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U. S. Nuclear Regulatory Commission
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Subject: Duke Power Company, Oconee Nuclear Station, Unit 3
Docket Number 50-287
EOC-20 Refueling Outage, May 2003
Steam Generator Inservice Inspection - Three-Month Report

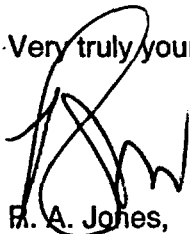
As required by Technical Specification 5.6.8.b, the results of the Steam Generator Tube Inservice Inspection performed during the Unit 3 End of Cycle 20 refueling outage are submitted as Enclosure A for your review.

Enclosure B provides a supplemental Inspection Assessment we believe will be helpful in reviewing the overall results of our steam generator inspections. Enclosure B also provides a summary of estimated primary-to-secondary leakage from the SGs in their as-found condition following a postulated Loss of Coolant Accident. This summary is required by License Condition 6 described in NRC letter to Duke Energy Corporation, dated December 15, 2000.

Enclosure C provides a copy of the steam generator tube inservice inspection summary report provided to the NRC per American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 for the subject refueling outage.

If there are any questions you may contact R. C. Douglas at (864) 885-3073.

Very truly yours,



R. A. Jones,
Site Vice President,
Oconee Nuclear Station

Enclosures

A047

xc w/enclosures:

Mr. Luis A. Reyes
Regional Administrator, Region II

xc w/o enclosures:

Mr. M. C. Shannon
NRC Senior Resident Inspector

Mr. L. E. Olshan
ONRR, Senior Project Manager

ENCLOSURE A

INSPECTION RESULTS

1. The following number of tubes were inspected from the inlet or outlet of the steam generators:

<u>Steam Generator</u>	<u>Quantity</u>	<u>Inspection Method</u>
A	14,294	Bobbin
A	14,294	MRPC
B	14,716	Bobbin
B	14,716	MRPC

2. The following information is submitted concerning tube indications of imperfections. (The attached lists identify the tubes with imperfections, their locations, and their size.)

<u>Steam Generator</u>	<u>Attachment</u>	<u>Inspection Method</u>
A	1	Bobbin
B	2	Bobbin
A	3	MRPC/Plus Point
B	4	MRPC/Plus Point

3. The following numbers of tubes were removed from service by plugging. (The tubes are identified in the attachments.)

<u>Steam Generator</u>	<u>Number of Tubes Removed from Service</u>	<u>Attachment</u>
A	396 for Eddy Current indications	5
A	19 to capture non-stabilized plugged tube locations	6
B	194 for Eddy Current indications	7
B	9 to capture non-stabilized plugged tube locations	8

4. The following number of tubes were repaired in the upper tube sheet by rerolling.
(The tubes are identified in the attachments):

<u>Steam Generator</u>	<u>Number of Tubes Repaired by Rerolling</u>	<u>Attachment</u>
A	* 22	9
B	** 28	10

* 19 of these remain in service, three were plugged.

** 27 of these remain in service, one was plugged.

5. No tubes were repaired by sleeving during this outage.

Summary of Attachments

<u>Attachment Number</u>	<u>Steam Generator</u>	<u>Description</u>
1	S/G A	Bobbin
2	S/G B	Bobbin
3	S/G A	MRPC and Plus Point
4	S/G B	MRPC and Plus Point
5	S/G A	Plugged Tubes (EC Indications)
6	S/G A	Plugged Tubes (Tube Capture)
7	S/G B	Plugged Tubes (EC Indications)
8	S/G B	Plugged Tubes (Tube Capture)
9	S/G A	Tubes Rerolled
10	S/G B	Tubes Rerolled

