DSI	0.29	111		P1	06H	0.11			TEH	TEC
18	36	DNI	1.37	46		P1	04H	0.00			TEH	TEC
18	48	DSI	1.46	57		P1	02H	-0.05			TEH	TEC
18	48	DSI	0.78	70		P1	03H	0.03			TEH	TEC
18	48	DSI	0.67	60		P1	04H	0.05			TEH	TEC
18	51	DSI	0.74	79		P1	02H	0.05			TEH	TEC
18	51	DNI	1.36	52		P1	04H	0.13			TEH	TEC
18	53	DSI	0.70	67		P1	02H	0.05			TEH	TEC
18	53	DNI	1.32	50		P1	03H	0.21			TEH	TEC
18	53	DNI	1.36	48		P1	04H	0.18			TEH	TEC
18	54	DSI	0.63	95		P1	03H	0.03			TEH	TEC
18	54	DNI	1.28	38		P1	06H	0.00			TEH	TEC
18	55	DNI	1.69	53		P1	03H	0.00			TEH	TEC
18	56	DNI	1.40	55		P1	02H	-0.03			TEH	TEC
18	56	DNI	1.30	45		P1	06H	0.00			TEH	TEC
18	59	DNI	1.39	53		P1	03H	0.05			TEH	TEC
18	62	DSI	0.64	91		P1	03H	-0.05			TEH	TEC
18	63	SCI	0.08	116		P2	TSH	0.00		30	TSH	TSH
18	67	DSI	0.72	85		P1	02H	0.00			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
18	67	DSI	0.77	60		P1	03H	0.08			TEH	TEC
18	73	DSI	0.28	55		P1	03H	0.08			TEH	TEC
19	20	DNI	2.14	29		P1	02H	-0.16			TEH	TEC
19	35	DSI	0.96	49		P1	03H	0.00			TEH	TEC
19	38	DSI	1.01	46		P1	05H	0.10			TEH	TEC
19	39	DNI	1.55	49		P1	07H	0.11			TEH	TEC
19	47	DNI	1.28	54		P1	02H	0.00			TEH	TEC
19	47	DNI	1.66	42		P1	04H	0.13			TEH	TEC
19	48	DSI	0.73	68		P1	03H	0.08			TEH	TEC
19	54	DNI	1.29	55		P1	05H	0.03			TEH	TEC
19	57	DSI	0.44	49		P1	04H	0.08			TEH	TEC
19	57	DSI	0.69	55		P1	05H	-0.03			TEH	TEC
19	79	DNI	1.99	54		P1	04H	0.08			TEH	TEC
20	12	DNI	1.29	39		P1	04H	0.06			TEH	TEC
20	13	DNI	1.28	49		P1	05H	0.06			TEH	TEC
20	85	DSI	0.27	127		P1	03H	0.10			TEH	TEC
21	18	DSI	0.42	117		P1	03H	0.17			TEH	TEC
21	62	DSI	0.60	83		P1	02H	0.08			TEH	TEC
21	83	NQI	0.54	114		3	TSC	14.37			TEH	TEC
22	20	DNI	1.60	47		P1	04H	-0.03			TEH	TEC
22	24	DSI	0.32	74		P1	03H	0.03			TEH	TEC
22	61	DSI	0.45	75		P1	03H	0.10			TEH	TEC
23	10	DSI	0.39	67		P1	02H	0.08			TEH	TEC
23	28	DSI	0.45	72		P1	03H	0.08			TEH	TEC
23	37	DSI	0.85	67		P1	02H	0.00			TEH	TEC
23	39	DSI	0.54	91		P1	02H	0.11			TEH	TEC
23	39	DSI	0.72	45		P1	05H	0.05			TEH	TEC
23	42	DSI	0.62	73		P1	02H	0.08			TEH	TEC
23	42	DSI	0.71	92		P1	03H	0.03			TEH	TEC
23	60	DSI	0.59	97		P1	02H	0.15			TEH	TEC
23	69	DSI	0.27	34		P1	03H	0.10			TEH	TEC
24	34	DNI	1.82	48		P1	03H	0.14			TEH	TEC
24	41	DSI	0.45	73		P1	02H	0.03			TEH	TEC
24	48	DSI	1.23	66		P1	03H	0.10			TEH	TEC
24	50	DSI	0.48	73		P1	02H	0.00			TEH	TEC
24	57	DSI	0.62	93		P1	02H	0.05			TEH	TEC
24	61	DSI	0.44	89		P1	02H	0.12			TEH	TEC
25	26	DSI	0.20	90		P1	04H	0.06			TEH	TEC
25	31	DSI	0.46	92		P1	02H	0.11			TEH	TEC
25	34	DSI	0.70	69		P1	02H	0.11			TEH	TEC
25	47	DSI	0.90	37		P1	03H	0.00			TEH	TEC
25	54	DSI	0.43	87		P1	02H	-0.02			TEH	TEC
25	65	DSI	0.63	94		P1	02H	0.00			TEH	TEC
25	79	DSI	0.42	83		P1	02H	0.05			TEH	TEC
26	26	DTI	5.77	158		P1	TEC	15.89			TEH	TEC
26	39	DSI	0.51	40		P1	05H	0.08			TEH	TEC
26	42	DSI	0.75	58		P1	02H	0.00			TEH	TEC
26	70	DSI	0.53	82		P1	03H	0.10			TEH	TEC
27	20	DSI	0.58	78		P1	02H	0.00			TEH	TEC
27	20	DNI	1.39	52		P1	05H	0.00			TEH	TEC
27	31	DNI	1.28	52		P1	05H	0.25			TEH	TEC