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
1	1	0.69	96	3	NQI		013	+4.14	UTE	LTE				137		510UL	04/03 RFO
		20.13	186	P 1	DNT		015	-0.39	UTE	LTE				137		510UL	04/03 RFO
		53.78	183	P 1	DNT		015	+0.45	UTE	LTE				137		510UL	04/03 RFO
1	3	12.17	184	P 1	DNT		015	-0.52	UTE	LTE				137		510UL	04/03 RFO
		2.77	60	6	ADI		014	+31.38	UTE	LTE				137		510UL	04/03 RFO
1	5	13.80	202	P 1	DNT		UTS	+0.04	UTE	LTE				137		510UL	04/03 RFO
		0.89	95	3	NQI		015	+1.36	UTE	LTE				137		510UL	04/03 RFO
		3.97	21	6	ADI		014	+31.73	UTE	LTE				137		510UL	04/03 RFO
		8.27	185	P 1	DNT		015	+0.75	UTE	LTE				137		510UL	04/03 RFO
		0.81	98	3	NQI		015	+2.04	UTE	LTE				137		510UL	04/03 RFO
		2.15	56	6	ADI		015	+32.62	UTE	LTE				137		510UL	04/03 RFO
1	8	0.55	121	3	NQI		015	+12.24	UTE	LTE				78		510UL	04/03 RFO
		0.43	119	3	NQI		015	+9.40	UTE	LTE				78		510UL	04/03 RFO
		0.49	127	3	NQI		015	+7.72	UTE	LTE				78		510UL	04/03 RFO
1	11	0.93	136	3	NQI		011	+4.70	UTE	LTE				74		510UL	04/03 RFO
1	13	1.25	130	3	NQI		011	+4.10	UTE	LTE				74		510UL	04/03 RFO
		1.09	143	3	NQI		011	+5.10	UTE	LTE				74		510UL	04/03 RFO
1	15	0.46	108	3	NQI		011	+3.65	UTE	LTE				78		510UL	04/03 RFO
		0.69	122	3	NQI		011	+2.70	UTE	LTE				78		510UL	04/03 RFO
		0.64	117	3	NQI		010	+21.49	UTE	LTE				78		510UL	04/03 RFO
2	1	1.03	110	3	NQI		015	+2.09	UTE	LTE				137		510UL	04/03 RFO
		1.26	127	3	NQI		014	+2.98	UTE	LTE				137		510UL	04/03 RFO
		1.02	123	3	NQI		013	+5.03	UTE	LTE				137		510UL	04/03 RFO
		0.91	134	3	NQI		012	+7.97	UTE	LTE				137		510UL	04/03 RFO
		0.66	75	3	NQI		011	+13.04	UTE	LTE				137		510UL	04/03 RFO
2	2	0.64	110	3	NQI		013	+5.58	UTE	LTE				137		510UL	04/03 RFO
		0.46	111	3	NQI		012	+6.80	UTE	LTE				137		510UL	04/03 RFO
2	3	28.73	174	P 1	DNT		015	+0.38	UTE	LTE				110		510UL	04/03 RFO
		19.87	177	P 1	DNT		015	-0.38	UTE	LTE				110		510UL	04/03 RFO
		1.10	141	3	NQI		012	+5.19	UTE	LTE				110		510UL	04/03 RFO
		24.10	179	3	DNT		LTE	+10.92	UTE	LTE				110		510UL	04/03 RFO
		1.93	106	3	NQI		013	+4.72	UTE	LTE				110		510UL	04/03 RFO
2	6	0.95	122	3	NQI		015	+2.29	UTE	LTE				137		510UL	04/03 RFO
2	7	14.32	178	P 1	DNT		015	+0.43	UTE	LTE				110		510UL	04/03 RFO
		29.22	178	P 1	DNT		015	-0.69	UTE	LTE				110		510UL	04/03 RFO
		0.73	110	3	NQI		014	+31.10	UTE	LTE				110		510UL	04/03 RFO
		0.65	54	P 1	NQI		014	-0.38	UTE	LTE				110		510UL	04/03 RFO
		0.68	57	P 1	NQI		009	+0.50	UTE	LTE				110		510UL	04/03 RFO
2	8	0.35	85	3	NQI		013	+24.76	UTE	LTE				137		510UL	04/03 RFO
		0.32	36	3	NQI		015	+31.94	UTE	LTE				137		510UL	04/03 RFO
2	11	13.59	202	P 1	DNT		UTS	+0.00	UTE	LTE				137		510UL	04/03 RFO
		3.09	64	6	ADI		015	+32.60	UTE	LTE				137		510UL	04/03 RFO
		0.83	59	P 1	NQI		015	+0.79	UTE	LTE				137		510UL	04/03 RFO
2	13	0.67	58	P 1	NQI		013	-0.54	UTE	LTE				74		510UL	04/03 RFO
2	15	0.68	93	P 1	NQI		010	+0.50	UTE	LTE				78		510UL	04/03 RFO
2	19	1.98	64	P 1	NQI		010	+0.48	UTE	LTE				78		510UL	04/03 RFO
2	21	0.71	65	P 1	NQI		010	-0.24	UTE	LTE				78		510UL	04/03 RFO
2	22	0.65	143	3	NQI		010	+9.66	UTE	LTE				74		510UL	04/03 RFO
2	23	0.97	109	3	NQI		011	+3.14	UTE	LTE				78		510UL	04/03 RFO
2	24	0.67	110	3	NQI		011	+3.07	UTE	LTE				74		510UL	04/03 RFO
		0.49	129	3	NQI		010	+12.01	UTE	LTE				74		510UL	04/03 RFO
		0.46	66	3	NQI		003	+33.89	UTE	LTE				74		510UL	04/03 RFO
		13.95	196	P 1	DNT		UTS	+0.07	UTE	LTE				74		510UL	04/03 RFO
2	25	22.03	187	P 1	DNT		UTS	+0.02	UTE	LTE				78		510UL	04/03 RFO
3	3	3.82	84	6	ADI		013	+5.14	UTE	LTE				137		510UL	04/03 RFO
3	4	23.35	177	P 1	DNT		015	-0.48	UTE	LTE				110		510UL	04/03 RFO
		0.93	121	3	NQI		014	+30.13	UTE	LTE				110		510UL	04/03 RFO
		0.54	107	3	NQI		014	+1.46	UTE	LTE				110		510UL	04/03 RFO
		0.94	114	3	NQI		013	+3.93	UTE	LTE				110		510UL	04/03 RFO
		0.73	112	3	NQI		012	+5.64	UTE	LTE				110		510UL	04/03 RFO
		1.40	116	3	NQI		011	+10.10	UTE	LTE				110		510UL	04/03 RFO
		0.84	125	3	NQI		011	+8.95	UTE	LTE				110		510UL	04/03 RFO
3	5	19.80	187	P 1	DNT		015	-0.61	UTE	LTE				137		510UL	04/03 RFO
		0.58	111	3	NQI		013	+6.48	UTE	LTE				137		510UL	04/03 RFO
		0.42	88	3	NQI		011	+5.76	UTE	LTE				137		510UL	04/03 RFO
		31.80	182	P 1	DNT		015	+0.54	UTE	LTE				137		510UL	04/03 RFO
3	6	0.69	112	3	NQI		011	+15.64	UTE	LTE				110		510UL	04/03 RFO
		0.92	84	3	NQI		011	+7.26	UTE	LTE				110		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.48	132	3	NQI		011	+13.59	UTE	LTE				110		510UL	04/03 RFO
		0.48	103	3	NQI		011	+11.03	UTE	LTE				110		510UL	04/03 RFO
		0.27	86	3	NQI		010	+24.63	UTE	LTE				110		510UL	04/03 RFO
		0.36	109	3	NQI		010	+23.03	UTE	LTE				110		510UL	04/03 RFO
		0.46	123	3	NQI		010	+21.93	UTE	LTE				110		510UL	04/03 RFO
		0.72	120	3	NQI		010	+20.24	UTE	LTE				110		510UL	04/03 RFO
		0.47	81	3	NQI		003	+15.70	UTE	LTE				110		510UL	04/03 RFO
		2.53	138	3	NQI		015	-1.17	UTE	LTE				110		510UL	04/03 RFO
3	7	12.29	174	P 1	DNT		015	+0.45	UTE	LTE				137		510UL	04/03 RFO
		38.36	186	P 1	DNT		015	-0.39	UTE	LTE				137		510UL	04/03 RFO
		13.84	68	6	ADI		015	+26.05	UTE	LTE				137		510UL	04/03 RFO
		15.03	178	3	DNT		LTE	+10.78	UTE	LTE				137		510UL	04/03 RFO
3	9	1.70	121	3	NQI		015	+2.36	UTE	LTE				137		510UL	04/03 RFO
3	10	26.07	170	P 1	DNT		015	-0.60	UTE	LTE				110		510UL	04/03 RFO
		6.35	114	3	NQI		015	-1.29	UTE	LTE				110		510UL	04/03 RFO
3	13	0.66	63	P 1	NQI		013	-0.61	UTE	LTE				137		510UL	04/03 RFO
3	24	0.69	47	P 1	NQI		010	+0.50	UTE	LTE				74		510UL	04/03 RFO
3	25	1.12	43	P 1	NQI		010	+0.48	UTE	LTE				78		510UL	04/03 RFO
3	27	0.94	65	3	NQI		003	+3.34	UTE	LTE				78		510UL	04/03 RFO
3	29	1.11	56	P 1	NQI		011	-0.81	UTE	LTE				74		510UL	04/03 RFO
3	30	0.59	90	P 1	NQI		011	-0.71	UTE	LTE				78		510UL	04/03 RFO
3	31	0.40	101	3	NQI		010	+32.15	UTE	LTE				74		510UL	04/03 RFO
4	4	17.02	201	P 1	DNT		UTS	-0.05	UTE	LTE				125		510UL	04/03 RFO
		10.26	187	P 1	DNT		015	+0.52	UTE	LTE				125		510UL	04/03 RFO
		1.08	129	3	NQI		011	+9.64	UTE	LTE				125		510UL	04/03 RFO
4	7	2.09	83	P 1	NQI		015	-0.30	UTE	LTE				137		510UL	04/03 RFO
4	8	0.83	144	3	NQI		014	+31.66	UTE	LTE				110		510UL	04/03 RFO
		0.62	94	3	NQI		011	+6.56	UTE	LTE				110		510UL	04/03 RFO
		0.42	115	3	NQI		010	+11.50	UTE	LTE				110		510UL	04/03 RFO
		30.28	176	P 1	DNT		015	-0.60	UTE	LTE				110		510UL	04/03 RFO
4	10	15.17	178	P 1	DNT		015	+0.59	UTE	LTE				137		510UL	04/03 RFO
		9.41	196	P 1	DNT		015	-0.73	UTE	LTE				137		510UL	04/03 RFO
4	16	0.61	82	3	NQI		LTS	+9.33	UTE	LTE				110		510UL	04/03 RFO
4	31	0.90	52	P 1	NQI		009	+0.25	UTE	LTE				74		510UL	04/03 RFO
4	34	0.45	108	3	NQI		014	+28.47	UTE	LTE				137		510UL	04/03 RFO
4	41	1.14	135	3	NQI		014	+31.30	UTE	LTE				78		510UL	04/03 RFO
5	4	0.68	115	3	NQI		010	+22.00	UTE	LTE				126		510UL	04/03 RFO
5	5	0.66	117	3	NQI		014	+33.02	UTE	LTE				125		510UL	04/03 RFO
		0.66	49	P 1	NQI		009	-0.39	UTE	LTE				125		510UL	04/03 RFO
		0.97	120	3	NQI		015	+2.40	UTE	LTE				125		510UL	04/03 RFO
		0.36	103	3	NQI		012	+4.22	UTE	LTE				125		510UL	04/03 RFO
		0.65	117	3	NQI		010	+18.13	UTE	LTE				125		510UL	04/03 RFO
		1.38	48	P 1	NQI		015	+0.91	UTE	LTE				125		510UL	04/03 RFO
5	6	0.81	115	3	NQI		010	+6.33	UTE	LTE				126		510UL	04/03 RFO
		0.97	77	P 1	NQI		015	-0.57	UTE	LTE				126		510UL	04/03 RFO
5	7	0.44	48	P 1	NQI		014	+0.05	UTE	LTE				125		510UL	04/03 RFO
5	8	18.14	197	P 1	DNT		UTS	+0.00	UTE	LTE				137		510UL	04/03 RFO
		0.89	102	3	NQI		015	+13.25	UTE	LTE				137		510UL	04/03 RFO
		1.12	125	3	NQI		014	+33.41	UTE	LTE				137		510UL	04/03 RFO
5	11	0.74	114	3	NQI		013	-1.20	UTE	LTE				110		510UL	04/03 RFO
		0.34	84	3	NQI		012	+35.21	UTE	LTE				110		510UL	04/03 RFO
		0.66	88	3	NQI		005	+34.82	UTE	LTE				110		510UL	04/03 RFO
5	13	1.52	116	3	NQI		LTS	+21.15	UTE	LTE				137		510UL	04/03 RFO
5	32	8.38	180	3	DNT		LTE	+17.63	UTE	LTE				74		510UL	04/03 RFO
5	39	1.10	31	P 1	NQI		005	-0.72	UTE	LTE				74		510UL	04/03 RFO
5	42	0.37	84	3	NQI		003	+35.70	UTE	LTE				74		510UL	04/03 RFO
5	44	1.19	57	P 1	NQI		011	-0.82	UTE	LTE				74		510UL	04/03 RFO
6	4	0.49	86	3	NQI		010	+10.28	UTE	LTE				126		510UL	04/03 RFO
6	5	0.52	119	3	NQI		010	+8.77	UTE	LTE				125		510UL	04/03 RFO
6	6	1.09	116	3	NQI		010	+5.74	UTE	LTE				126		510UL	04/03 RFO
6	10	0.47	93	3	NQI		010	+3.51	UTE	LTE				125		510UL	04/03 RFO
		0.77	146	3	NQI		009	+32.74	UTE	LTE				125		510UL	04/03 RFO
6	13	0.79	92	3	NQI		009	+23.09	UTE	LTE				137		510UL	04/03 RFO
6	20	1.24	107	P 1	NQI		009	-0.62	UTE	LTE				110		510UL	04/03 RFO
6	22	1.49	83	P 1	NQI		009	+0.30	UTE	LTE				137		510UL	04/03 RFO
		0.60	137	P 1	NQI		009	-0.64	UTE	LTE				137		510UL	04/03 RFO
6	33	0.91	102	P 1	NQI		009	-0.58	UTE	LTE				137		510UL	04/03 RFO
6	35	0.92	79	P 1	NQI		009	+0.30	UTE	LTE				74		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
6	50	7.87	196	P 1	DNT		015	+0.38	UTE	LTE				137	510UL	04/03 RFO
		15.25	197	P 1	DNT		UTS	+0.04	UTE	LTE				137	510UL	04/03 RFO
7	5	0.73	124	3	NQI		010	+5.44	UTE	LTE				125	510UL	04/03 RFO
7	7	0.47	122	3	NQI		003	+30.87	UTE	LTE				125	510UL	04/03 RFO
		1.02	89	P 1	NQI		008	-0.66	UTE	LTE				125	510UL	04/03 RFO
7	10	0.80	57	P 1	NQI		007	-0.71	UTE	LTE				144	510UL	04/03 RFO
		1.37	87	P 1	NQI		008	-0.61	UTE	LTE				144	510UL	04/03 RFO
7	12	0.39	71	3	NQI		009	+36.49	UTE	LTE				137	510UL	04/03 RFO
		0.69	104	3	NQI		009	+20.56	UTE	LTE				137	510UL	04/03 RFO
7	13	0.41	91	3	NQI		013	+22.81	UTE	LTE				110	510UL	04/03 RFO
7	15	3.79	65	6	ADI		LTS	+24.39	UTE	LTE				137	510UL	04/03 RFO
7	18	10.42	176	3	DNT		UTS	+1.04	UTE	LTE				137	510UL	04/03 RFO
		14.15	175	3	DNT		UTS	+1.26	UTE	LTE				137	510UL	04/03 RFO
7	19	1.11	88	P 1	NQI		009	-0.60	UTE	LTE				110	510UL	04/03 RFO
7	20	1.03	35	P 1	NQI		009	-0.73	UTE	LTE				137	510UL	04/03 RFO
7	23	0.68	107	P 1	NQI		009	-0.62	UTE	LTE				110	510UL	04/03 RFO
7	25	0.30	86	3	NQI		011	+32.90	UTE	LTE				110	510UL	04/03 RFO
7	30	1.12	29	P 1	NQI		009	-0.79	UTE	LTE				74	510UL	04/03 RFO
7	34	0.95	31	P 1	NQI		009	-0.82	UTE	LTE				74	510UL	04/03 RFO
7	42	0.71	106	3	NQI		014	+29.93	UTE	LTE				74	510UL	04/03 RFO
		0.40	115	3	NQI		014	+31.01	UTE	LTE				74	510UL	04/03 RFO
7	45	0.33	123	3	NQI		014	+29.39	UTE	LTE				74	510UL	04/03 RFO
		0.88	109	P 1	NQI		009	-0.68	UTE	LTE				74	510UL	04/03 RFO
7	48	0.40	126	3	NQI		005	+1.09	UTE	LTE				140	510UL	04/03 RFO
7	50	0.50	96	P 1	NQI		005	+0.27	UTE	LTE				140	510UL	04/03 RFO
7	52	0.53	80	P 1	NQI		010	+0.43	UTE	LTE				140	510UL	04/03 RFO
8	1	0.49	119	3	NQI		014	+2.11	UTE	LTE				144	510UL	04/03 RFO
8	6	0.57	62	P 1	NQI		010	-0.10	UTE	LTE				126	510UL	04/03 RFO
8	7	0.48	95	3	NQI		007	+21.56	UTE	LTE				125	510UL	04/03 RFO
8	8	2.35	50	P 1	NQI		008	-0.19	UTE	LTE				126	510UL	04/03 RFO
8	9	0.43	111	3	NQI		009	+28.81	UTE	LTE				125	510UL	04/03 RFO
		1.17	134	P 1	NQI		008	-0.59	UTE	LTE				125	510UL	04/03 RFO
8	11	0.86	129	3	NQI		009	+26.98	UTE	LTE				144	510UL	04/03 RFO
		1.04	76	P 1	NQI		008	-0.73	UTE	LTE				144	510UL	04/03 RFO
		0.50	46	P 1	NQI		014	-0.25	UTE	LTE				144	510UL	04/03 RFO
		0.74	40	P 1	NQI		015	+0.54	UTE	LTE				144	510UL	04/03 RFO
8	12	0.56	104	3	NQI		009	+24.28	UTE	LTE				125	510UL	04/03 RFO
8	14	0.81	96	3	NQI		009	+25.32	UTE	LTE				137	510UL	04/03 RFO
		1.33	64	P 1	NQI		009	+0.44	UTE	LTE				137	510UL	04/03 RFO
8	17	0.50	74	3	NQI		014	+29.93	UTE	LTE				110	510UL	04/03 RFO
8	18	0.56	132	3	NQI		009	+19.06	UTE	LTE				137	510UL	04/03 RFO
8	20	0.58	79	P 1	NQI		009	-0.77	UTE	LTE				137	510UL	04/03 RFO
8	27	0.19	97	3	NQI		014	+1.24	UTE	LTE				74	510UL	04/03 RFO
8	37	0.24	94	3	NQI		LTS	+16.09	UTE	LTE				74	510UL	04/03 RFO
8	39	1.30	43	P 1	NQI		009	-0.82	UTE	LTE				74	510UL	04/03 RFO
8	40	0.26	95	3	NQI		011	+9.47	UTE	LTE				140	510UL	04/03 RFO
8	41	0.53	124	3	NQI		014	+1.79	UTE	LTE				74	510UL	04/03 RFO
8	42	1.42	109	P 1	NQI		009	-0.64	UTE	LTE				140	510UL	04/03 RFO
8	49	0.74	82	P 1	NQI		009	+0.41	UTE	LTE				140	510UL	04/03 RFO
		1.09	36	P 1	NQI		009	-0.89	UTE	LTE				140	510UL	04/03 RFO
8	50	1.02	56	P 1	NQI		007	+0.70	UTE	LTE				74	510UL	04/03 RFO
8	51	0.75	120	3	NQI		009	+19.65	UTE	LTE				140	510UL	04/03 RFO
8	54	0.26	71	3	NQI		015	+2.30	UTE	LTE				74	510UL	04/03 RFO
9	2	0.65	58	3	NQI		015	+29.16	UTE	LTE				125	510UL	04/03 RFO
9	4	0.33	116	3	NQI		014	+1.98	UTE	LTE				125	510UL	04/03 RFO
9	8	0.50	102	3	NQI		009	+23.26	UTE	LTE				125	510UL	04/03 RFO
9	9	0.80	98	3	NQI		009	+24.80	UTE	LTE				144	510UL	04/03 RFO
9	10	0.25	104	3	NQI		015	+36.42	UTE	LTE				125	510UL	04/03 RFO
		0.68	88	3	NQI		009	+24.81	UTE	LTE				125	510UL	04/03 RFO
9	11	0.68	107	3	NQI		009	+17.92	UTE	LTE				125	510UL	04/03 RFO
9	13	0.69	238	3	NQI		009	+16.17	UTE	LTE				125	510UL	04/03 RFO
9	16	0.56	118	3	NQI		009	+21.17	UTE	LTE				137	510UL	04/03 RFO
9	17	0.37	122	3	NQI		012	+9.45	UTE	LTE				110	510UL	04/03 RFO
9	20	2.07	115	3	NQI		LTS	+20.98	UTE	LTE				110	510UL	04/03 RFO
9	21	0.39	91	3	NQI		002	+22.41	UTE	LTE				137	510UL	04/03 RFO
9	29	0.77	118	3	NQI		014	+1.19	UTE	LTE				137	510UL	04/03 RFO
9	42	0.44	94	3	NQI		014	+23.21	UTE	LTE				74	510UL	04/03 RFO
9	43	1.18	38	P 1	NQI		014	+0.82	UTE	LTE				140	510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
9	46	1.06	45	P 1	NQI	009	-0.77	UTE	LTE					74		510UL	04/03 RFO
9	51	0.97	42	P 1	NQI	007	+0.41	UTE	LTE					80		510UL	04/03 RFO
9	54	0.72	83	3	NQI	009	+19.57	UTE	LTE					80		510UL	04/03 RFO
		0.57	106	3	NQI	009	+21.53	UTE	LTE					80		510UL	04/03 RFO
9	56	0.31	84	3	NQI	012	+25.94	UTE	LTE					80		510UL	04/03 RFO
		0.37	102	3	NQI	004	+29.10	UTE	LTE					80		510UL	04/03 RFO
9	57	0.60	94	3	NQI	009	+32.37	UTE	LTE					81		510UL	04/03 RFO
9	59	0.41	98	3	NQI	014	+1.56	UTE	LTE					68		510UL	04/03 RFO
		0.67	91	P 1	NQI	015	-0.05	UTE	LTE					68		510UL	04/03 RFO
10	1	1.30	91	P 1	NQI	UTS	+0.41	UTE	LTE					126		510UL	04/03 RFO
10	2	0.65	122	P 1	NQI	008	-0.64	UTE	LTE					126		510UL	04/03 RFO
10	3	0.39	102	3	NQI	009	+24.89	UTE	LTE					125		510UL	04/03 RFO
10	4	0.62	47	P 1	NQI	UTS	-0.74	UTE	LTE					144		510UL	04/03 RFO
10	6	0.29	111	3	NQI	010	+21.10	UTE	LTE					144		510UL	04/03 RFO
10	12	1.13	94	3	NQI	015	+36.40	UTE	LTE					126		510UL	04/03 RFO
		0.89	64	P 1	NQI	015	+0.97	UTE	LTE					126		510UL	04/03 RFO
		0.80	115	3	NQI	004	+17.87	UTE	LTE					126		510UL	04/03 RFO
10	13	1.31	91	3	DWI	LTS	+19.38	UTE	LTE					125		510UL	04/03 RFO
		0.40	111	3	NQI	014	+33.48	UTE	LTE					125		510UL	04/03 RFO
		0.39	107	3	NQI	014	+32.63	UTE	LTE					125		510UL	04/03 RFO
		0.46	78	3	NQI	009	+20.63	UTE	LTE					125		510UL	04/03 RFO
		4.42	180	3	DNT	LTS	+19.38	UTE	LTE					125		510UL	04/03 RFO
10	15	0.57	78	3	NQI	009	+22.93	UTE	LTE					125		510UL	04/03 RFO
10	16	0.55	105	3	NQI	009	+22.23	UTE	LTE					144		510UL	04/03 RFO
10	17	0.41	100	3	NQI	009	+22.21	UTE	LTE					125		510UL	04/03 RFO
		0.45	100	3	NQI	009	+8.77	UTE	LTE					125		510UL	04/03 RFO
10	18	1.06	96	P 1	NQI	008	-0.49	UTE	LTE					137		510UL	04/03 RFO
10	19	0.57	106	P 1	NQI	008	-0.69	UTE	LTE					137		510UL	04/03 RFO
		2.67	62	P 1	NQI	009	-0.52	UTE	LTE					137		510UL	04/03 RFO
10	20	0.73	126	3	NQI	010	+1.17	UTE	LTE					110		510UL	04/03 RFO
		0.39	98	3	NQI	013	+7.85	UTE	LTE					110		510UL	04/03 RFO
10	43	0.36	90	3	NQI	001	+29.02	UTE	LTE					80		510UL	04/03 RFO
10	44	1.08	78	P 1	NQI	009	+0.31	UTE	LTE					81		510UL	04/03 RFO
10	58	0.39	74	3	NQI	011	+9.04	UTE	LTE					80		510UL	04/03 RFO
		0.51	86	3	NQI	009	+23.67	UTE	LTE	TO+33.02				80		510UL	04/03 RFO
10	59	0.57	113	3	NQI	009	+28.42	UTE	LTE	TO+37.10				81		510UL	04/03 RFO
10	60	0.94	87	P 1	NQI	010	+0.55	UTE	LTE					69		510UL	04/03 RFO
10	61	0.43	124	3	NQI	011	+36.19	UTE	LTE					68		510UL	04/03 RFO
		0.42	116	3	NQI	010	+3.36	UTE	LTE					68		510UL	04/03 RFO
		0.56	105	3	NQI	012	+30.80	UTE	LTE	TO+34.50				68		510UL	04/03 RFO
11	1	0.71	59	P 1	NQI	008	-0.77	UTE	LTE					144		510UL	04/03 RFO
11	2	0.43	60	P 1	NQI	014	+0.97	UTE	LTE					125		510UL	04/03 RFO
11	5	0.33	97	3	NQI	014	+20.12	UTE	LTE					144		510UL	04/03 RFO
11	12	0.38	81	3	NQI	009	+13.53	UTE	LTE					125		510UL	04/03 RFO
		0.69	139	3	NQI	009	+12.76	UTE	LTE					125		510UL	04/03 RFO
11	13	0.47	125	3	NQI	009	+9.75	UTE	LTE	TO+19.32				140		510UL	04/03 RFO
11	15	0.49	58	3	NQI	009	+8.66	UTE	LTE	TO+23.96				140		510UL	04/03 RFO
11	16	0.36	65	3	NQI	015	+11.32	UTE	LTE					125		510UL	04/03 RFO
		0.87	94	P 1	NQI	008	-0.66	UTE	LTE					125		510UL	04/03 RFO
11	20	2.46	11	3	TWD	28	+17.15	UTE	LTE					110		510UL	04/03 RFO
11	22	0.75	119	P 1	NQI	007	-0.75	UTE	LTE					110		510UL	04/03 RFO
11	28	0.66	82	3	NQI	007	+23.65	UTE	LTE					110		510UL	04/03 RFO
11	55	1.00	41	P 1	NQI	007	+0.49	UTE	LTE					80		510UL	04/03 RFO
11	59	0.80	6	3	NQI	009	+13.90	UTE	LTE	TO+36.91				80		510UL	04/03 RFO
11	61	0.67	107	3	NQI	009	+26.61	UTE	LTE	TO+37.29				80		510UL	04/03 RFO
11	68	2.38	52	P 1	NQI	015	+0.41	UTE	LTE					68		510UL	04/03 RFO
		0.41	87	3	NQI	015	+21.57	UTE	LTE					68		510UL	04/03 RFO
12	2	0.80	116	3	NQI	015	+1.09	UTE	LTE					128		510UL	04/03 RFO
12	5	0.37	85	3	NQI	002	+15.30	UTE	LTE					127		510UL	04/03 RFO
12	12	0.34	111	3	NQI	005	+21.72	UTE	LTE					125		510UL	04/03 RFO
12	14	1.31	52	P 1	NQI	015	+0.39	UTE	LTE					125		510UL	04/03 RFO
12	18	0.94	95	3	NQI	010	+28.75	UTE	LTE					125		510UL	04/03 RFO
12	41	16.77	11	P 1	BLG	UTS	+19.87	UTE	LTE					83		510UL	04/03 RFO
12	42	0.34	68	P 1	NQI	UTS	+6.53	UTE	LTE					84		510UL	04/03 RFO
12	47	0.66	39	P 1	NQI	008	-0.83	UTE	LTE					80		510UL	04/03 RFO
12	49	0.71	43	P 1	NQI	008	-0.47	UTE	LTE					80		510UL	04/03 RFO
12	57	1.30	94	P 1	NQI	007	-0.66	UTE	LTE					80		510UL	04/03 RFO
12	58	0.76	92	P 1	NQI	009	+0.64	UTE	LTE					80		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
12	60	0.81	50	P 1	NQI	008	+0.41	UTE	LTE					80		510UL	04/03 RFO
12	60	0.72	113	3	NQI	009	+12.46	UTE	LTE	TO+28.45				80		510UL	04/03 RFO
12	63	0.78	117	3	NQI	009	+33.58	UTE	LTE					69		510UL	04/03 RFO
12	69	0.54	122	3	NQI	010	+15.26	UTE	LTE					68		510UL	04/03 RFO
12	70	1.96	34	P 1	NQI	015	+0.93	UTE	LTE					68		510UL	04/03 RFO
12	70	0.95	97	P 1	NQI	008	-0.67	UTE	LTE					69		510UL	04/03 RFO
12	70	0.62	123	3	NQI	014	+31.23	UTE	LTE					69		510UL	04/03 RFO
12	70	1.79	49	P 1	NQI	015	-0.50	UTE	LTE					69		510UL	04/03 RFO
12	70	0.53	123	3	NQI	011	+7.01	UTE	LTE					69		510UL	04/03 RFO
12	71	0.56	37	P 1	NQI	015	-0.07	UTE	LTE					68		510UL	04/03 RFO
12	71	15.08	204	P 1	DNT	UTS	+0.02	UTE	LTE					68		510UL	04/03 RFO
13	3	0.27	98	3	NQI	014	+28.45	UTE	LTE					127		510UL	04/03 RFO
13	3	0.31	72	3	NQI	011	+32.09	UTE	LTE					127		510UL	04/03 RFO
13	14	0.48	103	3	NQI	003	+4.11	UTE	LTE					128		510UL	04/03 RFO
13	31	1.54	89	P 1	NQI	011	-0.78	UTE	LTE					116		510UL	04/03 RFO
13	36	0.91	119	3	NQI	004	+12.44	UTE	LTE					83		510UL	04/03 RFO
13	47	0.91	124	3	NQI	014	+1.11	UTE	LTE					84		510UL	04/03 RFO
13	63	0.89	116	3	NQI	009	+17.08	UTE	LTE	TO+27.14				83		510UL	04/03 RFO
13	63	0.25	108	3	NQI	010	+6.52	UTE	LTE					83		510UL	04/03 RFO
13	64	0.74	125	3	NQI	009	+22.25	UTE	LTE	TO+27.34				140		510UL	04/03 RFO
13	72	0.73	126	3	NQI	010	+14.96	UTE	LTE					68		510UL	04/03 RFO
13	72	0.91	53	P 1	NQI	010	-0.09	UTE	LTE					68		510UL	04/03 RFO
13	72	1.15	26	P 1	NQI	012	+0.70	UTE	LTE					68		510UL	04/03 RFO
13	72	15.09	206	P 1	DNT	UTS	+0.02	UTE	LTE					68		510UL	04/03 RFO
13	73	0.73	83	3	NQI	010	+14.62	UTE	LTE					69		510UL	04/03 RFO
13	73	0.67	110	3	NQI	007	+5.62	UTE	LTE					69		510UL	04/03 RFO
13	73	13.26	196	P 1	DNT	UTS	+0.09	UTE	LTE					69		510UL	04/03 RFO
13	74	16.98	200	P 1	DNT	015	+0.61	UTE	LTE					68		510UL	04/03 RFO
13	74	22.14	200	P 1	DNT	UTS	+0.02	UTE	LTE					68		510UL	04/03 RFO
14	2	0.20	112	3	NQI	013	+11.18	UTE	LTE					24		510UL	04/03 RFO
14	5	0.74	97	P 1	NQI	UTS	+0.30	UTE	LTE					128		510UL	04/03 RFO
14	7	1.02	59	P 1	NQI	009	+0.43	UTE	LTE					128		510UL	04/03 RFO
14	9	0.56	68	P 1	NQI	015	+0.31	UTE	LTE					128		510UL	04/03 RFO
14	15	1.23	67	P 1	NQI	007	-0.69	UTE	LTE					128		510UL	04/03 RFO
14	19	1.35	147	P 1	NQI	007	-0.74	UTE	LTE					128		510UL	04/03 RFO
14	41	0.38	93	3	NQI	004	+20.53	UTE	LTE					84		510UL	04/03 RFO
14	53	0.50	110	3	NQI	003	+22.93	UTE	LTE					83		510UL	04/03 RFO
14	53	0.50	104	3	NQI	003	+23.00	UTE	LTE					83		510UL	04/03 RFO
14	54	0.42	88	3	NQI	011	+25.74	UTE	LTE					84		510UL	04/03 RFO
14	57	0.38	63	3	NQI	014	+12.33	UTE	LTE					83		510UL	04/03 RFO
14	57	0.50	93	3	NQI	004	+22.41	UTE	LTE					83		510UL	04/03 RFO
14	58	0.30	111	3	NQI	010	+16.97	UTE	LTE					84		510UL	04/03 RFO
14	61	0.36	130	3	NQI	008	+30.39	UTE	LTE					83		510UL	04/03 RFO
14	63	0.46	116	3	NQI	009	+8.80	UTE	LTE	TO+25.32				83		510UL	04/03 RFO
14	64	0.62	112	3	NQI	009	+17.77	UTE	LTE	TO+23.35				140		510UL	04/03 RFO
14	65	0.88	131	3	NQI	009	+16.11	UTE	LTE	TO+30.02				68		510UL	04/03 RFO
14	71	0.81	118	3	NQI	009	+34.83	UTE	LTE					69		510UL	04/03 RFO
14	73	10.93	17	P 1	DNT	UTS	+0.05	UTE	LTE					69		510UL	04/03 RFO
14	74	0.64	51	P 1	NQI	010	+0.29	UTE	LTE					68		510UL	04/03 RFO
14	74	16.60	203	P 1	DNT	UTS	+0.05	UTE	LTE					68		510UL	04/03 RFO
15	5	1.80	80	P 1	NQI	009	+0.46	UTE	LTE					128		510UL	04/03 RFO
15	14	0.43	83	3	NQI	013	-1.34	UTE	LTE					127		510UL	04/03 RFO
15	23	0.35	106	3	NQI	010	+34.03	UTE	LTE					127		510UL	04/03 RFO
15	23	0.34	86	3	NQI	011	+33.53	UTE	LTE					127		510UL	04/03 RFO
15	28	1.24	62	P 1	NQI	011	-0.80	UTE	LTE					115		510UL	04/03 RFO
15	48	0.35	133	3	NQI	006	+25.34	UTE	LTE					83		510UL	04/03 RFO
15	57	0.48	105	3	NQI	010	+34.46	UTE	LTE					84		510UL	04/03 RFO
15	61	0.34	85	3	NQI	014	+19.72	UTE	LTE					84		510UL	04/03 RFO
15	61	0.30	118	3	NQI	014	+1.11	UTE	LTE					84		510UL	04/03 RFO
15	70	1.06	131	3	NQI	009	+15.16	UTE	LTE	TO+30.23				68		510UL	04/03 RFO
15	74	0.43	82	3	NQI	013	+9.89	UTE	LTE					68		510UL	04/03 RFO
15	75	0.93	41	P 1	NQI	014	+0.97	UTE	LTE					68		510UL	04/03 RFO
15	77	0.58	66	P 1	NQI	LTS	+0.54	UTE	LTE					68		510UL	04/03 RFO
15	77	0.46	71	3	NQI	012	+25.80	UTE	LTE					68		510UL	04/03 RFO
16	1	0.41	124	3	NQI	012	+7.39	UTE	LTE					24		510UL	04/03 RFO
16	2	0.97	113	3	NQI	010	+6.29	UTE	LTE					24		510UL	04/03 RFO
16	2	0.55	96	3	NQI	010	+7.23	UTE	LTE					23		510UL	04/03 RFO
16	3	1.06	76	P 1	NQI	009	+0.57	UTE	LTE					24		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
16	19	0.46	82	3	NQI		005	+7.46	UTE	LTE				127	510UL	04/03 RFO
16	28	7.71	187	3	DNT		008	+28.68	UTE	LTE				115	510UL	04/03 RFO
16	44	0.17	120	3	NQI		015	+24.13	UTE	LTE				83	510UL	04/03 RFO
		0.25	83	3	NQI		015	+23.38	UTE	LTE				83	510UL	04/03 RFO
		0.29	130	3	NQI		015	+6.78	UTE	LTE				83	510UL	04/03 RFO
16	46	0.39	80	3	NQI		LTS	+26.13	UTE	LTE				83	510UL	04/03 RFO
16	48	0.54	148	3	NQI		014	+1.32	UTE	LTE				83	510UL	04/03 RFO
16	59	12.46	184	3	DNT		005	+35.33	UTE	LTE				84	510UL	04/03 RFO
16	72	1.14	97	3	NQI		014	+6.94	TO+33.02	UTE	LTE			68	510UL	04/03 RFO
		0.88	111	3	NQI		009	+19.87	TO+29.45	UTE	LTE			68	510UL	04/03 RFO
		0.74	40	P 1	NQI		014	+0.05	UTE	LTE				68	510UL	04/03 RFO
16	74	0.91	102	3	NQI		009	+20.77	TO+28.02	UTE	LTE			68	510UL	04/03 RFO
		0.46	102	3	NQI		011	+19.91	UTE	LTE				68	510UL	04/03 RFO
16	75	0.95	106	3	NQI		009	+31.98	TO+19.69	UTE	LTE			69	510UL	04/03 RFO
16	77	0.99	89	P 1	NQI		011	-0.84	UTE	LTE				69	510UL	04/03 RFO
		0.98	123	P 1	NQI		015	+0.10	UTE	LTE				69	510UL	04/03 RFO
16	78	1.30	26	P 1	NQI		014	+0.72	UTE	LTE				68	510UL	04/03 RFO
17	1	0.80	60	P 1	NQI		UTS	-0.63	UTE	LTE				24	510UL	04/03 RFO
		0.81	113	3	NQI		010	+3.15	UTE	LTE				24	510UL	04/03 RFO
		0.57	68	3	NQI		015	+38.87	UTE	LTE				24	510UL	04/03 RFO
		0.70	85	3	NQI		014	+9.84	UTE	LTE				24	510UL	04/03 RFO
17	2	1.65	56	P 1	NQI		010	+0.48	UTE	LTE				23	510UL	04/03 RFO
17	5	1.37	28	P 1	NQI		008	+0.43	UTE	LTE				23	510UL	04/03 RFO
17	7	0.74	67	P 1	NQI		009	-0.50	UTE	LTE				128	510UL	04/03 RFO
17	10	1.44	50	P 1	NQI		009	-0.87	UTE	LTE				127	510UL	04/03 RFO
17	50	0.80	71	P 1	NQI		004	-0.71	UTE	LTE				83	510UL	04/03 RFO
17	53	0.97	52	P 1	NQI		LTS	-0.43	UTE	LTE				84	510UL	04/03 RFO
17	72	0.48	96	3	NQI		014	+32.38	UTE	LTE				69	510UL	04/03 RFO
		0.56	63	3	NQI		014	+27.94	UTE	LTE				69	510UL	04/03 RFO
		0.59	105	3	NQI		009	+24.62	TO+17.27	UTE	LTE			69	510UL	04/03 RFO
		0.87	92	3	NQI		014	+33.31	UTE	LTE				69	510UL	04/03 RFO
		0.68	70	3	NQI		014	+23.07	UTE	LTE				69	510UL	04/03 RFO
17	79	2.53	53	P 1	NQI		014	+0.77	UTE	LTE				68	510UL	04/03 RFO
18	6	0.30	83	3	NQI		002	+10.28	UTE	LTE				27	510UL	04/03 RFO
18	9	0.30	86	3	NQI		013	+24.75	UTE	LTE				127	510UL	04/03 RFO
18	10	1.03	79	P 1	NQI		009	-0.81	UTE	LTE				128	510UL	04/03 RFO
18	58	0.33	76	3	NQI		014	+1.92	UTE	LTE				83	510UL	04/03 RFO
18	62	0.20	72	P 1	NQI		015	+0.16	UTE	LTE				83	510UL	04/03 RFO
18	68	0.28	99	3	NQI		013	+22.05	UTE	LTE				83	510UL	04/03 RFO
18	74	0.88	50	P 1	NQI		LTS	-0.42	UTE	LTE				69	510UL	04/03 RFO
18	77	0.52	118	3	NQI		009	+12.42	TO+28.18	UTE	LTE			68	510UL	04/03 RFO
		35.53	181	3	DNT		LTS	+14.41	UTE	LTE				68	510UL	04/03 RFO
		1.44	44	P 1	NQI		014	+0.68	UTE	LTE				68	510UL	04/03 RFO
18	78	0.59	100	3	NQI		009	+20.03	UTE	LTE				68	510UL	04/03 RFO
18	79	0.84	73	3	NQI		009	+16.97	TO+24.44	UTE	LTE			69	510UL	04/03 RFO
18	81	0.92	98	3	NQI		009	+23.63	UTE	LTE				69	510UL	04/03 RFO
18	82	0.85	104	3	NQI		009	+21.28	UTE	LTE				68	510UL	04/03 RFO
18	84	6.43	171	3	DNT		LTE	+10.48	UTE	LTE				68	510UL	04/03 RFO
18	85	0.53	78	3	NQI		003	+33.14	UTE	LTE				69	510UL	04/03 RFO
19	38	0.51	81	3	NQI		010	+33.31	UTE	LTE				115	510UL	04/03 RFO
19	42	0.71	61	P 1	NQI		LTE	+11.40	UTE	LTE				83	510UL	04/03 RFO
19	64	0.92	120	3	NQI		015	+20.47	UTE	LTE				83	510UL	04/03 RFO
19	75	1.22	37	P 1	NQI		007	+0.41	UTE	LTE				68	510UL	04/03 RFO
19	79	0.52	99	3	NQI		009	+23.69	UTE	LTE				69	510UL	04/03 RFO
20	2	0.40	104	3	NQI		010	+20.27	UTE	LTE				30	510UL	04/03 RFO
20	4	0.80	105	3	NQI		009	+8.77	UTE	LTE				30	510UL	04/03 RFO
20	6	0.73	107	P 1	NQI		009	-0.59	UTE	LTE				30	510UL	04/03 RFO
20	7	0.72	114	3	NQI		007	+30.11	UTE	LTE				29	510UL	04/03 RFO
20	8	0.63	76	P 1	NQI		009	-0.83	UTE	LTE				30	510UL	04/03 RFO
20	9	0.75	62	P 1	NQI		008	-0.45	UTE	LTE				29	510UL	04/03 RFO
20	10	0.47	63	P 1	NQI		014	+0.24	UTE	LTE				30	510UL	04/03 RFO
20	22	0.89	131	3	NQI		014	+1.87	UTE	LTE				128	510UL	04/03 RFO
20	32	5.24	60	7	PLP		015	+0.91	UTE	LTE				115	510UL	04/03 RFO
20	38	0.36	72	P 1	NQI		014	+0.29	UTE	LTE				116	510UL	04/03 RFO
20	61	1.06	41	P 1	NQI		LTS	-0.38	UTE	LTE				84	510UL	04/03 RFO
20	78	1.49	27	P 1	NQI		007	+0.75	UTE	LTE				64	510UL	04/03 RFO
21	5	1.21	78	P 1	NQI		009	-0.52	UTE	LTE				30	510UL	04/03 RFO
21	6	1.08	86	P 1	NQI		010	+0.52	UTE	LTE				29	510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
21	7	0.69	72	P	1	NQI	UTS	+1.57	UTE	LTE				30		510UL	04/03 RFO
		0.71	128	3		NQI	007	+27.47	UTE	LTE				30		510UL	04/03 RFO
21	30	0.27	100	3		NQI	013	+9.85	UTE	LTE				115		510UL	04/03 RFO
21	33	0.78	105	P	1	NQI	015	+0.74	UTE	LTE				116		510UL	04/03 RFO
21	46	0.52	56	3		NQI	002	+32.89	UTE	LTE				83		510UL	04/03 RFO
21	50	0.25	110	3		NQI	007	+20.18	UTE	LTE				83		510UL	04/03 RFO
21	51	0.79	134	3		NQI	014	+1.15	UTE	LTE				84		510UL	04/03 RFO
21	52	1.90	82	P	1	NQI	014	+0.59	UTE	LTE				83		510UL	04/03 RFO
21	60	0.34	109	3		NQI	003	+7.55	UTE	LTE				83		510UL	04/03 RFO
21	62	0.74	88	3		NQI	014	+27.86	UTE	LTE				83		510UL	04/03 RFO
21	65	0.42	91	3		NQI	003	+9.31	UTE	LTE				84		510UL	04/03 RFO
22	4	0.62	85	3		NQI	008	+37.38	UTE	LTE				30		510UL	04/03 RFO
		0.75	82	3		NQI	008	+36.70	UTE	LTE				30		510UL	04/03 RFO
		0.42	80	3		NQI	008	+34.80	UTE	LTE				30		510UL	04/03 RFO
22	8	0.64	68	P	1	NQI	009	-0.83	UTE	LTE				30		510UL	04/03 RFO
22	26	0.42	104	3		NQI	014	+9.82	UTE	LTE				128		510UL	04/03 RFO
22	41	0.48	81	3		NQI	015	+32.36	UTE	LTE				115		510UL	04/03 RFO
22	51	7.87	185	3		DNT	002	+5.66	UTE	LTE				83		510UL	04/03 RFO
22	70	0.26	97	3		NQI	002	+17.61	UTE	LTE				83		510UL	04/03 RFO
22	73	0.48	75	3		NQI	001	+30.65	UTE	LTE				84		510UL	04/03 RFO
22	74	0.39	81	3		NQI	013	+11.84	UTE	LTE				64		510UL	04/03 RFO
22	91	0.46	41	P	1	NQI	010	+0.46	UTE	LTE				69		510UL	04/03 RFO
22	93	21.40	191	P	1	DNT	UTS	+0.07	UTE	LTE				69		510UL	04/03 RFO
		0.85	58	P	1	NQI	UTS	+0.73	UTE	LTE				69		510UL	04/03 RFO
		0.79	58	3		NQI	015	+16.10	UTE	LTE				69		510UL	04/03 RFO
		12.76	197	P	1	DNT	015	+0.60	UTE	LTE				69		510UL	04/03 RFO
23	1	1.73	47	P	1	NQI	UTS	+0.69	UTE	LTE				29		510UL	04/03 RFO
		1.12	52	P	1	NQI	009	-0.29	UTE	LTE				29		510UL	04/03 RFO
23	2	1.16	56	P	1	NQI	010	+0.50	UTE	LTE				29		510UL	04/03 RFO
23	3	0.69	113	3		NQI	009	+14.41	UTE	LTE				30		510UL	04/03 RFO
23	5	0.96	95	P	1	NQI	009	-0.66	UTE	LTE				30		510UL	04/03 RFO
23	23	7.16	191	3		DNT	LTE	+7.19	UTE	LTE				127		510UL	04/03 RFO
23	29	0.48	128	3		NQI	006	+28.01	UTE	LTE				127		510UL	04/03 RFO
23	42	0.59	121	3		NQI	001	+15.43	UTE	LTE				115		510UL	04/03 RFO
23	44	21.09	179	3		DNT	LTS	+18.36	UTE	LTE				115		510UL	04/03 RFO
23	50	3.32	116	3		NQI	LTS	+22.18	UTE	LTE	TO+31.14			83		510UL	04/03 RFO
23	57	0.70	79	P	1	NQI	UTS	+19.32	UTE	LTE				84		510UL	04/03 RFO
		0.52	80	P	1	NQI	UTS	+18.86	UTE	LTE				84		510UL	04/03 RFO
23	63	0.35	111	3		NQI	008	+26.26	UTE	LTE				84		510UL	04/03 RFO
		0.36	101	3		NQI	008	+32.40	UTE	LTE				84		510UL	04/03 RFO
		0.51	97	3		NQI	002	+2.23	UTE	LTE				84		510UL	04/03 RFO
23	65	0.47	72	P	1	NQI	014	+0.24	UTE	LTE				84		510UL	04/03 RFO
23	80	0.69	101	3		NQI	003	+30.62	UTE	LTE				65		510UL	04/03 RFO
23	82	0.50	90	P	1	NQI	009	-0.17	UTE	LTE				65		510UL	04/03 RFO
23	91	0.71	99	3		NQI	008	+36.69	UTE	LTE				68		510UL	04/03 RFO
23	93	20.48	201	P	1	DNT	UTS	+0.07	UTE	LTE				68		510UL	04/03 RFO
23	94	1.19	87	P	1	NQI	011	-0.87	UTE	LTE				69		510UL	04/03 RFO
		16.69	187	P	1	DNT	UTS	+0.05	UTE	LTE				69		510UL	04/03 RFO
24	4	0.94	56	P	1	NQI	009	+0.46	UTE	LTE				30		510UL	04/03 RFO
24	5	1.59	62	P	1	NQI	010	+0.52	UTE	LTE				29		510UL	04/03 RFO
		0.79	65	P	1	NQI	009	-0.29	UTE	LTE				29		510UL	04/03 RFO
24	8	0.48	94	3		NQI	013	+14.84	UTE	LTE				30		510UL	04/03 RFO
24	10	0.25	96	3		NQI	015	+10.23	UTE	LTE				30		510UL	04/03 RFO
24	14	0.58	101	3		NQI	004	+10.28	UTE	LTE				127		510UL	04/03 RFO
24	34	1.28	129	3		NQI	015	+29.18	UTE	LTE				115		510UL	04/03 RFO
24	44	0.94	69	P	1	NQI	014	+0.23	UTE	LTE				115		510UL	04/03 RFO
25	15	0.33	129	3		NQI	008	+10.79	UTE	LTE				127		510UL	04/03 RFO
25	41	0.30	109	3		NQI	007	+36.80	UTE	LTE				115		510UL	04/03 RFO
25	46	0.31	109	3		NQI	015	+17.66	UTE	LTE				115		510UL	04/03 RFO
25	65	4.21	148	3		NQI	015	+33.37	UTE	LTE				90		510UL	04/03 RFO
25	94	0.99	86	P	1	NQI	009	-0.63	UTE	LTE				68		510UL	04/03 RFO
		1.03	80	P	1	NQI	009	+0.55	UTE	LTE				68		510UL	04/03 RFO
		1.97	62	P	1	NQI	008	+0.55	UTE	LTE				69		510UL	04/03 RFO
25	97	1.00	51	P	1	NQI	010	+0.43	UTE	LTE				69		510UL	04/03 RFO
26	3	0.78	96	P	1	NQI	010	+0.57	UTE	LTE				29		510UL	04/03 RFO
26	6	1.27	64	P	1	NQI	LTS	-0.37	UTE	LTE				30		510UL	04/03 RFO
26	13	1.48	36	P	1	NQI	008	-0.84	UTE	LTE				29		510UL	04/03 RFO
26	15	0.50	100	3		NQI	006	+28.97	UTE	LTE				127		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
26	37	0.42	78	3	NQI		002	+15.45	UTE	LTE				115		510UL	04/03 RFO
26	54	0.36	77	3	NQI		010	+16.69	UTE	LTE				90		510UL	04/03 RFO
26	86	1.38	32	P 1	NQI		008	-0.88	UTE	LTE				64		510UL	04/03 RFO
26	89	0.69	63	P 1	NQI		009	-0.38	UTE	LTE				65		510UL	04/03 RFO
26	92	1.26	74	P 1	NQI		008	-0.63	UTE	LTE				68		510UL	04/03 RFO
27	5	0.79	60	P 1	NQI		LTE	+1.84	UTE	LTE				29		510UL	04/03 RFO
27	6	1.45	45	P 1	NQI		009	-0.74	UTE	LTE				30		510UL	04/03 RFO
27	21	0.42	92	3	NQI		014	+20.58	UTE	LTE				128		510UL	04/03 RFO
27	41	0.31	97	3	NQI		015	+8.01	UTE	LTE				118		510UL	04/03 RFO
27	57	0.31	108	3	NQI		004	+16.85	UTE	LTE				89		510UL	04/03 RFO
		0.45	79	P 1	NQI		014	+0.07	UTE	LTE				89		510UL	04/03 RFO
27	68	1.03	48	P 1	NQI		014	+0.36	UTE	LTE				90		510UL	04/03 RFO
27	72	1.00	54	P 1	NQI		015	+0.41	UTE	LTE				90		510UL	04/03 RFO
27	92	0.59	118	3	NQI		010	+10.73	UTE	LTE				65		510UL	04/03 RFO
27	98	0.81	81	P 1	NQI		011	-0.82	UTE	LTE				69		510UL	04/03 RFO
		0.76	97	3	NQI		014	+33.19	UTE	LTE				69		510UL	04/03 RFO
27	99	0.36	70	P 1	NQI		010	+0.00	UTE	LTE				68		510UL	04/03 RFO
28	1	0.58	72	P 1	NQI		UTS	+0.48	UTE	LTE				29		510UL	04/03 RFO
		0.91	139	3	NQI		010	+9.46	UTE	LTE				29		510UL	04/03 RFO
28	2	0.59	143	3	NQI		015	+36.13	UTE	LTE				30		510UL	04/03 RFO
		0.73	60	P 1	NQI		010	+0.45	UTE	LTE				30		510UL	04/03 RFO
		0.73	107	3	NQI		015	+40.55	UTE	LTE				30		510UL	04/03 RFO
28	5	1.08	48	P 1	NQI		010	+0.52	UTE	LTE				29		510UL	04/03 RFO
28	6	0.98	86	P 1	NQI		009	-0.62	UTE	LTE				30		510UL	04/03 RFO
28	45	0.31	97	3	NQI		009	+21.92	UTE	LTE				117		510UL	04/03 RFO
28	55	0.54	78	3	NQI		006	+20.66	UTE	LTE				90		510UL	04/03 RFO
28	56	0.42	98	3	NQI		012	+20.41	UTE	LTE				89		510UL	04/03 RFO
28	58	0.30	91	3	NQI		007	+11.94	UTE	LTE				89		510UL	04/03 RFO
28	60	0.38	120	3	NQI		012	+22.89	UTE	LTE				89		510UL	04/03 RFO
		0.28	98	3	NQI		012	+9.40	UTE	LTE				89		510UL	04/03 RFO
28	64	0.27	117	3	NQI		011	+20.17	UTE	LTE				89		510UL	04/03 RFO
28	90	1.00	52	P 1	NQI		001	+0.41	UTE	LTE				64		510UL	04/03 RFO
28	96	0.44	68	3	NQI		015	+22.39	UTE	LTE				64		510UL	04/03 RFO
29	6	0.54	70	3	NQI		008	+29.19	UTE	LTE				30		510UL	04/03 RFO
		0.85	74	3	NQI		008	+27.58	UTE	LTE				30		510UL	04/03 RFO
29	9	1.05	73	P 1	NQI		010	+0.52	UTE	LTE				29		510UL	04/03 RFO
29	12	0.37	87	3	NQI		010	+21.99	UTE	LTE				30		510UL	04/03 RFO
29	13	0.35	106	3	NQI		008	+35.97	UTE	LTE				29		510UL	04/03 RFO
29	25	0.59	68	3	NQI		011	+3.20	UTE	LTE				130		510UL	04/03 RFO
29	56	0.98	91	P 1	NQI		014	+1.06	UTE	LTE				90		510UL	04/03 RFO
29	57	1.35	62	P 1	NQI		014	+1.00	UTE	LTE				89		510UL	04/03 RFO
29	98	0.41	56	P 1	NQI		015	-0.16	UTE	LTE				64		510UL	04/03 RFO
		0.72	47	P 1	NQI		015	-0.43	UTE	LTE				64		510UL	04/03 RFO
29	103	0.50	72	3	NQI		014	+11.95	UTE	LTE				65		510UL	04/03 RFO
30	7	0.96	50	P 1	NQI		014	+0.47	UTE	LTE				30		510UL	04/03 RFO
30	19	0.34	85	3	NQI		010	+10.30	UTE	LTE				130		510UL	04/03 RFO
30	50	18.29	184	3	DNT		001	+10.84	UTE	LTE				118		510UL	04/03 RFO
30	76	0.34	50	3	NQI		LTS	+12.33	UTE	LTE				89		510UL	04/03 RFO
30	80	1.32	70	P 1	NQI		014	+1.04	UTE	LTE				55		510UL	04/03 RFO
30	103	8.74	207	P 1	DNT		UTS	+0.26	UTE	LTE				56		510UL	04/03 RFO
31	7	0.80	60	P 1	NQI		009	+0.38	UTE	LTE				30		510UL	04/03 RFO
31	8	0.38	75	3	NQI		011	+26.53	UTE	LTE				29		510UL	04/03 RFO
		1.14	71	P 1	NQI		010	+0.55	UTE	LTE				29		510UL	04/03 RFO
31	57	0.24	94	3	NQI		011	+21.96	UTE	LTE				74		510UL	04/03 RFO
		0.52	85	3	NQI		011	+24.18	UTE	LTE				74		510UL	04/03 RFO
		0.64	56	P 1	NQI		014	-0.48	UTE	LTE				74		510UL	04/03 RFO
31	59	0.25	81	3	NQI		011	+9.01	UTE	LTE				74		510UL	04/03 RFO
		0.25	94	3	NQI		011	+6.96	UTE	LTE				74		510UL	04/03 RFO
31	61	0.46	81	3	NQI		011	+3.10	UTE	LTE				74		510UL	04/03 RFO
31	62	0.38	122	3	NQI		009	+22.22	UTE	LTE				75		510UL	04/03 RFO
31	65	0.25	102	3	NQI		013	+21.55	UTE	LTE				74		510UL	04/03 RFO
31	71	0.81	45	P 1	NQI		015	+0.47	UTE	LTE				74		510UL	04/03 RFO
31	73	6.82	182	3	DNT		005	+35.33	UTE	LTE				74		510UL	04/03 RFO
31	74	0.31	97	3	TWD	26	009	+10.46	UTE	LTE				75		510UL	04/03 RFO
		0.24	90	3	NQI		008	+33.01	UTE	LTE				75		510UL	04/03 RFO
		0.29	67	3	NQI		008	+29.91	UTE	LTE				75		510UL	04/03 RFO
		0.24	96	3	NQI		007	+21.79	UTE	LTE				75		510UL	04/03 RFO
		0.38	75	3	NQI		007	+11.16	UTE	LTE				75		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.88	93	3	NQI		006	UTE	LTE					75		510UL	04/03 RFO
		0.60	93	3	NQI		009	UTE	LTE					75		510UL	04/03 RFO
		0.39	73	3	NQI		008	UTE	LTE					75		510UL	04/03 RFO
31	78	0.48	88	P 1	NQI		007	UTE	LTE					75		510UL	04/03 RFO
31	90	0.67	75	3	NQI		006	UTE	LTE					56		510UL	04/03 RFO
31	105	0.41	68	3	NQI		015	UTE	LTE					56		510UL	04/03 RFO
32	14	0.55	103	3	NQI		007	UTE	LTE					30		510UL	04/03 RFO
32	57	0.34	86	3	NQI		011	UTE	LTE	TO+17.10				74		510UL	04/03 RFO
32	69	0.17	87	3	NQI		007	UTE	LTE					74		510UL	04/03 RFO
		0.28	96	3	NQI		007	UTE	LTE					74		510UL	04/03 RFO
		0.26	110	3	TWD	3	014	UTE	LTE					74		510UL	04/03 RFO
32	72	0.31	82	3	NQI		006	UTE	LTE					75		510UL	04/03 RFO
32	104	0.97	78	P 1	NQI		011	UTE	LTE					55		510UL	04/03 RFO
33	1	0.39	90	P 1	NQI		012	UTE	LTE					38		510UL	04/03 RFO
33	2	0.29	107	3	NQI		014	UTE	LTE					37		510UL	04/03 RFO
33	3	0.89	84	P 1	NQI		010	UTE	LTE					37		510UL	04/03 RFO
		0.55	96	P 1	NQI		010	UTE	LTE					37		510UL	04/03 RFO
33	6	0.83	79	P 1	NQI		010	UTE	LTE					30		510UL	04/03 RFO
33	13	1.72	49	P 1	NQI		008	UTE	LTE					29		510UL	04/03 RFO
33	17	0.70	58	3	DWI		013	UTE	LTE					29		510UL	04/03 RFO
		1.48	176	3	DNT		013	UTE	LTE					29		510UL	04/03 RFO
33	21	0.87	59	P 1	TWD	40	014	UTE	LTE					130		510UL	04/03 RFO
33	47	0.90	116	P 1	UTS		UTS	UTE	LTE					118		510UL	04/03 RFO
		0.62	80	P 1	NQI		UTS	UTE	LTE					118		510UL	04/03 RFO
33	53	0.23	92	3	NQI		009	UTE	LTE					74		510UL	04/03 RFO
33	57	0.26	109	3	NQI		UTS	UTE	LTE					74		510UL	04/03 RFO
33	58	0.53	68	3	NQI		015	UTE	LTE					137		510UL	04/03 RFO
33	80	0.53	82	3	NQI		014	UTE	LTE					137		510UL	04/03 RFO
		0.45	64	3	NQI		014	UTE	LTE					137		510UL	04/03 RFO
33	82	0.42	100	3	NQI		006	UTE	LTE					55		510UL	04/03 RFO
33	98	0.55	80	3	NQI		003	UTE	LTE					55		510UL	04/03 RFO
34	6	0.49	84	3	NQI		008	UTE	LTE					30		510UL	04/03 RFO
34	13	1.92	51	P 1	NQI		008	UTE	LTE					29		510UL	04/03 RFO
34	41	0.53	75	3	NQI		006	UTE	LTE					118		510UL	04/03 RFO
34	45	0.86	53	P 1	NQI		014	UTE	LTE					118		510UL	04/03 RFO
34	47	1.04	132	3	NQI		001	UTE	LTE	TO+15.02				118		510UL	04/03 RFO
34	52	0.75	64	P 1	NQI		UTS	UTE	LTE					89		510UL	04/03 RFO
34	64	0.78	95	3	NQI		004	UTE	LTE					90		510UL	04/03 RFO
34	84	0.71	85	3	NQI		004	UTE	LTE					56		510UL	04/03 RFO
34	86	0.81	80	P 1	NQI		003	UTE	LTE					56		510UL	04/03 RFO
34	87	0.62	67	P 1	NQI		015	UTE	LTE					55		510UL	04/03 RFO
34	88	0.26	92	3	NQI		011	UTE	LTE					55		510UL	04/03 RFO
34	101	0.35	121	3	NQI		011	UTE	LTE					55		510UL	04/03 RFO
35	1	8.73	182	P 1	DNT		015	UTE	LTE					38		510UL	04/03 RFO
35	2	1.35	110	3	NQI		015	UTE	LTE					37		510UL	04/03 RFO
35	5	0.40	91	3	NQI		006	UTE	LTE					37		510UL	04/03 RFO
35	15	0.41	86	3	NQI		015	UTE	LTE					30		510UL	04/03 RFO
35	41	0.66	41	P 1	NQI		015	UTE	LTE					117		510UL	04/03 RFO
35	42	0.84	60	P 1	NQI		014	UTE	LTE					118		510UL	04/03 RFO
35	52	7.27	188	3	DNT		LTS	UTE	LTE					118		510UL	04/03 RFO
35	89	2.23	237	7	PLP		015	UTE	LTE					56		510UL	04/03 RFO
35	90	1.34	61	P 1	NQI		001	UTE	LTE					55		510UL	04/03 RFO
35	98	0.45	81	3	NQI		013	UTE	LTE					55		510UL	04/03 RFO
		0.23	78	3	NQI		001	UTE	LTE					55		510UL	04/03 RFO
35	100	0.45	94	3	NQI		009	UTE	LTE					55		510UL	04/03 RFO
35	104	1.24	73	P 1	NQI		008	UTE	LTE					55		510UL	04/03 RFO
36	1	0.58	117	3	NQI		010	UTE	LTE					38		510UL	04/03 RFO
36	4	0.37	89	3	NQI		013	UTE	LTE					37		510UL	04/03 RFO
		0.60	39	P 1	NQI		010	UTE	LTE					37		510UL	04/03 RFO
36	9	0.29	92	P 1	NQI		010	UTE	LTE					33		510UL	04/03 RFO
36	11	0.57	67	3	NQI		004	UTE	LTE					33		510UL	04/03 RFO
36	16	0.55	54	P 1	NQI		003	UTE	LTE					34		510UL	04/03 RFO
36	20	0.31	65	3	NQI		007	UTE	LTE					33		510UL	04/03 RFO
36	22	0.73	59	P 1	NQI		015	UTE	LTE					130		510UL	04/03 RFO
36	44	1.04	63	P 1	NQI		015	UTE	LTE					118		510UL	04/03 RFO
36	47	0.29	90	3	NQI		011	UTE	LTE					117		510UL	04/03 RFO
		0.25	95	3	NQI		011	UTE	LTE					117		510UL	04/03 RFO
36	61	1.77	185	3	DNT		LTS	UTE	LTE					90		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		1.01	56	3	DWI		LTS	+13.99	UTE	LTE				90		510UL	04/03 RFO
		0.72	57	5	DWI		LTS	+9.06	UTE	LTE				90		510UL	04/03 RFO
		2.25	189	3	DNT		LTS	+8.77	UTE	LTE				90		510UL	04/03 RFO
		0.87	78	3	DWI		LTS	+6.53	UTE	LTE				90		510UL	04/03 RFO
		1.32	186	3	DNT		LTS	+6.79	UTE	LTE				90		510UL	04/03 RFO
36	68	0.45	102	3	NQI		007	+17.45	UTE	LTE				89		510UL	04/03 RFO
36	71	2.06	151	3	NQI		014	+13.87	UTE	LTE				90		510UL	04/03 RFO
36	75	0.43	91	3	NQI		006	+11.45	UTE	LTE				90		510UL	04/03 RFO
36	90	2.99	86	6	ADI		LTS	+21.59	UTE	LTE				55		510UL	04/03 RFO
36	93	0.55	106	3	NQI		010	+27.37	UTE	LTE				55		510UL	04/03 RFO
36	96	1.01	68	3	NQI		010	+28.98	UTE	LTE				55		510UL	04/03 RFO
36	108	2.23	69	P 1	NQI		008	-0.90	UTE	LTE				56		510UL	04/03 RFO
		0.68	85	P 1	NQI		UTS	+0.44	UTE	LTE				56		510UL	04/03 RFO
36	111	0.92	94	P 1	NQI		011	-0.74	UTE	LTE				56		510UL	04/03 RFO
		9.93	17	P 1	DNT		UTS	-0.02	UTE	LTE				56		510UL	04/03 RFO
36	113	0.49	63	3	NQI		015	+35.78	UTE	LTE				69		510UL	04/03 RFO
37	2	1.56	72	P 1	TWD	43	012	+1.23	UTE	LTE				37		510UL	04/03 RFO
37	4	1.45	130	3	NQI		014	+1.05	UTE	LTE				38		510UL	04/03 RFO
37	13	1.04	53	P 1	NQI		008	-0.85	UTE	LTE				34		510UL	04/03 RFO
		0.29	66	P 1	NQI		015	+0.29	UTE	LTE				34		510UL	04/03 RFO
37	22	0.63	113	3	NQI		008	+5.34	UTE	LTE				130		510UL	04/03 RFO
37	30	0.42	96	3	NQI		010	+8.88	UTE	LTE				130		510UL	04/03 RFO
		0.69	131	3	NQI		010	+32.09	UTE	LTE				130		510UL	04/03 RFO
		0.58	109	3	NQI		011	+11.83	UTE	LTE				130		510UL	04/03 RFO
37	31	0.26	85	3	NQI		015	+6.42	UTE	LTE				129		510UL	04/03 RFO
37	47	0.48	103	3	NQI		001	+27.90	UTE	LTE				118		510UL	04/03 RFO
37	54	14.32	178	3	DNT		LTS	+18.18	UTE	LTE				117		510UL	04/03 RFO
37	59	0.87	92	P 1	NQI		UTS	+20.17	UTE	LTE				90		510UL	04/03 RFO
		0.89	82	P 1	NQI		UTS	+18.31	UTE	LTE				90		510UL	04/03 RFO
37	65	0.82	85	P 1	NQI		UTS	+20.83	UTE	LTE				90		510UL	04/03 RFO
37	66	0.80	74	P 1	NQI		UTS	+18.22	UTE	LTE				89		510UL	04/03 RFO
		0.41	73	3	NQI		001	+12.96	UTE	LTE				89		510UL	04/03 RFO
37	74	0.27	74	3	NQI		008	+17.97	UTE	LTE				89		510UL	04/03 RFO
		0.27	98	3	NQI		007	+30.75	UTE	LTE				89		510UL	04/03 RFO
37	92	1.31	77	P 1	NQI		UTS	+18.59	UTE	LTE				56		510UL	04/03 RFO
37	107	0.59	60	P 1	NQI		009	+0.32	UTE	LTE				55		510UL	04/03 RFO
38	2	0.84	125	3	NQI		015	+1.81	UTE	LTE				37		510UL	04/03 RFO
38	3	0.99	102	P 1	NQI		014	+0.77	UTE	LTE				38		510UL	04/03 RFO
38	4	1.85	111	3	TWD	11	014	+1.11	UTE	LTE				37		510UL	04/03 RFO
38	12	1.20	41	P 1	NQI		008	-0.76	UTE	LTE				34		510UL	04/03 RFO
38	13	0.94	41	P 1	NQI		008	-0.82	UTE	LTE				33		510UL	04/03 RFO
38	91	0.63	94	P 1	NQI		011	-0.81	UTE	LTE				56		510UL	04/03 RFO
38	94	2.19	96	6	ADI		LTS	+21.65	UTE	LTE				55		510UL	04/03 RFO
38	112	0.46	105	P 1	NQI		UTS	+11.70	UTE	LTE				53		510UL	04/03 RFO
38	115	1.19	69	P 1	NQI		007	-0.86	UTE	LTE				69		510UL	04/03 RFO
39	7	0.52	80	3	NQI		014	+28.29	UTE	LTE				34		510UL	04/03 RFO
		0.41	110	3	NQI		014	+26.02	UTE	LTE				34		510UL	04/03 RFO
39	8	0.24	123	3	NQI		010	+7.90	UTE	LTE				33		510UL	04/03 RFO
39	35	0.44	77	3	NQI		014	+2.38	UTE	LTE				130		510UL	04/03 RFO
39	44	0.33	75	3	NQI		014	+7.19	UTE	LTE				118		510UL	04/03 RFO
39	95	0.83	144	P 1	NQI		011	-0.76	UTE	LTE				54		510UL	04/03 RFO
39	114	1.31	78	P 1	NQI		013	+0.91	UTE	LTE				54		510UL	04/03 RFO
39	115	1.01	124	3	NQI		012	+1.27	UTE	LTE				54		510UL	04/03 RFO
		0.71	110	P 1	NQI		012	+0.93	UTE	LTE				54		510UL	04/03 RFO
39	116	2.75	60	6	ADI		008	+26.43	UTE	LTE				69		510UL	04/03 RFO
		0.35	84	3	NQI		008	+29.49	UTE	LTE				69		510UL	04/03 RFO
		1.39	128	3	NQI		008	+25.87	UTE	LTE				69		510UL	04/03 RFO
		0.57	86	3	NQI		008	+25.37	UTE	LTE				69		510UL	04/03 RFO
		0.60	105	3	NQI		008	+2.72	UTE	LTE				69		510UL	04/03 RFO
		0.92	105	3	NQI		007	+23.76	UTE	LTE				69		510UL	04/03 RFO
40	2	1.32	71	P 1	NQI		015	+0.98	UTE	LTE				38		510UL	04/03 RFO
		0.94	79	P 1	NQI		013	-0.77	UTE	LTE				38		510UL	04/03 RFO
40	12	0.57	73	P 1	NQI		004	-0.75	UTE	LTE				33		510UL	04/03 RFO
40	31	0.34	56	3	NQI		015	+34.44	UTE	LTE				129		510UL	04/03 RFO
40	39	0.33	93	3	NQI		014	+7.79	UTE	LTE				129		510UL	04/03 RFO
40	57	7.75	190	P 1	DNT		LTS	+0.00	UTE	LTE				91		510UL	04/03 RFO
40	76	0.40	49	P 1	NQI		014	+0.36	UTE	LTE				92		510UL	04/03 RFO
40	110	0.55	112	3	NQI		002	+21.77	UTE	LTE				53		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
40	112	0.33	90	3	NQI		011	+25.44	UTE	LTE				53		510UL	04/03 RFO
40	114	1.33	22	P 1	NQI		007	-0.70	UTE	LTE				68		510UL	04/03 RFO
40	115	2.10	47	P 1	NQI		012	+0.73	UTE	LTE				68		510UL	04/03 RFO
41	7	0.89	145	P 1	NQI		007	-0.70	UTE	LTE				33		510UL	04/03 RFO
41	15	0.32	132	P 1	NQI		010	-0.66	UTE	LTE				33		510UL	04/03 RFO
41	29	0.42	109	3	NQI		015	+17.58	UTE	LTE				129		510UL	04/03 RFO
		0.33	120	3	NQI		014	+19.65	UTE	LTE				129		510UL	04/03 RFO
41	41	0.27	95	3	NQI		008	+2.54	UTE	LTE				129		510UL	04/03 RFO
		0.29	85	3	NQI		007	+16.12	UTE	LTE				129		510UL	04/03 RFO
41	51	1.00	97	P 1	NQI		UTS	+17.60	UTE	LTE				118		510UL	04/03 RFO
41	53	1.07	98	P 1	NQI		UTS	+18.32	UTE	LTE				118		510UL	04/03 RFO
41	65	0.38	109	3	NQI		012	+17.15	UTE	LTE				91		510UL	04/03 RFO
41	77	7.66	173	3	DNT		014	+15.82	UTE	LTE				91		510UL	04/03 RFO
41	87	0.61	122	3	NQI		006	+30.00	UTE	LTE				54		510UL	04/03 RFO
41	103	0.71	79	3	NQI		006	+25.53	UTE	LTE				54		510UL	04/03 RFO
41	106	0.31	77	3	NQI		015	+11.14	UTE	LTE				53		510UL	04/03 RFO
41	112	1.53	79	P 1	NQI		LTE	+21.94	UTE	LTE				53		510UL	04/03 RFO
41	113	1.38	89	P 1	NQI		009	-0.77	UTE	LTE				54		510UL	04/03 RFO
41	116	2.62	131	3	NQI		007	+23.52	UTE	LTE				69		510UL	04/03 RFO
		1.56	149	3	NQI		007	+24.47	UTE	LTE				69		510UL	04/03 RFO
		0.67	103	3	NQI		007	+16.17	UTE	LTE				69		510UL	04/03 RFO
		0.48	63	3	NQI		007	+15.13	UTE	LTE				69		510UL	04/03 RFO
42	12	1.74	123	3	NQI		LTS	+22.93	UTE	LTE				34		510UL	04/03 RFO
42	34	0.56	92	3	NQI		004	+8.11	UTE	LTE				129		510UL	04/03 RFO
42	45	6.05	191	P 1	DNT		LTS	-0.12	UTE	LTE				118		510UL	04/03 RFO
42	59	6.19	190	P 1	DNT		LTS	-0.20	UTE	LTE				91		510UL	04/03 RFO
42	60	7.18	168	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
42	62	8.32	176	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
42	63	8.23	190	P 1	DNT		LTS	-0.04	UTE	LTE				91		510UL	04/03 RFO
42	64	10.19	176	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
42	65	6.08	197	P 1	DNT		LTS	-0.20	UTE	LTE				91		510UL	04/03 RFO
42	66	6.21	174	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
42	68	6.90	182	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
42	71	0.43	120	3	NQI		007	+2.67	UTE	LTE				91		510UL	04/03 RFO
42	86	0.51	124	3	NQI		006	+29.21	UTE	LTE				53		510UL	04/03 RFO
42	96	0.65	69	3	NQI		011	+26.16	UTE	LTE				53		510UL	04/03 RFO
43	1	1.04	96	P 1	NQI		013	-0.87	UTE	LTE				38		510UL	04/03 RFO
43	7	0.57	65	P 1	NQI		008	+0.64	UTE	LTE				33		510UL	04/03 RFO
43	8	0.28	95	3	NQI		010	+22.26	UTE	LTE				33		510UL	04/03 RFO
43	16	0.32	87	3	NQI		013	+27.97	UTE	LTE				33		510UL	04/03 RFO
43	48	0.27	105	3	NQI		007	+11.02	UTE	LTE				117		510UL	04/03 RFO
43	56	8.24	187	P 1	DNT		LTS	-0.09	UTE	LTE				118		510UL	04/03 RFO
43	57	11.03	190	P 1	DNT		LTS	-0.04	UTE	LTE				117		510UL	04/03 RFO
43	58	7.98	188	P 1	DNT		LTS	-0.04	UTE	LTE				91		510UL	04/03 RFO
43	59	10.00	176	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
43	61	8.72	174	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
43	62	8.21	185	P 1	DNT		LTS	+0.00	UTE	LTE				91		510UL	04/03 RFO
43	63	10.97	171	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
43	64	12.99	184	P 1	DNT		LTS	+0.00	UTE	LTE				91		510UL	04/03 RFO
43	65	14.26	175	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
		6.18	192	3	DNT		UTS	+19.43	UTE	LTE				92		510UL	04/03 RFO
43	66	10.60	186	P 1	DNT		LTS	+0.02	UTE	LTE				91		510UL	04/03 RFO
		0.36	94	3	NQI		006	+27.95	UTE	LTE				91		510UL	04/03 RFO
43	67	9.74	179	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
43	68	7.89	190	P 1	DNT		LTS	-0.04	UTE	LTE				91		510UL	04/03 RFO
43	69	11.31	170	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
43	70	7.50	191	P 1	DNT		LTS	-0.09	UTE	LTE				91		510UL	04/03 RFO
43	71	7.73	176	P 1	DNT		LTS	+0.00	UTE	LTE				92		510UL	04/03 RFO
43	73	0.54	31	3	NQI		013	+15.49	UTE	LTE				92		510UL	04/03 RFO
43	83	0.25	113	3	NQI		011	+17.16	UTE	LTE				137		510UL	04/03 RFO
43	88	0.46	91	3	NQI		006	+31.22	UTE	LTE				54		510UL	04/03 RFO
43	116	2.70	60	P 1	NQI		009	-0.53	UTE	LTE				54		510UL	04/03 RFO
44	21	0.16	104	3	NQI		014	+14.81	UTE	LTE				33		510UL	04/03 RFO
44	30	8.13	179	3	DNT		001	+6.72	UTE	LTE				140		510UL	04/03 RFO
44	31	9.13	183	3	DNT		001	+6.01	UTE	LTE				132		510UL	04/03 RFO
44	34	0.60	94	3	NQI		007	+3.91	UTE	LTE				131		510UL	04/03 RFO
44	53	7.76	189	P 1	DNT		LTS	-0.07	UTE	LTE				118		510UL	04/03 RFO
44	54	6.68	217	P 1	DNT		LTS	-0.02	UTE	LTE				117		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
44	56	10.96	191	P	1	DNT	LTS	+0.00	UTE	LTE				117		510UL	04/03 RFO
44	57	12.86	180	P	1	DNT	LTS	-0.02	UTE	LTE				118		510UL	04/03 RFO
44	58	10.29	189	P	1	DNT	LTS	-0.02	UTE	LTE				91		510UL	04/03 RFO
44	61	6.10	193	P	1	DNT	LTS	-0.04	UTE	LTE				91		510UL	04/03 RFO
44	62	10.16	185	P	1	DNT	LTS	-0.02	UTE	LTE				137		510UL	04/03 RFO
44	63	8.61	182	P	1	DNT	LTS	+0.00	UTE	LTE				91		510UL	04/03 RFO
44	64	8.13	172	P	1	DNT	LTS	+0.02	UTE	LTE				137		510UL	04/03 RFO
44	65	12.40	181	P	1	DNT	LTS	-0.02	UTE	LTE				91		510UL	04/03 RFO
44	66	0.76	81	3		NQI	006	+25.86	UTE	LTE				137		510UL	04/03 RFO
		8.22	179	P	1	DNT	LTS	+0.07	UTE	LTE				137		510UL	04/03 RFO
44	67	7.39	189	P	1	DNT	LTS	-0.02	UTE	LTE				91		510UL	04/03 RFO
44	68	9.55	183	P	1	DNT	LTS	-0.02	UTE	LTE				137		510UL	04/03 RFO
44	69	8.13	184	P	1	DNT	LTS	-0.13	UTE	LTE				91		510UL	04/03 RFO
44	71	9.50	187	P	1	DNT	LTS	+0.05	UTE	LTE				91		510UL	04/03 RFO
44	72	8.96	185	P	1	DNT	LTS	+0.09	UTE	LTE				137		510UL	04/03 RFO
44	73	7.77	189	P	1	DNT	LTS	-0.09	UTE	LTE				91		510UL	04/03 RFO
44	107	0.33	90	3		NQI	014	+5.24	UTE	LTE				53		510UL	04/03 RFO
44	115	0.57	67	P	1	NQI	009	+0.25	UTE	LTE				53		510UL	04/03 RFO
44	119	1.06	73	P	1	NQI	010	-0.50	UTE	LTE				69		510UL	04/03 RFO
		1.16	41	P	1	NQI	LTS	-0.40	UTE	LTE				69		510UL	04/03 RFO
45	1	0.62	70	3		NQI	015	+23.72	UTE	LTE				38		510UL	04/03 RFO
45	6	6.12	176	3		DNT	LTE	+10.17	UTE	LTE				38		510UL	04/03 RFO
45	31	7.59	179	3		DNT	001	+5.84	UTE	LTE				131		510UL	04/03 RFO
45	32	0.41	81	P	1	NQI	014	-0.14	UTE	LTE				132		510UL	04/03 RFO
45	42	1.79	129	3		NQI	014	+29.01	UTE	LTE				132		510UL	04/03 RFO
45	45	0.77	99	3		NQI	011	+33.25	UTE	LTE				117		510UL	04/03 RFO
45	47	6.03	217	P	1	DNT	LTS	+0.00	UTE	LTE				117		510UL	04/03 RFO
45	50	0.39	105	3		NQI	011	+18.83	UTE	LTE				118		510UL	04/03 RFO
45	54	7.96	184	P	1	DNT	LTS	-0.07	UTE	LTE				118		510UL	04/03 RFO
45	56	7.32	183	P	1	DNT	LTS	-0.05	UTE	LTE				118		510UL	04/03 RFO
45	57	10.14	192	P	1	DNT	LTS	-0.04	UTE	LTE				117		510UL	04/03 RFO
45	58	14.12	176	P	1	DNT	LTS	+0.00	UTE	LTE				118		510UL	04/03 RFO
45	60	7.32	177	P	1	DNT	LTS	-0.09	UTE	LTE				91		510UL	04/03 RFO
45	61	6.22	184	P	1	DNT	LTS	+0.04	UTE	LTE				137		510UL	04/03 RFO
45	62	8.96	186	P	1	DNT	LTS	+0.00	UTE	LTE				91		510UL	04/03 RFO
45	63	9.65	177	P	1	DNT	LTS	+0.02	UTE	LTE				137		510UL	04/03 RFO
45	64	0.43	76	3		NQI	009	+26.67	UTE	LTE				91		510UL	04/03 RFO
		6.84	187	P	1	DNT	LTS	-0.16	UTE	LTE				91		510UL	04/03 RFO
45	65	13.24	177	P	1	DNT	LTS	+0.00	UTE	LTE				137		510UL	04/03 RFO
45	66	12.01	177	P	1	DNT	LTS	+0.11	UTE	LTE				91		510UL	04/03 RFO
45	67	10.35	170	P	1	DNT	LTS	-0.02	UTE	LTE				137		510UL	04/03 RFO
45	68	8.34	185	P	1	DNT	LTS	-0.09	UTE	LTE				91		510UL	04/03 RFO
45	69	15.61	175	P	1	DNT	LTS	-0.07	UTE	LTE				137		510UL	04/03 RFO
45	70	10.01	175	P	1	DNT	LTS	+0.02	UTE	LTE				91		510UL	04/03 RFO
45	72	0.48	104	3		NQI	011	+19.06	UTE	LTE				91		510UL	04/03 RFO
45	73	11.22	181	P	1	DNT	LTS	-0.11	UTE	LTE				137		510UL	04/03 RFO
		0.70	51	P	1	NQI	014	+0.49	UTE	LTE				137		510UL	04/03 RFO
45	74	15.84	186	P	1	DNT	LTS	-0.04	UTE	LTE				91		510UL	04/03 RFO
45	75	6.92	190	P	1	DNT	LTS	+0.00	UTE	LTE				137		510UL	04/03 RFO
45	112	0.46	122	3		NQI	002	+35.43	UTE	LTE				54		510UL	04/03 RFO
45	113	1.05	75	P	1	NQI	003	+0.74	UTE	LTE				53		510UL	04/03 RFO
45	117	0.99	72	P	1	NQI	014	+0.98	UTE	LTE				54		510UL	04/03 RFO
45	120	1.17	35	P	1	NQI	LTS	-0.30	UTE	LTE				69		510UL	04/03 RFO
46	3	0.76	121	3		NQI	009	+38.81	UTE	LTE				37		510UL	04/03 RFO
46	7	0.68	116	3		NQI	015	+1.20	UTE	LTE				37		510UL	04/03 RFO
		6.49	173	3		DNT	LTE	+10.98	UTE	LTE				37		510UL	04/03 RFO
46	14	0.40	104	3		NQI	012	+32.90	UTE	LTE				34		510UL	04/03 RFO
46	39	0.58	81	P	1	NQI	014	+0.96	UTE	LTE				132		510UL	04/03 RFO
46	54	8.52	183	P	1	DNT	LTS	-0.07	UTE	LTE				118		510UL	04/03 RFO
46	55	6.93	192	P	1	DNT	LTS	-0.02	UTE	LTE				117		510UL	04/03 RFO
46	56	11.47	173	P	1	DNT	LTS	-0.02	UTE	LTE				118		510UL	04/03 RFO
46	57	12.04	187	P	1	DNT	LTS	+0.00	UTE	LTE				117		510UL	04/03 RFO
46	58	14.36	177	P	1	DNT	LTS	+0.00	UTE	LTE				118		510UL	04/03 RFO
46	59	16.78	181	P	1	DNT	LTS	-0.02	UTE	LTE				161		510UL	04/03 RFO
		1.01	117	3		NQI	015	+1.78	UTE	LTE				161		510UL	04/03 RFO
46	60	9.10	188	P	1	DNT	LTS	+0.00	UTE	LTE				97		510UL	04/03 RFO
46	61	9.96	189	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
46	62	8.65	183	P	1	DNT	LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
46	63	12.20	165	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.58	85	P	1	NQI	LTE	+3.45	UTE	LTE				96		510UL	04/03 RFO
46	65	13.34	181	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
46	66	10.41	187	P	1	DNT	LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
46	67	14.74	169	P	1	DNT	LTS	+0.12	UTE	LTE				96		510UL	04/03 RFO
46	69	12.94	182	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
46	70	12.70	175	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
46	71	14.80	164	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
46	72	26.01	181	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
46	73	15.56	170	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
46	74	10.23	188	P	1	DNT	LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
46	75	8.97	184	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
46	77	0.86	51	P	1	NQI	014	+0.40	UTE	LTE				96		510UL	04/03 RFO
46	94	0.25	101	3		NQI	014	+11.17	UTE	LTE				53		510UL	04/03 RFO
46	105	0.46	110	3		NQI	015	+36.39	UTE	LTE				54		510UL	04/03 RFO
46	116	0.86	63	P	1	NQI	006	-0.52	UTE	LTE				68		510UL	04/03 RFO
46	119	1.13	140	3		NQI	010	+1.36	UTE	LTE				69		510UL	04/03 RFO
		0.65	83	P	1	NQI	010	+0.60	UTE	LTE				69		510UL	04/03 RFO
		0.39	135	3		NQI	010	+2.98	UTE	LTE				69		510UL	04/03 RFO
47	1	4.02	128	3		NQI	015	+17.53	UTE	LTE				38		510UL	04/03 RFO
		1.00	89	3		NQI	015	+18.89	UTE	LTE				38		510UL	04/03 RFO
47	5	0.52	40	P	1	NQI	009	+0.66	UTE	LTE				37		510UL	04/03 RFO
47	7	13.07	176	3		DNT	LTE	+10.93	UTE	LTE				38		510UL	04/03 RFO
47	20	0.27	125	P	1	NQI	010	-0.62	UTE	LTE				33		510UL	04/03 RFO
47	51	7.23	184	P	1	DNT	LTS	-0.07	UTE	LTE				118		510UL	04/03 RFO
47	52	6.02	200	P	1	DNT	LTS	-0.11	UTE	LTE				121		510UL	04/03 RFO
47	53	10.17	171	P	1	DNT	LTS	-0.09	UTE	LTE				122		510UL	04/03 RFO
47	54	6.55	197	P	1	DNT	LTS	-0.04	UTE	LTE				121		510UL	04/03 RFO
47	55	8.27	174	P	1	DNT	LTS	+0.07	UTE	LTE				122		510UL	04/03 RFO
47	56	10.63	184	P	1	DNT	LTS	+0.07	UTE	LTE				121		510UL	04/03 RFO
47	57	0.54	81	3		NQI	015	+30.81	UTE	LTE				122		510UL	04/03 RFO
		24.36	181	P	1	DNT	LTS	+0.00	UTE	LTE				122		510UL	04/03 RFO
47	58	14.70	184	P	1	DNT	LTS	+0.05	UTE	LTE				121		510UL	04/03 RFO
47	59	29.23	175	P	1	DNT	LTS	+0.05	UTE	LTE				122		510UL	04/03 RFO
47	60	31.06	181	P	1	DNT	LTS	+0.09	UTE	LTE				161		510UL	04/03 RFO
47	61	16.45	181	P	1	DNT	LTS	+0.07	UTE	LTE				97		510UL	04/03 RFO
47	62	10.85	171	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
47	64	18.15	181	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
47	65	11.29	165	P	1	DNT	LTS	+0.10	UTE	LTE				96		510UL	04/03 RFO
47	66	6.00	186	P	1	DNT	LTS	+0.28	UTE	LTE				97		510UL	04/03 RFO
47	67	8.39	155	P	1	DNT	LTS	+0.10	UTE	LTE				96		510UL	04/03 RFO
47	68	10.45	173	P	1	DNT	LTS	+0.16	UTE	LTE				97		510UL	04/03 RFO
47	69	10.86	165	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
47	70	6.78	188	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
47	71	7.16	156	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.39	70	3		NQI	015	+26.84	UTE	LTE				96		510UL	04/03 RFO
47	72	9.91	177	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
47	73	25.95	173	P	1	DNT	LTS	+0.17	UTE	LTE				96		510UL	04/03 RFO
47	74	16.45	176	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
47	75	47.02	174	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
47	76	17.80	180	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
47	78	7.13	208	P	1	DNT	LTS	-0.14	UTE	LTE				97		510UL	04/03 RFO
47	79	8.86	179	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
47	80	8.12	194	P	1	DNT	LTS	-0.02	UTE	LTE				97		510UL	04/03 RFO
		0.49	99	3		NQI	009	+37.25	UTE	LTE				97		510UL	04/03 RFO
47	81	7.37	184	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
47	104	0.52	69	3		NQI	015	+13.28	UTE	LTE				52		510UL	04/03 RFO
47	110	0.58	127	3		NQI	013	+10.87	UTE	LTE				52		510UL	04/03 RFO
		0.48	124	3		NQI	013	+16.94	UTE	LTE				52		510UL	04/03 RFO
47	121	0.55	68	P	1	NQI	010	-0.48	UTE	LTE				69		510UL	04/03 RFO
48	3	0.59	113	3		NQI	009	+36.75	UTE	LTE				37		510UL	04/03 RFO
		0.52	126	3		NQI	009	+37.69	UTE	LTE				37		510UL	04/03 RFO
48	5	0.26	99	3		NQI	014	+14.52	UTE	LTE				37		510UL	04/03 RFO
48	7	0.54	86	P	1	NQI	004	-0.73	UTE	LTE				37		510UL	04/03 RFO
48	15	0.38	103	3		NQI	011	+26.17	UTE	LTE				37		510UL	04/03 RFO
48	16	0.41	111	P	1	NQI	003	+0.50	UTE	LTE				33		510UL	04/03 RFO
48	31	0.89	45	P	1	NQI	015	+0.52	UTE	LTE				132		510UL	04/03 RFO
48	34	0.31	101	3		NQI	015	+44.28	UTE	LTE				131		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
48	51	1.21	113	3	NQI		012	+17.41	UTE	LTE				122		510UL	04/03 RFO
		8.31	185	P 1	DNT		LTS	-0.14	UTE	LTE				122		510UL	04/03 RFO
48	52	7.03	198	P 1	DNT		LTS	-0.05	UTE	LTE				121		510UL	04/03 RFO
48	53	11.66	181	P 1	DNT		LTS	-0.02	UTE	LTE				122		510UL	04/03 RFO
48	54	9.07	190	P 1	DNT		LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
48	55	10.17	178	P 1	DNT		LTS	+0.00	UTE	LTE				122		510UL	04/03 RFO
48	56	8.62	181	P 1	DNT		LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
48	57	14.42	173	P 1	DNT		LTS	+0.00	UTE	LTE				122		510UL	04/03 RFO
48	58	33.61	184	P 1	DNT		LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
48	59	39.83	176	P 1	DNT		LTS	+0.05	UTE	LTE				122		510UL	04/03 RFO
48	60	40.80	181	P 1	DNT		LTS	+0.09	UTE	LTE				161		510UL	04/03 RFO
48	61	24.56	180	P 1	DNT		LTS	+0.02	UTE	LTE				161		510UL	04/03 RFO
48	62	15.77	183	P 1	DNT		LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
48	63	7.17	181	P 1	DNT		LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
48	64	9.61	163	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	65	9.90	178	P 1	DNT		LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
48	66	13.22	165	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	68	6.87	165	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	69	0.73	29	P 1	NQI		014	+0.39	UTE	LTE				97		510UL	04/03 RFO
48	70	6.84	161	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	72	6.93	161	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.42	81	3	NQI		LTS	+22.75	UTE	LTE				96		510UL	04/03 RFO
48	73	10.94	169	P 1	DNT		LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
48	74	20.18	168	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.41	100	3	NQI		006	+22.42	UTE	LTE				96		510UL	04/03 RFO
48	75	34.02	181	P 1	DNT		LTS	+0.16	UTE	LTE				97		510UL	04/03 RFO
48	76	52.25	175	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.35	90	3	NQI		011	+12.12	UTE	LTE				96		510UL	04/03 RFO
48	77	29.75	182	P 1	DNT		LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
		0.75	30	P 1	NQI		014	+0.41	UTE	LTE				97		510UL	04/03 RFO
48	78	27.05	175	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	79	15.33	188	P 1	DNT		LTS	-0.02	UTE	LTE				97		510UL	04/03 RFO
48	80	16.12	175	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.30	63	P 1	NQI		014	+0.14	UTE	LTE				96		510UL	04/03 RFO
48	81	8.29	191	P 1	DNT		LTS	-0.07	UTE	LTE				97		510UL	04/03 RFO
		0.78	41	P 1	NQI		015	+0.39	UTE	LTE				97		510UL	04/03 RFO
48	82	7.60	171	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	84	6.16	180	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
48	101	0.26	129	3	NQI		015	+32.93	UTE	LTE				49		510UL	04/03 RFO
48	110	0.53	129	3	NQI		015	+37.47	UTE	LTE				52		510UL	04/03 RFO
48	117	0.34	73	P 1	NQI		015	-0.11	UTE	LTE				64		510UL	04/03 RFO
48	118	1.39	68	P 1	NQI		010	+0.48	UTE	LTE				65		510UL	04/03 RFO
49	2	1.33	132	3	NQI		015	+31.06	UTE	LTE				37		510UL	04/03 RFO
49	6	0.51	68	3	NQI		009	+21.55	UTE	LTE				37		510UL	04/03 RFO
49	17	7.36	181	3	DNT		UTS	+11.81	UTE	LTE				33		510UL	04/03 RFO
49	46	0.56	128	3	NQI		009	+21.98	UTE	LTE				140		510UL	04/03 RFO
		0.45	61	P 1	NQI		009	+0.27	UTE	LTE				140		510UL	04/03 RFO
49	51	6.38	211	P 1	DNT		LTS	-0.14	UTE	LTE				121		510UL	04/03 RFO
49	52	8.09	186	P 1	DNT		LTS	-0.02	UTE	LTE				122		510UL	04/03 RFO
49	53	6.36	194	P 1	DNT		LTS	-0.07	UTE	LTE				121		510UL	04/03 RFO
49	54	8.50	175	P 1	DNT		LTS	+0.02	UTE	LTE				122		510UL	04/03 RFO
49	55	6.51	190	P 1	DNT		LTS	+0.11	UTE	LTE				121		510UL	04/03 RFO
49	56	13.30	180	P 1	DNT		LTS	+0.02	UTE	LTE				122		510UL	04/03 RFO
49	57	10.68	181	P 1	DNT		LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
49	58	49.49	182	P 1	DNT		LTS	+0.05	UTE	LTE				122		510UL	04/03 RFO
49	59	33.47	184	P 1	DNT		LTS	+0.07	UTE	LTE				121		510UL	04/03 RFO
49	60	52.93	179	P 1	DNT		LTS	+0.07	UTE	LTE				122		510UL	04/03 RFO
49	61	28.89	181	P 1	DNT		LTS	+0.04	UTE	LTE				161		510UL	04/03 RFO
49	62	26.57	181	P 1	DNT		LTS	+0.00	UTE	LTE				161		510UL	04/03 RFO
49	63	11.17	183	P 1	DNT		LTS	+0.05	UTE	LTE				97		510UL	04/03 RFO
49	64	17.39	172	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	65	8.19	185	P 1	DNT		LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
49	66	14.91	168	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	67	6.75	185	P 1	DNT		LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
49	68	11.26	162	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	69	9.23	185	P 1	DNT		LTS	+0.12	UTE	LTE				97		510UL	04/03 RFO
49	70	10.06	167	P 1	DNT		LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	71	0.37	92	3	NQI		015	+44.65	UTE	LTE				97		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
49	72	6.09	183	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	73	7.73	187	P	1	DNT	LTS	+0.39	UTE	LTE				97		510UL	04/03 RFO
49	74	14.34	162	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	75	24.46	178	P	1	DNT	LTS	+0.18	UTE	LTE				97		510UL	04/03 RFO
49	77	38.44	183	P	1	DNT	LTS	+0.07	UTE	LTE				97		510UL	04/03 RFO
49	78	35.79	175	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	79	22.59	181	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
49	80	36.82	175	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	81	13.09	187	P	1	DNT	LTS	+0.07	UTE	LTE				97		510UL	04/03 RFO
49	83	10.58	188	P	1	DNT	LTS	-0.02	UTE	LTE				97		510UL	04/03 RFO
49	84	8.46	170	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
49	85	1.14	65	P	1	NQI	UTS	+19.55	UTE	LTE				97		510UL	04/03 RFO
49	106	0.59	102	3		NQI	006	+32.41	UTE	LTE				49		510UL	04/03 RFO
		0.44	103	3		NQI	006	+35.00	UTE	LTE				49		510UL	04/03 RFO
		0.28	100	3		NQI	009	+22.13	UTE	LTE				49		510UL	04/03 RFO
49	118	0.52	50	P	1	NQI	015	+0.25	UTE	LTE				64		510UL	04/03 RFO
49	119	1.26	70	P	1	NQI	010	+0.48	UTE	LTE				65		510UL	04/03 RFO
		1.42	72	P	1	NQI	014	+0.88	UTE	LTE				65		510UL	04/03 RFO
49	123	1.39	38	3		NQI	015	+31.06	UTE	LTE				65		510UL	04/03 RFO
		0.66	130	P	1	NQI	011	+0.69	UTE	LTE				65		510UL	04/03 RFO
50	1	0.80	96	P	1	NQI	013	-0.81	UTE	LTE				38		510UL	04/03 RFO
50	2	0.56	122	3		NQI	014	+8.04	UTE	LTE				38		510UL	04/03 RFO
50	3	0.52	87	3		NQI	009	+33.41	UTE	LTE				37		510UL	04/03 RFO
		0.60	126	3		NQI	009	+30.38	UTE	LTE				37		510UL	04/03 RFO
		0.42	115	3		NQI	009	+30.02	UTE	LTE				37		510UL	04/03 RFO
50	5	0.62	80	3		NQI	009	+21.44	UTE	LTE				37		510UL	04/03 RFO
50	7	0.72	138	3		NQI	009	+5.71	UTE	LTE				37		510UL	04/03 RFO
		0.84	140	3		NQI	009	+2.50	UTE	LTE				37		510UL	04/03 RFO
50	9	0.32	100	3		NQI	010	+23.09	UTE	LTE				37		510UL	04/03 RFO
50	15	0.14	74	P	1	NQI	011	+0.48	UTE	LTE				33		510UL	04/03 RFO
50	17	0.19	102	3		NQI	008	+10.20	UTE	LTE				33		510UL	04/03 RFO
50	21	0.32	121	P	1	NQI	010	-0.60	UTE	LTE				33		510UL	04/03 RFO
50	23	0.49	88	3		NQI	015	+4.84	UTE	LTE				33		510UL	04/03 RFO
50	37	0.41	85	3		NQI	014	+7.82	UTE	LTE				131		510UL	04/03 RFO
50	50	6.11	189	P	1	DNT	LTS	-0.05	UTE	LTE				121		510UL	04/03 RFO
50	51	8.83	181	P	1	DNT	LTS	+0.00	UTE	LTE				122		510UL	04/03 RFO
50	53	7.21	193	P	1	DNT	LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
50	54	7.13	193	P	1	DNT	LTS	+0.05	UTE	LTE				121		510UL	04/03 RFO
50	55	11.49	178	P	1	DNT	LTS	+0.05	UTE	LTE				122		510UL	04/03 RFO
50	56	10.15	186	P	1	DNT	LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
50	57	34.10	176	P	1	DNT	LTS	+0.09	UTE	LTE				122		510UL	04/03 RFO
50	58	40.88	185	P	1	DNT	LTS	+0.09	UTE	LTE				121		510UL	04/03 RFO
50	59	58.80	182	P	1	DNT	LTS	+0.07	UTE	LTE				122		510UL	04/03 RFO
50	60	34.00	182	P	1	DNT	LTS	+0.11	UTE	LTE				161		510UL	04/03 RFO
50	61	36.61	180	P	1	DNT	LTS	+0.00	UTE	LTE				161		510UL	04/03 RFO
50	62	35.00	182	P	1	DNT	LTS	+0.09	UTE	LTE				161		510UL	04/03 RFO
50	63	19.28	180	P	1	DNT	LTS	+0.18	UTE	LTE				97		510UL	04/03 RFO
50	64	13.44	170	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	65	17.02	177	P	1	DNT	LTS	+0.16	UTE	LTE				97		510UL	04/03 RFO
50	66	18.25	167	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	67	15.05	179	P	1	DNT	LTS	+0.05	UTE	LTE				97		510UL	04/03 RFO
50	68	0.58	77	P	1	NQI	UTS	+2.76	UTE	LTE				96		510UL	04/03 RFO
		13.14	164	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	69	9.61	183	P	1	DNT	LTS	+0.05	UTE	LTE				97		510UL	04/03 RFO
50	70	11.79	170	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	71	10.24	178	P	1	DNT	LTS	+0.12	UTE	LTE				97		510UL	04/03 RFO
50	72	7.96	168	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	73	8.17	184	P	1	DNT	LTS	+0.23	UTE	LTE				97		510UL	04/03 RFO
50	74	16.15	171	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	75	52.94	184	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
50	76	43.29	173	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	77	44.67	186	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
50	78	23.89	173	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	79	26.12	182	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
50	80	31.26	175	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
50	81	24.86	185	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
		0.82	54	P	1	NQI	014	+0.41	UTE	LTE				97		510UL	04/03 RFO
50	82	27.95	174	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
50	83	11.60	186	P	1	DNT	LTS	+0.02						97		510UL	04/03 RFO
50	84	9.44	173	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
50	85	6.35	202	P	1	DNT	LTS	-0.05						97		510UL	04/03 RFO
50	95	0.49	76	P	1	NQI	014	+0.53						52		510UL	04/03 RFO
		3.55	115	3		NQI	LTS	+21.14	TO+30.16					52		510UL	04/03 RFO
50	106	0.35	125	3		NQI	012	+28.16						49		510UL	04/03 RFO
		0.22	90	3		NQI	012	+24.58						49		510UL	04/03 RFO
		0.38	77	3		NQI	012	+23.29						49		510UL	04/03 RFO
		0.27	93	3		NQI	012	+14.61						49		510UL	04/03 RFO
		0.39	97	3		NQI	012	+9.81						49		510UL	04/03 RFO
		0.26	73	3		NQI	012	+9.47						49		510UL	04/03 RFO
		0.31	124	3		NQI	012	+8.54						49		510UL	04/03 RFO