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21C
(TUBES WITH INDICATIONS)

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Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
27	31	DNI	1.29	53		P1	06H	0.06			TEH	TEC
27	60	DSI	0.57	70		P1	02H	0.10			TEH	TEC
27	76	DSI	0.40	35		P1	03H	0.08			TEH	TEC
28	42	DSI	0.50	123		P1	02H	0.03			TEH	TEC
28	44	DSI	0.62	115		P1	02H	0.00			TEH	TEC
28	73	DSI	0.88	76		P1	03H	0.15			TEH	TEC
28	85	DSI	0.18	121		P1	02H	0.00			TEH	TEC
29	37	DSI	0.49	53		P1	02H	0.10			TEH	TEC
29	47	DSI	0.49	81		P1	02H	0.00			TEH	TEC
29	63	DSI	0.75	59		P1	05H	0.15			TEH	TEC
29	66	DNI	1.48	46		P1	04H	0.03			TEH	TEC
30	31	DSI	0.44	82		P1	03H	0.06			TEH	TEC
30	41	DSI	0.34	76		P1	02H	0.37			TEH	TEC
30	60	DSI	0.81	75		P1	02H	0.00			TEH	TEC
30	61	DSI	0.90	68		P1	02H	0.05			TEH	TEC
30	63	DSI	0.74	41		P1	04H	0.00			TEH	TEC
30	81	NQI	0.54	82		3	04C	14.89			TEH	TEC
31	22	DSI	0.35	73		P1	02H	0.08			TEH	TEC
31	49	DSI	0.38	61		P1	02H	0.08			TEH	TEC
31	56	NQI	0.46	114		3	03H	7.35			TEH	TEC
32	51	DNI	1.66	26		P1	04H	0.03			TEH	TEC
34	24	DNI	1.60	48		P1	04H	0.11			TEH	TEC
34	58	DSI	0.60	88		P1	02H	0.05			TEH	TEC
34	59	DSI	0.75	66		P1	02H	0.08			TEH	TEC
36	20	DSI	0.42	51		P1	03H	0.08			TEH	TEC
37	67	PCT	1.24	0	19	P2	AV2	0.00			TEH	TEC
37	67	PCT	2.48	0	28	P2	AV3	0.00			TEH	TEC
37	67	WAR	0.52	136		2	AV2	0.00			AV2	AV2
37	67	WAR	0.64	127		2	AV3	0.00			AV3	AV3
37	70	PVN	2.98	25		6	TSH	-1.22			TSH	TSH
37	70	PVN	7.14	35		6	TSH	-0.12			TSH	TSH
40	53	DSI	0.53	138		P1	04H	0.08			TEH	TEC