		0.44	101	3		NQI	012	+4.64						49		510UL	04/03 RFO
		0.44	91	3		NQI	012	+3.08						49		510UL	04/03 RFO
		0.44	98	3		NQI	011	+31.26						49		510UL	04/03 RFO
		0.32	76	3		NQI	011	+30.46						49		510UL	04/03 RFO
		0.61	93	3		NQI	011	+14.66						49		510UL	04/03 RFO
		0.23	101	3		NQI	011	+13.37						49		510UL	04/03 RFO
		0.42	95	3		NQI	011	+3.61						49		510UL	04/03 RFO
		0.27	80	3		NQI	011	+2.36						49		510UL	04/03 RFO
		0.40	99	3		NQI	009	+32.68	TO+17.28					49		510UL	04/03 RFO
		0.65	102	3		NQI	014	+8.18						49		510UL	04/03 RFO
		0.54	93	3		NQI	014	+6.94						49		510UL	04/03 RFO
		0.33	102	3		NQI	013	+28.42						49		510UL	04/03 RFO
		0.37	84	3		NQI	012	+15.09						49		510UL	04/03 RFO
		0.60	104	3		NQI	010	+27.10	TO+2.98					49		510UL	04/03 RFO
		0.41	92	3		NQI	011	+12.58						49		510UL	04/03 RFO
		0.37	90	3		NQI	013	+32.98						49		510UL	04/03 RFO
50	121	0.74	127	P	1	NQI	015	+0.26						65		510UL	04/03 RFO
51	3	0.61	86	3		NQI	010	+7.06						38		510UL	04/03 RFO
51	5	0.63	113	3		NQI	009	+16.56						38		510UL	04/03 RFO
51	12	0.37	78	3		NQI	012	+8.01						37		510UL	04/03 RFO
51	42	2.68	15	3		NQI	006	+16.04						132		510UL	04/03 RFO
51	50	6.91	171	P	1	DNT	LTS	+0.00						122		510UL	04/03 RFO
51	52	9.82	177	P	1	DNT	LTS	-0.02						122		510UL	04/03 RFO
51	53	9.54	174	P	1	DNT	LTS	+0.07						121		510UL	04/03 RFO
51	54	16.61	174	P	1	DNT	LTS	+0.00						122		510UL	04/03 RFO
51	55	9.99	180	P	1	DNT	LTS	+0.09						121		510UL	04/03 RFO
51	56	0.63	80	3		NQI	001	+22.93						122		510UL	04/03 RFO
		15.24	177	P	1	DNT	LTS	+0.00						122		510UL	04/03 RFO
51	57	21.46	180	P	1	DNT	LTS	+0.05						121		510UL	04/03 RFO
51	58	39.07	182	P	1	DNT	LTS	+0.07						122		510UL	04/03 RFO
51	59	31.00	184	P	1	DNT	LTS	+0.11						121		510UL	04/03 RFO
51	60	41.66	179	P	1	DNT	LTS	+0.17						122		510UL	04/03 RFO
51	61	28.95	180	P	1	DNT	LTS	+0.05						161		510UL	04/03 RFO
51	62	0.39	98	3		NQI	012	+32.35						161		510UL	04/03 RFO
		30.46	181	P	1	DNT	LTS	+0.04						161		510UL	04/03 RFO
51	63	12.99	184	P	1	DNT	LTS	+0.07						97		510UL	04/03 RFO
51	64	13.43	174	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	65	20.28	180	P	1	DNT	LTS	+0.09						97		510UL	04/03 RFO
		0.46	146	3		NQI	007	+20.40						97		510UL	04/03 RFO
51	66	10.39	163	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	67	13.71	178	P	1	DNT	LTS	+0.11						97		510UL	04/03 RFO
51	68	19.10	170	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	69	17.81	178	P	1	DNT	LTS	+0.09						97		510UL	04/03 RFO
51	70	18.27	170	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	71	17.10	181	P	1	DNT	LTS	+0.14						97		510UL	04/03 RFO
51	72	16.73	164	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
		0.41	68	3		NQI	013	+24.44						96		510UL	04/03 RFO
51	73	10.09	180	P	1	DNT	LTS	+0.18						97		510UL	04/03 RFO
51	74	20.85	172	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	75	8.41	190	P	1	DNT	LTS	+0.14						97		510UL	04/03 RFO
		0.27	64	3		NQI	015	+19.77						97		510UL	04/03 RFO
51	76	56.83	178	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	77	71.50	185	P	1	DNT	LTS	+0.16						97		510UL	04/03 RFO
51	78	44.74	176	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO
51	79	23.16	182	P	1	DNT	LTS	+0.11						97		510UL	04/03 RFO
51	80	39.02	176	P	1	DNT	LTS	+0.00						96		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
51	81	30.35	183	P	1	DNT	LTS	+0.07	UTE	LTE				97		510UL	04/03 RFO
51	82	23.35	174	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
51	83	22.99	186	P	1	DNT	LTS	+0.05	UTE	LTE				97		510UL	04/03 RFO
51	84	17.40	180	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
51	95	0.22	63	P	1	NQI	014	+0.20	UTE	LTE				49		510UL	04/03 RFO
51	102	0.32	81	3		NQI	006	+12.78	UTE	LTE				49		510UL	04/03 RFO
51	104	0.39	102	P	1	NQI	UTS	+16.34	UTE	LTE				52		510UL	04/03 RFO
51	110	0.43	107	3		NQI	014	+4.00	UTE	LTE				52		510UL	04/03 RFO
		0.41	109	3		NQI	013	+21.51	UTE	LTE				52		510UL	04/03 RFO
51	121	0.90	50	P	1	NQI	010	+0.36	UTE	LTE				64		510UL	04/03 RFO
51	123	1.24	32	P	1	NQI	009	-0.79	UTE	LTE				64		510UL	04/03 RFO
		0.93	43	P	1	NQI	010	+0.32	UTE	LTE				64		510UL	04/03 RFO
52	1	1.02	126	3		NQI	014	+4.38	UTE	LTE				38		510UL	04/03 RFO
		0.69	105	3		NQI	013	+6.61	UTE	LTE				38		510UL	04/03 RFO
52	2	0.96	64	P	1	NQI	011	-0.71	UTE	LTE				38		510UL	04/03 RFO
		0.81	72	P	1	NQI	011	+0.59	UTE	LTE				38		510UL	04/03 RFO
52	3	0.48	94	3		NQI	010	+4.78	UTE	LTE				37		510UL	04/03 RFO
52	16	0.30	71	3		NQI	013	+17.04	UTE	LTE				33		510UL	04/03 RFO
52	31	2.97	17	3		NQI	001	+16.27	UTE	LTE				132		510UL	04/03 RFO
52	48	0.37	101	3		NQI	009	+29.61	UTE	LTE				121		510UL	04/03 RFO
		0.44	128	3		NQI	008	+34.12	UTE	LTE				121		510UL	04/03 RFO
52	50	10.32	183	P	1	DNT	LTS	-0.02	UTE	LTE				122		510UL	04/03 RFO
52	52	0.52	63	3		NQI	015	+14.20	UTE	LTE				122		510UL	04/03 RFO
		7.47	176	P	1	DNT	LTS	-0.05	UTE	LTE				122		510UL	04/03 RFO
52	53	6.63	167	P	1	DNT	LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
52	54	23.38	176	P	1	DNT	LTS	+0.02	UTE	LTE				122		510UL	04/03 RFO
52	55	16.40	181	P	1	DNT	LTS	+0.07	UTE	LTE				121		510UL	04/03 RFO
52	56	21.22	176	P	1	DNT	LTS	+0.05	UTE	LTE				122		510UL	04/03 RFO
52	57	12.40	176	P	1	DNT	LTS	+0.07	UTE	LTE				121		510UL	04/03 RFO
52	58	30.50	176	P	1	DNT	LTS	+0.14	UTE	LTE				122		510UL	04/03 RFO
52	59	35.89	185	P	1	DNT	LTS	+0.07	UTE	LTE				121		510UL	04/03 RFO
52	60	37.53	180	P	1	DNT	LTS	+0.07	UTE	LTE				122		510UL	04/03 RFO
52	61	26.58	181	P	1	DNT	LTS	+0.07	UTE	LTE				161		510UL	04/03 RFO
52	62	21.00	180	P	1	DNT	LTS	+0.07	UTE	LTE				161		510UL	04/03 RFO
52	63	32.48	181	P	1	DNT	LTS	+0.04	UTE	LTE				161		510UL	04/03 RFO
52	64	18.20	181	P	1	DNT	LTS	+0.02	UTE	LTE				97		510UL	04/03 RFO
52	65	18.51	168	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	66	26.46	179	P	1	DNT	LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
52	67	30.63	172	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	68	25.53	180	P	1	DNT	LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
52	69	18.20	167	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	70	18.33	177	P	1	DNT	LTS	+0.05	UTE	LTE				97		510UL	04/03 RFO
52	71	0.51	103	3		NQI	003	+28.06	UTE	LTE				96		510UL	04/03 RFO
		23.79	170	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	72	13.28	177	P	1	DNT	LTS	+0.16	UTE	LTE				97		510UL	04/03 RFO
		0.60	87	3		NQI	002	+29.12	UTE	LTE				97		510UL	04/03 RFO
52	73	19.15	168	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	74	21.80	176	P	1	DNT	LTS	+0.11	UTE	LTE				97		510UL	04/03 RFO
52	75	18.60	166	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	77	41.02	182	P	1	DNT	LTS	+0.16	UTE	LTE				97		510UL	04/03 RFO
52	78	35.77	182	P	1	DNT	LTS	+0.14	UTE	LTE				97		510UL	04/03 RFO
52	79	44.49	175	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	80	34.49	184	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
52	81	27.96	173	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	82	1.22	155	3		NQI	014	+18.45	UTE	LTE				97		510UL	04/03 RFO
		36.74	182	P	1	DNT	LTS	+0.09	UTE	LTE				97		510UL	04/03 RFO
52	83	32.15	173	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
		0.53	84	P	1	NQI	014	+0.10	UTE	LTE				96		510UL	04/03 RFO
52	84	15.54	183	P	1	DNT	LTS	+0.18	UTE	LTE				97		510UL	04/03 RFO
		0.93	71	P	1	NQI	014	+0.27	UTE	LTE				97		510UL	04/03 RFO
52	85	19.10	177	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	86	13.83	187	P	1	DNT	LTS	+0.05	UTE	LTE				97		510UL	04/03 RFO
52	87	9.23	182	P	1	DNT	LTS	+0.00	UTE	LTE				96		510UL	04/03 RFO
52	100	7.63	182	3		DNT	002	+35.26	UTE	LTE				49		510UL	04/03 RFO
52	106	0.45	99	3		NQI	010	+13.81	UTE	LTE				49		510UL	04/03 RFO
52	119	0.39	74	P	1	NQI	015	+0.16	UTE	LTE				49		510UL	04/03 RFO
52	123	0.94	141	P	1	NQI	009	-0.83	UTE	LTE				65		510UL	04/03 RFO
53	1	1.26	72	P	1	NQI	013	-0.59	UTE	LTE				38		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
53	2	0.67	115	3	NQI		010	+6.32	UTE	LTE				37		510UL	04/03 RFO
		0.77	96	P 1	NQI		011	+0.50	UTE	LTE				37		510UL	04/03 RFO
53	3	1.02	78	P 1	NQI		011	+0.66	UTE	LTE				38		510UL	04/03 RFO
		0.59	79	P 1	NQI		011	-0.79	UTE	LTE				38		510UL	04/03 RFO
53	26	0.56	77	P 1	NQI		UTS	+21.69	UTE	LTE				37		510UL	04/03 RFO
53	35	0.54	79	3	NQI		007	+7.11	UTE	LTE				132		510UL	04/03 RFO
53	50	0.25	88	3	NQI		LTS	+9.70	UTE	LTE				121		510UL	04/03 RFO
		7.74	195	P 1	DNT		LTS	+0.00	UTE	LTE				121		510UL	04/03 RFO
53	51	7.85	174	P 1	DNT		LTS	+0.00	UTE	LTE				122		510UL	04/03 RFO
53	52	6.49	185	P 1	DNT		LTS	+0.00	UTE	LTE				121		510UL	04/03 RFO
53	54	22.16	181	P 1	DNT		LTS	+0.05	UTE	LTE				121		510UL	04/03 RFO
53	55	29.05	177	P 1	DNT		LTS	+0.05	UTE	LTE				122		510UL	04/03 RFO
53	56	0.50	86	3	NQI		005	+7.10	UTE	LTE				121		510UL	04/03 RFO
		24.93	182	P 1	DNT		LTS	+0.07	UTE	LTE				121		510UL	04/03 RFO
53	57	15.00	173	P 1	DNT		LTS	+0.00	UTE	LTE				122		510UL	04/03 RFO
53	58	14.20	183	P 1	DNT		LTS	+0.14	UTE	LTE				121		510UL	04/03 RFO
53	59	30.78	180	P 1	DNT		LTS	+0.09	UTE	LTE				122		510UL	04/03 RFO
53	60	16.60	184	P 1	DNT		LTS	+0.02	UTE	LTE				121		510UL	04/03 RFO
53	61	24.72	180	P 1	DNT		LTS	+0.02	UTE	LTE				122		510UL	04/03 RFO
53	62	52.86	181	P 1	DNT		LTS	+0.04	UTE	LTE				161		510UL	04/03 RFO
53	63	28.19	181	P 1	DNT		LTS	+0.02	UTE	LTE				161		510UL	04/03 RFO
53	64	37.24	182	P 1	DNT		LTS	+0.02	UTE	LTE				161		510UL	04/03 RFO
53	65	21.87	186	P 1	DNT		LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
53	66	32.44	175	P 1	DNT		LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
53	67	27.74	181	P 1	DNT		LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
53	69	16.25	181	P 1	DNT		LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
53	71	16.60	180	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
53	72	18.37	165	P 1	DNT		LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
53	73	21.06	181	P 1	DNT		LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
53	74	0.85	50	P 1	NQI		005	-0.48	UTE	LTE				104		510UL	04/03 RFO
		17.99	166	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
53	75	0.57	47	P 1	NQI		003	+0.25	UTE	LTE				103		510UL	04/03 RFO
		33.69	184	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
53	76	26.25	167	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
53	77	21.68	183	P 1	DNT		LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
53	78	24.06	167	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
53	79	38.78	186	P 1	DNT		LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
53	80	29.71	172	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
53	83	45.69	187	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
53	84	43.02	172	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
53	85	28.92	185	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
53	86	22.75	171	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
53	87	12.60	187	P 1	DNT		LTS	+0.05	UTE	LTE				103		510UL	04/03 RFO
53	88	10.59	174	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
		2.86	146	3	NQI		008	+32.20	UTE	LTE				104		510UL	04/03 RFO
53	105	0.65	89	3	NQI		007	+22.42	UTE	LTE				49		510UL	04/03 RFO
53	121	1.26	81	P 1	NQI		008	-0.69	UTE	LTE				65		510UL	04/03 RFO
53	122	1.05	58	P 1	NQI		015	+0.27	UTE	LTE				64		510UL	04/03 RFO
53	124	0.67	90	3	NQI		002	+34.41	UTE	LTE				64		510UL	04/03 RFO
		1.15	60	P 1	NQI		009	-0.79	UTE	LTE				64		510UL	04/03 RFO
53	125	0.66	107	3	NQI		010	+14.74	UTE	LTE				65		510UL	04/03 RFO
		1.33	39	P 1	NQI		013	+0.46	UTE	LTE				65		510UL	04/03 RFO
54	1	0.85	85	3	NQI		014	+2.60	UTE	LTE				37		510UL	04/03 RFO
54	2	3.99	81	P 1	NQI		013	-0.81	UTE	LTE				38		510UL	04/03 RFO
54	3	1.96	77	P 1	NQI		011	+0.62	UTE	LTE				38		510UL	04/03 RFO
54	4	0.66	56	P 1	NQI		LTE	+6.09	UTE	LTE				37		510UL	04/03 RFO
54	5	0.80	94	3	NQI		015	+24.12	UTE	LTE				38		510UL	04/03 RFO
		0.49	113	3	NQI		015	+35.00	UTE	LTE				38		510UL	04/03 RFO
54	8	0.47	109	P 1	NQI		009	-0.75	UTE	LTE				37		510UL	04/03 RFO
54	12	0.20	97	3	NQI		015	+38.49	UTE	LTE				37		510UL	04/03 RFO
54	51	11.94	176	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
54	52	8.50	172	P 1	DNT		LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
54	53	10.13	173	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
54	54	19.13	177	P 1	DNT		LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
54	55	22.59	181	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
54	56	16.41	175	P 1	DNT		LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
54	57	18.96	179	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
54	58	16.04	175	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
54	59	22.72	176	P	1	DNT	LTS	+0.12	LTE	UTE				4		510UL	04/03 RFO
54	60	22.28	178	P	1	DNT	LTS	+0.28	LTE	UTE				3		510UL	04/03 RFO
54	61	32.22	179	P	1	DNT	LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
54	62	33.18	181	P	1	DNT	LTS	+0.13	UTE	LTE				161		510UL	04/03 RFO
54	63	49.02	182	P	1	DNT	LTS	+0.11	UTE	LTE				161		510UL	04/03 RFO
54	64	42.67	181	P	1	DNT	LTS	+0.07	UTE	LTE				161		510UL	04/03 RFO
54	65	42.71	186	P	1	DNT	LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
54	66	35.70	172	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
54	67	0.30	108	3	NQI		013	+11.77	UTE	LTE				103		510UL	04/03 RFO
		29.32	183	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
54	68	25.73	168	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
54	69	16.23	178	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
54	70	16.40	165	P	1	DNT	LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
54	71	20.52	185	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
54	72	18.09	166	P	1	DNT	LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
54	73	0.47	61	3	NQI		013	+25.87	UTE	LTE				103		510UL	04/03 RFO
		16.76	180	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
54	74	23.46	167	P	1	DNT	LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
54	75	20.39	183	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
54	76	33.17	170	P	1	DNT	LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
54	77	48.95	187	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
54	78	40.89	172	P	1	DNT	LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
54	79	51.76	188	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
54	80	0.81	111	3	NQI		003	+8.11	UTE	LTE				104		510UL	04/03 RFO
		20.69	172	P	1	DNT	LTS	+0.15	UTE	LTE				104		510UL	04/03 RFO
54	84	19.03	183	P	1	DNT	LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
54	85	27.72	186	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
54	86	30.00	171	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
54	87	27.74	185	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
54	88	16.15	166	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
54	89	13.82	189	P	1	DNT	LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
54	106	0.69	93	3	NQI		010	+19.42	UTE	LTE				48		510UL	04/03 RFO
		0.55	97	3	NQI		011	+3.52	UTE	LTE				48		510UL	04/03 RFO
		0.66	117	3	NQI		010	+3.95	UTE	LTE				48		510UL	04/03 RFO
		0.40	94	3	NQI		009	+32.70	UTE	LTE				48		510UL	04/03 RFO
54	121	0.82	89	P	1	NQI	009	-0.56	UTE	LTE				48		510UL	04/03 RFO
54	124	0.36	92	3	NQI		009	+25.19	UTE	LTE				64		510UL	04/03 RFO
		1.24	82	P	1	NQI	009	-0.73	UTE	LTE				64		510UL	04/03 RFO
54	126	0.51	107	3	NQI		010	+19.16	UTE	LTE				64		510UL	04/03 RFO
54	127	0.72	53	P	1	NQI	007	+0.48	UTE	LTE				65		510UL	04/03 RFO
		0.65	118	3	NQI		012	+4.05	UTE	LTE				65		510UL	04/03 RFO
55	1	1.71	146	3	NQI		014	+6.56	UTE	LTE				38		510UL	04/03 RFO
		0.68	96	3	NQI		014	+5.94	UTE	LTE				38		510UL	04/03 RFO
		0.63	71	P	1	NQI	012	-0.76	UTE	LTE				38		510UL	04/03 RFO
		1.56	55	P	1	NQI	013	-0.67	UTE	LTE				38		510UL	04/03 RFO
55	3	0.63	94	3	NQI		015	+1.18	UTE	LTE				37		510UL	04/03 RFO
55	11	0.79	111	3	NQI		011	+31.97	UTE	LTE				37		510UL	04/03 RFO
55	29	0.41	92	3	NQI		008	+22.67	UTE	LTE				131		510UL	04/03 RFO
		0.36	79	3	NQI		007	+34.89	UTE	LTE				131		510UL	04/03 RFO
55	46	0.72	50	P	1	NQI	013	-0.45	UTE	LTE				132		510UL	04/03 RFO
55	48	6.62	178	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	49	6.98	172	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
55	50	11.13	176	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	51	9.47	173	P	1	DNT	LTS	+0.11	LTE	UTE				3		510UL	04/03 RFO
55	52	7.89	173	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	53	14.67	177	P	1	DNT	LTS	+0.11	LTE	UTE				3		510UL	04/03 RFO
55	54	15.94	178	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	55	12.78	174	P	1	DNT	LTS	+0.20	LTE	UTE				3		510UL	04/03 RFO
55	56	22.97	179	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	57	8.74	175	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
55	58	31.62	180	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	59	20.30	176	P	1	DNT	LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
55	60	46.61	182	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
55	61	40.13	180	P	1	DNT	LTS	+0.20	LTE	UTE				3		510UL	04/03 RFO
55	62	35.10	182	P	1	DNT	LTS	+0.11	UTE	LTE				161		510UL	04/03 RFO
55	63	34.15	182	P	1	DNT	LTS	+0.13	UTE	LTE				161		510UL	04/03 RFO
55	64	33.90	185	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
55	65	30.29	171	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
55	66	25.04	186	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
55	67	34.72	171	P	1	DNT	LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
55	68	22.02	183	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
55	69	17.95	166	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
55	70	14.56	184	P	1	DNT	LTS	+0.18	UTE	LTE				103		510UL	04/03 RFO
55	71	23.06	164	P	1	DNT	LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
55	73	0.73	92	3		NQI	010	+12.57	UTE	LTE				103		510UL	04/03 RFO
		0.55	80	3		NQI	010	+11.47	UTE	LTE				103		510UL	04/03 RFO
		0.97	90	3		NQI	010	+10.28	UTE	LTE				103		510UL	04/03 RFO
		0.46	85	3		NQI	011	+23.84	UTE	LTE				103		510UL	04/03 RFO
		19.06	182	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
55	74	27.98	172	P	1	DNT	LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
55	75	22.83	184	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
55	76	18.80	166	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
55	77	0.32	104	3		NQI	006	+32.16	UTE	LTE				103		510UL	04/03 RFO
		42.54	187	P	1	DNT	LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
55	78	33.19	169	P	1	DNT	LTS	+0.22	UTE	LTE				104		510UL	04/03 RFO
55	79	36.73	186	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
55	80	44.04	174	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
55	83	25.42	183	P	1	DNT	LTS	+0.16	UTE	LTE				103		510UL	04/03 RFO
55	84	27.10	171	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
55	85	16.66	180	P	1	DNT	LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
55	86	40.55	173	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
55	87	37.38	185	P	1	DNT	LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
55	88	18.96	168	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
55	89	14.06	177	P	1	DNT	LTS	+0.02	UTE	LTE				103		510UL	04/03 RFO
55	90	7.67	170	P	1	DNT	LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
55	91	6.03	190	P	1	DNT	LTS	-0.04	UTE	LTE				48		510UL	04/03 RFO
55	101	0.48	107	3		NQI	010	+7.14	UTE	LTE				48		510UL	04/03 RFO
55	115	0.67	69	3		NQI	009	+24.39	UTE	LTE				48		510UL	04/03 RFO
55	121	1.23	94	P	1	NQI	008	-0.70	UTE	LTE				64		510UL	04/03 RFO
55	123	1.48	75	P	1	NQI	009	-0.73	UTE	LTE				64		510UL	04/03 RFO
		1.25	118	3		NQI	009	+13.97	UTE	LTE				64		510UL	04/03 RFO
55	124	0.66	83	3		NQI	009	+29.55	UTE	LTE				65		510UL	04/03 RFO
		1.18	75	P	1	NQI	009	-0.77	UTE	LTE				65		510UL	04/03 RFO
55	125	0.84	73	P	1	NQI	011	-0.52	UTE	LTE				64		510UL	04/03 RFO
55	126	10.83	191	P	1	DNT	UTS	+0.02	UTE	LTE				65		510UL	04/03 RFO
		0.62	59	P	1	NQI	010	+0.36	UTE	LTE				65		510UL	04/03 RFO
56	4	1.14	53	P	1	NQI	011	-0.81	UTE	LTE				37		510UL	04/03 RFO
56	18	4.51	117	3		NQI	LTS	+22.07	UTE	LTE				37		510UL	04/03 RFO
56	28	0.59	78	3		NQI	001	+20.93	UTE	LTE				137		510UL	04/03 RFO
56	36	3.21	126	3		NQI	001	+36.59	UTE	LTE				131		510UL	04/03 RFO
		7.77	63	6		ADI	002	+0.53	UTE	LTE				131		510UL	04/03 RFO
		10.26	88	6		ADI	LTS	+22.50	UTE	LTE				131		510UL	04/03 RFO
56	43	0.48	67	P	1	NQI	008	-0.50	UTE	LTE				132		510UL	04/03 RFO
56	51	11.87	176	P	1	DNT	LTS	+0.00	LTE	UTE				2		510UL	04/03 RFO
56	52	7.49	176	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
56	53	9.33	174	P	1	DNT	LTS	+0.09	LTE	UTE				3		510UL	04/03 RFO
56	54	13.43	178	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
56	55	9.77	174	P	1	DNT	LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
56	56	26.04	179	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
56	57	19.65	177	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
56	58	11.72	173	P	1	DNT	LTS	+0.07	LTE	UTE				2		510UL	04/03 RFO
56	59	11.00	179	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
		0.33	83	3		NQI	011	+34.53	LTE	UTE				4		510UL	04/03 RFO
56	60	30.09	178	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
56	61	37.20	179	P	1	DNT	LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
		11.65	177	3		DNT	LTS	+0.63	LTE	UTE				3		510UL	04/03 RFO
56	62	36.75	182	P	1	DNT	LTS	+0.07	UTE	LTE				161		510UL	04/03 RFO
		9.79	178	3		DNT	LTS	+0.56	UTE	LTE				161		510UL	04/03 RFO
56	63	56.09	181	P	1	DNT	LTS	+0.07	UTE	LTE				161		510UL	04/03 RFO
		9.77	179	3		DNT	LTS	+0.61	UTE	LTE				161		510UL	04/03 RFO
56	64	53.14	182	P	1	DNT	LTS	+0.13	UTE	LTE				161		510UL	04/03 RFO
		8.65	180	3		DNT	LTS	+0.64	UTE	LTE				161		510UL	04/03 RFO
56	65	24.62	186	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
56	66	28.92	171	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
		7.01	184	3		DNT	LTS	+0.70	UTE	LTE				104		510UL	04/03 RFO
56	67	38.19	184	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
56	68	15.23	178	3	DNT		LTS	+0.72	UTE	LTE				104		510UL	04/03 RFO
		36.30	169	P 1	DNT		LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
56	69	7.45	183	3	DNT		LTS	+0.78	UTE	LTE				103		510UL	04/03 RFO
		24.94	184	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
56	70	7.13	151	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
		0.76	96	P 1	NQI		007	-0.98	UTE	LTE				104		510UL	04/03 RFO
56	72	13.80	187	P 1	DNT		LTS	+0.23	UTE	LTE				103		510UL	04/03 RFO
56	73	11.69	186	P 1	DNT		LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
56	74	17.10	165	P 1	DNT		LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
56	75	20.44	184	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
56	76	26.92	169	P 1	DNT		LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
56	77	0.47	130	3	NQI		006	+28.95	UTE	LTE				103		510UL	04/03 RFO
		0.30	116	3	NQI		006	+26.90	UTE	LTE				103		510UL	04/03 RFO
		51.28	189	P 1	DNT		LTS	+0.18	UTE	LTE				103		510UL	04/03 RFO
56	78	37.72	171	P 1	DNT		LTS	+0.17	UTE	LTE				104		510UL	04/03 RFO
56	79	42.05	187	P 1	DNT		LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
56	80	28.16	172	P 1	DNT		LTS	+0.15	UTE	LTE				104		510UL	04/03 RFO
56	81	27.65	186	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
56	82	36.23	174	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
56	83	12.84	186	P 1	DNT		LTS	+0.00	UTE	LTE				103		510UL	04/03 RFO
56	84	13.24	171	P 1	DNT		LTS	+0.02	UTE	LTE				104		510UL	04/03 RFO
		9.10	113	3	NQI		LTS	+20.84	UTE	LTE				104		510UL	04/03 RFO
56	85	18.27	182	P 1	DNT		LTS	+0.16	UTE	LTE				103		510UL	04/03 RFO
56	86	17.17	169	P 1	DNT		LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
56	87	28.44	188	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
56	88	27.22	170	P 1	DNT		LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
56	89	20.38	185	P 1	DNT		LTS	+0.05	UTE	LTE				103		510UL	04/03 RFO
56	90	12.12	168	P 1	DNT		LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
56	91	8.03	188	P 1	DNT		LTS	+0.00	UTE	LTE				48		510UL	04/03 RFO
56	92	7.20	189	P 1	DNT		LTS	+0.00	UTE	LTE				48		510UL	04/03 RFO
56	102	0.33	64	3	NQI		009	+11.43	UTE	LTE				48		510UL	04/03 RFO
56	103	0.51	110	3	NQI		010	+16.50	UTE	LTE				48		510UL	04/03 RFO
		0.47	109	3	NQI		009	+24.59	UTE	LTE				48		510UL	04/03 RFO
		0.34	76	3	NQI		008	+24.90	UTE	LTE				48		510UL	04/03 RFO
56	121	1.02	135	P 1	NQI		009	-0.59	UTE	LTE				48		510UL	04/03 RFO
56	122	1.04	56	P 1	NQI		011	-0.79	UTE	LTE				48		510UL	04/03 RFO
56	124	0.76	104	3	NQI		009	+29.68	UTE	LTE				64		510UL	04/03 RFO
		0.96	114	P 1	NQI		009	-0.71	UTE	LTE				64		510UL	04/03 RFO
		1.74	60	P 1	NQI		010	+0.50	UTE	LTE				64		510UL	04/03 RFO
56	126	1.27	35	P 1	NQI		009	-0.77	UTE	LTE				64		510UL	04/03 RFO
		0.45	97	3	NQI		010	+21.40	UTE	LTE				64		510UL	04/03 RFO
		0.47	126	3	NQI		010	+24.89	UTE	LTE				64		510UL	04/03 RFO
56	127	0.42	102	3	NQI		011	+8.13	UTE	LTE				65		510UL	04/03 RFO
		0.37	88	3	NQI		011	+9.20	UTE	LTE				65		510UL	04/03 RFO
		1.29	102	3	TWD	22	010	+30.96	UTE	LTE				65		510UL	04/03 RFO
		1.17	126	3	NQI		013	+1.22	UTE	LTE				65		510UL	04/03 RFO
		1.03	75	P 1	NQI		015	+0.09	UTE	LTE				65		510UL	04/03 RFO
		0.54	115	3	NQI		010	+32.06	UTE	LTE				65		510UL	04/03 RFO
57	1				OBS		005	+9.20	005	LTE				36		510UL	04/03 RFO
					ROB				005	LTE				36		510UL	04/03 RFO
		1.43	118	P 1	NQI		011	-0.73	014	LTE				71		510UL	04/03 RFO
		0.83	121	3	NQI		014	+7.68	014	LTE				71		510UL	04/03 RFO
57	2	1.71	94	P 1	NQI		013	-0.80	014	LTE				35		510UL	04/03 RFO
57	4	1.20	68	P 1	NQI		012	+0.68	UTE	LTE				33		510UL	04/03 RFO
		0.60	130	3	NQI		009	+30.14	UTE	LTE				33		510UL	04/03 RFO
57	12	1.26	87	3	NQI		004	+26.46	UTE	LTE				33		510UL	04/03 RFO
57	18	0.23	96	3	NQI		015	+23.90	UTE	LTE				33		510UL	04/03 RFO
		0.27	100	3	NQI		010	+10.10	UTE	LTE				33		510UL	04/03 RFO
57	25	0.43	93	3	NQI		007	+4.06	UTE	LTE				24		510UL	04/03 RFO
57	27	0.37	119	3	NQI		007	+6.43	UTE	LTE				24		510UL	04/03 RFO
57	34	0.63	112	3	NQI		006	+32.71	UTE	LTE				132		510UL	04/03 RFO
57	50	6.92	178	P 1	DNT		LTS	+0.07	LTE	UTE				3		510UL	04/03 RFO
		0.24	114	3	NQI		006	+7.98	LTE	UTE				3		510UL	04/03 RFO
57	51	8.67	178	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
57	52	7.90	179	P 1	DNT		LTS	+0.09	LTE	UTE				3		510UL	04/03 RFO
57	53	9.98	177	P 1	DNT		LTS	+0.08	LTE	UTE				4		510UL	04/03 RFO
57	54	10.98	176	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
57	55	11.51	177	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
57	56	17.65	175	P	1	DNT	LTS	+0.18	LTE	UTE				3		510UL	04/03 RFO
57	57	13.64	177	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
57	58	17.66	177	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
57	59	22.80	177	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
57	60	16.38	177	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
57	61	24.49	179	P	1	DNT	LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
		7.60	179	3		DNT	LTS	+0.63	LTE	UTE				3		510UL	04/03 RFO
57	62	41.80	180	P	1	DNT	LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
		8.29	182	3		DNT	LTS	+0.64	LTE	UTE				5		510UL	04/03 RFO
57	63	30.96	182	P	1	DNT	LTS	+0.09	UTE	LTE				161		510UL	04/03 RFO
		7.14	181	3		DNT	LTS	+0.67	UTE	LTE				161		510UL	04/03 RFO
57	64	0.26	88	3		NQI	010	+23.93	UTE	LTE				161		510UL	04/03 RFO
		34.95	182	P	1	DNT	LTS	+0.13	UTE	LTE				161		510UL	04/03 RFO
		9.54	180	3		DNT	LTS	+0.73	UTE	LTE				161		510UL	04/03 RFO
		0.24	93	3		NQI	008	+25.40	UTE	LTE				161		510UL	04/03 RFO
		0.24	88	3		NQI	011	+11.85	UTE	LTE				161		510UL	04/03 RFO
57	65	21.73	187	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
57	66	18.87	167	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
		7.12	185	3		DNT	LTS	+0.69	UTE	LTE				104		510UL	04/03 RFO
57	67	19.65	183	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
57	68	23.24	169	P	1	DNT	LTS	+0.14	UTE	LTE				104		510UL	04/03 RFO
57	69	25.00	183	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
57	70	16.62	166	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
		9.07	181	3		DNT	LTS	+0.79	UTE	LTE				104		510UL	04/03 RFO
57	71	2.09	50	P	1	NQI	LTS	-0.05	UTE	LTE				103		510UL	04/03 RFO
		9.68	183	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
57	73	9.41	175	P	1	DNT	LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
57	74	7.53	154	P	1	DNT	LTS	+0.17	UTE	LTE				104		510UL	04/03 RFO
57	75	12.35	182	P	1	DNT	LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
57	76	13.14	164	P	1	DNT	LTS	+0.17	UTE	LTE				104		510UL	04/03 RFO
57	77	20.75	183	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
57	78	35.02	172	P	1	DNT	LTS	+0.15	UTE	LTE				104		510UL	04/03 RFO
57	79	0.35	87	3		NQI	008	+2.82	UTE	LTE				103		510UL	04/03 RFO
		54.61	188	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
57	80	33.15	171	P	1	DNT	LTS	+0.17	UTE	LTE				104		510UL	04/03 RFO
57	81	23.00	184	P	1	DNT	LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
57	82	25.65	172	P	1	DNT	LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
		0.32	119	3		NQI	006	+21.60	UTE	LTE				104		510UL	04/03 RFO
57	83	37.59	186	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
57	84	10.27	161	P	1	DNT	LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
57	86	11.43	178	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
57	87	21.37	169	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
57	88	28.63	185	P	1	DNT	LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
57	89	21.20	168	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
57	90	18.91	179	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
57	91	9.30	171	P	1	DNT	LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
57	92	11.22	186	P	1	DNT	LTS	+0.00	UTE	LTE				48		510UL	04/03 RFO
57	93	6.46	188	P	1	DNT	LTS	+0.00	UTE	LTE				48		510UL	04/03 RFO
57	94	6.16	191	P	1	DNT	LTS	+0.00	UTE	LTE				48		510UL	04/03 RFO
57	104	0.38	94	3		NQI	001	+13.63	UTE	LTE				48		510UL	04/03 RFO
57	107	1.24	52	P	1	NQI	011	-0.82	UTE	LTE				48		510UL	04/03 RFO
57	112	0.36	73	3		NQI	003	+2.67	UTE	LTE				48		510UL	04/03 RFO
57	124	0.93	95	3		NQI	009	+15.53	UTE	LTE				65		510UL	04/03 RFO
		1.63	112	P	1	NQI	009	-0.53	UTE	LTE				65		510UL	04/03 RFO
		0.36	68	P	1	NQI	015	+0.28	UTE	LTE				65		510UL	04/03 RFO
57	125	0.44	98	3		NQI	011	+35.43	UTE	LTE				64		510UL	04/03 RFO
		0.79	118	3		NQI	009	+28.61	UTE	LTE				64		510UL	04/03 RFO
		0.65	118	3		NQI	009	+27.87	UTE	LTE				64		510UL	04/03 RFO
57	127	0.57	116	3		NQI	010	+27.11	UTE	LTE				64		510UL	04/03 RFO
57	128	0.95	95	3		NQI	011	+6.34	UTE	LTE				65		510UL	04/03 RFO
		0.46	108	3		NQI	010	+24.87	UTE	LTE				65		510UL	04/03 RFO
58	1					OBS	011	+31.99	011	LTE				36		510UL	04/03 RFO
						ROB			011	LTE				36		510UL	04/03 RFO
		0.61	110	3		NQI	014	+7.40	014	LTE				71		510UL	04/03 RFO
		0.46	109	3		NQI	014	+6.52	014	LTE				71		510UL	04/03 RFO
		0.46	132	3		NQI	012	+7.33	014	LTE				71		510UL	04/03 RFO
58	2	1.06	106	P	1	NQI	014	-0.80	014	LTE				35		510UL	04/03 RFO
		1.44	93	P	1	NQI	013	-0.80	014	LTE				35		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.88	55	P	1	NQI	010		+0.45	014	LTE			35		510UL	04/03 RFO
		0.46	109	P	1	NQI	012		-0.60	014	LTE			35		510UL	04/03 RFO
58	4	0.99	72	P	1	NQI	011		-0.69	UTE	LTE			23		510UL	04/03 RFO
58	5	1.25	118	P	1	NQI	UTS		+0.11	UTE	LTE			24		510UL	04/03 RFO
58	12	1.03	107	P	1	NQI	015		+2.21	UTE	LTE			23		510UL	04/03 RFO
58	20	0.34	99	3		NQI	010		+28.83	UTE	LTE			24		510UL	04/03 RFO
58	53	8.19	180	P	1	DNT	LTS		+0.07	LTE	UTE			3		510UL	04/03 RFO
58	54	9.05	178	P	1	DNT	LTS		+0.00	LTE	UTE			4		510UL	04/03 RFO
58	55	6.23	172	P	1	DNT	LTS		+0.20	LTE	UTE			3		510UL	04/03 RFO
58	56	9.56	175	P	1	DNT	LTS		+0.00	LTE	UTE			4		510UL	04/03 RFO
		0.56	133	3		NQI	012		+21.08	LTE	UTE			4		510UL	04/03 RFO
		0.45	86	3		NQI	012		+30.87	LTE	UTE			4		510UL	04/03 RFO
58	57	14.12	176	P	1	DNT	LTS		+0.17	LTE	UTE			3		510UL	04/03 RFO
58	58	23.22	180	P	1	DNT	LTS		+0.00	LTE	UTE			4		510UL	04/03 RFO
58	59	13.45	174	P	1	DNT	LTS		+0.20	LTE	UTE			3		510UL	04/03 RFO
58	60	19.58	176	P	1	DNT	LTS		+0.10	LTE	UTE			4		510UL	04/03 RFO
58	61	23.32	180	P	1	DNT	LTS		+0.11	LTE	UTE			3		510UL	04/03 RFO
58	62	29.73	181	P	1	DNT	LTS		+0.09	LTE	UTE			5		510UL	04/03 RFO
		8.67	184	3		DNT	LTS		+0.60	LTE	UTE			5		510UL	04/03 RFO
58	63	34.50	182	P	1	DNT	LTS		+0.27	UTE	LTE			161		510UL	04/03 RFO
		16.16	180	3		DNT	LTS		+1.11	UTE	LTE			161		510UL	04/03 RFO
58	64	6.76	181	3		DNT	LTS		+0.64	UTE	LTE			161		510UL	04/03 RFO
		28.78	183	P	1	DNT	LTS		+0.07	UTE	LTE			161		510UL	04/03 RFO
58	65	21.27	186	P	1	DNT	LTS		+0.14	UTE	LTE			103		510UL	04/03 RFO
		9.76	183	3		DNT	LTS		+0.76	UTE	LTE			103		510UL	04/03 RFO
58	66	11.45	165	P	1	DNT	LTS		+0.14	UTE	LTE			104		510UL	04/03 RFO
		9.98	182	3		DNT	LTS		+0.65	UTE	LTE			104		510UL	04/03 RFO
58	68	12.12	187	P	1	DNT	LTS		+0.18	UTE	LTE			103		510UL	04/03 RFO
58	69	11.05	160	P	1	DNT	LTS		+0.05	UTE	LTE			104		510UL	04/03 RFO
58	70	9.28	181	P	1	DNT	LTS		+0.07	UTE	LTE			103		510UL	04/03 RFO
58	71	7.09	157	P	1	DNT	LTS		+0.00	UTE	LTE			104		510UL	04/03 RFO
		7.90	181	3		DNT	LTS		+0.81	UTE	LTE			104		510UL	04/03 RFO
58	76	0.33	118	3		NQI	015		+38.95	UTE	LTE			103		510UL	04/03 RFO
		0.37	98	3		NQI	015		+42.26	UTE	LTE			103		510UL	04/03 RFO
		0.39	84	3		NQI	015		+41.94	UTE	LTE			103		510UL	04/03 RFO
		7.30	194	P	1	DNT	LTS		+0.07	UTE	LTE			103		510UL	04/03 RFO
58	77	12.09	159	P	1	DNT	LTS		+0.05	UTE	LTE			104		510UL	04/03 RFO
58	78	0.41	126	3		NQI	006		+27.24	UTE	LTE			103		510UL	04/03 RFO
		21.01	184	P	1	DNT	LTS		+0.11	UTE	LTE			103		510UL	04/03 RFO
58	79	26.31	170	P	1	DNT	LTS		+0.14	UTE	LTE			104		510UL	04/03 RFO
58	80	24.76	187	P	1	DNT	LTS		+0.16	UTE	LTE			103		510UL	04/03 RFO
58	81	18.78	169	P	1	DNT	LTS		+0.15	UTE	LTE			104		510UL	04/03 RFO
58	82	22.24	185	P	1	DNT	LTS		+0.14	UTE	LTE			103		510UL	04/03 RFO
58	83	27.30	171	P	1	DNT	LTS		+0.10	UTE	LTE			104		510UL	04/03 RFO
58	84	24.04	185	P	1	DNT	LTS		+0.11	UTE	LTE			103		510UL	04/03 RFO
58	85	33.81	172	P	1	DNT	LTS		+0.07	UTE	LTE			104		510UL	04/03 RFO
58	86	14.22	185	P	1	DNT	LTS		+0.28	UTE	LTE			103		510UL	04/03 RFO
58	87	14.52	165	P	1	DNT	LTS		+0.10	UTE	LTE			104		510UL	04/03 RFO
58	88	14.68	179	P	1	DNT	LTS		+0.09	UTE	LTE			103		510UL	04/03 RFO
58	89	23.20	171	P	1	DNT	LTS		+0.10	UTE	LTE			104		510UL	04/03 RFO
		1.23	105	3		TWD 20	015		+32.35	UTE	LTE			104		510UL	04/03 RFO
		0.56	116	3		NQI	003		+12.50	UTE	LTE			104		510UL	04/03 RFO
58	91	21.07	179	P	1	DNT	LTS		+0.05	UTE	LTE			103		510UL	04/03 RFO
58	92	14.52	183	P	1	DNT	LTS		+0.00	UTE	LTE			48		510UL	04/03 RFO
58	93	13.63	186	P	1	DNT	LTS		+0.00	UTE	LTE			48		510UL	04/03 RFO
58	109	1.13	118	3		NQI	015		+9.90	UTE	LTE			48		510UL	04/03 RFO
58	114	0.28	95	3		NQI	009		+18.04	UTE	LTE			48		510UL	04/03 RFO
58	122	2.40	81	P	1	NQI	009		-0.65	UTE	LTE			47		510UL	04/03 RFO
		1.01	89	P	1	NQI	009		+0.53	UTE	LTE			47		510UL	04/03 RFO
58	125	1.19	102	P	1	NQI	009		-0.53	UTE	LTE			65		510UL	04/03 RFO
58	126	0.79	108	3		NQI	009		+30.50	UTE	LTE			64		510UL	04/03 RFO
		0.66	63	P	1	NQI	006		-0.57	UTE	LTE			64		510UL	04/03 RFO
		1.97	42	P	1	NQI	011		-0.81	UTE	LTE			64		510UL	04/03 RFO
58	129	0.88	74	P	1	NQI	015		-0.35	UTE	LTE			65		510UL	04/03 RFO
		0.71	125	3		NQI	011		+12.44	UTE	LTE			65		510UL	04/03 RFO
		3.13	126	3		NQI	014		+33.06	UTE	LTE			65		510UL	04/03 RFO
59	4	1.86	138	P	1	NQI	UTS		+0.07	UTE	LTE			24		510UL	04/03 RFO
59	5	1.08	142	3		NQI	009		+16.27	UTE	LTE			23		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
59	9	0.62	66	3	NQI		012	+18.19	UTE	LTE				23		510UL	04/03 RFO
59	10	0.58	74	P 1	NQI		004	-0.77	UTE	LTE				22		510UL	04/03 RFO
59	11	7.25	189	3	DNT		007	+15.44	UTE	LTE				23		510UL	04/03 RFO
59	20	0.47	101	P 1	NQI		008	-0.57	UTE	LTE				19		510UL	04/03 RFO
59	31	12.00	94	6	ADI		LTS	+21.93	UTE	LTE	TO+29.90			132		510UL	04/03 RFO
59	51	6.61	179	P 1	DNT		LTS	+0.07	LTE	UTE				3		510UL	04/03 RFO
		0.31	99	3	NQI		011	+32.44	LTE	UTE				3		510UL	04/03 RFO
59	52	8.20	178	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
59	53	9.74	175	P 1	DNT		LTS	+0.00	LTE	UTE				3		510UL	04/03 RFO
59	54	17.16	179	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
59	55	0.20	112	3	NQI		015	+18.86	LTE	UTE				3		510UL	04/03 RFO
		0.15	93	3	NQI		015	+31.82	LTE	UTE				3		510UL	04/03 RFO
		22.99	177	P 1	DNT		LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
59	56	23.73	179	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
59	57	12.87	177	P 1	DNT		LTS	+0.24	LTE	UTE				3		510UL	04/03 RFO
59	59	19.85	176	P 1	DNT		LTS	+0.11	LTE	UTE				3		510UL	04/03 RFO
		9.33	3	P 1	DNT		LTS	+0.50	LTE	UTE				3		510UL	04/03 RFO
59	60	48.51	180	P 1	DNT		LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
		9.89	181	3	DNT		LTS	+0.60	LTE	UTE				5		510UL	04/03 RFO
59	61	24.29	183	P 1	DNT		LTS	+0.16	UTE	LTE				161		510UL	04/03 RFO
		13.96	178	3	DNT		LTS	+0.63	UTE	LTE				161		510UL	04/03 RFO
59	62	15.78	184	P 1	DNT		LTS	+0.02	UTE	LTE				103		510UL	04/03 RFO
		9.71	190	P 1	DNT		LTS	+0.57	UTE	LTE				103		510UL	04/03 RFO
59	63	12.59	168	P 1	DNT		LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
		10.41	180	3	DNT		LTS	+0.69	UTE	LTE				104		510UL	04/03 RFO
59	64	12.48	189	P 1	DNT		LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
		12.79	182	3	DNT		LTS	+0.71	UTE	LTE				103		510UL	04/03 RFO
59	67	7.81	174	3	DNT		LTS	+0.67	UTE	LTE				104		510UL	04/03 RFO
59	68	43.72	190	3	DNT		LTE	+1.81	UTE	LTE				103		510UL	04/03 RFO
		13.35	182	3	DNT		LTE	+2.85	UTE	LTE				103		510UL	04/03 RFO
59	71	0.40	72	3	NQI		007	+28.18	UTE	LTE				104		510UL	04/03 RFO
59	76	6.66	163	P 1	DNT		LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
59	77	14.48	187	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
		15.02	187	P 1	DNT		LTS	+0.21	UTE	LTE				103		510UL	04/03 RFO
59	78	26.28	172	P 1	DNT		LTS	+0.17	UTE	LTE				104		510UL	04/03 RFO
59	79	17.85	185	P 1	DNT		LTS	+0.07	UTE	LTE				103		510UL	04/03 RFO
59	80	19.58	170	P 1	DNT		LTS	+0.17	UTE	LTE				104		510UL	04/03 RFO
59	82	24.66	187	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
59	83	16.15	164	P 1	DNT		LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
59	84	7.51	185	P 1	DNT		LTS	+0.21	UTE	LTE				103		510UL	04/03 RFO
59	85	16.39	169	P 1	DNT		LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
59	86	27.41	185	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
59	87	19.47	167	P 1	DNT		LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
59	88	23.29	180	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
59	89	12.25	182	P 1	DNT		LTS	+0.14	UTE	LTE				46		510UL	04/03 RFO
59	90	10.92	181	P 1	DNT		LTS	+0.05	UTE	LTE				47		510UL	04/03 RFO
59	93	0.54	94	3	NQI		006	+21.79	UTE	LTE				46		510UL	04/03 RFO
59	114	0.32	48	3	NQI		009	+29.05	UTE	LTE				47		510UL	04/03 RFO
59	117	0.93	79	P 1	NQI		009	-0.77	UTE	LTE				46		510UL	04/03 RFO
59	120	1.13	132	P 1	NQI		009	-0.74	UTE	LTE				65		510UL	04/03 RFO
59	121	0.76	118	3	NQI		009	+18.00	UTE	LTE	TO+29.70			64		510UL	04/03 RFO
		1.24	54	P 1	NQI		010	+0.39	UTE	LTE				64		510UL	04/03 RFO
59	124	0.32	81	P 1	NQI		UTS	+0.60	UTE	LTE				65		510UL	04/03 RFO
		0.60	112	3	NQI		010	+17.02	UTE	LTE				65		510UL	04/03 RFO
		0.93	127	3	NQI		010	+16.02	UTE	LTE				65		510UL	04/03 RFO
		0.66	124	P 1	NQI		011	-0.73	UTE	LTE				65		510UL	04/03 RFO
		0.67	95	P 1	NQI		011	+0.50	UTE	LTE				65		510UL	04/03 RFO
60	1				OBS		011	+33.19	011	LTE				36		510UL	04/03 RFO
					ROB				011	LTE				36		510UL	04/03 RFO
		1.47	118	P 1	NQI		012	+0.67	014	LTE				71		510UL	04/03 RFO
60	3	1.02	86	P 1	NQI		011	-0.87	014	LTE				39		510UL	04/03 RFO
		0.63	133	P 1	NQI		013	-0.82	014	LTE				39		510UL	04/03 RFO
60	17	0.44	125	3	NQI		013	+30.44	UTE	LTE				19		510UL	04/03 RFO
		0.26	86	P 1	NQI		014	+0.00	UTE	LTE				19		510UL	04/03 RFO
60	35	0.35	94	3	NQI		012	+32.60	UTE	LTE				132		510UL	04/03 RFO
60	43	8.50	196	P 1	DNT		LTS	+0.00	UTE	LTE				132		510UL	04/03 RFO
60	55	7.92	175	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
60	56	9.28	174	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
60	57	32.26	180	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
60	58	25.84	177	P	1	DNT	LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
60	59	23.53	178	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
60	60	17.73	173	P	1	DNT	LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
60	61	27.20	180	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
60	62	20.44	179	P	1	DNT	LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
60	63	10.04	179	3		DNT	LTS	+0.65	UTE	LTE				161		510UL	04/03 RFO
		29.49	179	P	1	DNT	LTS	+0.11	UTE	LTE				161		510UL	04/03 RFO
60	64	20.13	185	P	1	DNT	LTS	+0.00	UTE	LTE				103		510UL	04/03 RFO
60	65	17.16	169	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
		13.61	176	3		DNT	LTS	+0.55	UTE	LTE				104		510UL	04/03 RFO
60	66	8.02	188	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
60	67	6.63	173	P	1	DNT	LTS	+0.22	UTE	LTE				104		510UL	04/03 RFO
60	68	8.78	195	3		DNT	UTS	+11.61	UTE	LTE				103		510UL	04/03 RFO
		6.41	185	3		DNT	LTS	+0.67	UTE	LTE				103		510UL	04/03 RFO
60	76	0.69	90	3		NQI	010	+5.11	UTE	LTE				103		510UL	04/03 RFO
60	80	0.41	92	3		NQI	012	+10.74	UTE	LTE				103		510UL	04/03 RFO
		0.89	22	P	1	NQI	005	+0.73	UTE	LTE				103		510UL	04/03 RFO
		9.35	186	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
60	81	14.69	173	P	1	DNT	LTS	+0.22	UTE	LTE				104		510UL	04/03 RFO
60	82	9.88	188	P	1	DNT	LTS	+0.18	UTE	LTE				103		510UL	04/03 RFO
60	83	21.63	174	P	1	DNT	LTS	+0.15	UTE	LTE				104		510UL	04/03 RFO
60	84	31.45	187	P	1	DNT	LTS	+0.16	UTE	LTE				103		510UL	04/03 RFO
60	85	0.32	78	P	1	NQI	009	-0.14	UTE	LTE				104		510UL	04/03 RFO
		19.90	169	P	1	DNT	LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
		0.69	107	3		NQI	007	+33.37	UTE	LTE				104		510UL	04/03 RFO
60	86	19.61	182	P	1	DNT	LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
60	87	14.98	167	P	1	DNT	LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
60	88	0.25	86	3		NQI	011	+19.47	UTE	LTE				103		510UL	04/03 RFO
		12.25	182	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
60	89	9.87	165	P	1	DNT	LTS	+0.05	UTE	LTE				104		510UL	04/03 RFO
60	90	31.34	186	P	1	DNT	LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
60	91	28.29	174	P	1	DNT	LTS	+0.14	UTE	LTE				104		510UL	04/03 RFO
60	92	24.30	183	P	1	DNT	LTS	+0.09	UTE	LTE				46		510UL	04/03 RFO
60	93	20.82	173	P	1	DNT	LTS	+0.05	UTE	LTE				47		510UL	04/03 RFO
60	94	16.75	184	P	1	DNT	LTS	+0.02	UTE	LTE				46		510UL	04/03 RFO
60	117	8.55	187	3		DNT	002	+35.76	UTE	LTE				47		510UL	04/03 RFO
60	122	8.32	183	3		DNT	004	+34.19	UTE	LTE				46		510UL	04/03 RFO
60	125	0.64	126	P	1	NQI	009	-0.77	UTE	LTE				64		510UL	04/03 RFO
		0.82	109	3		NQI	009	+13.49	UTE	LTE				64		510UL	04/03 RFO
60	126	1.57	60	P	1	NQI	009	-0.57	UTE	LTE				65		510UL	04/03 RFO
61	3	0.64	96	P	1	NQI	011	-0.67	014	LTE				39		510UL	04/03 RFO
		1.65	99	P	1	NQI	013	-0.80	014	LTE				39		510UL	04/03 RFO
61	4	0.62	91	P	1	NQI	010	+0.50	014	LTE				39		510UL	04/03 RFO
		0.34	83	3		NQI	012	+1.32	014	LTE				39		510UL	04/03 RFO
61	5	0.58	69	P	1	NQI	LTS	-0.49	UTE	LTE				19		510UL	04/03 RFO
61	19	0.24	94	3		NQI	013	+14.52	UTE	LTE				19		510UL	04/03 RFO
		0.31	111	3		NQI	013	+13.15	UTE	LTE				19		510UL	04/03 RFO
61	30	0.66	75	3		NQI	004	+9.65	UTE	LTE				136		510UL	04/03 RFO
61	32	0.70	84	3		NQI	009	+16.42	UTE	LTE				136		510UL	04/03 RFO
61	33	0.40	81	3		NQI	015	+20.73	UTE	LTE				135		510UL	04/03 RFO
		0.56	115	3		NQI	015	+17.26	UTE	LTE				135		510UL	04/03 RFO
		0.27	129	3		NQI	015	+16.00	UTE	LTE				135		510UL	04/03 RFO
		0.41	118	3		NQI	013	+2.01	UTE	LTE				135		510UL	04/03 RFO
61	51	1.60	152	3		NQI	011	+27.98	LTE	UTE				3		510UL	04/03 RFO
61	54	9.60	173	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
61	55	16.82	176	P	1	DNT	LTS	+0.09	LTE	UTE				3		510UL	04/03 RFO
61	56	19.45	176	P	1	DNT	LTS	+0.00	LTE	UTE				2		510UL	04/03 RFO
61	57	24.83	179	P	1	DNT	LTS	+0.14	LTE	UTE				4		510UL	04/03 RFO
		0.61	82	3		NQI	002	+2.22	LTE	UTE				4		510UL	04/03 RFO
61	58	18.68	177	P	1	DNT	LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
61	59	47.91	182	P	1	DNT	LTS	+0.14	LTE	UTE				4		510UL	04/03 RFO
61	60	29.57	179	P	1	DNT	LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
61	61	36.09	181	P	1	DNT	LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
61	62	24.64	182	P	1	DNT	LTS	+0.16	UTE	LTE				161		510UL	04/03 RFO
61	63	21.56	184	P	1	DNT	LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
61	64	13.78	167	P	1	DNT	LTS	+0.14	UTE	LTE				104		510UL	04/03 RFO
		7.65	181	3		DNT	LTS	+0.60	UTE	LTE				104		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	*TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
61	65	1.46	157	3	NQI		014	+13.76	UTE	LTE				104		510UL	04/03 RFO
		0.27	128	3	NQI		015	+15.13	UTE	LTE				103		510UL	04/03 RFO
		0.28	84	3	NQI		014	+27.75	UTE	LTE				103		510UL	04/03 RFO
		0.50	108	3	NQI		014	+21.99	UTE	LTE				103		510UL	04/03 RFO
		0.41	91	3	NQI		014	+21.10	UTE	LTE				103		510UL	04/03 RFO
		6.78	181	3	DNT		LTS	+0.66	UTE	LTE				103		510UL	04/03 RFO
61	66	11.06	181	3	DNT		LTS	+0.60	UTE	LTE				104		510UL	04/03 RFO
61	67	9.15	197	3	DNT		UTS	+14.54	UTE	LTE				103		510UL	04/03 RFO
		13.18	185	3	DNT		LTS	+0.62	UTE	LTE				103		510UL	04/03 RFO
61	68	6.36	183	3	DNT		LTS	+0.74	UTE	LTE				104		510UL	04/03 RFO
61	70	6.47	176	P 1	DNT		LTS	+0.26	UTE	LTE				104		510UL	04/03 RFO
61	71	0.80	50	P 1	NQI		009	+0.00	UTE	LTE				103		510UL	04/03 RFO
		8.15	191	P 1	DNT		LTS	+0.32	UTE	LTE				103		510UL	04/03 RFO
61	72	2.09	156	3	NQI		015	+37.70	UTE	LTE				104		510UL	04/03 RFO
		10.90	181	3	DNT		LTS	+0.45	UTE	LTE				104		510UL	04/03 RFO
61	73	0.42	85	P 1	NQI		UTS	+14.71	UTE	LTE				103		510UL	04/03 RFO
61	75	0.34	97	3	NQI		006	+28.27	UTE	LTE				103		510UL	04/03 RFO
61	81	13.76	188	P 1	DNT		LTS	+0.14	UTE	LTE				103		510UL	04/03 RFO
61	82	13.23	164	P 1	DNT		LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
61	83	27.72	187	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
61	84	29.04	171	P 1	DNT		LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
61	85	28.55	184	P 1	DNT		LTS	+0.12	UTE	LTE				103		510UL	04/03 RFO
61	86	10.73	188	P 1	DNT		LTS	+0.18	UTE	LTE				103		510UL	04/03 RFO
		1.66	39	P 1	NQI		015	+0.62	UTE	LTE				103		510UL	04/03 RFO
61	87	9.31	161	P 1	DNT		LTS	+0.12	UTE	LTE				104		510UL	04/03 RFO
61	88	10.39	176	P 1	DNT		LTS	+0.02	UTE	LTE				103		510UL	04/03 RFO
61	89	17.41	166	P 1	DNT		LTS	+0.10	UTE	LTE				104		510UL	04/03 RFO
61	90	18.97	181	P 1	DNT		LTS	+0.05	UTE	LTE				46		510UL	04/03 RFO
61	91	21.27	176	P 1	DNT		LTS	+0.05	UTE	LTE				47		510UL	04/03 RFO
61	92	12.10	185	P 1	DNT		LTS	+0.05	UTE	LTE				46		510UL	04/03 RFO
61	98	0.64	90	3	NQI		015	+9.68	UTE	LTE				46		510UL	04/03 RFO
		0.34	109	3	NQI		014	+14.46	UTE	LTE				46		510UL	04/03 RFO
61	102	0.41	95	3	NQI		006	+28.15	UTE	LTE				46		510UL	04/03 RFO
61	116	0.39	114	3	NQI		015	+14.02	UTE	LTE				47		510UL	04/03 RFO
61	118	0.94	72	P 1	NQI		009	-0.84	UTE	LTE				47		510UL	04/03 RFO
61	121	0.85	118	3	NQI		014	+1.17	UTE	LTE				64		510UL	04/03 RFO
62	8	0.70	83	P 1	NQI		010	+0.48	UTE	LTE				18		510UL	04/03 RFO
62	15	0.44	98	P 1	NQI		UTS	+9.76	UTE	LTE				19		510UL	04/03 RFO
62	17	1.46	29	6	ADI		015	+38.72	UTE	LTE				19		510UL	04/03 RFO
62	18	0.35	109	3	NQI		015	+37.68	UTE	LTE				18		510UL	04/03 RFO
62	20	0.66	77	3	NQI		015	+37.26	UTE	LTE				18		510UL	04/03 RFO
		0.98	148	3	NQI		015	+35.67	UTE	LTE				18		510UL	04/03 RFO
62	23	0.54	122	3	NQI		015	+35.12	UTE	LTE				18		510UL	04/03 RFO
		0.40	70	P 1	NQI		004	-0.68	UTE	LTE				18		510UL	04/03 RFO
62	35	0.73	106	3	NQI		012	-1.37	UTE	LTE				136		510UL	04/03 RFO
62	44	0.32	87	3	NQI		011	+27.15	UTE	LTE				135		510UL	04/03 RFO
62	52	0.20	109	3	NQI		014	+15.16	LTE	UTE				4		510UL	04/03 RFO
		0.34	118	3	NQI		014	+31.46	LTE	UTE				4		510UL	04/03 RFO
		0.49	99	3	NQI		015	+19.90	LTE	UTE				4		510UL	04/03 RFO
		0.34	97	P 1	NQI		011	-0.85	LTE	UTE				4		510UL	04/03 RFO
62	56	10.46	176	P 1	DNT		LTS	-0.04	LTE	UTE				4		510UL	04/03 RFO
62	57	42.48	179	P 1	DNT		LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
62	58	22.75	178	P 1	DNT		LTS	+0.08	LTE	UTE				4		510UL	04/03 RFO
62	59	23.72	177	P 1	DNT		LTS	+0.11	LTE	UTE				3		510UL	04/03 RFO
62	60	24.80	178	P 1	DNT		LTS	+0.12	LTE	UTE				4		510UL	04/03 RFO
62	61	45.03	180	P 1	DNT		LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
62	62	29.76	179	P 1	DNT		LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
62	63	27.98	184	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
62	64	28.28	186	P 1	DNT		LTS	+0.11	UTE	LTE				103		510UL	04/03 RFO
62	65	26.29	171	P 1	DNT		LTS	+0.07	UTE	LTE				104		510UL	04/03 RFO
62	66	9.50	186	P 1	DNT		LTS	+0.09	UTE	LTE				103		510UL	04/03 RFO
62	67	9.78	166	P 1	DNT		LTS	+0.00	UTE	LTE				104		510UL	04/03 RFO
		9.37	185	3	DNT		LTS	+0.55	UTE	LTE				104		510UL	04/03 RFO
62	68	8.66	179	3	DNT		LTS	+0.69	UTE	LTE				103		510UL	04/03 RFO
62	71	6.11	181	P 1	DNT		LTS	+0.31	UTE	LTE				104		510UL	04/03 RFO
62	72	11.08	189	P 1	DNT		LTS	+0.25	UTE	LTE				103		510UL	04/03 RFO
		6.69	181	3	DNT		LTS	+0.85	UTE	LTE				103		510UL	04/03 RFO
62	75	0.54	136	3	NQI		006	+26.56	UTE	LTE				104		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
62	84	0.74	78	P	1	NQI	UTS	+19.00	UTE	LTE				103	510UL	04/03 RFO
62	85	14.78	165	P	1	DNT	LTS	+0.12	UTE	LTE				104	510UL	04/03 RFO
62	86	32.89	185	P	1	DNT	LTS	+0.12	UTE	LTE				103	510UL	04/03 RFO
62	87	40.38	172	P	1	DNT	LTS	+0.10	UTE	LTE				104	510UL	04/03 RFO
62	88	21.21	184	P	1	DNT	LTS	+0.12	UTE	LTE				103	510UL	04/03 RFO
62	89	22.06	170	P	1	DNT	LTS	+0.10	UTE	LTE				104	510UL	04/03 RFO
		0.78	131	3		NQI	006	+18.90	UTE	LTE				104	510UL	04/03 RFO
62	90	14.28	180	P	1	DNT	LTS	+0.07	UTE	LTE				103	510UL	04/03 RFO
62	91	19.22	166	P	1	DNT	LTS	+0.00	UTE	LTE				104	510UL	04/03 RFO
62	92	16.63	181	P	1	DNT	LTS	+0.11	UTE	LTE				46	510UL	04/03 RFO
62	93	22.00	183	P	1	DNT	LTS	+0.14	UTE	LTE				46	510UL	04/03 RFO
62	94	13.15	178	P	1	DNT	LTS	+0.07	UTE	LTE				47	510UL	04/03 RFO
62	95	22.01	186	P	1	DNT	LTS	+0.02	UTE	LTE				46	510UL	04/03 RFO
62	115	0.58	86	3		NQI	003	+32.61	UTE	LTE				46	510UL	04/03 RFO
62	125	0.63	123	3		NQI	009	+27.28	UTE	LTE				64	510UL	04/03 RFO
62	126	1.56	50	P	1	NQI	009	-0.50	UTE	LTE				65	510UL	04/03 RFO
63	1	0.41	88	P	1	NQI	011	+0.00	014	LTE				39	510UL	04/03 RFO
63	2	0.74	71	P	1	NQI	012	+0.69	014	LTE				39	510UL	04/03 RFO
		0.64	129	P	1	NQI	014	-0.96	014	LTE				39	510UL	04/03 RFO
63	6	1.81	46	P	1	NQI	012	+0.75	UTE	LTE				18	510UL	04/03 RFO
63	16	0.40	54	3		NQI	015	+37.71	UTE	LTE				18	510UL	04/03 RFO
63	17	0.70	156	3		NQI	015	+38.23	UTE	LTE				19	510UL	04/03 RFO
63	18	0.46	73	3		NQI	015	+37.74	UTE	LTE				18	510UL	04/03 RFO
63	21	0.53	102	3		NQI	003	+17.38	UTE	LTE				19	510UL	04/03 RFO
		0.71	78	3		NQI	002	+13.02	UTE	LTE				19	510UL	04/03 RFO
63	22	1.11	136	3		NQI	015	+35.79	UTE	LTE				18	510UL	04/03 RFO
63	25	0.45	97	3		NQI	015	+34.87	UTE	LTE				19	510UL	04/03 RFO
63	34	15.40	83	6		ADI	LTS	+21.92	UTE	LTE				135	510UL	04/03 RFO
63	54	0.50	95	3		NQI	011	+21.94	LTE	UTE				3	510UL	04/03 RFO
		0.45	90	3		NQI	012	+14.44	LTE	UTE				3	510UL	04/03 RFO
63	56	8.26	178	P	1	DNT	LTS	+0.07	LTE	UTE				3	510UL	04/03 RFO
63	57	34.58	180	P	1	DNT	LTS	+0.08	LTE	UTE				4	510UL	04/03 RFO
63	58	35.37	179	P	1	DNT	LTS	+0.24	LTE	UTE				3	510UL	04/03 RFO
63	59	29.13	180	P	1	DNT	LTS	+0.10	LTE	UTE				4	510UL	04/03 RFO
63	60	33.26	179	P	1	DNT	LTS	+0.11	LTE	UTE				3	510UL	04/03 RFO
63	61	0.17	93	P	1	NQI	014	+0.15	LTE	UTE				4	510UL	04/03 RFO
		46.11	183	P	1	DNT	LTS	+0.16	LTE	UTE				4	510UL	04/03 RFO
63	62	34.15	180	P	1	DNT	LTS	+0.13	LTE	UTE				3	510UL	04/03 RFO
63	63	28.28	180	P	1	DNT	LTS	+0.13	LTE	UTE				5	510UL	04/03 RFO
63	64	32.35	185	P	1	DNT	LTS	+0.09	UTE	LTE				103	510UL	04/03 RFO
63	65	31.56	173	P	1	DNT	LTS	+0.14	UTE	LTE				104	510UL	04/03 RFO
63	66	24.68	178	P	1	DNT	LTS	+0.09	LTS	UTE				162	510UL	04/03 RFO
						OBS	LTS	-23.39	LTS	UTE				162	510UL	04/03 RFO
		26.54	180	P	1	DNT	LTS	+0.13	LTE	UTE				164	500UL	04/03 RFO
						ROB			LTE	LTE				104	510UL	04/03 RFO
63	67	20.39	186	P	1	DNT	LTS	+0.05	UTE	LTE				103	510UL	04/03 RFO
63	68	9.60	165	P	1	DNT	LTS	+0.05	UTE	LTE				104	510UL	04/03 RFO
63	69	7.41	188	P	1	DNT	LTS	+0.14	UTE	LTE				103	510UL	04/03 RFO
63	72	6.21	171	P	1	DNT	LTS	+0.29	UTE	LTE				104	510UL	04/03 RFO
63	73	8.71	192	P	1	DNT	LTS	+0.48	UTE	LTE				103	510UL	04/03 RFO
63	74	14.74	179	3		DNT	LTS	+0.50	UTE	LTE				104	510UL	04/03 RFO
63	86	11.63	163	P	1	DNT	LTS	+0.17	UTE	LTE				104	510UL	04/03 RFO
63	87	28.34	187	P	1	DNT	LTS	+0.07	UTE	LTE				103	510UL	04/03 RFO
63	88	46.08	174	P	1	DNT	LTS	+0.10	UTE	LTE				104	510UL	04/03 RFO
63	89	34.61	186	P	1	DNT	LTS	+0.05	UTE	LTE				103	510UL	04/03 RFO
		0.44	91	3		NQI	012	+10.44	UTE	LTE				103	510UL	04/03 RFO
63	90	17.14	167	P	1	DNT	LTS	+0.07	UTE	LTE				104	510UL	04/03 RFO
63	92	12.46	159	P	1	DNT	LTS	+0.02	UTE	LTE				104	510UL	04/03 RFO
63	93	24.07	182	P	1	DNT	LTS	+0.18	UTE	LTE				46	510UL	04/03 RFO
63	94	34.32	178	P	1	DNT	LTS	+0.07	UTE	LTE				47	510UL	04/03 RFO
63	95	14.66	185	P	1	DNT	LTS	+0.07	UTE	LTE				46	510UL	04/03 RFO
63	96	11.98	186	P	1	DNT	LTS	-0.05	UTE	LTE				47	510UL	04/03 RFO
63	122	1.04	128	3		NQI	012	+10.58	UTE	LTE				47	510UL	04/03 RFO
64	2	1.29	98	P	1	NQI	011	+0.52	014	LTE				39	510UL	04/03 RFO
		0.55	82	P	1	NQI	014	+0.99	014	LTE				39	510UL	04/03 RFO
64	3	0.71	136	P	1	NQI	011	-0.78	014	LTE				39	510UL	04/03 RFO
64	10	0.30	90	3		NQI	LTS	+8.91	UTE	LTE				18	510UL	04/03 RFO
64	12	0.59	113	3		NQI	UTS	-0.43	UTE	LTE				18	510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
64	16	0.69	98	3	NQI		015	+36.57	UTE	LTE				18	510UL	04/03 RFO
64	18	0.52	110	3	NQI		015	+36.27	UTE	LTE				18	510UL	04/03 RFO
64	20	0.49	91	3	NQI		015	+36.40	UTE	LTE				18	510UL	04/03 RFO
64	35	0.45	94	3	NQI		015	+22.50	UTE	LTE				135	510UL	04/03 RFO
64	42	0.46	81	3	NQI		010	+2.44	UTE	LTE				136	510UL	04/03 RFO
64	43	0.34	102	3	NQI		015	+24.34	UTE	LTE				135	510UL	04/03 RFO
		0.39	118	3	NQI		005	+14.94	UTE	LTE				135	510UL	04/03 RFO
64	45	0.37	88	3	NQI		010	+31.71	UTE	LTE				135	510UL	04/03 RFO
64	48	0.75	87	3	NQI		008	+28.54	UTE	LTE				136	510UL	04/03 RFO
		1.21	67	P 1	NQI		007	-0.64	UTE	LTE				136	510UL	04/03 RFO
64	54	0.31	90	P 1	NQI		003	-0.44	LTE	UTE				3	510UL	04/03 RFO
64	57	11.50	181	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
64	58	38.08	181	P 1	DNT		LTS	+0.20	LTE	UTE				3	510UL	04/03 RFO
64	59	33.70	181	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
64	60	28.64	179	P 1	DNT		LTS	+0.20	LTE	UTE				3	510UL	04/03 RFO
64	61	31.85	181	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
		0.36	79	3	NQI		010	+27.67	LTE	UTE				4	510UL	04/03 RFO
64	62	38.91	182	P 1	DNT		LTS	+0.24	LTE	UTE				3	510UL	04/03 RFO
64	63	29.37	178	P 1	DNT		LTS	+0.18	LTE	UTE				5	510UL	04/03 RFO
64	64	34.41	182	P 1	DNT		LTS	+0.18	UTE	LTE				161	510UL	04/03 RFO
64	65	43.41	182	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO
64	66	56.27	182	P 1	DNT		LTS	+0.20	UTE	LTE				145	510UL	04/03 RFO
64	67	35.71	181	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
64	68	35.73	181	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
64	69	33.06	180	P 1	DNT		LTS	+0.20	UTE	LTE				145	510UL	04/03 RFO
64	70	11.15	179	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO
64	71	9.63	178	P 1	DNT		LTS	+0.13	UTE	LTE				145	510UL	04/03 RFO
64	72	15.68	179	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
64	73	0.41	111	3	NQI		015	+33.12	UTE	LTE				145	510UL	04/03 RFO
		0.46	101	P 1	NQI		011	+0.00	UTE	LTE				145	510UL	04/03 RFO
		0.51	108	P 1	NQI		008	+0.09	UTE	LTE				145	510UL	04/03 RFO
		14.25	179	P 1	DNT		LTS	+0.29	UTE	LTE				145	510UL	04/03 RFO
64	74	0.52	120	P 1	NQI		UTS	+1.66	UTE	LTE				145	510UL	04/03 RFO
		6.79	183	P 1	DNT		LTS	+0.43	UTE	LTE				145	510UL	04/03 RFO
64	75	7.24	184	P 1	DNT		LTS	+0.42	UTE	LTE				145	510UL	04/03 RFO
64	83	6.29	183	3	DNT		LTS	+0.90	UTE	LTE				103	510UL	04/03 RFO
64	87	14.82	188	P 1	DNT		LTS	+0.21	UTE	LTE				103	510UL	04/03 RFO
64	88	37.48	172	P 1	DNT		LTS	+0.12	UTE	LTE				104	510UL	04/03 RFO
64	89	33.24	186	P 1	DNT		LTS	+0.12	UTE	LTE				103	510UL	04/03 RFO
64	90	26.09	171	P 1	DNT		LTS	+0.07	UTE	LTE				104	510UL	04/03 RFO
64	91	13.49	184	P 1	DNT		LTS	+0.09	UTE	LTE				103	510UL	04/03 RFO
64	92	13.28	159	P 1	DNT		LTS	+0.10	UTE	LTE				104	510UL	04/03 RFO
64	93	12.35	182	P 1	DNT		LTS	+0.11	UTE	LTE				46	510UL	04/03 RFO
64	94	32.99	184	P 1	DNT		LTS	-0.18	UTE	LTE				46	510UL	04/03 RFO
64	95	37.36	179	P 1	DNT		LTS	+0.10	UTE	LTE				47	510UL	04/03 RFO
64	96	16.39	186	P 1	DNT		LTS	+0.02	UTE	LTE				46	510UL	04/03 RFO
64	110	1.51	155	3	NQI		014	+33.11	UTE	LTE				46	510UL	04/03 RFO
64	125	0.46	115	3	NQI		009	+12.37	UTE	LTE				64	510UL	04/03 RFO
64	126	1.06	89	P 1	NQI		009	-0.64	UTE	LTE				65	510UL	04/03 RFO
64	128	0.45	81	3	NQI		014	+32.85	UTE	LTE				65	510UL	04/03 RFO
65	3	0.89	115	P 1	NQI		013	-0.78	014	LTE				39	510UL	04/03 RFO
65	18	0.72	49	P 1	NQI		004	-0.77	UTE	LTE				18	510UL	04/03 RFO
65	23	0.41	75	3	NQI		LTS	+30.17	UTE	LTE				19	510UL	04/03 RFO
		0.54	68	P 1	NQI		010	-0.58	UTE	LTE				19	510UL	04/03 RFO
65	27	0.34	95	3	NQI		012	+33.06	UTE	LTE				19	510UL	04/03 RFO
65	33	0.76	132	3	NQI		013	+21.13	UTE	LTE				135	510UL	04/03 RFO
65	38	5.52	124	3	NQI		LTS	+21.26	UTE	LTE				136	510UL	04/03 RFO
65	50	0.59	81	3	NQI		010	+28.48	LTE	UTE				4	510UL	04/03 RFO
65	58	27.29	181	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
65	59	43.52	180	P 1	DNT		LTS	+0.18	LTE	UTE				3	510UL	04/03 RFO
65	60	31.20	180	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
65	61	54.81	181	P 1	DNT		LTS	+0.24	LTE	UTE				3	510UL	04/03 RFO
65	62	62.83	182	P 1	DNT		LTS	+0.26	LTE	UTE				3	510UL	04/03 RFO
65	63	25.23	179	P 1	DNT		LTS	+0.11	LTE	UTE				5	510UL	04/03 RFO
65	64	29.94	181	P 1	DNT		LTS	+0.14	UTE	LTE				145	510UL	04/03 RFO
65	65	50.08	181	P 1	DNT		LTS	+0.14	UTE	LTE				145	510UL	04/03 RFO
65	66	31.31	180	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
65	67	37.76	181	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
65	68	36.74	181	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO
65	69	24.64	179	P 1	DNT		LTS	+0.20	UTE	LTE				145	510UL	04/03 RFO
65	71	32.07	180	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO
65	72	52.74	181	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
65	73	27.38	180	P 1	DNT		LTS	+0.20	UTE	LTE				145	510UL	04/03 RFO
65	74	0.60	88	3	NQI		008	+16.06	UTE	LTE				145	510UL	04/03 RFO
		0.61	103	3	NQI		010	+11.58	UTE	LTE				145	510UL	04/03 RFO
65	85	6.00	184	3	DNT		LTS	+0.67	UTE	LTE				103	510UL	04/03 RFO
65	87	11.77	188	P 1	DNT		LTS	+0.12	UTE	LTE				103	510UL	04/03 RFO
65	88	24.71	173	P 1	DNT		LTS	+0.12	UTE	LTE				104	510UL	04/03 RFO
65	89	26.39	183	P 1	DNT		LTS	+0.12	UTE	LTE				103	510UL	04/03 RFO
65	90	34.02	171	P 1	DNT		LTS	+0.10	UTE	LTE				104	510UL	04/03 RFO
65	91	14.58	177	P 1	DNT		LTS	+0.11	UTE	LTE				103	510UL	04/03 RFO
65	92	13.16	148	P 1	DNT		LTS	+0.10	UTE	LTE				104	510UL	04/03 RFO
		0.90	74	P 1	NQI		UTS	+0.09	UTE	LTE				104	510UL	04/03 RFO
65	93	15.68	182	P 1	DNT		LTS	+0.14	UTE	LTE				46	510UL	04/03 RFO
65	94	36.32	177	P 1	DNT		LTS	+0.07	UTE	LTE				47	510UL	04/03 RFO
65	95	31.33	184	P 1	DNT		LTS	-0.04	UTE	LTE				46	510UL	04/03 RFO
65	96	9.46	190	P 1	DNT		LTS	-0.09	UTE	LTE				47	510UL	04/03 RFO
65	125	0.59	106	3	NQI		009	+21.74	UTE	LTE				68	510UL	04/03 RFO
		1.41	91	P 1	NQI		008	-0.68	UTE	LTE				68	510UL	04/03 RFO
65	130	2.46	33	P 1	NQI		011	+0.41	UTE	LTE				62	510UL	04/03 RFO
66	3	0.96	96	3	NQI		010	+4.01	014	LTE				35	510UL	04/03 RFO
		0.51	66	P 1	NQI		010	+0.67	014	LTE				35	510UL	04/03 RFO
		0.38	83	P 1	NQI		011	-0.65	014	LTE				35	510UL	04/03 RFO
66	15	0.44	118	P 1	NQI		008	+0.55	UTE	LTE				18	510UL	04/03 RFO
66	18	39.40	106	3	NQI		LTS	+22.11	UTE	LTE				19	510UL	04/03 RFO
66	23	0.82	42	P 1	NQI		004	+0.52	UTE	LTE				18	510UL	04/03 RFO
		0.37	90	3	NQI		013	+27.93	UTE	LTE				18	510UL	04/03 RFO
		0.33	97	3	NQI		010	+14.61	UTE	LTE				18	510UL	04/03 RFO
66	26	0.97	51	P 1	NQI		010	+0.48	UTE	LTE				19	510UL	04/03 RFO
66	45	0.48	79	P 1	NQI		006	+0.57	UTE	LTE				136	510UL	04/03 RFO
66	59	23.49	181	P 1	DNT		LTS	+0.13	LTE	UTE				3	510UL	04/03 RFO
66	60	44.53	179	P 1	DNT		LTS	+0.11	LTE	UTE				2	510UL	04/03 RFO
66	61	49.75	181	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
66	62	50.66	180	P 1	DNT		LTS	+0.24	LTE	UTE				3	510UL	04/03 RFO
66	63	34.97	180	P 1	DNT		LTS	+0.09	LTE	UTE				5	510UL	04/03 RFO
66	64	26.37	181	P 1	DNT		LTS	+0.14	UTE	LTE				145	510UL	04/03 RFO
66	65	29.84	180	P 1	DNT		LTS	+0.14	UTE	LTE				145	510UL	04/03 RFO
66	66	34.65	180	P 1	DNT		LTS	+0.09	UTE	LTE				145	510UL	04/03 RFO
66	67	25.61	180	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO
66	68	18.82	181	P 1	DNT		LTS	+0.14	UTE	LTE				145	510UL	04/03 RFO
66	69	19.05	177	P 1	DNT		LTS	+0.11	UTE	LTE				145	510UL	04/03 RFO
66	70	15.12	176	P 1	DNT		LTS	-0.25	LTE	UTE				1	510UL	04/03 RFO
66	71	42.75	180	P 1	DNT		LTS	+0.16	UTE	LTE				145	510UL	04/03 RFO
66	72	65.65	181	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
66	74	29.08	181	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
66	79	0.45	130	3	NQI		006	+26.79	UTE	LTE				145	510UL	04/03 RFO
66	87	0.82	129	3	NQI		LTS	+21.13	UTE	LTE				107	510UL	04/03 RFO
66	88	6.97	173	P 1	DNT		LTS	+0.17	UTE	LTE				108	510UL	04/03 RFO
66	89	0.79	121	3	NQI		006	+19.81	UTE	LTE				107	510UL	04/03 RFO
		36.50	185	P 1	DNT		LTS	+0.34	UTE	LTE				107	510UL	04/03 RFO
66	90	32.55	174	P 1	DNT		LTS	+0.00	UTE	LTE				108	510UL	04/03 RFO
66	91	25.54	184	P 1	DNT		LTS	+0.09	UTE	LTE				103	510UL	04/03 RFO
66	92	10.34	152	P 1	DNT		LTS	+0.14	UTE	LTE				104	510UL	04/03 RFO
66	93	18.63	182	P 1	DNT		LTS	+0.02	UTE	LTE				46	510UL	04/03 RFO
66	94	19.94	182	P 1	DNT		LTS	+0.11	UTE	LTE				46	510UL	04/03 RFO
66	95	40.05	180	P 1	DNT		LTS	+0.12	UTE	LTE				47	510UL	04/03 RFO
66	96	21.33	183	P 1	DNT		LTS	+0.05	UTE	LTE				46	510UL	04/03 RFO
66	97	8.23	190	P 1	DNT		LTS	+0.00	UTE	LTE				47	510UL	04/03 RFO
66	100	0.62	137	3	NQI		015	+32.25	UTE	LTE				47	510UL	04/03 RFO
66	126	0.92	73	P 1	NQI		008	+0.52	UTE	LTE				62	510UL	04/03 RFO
		1.06	72	P 1	NQI		008	-0.71	UTE	LTE				62	510UL	04/03 RFO
66	128	1.34	83	P 1	NQI		009	-0.67	UTE	LTE				68	510UL	04/03 RFO
67	2	0.94	106	3	NQI		010	+5.25	014	LTE				35	510UL	04/03 RFO
		0.92	101	P 1	NQI		011	-0.67	014	LTE				35	510UL	04/03 RFO
67	5	0.69	129	P 1	NQI		010	-0.79	014	LTE				36	510UL	04/03 RFO
67	7	0.69	70	P 1	NQI		004	-0.79	UTE	LTE				18	510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
67	11	0.50	119	P 1	NQI		012	+0.55	UTE	LTE				19	510UL	04/03 RFO
67	15	0.38	83	P 1	NQI		011	+0.21	UTE	LTE				18	510UL	04/03 RFO
67	18	0.82	141	P 1	NQI		010	-0.74	UTE	LTE				18	510UL	04/03 RFO
		0.54	53	P 1	NQI		011	-0.78	UTE	LTE				18	510UL	04/03 RFO
67	26	0.64	126	P 1	NQI		009	+0.51	UTE	LTE				18	510UL	04/03 RFO
67	28	0.36	101	3	NQI		012	+19.44	UTE	LTE				18	510UL	04/03 RFO
67	30	1.46	102	P 1	NQI		UTS	+0.11	UTE	LTE				136	510UL	04/03 RFO
67	34	0.94	82	3	NQI		013	+34.22	UTE	LTE				136	510UL	04/03 RFO
67	37	0.53	113	3	NQI		014	+25.03	UTE	LTE				135	510UL	04/03 RFO
		0.59	100	3	NQI		013	+22.84	UTE	LTE	TO+27.09			135	510UL	04/03 RFO
		0.81	67	P 1	NQI		009	+0.62	UTE	LTE				135	510UL	04/03 RFO
67	54	0.50	113	P 1	NQI		UTS	+18.93	LTE	UTE				4	510UL	04/03 RFO
67	59	8.27	183	P 1	DNT		LTS	+0.04	LTE	UTE				3	510UL	04/03 RFO
67	60	30.08	181	P 1	DNT		LTS	+0.00	LTE	UTE				4	510UL	04/03 RFO
67	61	49.13	182	P 1	DNT		LTS	+0.17	LTE	UTE				3	510UL	04/03 RFO
67	62	41.54	181	P 1	DNT		LTS	+0.17	LTE	UTE				3	510UL	04/03 RFO
67	63	25.93	179	P 1	DNT		LTS	+0.20	LTE	UTE				3	510UL	04/03 RFO
67	64	32.68	178	P 1	DNT		LTS	+0.11	UTE	LTE				145	510UL	04/03 RFO
67	65	31.15	181	P 1	DNT		LTS	+0.07	UTE	LTE				145	510UL	04/03 RFO
67	66	13.70	182	P 1	DNT		LTS	+0.05	UTE	LTE				145	510UL	04/03 RFO
67	67	12.45	181	P 1	DNT		LTS	+0.07	UTE	LTE				145	510UL	04/03 RFO
67	69	19.14	180	P 1	DNT		LTS	+0.04	UTE	LTE				145	510UL	04/03 RFO
67	70	38.16	180	P 1	DNT		LTS	-0.24	UTE	LTE				145	510UL	04/03 RFO
67	71	77.07	180	P 1	DNT		LTS	+0.13	UTE	LTE				145	510UL	04/03 RFO
67	72	64.88	181	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
67	73	42.12	180	P 1	DNT		LTS	+0.18	UTE	LTE				145	510UL	04/03 RFO
67	88	11.79	176	P 1	DNT		LTS	+0.05	UTE	LTE				108	510UL	04/03 RFO
67	89	0.47	133	3	NQI		006	+24.93	UTE	LTE				107	510UL	04/03 RFO
		19.75	187	P 1	DNT		LTS	+0.14	UTE	LTE				107	510UL	04/03 RFO
67	90	52.43	175	P 1	DNT		LTS	+0.12	UTE	LTE				108	510UL	04/03 RFO
67	91	23.34	180	P 1	DNT		LTS	+0.21	UTE	LTE				107	510UL	04/03 RFO
67	92	16.50	166	P 1	DNT		LTS	+0.07	UTE	LTE				108	510UL	04/03 RFO
67	93	19.38	183	P 1	DNT		LTS	+0.02	UTE	LTE				42	510UL	04/03 RFO
67	94	29.80	175	P 1	DNT		LTS	+0.10	UTE	LTE				43	510UL	04/03 RFO
67	95	0.56	95	3	NQI		010	+8.65	UTE	LTE				42	510UL	04/03 RFO
		0.34	100	3	NQI		009	+18.60	UTE	LTE				42	510UL	04/03 RFO
		40.07	184	P 1	DNT		LTS	+0.20	UTE	LTE				42	510UL	04/03 RFO
67	96	19.14	178	P 1	DNT		LTS	+0.02	UTE	LTE				43	510UL	04/03 RFO
67	97	9.54	191	P 1	DNT		LTS	+0.10	UTE	LTE				42	510UL	04/03 RFO
67	105	0.32	74	3	NQI		008	+29.79	UTE	LTE				43	510UL	04/03 RFO
67	124	1.36	51	P 1	NQI		007	-0.38	UTE	LTE				62	510UL	04/03 RFO
67	127	1.29	152	3	NQI		014	+1.53	UTE	LTE				68	510UL	04/03 RFO
67	129	0.60	51	P 1	NQI		010	+0.32	UTE	LTE				68	510UL	04/03 RFO
		0.49	110	3	NQI		011	+23.35	UTE	LTE				68	510UL	04/03 RFO
67	130	1.48	48	P 1	NQI		015	-0.55	UTE	LTE				62	510UL	04/03 RFO
		0.73	124	P 1	NQI		011	-0.12	UTE	LTE				62	510UL	04/03 RFO
		0.63	54	P 1	NQI		012	+1.22	UTE	LTE				62	510UL	04/03 RFO
68	2	0.91	116	3	NQI		013	+14.39	014	LTE				36	510UL	04/03 RFO
		1.09	105	P 1	NQI		011	-0.67	014	LTE				36	510UL	04/03 RFO
		0.92	76	P 1	NQI		011	+0.62	014	LTE				36	510UL	04/03 RFO
68	5	1.37	100	P 1	NQI		010	+0.50	014	LTE				35	510UL	04/03 RFO
		6.43	174	3	DNT		LTE	+10.79	014	LTE				35	510UL	04/03 RFO
68	6	0.79	85	P 1	NQI		010	+0.49	014	LTE				36	510UL	04/03 RFO
68	10	0.94	98	P 1	NQI		010	-0.64	UTE	LTE				18	510UL	04/03 RFO
68	11	0.91	109	P 1	NQI		010	-0.75	UTE	LTE				18	510UL	04/03 RFO
68	12	0.95	42	P 1	NQI		012	+0.50	UTE	LTE				19	510UL	04/03 RFO
		1.77	64	P 1	NQI		010	-0.58	UTE	LTE				19	510UL	04/03 RFO
68	13	1.02	96	P 1	NQI		010	-0.71	UTE	LTE				18	510UL	04/03 RFO
		0.66	148	P 1	NQI		011	+0.61	UTE	LTE				18	510UL	04/03 RFO
68	17	0.65	86	3	NQI		007	+6.34	UTE	LTE				18	510UL	04/03 RFO
68	20	1.57	90	P 1	NQI		008	-0.64	UTE	LTE				19	510UL	04/03 RFO
68	22	0.67	119	P 1	NQI		010	-0.71	UTE	LTE				18	510UL	04/03 RFO
68	23	1.07	69	P 1	NQI		010	-0.65	UTE	LTE				19	510UL	04/03 RFO
68	34	0.38	54	3	NQI		015	+38.79	UTE	LTE				135	510UL	04/03 RFO
68	53	1.82	133	3	NQI		014	+12.79	LTE	UTE				4	510UL	04/03 RFO
68	60	0.38	115	3	NQI		008	+30.61	LTE	UTE				3	510UL	04/03 RFO
		0.38	137	3	NQI		008	+25.03	LTE	UTE				3	510UL	04/03 RFO
68	62	16.52	183	P 1	DNT		LTS	+0.09	LTE	UTE				3	510UL	04/03 RFO