ATTACHMENT 6A

**BEAVER VALLEY UNIT #2
2R11 SG EXAMINATION
RESULTS**

2RCS-SG21C
**TUBES REMOVED FROM
SERVICE**

Beaver Valley Unit #2
2R11 SG Examination Results
2RCS-SG21C
(TUBES REMOVED FROM SERVICE)

Page 1 of 1

Row	Col	Ind	Volts	Phase	%TW	Chan	Loc	Inch1	Cr-Length	Cr-Angle	From	To
4	35	SCI	0.23	100		P2	TSH	-0.04		30	TSH	TSH
7	42	SAI	0.31	61		6	TSH	0.51	0.31		TSH	TSH
8	39	SCI	0.38	132		P2	TSH	-0.01		34	TSH	TSH
8	40	SCI	0.18	116		P2	TSH	-0.05		34	TSH	TSH
10	47	SCI	0.45	118		P2	TSH	-0.04		84	TSH	TSH
18	63	SCI	0.08	116		P2	TSH	0.00		30	TSH	TSH
37	70	PVN	2.98	25		6	TSH	-1.22			TSH	TSH
37	70	PVN	7.14	35		6	TSH	-0.12			TSH	TSH

ENCLOSURE 3

DEFINITIONS

ENCLOSURE 3 (Page 1 of 2)

Report Header Definitions

Term	Definition
Row/Col	Row & Column of tube location
Ind	Type of indication (See data analysis acronyms below)
Volts	Voltage amplitude of an indication
Phase	Angular rotation of indication
%TW	Percentage through wall of indication
Chan	Frequency channel from which indication was recorded
Loc	Location of nearest support structure
Inch1	Indication distance from nearest support structure
Cr-Length	Field measured crack length
Cr-Angle	Field measured crack phase angle
From	Starting point of examination
To	End point of examination

Data Analysis (Indication) Acronym Definitions

Term	Bobbin Coil Definitions
DNG	Ding (Free-Span Region of Tube)
DNI	Dent/Ding with an Indication
DNT	Dent (Contained within Tube Support Plate)
DSI	Distorted Support Plate Signal with Possible Indication
DTI	Distorted Tubesheet Signal with Possible Indication
FSI	Free-Span Indication
MBM	Manufacture's Burnish Mark
MBI	Manufacture's Burnish Mark with Possible Indication
NQI	Non-Quantifiable Indication
PCT	Percent Through Wall
PSI	Possible Tube Support Plate (Ligament) Indication
PVN	Permeability Variation
SPR	Support Plate Residual Signal
Term	Plus Point Definitions
CSI	Confirmed Tube Support Plate (Ligament) Indication
DSO	Distorted Support Plate Signal Extending Outside
MAI	Multiple Axial Indications
MCI	Multiple Circumferential Indications
PVN	Permeability Variation
SAI	Single Axial Indication
SCI	Single Circumferential Indication
SSA	Secondary Side Anomaly
SVI	Single Volumetric Indication
WAR	Wear
VOL	Volumetric Indication

Sleeve Definitions

Term	Definition
PIU	Non-Flaw Condition Within Weld
PTA	Parent Tube Flaw Not in Pressure Boundary
PTF	Parent Tube Flaw
PTP	Parent Tube Problems (Indications Behind Sleeve)
SBH	Hot Leg Tubesheet Sleeve (Bottom)
STH	Hot Leg Tubesheet Sleeve (Top)
1SH	1 st Hot Leg Tube Support Plate Sleeve (Top)
1UH	1 st Hot Leg Tube Support Plate Sleeve (Upper)
2SH	2 nd Hot Leg Tube Support Plate Sleeve (Top)
2UH	2 nd Hot Leg Tube Support Plate Sleeve (Upper)

Examination Extent Definitions (From – To)

Term	Definition
TEH	Tube End - Hot Leg
TSH	Hot Leg Tubesheet
TEC	Tube End Cold Leg
TSC	Cold Leg Tubesheet
01H	1 st Tube Support Plate on Hot Leg Side
01C	1 st Tube Support Plate on Cold Leg Side
AVB1	1 st Anti-Vibration Bar (Numbered hot leg to cold leg)