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
68	63	12.58	181	P	1	DNT	LTS	+0.11	LTE	UTE				3		510UL	04/03 RFO
68	64	8.48	182	P	1	DNT	LTS	-0.02	UTE	LTE				145		510UL	04/03 RFO
68	65	9.47	181	P	1	DNT	LTS	+0.00	UTE	LTE				161		510UL	04/03 RFO
		0.67	129	3		NQI	002	+25.65	UTE	LTE				161		510UL	04/03 RFO
		0.53	71	3		NQI	002	+25.60	UTS	LTE				145		510UL	04/03 RFO
		9.75	181	P	1	DNT	LTS	+0.00	UTS	LTE				145		510UL	04/03 RFO
68	66	0.61	84	P	1	NQI	004	+0.66	UTE	LTE				145		510UL	04/03 RFO
68	71	7.94	183	P	1	DNT	LTS	+0.07	UTE	LTE				145		510UL	04/03 RFO
68	72	38.55	181	P	1	DNT	LTS	+0.11	UTE	LTE				145		510UL	04/03 RFO
68	73	34.15	180	P	1	DNT	LTS	+0.13	UTE	LTE				145		510UL	04/03 RFO
68	74	26.99	180	P	1	DNT	LTS	+0.22	UTE	LTE				145		510UL	04/03 RFO
68	81	0.80	107	3		NQI	010	+22.49	UTE	LTE				107		510UL	04/03 RFO
		0.38	102	3		NQI	010	+21.58	UTE	LTE				107		510UL	04/03 RFO
		0.50	99	3		NQI	011	+28.40	UTE	LTE				107		510UL	04/03 RFO
68	86	0.44	97	3		NQI	005	+21.93	UTE	LTE				108		510UL	04/03 RFO
68	88	0.44	114	3		NQI	012	+32.07	UTE	LTE				108		510UL	04/03 RFO
68	89	10.83	189	P	1	DNT	LTS	+0.02	UTE	LTE				107		510UL	04/03 RFO
68	90	44.63	176	P	1	DNT	LTS	+0.17	UTE	LTE				108		510UL	04/03 RFO
68	91	37.64	186	P	1	DNT	LTS	+0.34	UTE	LTE				107		510UL	04/03 RFO
		0.35	107	3		NQI	008	+32.58	UTE	LTE				107		510UL	04/03 RFO
		0.44	115	3		NQI	008	+27.84	UTE	LTE				107		510UL	04/03 RFO
		0.46	92	3		NQI	008	+26.79	UTE	LTE				107		510UL	04/03 RFO
68	92	26.12	169	P	1	DNT	LTS	+0.10	UTE	LTE				108		510UL	04/03 RFO
68	93	12.66	178	P	1	DNT	LTS	+0.14	UTE	LTE				42		510UL	04/03 RFO
68	95	35.47	184	P	1	DNT	LTS	-0.04	UTE	LTE				42		510UL	04/03 RFO
68	96	32.98	178	P	1	DNT	LTS	+0.10	UTE	LTE				43		510UL	04/03 RFO
68	100	0.60	108	3		NQI	015	+30.45	UTE	LTE				42		510UL	04/03 RFO
		0.41	128	P	1	NQI	015	+0.59	UTE	LTE				42		510UL	04/03 RFO
68	122	0.38	103	3		NQI	013	+2.66	UTE	LTE				42		510UL	04/03 RFO
68	127	1.02	77	P	1	NQI	008	+0.21	UTE	LTE				62		510UL	04/03 RFO
		1.01	126	P	1	NQI	008	-0.71	UTE	LTE				62		510UL	04/03 RFO
		0.70	62	P	1	NQI	008	+0.76	UTE	LTE				62		510UL	04/03 RFO
68	129	1.28															

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
69	74	7.49	182	3	DNT		009	+22.01	UTE	LTE				145		510UL	04/03 RFO
		14.64	176	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
		0.31	104	3	NQI		013	+32.14	UTE	LTE				145		510UL	04/03 RFO
69	75	6.81	171	P 1	DNT		LTS	+0.02	UTE	LTE				145		510UL	04/03 RFO
69	76	0.48	106	3	NQI		013	+14.15	UTE	LTE				145		510UL	04/03 RFO
69	89	6.24	178	3	DNT		LTS	+0.76	UTE	LTE				108		510UL	04/03 RFO
69	90	24.59	189	P 1	DNT		LTS	+0.14	UTE	LTE				107		510UL	04/03 RFO
69	91	56.49	176	P 1	DNT		LTS	+0.14	UTE	LTE				108		510UL	04/03 RFO
69	92	38.71	184	P 1	DNT		LTS	+0.07	UTE	LTE				107		510UL	04/03 RFO
69	93	33.82	169	P 1	DNT		LTS	-0.05	UTE	LTE				108		510UL	04/03 RFO
69	94	20.70	181	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
69	95	27.60	181	P 1	DNT		LTS	+0.14	UTE	LTE				43		510UL	04/03 RFO
69	96	57.92	186	P 1	DNT		LTS	-0.07	UTE	LTE				42		510UL	04/03 RFO
69	97	29.21	177	P 1	DNT		LTS	+0.05	UTE	LTE				43		510UL	04/03 RFO
69	109	0.61	110	3	NQI		LTS	+19.23	UTE	LTE				42		510UL	04/03 RFO
70	3	0.48	92	3	NQI		011	+11.33	014	LTE				36		510UL	04/03 RFO
		1.22	96	P 1	NQI		011	-0.24	014	LTE				36		510UL	04/03 RFO
		0.35	75	P 1	NQI		011	+0.40	014	LTE				36		510UL	04/03 RFO
70	6	0.64	111	3	NQI		011	+3.17	014	LTE				36		510UL	04/03 RFO
		0.58	113	3	NQI		011	+2.73	014	LTE				36		510UL	04/03 RFO
70	7	0.66	81	P 1	NQI		010	+0.46	014	LTE				35		510UL	04/03 RFO
70	8	0.95	108	P 1	NQI		011	+0.71	014	LTE				36		510UL	04/03 RFO
		0.70	113	P 1	NQI		013	-0.84	014	LTE				36		510UL	04/03 RFO
70	9	1.05	102	3	NQI		011	+6.67	014	LTE				35		510UL	04/03 RFO
		0.55	88	P 1	NQI		010	+0.48	014	LTE				35		510UL	04/03 RFO
		0.73	102	3	NQI		011	+7.48	014	LTE				35		510UL	04/03 RFO
70	10	0.51	146	P 1	NQI		009	+0.60	UTE	LTE				18		510UL	04/03 RFO
		0.85	126	3	NQI		011	+4.98	UTE	LTE				18		510UL	04/03 RFO
70	11	0.88	116	3	NQI		011	+34.18	UTE	LTE				12		510UL	04/03 RFO
		0.71	137	3	NQI		012	-1.11	UTE	LTE				12		510UL	04/03 RFO
70	12	2.48	57	P 1	NQI		013	-0.76	UTE	LTE				13		510UL	04/03 RFO
70	13	0.91	128	3	NQI		012	-1.19	UTE	LTE				12		510UL	04/03 RFO
		0.56	137	P 1	NQI		011	+0.50	UTE	LTE				12		510UL	04/03 RFO
70	15	0.36	114	3	NQI		011	+36.40	UTE	LTE				12		510UL	04/03 RFO
70	16	1.20	59	P 1	NQI		011	+0.40	UTE	LTE				13		510UL	04/03 RFO
70	18	1.71	51	P 1	NQI		015	-0.86	UTE	LTE				13		510UL	04/03 RFO
70	21	0.59	48	P 1	NQI		012	+0.00	UTE	LTE				12		510UL	04/03 RFO
		0.48	105	3	NQI		011	+23.61	UTE	LTE				12		510UL	04/03 RFO
70	22	1.43	50	P 1	NQI		011	+0.45	UTE	LTE				13		510UL	04/03 RFO
70	24	0.87	59	P 1	NQI		003	-0.57	UTE	LTE				13		510UL	04/03 RFO
		0.47	63	P 1	NQI		012	-0.07	UTE	LTE				13		510UL	04/03 RFO
70	29	6.28	184	P 1	DNT		UTS	+0.02	UTE	LTE				12		510UL	04/03 RFO
70	30	1.03	27	P 1	NQI		011	+0.48	UTE	LTE				13		510UL	04/03 RFO
70	32	0.97	111	3	NQI		010	+4.19	UTE	LTE				135		510UL	04/03 RFO
70	33	6.48	188	P 1	DNT		UTS	+0.00	UTE	LTE				136		510UL	04/03 RFO
70	35	7.61	177	P 1	DNT		UTS	+0.00	UTE	LTE				136		510UL	04/03 RFO
70	36	9.08	184	P 1	DNT		UTS	+0.04	UTE	LTE				135		510UL	04/03 RFO
70	40	0.88	95	P 1	NQI		009	-0.62	UTE	LTE				135		510UL	04/03 RFO
70	43	0.80	91	P 1	NQI		008	+0.68	UTE	LTE				147		510UL	04/03 RFO
		0.69	103	P 1	NQI		009	-0.75	UTE	LTE				147		510UL	04/03 RFO
70	45	1.04	57	P 1	NQI		009	-0.72	UTE	LTE				147		510UL	04/03 RFO
70	46	0.87	97	P 1	NQI		008	-0.82	UTE	LTE				147		510UL	04/03 RFO
		1.47	71	P 1	NQI		009	+0.62	UTE	LTE				147		510UL	04/03 RFO
		0.76	76	P 1	NQI		009	-0.77	UTE	LTE				147		510UL	04/03 RFO
70	51	0.34	97	3	NQI		013	+19.33	LTE	UTE				10		510UL	04/03 RFO
		0.33	113	3	NQI		013	+19.89	LTE	UTE				10		510UL	04/03 RFO
		0.46	97	3	NQI		013	+18.97	LTE	UTE				10		510UL	04/03 RFO
70	52	0.55	126	3	NQI		012	+17.38	LTE	UTE				11		510UL	04/03 RFO
		0.65	94	P 1	NQI		UTS	+19.73	LTE	UTE				11		510UL	04/03 RFO
		0.50	72	P 1	NQI		005	+0.75	LTE	UTE				11		510UL	04/03 RFO
70	53	0.67	75	P 1	NQI		005	+0.71	LTE	UTE				10		510UL	04/03 RFO
70	60	0.40	97	3	NQI		011	+19.26	LTE	UTE				8		510UL	04/03 RFO
70	66	0.74	55	P 1	NQI		005	+0.57	UTE	LTE				145		510UL	04/03 RFO
70	72	8.17	184	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
		0.48	89	3	NQI		015	+19.70	UTE	LTE				145		510UL	04/03 RFO
		0.49	91	3	NQI		011	+5.85	UTE	LTE				145		510UL	04/03 RFO
		0.52	98	3	NQI		010	+10.83	UTE	LTE				145		510UL	04/03 RFO
70	73	10.89	181	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
70	79	2.39	110	6	ADI		015	+24.04	TO+31.56	UTE	LTE			145	510UL	04/03 RFO
70	88	0.37	112	3	NQI		010	+7.89		UTE	LTE			108	510UL	04/03 RFO
70	90	31.77	178	P 1	DNT		LTS	+0.05		UTE	LTE			108	510UL	04/03 RFO
70	91	49.91	189	P 1	DNT		LTS	+0.16		UTE	LTE			107	510UL	04/03 RFO
70	92	59.82	173	P 1	DNT		LTS	+0.12		UTE	LTE			108	510UL	04/03 RFO
70	93	31.38	184	P 1	DNT		LTS	+0.00		UTE	LTE			42	510UL	04/03 RFO
70	94	26.58	182	P 1	DNT		LTS	+0.00		UTE	LTE			42	510UL	04/03 RFO
70	95	12.08	187	3	DNT		LTE	+2.01		UTE	LTE			43	510UL	04/03 RFO
		19.41	183	3	DNT		LTE	+2.93		UTE	LTE			43	510UL	04/03 RFO
		16.87	182	3	DNT		LTE	+3.96		UTE	LTE			43	510UL	04/03 RFO
		21.36	187	3	DNT		LTE	+3.25		UTE	LTE			43	510UL	04/03 RFO
		25.12	174	P 1	DNT		LTS	-0.02		UTE	LTE			43	510UL	04/03 RFO
		11.62	185	3	DNT		LTE	+9.58		UTE	LTE			43	510UL	04/03 RFO
		6.93	188	3	DNT		LTE	+4.58		UTE	LTE			43	510UL	04/03 RFO
		10.19	182	3	DNT		LTE	+2.55		UTE	LTE			43	510UL	04/03 RFO
70	96	0.41	84	3	NQI		010	+10.08		UTE	LTE			42	510UL	04/03 RFO
		41.11	184	P 1	DNT		LTS	+0.00		UTE	LTE			42	510UL	04/03 RFO
70	97	15.21	182	P 1	DNT		LTS	+0.00		UTE	LTE			43	510UL	04/03 RFO
70	100	0.42	105	3	NQI		010	+21.77		UTE	LTE			42	510UL	04/03 RFO
		0.34	107	3	NQI		010	+12.16		UTE	LTE			42	510UL	04/03 RFO
		0.38	106	3	NQI		010	+6.42		UTE	LTE			42	510UL	04/03 RFO
		0.46	89	3	NQI		012	+16.88		UTE	LTE			42	510UL	04/03 RFO
70	103	0.24	112	3	NQI		010	+2.91		UTE	LTE			43	510UL	04/03 RFO
70	119	0.50	87	3	NQI		008	+30.49		UTE	LTE			42	510UL	04/03 RFO
70	124	0.68	101	3	NQI		002	+34.36		UTE	LTE			56	510UL	04/03 RFO
		0.84	103	3	NQI		002	+9.73		UTE	LTE			56	510UL	04/03 RFO
70	128	2.30	57	P 1	NQI		008	-0.62		UTE	LTE			56	510UL	04/03 RFO
70	130	0.40	115	3	TWD	5	015	+2.15		UTE	LTE			56	510UL	04/03 RFO
71	3	0.35	113	P 1	NQI		013	-0.51		014	LTE			36	510UL	04/03 RFO
		0.31	100	P 1	NQI		010	-0.32		014	LTE			36	510UL	04/03 RFO
71	9	0.69	114	3	NQI		011	+35.84		014	LTE			36	510UL	04/03 RFO
		0.80	90	P 1	NQI		011	+0.69		014	LTE			36	510UL	04/03 RFO
		0.39	88	P 1	NQI		011	+0.40		014	LTE			36	510UL	04/03 RFO
71	12	0.99	104	P 1	NQI		014	-0.73		UTE	LTE			12	510UL	04/03 RFO
		0.40	83	P 1	NQI		010	+0.18		UTE	LTE			12	510UL	04/03 RFO
71	13	1.21	71	P 1	NQI		014	-0.77		UTE	LTE			12	510UL	04/03 RFO
		0.55	82	P 1	NQI		010	+0.41		UTE	LTE			12	510UL	04/03 RFO
71	14	0.72	54	P 1	NQI		014	-0.74		UTE	LTE			13	510UL	04/03 RFO
		0.58	94	3	NQI		015	+28.38		UTE	LTE			13	510UL	04/03 RFO
		0.43	110	3	NQI		015	+28.94		UTE	LTE			13	510UL	04/03 RFO
		1.80	56	P 1	NQI		015	-0.74		UTE	LTE			13	510UL	04/03 RFO
		1.76	93	P 1	NQI		UTS	+0.12		UTE	LTE			13	510UL	04/03 RFO
71	15	0.65	106	3	NQI		015	+28.37		UTE	LTE			12	510UL	04/03 RFO
		1.10	84	P 1	NQI		014	-0.75		UTE	LTE			12	510UL	04/03 RFO
		0.45	94	3	NQI		012	+5.40		UTE	LTE			12	510UL	04/03 RFO
71	16	2.53	86	P 1	NQI		UTS	+0.12		UTE	LTE			13	510UL	04/03 RFO
71	17	2.05	64	P 1	NQI		015	-0.85		UTE	LTE			137	510UL	04/03 RFO
71	18	0.40	75	P 1	NQI		008	+0.64		UTE	LTE			13	510UL	04/03 RFO
71	19	1.15	66	P 1	NQI		012	-1.07		UTE	LTE			137	510UL	04/03 RFO
71	21	1.20	108	3	NQI		012	+2.18		UTE	LTE			137	510UL	04/03 RFO
		0.91	72	P 1	NQI		010	+0.43		UTE	LTE			137	510UL	04/03 RFO
71	22	0.68	125	P 1	NQI		007	-0.81		UTE	LTE			13	510UL	04/03 RFO
71	23	0.85	79	P 1	NQI		011	+0.47		UTE	LTE			137	510UL	04/03 RFO
		0.84	111	3	NQI		012	+9.31		UTE	LTE			137	510UL	04/03 RFO
71	26	0.39	102	3	NQI		012	+5.84		UTE	LTE			12	510UL	04/03 RFO
71	27	0.53	81	P 1	NQI		015	+0.65		UTE	LTE			137	510UL	04/03 RFO
71	28	0.68	74	P 1	NQI		013	+0.67		UTE	LTE			13	510UL	04/03 RFO
		0.80	55	P 1	NQI		012	+0.53		UTE	LTE			13	510UL	04/03 RFO
71	29	0.47	95	3	NQI		011	+3.29		UTE	LTE			12	510UL	04/03 RFO
71	30	8.60	185	P 1	DNT		UTS	+0.02		UTE	LTE			13	510UL	04/03 RFO
		0.99	57	P 1	NQI		012	+0.43		UTE	LTE			13	510UL	04/03 RFO
71	33	0.43	126	P 1	NQI		012	+0.52		UTE	LTE			135	510UL	04/03 RFO
71	36	0.84	149	P 1	NQI		011	+0.46		UTE	LTE			135	510UL	04/03 RFO
71	37	0.50	98	3	NQI		014	+11.68		UTE	LTE			136	510UL	04/03 RFO
71	39	1.27	39	P 1	NQI		008	+0.50		UTE	LTE			136	510UL	04/03 RFO
71	40	0.77	88	P 1	NQI		009	+0.39		UTE	LTE			135	510UL	04/03 RFO
71	45	1.33	65	P 1	NQI		008	+0.64		UTE	LTE			147	510UL	04/03 RFO
		0.94	100	P 1	NQI		008	-0.77		UTE	LTE			147	510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
71	46	1.35	73	P 1	NQI		007	-0.68	UTE	LTE				147		510UL	04/03 RFO
		1.43	97	P 1	NQI		008	-0.77	UTE	LTE				147		510UL	04/03 RFO
		0.40	81	P 1	NQI		006	+0.66	UTE	LTE				147		510UL	04/03 RFO
71	48	0.92	62	P 1	NQI		009	-0.75	UTE	LTE				147		510UL	04/03 RFO
71	54	0.82	68	P 1	NQI		005	+0.69	LTE	UTE				10		510UL	04/03 RFO
71	60	0.45	107	3	NQI		001	+17.26	LTE	UTE				9		510UL	04/03 RFO
		0.88	84	3	NQI		001	+34.02	LTE	UTE				9		510UL	04/03 RFO
71	71	0.39	109	3	NQI		010	+24.02	UTE	LTE				145		510UL	04/03 RFO
71	72	8.16	181	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
71	73	11.27	178	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
71	74	6.95	175	P 1	DNT		LTS	+0.02	UTE	LTE				145		510UL	04/03 RFO
71	75	6.41	178	P 1	DNT		LTS	+0.14	UTE	LTE				145		510UL	04/03 RFO
71	81	0.59	96	3	NQI		014	+8.72	UTE	LTE	TO+12.04			108		510UL	04/03 RFO
71	89	12.32	175	P 1	DNT		LTS	-0.16	UTE	LTE				108		510UL	04/03 RFO
71	90	41.86	190	P 1	DNT		LTS	+0.25	UTE	LTE				107		510UL	04/03 RFO
71	91	45.02	174	P 1	DNT		LTS	+0.10	UTE	LTE				108		510UL	04/03 RFO
71	92	52.82	186	P 1	DNT		LTS	+0.09	UTE	LTE				107		510UL	04/03 RFO
71	93	37.39	178	P 1	DNT		LTS	+0.10	UTE	LTE				43		510UL	04/03 RFO
71	94	19.16	181	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
71	95	6.29	181	3	DNT		015	+32.36	UTE	LTE				42		510UL	04/03 RFO
		39.75	183	P 1	DNT		LTS	-0.18	UTE	LTE				42		510UL	04/03 RFO
71	98	0.47	70	3	NQI		015	+11.16	UTE	LTE				43		510UL	04/03 RFO
71	101	0.89	70	3	NQI		010	+31.60	UTE	LTE				42		510UL	04/03 RFO
71	106	29.21	184	3	DNT		004	+32.96	UTE	LTE				43		510UL	04/03 RFO
		28.62	183	3	DNT		004	+37.16	UTE	LTE				43		510UL	04/03 RFO
71	119	0.42	68	3	NQI		001	+8.72	UTE	LTE				42		510UL	04/03 RFO
71	128	0.54	128	3	NQI		010	+17.80	UTE	LTE				55		510UL	04/03 RFO
		0.81	92	P 1	NQI		008	-0.54	UTE	LTE				55		510UL	04/03 RFO
		0.37	106	3	NQI		013	+26.13	UTE	LTE				55		510UL	04/03 RFO
71	130	13.28	24	P 1	NQI		UTS	-0.07	UTE	LTE				55		510UL	04/03 RFO
71	131	1.76	71	6	ADI		015	+31.88	UTE	LTE				56		510UL	04/03 RFO
		0.89	92	3	NQI		014	+32.65	UTE	LTE				56		510UL	04/03 RFO
		3.00	106	P 1	NQI		UTS	+0.00	UTE	LTE				56		510UL	04/03 RFO
72	7	0.88	132	P 1	NQI		013	-0.53	014	LTE				36		510UL	04/03 RFO
72	9	15.58	85	6	ADI		LTS	+23.85	014	LTE	TO+29.63			35		510UL	04/03 RFO
72	13	0.25	81	P 1	NQI		014	+0.27	014	LTE				36		510UL	04/03 RFO
72	20	0.62	92	P 1	NQI		UTS	+20.86	UTE	LTE				13		510UL	04/03 RFO
72	22	0.65	138	3	NQI		015	+23.22	UTE	LTE				12		510UL	04/03 RFO
		0.73	144	3	NQI		012	+12.49	UTE	LTE				12		510UL	04/03 RFO
72	23	1.25	112	3	NQI		015	+22.79	UTE	LTE				13		510UL	04/03 RFO
72	25	0.98	102	P 1	NQI		013	+0.48	UTE	LTE				12		510UL	04/03 RFO
		0.70	94	3	NQI		012	+13.18	UTE	LTE				12		510UL	04/03 RFO
72	26	1.00	114	3	NQI		012	+10.11	UTE	LTE				13		510UL	04/03 RFO
		0.53	75	3	NQI		012	+10.99	UTE	LTE				13		510UL	04/03 RFO
72	27	0.85	128	3	NQI		015	+21.57	UTE	LTE				12		510UL	04/03 RFO
		0.37	129	3	NQI		013	+23.60	UTE	LTE				12		510UL	04/03 RFO
72	28	0.51	82	3	NQI		015	+21.31	UTE	LTE				13		510UL	04/03 RFO
		0.83	98	3	NQI		012	+8.47	UTE	LTE				13		510UL	04/03 RFO
72	31	1.00	108	3	NQI		012	+6.57	UTE	LTE				136		510UL	04/03 RFO
		1.32	63	P 1	NQI		012	+0.21	UTE	LTE				136		510UL	04/03 RFO
72	32	0.85	87	3	NQI		012	+8.14	UTE	LTE				136		510UL	04/03 RFO
		1.42	100	3	NQI		012	+4.41	UTE	LTE				136		510UL	04/03 RFO
		1.55	112	3	NQI		012	+3.82	UTE	LTE				136		510UL	04/03 RFO
		1.23	74	P 1	NQI		010	+0.33	UTE	LTE				136		510UL	04/03 RFO
		6.44	184	P 1	DNT		UTS	+0.00	UTE	LTE				136		510UL	04/03 RFO
72	33	7.18	182	P 1	DNT		UTS	+0.00	UTE	LTE				135		510UL	04/03 RFO
72	34	0.79	113	3	NQI		012	+7.00	UTE	LTE				136		510UL	04/03 RFO
		0.46	58	P 1	NQI		015	-0.40	UTE	LTE				136		510UL	04/03 RFO
		6.16	177	P 1	DNT		UTS	+0.00	UTE	LTE				136		510UL	04/03 RFO
		1.03	88	3	NQI		012	+6.10	UTE	LTE				136		510UL	04/03 RFO
72	35	0.56	120	3	NQI		012	+6.00	UTE	LTE				135		510UL	04/03 RFO
		0.65	104	3	NQI		012	+5.77	UTE	LTE				135		510UL	04/03 RFO
		0.61	102	3	NQI		012	+2.52	UTE	LTE				135		510UL	04/03 RFO
		0.59	63	P 1	NQI		015	-0.59	UTE	LTE				135		510UL	04/03 RFO
		8.03	183	P 1	DNT		UTS	+0.02	UTE	LTE				135		510UL	04/03 RFO
72	38	6.15	180	P 1	DNT		UTS	+0.00	UTE	LTE				136		510UL	04/03 RFO
72	39	0.51	113	P 1	NQI		012	+0.45	UTE	LTE				135		510UL	04/03 RFO
72	47	6.25	191	P 1	DNT		UTS	+0.04	UTE	LTE				147		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
72	51	0.34	136	3	NQI		012	+21.81	LTE	UTE				10		510UL	04/03 RFO
72	53	0.49	99	P 1	NQI		007	-0.63	LTE	UTE				10		510UL	04/03 RFO
		0.17	115	P 1	NQI		005	-0.49	LTE	UTE				10		510UL	04/03 RFO
72	54	0.24	96	3	NQI		013	+26.38	LTE	UTE				11		510UL	04/03 RFO
72	57	6.28	187	P 1	DNT		UTS	-0.02	LTE	UTE				9		510UL	04/03 RFO
72	58	0.36	120	3	NQI		012	+15.12	LTE	UTE				8		510UL	04/03 RFO
72	64	0.69	52	P 1	NQI		003	-0.50	UTE	LTE				150		510UL	04/03 RFO
72	67	6.66	195	P 1	DNT		UTS	+0.00	UTE	LTE				150		510UL	04/03 RFO
72	69	8.92	184	3	DNT		002	+23.21	UTE	LTE				145		510UL	04/03 RFO
72	73	9.21	177	P 1	DNT		LTS	+0.07	UTE	LTE				145		510UL	04/03 RFO
72	74	7.35	176	P 1	DNT		LTS	+0.18	UTE	LTE				145		510UL	04/03 RFO
72	79	0.73	64	3	NQI		014	+29.60	UTE	LTE				107		510UL	04/03 RFO
72	87	12.40	176	3	DNT		LTS	+0.74	UTE	LTE				108		510UL	04/03 RFO
72	88	7.46	178	3	DNT		LTS	+0.78	UTE	LTE				107		510UL	04/03 RFO
72	89	0.33	109	P 1	NQI		UTS	+13.97	UTE	LTE				108		510UL	04/03 RFO
		16.38	176	P 1	DNT		LTS	+0.21	UTE	LTE				108		510UL	04/03 RFO
72	90	46.60	188	P 1	DNT		LTS	+0.18	UTE	LTE				107		510UL	04/03 RFO
72	91	56.39	175	P 1	DNT		LTS	+0.17	UTE	LTE				108		510UL	04/03 RFO
72	92	66.04	181	P 1	DNT		LTS	+0.07	UTE	LTE				43		510UL	04/03 RFO
72	93	35.53	185	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
72	94	22.66	176	P 1	DNT		LTS	+0.07	UTE	LTE				43		510UL	04/03 RFO
72	95	62.46	185	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
72	96	22.93	179	P 1	DNT		LTS	+0.02	UTE	LTE				43		510UL	04/03 RFO
		0.88	125	3	NQI		012	+34.14	UTE	LTE				43		510UL	04/03 RFO
		0.72	112	3	NQI		012	+20.85	UTE	LTE				43		510UL	04/03 RFO
72	97	6.09	194	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
		0.59	99	3	NQI		011	+15.23	UTE	LTE				42		510UL	04/03 RFO
		1.02	96	3	NQI		011	+16.11	UTE	LTE				42		510UL	04/03 RFO
		0.31	106	3	NQI		012	+19.44	UTE	LTE				42		510UL	04/03 RFO
		0.51	112	3	NQI		012	+20.35	UTE	LTE				42		510UL	04/03 RFO
72	115	0.41	70	3	NQI		001	+25.44	UTE	LTE				42		510UL	04/03 RFO
72	127	1.22	100	P 1	NQI		008	-0.76	UTE	LTE				55		510UL	04/03 RFO
		0.43	63	P 1	NQI		007	-0.76	UTE	LTE				55		510UL	04/03 RFO
72	128	2.21	59	P 1	NQI		009	-0.53	UTE	LTE				56		510UL	04/03 RFO
		2.41	79	P 1	NQI		008	-0.64	UTE	LTE				56		510UL	04/03 RFO
73	4	1.13	97	P 1	NQI		013	-0.43	014	LTE				35		510UL	04/03 RFO
73	5	1.52	89	P 1	NQI		014	-0.77	014	LTE				36		510UL	04/03 RFO
73	21	0.26	105	P 1	NQI		014	+0.13	014	LTE				36		510UL	04/03 RFO
73	35	0.87	101	3	NQI		015	+21.52	UTE	LTE				136		510UL	04/03 RFO
		0.97	122	3	NQI		014	+22.99	UTE	LTE				136		510UL	04/03 RFO
73	36	0.78	155	3	NQI		013	+17.20	UTE	LTE				135		510UL	04/03 RFO
73	38	0.77	121	3	NQI		013	+32.81	UTE	LTE				135		510UL	04/03 RFO
73	40	6.10	187	P 1	DNT		UTS	+0.02	UTE	LTE				135		510UL	04/03 RFO
73	46	0.73	69	P 1	NQI		010	+0.48	UTE	LTE				147		510UL	04/03 RFO
		0.81	114	3	NQI		010	+9.09	UTE	LTE				147		510UL	04/03 RFO
73	48	0.45	87	3	NQI		015	+30.41	UTE	LTE				147		510UL	04/03 RFO
		0.66	103	3	NQI		015	+28.08	UTE	LTE				147		510UL	04/03 RFO
		1.20	50	P 1	NQI		009	+0.48	UTE	LTE				147		510UL	04/03 RFO
73	49	0.78	79	P 1	NQI		008	-0.64	UTE	LTE				147		510UL	04/03 RFO
73	50	0.76	100	P 1	NQI		009	+0.67	LTE	UTE				10		510UL	04/03 RFO
73	65	1.14	91	6	ADI		014	+6.20	UTE	LTE				161		510UL	04/03 RFO
73	73	9.26	183	P 1	DNT		LTS	+0.00	UTE	LTE				150		510UL	04/03 RFO
73	79	0.55	121	3	NQI		006	+23.18	UTE	LTE				107		510UL	04/03 RFO
73	88	23.87	179	P 1	DNT		LTS	+0.12	UTE	LTE				108		510UL	04/03 RFO
73	89	9.06	178	3	DNT		LTS	+0.99	UTE	LTE				107		510UL	04/03 RFO
		47.88	189	P 1	DNT		LTS	+0.25	UTE	LTE				107		510UL	04/03 RFO
73	90	58.02	175	P 1	DNT		LTS	+0.14	UTE	LTE				108		510UL	04/03 RFO
73	91	59.73	188	P 1	DNT		LTS	+0.16	UTE	LTE				107		510UL	04/03 RFO
73	92	59.60	184	P 1	DNT		LTS	+0.11	UTE	LTE				42		510UL	04/03 RFO
73	93	21.52	184	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
73	94	44.35	179	P 1	DNT		LTS	+0.10	UTE	LTE				43		510UL	04/03 RFO
		18.23	184	3	DNT		LTE	+5.68	UTE	LTE				43		510UL	04/03 RFO
73	95	28.33	184	P 1	DNT		LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
		0.38	90	3	NQI		010	+20.25	UTE	LTE				42		510UL	04/03 RFO
73	96	12.61	183	P 1	DNT		LTS	+0.00	UTE	LTE				43		510UL	04/03 RFO
73	98	1.05	123	3	NQI		LTS	+38.55	UTE	LTE				43		510UL	04/03 RFO
73	120	0.40	54	3	NQI		014	+21.47	UTE	LTE				55		510UL	04/03 RFO
73	126	18.06	180	3	DNT		UTS	+16.58	UTE	LTE				56		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
73	128	2.73	26	P	1	NQI	009	-0.39	UTE	LTE				56		510UL	04/03 RFO
		1.71	81	P	1	NQI	008	-0.68	UTE	LTE				56		510UL	04/03 RFO
74	3	18.61	184	3	DNT		LTE	+11.40	014	LTE				71		510UL	04/03 RFO
		0.82	121	3	NQI		013	+22.13	014	LTE				71		510UL	04/03 RFO
74	11	0.37	87	3	NQI		007	+24.83	014	LTE				36		510UL	04/03 RFO
74	19	0.31	63	P	1	NQI	009	-0.28	014	LTE				35		510UL	04/03 RFO
74	27	0.57	79	P	1	NQI	011	-0.74	014	LTE				35		510UL	04/03 RFO
74	31	0.49	60	3	NQI		LTS	+23.33	014	LTE				35		510UL	04/03 RFO
		1.17	34	3	NQI		LTS	+22.43	014	LTE				35		510UL	04/03 RFO
74	43	6.13	193	P	1	DNT	UTS	+0.00	UTE	LTE				147		510UL	04/03 RFO
74	44	6.28	199	P	1	DNT	UTS	+0.04	UTE	LTE				147		510UL	04/03 RFO
74	48	1.18	58	P	1	NQI	009	-0.61	UTE	LTE				147		510UL	04/03 RFO
		0.91	106	3	NQI		001	+16.90	UTE	LTE				147		510UL	04/03 RFO
74	51	6.65	179	P	1	DNT	UTS	+0.09	LTE	UTE				11		510UL	04/03 RFO
74	53	6.29	179	P	1	DNT	UTS	+0.02	LTE	UTE				11		510UL	04/03 RFO
74	54	4.37	120	3	NQI		LTS	+21.35	LTE	UTE				10		510UL	04/03 RFO
74	59	9.92	185	3	DNT		LTE	+3.17	LTE	UTE				9		510UL	04/03 RFO
		18.10	183	3	DNT		LTE	+5.56	LTE	UTE				9		510UL	04/03 RFO
		6.87	186	P	1	DNT	UTS	+0.05	LTE	UTE				9		510UL	04/03 RFO
74	66	0.42	113	3	NQI		011	+30.68	UTE	LTE				161		510UL	04/03 RFO
		0.24	103	P	1	NQI	UTS	-0.59	UTE	LTE				161		510UL	04/03 RFO
		0.40	106	3	NQI		015	+10.96	UTE	LTE				161		510UL	04/03 RFO
74	67	0.50	132	P	1	NQI	UTS	+13.78	UTE	LTE				161		510UL	04/03 RFO
		0.70	107	P	1	NQI	UTS	+15.19	UTE	LTE				161		510UL	04/03 RFO
74	68	16.42	186	P	1	DNT	LTS	-0.02	UTE	LTE				150		510UL	04/03 RFO
74	69	8.97	184	P	1	DNT	LTS	+0.09	UTE	LTE				154		510UL	04/03 RFO
74	70	0.26	108	3	NQI		008	+17.68	UTE	LTE				154		510UL	04/03 RFO
		0.66	98	P	1	NQI	LTS	-0.07	UTE	LTE				154		510UL	04/03 RFO
74	71	0.65	93	3	NQI		010	+20.50	UTE	LTE				154		510UL	04/03 RFO
		0.76	97	3	NQI		010	+19.36	UTE	LTE				154		510UL	04/03 RFO
		0.31	95	3	NQI		010	+18.05	UTE	LTE				154		510UL	04/03 RFO
74	84	18.05	178	P	1	DNT	LTS	+0.26	UTE	LTE				108		510UL	04/03 RFO
74	85	38.01	190	P	1	DNT	LTS	+0.23	UTE	LTE				107		510UL	04/03 RFO
74	86	50.68	175	P	1	DNT	LTS	+0.17	UTE	LTE				108		510UL	04/03 RFO
74	87	72.66	186	P	1	DNT	LTS	-0.26	UTE	LTE				42		510UL	04/03 RFO
74	88	44.89	185	P	1	DNT	LTS	-0.31	UTE	LTE				42		510UL	04/03 RFO
74	89	30.36	181	P	1	DNT	LTS	-0.13	UTE	LTE				42		510UL	04/03 RFO
74	90	36.00	183	P	1	DNT	LTS	-0.18	UTE	LTE				42		510UL	04/03 RFO
74	91	19.97	185	P	1	DNT	LTS	-0.09	UTE	LTE				42		510UL	04/03 RFO
74	92	7.92	194	P	1	DNT	LTS	+0.00	UTE	LTE				42		510UL	04/03 RFO
74	95	0.38	105	3	NQI		011	+12.69	UTE	LTE				42		510UL	04/03 RFO
		0.48	107	3	NQI		010	+15.20	UTE	LTE				42		510UL	04/03 RFO
		0.42	100	3	NQI		011	+8.34	UTE	LTE				42		510UL	04/03 RFO
74	108	0.62	58	3	NQI		013	+7.32	UTE	LTE				42		510UL	04/03 RFO
74	112	0.34	66	3	NQI		011	+29.59	UTE	LTE				42		510UL	04/03 RFO
74	117	19.37	179	3	DNT		LTE	+10.30	UTE	LTE				56		510UL	04/03 RFO
74	121	0.51	117	3	NQI		012	+1.13	UTE	LTE				55		510UL	04/03 RFO
		0.48	81	3	NQI		001	+25.61	UTE	LTE				55		510UL	04/03 RFO
74	124	1.14	90	3	NQI		008	+32.52	UTE	LTE				56		510UL	04/03 RFO
		0.93	114	P	1	NQI	015	-0.35	UTE	LTE				56		510UL	04/03 RFO
75	4	19.23	180	3	DNT		LTE	+11.46	014	LTE				36		510UL	04/03 RFO
75	7	0.30	82	3	NQI		008	+19.11	014	LTE				35		510UL	04/03 RFO
75	46	14.69	183	3	DNT		LTS	+8.63	UTE	LTE				147		510UL	04/03 RFO
		6.52	177	3	DNT		LTS	+3.53	UTE	LTE				147		510UL	04/03 RFO
		25.99	191	P	1	DNT	LTS	-0.11	UTE	LTE				147		510UL	04/03 RFO
75	53	21.53	13	P	1	BLG	LTE	+6.41	LTE	UTE				11		510UL	04/03 RFO
75	63	7.37	184	P	1	DNT	UTS	+0.09	LTE	UTE				1		510UL	04/03 RFO
75	68	8.47	194	P	1	DNT	LTS	+0.00	UTE	LTE				154		510UL	04/03 RFO
75	69	17.05	189	P	1	DNT	LTS	+0.00	UTE	LTE				154		510UL	04/03 RFO
75	70	7.14	185	P	1	DNT	LTS	+0.00	UTE	LTE				154		510UL	04/03 RFO
75	71	6.11	192	P	1	DNT	LTS	+0.02	UTE	LTE				154		510UL	04/03 RFO
75	84	9.16	183	P	1	DNT	LTS	-0.07	UTE	LTE				108		510UL	04/03 RFO
75	85	25.96	188	P	1	DNT	LTS	+0.37	UTE	LTE				107		510UL	04/03 RFO
75	86	39.00	176	P	1	DNT	LTS	+0.19	UTE	LTE				108		510UL	04/03 RFO
75	88	63.47	186	P	1	DNT	LTS	-0.11	UTE	LTE				42		510UL	04/03 RFO
75	89	34.02	180	P	1	DNT	LTS	+0.05	UTE	LTE				43		510UL	04/03 RFO
75	90	35.76	184	P	1	DNT	LTS	-0.07	UTE	LTE				42		510UL	04/03 RFO
75	91	30.82	176	P	1	DNT	LTS	+0.00	UTE	LTE				43		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
75	92	16.38	185	P	1	DNT	LTS	-0.15	UTE	LTE				42		510UL	04/03 RFO
75	101	0.25	111	3		NQI	012	+3.04	UTE	LTE				43		510UL	04/03 RFO
75	112	0.21	82	3		NQI	010	+2.21	UTE	LTE				42		510UL	04/03 RFO
75	117	16.41	179	3		DNT	LTE	+10.50	UTE	LTE				55		510UL	04/03 RFO
75	123	1.39	64	P	1	NQI	009	-0.76	UTE	LTE				55		510UL	04/03 RFO
75	126	7.39	184	P	1	DNT	015	-0.75	UTE	LTE				56		510UL	04/03 RFO
		1.73	74	P	1	NQI	013	+0.86	UTE	LTE				56		510UL	04/03 RFO
		0.94	112	3		NQI	015	+22.46	UTE	LTE				56		510UL	04/03 RFO
76	64	6.10	189	P	1	DNT	UTS	+0.04	UTE	LTE				158		510UL	04/03 RFO
		15.84	188	P	1	DNT	LTS	+0.41	UTE	LTE				158		510UL	04/03 RFO
76	65	7.25	186	P	1	DNT	UTS	+0.22	UTE	LTE				158		510UL	04/03 RFO
76	68	21.13	190	P	1	DNT	LTS	-0.05	UTE	LTE				158		510UL	04/03 RFO
76	70	16.88	188	P	1	DNT	LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
76	71	8.27	186	P	1	DNT	LTS	+0.02	UTE	LTE				158		510UL	04/03 RFO
76	77	0.53	96	P	1	NQI	UTS	+16.44	UTE	LTE				85		510UL	04/03 RFO
		0.71	95	P	1	NQI	UTS	+17.61	UTE	LTE				85		510UL	04/03 RFO
76	81	0.64	112	P	1	NQI	UTS	+20.48	UTE	LTE				85		510UL	04/03 RFO
76	83	0.70	97	P	1	NQI	UTS	+16.99	UTE	LTE				85		510UL	04/03 RFO
76	84	7.03	180	P	1	DNT	LTS	-0.06	UTE	LTE				85		510UL	04/03 RFO
76	85	33.68	182	P	1	DNT	LTS	+0.22	UTE	LTE				85		510UL	04/03 RFO
76	86	48.92	180	P	1	DNT	LTS	+0.22	LTE	UTE				162		510UL	04/03 RFO
						P	OBS	014	+14.97	014	LTE			86		510UL	04/03 RFO
							ROB		014	LTE				86		510UL	04/03 RFO
		44.94	178	P	1	DNT	LTS	+0.18	014	LTE				86		510UL	04/03 RFO
76	87	67.68	181	P	1	DNT	LTS	+0.11	LTE	UTE				159		510UL	04/03 RFO
		0.47	53	3		NQI	LTS	+39.93	LTE	UTE				159		510UL	04/03 RFO
76	88	82.89	183	P	1	DNT	LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
76	89	34.63	176	P	1	DNT	LTS	+0.15	LTE	UTE				159		510UL	04/03 RFO
76	90	58.76	181	P	1	DNT	LTS	+0.13	LTE	UTE				160		510UL	04/03 RFO
76	92	15.22	176	P	1	DNT	LTS	+0.07	LTE	UTE				159		510UL	04/03 RFO
76	100	0.19	103	3		NQI	013	+24.91	LTE	UTE				160		510UL	04/03 RFO
76	107	0.91	110	P	1	NQI	LTE	+4.51	LTE	UTE				160		510UL	04/03 RFO
76	116	8.78	183	3		DNT	UTS	+12.99	LTE	UTE				160		510UL	04/03 RFO
		15.68	180	3		DNT	LTE	+11.22	LTE	UTE				160		510UL	04/03 RFO
76	117	18.00	181	3		DNT	LTE	+11.00	LTE	UTE				159		510UL	04/03 RFO
		8.18	182	3		DNT	UTS	+12.66	LTE	UTE				159		510UL	04/03 RFO
76	123	0.53	100	3		NQI	015	+9.94	LTE	UTE				160		510UL	04/03 RFO
		0.81	88	P	1	NQI	010	+0.53	LTE	UTE				160		510UL	04/03 RFO
77	1	27.16	176	3		DNT	LTS	+0.73	014	LTE				36		510UL	04/03 RFO
		7.62	184	P	1	DNT	LTS	-0.11	014	LTE				36		510UL	04/03 RFO
77	2	23.43	180	3		DNT	LTE	+11.06	014	LTE				35		510UL	04/03 RFO
		0.53	81	3		NQI	LTS	+26.24	014	LTE				35		510UL	04/03 RFO
77	7	0.77	126	3		NQI	LTS	+26.50	014	LTE				36		510UL	04/03 RFO
		0.36	69	3		NQI	LTS	+26.15	014	LTE				36		510UL	04/03 RFO
77	8	6.01	177	3		DNT	LTE	+5.86	014	LTE				35		510UL	04/03 RFO
		6.71	175	3		DNT	LTE	+10.88	014	LTE				35		510UL	04/03 RFO
77	9	11.78	177	3		DNT	LTS	+2.48	014	LTE				35		510UL	04/03 RFO
		14.06	173	3		DNT	LTS	+2.18	014	LTE				35		510UL	04/03 RFO
77	53	0.31	95	P	1	NQI	006	+0.21	LTE	UTE				11		510UL	04/03 RFO
77	57	0.46	100	P	1	NQI	UTS	+19.71	LTE	UTE				11		510UL	04/03 RFO
77	58	14.51	185	3		DNT	LTE	+2.26	LTE	UTE				9		510UL	04/03 RFO
77	60	6.11	190	P	1	DNT	UTS	+0.05	LTE	UTE				9		510UL	04/03 RFO
		0.62	63	P	1	NQI	004	-0.72	LTE	UTE				9		510UL	04/03 RFO
77	61	7.79	187	P	1	DNT	UTS	+0.07	LTE	UTE				8		510UL	04/03 RFO
		0.35	47	P	1	NQI	LTS	-0.33	LTE	UTE				8		510UL	04/03 RFO
77	62	6.42	188	P	1	DNT	UTS	+0.04	UTE	LTE				158		510UL	04/03 RFO
77	67	0.51	99	3		NQI	010	+8.50	UTE	LTE				158		510UL	04/03 RFO
77	70	24.79	188	P	1	DNT	LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
77	71	33.32	188	P	1	DNT	LTS	+0.02	UTE	LTE				158		510UL	04/03 RFO
77	75	0.63	114	P	1	NQI	UTS	+20.05	UTE	LTE				85		510UL	04/03 RFO
77	79	0.44	112	3		NQI	011	+16.44	UTE	LTE				85		510UL	04/03 RFO
		0.33	97	3		NQI	011	+16.05	UTE	LTE				85		510UL	04/03 RFO
		0.53	99	3		NQI	011	+14.05	UTE	LTE				85		510UL	04/03 RFO
77	84	7.68	196	P	1	DNT	LTS	+0.00	UTE	LTE				85		510UL	04/03 RFO
77	85	17.69	180	P	1	DNT	LTS	+0.29	UTE	LTE				86		510UL	04/03 RFO
		2.54	106	P	1	NQI	LTS	-0.04	UTE	LTE				86		510UL	04/03 RFO
77	86	55.11	182	P	1	DNT	LTS	+0.28	UTE	LTE				85		510UL	04/03 RFO
77	87	57.91	179	P	1	DNT	LTS	+0.13	UTE	LTE				86		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
77	88	77.19	181	P	1	DNT	LTS	+0.15	LTE	UTE				159		510UL	04/03 RFO
77	89	43.61	179	P	1	DNT	LTS	+0.13	LTE	UTE				159		510UL	04/03 RFO
77	90	49.54	181	P	1	DNT	LTS	+0.18	LTE	UTE				160		510UL	04/03 RFO
77	91	59.56	181	P	1	DNT	LTS	+0.11	LTE	UTE				159		510UL	04/03 RFO
77	92	27.64	180	P	1	DNT	LTS	+0.02	LTE	UTE				160		510UL	04/03 RFO
77	93	8.90	179	P	1	DNT	LTS	+0.00	LTE	UTE				159		510UL	04/03 RFO
77	99	0.53	115	3		NQI	010	+20.11	LTE	UTE				159		510UL	04/03 RFO
		0.68	112	3		NQI	011	+29.98	LTE	UTE				159		510UL	04/03 RFO
		0.36	114	3		NQI	010	+15.29	LTE	UTE				159		510UL	04/03 RFO
		0.41	116	3		NQI	009	+15.05	LTE	UTE				159		510UL	04/03 RFO
		0.46	89	3		NQI	011	+16.00	LTE	UTE				159		510UL	04/03 RFO
77	106	1.05	56	3		NQI	002	+13.50	LTE	UTE				160		510UL	04/03 RFO
77	112	0.54	134	3		NQI	012	+31.03	LTE	UTE				160		510UL	04/03 RFO
77	114	0.87	36	P	1	NQI	011	+0.78	LTE	UTE				160		510UL	04/03 RFO
		0.42	104	3		NQI	012	+22.02	LTE	UTE				160		510UL	04/03 RFO
77	123	0.40	64	P	1	NQI	010	-0.47	LTE	UTE				160		510UL	04/03 RFO
77	125	1.02	85	P	1	NQI	015	+0.02	LTE	UTE				160		510UL	04/03 RFO
		0.77	68	P	1	NQI	014	+0.76	LTE	UTE				160		510UL	04/03 RFO
		0.86	101	P	1	NQI	009	+0.02	LTE	UTE				160		510UL	04/03 RFO
		0.51	113	P	1	NQI	007	-0.56	LTE	UTE				160		510UL	04/03 RFO
		0.46	83	P	1	NQI	006	-0.49	LTE	UTE				160		510UL	04/03 RFO
78	2	18.86	178	3		DNT	LTE	+10.77	014	LTE				35		510UL	04/03 RFO
78	11	0.39	95	3		NQI	005	+32.67	014	LTE				35		510UL	04/03 RFO
78	12	7.99	189	3		DNT	012	+29.03	014	LTE				36		510UL	04/03 RFO
78	26	0.77	103	P	1	NQI	LTE	+5.74	014	LTE				36		510UL	04/03 RFO
78	34	0.49	90	3		NQI	014	+20.17	014	LTE				36		510UL	04/03 RFO
78	40	0.39	88	P	1	NQI	011	-0.84	014	LTE				36		510UL	04/03 RFO
78	43	7.58	189	P	1	DNT	UTS	+0.07	UTE	LTE				147		510UL	04/03 RFO
78	50	6.33	182	P	1	DNT	UTS	+0.09	LTE	UTE				11		510UL	04/03 RFO
78	51	6.03	188	P	1	DNT	UTS	+0.00	LTE	UTE				10		510UL	04/03 RFO
		0.38	123	P	1	NQI	014	-0.56	LTE	UTE				10		510UL	04/03 RFO
78	52	0.29	85	3		NQI	013	+4.19	LTE	UTE				11		510UL	04/03 RFO
		6.58	182	P	1	DNT	UTS	+0.05	LTE	UTE				11		510UL	04/03 RFO
78	53	6.01	185	P	1	DNT	UTS	+0.00	LTE	UTE				10		510UL	04/03 RFO
78	54	6.15	179	P	1	DNT	UTS	+0.07	LTE	UTE				11		510UL	04/03 RFO
78	55	6.48	186	P	1	DNT	UTS	+0.20	LTE	UTE				10		510UL	04/03 RFO
78	58	6.84	185	P	1	DNT	UTS	+0.07	LTE	UTE				8		510UL	04/03 RFO
78	59	6.23	183	P	1	DNT	UTS	+0.00	LTE	UTE				9		510UL	04/03 RFO
78	60	0.57	127	3		NQI	008	+29.82	LTE	UTE				8		510UL	04/03 RFO
		0.34	130	3		NQI	008	+30.24	LTE	UTE				8		510UL	04/03 RFO
		6.40	184	P	1	DNT	UTS	+0.04	LTE	UTE				8		510UL	04/03 RFO
78	61	6.87	185	P	1	DNT	UTS	+0.04	UTE	LTE				150		510UL	04/03 RFO
78	63	0.43	75	3		NQI	015	+43.72	UTE	LTE				158		510UL	04/03 RFO
		0.39	114	3		NQI	015	+43.17	UTE	LTE				158		510UL	04/03 RFO
78	65	9.75	184	3		DNT	LTE	+3.43	UTE	LTE				158		510UL	04/03 RFO
		6.87	183	3		DNT	LTE	+1.93	UTE	LTE				158		510UL	04/03 RFO
78	66	0.39	106	3		NQI	012	+29.64	UTE	LTE				158		510UL	04/03 RFO
		0.38	103	3		NQI	011	+32.38	UTE	LTE				158		510UL	04/03 RFO
		0.31	105	3		NQI	011	+32.13	UTE	LTE				158		510UL	04/03 RFO
		0.39	115	3		NQI	011	+33.38	UTE	LTE				158		510UL	04/03 RFO
78	69	0.31	108	3		NQI	010	+21.98	UTE	LTE				158		510UL	04/03 RFO
		11.33	193	P	1	DNT	LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
78	71	23.24	190	P	1	DNT	LTS	+0.02	UTE	LTE				158		510UL	04/03 RFO
78	72	8.33	188	P	1	DNT	LTS	+0.09	UTE	LTE				158		510UL	04/03 RFO
78	85	10.33	184	P	1	DNT	LTS	-0.09	UTE	LTE				86		510UL	04/03 RFO
78	86	25.21	179	P	1	DNT	LTS	+0.20	UTE	LTE				85		510UL	04/03 RFO
78	87	53.64	180	P	1	DNT	LTS	+0.13	UTE	LTE				86		510UL	04/03 RFO
78	88	58.64	180	P	1	DNT	LTS	+0.13	LTE	UTE				159		510UL	04/03 RFO
78	90	45.51	180	P	1	DNT	LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
78	92	0.46	71	3		NQI	015	+27.54	LTE	UTE				159		510UL	04/03 RFO
		35.92	179	P	1	DNT	LTS	+0.00	LTE	UTE				159		510UL	04/03 RFO
78	93	17.29	180	P	1	DNT	LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
78	101	1.49	84	P	1	TWD	34 014	+1.23	LTE	UTE				160		510UL	04/03 RFO
78	102	6.82	176	3		DNT	LTE	+10.21	LTE	UTE				159		510UL	04/03 RFO
78	105	0.38	119	3		NQI	014	+4.25	LTE	UTE				160		510UL	04/03 RFO
78	116	0.59	104	3		NQI	014	+1.35	LTE	UTE				159		510UL	04/03 RFO
78	125	1.05	65	P	1	NQI	015	+0.02	LTE	UTE				160		510UL	04/03 RFO
		7.34	178	P	1	DNT	009	-0.35	LTE	UTE				160		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
79	6	0.64	47	P	1	NQI	008	-0.47	LTE	UTE				160		510UL	04/03 RFO
		2.89	91	P	1	NQI	014	-0.80	014	LTE				35		510UL	04/03 RFO
		1.84	89	P	1	NQI	013	-0.78	014	LTE				35		510UL	04/03 RFO
		0.93	104	P	1	NQI	012	-0.50	014	LTE				35		510UL	04/03 RFO
		9.67	174	3		DNT	LTE	+10.95	014	LTE				35		510UL	04/03 RFO
79	8	6.08	174	3		DNT	LTE	+11.22	014	LTE				36		510UL	04/03 RFO
79	10	6.21	175	3		DNT	LTE	+10.78	014	LTE				36		510UL	04/03 RFO
		7.75	176	3		DNT	LTE	+6.17	014	LTE				36		510UL	04/03 RFO
79	11	6.07	175	3		DNT	LTE	+6.42	014	LTE				35		510UL	04/03 RFO
		6.17	176	3		DNT	LTE	+11.00	014	LTE				35		510UL	04/03 RFO
79	12	10.71	182	P	1	DNT	014	+0.49	014	LTE				36		510UL	04/03 RFO
79	14	0.40	88	P	1	NQI	009	+0.47	014	LTE				36		510UL	04/03 RFO
79	16	18.28	183	P	1	DNT	014	+0.38	014	LTE				36		510UL	04/03 RFO
79	44	6.86	194	P	1	DNT	UTS	+0.04	UTE	LTE				147		510UL	04/03 RFO
79	49	1.27	70	P	1	NQI	009	-0.66	UTE	LTE				147		510UL	04/03 RFO
79	50	0.48	73	3		NQI	011	+16.74	LTE	UTE				10		510UL	04/03 RFO
79	51	6.29	184	P	1	DNT	UTS	+0.09	LTE	UTE				11		510UL	04/03 RFO
79	63	0.47	100	3		NQI	014	+14.93	UTE	LTE				158		510UL	04/03 RFO
		0.42	103	3		NQI	013	+29.26	UTE	LTE				158		510UL	04/03 RFO
		0.35	87	3		NQI	013	+19.11	UTE	LTE				158		510UL	04/03 RFO
		0.28	62	3		NQI	013	+16.48	UTE	LTE				158		510UL	04/03 RFO
		0.55	92	3		NQI	015	+32.47	UTE	LTE				158		510UL	04/03 RFO
79	64	0.50	102	3		NQI	014	+31.49	UTE	LTE				158		510UL	04/03 RFO
		0.55	103	3		NQI	013	+32.71	UTE	LTE				158		510UL	04/03 RFO
								TO+37.88									
								TO+33.77									
								TO+34.40									
79	72	6.06	197	P	1	DNT	LTS	-0.07	UTE	LTE				158		510UL	04/03 RFO
79	73	10.11	192	P	1	DNT	LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
79	74	11.49	189	P	1	DNT	LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
79	75	6.99	189	P	1	DNT	LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
79	85	0.74	96	P	1	NQI	UTS	+16.71	UTE	LTE				85		510UL	04/03 RFO
79	87	0.69	110	P	1	NQI	LTE	+1.97	UTE	LTE				85		510UL	04/03 RFO
79	88	7.90	181	3		DNT	006	+17.60	UTE	LTE				86		510UL	04/03 RFO
		10.63	177	3		DNT	LTS	+0.87	UTE	LTE				86		510UL	04/03 RFO
		7.34	190	P	1	DNT	LTS	-0.18	UTE	LTE				86		510UL	04/03 RFO
79	89	12.77	176	3		DNT	LTS	+0.99	UTE	LTE				85		510UL	04/03 RFO
		15.24	179	P	1	DNT	LTS	+0.11	UTE	LTE				85		510UL	04/03 RFO
79	90	37.50	179	P	1	DNT	LTS	+0.15	UTE	LTE				86		510UL	04/03 RFO
79	91	47.81	181	P	1	DNT	LTS	+0.20	UTE	LTE				85		510UL	04/03 RFO
		1.32	34	P	1	NQI	001	-0.87	UTE	LTE				85		510UL	04/03 RFO
79	92	59.06	180	P	1	DNT	LTS	+0.11	LTE	UTE				159		510UL	04/03 RFO
79	93	23.14	175	P	1	DNT	LTS	+0.13	LTE	UTE				159		510UL	04/03 RFO
79	94	52.43	182	P	1	DNT	LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
79	96	24.09	178	P	1	DNT	LTS	+0.07	LTE	UTE				159		510UL	04/03 RFO
79	97	7.91	180	P	1	DNT	LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
79	102	0.66	118	3		NQI	010	+10.72	LTE	UTE				160		510UL	04/03 RFO
		0.54	109	3		NQI	011	+11.37	LTE	UTE				160		510UL	04/03 RFO
		11.87	182	3		DNT	002	+34.87	LTE	UTE				160		510UL	04/03 RFO
79	108	0.29	88	3		NQI	010	+14.84	LTE	UTE				160		510UL	04/03 RFO
79	114	0.56	41	3		NQI	LTS	+32.57	LTE	UTE				160		510UL	04/03 RFO
79	117	1.56	102	3		NQI	006	+27.76	LTE	UTE				159		510UL	04/03 RFO
79	118	0.51	56	P	1	NQI	015	+0.45	LTE	UTE				160		510UL	04/03 RFO
79	127	1.33	109	P	1	NQI	014	+0.69	LTE	UTE				160		510UL	04/03 RFO
79	129	10.84	191	P	1	DNT	UTS	+0.05	LTE	UTE				160		510UL	04/03 RFO
80	1	0.51	89	3		NQI	013	+17.57	014	LTE				36		510UL	04/03 RFO
		0.60	90	3		NQI	007	+5.33	014	LTE				36		510UL	04/03 RFO
80	5	0.84	63	P	1	NQI	014	+0.60	014	LTE				35		510UL	04/03 RFO
		0.71	110	P	1	NQI	013	-0.78	014	LTE				35		510UL	04/03 RFO
		2.95	95	P	1	NQI	012	-0.76	014	LTE				35		510UL	04/03 RFO
		0.50	9	P	1	NQI	013	+0.26	014	LTE				35		510UL	04/03 RFO
80	8	0.78	89	P	1	NQI	004	-0.82	014	LTE				35		510UL	04/03 RFO
		0.61	80	P	1	NQI	014	-0.82	014	LTE				35		510UL	04/03 RFO
80	9	0.40	78	3		NQI	010	+27.84	014	LTE				36		510UL	04/03 RFO
		0.33	76	P	1	NQI	014	-0.44	014	LTE				36		510UL	04/03 RFO
		1.00	112	P	1	NQI	014	-0.86	014	LTE				36		510UL	04/03 RFO
		0.22	94	3		NQI	001	+3.37	014	LTE				36		510UL	04/03 RFO
		0.40	93	3		NQI	010	+23.37	014	LTE				36		510UL	04/03 RFO
80	10	0.73	101	P	1	NQI	014	-0.67	014	LTE				35		510UL	04/03 RFO
80	12	0.79	88	P	1	NQI	014	-0.56	014	LTE				35		510UL	04/03 RFO
		0.38	63	P	1	NQI	013	-0.37	014	LTE				35		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
80	13	1.23	97	P	1	NQI	014	-0.49	014	LTE				36		510UL	04/03 RFO
		0.57	70	P	1	NQI	012	+0.42	014	LTE				36		510UL	04/03 RFO
80	16	0.46	78	P	1	NQI	014	+0.63	014	LTE				35		510UL	04/03 RFO
80	18	0.58	99	P	1	NQI	014	+0.45	014	LTE				35		510UL	04/03 RFO
80	19	1.04	101	3		NQI	015	+20.74	UTE	LTE				14		510UL	04/03 RFO
80	20	1.47	129	3		NQI	015	+20.21	UTE	LTE				15		510UL	04/03 RFO
80	21	2.07	127	3		NQI	015	+19.84	UTE	LTE				14		510UL	04/03 RFO
80	22	2.97	129	3		NQI	015	+19.77	UTE	LTE				15		510UL	04/03 RFO
		0.77	105	3		NQI	015	+20.72	UTE	LTE				15		510UL	04/03 RFO
		0.26	95	P	1	NQI	014	+0.52	UTE	LTE				15		510UL	04/03 RFO
80	23	2.58	120	3		NQI	015	+19.20	UTE	LTE				14		510UL	04/03 RFO
80	24	2.97	124	3		NQI	015	+18.64	UTE	LTE				15		510UL	04/03 RFO
		0.92	74	P	1	NQI	UTS	+0.13	UTE	LTE				15		510UL	04/03 RFO
80	25	3.62	123	3		NQI	015	+18.21	UTE	LTE				14		510UL	04/03 RFO
80	26	2.78	113	3		NQI	015	+17.34	UTE	LTE				14		510UL	04/03 RFO
80	28	1.64	120	3		NQI	015	+15.85	UTE	LTE				15		510UL	04/03 RFO
80	29	1.56	114	3		NQI	015	+16.33	UTE	LTE				14		510UL	04/03 RFO
		0.50	124	P	1	NQI	015	+0.67	UTE	LTE				14		510UL	04/03 RFO
80	32	1.26	118	3		NQI	015	+15.74	UTE	LTE				151		510UL	04/03 RFO
		0.83	127	3		NQI	015	+14.67	UTE	LTE				151		510UL	04/03 RFO
80	33	0.59	91	3		NQI	011	+11.95	UTE	LTE				41		510UL	04/03 RFO
		1.43	124	3		NQI	015	+15.74	UTE	LTE				41		510UL	04/03 RFO
80	34	0.86	113	3		NQI	015	+15.23	UTE	LTE				40		510UL	04/03 RFO
		0.92	134	3		NQI	015	+14.82	UTE	LTE				40		510UL	04/03 RFO
		1.46	121	3		NQI	015	+13.23	UTE	LTE				40		510UL	04/03 RFO
		0.54	129	3		NQI	015	+14.07	UTE	LTE				40		510UL	04/03 RFO
		0.94	136	3		NQI	011	+11.10	UTE	LTE				40		510UL	04/03 RFO
80	35	0.62	77	P	1	NQI	014	-0.71	UTE	LTE				41		510UL	04/03 RFO
		0.92	112	3		NQI	015	+14.42	UTE	LTE				41		510UL	04/03 RFO
		0.53	103	3		NQI	015	+13.43	UTE	LTE				41		510UL	04/03 RFO
80	36	2.21	114	3		NQI	015	+13.34	UTE	LTE				40		510UL	04/03 RFO
		0.45	88	3		NQI	011	+5.55	UTE	LTE				40		510UL	04/03 RFO
		0.31	71	P	1	NQI	012	+0.48	UTE	LTE				40		510UL	04/03 RFO
80	37	1.36	75	6		ADI	015	+14.93	UTE	LTE				41		510UL	04/03 RFO
		0.41	98	P	1	NQI	014	-0.58	UTE	LTE				41		510UL	04/03 RFO
		0.30	85	P	1	NQI	014	-0.27	UTE	LTE				41		510UL	04/03 RFO
		0.71	74	P	1	NQI	014	+0.49	UTE	LTE				41		510UL	04/03 RFO
80	38	0.93	120	3		NQI	015	+14.43	UTE	LTE				40		510UL	04/03 RFO
		0.46	129	P	1	NQI	012	-0.50	UTE	LTE				40		510UL	04/03 RFO
80	39	0.48	102	P	1	NQI	014	-0.69	UTE	LTE				41		510UL	04/03 RFO
		2.40	102	3		NQI	015	+14.60	UTE	LTE				41		510UL	04/03 RFO
80	40	0.55	103	3		NQI	015	+14.86	UTE	LTE				40		510UL	04/03 RFO
80	41	0.39	99	3		NQI	015	+15.46	UTE	LTE				147		510UL	04/03 RFO
		6.02	188	P	1	DNT	UTS	+0.04	UTE	LTE				147		510UL	04/03 RFO
		0.60	88	P	1	NQI	UTS	+17.10	UTE	LTE				147		510UL	04/03 RFO
80	42	0.66	56	P	1	NQI	014	-0.70	UTE	LTE				147		510UL	04/03 RFO
80	43	6.26	184	P	1	DNT	UTS	+0.00	UTE	LTE				147		510UL	04/03 RFO
80	46	1.44	56	P	1	NQI	009	-0.68	UTE	LTE				147		510UL	04/03 RFO
80	48	0.64	61	P	1	NQI	009	-0.71	UTE	LTE				147		510UL	04/03 RFO
80	49	0.48	72	P	1	NQI	005	+0.56	LTE	UTE				10		510UL	04/03 RFO
		0.61	68	P	1	NQI	009	-0.67	LTE	UTE				10		510UL	04/03 RFO
80	50	0.34	94	P	1	NQI	009	+0.78	LTE	UTE				11		510UL	04/03 RFO
		0.51	83	P	1	NQI	009	-0.68	LTE	UTE				11		510UL	04/03 RFO
80	52	6.35	183	P	1	DNT	UTS	+0.07	LTE	UTE				11		510UL	04/03 RFO
80	53	0.35	87	P	1	NQI	008	-0.58	LTE	UTE				10		510UL	04/03 RFO
		0.38	112	P	1	NQI	008	+0.60	LTE	UTE				10		510UL	04/03 RFO
80	55	0.49	62	P	1	NQI	009	-0.69	LTE	UTE				10		510UL	04/03 RFO
80	57	6.11	187	P	1	DNT	UTS	-0.07	LTE	UTE				9		510UL	04/03 RFO
80	59	0.54	93	3		NQI	010	+23.49	LTE	UTE				9		510UL	04/03 RFO
80	62	0.48	92	3		NQI	015	+44.42	UTE	LTE				158		510UL	04/03 RFO
		0.31	115	3		NQI	015	+43.74	UTE	LTE				158		510UL	04/03 RFO
		0.39	95	3		NQI	015	+34.99	UTE	LTE				158		510UL	04/03 RFO
80	63	0.35	85	3		NQI	015	+44.73	UTE	LTE				158		510UL	04/03 RFO
80	74	0.64	124	3		NQI	011	+30.00	UTE	LTE				158		510UL	04/03 RFO
		8.14	197	P	1	DNT	LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
80	75	9.66	188	P	1	DNT	LTS	+0.02	UTE	LTE				158		510UL	04/03 RFO
80	83	0.76	96	P	1	NQI	004	-0.84	UTE	LTE				87		510UL	04/03 RFO
80	88	0.55	103	3		NQI	007	+30.44	UTE	LTE				88		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
80	89	8.04	180	3	DNT		LTS	+0.85	UTE	LTE				87		510UL	04/03 RFO
80	90	20.66	178	3	DNT		LTS	+0.89	UTE	LTE				88		510UL	04/03 RFO
80	91	25.09	176	P 1	DNT		LTS	+0.15	UTE	LTE				87		510UL	04/03 RFO
80	92	39.52	179	P 1	DNT		LTS	+0.18	UTE	LTE				88		510UL	04/03 RFO
80	93	62.59	180	P 1	DNT		LTS	+0.15	LTE	UTE				159		510UL	04/03 RFO
80	94	48.66	181	P 1	DNT		LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
80	96	56.76	181	P 1	DNT		LTS	+0.15	LTE	UTE				159		510UL	04/03 RFO
80	97	57.38	182	P 1	DNT		LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
80	98	12.94	180	P 1	DNT		LTS	+0.04	LTE	UTE				159		510UL	04/03 RFO
		0.32	84	3	NQI		013	+8.66	LTE	UTE				159		510UL	04/03 RFO
		0.37	113	3	NQI		015	+7.34	LTE	UTE				159		510UL	04/03 RFO
80	99	7.99	181	P 1	DNT		LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
80	115				OBS				UTE	UTE				159		510UL	04/03 RFO
					OBS		UTS	+23.00	UTS	LTE				165		510UL	04/03 RFO
					ROB				UTS	LTE				165		510UL	04/03 RFO
80	130	0.57	115	P 1	NQI		010	+0.57	LTE	UTE				159		510UL	04/03 RFO
		0.78	82	3	NQI		015	+33.77	LTE	UTE				159		510UL	04/03 RFO
80	131	14.66	16	P 1	NQI		UTS	-0.11	LTE	UTE				160		510UL	04/03 RFO
		1.87	136	3	NQI		015	+10.03 TO+32.15	LTE	UTE				160		510UL	04/03 RFO
		10.83	194	P 1	DNT		UTS	+0.05	LTE	UTE				160		510UL	04/03 RFO
		7.82	178	P 1	DNT		015	+0.81	LTE	UTE				160		510UL	04/03 RFO
81	4	3.27	89	P 1	NQI		013	-0.74	014	LTE				35		510UL	04/03 RFO
		0.90	101	P 1	NQI		012	-0.65	014	LTE				35		510UL	04/03 RFO
		0.41	72	P 1	NQI		010	-0.61	014	LTE				35		510UL	04/03 RFO
81	5	0.77	131	3	NQI		011	+1.35	014	LTE				36		510UL	04/03 RFO
		0.41	94	3	NQI		010	+33.96	014	LTE				36		510UL	04/03 RFO
81	6	1.09	98	P 1	NQI		012	-0.69	014	LTE				35		510UL	04/03 RFO
		0.68	47	P 1	NQI		013	+0.30	014	LTE				35		510UL	04/03 RFO
81	7	0.72	119	3	NQI		011	+1.80	014	LTE				36		510UL	04/03 RFO
		1.69	125	3	NQI		011	+1.11	014	LTE				36		510UL	04/03 RFO
81	9	1.58	98	P 1	NQI		013	-0.80	014	LTE				36		510UL	04/03 RFO
		0.56	116	P 1	NQI		014	-0.82	014	LTE				36		510UL	04/03 RFO
		0.53	86	P 1	NQI		012	-0.73	014	LTE				36		510UL	04/03 RFO
81	10	1.73	101	P 1	NQI		013	-0.82	014	LTE				35		510UL	04/03 RFO
81	11	2.34	98	P 1	NQI		013	-0.80	014	LTE				35		510UL	04/03 RFO
		0.37	85	P 1	NQI		005	-0.80	014	LTE				35		510UL	04/03 RFO
81	13	0.91	119	3	NQI		015	+23.59	UTE	LTE				14		510UL	04/03 RFO
		1.23	99	P 1	NQI		013	-0.81	UTE	LTE				14		510UL	04/03 RFO
		0.60	100	P 1	NQI		014	-0.77	UTE	LTE				14		510UL	04/03 RFO
		0.39	81	3	NQI		015	+31.82	UTE	LTE				14		510UL	04/03 RFO
81	14	0.71	91	P 1	NQI		013	-0.77	UTE	LTE				15		510UL	04/03 RFO
		0.52	103	P 1	NQI		014	-0.79	UTE	LTE				15		510UL	04/03 RFO
81	15	1.11	135	3	NQI		015	+24.63	UTE	LTE				14		510UL	04/03 RFO
		0.55	89	3	NQI		011	+13.20	UTE	LTE				14		510UL	04/03 RFO
81	17	0.55	130	3	NQI		015	+24.34	UTE	LTE				15		510UL	04/03 RFO
81	19	0.60	127	3	NQI		015	+23.75	UTE	LTE				15		510UL	04/03 RFO
		0.31	65	3	NQI		015	+23.32	UTE	LTE				15		510UL	04/03 RFO
81	22	0.65	110	3	NQI		011	+13.83	UTE	LTE				14		510UL	04/03 RFO
		0.38	102	3	NQI		005	+32.25	UTE	LTE				14		510UL	04/03 RFO
81	23	0.62	124	3	NQI		015	+22.03	UTE	LTE				15		510UL	04/03 RFO
81	24	0.56	109	3	NQI		015	+21.68	UTE	LTE				14		510UL	04/03 RFO
81	26	0.32	92	P 1	NQI		015	+0.54	UTE	LTE				14		510UL	04/03 RFO
81	28	0.45	106	3	NQI		015	+18.54	UTE	LTE				14		510UL	04/03 RFO
		0.40	116	3	NQI		015	+24.65	UTE	LTE				14		510UL	04/03 RFO
81	29	0.33	80	P 1	NQI		014	+0.43	UTE	LTE				15		510UL	04/03 RFO
		0.52	106	3	NQI		015	+18.91	UTE	LTE				15		510UL	04/03 RFO
81	30	0.63	113	3	NQI		015	+18.44	UTE	LTE				14		510UL	04/03 RFO
		0.51	91	P 1	NQI		015	+0.59	UTE	LTE				14		510UL	04/03 RFO
81	32	0.62	58	3	NQI		010	+12.31	UTE	LTE				40		510UL	04/03 RFO
81	33	0.70	120	3	NQI		010	+13.94	UTE	LTE				40		510UL	04/03 RFO
		1.11	139	3	NQI		010	+10.34	UTE	LTE				40		510UL	04/03 RFO
81	35	0.67	134	3	NQI		010	+12.83	UTE	LTE				40		510UL	04/03 RFO
81	37	0.64	106	P 1	NQI		014	+0.33	UTE	LTE				40		510UL	04/03 RFO
		0.50	101	P 1	NQI		014	+0.02	UTE	LTE				40		510UL	04/03 RFO
81	38	0.45	102	P 1	NQI		010	+0.55	UTE	LTE				41		510UL	04/03 RFO
		0.55	122	3	NQI		010	+11.60	UTE	LTE				41		510UL	04/03 RFO
81	39	0.46	77	3	NQI		010	+8.74	UTE	LTE				40		510UL	04/03 RFO
81	40	0.54	90	P 1	NQI		008	+0.60	UTE	LTE				41		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
81	42	1.34	80	P	1	NQI	010	+0.47	UTE	LTE				41		510UL	04/03 RFO
81	42	0.98	98	P	1	NQI	009	-0.68	UTE	LTE				147		510UL	04/03 RFO
81	45	1.02	123	P	1	NQI	010	+0.50	UTE	LTE				147		510UL	04/03 RFO
81	46	0.77	140	P	1	NQI	009	-0.66	UTE	LTE				147		510UL	04/03 RFO
		0.86	60	P	1	NQI	009	+0.46	UTE	LTE				147		510UL	04/03 RFO
81	47	0.56	73	P	1	NQI	008	-0.50	UTE	LTE				146		510UL	04/03 RFO
		1.16	74	P	1	NQI	009	-0.79	UTE	LTE				146		510UL	04/03 RFO
81	48	0.71	137	P	1	NQI	008	+0.54	UTE	LTE				146		510UL	04/03 RFO
		1.32	80	P	1	NQI	009	-0.68	UTE	LTE				146		510UL	04/03 RFO
81	50	0.41	56	P	1	NQI	009	-0.67	LTE	UTE				10		510UL	04/03 RFO
81	51	0.41	85	P	1	NQI	UTS	+16.46	LTE	UTE				11		510UL	04/03 RFO
81	54	0.57	102	P	1	NQI	008	-0.47	LTE	UTE				10		510UL	04/03 RFO
81	55	0.67	82	P	1	NQI	009	-0.68	LTE	UTE				11		510UL	04/03 RFO
		0.76	73	P	1	NQI	008	+0.68	LTE	UTE				11		510UL	04/03 RFO
		0.82	83	P	1	NQI	008	-0.63	LTE	UTE				11		510UL	04/03 RFO
		0.75	81	P	1	NQI	007	-0.63	LTE	UTE				11		510UL	04/03 RFO
81	56	0.76	67	P	1	NQI	009	-0.73	LTE	UTE				10		510UL	04/03 RFO
		0.91	81	P	1	NQI	008	-0.70	LTE	UTE				10		510UL	04/03 RFO
		1.58	87	P	1	NQI	007	-0.50	LTE	UTE				10		510UL	04/03 RFO
		0.69	95	P	1	NQI	007	+0.64	LTE	UTE				10		510UL	04/03 RFO
		0.93	52	P	1	NQI	005	+0.61	LTE	UTE				10		510UL	04/03 RFO
		0.56	63	P	1	NQI	008	+0.73	LTE	UTE				10		510UL	04/03 RFO
81	57	0.92	69	P	1	NQI	005	+0.63	LTE	UTE				11		510UL	04/03 RFO
81	59	1.09	79	P	1	NQI	005	+0.71	LTE	UTE				8		510UL	04/03 RFO
81	60	0.45	113	3		NQI	013	+31.18	LTE	UTE				9		510UL	04/03 RFO
81	62	0.57	82	3		NQI	010	+32.06	UTE	LTE				158		510UL	04/03 RFO
81	63	0.78	100	3		NQI	015	+11.68	UTE	LTE	TO+44.85			158		510UL	04/03 RFO
81	73	10.08	193	P	1	DNT	LTS	+0.02	UTE	LTE				158		510UL	04/03 RFO
81	86	0.50	128	3		NQI	006	+24.12	UTE	LTE				88		510UL	04/03 RFO
81	88	7.94	182	3		DNT	LTS	+0.88	UTE	LTE				88		510UL	04/03 RFO
81	89	8.33	178	3		DNT	LTS	+0.89	UTE	LTE				87		510UL	04/03 RFO
81	90	13.32	180	P	1	DNT	LTS	+0.27	UTE	LTE				88		510UL	04/03 RFO
81	92	50.66	180	P	1	DNT	LTS	+0.00	UTE	LTE				87		510UL	04/03 RFO
81	93	52.34	180	P	1	DNT	LTS	+0.11	LTE	UTE				159		510UL	04/03 RFO
		0.76	101	P	1	NQI	014	+1.15	LTE	UTE				159		510UL	04/03 RFO
81	94	30.29	179	P	1	DNT	LTS	+0.00	LTE	UTE				160		510UL	04/03 RFO
		0.70	102	3		NQI	008	+34.54	LTE	UTE				160		510UL	04/03 RFO
		0.76	112	3		NQI	008	+34.99	LTE	UTE				160		510UL	04/03 RFO
81	96	55.59	179	P	1	DNT	LTS	+0.11	LTE	UTE				159		510UL	04/03 RFO
81	98	8.00	179	P	1	DNT	LTS	-0.02	LTE	UTE				159		510UL	04/03 RFO
81	120	2.16	95	P	1	NQI	014	+0.69	LTE	UTE				159		510UL	04/03 RFO
81	123	0.62	100	3		NQI	011	+22.97	LTE	UTE	TO+36.38			160		510UL	04/03 RFO
		1.22	100	3		NQI	012	+15.14	LTE	UTE	TO+35.79			160		510UL	04/03 RFO
		1.16	110	3		NQI	013	+17.17	LTE	UTE	TO+34.97			160		510UL	04/03 RFO
		1.02	123	3		NQI	014	+6.55	LTE	UTE	TO+33.90			160		510UL	04/03 RFO
		0.44	85	3		NQI	015	+5.49	LTE	UTE	TO+24.98			160		510UL	04/03 RFO
81	130	0.56	98	P	1	NQI	013	+0.88	LTE	UTE				160		510UL	04/03 RFO
		0.54	139	3		NQI	013	+1.15	LTE	UTE				160		510UL	04/03 RFO
		1.60	108	P	1	NQI	015	+0.39	LTE	UTE				160		510UL	04/03 RFO
		0.39	101	3		NQI	015	+6.75	LTE	UTE				160		510UL	04/03 RFO
		1.81	42	3		NQI	015	+34.48	LTE	UTE				160		510UL	04/03 RFO
		1.27	105	3		TWD	23 015	+33.95	LTE	UTE				160		510UL	04/03 RFO
82	1	0.50	65	P	1	NQI	011	+0.62	014	LTE				36		510UL	04/03 RFO
82	2	0.49	121	P	1	NQI	012	-0.65	014	LTE				35		510UL	04/03 RFO
82	5	1.21	127	3		NQI	010	+34.11	014	LTE				36		510UL	04/03 RFO
		1.05	119	3		NQI	010	+33.65	014	LTE				36		510UL	04/03 RFO
82	6	2.01	116	3		NQI	011	+1.13	014	LTE				35		510UL	04/03 RFO
		0.34	82	P	1	NQI	010	+0.00	014	LTE				35		510UL	04/03 RFO
		0.53	84	P	1	NQI	012	-0.67	014	LTE				35		510UL	04/03 RFO
82	8	0.92	134	3		NQI	011	+2.33	014	LTE				36		510UL	04/03 RFO
		0.50	93	3		NQI	011	+1.82	014	LTE				36		510UL	04/03 RFO
82	9	0.63	70	P	1	NQI	013	+0.62	014	LTE				35		510UL	04/03 RFO
		1.42	103	P	1	NQI	011	+0.71	014	LTE				35		510UL	04/03 RFO
82	10	0.57	108	3		NQI	011	+8.57	UTE	LTE				14		510UL	04/03 RFO
82	27	0.57	63	3		NQI	010	+11.47	UTE	LTE				14		510UL	04/03 RFO
82	32	0.60	79	P	1	NQI	010	+0.56	UTE	LTE				40		510UL	04/03 RFO
82	33	0.44	78	P	1	NQI	010	+0.42	UTE	LTE				41		510UL	04/03 RFO
82	34	5.51	177	P	1	NQI	UTS	+0.00	UTE	LTE				40		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
82	35	6.45	176	P	1	DNT	UTS	+0.00	UTE	LTE				41		510UL	04/03 RFO
82	38	1.34	131	3	NQI		014	+17.78	UTE	LTE				40		510UL	04/03 RFO
		0.53	96	P	1	NQI	010	+0.52	UTE	LTE				40		510UL	04/03 RFO
82	40	0.30	69	P	1	NQI	010	+0.35	UTE	LTE				40		510UL	04/03 RFO
82	41	0.88	88	P	1	NQI	008	-0.66	UTE	LTE				146		510UL	04/03 RFO
		0.95	50	P	1	NQI	008	+0.70	UTE	LTE				146		510UL	04/03 RFO
		1.16	86	P	1	NQI	009	-0.66	UTE	LTE				146		510UL	04/03 RFO
		0.36	108	3	NQI		014	+25.41	UTE	LTE				146		510UL	04/03 RFO
		0.58	64	P	1	NQI	010	+0.48	UTE	LTE				146		510UL	04/03 RFO
		0.58	99	3	NQI		013	+10.57	UTE	LTE				146		510UL	04/03 RFO
82	42	1.21	84	P	1	NQI	009	-0.75	UTE	LTE				146		510UL	04/03 RFO
82	43	0.95	85	P	1	NQI	007	-0.81	UTE	LTE				146		510UL	04/03 RFO
		1.37	57	P	1	NQI	009	-0.75	UTE	LTE				146		510UL	04/03 RFO
		0.96	73	P	1	NQI	010	+0.52	UTE	LTE				146		510UL	04/03 RFO
82	44	0.41	93	3	NQI		014	+16.54	UTE	LTE				146		510UL	04/03 RFO
		1.44	73	P	1	NQI	008	-0.73	UTE	LTE				146		510UL	04/03 RFO
		0.60	64	P	1	NQI	008	+0.48	UTE	LTE				146		510UL	04/03 RFO
		0.84	85	P	1	NQI	010	+0.50	UTE	LTE				146		510UL	04/03 RFO
82	45	0.40	80	3	NQI		008	+16.99	UTE	LTE				146		510UL	04/03 RFO
		1.52	26	P	1	NQI	015	+0.47	UTE	LTE				146		510UL	04/03 RFO
82	46	0.92	87	P	1	NQI	009	-0.79	UTE	LTE				146		510UL	04/03 RFO
82	48	0.87	93	P	1	NQI	008	-0.66	UTE	LTE				146		510UL	04/03 RFO
82	49	0.46	79	P	1	NQI	008	-0.67	LTE	UTE				10		510UL	04/03 RFO
82	51	0.46	73	P	1	NQI	004	+0.44	LTE	UTE				10		510UL	04/03 RFO
82	56	0.49	91	P	1	NQI	005	+0.62	LTE	UTE				10		510UL	04/03 RFO
82	58	0.97	123	P	1	NQI	UTS	+18.95	LTE	UTE				8		510UL	04/03 RFO
82	72	11.23	191	P	1	DNT	LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
82	89	10.51	181	P	1	DNT	LTS	-0.04	UTE	LTE				87		510UL	04/03 RFO
82	90	29.19	179	P	1	DNT	LTS	+0.00	UTE	LTE				87		510UL	04/03 RFO
82	91	47.39	180	P	1	DNT	LTS	+0.20	UTE	LTE				88		510UL	04/03 RFO
82	92	0.38	119	3	NQI		007	+14.97	LTE	UTE				156		510UL	04/03 RFO
		75.42	180	P	1	DNT	LTS	+0.13	LTE	UTE				156		510UL	04/03 RFO
82	93	58.79	179	P	1	DNT	LTS	+0.18	LTE	UTE				157		510UL	04/03 RFO
82	94	30.09	178	P	1	DNT	LTS	+0.22	LTE	UTE				156		510UL	04/03 RFO
82	95	69.09	179	P	1	DNT	LTS	+0.16	LTE	UTE				157		510UL	04/03 RFO
82	96	25.04	174	P	1	DNT	LTS	+0.07	LTE	UTE				156		510UL	04/03 RFO
82	97	10.48	177	P	1	DNT	LTS	+0.07	LTE	UTE				157		510UL	04/03 RFO
82	109	0.30	94	3	NQI		008	+32.15	LTE	UTE				159		510UL	04/03 RFO
82	116	0.73	79	P	1	NQI	014	+0.85	LTE	UTE				160		510UL	04/03 RFO
82	118	0.50	52	P	1	NQI	010	+0.54	LTE	UTE				160		510UL	04/03 RFO
82	121	1.09	84	3	NQI		014	+32.53	LTE	UTE				159		510UL	04/03 RFO
82	122	0.94	79	P	1	NQI	015	-0.85	LTE	UTE				160		510UL	04/03 RFO
		1.07	139	3	NQI		015	+7.95	LTE	UTE				160		510UL	04/03 RFO
83	6	0.56	117	3	NQI		010	+32.23	014	LTE				36		510UL	04/03 RFO
		0.84	108	3	NQI		010	+33.85	014	LTE				36		510UL	04/03 RFO
		0.28	106	3	NQI		010	+33.43	014	LTE				36		510UL	04/03 RFO
83	8	0.44	111	3	NQI		011	+5.42	014	LTE				35		510UL	04/03 RFO
		0.42	102	3	NQI		011	+3.69	014	LTE				35		510UL	04/03 RFO
		1.07	93	P	1	NQI	010	+0.30	014	LTE				35		510UL	04/03 RFO
		1.91	90	P	1	NQI	010	+0.04	014	LTE				35		510UL	04/03 RFO
		0.57	97	P	1	NQI	010	-0.57	014	LTE				35		510UL	04/03 RFO
83	10	1.09	122	3	NQI		011	+4.46	UTE	LTE				15		510UL	04/03 RFO
83	15	0.56	101	3	NQI		012	+34.79	UTE	LTE				14		510UL	04/03 RFO
83	19	0.39	113	3	NQI		015	+30.07	UTE	LTE				15		510UL	04/03 RFO
83	21	0.43	115	3	NQI		015	+29.49	UTE	LTE				15		510UL	04/03 RFO
83	26	0.63	111	P	1	NQI	010	+0.65	UTE	LTE				14		510UL	04/03 RFO
		0.69	80	P	1	NQI	010	+0.37	UTE	LTE				14		510UL	04/03 RFO
83	27	0.52	62	P	1	NQI	010	+0.45	UTE	LTE				15		510UL	04/03 RFO
83	28	1.01	86	P	1	NQI	010	+0.54	UTE	LTE				14		510UL	04/03 RFO
83	30	6.43	180	P	1	DNT	UTS	+0.00	UTE	LTE				14		510UL	04/03 RFO
83	31	0.80	75	P	1	NQI	009	+0.49	UTE	LTE				41		510UL	04/03 RFO
		0.80	129	3	NQI		010	+10.16	UTE	LTE				41		510UL	04/03 RFO
83	32	0.64	90	P	1	NQI	010	-0.72	UTE	LTE				40		510UL	04/03 RFO
83	33	0.58	85	P	1	NQI	010	+0.55	UTE	LTE				41		510UL	04/03 RFO
83	34	0.67	60	P	1	NQI	010	+0.54	UTE	LTE				40		510UL	04/03 RFO
83	37	0.28	81	P	1	NQI	010	+0.35	UTE	LTE				41		510UL	04/03 RFO
83	38	0.52	92	3	NQI		012	+6.22	UTE	LTE				40		510UL	04/03 RFO
83	39	0.43	130	3	NQI		012	+24.26	UTE	LTE				41		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
83	40	0.93	89	3	NQI		008	+8.92	UTE	LTE				40		510UL	04/03 RFO
83	41	0.50	43	3	NQI		015	+7.35	UTE	LTE				41		510UL	04/03 RFO
83	42	0.55	70	3	NQI		014	+22.38	UTE	LTE				40		510UL	04/03 RFO
		0.55	50	3	NQI		014	+18.24	UTE	LTE				40		510UL	04/03 RFO
		0.76	43	3	NQI		013	+15.52	UTE	LTE				40		510UL	04/03 RFO
83	43	0.74	96	P 1	NQI		008	-0.66	UTE	LTE				41		510UL	04/03 RFO
		0.74	80	P 1	NQI		009	-0.73	UTE	LTE				41		510UL	04/03 RFO
		0.50	89	P 1	NQI		009	+0.47	UTE	LTE				41		510UL	04/03 RFO
83	62	0.62	124	3	NQI		015	+44.32	LTE	UTE				4		510UL	04/03 RFO
		0.39	125	3	NQI		015	+44.71	LTE	UTE				4		510UL	04/03 RFO
		0.40	63	3	NQI		015	+15.22	LTE	UTE				4		510UL	04/03 RFO
		0.45	98	3	NQI		015	+21.78	LTE	UTE				4		510UL	04/03 RFO
83	73	16.93	191	P 1	DNT		LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
83	74	10.22	186	P 1	DNT		LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
83	83	0.52	115	3	NQI		015	+24.49	UTE	LTE				87		510UL	04/03 RFO
83	86	0.42	121	3	NQI		011	+18.87	UTE	LTE				87		510UL	04/03 RFO
83	89	0.26	106	P 1	NQI		003	-0.72	UTE	LTE				155		510UL	04/03 RFO
83	91	15.86	172	P 1	DNT		LTS	+0.25	UTE	LTE				88		510UL	04/03 RFO
83	92	36.90	179	P 1	DNT		LTS	+0.13	UTE	LTE				87		510UL	04/03 RFO
83	93	57.13	181	P 1	DNT		LTS	+0.16	UTE	LTE				88		510UL	04/03 RFO
83	94	74.88	179	P 1	DNT		LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
83	95	29.08	175	P 1	DNT		LTS	+0.38	LTE	UTE				157		510UL	04/03 RFO
83	96	39.34	177	P 1	DNT		LTS	+0.15	LTE	UTE				156		510UL	04/03 RFO
83	97	37.04	179	P 1	DNT		LTS	+0.11	LTE	UTE				157		510UL	04/03 RFO
		0.27	81	3	NQI		010	+10.29	LTE	UTE				157		510UL	04/03 RFO
83	104	0.53	98	3	NQI		010	+5.32	LTE	UTE				156		510UL	04/03 RFO
83	111	0.35	98	3	NQI		015	+10.21	LTE	UTE				157		510UL	04/03 RFO
83	117	0.49	82	3	NQI		010	+21.99	LTE	UTE				157		510UL	04/03 RFO
83	123	0.57	97	3	NQI		014	+27.79	LTE	UTE				156		510UL	04/03 RFO
83	124	0.60	82	3	NQI		013	+17.03	LTE	UTE				157		510UL	04/03 RFO
		0.61	98	3	NQI		014	+16.17	LTE	UTE				157		510UL	04/03 RFO
		0.54	81	3	NQI		012	+20.42	LTE	UTE				157		510UL	04/03 RFO
		0.55	111	3	NQI		015	+4.68	LTE	UTE				157		510UL	04/03 RFO
83	125	0.36	86	3	NQI		014	+14.15	LTE	UTE				156		510UL	04/03 RFO
84	1	0.65	145	3	NQI		LTS	+9.23	014	LTE				36		510UL	04/03 RFO
		0.62	115	P 1	NQI		011	-0.64	014	LTE				36		510UL	04/03 RFO
84	2	0.50	88	P 1	NQI		010	+0.17	014	LTE				35		510UL	04/03 RFO
		0.60	107	P 1	NQI		010	-0.24	014	LTE				35		510UL	04/03 RFO
84	3	0.92	56	P 1	NQI		010	+0.51	014	LTE				36		510UL	04/03 RFO
		0.68	111	P 1	NQI		013	-0.85	014	LTE				36		510UL	04/03 RFO
84	6	1.06	123	3	NQI		010	+2.48	014	LTE				36		510UL	04/03 RFO
		0.94	107	3	NQI		010	+3.61	014	LTE				36		510UL	04/03 RFO
84	9	0.87	73	P 1	NQI		010	+0.47	UTE	LTE				15		510UL	04/03 RFO
84	12	0.52	81	P 1	NQI		014	-0.77	UTE	LTE				15		510UL	04/03 RFO
84	15	0.44	89	P 1	NQI		009	-0.70	UTE	LTE				15		510UL	04/03 RFO
84	16	8.43	181	P 1	DNT		UTS	+0.02	UTE	LTE				14		510UL	04/03 RFO
84	19	0.30	73	P 1	NQI		011	+0.66	UTE	LTE				14		510UL	04/03 RFO
84	23	0.88	70	P 1	NQI		004	-0.79	UTE	LTE				14		510UL	04/03 RFO
84	26	0.46	103	P 1	NQI		UTS	+19.89	UTE	LTE				15		510UL	04/03 RFO
		0.64	88	P 1	NQI		010	+0.47	UTE	LTE				15		510UL	04/03 RFO
84	28	0.37	107	P 1	NQI		010	+0.43	UTE	LTE				15		510UL	04/03 RFO
84	29	0.94	81	P 1	NQI		004	-0.83	UTE	LTE				14		510UL	04/03 RFO
84	30	0.39	84	3	NQI		015	+9.93	UTE	LTE				14		510UL	04/03 RFO
		0.43	100	3	NQI		015	+8.67	UTE	LTE				14		510UL	04/03 RFO
		0.71	59	P 1	NQI		015	+0.67	UTE	LTE				14		510UL	04/03 RFO
84	32	0.42	85	P 1	NQI		010	+0.50	UTE	LTE				40		510UL	04/03 RFO
84	36	0.39	80	P 1	NQI		009	+0.52	UTE	LTE				40		510UL	04/03 RFO
84	55	1.38	72	P 1	NQI		005	+0.64	LTE	UTE				5		510UL	04/03 RFO
84	63	6.74	185	P 1	DNT		LTS	+0.07	LTE	UTE				3		510UL	04/03 RFO
		0.84	126	3	NQI		015	+24.40	LTE	UTE				3		510UL	04/03 RFO
		0.33	68	3	NQI		015	+18.34	LTE	UTE				3		510UL	04/03 RFO
		0.48	60	3	NQI		015	+15.66	LTE	UTE				3		510UL	04/03 RFO
84	64	8.89	184	P 1	DNT		LTS	+0.07	LTE	UTE				3		510UL	04/03 RFO
84	65	7.77	198	P 1	DNT		LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
84	66	8.35	197	P 1	DNT		LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
84	67	6.79	199	P 1	DNT		LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
84	71	9.75	195	P 1	DNT		LTS	+0.05	UTE	LTE				158		510UL	04/03 RFO
84	72	34.45	188	P 1	DNT		LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
84	73	30.19	188	P 1	DNT		LTS	+0.09	UTE	LTE				158		510UL	04/03 RFO
84	74	15.66	187	P 1	DNT		LTS	+0.11	UTE	LTE				158		510UL	04/03 RFO
84	85	0.46	113	3	NQI		006	+26.44	UTE	LTE				88		510UL	04/03 RFO
		0.50	135	3	NQI		006	+25.69	UTE	LTE				88		510UL	04/03 RFO
		0.56	126	3	NQI		006	+24.75	UTE	LTE				88		510UL	04/03 RFO
84	86	0.80	114	3	NQI		015	+37.37	UTE	LTE				87		510UL	04/03 RFO
		0.31	69	3	NQI		015	+37.07	UTE	LTE				87		510UL	04/03 RFO
		0.41	118	3	NQI		015	+35.23	UTE	LTE				87		510UL	04/03 RFO
		0.50	107	3	NQI		015	+33.99	UTE	LTE				87		510UL	04/03 RFO
84	87	0.60	122	3	NQI		006	+26.36	UTE	LTE				88		510UL	04/03 RFO
84	91	25.97	176	P 1	DNT		LTS	+0.13	UTE	LTE				87		510UL	04/03 RFO
84	92	46.81	180	P 1	DNT		LTS	+0.16	UTE	LTE				88		510UL	04/03 RFO
84	93	77.84	180	P 1	DNT		LTS	+0.22	LTE	UTE				157		510UL	04/03 RFO
		0.66	128	3	NQI		LTS	+3.51	LTE	UTE				157		510UL	04/03 RFO
84	96	49.02	178	P 1	DNT		LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
84	97	12.60	175	P 1	DNT		LTS	+0.25	LTE	UTE				157		510UL	04/03 RFO
84	98	7.46	176	P 1	DNT		LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
84	103	0.24	86	3	NQI		015	+21.10	LTE	UTE				156		510UL	04/03 RFO
85	4	1.35	125	3	NQI		010	+1.81	014	LTE				36		510UL	04/03 RFO
85	9	0.56	94	P 1	NQI		009	-0.66	UTE	LTE				14		510UL	04/03 RFO
85	13	0.31	76	3	NQI		003	+10.34	UTE	LTE				14		510UL	04/03 RFO
85	14	0.38	93	3	NQI		011	+22.24	UTE	LTE				15		510UL	04/03 RFO
		0.45	130	3	NQI		011	+10.27	UTE	LTE				15		510UL	04/03 RFO
		0.28	103	3	NQI		011	+9.62	UTE	LTE				15		510UL	04/03 RFO
		0.41	104	P 1	NQI		010	-0.48	UTE	LTE				15		510UL	04/03 RFO
85	19	6.55	177	P 1	DNT		UTS	+0.04	UTE	LTE				14		510UL	04/03 RFO
85	22	0.44	102	3	NQI		011	+5.73	UTE	LTE				15		510UL	04/03 RFO
85	24	0.48	83	P 1	NQI		010	+0.50	UTE	LTE				15		510UL	04/03 RFO
85	25	1.51	125	P 1	NQI		UTS	-0.07	UTE	LTE				14		510UL	04/03 RFO
		0.71	103	P 1	NQI		010	+0.61	UTE	LTE				14		510UL	04/03 RFO
85	26	0.73	104	P 1	NQI		010	-0.80	UTE	LTE				15		510UL	04/03 RFO
		0.92	72	P 1	NQI		010	+0.58	UTE	LTE				15		510UL	04/03 RFO
85	27	0.77	83	P 1	NQI		010	-0.79	UTE	LTE				14		510UL	04/03 RFO
85	28	0.45	79	P 1	NQI		010	-0.82	UTE	LTE				15		510UL	04/03 RFO
85	29	0.88	78	P 1	NQI		010	-0.81	UTE	LTE				14		510UL	04/03 RFO
85	32	0.64	103	P 1	NQI		009	-0.73	UTE	LTE				41		510UL	04/03 RFO
85	34	0.62	83	P 1	NQI		009	-0.75	UTE	LTE				41		510UL	04/03 RFO
85	36	0.87	78	P 1	NQI		009	-0.77	UTE	LTE				41		510UL	04/03 RFO
85	42	0.84	82	P 1	NQI		008	-0.71	UTE	LTE				41		510UL	04/03 RFO
		1.70	86	P 1	NQI		009	+0.00	UTE	LTE				41		510UL	04/03 RFO
85	44	0.84	98	P 1	NQI		008	-0.71	UTE	LTE				41		510UL	04/03 RFO
85	51	0.32	100	3	NQI		010	+9.08	UTE	LTE				40		510UL	04/03 RFO
85	53	0.50	118	3	NQI		006	+6.12	LTE	UTE				162		510UL	04/03 RFO
85	55	2.24	114	3	NQI		LTS	+25.11	LTE	UTE				5		510UL	04/03 RFO
85	56	0.24	90	P 1	NQI		015	+0.18	LTE	UTE				5		510UL	04/03 RFO
85	61	0.39	92	3	NQI		015	+24.38	LTE	UTE				2		510UL	04/03 RFO
		0.40	94	3	NQI		015	+25.55	LTE	UTE				2		510UL	04/03 RFO
		22.73	179	P 1	DNT		LTS	+0.02	LTE	UTE				2		510UL	04/03 RFO
		0.37	98	3	NQI		015	+26.01	LTE	UTE				2		510UL	04/03 RFO
85	62	21.71	177	P 1	DNT		LTS	+0.15	LTE	UTE				3		510UL	04/03 RFO
		0.28	61	3	NQI		LTS	+19.20	LTE	UTE				3		510UL	04/03 RFO
85	63	25.84	180	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
85	64	33.83	180	P 1	DNT		LTS	+0.20	LTE	UTE				3		510UL	04/03 RFO
85	65	25.59	186	P 1	DNT		LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
85	66	20.83	189	P 1	DNT		LTS	+0.05	UTE	LTE				158		510UL	04/03 RFO
85	67	14.47	192	P 1	DNT		LTS	+0.00	UTE	LTE				158		510UL	04/03 RFO
85	68	12.65	193	P 1	DNT		LTS	+0.05	UTE	LTE				158		510UL	04/03 RFO
85	69	14.38	191	P 1	DNT		LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
85	70	21.80	188	P 1	DNT		LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
85	71	56.37	188	P 1	DNT		LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
85	72	80.46	188	P 1	DNT		LTS	+0.09	UTE	LTE				158		510UL	04/03 RFO
85	73	25.17	187	P 1	DNT		LTS	+0.11	UTE	LTE				158		510UL	04/03 RFO
85	82	0.36	87	3	NQI		006	+19.92	UTE	LTE				88		510UL	04/03 RFO
85	87	0.30	87	3	NQI		006	+22.27	UTE	LTE				87		510UL	04/03 RFO
85	88	0.36	85	3	NQI		015	+35.77	UTE	LTE				88		510UL	04/03 RFO
		0.44	119	3	NQI		008	+25.96	UTE	LTE				88		510UL	04/03 RFO
85	90	27.63	180	P 1	DNT		LTS	+0.20	UTE	LTE				88		510UL	04/03 RFO
85	91	0.42	92	3	NQI		012	+18.26	UTE	LTE				87		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
85	92	43.66	178	P	1	DNT	LTS	+0.13	UTE	LTE				87		510UL	04/03 RFO
		57.37	181	P	1	DNT	LTS	+0.14	UTE	LTE				88		510UL	04/03 RFO
85	93	76.60	179	P	1	DNT	LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
85	94	0.46	126	3		NQI	008	+14.58	LTE	UTE				156		510UL	04/03 RFO
		36.33	176	P	1	DNT	LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
85	95	60.18	179	P	1	DNT	LTS	+0.18	LTE	UTE				157		510UL	04/03 RFO
		0.43	104	3		NQI	007	+8.91	LTE	UTE				157		510UL	04/03 RFO
		0.41	105	3		NQI	009	+31.55	LTE	UTE				157		510UL	04/03 RFO
85	96	18.09	171	P	1	DNT	LTS	+0.09	LTE	UTE				156		510UL	04/03 RFO
85	97	13.75	175	P	1	DNT	LTS	+0.04	LTE	UTE				157		510UL	04/03 RFO
85	114	0.38	98	P	1	NQI	014	+1.11	LTE	UTE				156		510UL	04/03 RFO
85	118	0.97	98	3		NQI	002	+32.69	LTE	UTE				157		510UL	04/03 RFO
85	122	0.37	118	3		NQI	013	+32.48	LTE	UTE				157		510UL	04/03 RFO
85	128	0.79	99	3		NQI	015	+7.46	LTE	UTE				157		510UL	04/03 RFO
85	130	0.63	66	P	1	NQI	009	+0.11	LTE	UTE				157		510UL	04/03 RFO
86	1	8.57	176	3		DNT	LTE	+10.30	014	LTE				36		510UL	04/03 RFO
		0.72	88	P	1	NQI	014	+0.64	014	LTE				36		510UL	04/03 RFO
86	2	1.09	123	P	1	NQI	013	-0.59	014	LTE				35		510UL	04/03 RFO
86	3	0.29	100	3		NQI	012	+32.79	014	LTE				36		510UL	04/03 RFO
86	7	0.52	86	P	1	NQI	011	+0.59	UTE	LTE				15		510UL	04/03 RFO
86	10	0.75	107	P	1	NQI	009	-0.68	UTE	LTE				14		510UL	04/03 RFO
86	11	1.05	96	P	1	NQI	010	-0.66	UTE	LTE				15		510UL	04/03 RFO
86	14	0.84	66	P	1	NQI	011	-0.78	UTE	LTE				14		510UL	04/03 RFO
86	19	0.29	81	P	1	NQI	011	-0.32	UTE	LTE				15		510UL	04/03 RFO
86	24	0.57	77	P	1	NQI	010	-0.70	UTE	LTE				14		510UL	04/03 RFO
86	25	0.36	85	P	1	NQI	010	-0.04	UTE	LTE				14		510UL	04/03 RFO
86	28	0.66	76	P	1	NQI	009	-0.72	UTE	LTE				14		510UL	04/03 RFO
86	30	0.71	66	P	1	NQI	009	-0.76	UTE	LTE				14		510UL	04/03 RFO
86	32	0.93	76	P	1	NQI	009	-0.74	UTE	LTE				40		510UL	04/03 RFO
86	33	0.81	72	P	1	NQI	010	+0.59	UTE	LTE				41		510UL	04/03 RFO
86	34	0.63	77	P	1	NQI	009	-0.76	UTE	LTE				40		510UL	04/03 RFO
86	36	0.52	93	P	1	NQI	015	-0.04	UTE	LTE				40		510UL	04/03 RFO
86	37	0.65	83	P	1	NQI	009	-0.73	UTE	LTE				41		510UL	04/03 RFO
86	39	0.49	100	3		NQI	010	+28.32	UTE	LTE				41		510UL	04/03 RFO
86	41	0.62	51	P	1	NQI	008	-0.78	UTE	LTE				41		510UL	04/03 RFO
86	43	0.54	92	P	1	NQI	008	-0.78	UTE	LTE				41		510UL	04/03 RFO
86	51	0.44	90	3		NQI	008	+35.92	UTE	LTE				40		510UL	04/03 RFO
86	55	0.97	116	P	1	NQI	005	-0.74	LTE	UTE				5		510UL	04/03 RFO
86	58	6.92	182	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
86	59	18.38	184	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
86	60	30.85	181	P	1	DNT	LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
86	61	47.29	183	P	1	DNT	LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
86	62	38.56	178	P	1	DNT	LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
86	63	36.06	182	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
86	64	58.56	182	P	1	DNT	LTS	+0.15	LTE	UTE				6		510UL	04/03 RFO
86	65	49.20	189	P	1	DNT	LTS	+0.11	UTE	LTE				158		510UL	04/03 RFO
86	66	29.44	186	P	1	DNT	LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
86	67	0.45	62	P	1	NQI	004	-0.69	UTE	LTE				158		510UL	04/03 RFO
		15.55	187	P	1	DNT	LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
86	68	10.40	191	P	1	DNT	LTS	+0.09	UTE	LTE				158		510UL	04/03 RFO
86	69	14.91	187	P	1	DNT	LTS	+0.11	UTE	LTE				158		510UL	04/03 RFO
86	70	22.95	188	P	1	DNT	LTS	+0.11	UTE	LTE				158		510UL	04/03 RFO
86	71	30.80	187	P	1	DNT	LTS	+0.07	UTE	LTE				158		510UL	04/03 RFO
86	72	38.99	188	P	1	DNT	LTS	+0.09	UTE	LTE				158		510UL	04/03 RFO
86	73	26.27	187	P	1	DNT	LTS	+0.14	UTE	LTE				158		510UL	04/03 RFO
86	74	7.53	188	P	1	DNT	LTS	+0.09	UTE	LTE				158		510UL	04/03 RFO
86	80	0.47	103	3		NQI	005	+27.55	UTE	LTE				88		510UL	04/03 RFO
86	86	0.42	140	3		NQI	006	+25.93	UTE	LTE				88		510UL	04/03 RFO
86	90	15.68	181	P	1	DNT	LTS	+0.27	UTE	LTE				88		510UL	04/03 RFO
		3.83	42	P	1	DWI	LTS	+0.04	UTE	LTE				88		510UL	04/03 RFO
86	91	38.32	177	P	1	DNT	LTS	+0.15	UTE	LTE				87		510UL	04/03 RFO
86	92	60.63	180	P	1	DNT	LTS	+0.13	UTE	LTE				88		510UL	04/03 RFO
86	93	66.56	180	P	1	DNT	LTS	+0.16	LTE	UTE				156		510UL	04/03 RFO
86	94	0.43	69	P	1	NQI	005	-0.51	LTE	UTE				157		510UL	04/03 RFO
		0.50	124	3		NQI	006	+26.44	LTE	UTE				157		510UL	04/03 RFO
		56.38	179	P	1	DNT	LTS	+0.33	LTE	UTE				157		510UL	04/03 RFO
86	95	0.43	130	3		NQI	009	+5.19	LTE	UTE				156		510UL	04/03 RFO
		55.03	179	P	1	DNT	LTS	+0.13	LTE	UTE				156		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
86	96	0.36	85	P	1	NQI	006	+0.58	LTE	UTE				157		510UL	04/03 RFO
		31.63	179	P	1	DNT	LTS	+0.33	LTE	UTE				157		510UL	04/03 RFO
86	99	0.39	117	P	1	NQI	015	+0.90	LTE	UTE				157		510UL	04/03 RFO
86	103	0.57	90	3		NQI	015	+31.14	LTE	UTE				157		510UL	04/03 RFO
86	122	0.52	111	3		NQI	013	+27.05	LTE	UTE				156		510UL	04/03 RFO
		0.50	101	3		NQI	014	+28.74	LTE	UTE				156		510UL	04/03 RFO
86	124	0.82	114	3		NQI	013	+32.58	LTE	UTE				156		510UL	04/03 RFO
		0.83	114	3		NQI	014	+20.47	LTE	UTE	TO+34.31			156		510UL	04/03 RFO
86	125	0.42	99	3		NQI	014	+11.73	LTE	UTE	TO+33.19			157		510UL	04/03 RFO
		0.44	98	3		NQI	012	+18.30	LTE	UTE	TO+35.43			157		510UL	04/03 RFO
		0.35	74	3		NQI	013	+21.06	LTE	UTE	TO+34.32			157		510UL	04/03 RFO
86	129	6.13	176	P	1	DNT	008	-0.11	LTE	UTE				157		510UL	04/03 RFO
86	131	0.06	82	P	1	NQI	013	-0.52	LTE	UTE				157		510UL	04/03 RFO
		0.44	99	P	1	NQI	LTS	-0.04	LTE	UTE				157		510UL	04/03 RFO
		0.31	111	3		NQI	013	+1.34	LTE	UTE				157		510UL	04/03 RFO
87	1	0.56	108	P	1	NQI	014	-0.79	014	LTE				36		510UL	04/03 RFO
87	2	0.64	105	P	1	NQI	011	+0.50	014	LTE				35		510UL	04/03 RFO
		0.57	86	P	1	NQI	013	-0.71	014	LTE				35		510UL	04/03 RFO
87	7	0.56	91	P	1	NQI	010	-0.86	UTE	LTE				14		510UL	04/03 RFO
87	8	0.63	100	P	1	NQI	010	-0.71	UTE	LTE				15		510UL	04/03 RFO
87	9	0.73	75	P	1	NQI	010	-0.64	UTE	LTE				14		510UL	04/03 RFO
87	11	0.49	75	P	1	NQI	010	-0.59	UTE	LTE				14		510UL	04/03 RFO
87	12	0.70	69	P	1	NQI	011	+0.57	UTE	LTE				15		510UL	04/03 RFO
87	13	0.39	83	P	1	NQI	010	-0.35	UTE	LTE				14		510UL	04/03 RFO
87	19	0.30	81	3		NQI	LTS	+26.28	UTE	LTE				14		510UL	04/03 RFO
87	21	0.19	97	3		NQI	014	+15.16	UTE	LTE				14		510UL	04/03 RFO
87	22	0.45	100	P	1	NQI	009	-0.81	UTE	LTE				15		510UL	04/03 RFO
87	23	0.49	72	P	1	NQI	009	-0.78	UTE	LTE				14		510UL	04/03 RFO
87	24	0.57	106	P	1	NQI	009	-0.77	UTE	LTE				15		510UL	04/03 RFO
		0.61	120	3		NQI	015	+31.52	UTE	LTE				15		510UL	04/03 RFO
87	50	0.59	126	P	1	NQI	009	-0.79	UTE	LTE				41		510UL	04/03 RFO
87	57	10.20	181	P	1	DNT	LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
87	58	27.28	180	P	1	DNT	LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
87	59	70.45	184	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
87	60	68.05	182	P	1	DNT	LTS	+0.17	LTE	UTE				6		510UL	04/03 RFO
87	61	52.10	183	P	1	DNT	LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
		0.76	106	3		NQI	015	+17.28	LTE	UTE	TO+35.72			7		510UL	04/03 RFO
87	62	35.03	181	P	1	DNT	LTS	+0.20	LTE	UTE				6		510UL	04/03 RFO
87	64	43.11	179	P	1	DNT	LTS	+0.22	LTE	UTE				6		510UL	04/03 RFO
87	65	31.36	179	P	1	DNT	LTS	+0.11	UTE	LTE				87		510UL	04/03 RFO
87	66	15.94	177	P	1	DNT	LTS	+0.00	LTE	UTE				162		510UL	04/03 RFO
		12.48	179	P	1	DNT	LTS	+0.00	010	LTE				87		510UL	04/03 RFO
						OBS	010	+30.21	010	LTE				87		510UL	04/03 RFO
						ROB			010	LTE				87		510UL	04/03 RFO
87	67	12.02	178	P	1	DNT	LTS	+0.09	UTE	LTE				88		510UL	04/03 RFO
87	68	8.28	174	P	1	DNT	LTS	+0.04	UTE	LTE				87		510UL	04/03 RFO
87	69	12.10	175	P	1	DNT	LTS	+0.11	UTE	LTE				88		510UL	04/03 RFO
87	71	16.64	177	P	1	DNT	LTS	+0.04	UTE	LTE				87		510UL	04/03 RFO
87	72	6.31	17	P	1	NQI	LTE	+5.73	UTE	LTE				88		510UL	04/03 RFO
		6.15	17	P	1	NQI	LTE	+2.04	UTE	LTE				88		510UL	04/03 RFO
		7.74	177	3		DNT	LTS	+0.54	UTE	LTE				88		510UL	04/03 RFO
		23.85	177	P	1	DNT	LTS	+0.07	UTE	LTE				88		510UL	04/03 RFO
87	73	8.87	171	P	1	DNT	LTS	+0.19	UTE	LTE				87		510UL	04/03 RFO
87	74	0.78	78	P	1	NQI	UTS	+0.52	UTE	LTE				88		510UL	04/03 RFO
87	82	0.43	116	3		NQI	006	+26.24	UTE	LTE				88		510UL	04/03 RFO
		0.36	126	3		NQI	006	+24.02	UTE	LTE				88		510UL	04/03 RFO
87	86	0.33	136	3		NQI	015	+37.58	UTE	LTE				88		510UL	04/03 RFO
		0.54	115	3		NQI	015	+36.66	UTE	LTE				88		510UL	04/03 RFO
		0.44	114	3		NQI	015	+35.57	UTE	LTE				88		510UL	04/03 RFO
		0.51	115	3		NQI	015	+30.09	UTE	LTE				88		510UL	04/03 RFO
		0.34	118	3		NQI	015	+28.97	UTE	LTE				88		510UL	04/03 RFO
		0.20	97	3		NQI	015	+28.36	UTE	LTE				88		510UL	04/03 RFO
		0.38	110	3		NQI	015	+27.47	UTE	LTE				88		510UL	04/03 RFO
87	87	0.50	106	3		NQI	015	+31.63	UTE	LTE				87		510UL	04/03 RFO
		0.42	102	3		NQI	008	+18.31	UTE	LTE				87		510UL	04/03 RFO
87	88	0.81	36	P	1	NQI	UTS	+6.33	UTE	LTE				88		510UL	04/03 RFO
87	89	11.59	181	P	1	DNT	LTS	+0.22	UTE	LTE				87		510UL	04/03 RFO
87	90	3.62	24	P	1	NQI	LTE	+4.73	UTE	LTE				88		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
87	91	27.21	176	P	1	DNT	LTS	+0.18	UTE	LTE				88		510UL	04/03 RFO
87	92	36.36	178	P	1	DNT	LTS	+0.13	UTE	LTE				87		510UL	04/03 RFO
87	93	73.93	182	P	1	DNT	LTS	+0.13	UTE	LTE				88		510UL	04/03 RFO
87	94	60.24	179	P	1	DNT	LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
87	95	51.87	178	P	1	DNT	LTS	+0.15	LTE	UTE				156		510UL	04/03 RFO
87	96	35.63	178	P	1	DNT	LTS	+0.33	LTE	UTE				157		510UL	04/03 RFO
87	100	9.98	173	P	1	DNT	LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
87	101	6.64	178	P	1	DNT	LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
87	101	6.41	180	P	1	DNT	LTS	+0.24	LTE	UTE				157		510UL	04/03 RFO
87	120	0.41	95	P	1	NQI	006	-0.54	LTE	UTE				157		510UL	04/03 RFO
87	122	0.46	111	3	NQI		013	+8.73	LTE	UTE				157		510UL	04/03 RFO
		0.63	99	3	NQI		014	+7.44	LTE	UTE				157		510UL	04/03 RFO
		0.43	62	3	NQI		015	+9.33	LTE	UTE				157		510UL	04/03 RFO
		0.80	105	3	NQI		012	+15.93	LTE	UTE				157		510UL	04/03 RFO
		0.58	73	P	1	NQI	002	+0.69	LTE	UTE				157		510UL	04/03 RFO
87	124	0.72	76	3	NQI		014	+27.82	LTE	UTE				157		510UL	04/03 RFO
87	129	2.17	143	P	1	NQI	015	+0.72	UTE	LTE				165		510UL	04/03 RFO
		8.88	179	P	1	DNT	008	+0.25	UTE	LTE				165		510UL	04/03 RFO
87	130	3.87	87	6	ADI		012	+14.71	LTE	UTE				157		510UL	04/03 RFO
88	2	1.87	113	3	NQI		010	+5.12	014	LTE				36		510UL	04/03 RFO
		0.56	106	P	1	NQI	010	+0.49	014	LTE				36		510UL	04/03 RFO
		0.38	83	P	1	NQI	011	+0.60	014	LTE				36		510UL	04/03 RFO
88	3	0.89	103	P	1	NQI	012	-0.80	014	LTE				35		510UL	04/03 RFO
		0.99	88	P	1	NQI	011	+0.63	014	LTE				35		510UL	04/03 RFO
		0.49	97	P	1	NQI	011	-0.74	014	LTE				35		510UL	04/03 RFO
		1.21	138	P	1	NQI	010	+0.50	014	LTE				35		510UL	04/03 RFO
88	5	0.41	87	3	NQI		010	+24.54	014	LTE				35		510UL	04/03 RFO
88	8	0.45	80	P	1	NQI	009	-0.83	UTE	LTE				14		510UL	04/03 RFO
88	28	0.39	66	P	1	NQI	010	-0.55	UTE	LTE				16		510UL	04/03 RFO
88	34	0.57	84	3	NQI		015	+11.39	UTE	LTE				40		510UL	04/03 RFO
88	36	1.14	97	3	NQI		013	+23.96	UTE	LTE				40		510UL	04/03 RFO
88	39	0.65	127	3	NQI		009	+31.32	UTE	LTE				41		510UL	04/03 RFO
		0.80	114	P	1	NQI	UTS	+16.97	UTE	LTE				41		510UL	04/03 RFO
88	56	6.11	182	P	1	DNT	LTS	-0.02	LTE	UTE				5		510UL	04/03 RFO
88	57	17.57	181	P	1	DNT	LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
88	58	38.34	180	P	1	DNT	LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
88	59	50.61	184	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
88	60	65.53	182	P	1	DNT	LTS	+0.17	LTE	UTE				6		510UL	04/03 RFO
88	61	90.03	182	P	1	DNT	LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
88	62	79.93	182	P	1	DNT	LTS	+0.20	LTE	UTE				6		510UL	04/03 RFO
88	63	76.79	183	P	1	DNT	LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
88	64	62.88	183	P	1	DNT	LTS	+0.24	LTE	UTE				6		510UL	04/03 RFO
88	65	16.29	179	P	1	DNT	LTS	+0.51	UTE	LTE				87		510UL	04/03 RFO
		26.67	180	P	1	DNT	LTS	+0.02	UTE	LTE				87		510UL	04/03 RFO
88	66	7.66	181	P	1	DNT	LTS	+0.40	UTE	LTE				88		510UL	04/03 RFO
		7.80	170	P	1	DNT	LTS	+0.09	UTE	LTE				88		510UL	04/03 RFO
		10.04	18	P	1	NQI	LTE	+6.05	UTE	LTE				88		510UL	04/03 RFO
88	67	7.55	184	P	1	DNT	LTS	+0.09	UTE	LTE				87		510UL	04/03 RFO
88	68	0.31	93	3	NQI		015	+27.10	UTE	LTE				88		510UL	04/03 RFO
		6.02	170	P	1	DNT	LTS	+0.04	UTE	LTE				88		510UL	04/03 RFO
88	70	6.98	170	P	1	DNT	LTS	+0.17	UTE	LTE				87		510UL	04/03 RFO
88	72	7.53	169	P	1	DNT	LTS	+0.13	UTE	LTE				87		510UL	04/03 RFO
88	73	2.00	106	P	1	DWI	LTS	-0.04	UTE	LTE				88		510UL	04/03 RFO
		7.35	179	P	1	DNT	LTS	+0.13	UTE	LTE				88		510UL	04/03 RFO
88	80	0.33	80	3	NQI		014	+8.87	UTE	LTE				87		510UL	04/03 RFO
88	83	0.41	113	3	NQI		006	+25.64	UTE	LTE				87		510UL	04/03 RFO
88	84	0.44	133	3	NQI		006	+25.75	UTE	LTE				88		510UL	04/03 RFO
		0.51	115	3	NQI		006	+23.04	UTE	LTE				88		510UL	04/03 RFO
88	86	0.41	124	3	NQI		006	+25.03	UTE	LTE				88		510UL	04/03 RFO
		0.48	137	3	NQI		006	+21.85	UTE	LTE				88		510UL	04/03 RFO
		0.36	129	3	NQI		006	+18.05	UTE	LTE				88		510UL	04/03 RFO
88	89	0.71	102	3	NQI		010	+10.06	UTE	LTE				87		510UL	04/03 RFO
		0.58	104	3	NQI		010	+8.82	UTE	LTE				87		510UL	04/03 RFO
		0.49	100	3	NQI		010	+3.17	UTE	LTE				87		510UL	04/03 RFO
		0.45	83	P	1	NQI	010	+0.15	UTE	LTE				87		510UL	04/03 RFO
		0.32	103	3	NQI		009	+37.46	UTE	LTE				87		510UL	04/03 RFO
		0.79	87	3	NQI		009	+34.24	UTE	LTE				87		510UL	04/03 RFO
88	90	16.97	174	P	1	DNT	LTS	+0.18	UTE	LTE				88		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
88	91	44.30	176	P	1	DNT	LTS	+0.11	UTE	LTE				87		510UL	04/03 RFO
88	92	54.15	178	P	1	DNT	LTS	+0.11	UTE	LTE				88		510UL	04/03 RFO
88	93	62.40	179	P	1	DNT	LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
88	94	54.61	179	P	1	DNT	LTS	+0.36	LTE	UTE				157		510UL	04/03 RFO
88	95	40.01	176	P	1	DNT	LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
88	96	0.28	95	3		NQI	015	+27.34	LTE	UTE				157		510UL	04/03 RFO
		11.07	179	P	1	DNT	LTS	+0.25	LTE	UTE				157		510UL	04/03 RFO
88	97	6.67	174	P	1	DNT	LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
88	100	6.30	181	P	1	DNT	LTS	+0.02	LTE	UTE				157		510UL	04/03 RFO
88	101	6.16	177	P	1	DNT	LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
88	122	0.71	97	P	1	NQI	015	+0.65	LTE	UTE				157		510UL	04/03 RFO
88	125	0.55	92	P	1	NQI	006	-0.47	LTE	UTE				157		510UL	04/03 RFO
88	129	0.73	67	P	1	NQI	008	+0.69	LTE	UTE				157		510UL	04/03 RFO
89	2	0.35	73	P	1	NQI	012	-0.71	014	LTE				36		510UL	04/03 RFO
		1.19	100	P	1	NQI	011	+0.51	014	LTE				36		510UL	04/03 RFO
		5.98	182	P	1	DNT	010	-0.13	014	LTE				36		510UL	04/03 RFO
		1.58	14	P	1	DWI	010	-0.47	014	LTE				36		510UL	04/03 RFO
		0.44	71	3		NQI	010	+1.20	014	LTE				36		510UL	04/03 RFO
89	14	0.33	95	3		NQI	014	+1.73	UTE	LTE				16		510UL	04/03 RFO
		0.46	82	3		NQI	010	+31.45	UTE	LTE				16		510UL	04/03 RFO
		0.49	122	3		NQI	014	+2.87	UTE	LTE				16		510UL	04/03 RFO
		0.62	130	3		NQI	011	+36.12	UTE	LTE				16		510UL	04/03 RFO
		0.32	103	3		NQI	014	+2.58	UTE	LTE				16		510UL	04/03 RFO
89	16	0.71	72	P	1	NQI	010	+0.54	UTE	LTE				16		510UL	04/03 RFO
		0.39	100	3		NQI	012	+31.13	UTE	LTE				16		510UL	04/03 RFO
		0.42	102	3		NQI	012	+31.69	UTE	LTE				16		510UL	04/03 RFO
89	17	0.78	94	P	1	NQI	009	-0.74	UTE	LTE				17		510UL	04/03 RFO
89	55	19.40	181	P	1	DNT	LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
89	56	36.37	182	P	1	DNT	LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
89	57	44.41	180	P	1	DNT	LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
89	58	37.94	181	P	1	DNT	LTS	+0.11	LTE	UTE				5		510UL	04/03 RFO
89	59	51.65	183	P	1	DNT	LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
		0.81	102	3		NQI	015	+28.82	LTE	UTE				7		510UL	04/03 RFO
89	60	59.51	181	P	1	DNT	LTS	+0.18	LTE	UTE				6		510UL	04/03 RFO
89	61	89.89	183	P	1	DNT	LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
89	62	52.06	181	P	1	DNT	LTS	+0.24	LTE	UTE				6		510UL	04/03 RFO
89	63	42.95	182	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
		9.12	178	3		DNT	LTS	+0.60	LTE	UTE				7		510UL	04/03 RFO
89	64	24.53	183	P	1	DNT	LTS	+0.20	LTE	UTE				6		510UL	04/03 RFO
		25.05	176	3		DNT	LTS	+0.61	LTE	UTE				6		510UL	04/03 RFO
89	65	13.31	183	P	1	DNT	LTS	+0.56	UTE	LTE				87		510UL	04/03 RFO
		20.07	179	P	1	DNT	LTS	+0.07	UTE	LTE				87		510UL	04/03 RFO
89	66	12.23	172	P	1	DNT	LTS	+0.20	UTE	LTE				88		510UL	04/03 RFO
89	71	0.45	91	P	1	NQI	UTS	+19.84	UTE	LTE				93		510UL	04/03 RFO
		10.43	180	3		DNT	LTS	+0.63	UTE	LTE				93		510UL	04/03 RFO
89	82	0.31	105	3		NQI	010	+15.27	UTE	LTE				94		510UL	04/03 RFO
89	87	1.16	98	3		NQI	008	+35.03	UTE	LTE				93		510UL	04/03 RFO
89	89	26.28	179	P	1	DNT	LTS	+0.09	UTE	LTE				93		510UL	04/03 RFO
89	90	37.59	180	P	1	DNT	LTS	+0.13	UTE	LTE				94		510UL	04/03 RFO
		0.58	89	3		NQI	006	+20.34	UTE	LTE				94		510UL	04/03 RFO
89	91	45.64	181	P	1	DNT	LTS	+0.09	UTE	LTE				93		510UL	04/03 RFO
89	92	34.69	179	P	1	DNT	LTS	+0.07	UTE	LTE				94		510UL	04/03 RFO
		0.57	117	3		NQI	009	+25.01	UTE	LTE				94		510UL	04/03 RFO
		0.49	110	3		NQI	010	+8.94	UTE	LTE				94		510UL	04/03 RFO
89	93	47.80	178	P	1	DNT	LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
		1.08	91	3		NQI	010	+7.89	LTE	UTE				156		510UL	04/03 RFO
89	94	0.45	85	3		NQI	009	+24.54	LTE	UTE				157		510UL	04/03 RFO
		40.92	179	P	1	DNT	LTS	+0.36	LTE	UTE				157		510UL	04/03 RFO
89	96	6.33	168	P	1	DNT	LTS	+0.04	LTE	UTE				156		510UL	04/03 RFO
89	105	0.54	65	3		NQI	001	+5.20	LTE	UTE				156		510UL	04/03 RFO
89	118	7.38	185	3		DNT	LTS	+18.58	LTE	UTE				157		510UL	04/03 RFO
89	130	0.66	90	P	1	NQI	008	+0.64	LTE	UTE				157		510UL	04/03 RFO
90	2	0.77	111	P	1	NQI	012	-0.84	014	LTE				35		510UL	04/03 RFO
90	6	0.89	90	P	1	NQI	009	-0.74	UTE	LTE				17		510UL	04/03 RFO
90	15	0.56	95	3		NQI	012	+28.11	UTE	LTE				16		510UL	04/03 RFO
		0.34	96	3		NQI	011	+36.08	UTE	LTE				16		510UL	04/03 RFO
		0.43	120	3		NQI	011	+35.14	UTE	LTE				16		510UL	04/03 RFO
		0.53	70	3		NQI	011	+34.83	UTE	LTE				16		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
90	16	0.33	101	3	NQI		011	+26.18	UTE	LTE				17		510UL	04/03 RFO
90	17	0.39	79	3	NQI		012	+31.23	UTE	LTE				16		510UL	04/03 RFO
		0.36	94	P 1	NQI		004	-0.81	UTE	LTE				16		510UL	04/03 RFO
90	18	0.82	121	3	NQI		LTS	+24.49	UTE	LTE				17		510UL	04/03 RFO
		0.89	129	3	NQI		LTS	+23.61	UTE	LTE				17		510UL	04/03 RFO
		3.13	117	3	NQI		LTS	+21.94	UTE	LTE				17		510UL	04/03 RFO
		0.29	118	3	NQI		LTS	+26.26	UTE	LTE				17		510UL	04/03 RFO
90	19	0.42	82	P 1	NQI		006	-0.65	UTE	LTE				16		510UL	04/03 RFO
90	32	0.55	86	3	NQI		006	+15.08	UTE	LTE				41		510UL	04/03 RFO
90	33	0.35	111	3	NQI		LTS	+6.03	UTE	LTE				40		510UL	04/03 RFO
90	43	1.32	97	P 1	NQI		015	+0.78	UTE	LTE				40		510UL	04/03 RFO
90	47	0.40	94	3	NQI		006	+28.64	UTE	LTE				40		510UL	04/03 RFO
90	54	21.48	180	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
90	56	35.98	179	P 1	DNT		LTS	+0.18	LTE	UTE				5		510UL	04/03 RFO
90	57	32.39	181	P 1	DNT		LTS	+0.16	LTE	UTE				5		510UL	04/03 RFO
		0.36	101	3	NQI		008	+24.45	LTE	UTE				5		510UL	04/03 RFO
		0.25	90	3	NQI		011	+14.88	LTE	UTE				5		510UL	04/03 RFO
90	58	30.99	179	P 1	DNT		LTS	+0.15	LTE	UTE				6		510UL	04/03 RFO
90	59	65.47	180	P 1	DNT		LTS	+0.18	LTE	UTE				2		510UL	04/03 RFO
90	60	67.21	182	P 1	DNT		LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
		0.50	115	P 1	NQI		UTS	+16.88	LTE	UTE				7		510UL	04/03 RFO
90	61	43.11	182	P 1	DNT		LTS	+0.24	LTE	UTE				6		510UL	04/03 RFO
90	62	42.21	181	P 1	DNT		LTS	+0.25	LTE	UTE				7		510UL	04/03 RFO
90	63	12.70	180	P 1	DNT		LTS	+0.09	LTE	UTE				6		510UL	04/03 RFO
		30.01	176	3	DNT		LTS	+0.63	LTE	UTE				6		510UL	04/03 RFO
90	64	30.89	181	P 1	DNT		LTS	+0.52	UTE	LTE				123		510UL	04/03 RFO
		15.52	174	P 1	DNT		LTS	+0.04	UTE	LTE				123		510UL	04/03 RFO
90	65	14.20	185	P 1	DNT		LTS	+0.50	UTE	LTE				124		510UL	04/03 RFO
90	70	7.44	183	3	DNT		LTS	+0.74	UTE	LTE				93		510UL	04/03 RFO
90	71	7.44	182	3	DNT		LTS	+0.76	UTE	LTE				94		510UL	04/03 RFO
90	85	0.40	131	3	NQI		007	+35.51	UTE	LTE				94		510UL	04/03 RFO
90	88	12.47	171	P 1	DNT		LTS	+0.18	UTE	LTE				93		510UL	04/03 RFO
90	89	37.38	178	P 1	DNT		LTS	+0.09	UTE	LTE				94		510UL	04/03 RFO
90	90	39.73	180	P 1	DNT		LTS	+0.00	UTE	LTE				93		510UL	04/03 RFO
90	91	39.62	179	P 1	DNT		LTS	+0.16	UTE	LTE				94		510UL	04/03 RFO
90	92	34.47	178	P 1	DNT		LTS	+0.11	LTE	UTE				156		510UL	04/03 RFO
90	93	52.02	180	P 1	DNT		LTS	+0.00	LTE	UTE				157		510UL	04/03 RFO
90	94	24.24	174	P 1	DNT		LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
90	95	7.24	176	P 1	DNT		LTS	+0.34	LTE	UTE				157		510UL	04/03 RFO
90	115	1.22	92	P 1	TWD	41	014	+1.12	LTE	UTE				156		510UL	04/03 RFO
91	2	2.56	96	P 1	NQI		011	+0.50	014	LTE				35		510UL	04/03 RFO
91	7	0.41	73	P 1	NQI		010	+0.59	UTE	LTE				16		510UL	04/03 RFO
91	30	0.61	92	3	NQI		015	+30.93	UTE	LTE				41		510UL	04/03 RFO
		0.40	96	3	NQI		015	+27.55	UTE	LTE				41		510UL	04/03 RFO
91	42	0.63	107	P 1	NQI		015	+0.73	UTE	LTE				41		510UL	04/03 RFO
91	48	0.88	149	3	NQI		015	+30.91	UTE	LTE				41		510UL	04/03 RFO
91	52	16.39	180	P 1	DNT		LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
91	53	38.49	181	P 1	DNT		LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
91	54	45.59	179	P 1	DNT		LTS	+0.16	LTE	UTE				5		510UL	04/03 RFO
91	55	37.95	179	P 1	DNT		LTS	+0.27	LTE	UTE				5		510UL	04/03 RFO
91	56	26.09	178	P 1	DNT		LTS	+0.16	LTE	UTE				5		510UL	04/03 RFO
91	57	37.59	182	P 1	DNT		LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
91	58	49.87	180	P 1	DNT		LTS	+0.13	LTE	UTE				6		510UL	04/03 RFO
91	59	44.53	182	P 1	DNT		LTS	+0.17	LTE	UTE				7		510UL	04/03 RFO
		0.33	77	3	NQI		011	+28.84	LTE	UTE				7		510UL	04/03 RFO
		0.30	79	3	NQI		011	+25.24	LTE	UTE				7		510UL	04/03 RFO
91	60	21.45	181	P 1	DNT		LTS	+0.22	LTE	UTE				6		510UL	04/03 RFO
		0.64	83	3	NQI		012	+19.28	LTE	UTE				6		510UL	04/03 RFO
91	61	45.59	178	3	DNT		LTS	+0.52	LTE	UTE				7		510UL	04/03 RFO
91	62	6.12	172	P 1	DNT		LTS	+0.04	LTE	UTE				6		510UL	04/03 RFO
		39.54	179	3	DNT		LTS	+0.61	LTE	UTE				6		510UL	04/03 RFO
91	63	18.72	177	3	DNT		LTS	+0.60	UTE	LTE				93		510UL	04/03 RFO
91	64	0.77	98	P 1	NQI		UTS	+16.48	UTE	LTE				94		510UL	04/03 RFO
91	65	0.29	56	3	NQI		014	+16.83	UTE	LTE				93		510UL	04/03 RFO
91	70	0.25	71	3	NQI		015	+21.14	UTE	LTE				94		510UL	04/03 RFO
91	71	0.80	84	P 1	NQI		UTS	+19.74	UTE	LTE				93		510UL	04/03 RFO
91	81	6.76	190	P 1	DNT		LTE	+5.74	UTE	LTE				93		510UL	04/03 RFO
		0.45	106	3	NQI		006	+26.81	UTE	LTE				93		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
91	84	0.48	113	3	NQI		007	+28.59	UTE	LTE				93		510UL	04/03 RFO
		0.52	82	3	NQI		002	+33.08	UTE	LTE				93		510UL	04/03 RFO
91	86	0.77	112	3	NQI		005	+14.84	UTE	LTE				93		510UL	04/03 RFO
		28.46	179	P 1	DNT		LTS	+0.13	UTE	LTE				93		510UL	04/03 RFO
91	88	30.35	178	P 1	DNT		LTS	+0.04	UTE	LTE				93		510UL	04/03 RFO
91	89	35.98	178	P 1	DNT		LTS	+0.09	UTE	LTE				94		510UL	04/03 RFO
		0.59	99	3	NQI		010	+13.15	UTE	LTE				94		510UL	04/03 RFO
91	91	13.21	168	P 1	DNT		LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
		0.81	114	3	NQI		011	+32.27	LTE	UTE				156		510UL	04/03 RFO
		0.46	93	3	NQI		009	+24.46	LTE	UTE				156		510UL	04/03 RFO
		0.40	96	3	NQI		009	+27.61	LTE	UTE				156		510UL	04/03 RFO
		0.41	110	3	NQI		010	+15.11	LTE	UTE				156		510UL	04/03 RFO
		0.39	82	3	NQI		010	+19.84	LTE	UTE				156		510UL	04/03 RFO
91	94	0.47	93	P 1	NQI		UTS	+18.64	LTE	UTE				157		510UL	04/03 RFO
91	99	0.31	62	3	NQI		013	+20.76	LTE	UTE				156		510UL	04/03 RFO
91	108	26.09	185	3	DNT		LTE	+10.75	LTE	UTE				156		510UL	04/03 RFO
91	110	0.32	80	3	NQI		010	+17.91	LTE	UTE				157		510UL	04/03 RFO
91	111	0.71	105	P 1	NQI		014	+0.91	LTE	UTE				156		510UL	04/03 RFO
91	118	1.42	156	3	NQI		014	+1.21	LTE	UTE				156		510UL	04/03 RFO
91	119	1.20	105	P 1	NQI		015	-0.59	LTE	UTE				157		510UL	04/03 RFO
91	120	0.62	147	P 1	NQI		008	-0.64	LTE	UTE				156		510UL	04/03 RFO
91	123	0.32	90	P 1	NQI		010	+0.22	LTE	UTE				157		510UL	04/03 RFO
91	125	0.73	106	P 1	NQI		009	+0.58	LTE	UTE				157		510UL	04/03 RFO
		2.01	109	3	NQI		014	+2.38	LTE	UTE				157		510UL	04/03 RFO
		1.62	91	3	NQI		014	+2.60	LTE	UTE				157		510UL	04/03 RFO
92	3	0.57	101	P 1	NQI		010	+0.60	014	LTE				36		510UL	04/03 RFO
92	21	0.29	85	3	NQI		015	+36.49	UTE	LTE				17		510UL	04/03 RFO
92	29				OBS		UTS	+14.51	UTS	LTE				32		510UL	04/03 RFO
					ROB				UTS	LTE				32		510UL	04/03 RFO
92	31	0.31	65	3	NQI		012	+24.46	UTE	LTE				40		510UL	04/03 RFO
92	52	9.01	180	P 1	DNT		LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
92	53	11.18	180	P 1	DNT		LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
92	54	27.96	179	P 1	DNT		LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
92	55	29.79	180	P 1	DNT		LTS	+0.16	LTE	UTE				5		510UL	04/03 RFO
		0.28	82	3	NQI		012	+1.78	LTE	UTE				5		510UL	04/03 RFO
92	56	0.37	108	3	NQI		002	+29.71	LTE	UTE				5		510UL	04/03 RFO
		29.86	178	P 1	DNT		LTS	+0.27	LTE	UTE				5		510UL	04/03 RFO
92	57	25.31	178	P 1	DNT		LTS	+0.27	LTE	UTE				5		510UL	04/03 RFO
92	58	26.98	181	P 1	DNT		LTS	+0.10	LTE	UTE				7		510UL	04/03 RFO
		0.20	74	P 1	NQI		010	-0.17	LTE	UTE				7		510UL	04/03 RFO
		0.42	62	3	NQI		012	+7.86	LTE	UTE				7		510UL	04/03 RFO
92	59	23.59	176	P 1	DNT		LTS	+0.04	LTE	UTE				6		510UL	04/03 RFO
		11.87	177	3	DNT		LTS	+0.61	LTE	UTE				6		510UL	04/03 RFO
92	60	39.37	181	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
		0.52	104	P 1	NQI		UTS	+17.94	LTE	UTE				7		510UL	04/03 RFO
92	61	25.37	181	P 1	DNT		LTS	+0.17	LTE	UTE				6		510UL	04/03 RFO
		0.43	119	3	NQI		006	+31.63	LTE	UTE				6		510UL	04/03 RFO
		0.59	128	P 1	NQI		UTS	+19.47	LTE	UTE				6		510UL	04/03 RFO
92	62	12.31	178	P 1	DNT		LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
		19.79	179	3	DNT		LTS	+0.62	LTE	UTE				7		510UL	04/03 RFO
92	63	13.56	182	P 1	DNT		LTS	+0.57	LTE	UTE				6		510UL	04/03 RFO
92	64	9.93	184	P 1	DNT		LTS	+0.54	UTE	LTE				123		510UL	04/03 RFO
92	65	14.13	182	3	DNT		LTS	+0.58	UTE	LTE				93		510UL	04/03 RFO
92	78	0.55	118	3	NQI		006	+22.33	UTE	LTE				94		510UL	04/03 RFO
92	81	0.77	102	P 1	NQI		UTS	+19.24	UTE	LTE				93		510UL	04/03 RFO
92	87	12.78	181	P 1	DNT		LTS	+0.18	UTE	LTE				93		510UL	04/03 RFO
92	88	36.71	178	P 1	DNT		LTS	+0.09	UTE	LTE				94		510UL	04/03 RFO
92	90	0.40	106	3	NQI		008	+5.55	UTE	LTE				93		510UL	04/03 RFO
		31.14	177	P 1	DNT		LTS	+0.07	UTE	LTE				93		510UL	04/03 RFO
92	91	0.30	108	3	NQI		009	+26.69	UTE	LTE				94		510UL	04/03 RFO
		37.39	177	P 1	DNT		LTS	+0.07	UTE	LTE				94		510UL	04/03 RFO
92	92	28.59	173	P 1	DNT		LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
92	93	23.98	178	P 1	DNT		LTS	+0.00	LTE	UTE				157		510UL	04/03 RFO
92	94	11.21	177	P 1	DNT		LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
92	109	0.54	81	3	NQI		012	+30.90	LTE	UTE				156		510UL	04/03 RFO
92	112	0.38	39	3	NQI		008	+32.27	LTE	UTE				157		510UL	04/03 RFO
		0.67	129	3	NQI		006	+35.66	LTE	UTE				157		510UL	04/03 RFO
92	115	0.41	86	3	NQI		014	+31.34	LTE	UTE				156		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
92	117	0.25	61	3	NQI		011	+7.11	LTE	UTE				156		510UL	04/03 RFO
93	3	0.50	94	P 1	NQI		010	+0.54	014	LTE				35		510UL	04/03 RFO
93	11	0.43	109	3	NQI		001	+27.54	UTE	LTE				17		510UL	04/03 RFO
93	12	0.79	87	3	NQI		003	+8.50	UTE	LTE				16		510UL	04/03 RFO
93	35	0.31	96	3	NQI		011	+28.42	UTE	LTE				40		510UL	04/03 RFO
93	48	6.67	176	P 1	DNT		LTS	-0.06	UTE	LTE				40		510UL	04/03 RFO
93	49	11.04	178	P 1	DNT		LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
93	50	16.94	178	P 1	DNT		LTS	+0.04	LTE	UTE				5		510UL	04/03 RFO
93	51	16.34	179	P 1	DNT		LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
93	52	23.37	177	P 1	DNT		LTS	+0.11	LTE	UTE				5		510UL	04/03 RFO
93	53	30.32	181	P 1	DNT		LTS	+0.16	LTE	UTE				5		510UL	04/03 RFO
93	54	23.31	180	P 1	DNT		LTS	+0.25	LTE	UTE				5		510UL	04/03 RFO
93	55	13.68	173	P 1	DNT		LTS	+0.04	LTE	UTE				5		510UL	04/03 RFO
		17.15	183	P 1	DNT		LTS	+0.38	LTE	UTE				5		510UL	04/03 RFO
93	56	16.22	175	P 1	DNT		LTS	+0.10	LTE	UTE				7		510UL	04/03 RFO
		16.29	178	3	DNT		LTS	+0.63	LTE	UTE				7		510UL	04/03 RFO
93	57	27.85	180	P 1	DNT		LTS	+0.11	LTE	UTE				6		510UL	04/03 RFO
		8.57	177	3	DNT		LTS	+0.61	LTE	UTE				6		510UL	04/03 RFO
93	58	25.43	180	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
		11.96	181	3	DNT		LTS	+0.66	LTE	UTE				7		510UL	04/03 RFO
93	59	12.37	183	P 1	DNT		LTS	+0.15	LTE	UTE				6		510UL	04/03 RFO
		11.95	177	3	DNT		LTS	+0.61	LTE	UTE				6		510UL	04/03 RFO
93	60	10.82	180	3	DNT		LTS	+0.60	LTE	UTE				7		510UL	04/03 RFO
93	61	13.44	177	3	DNT		LTS	+0.66	LTE	UTE				6		510UL	04/03 RFO
93	62	7.26	183	3	DNT		LTS	+0.63	UTE	LTE				123		510UL	04/03 RFO
93	63	7.83	182	3	DNT		LTS	+0.69	UTE	LTE				93		510UL	04/03 RFO
93	64	6.55	181	3	DNT		LTS	+0.89	UTE	LTE				94		510UL	04/03 RFO
93	84	36.92	183	P 1	DNT		LTS	+0.13	UTE	LTE				93		510UL	04/03 RFO
93	85	35.87	178	P 1	DNT		LTS	+0.13	UTE	LTE				94		510UL	04/03 RFO
93	87	29.21	177	P 1	DNT		LTS	+0.04	UTE	LTE				93		510UL	04/03 RFO
93	89	10.71	172	P 1	DNT		LTS	+0.00	LTE	UTE				156		510UL	04/03 RFO
93	90	8.71	175	P 1	DNT		LTS	+0.20	LTE	UTE				157		510UL	04/03 RFO
93	122	1.13	119	3	NQI		008	+1.48	LTE	UTE				153		510UL	04/03 RFO
93	123	0.81	95	P 1	NQI		011	-0.79	LTE	UTE				152		510UL	04/03 RFO
		1.10	98	P 1	NQI		009	+0.61	LTE	UTE				152		510UL	04/03 RFO
		2.18	115	3	NQI		009	+1.12	LTE	UTE				152		510UL	04/03 RFO
94	2	0.70	101	P 1	NQI		012	-0.80	014	LTE				35		510UL	04/03 RFO
		1.74	89	P 1	NQI		011	+0.61	014	LTE				35		510UL	04/03 RFO
94	4	0.24	104	3	NQI		014	+29.34	UTE	LTE				17		510UL	04/03 RFO
94	20	0.21	82	3	NQI		014	+13.34	UTE	LTE				17		510UL	04/03 RFO
94	26	0.32	81	3	NQI		LTS	+31.76	UTE	LTE				17		510UL	04/03 RFO
		1.19	99	P 1	NQI		014	+0.74	UTE	LTE				17		510UL	04/03 RFO
94	34	0.27	111	3	NQI		010	+19.12	UTE	LTE				45		510UL	04/03 RFO
		0.28	95	3	NQI		008	+26.68	UTE	LTE				45		510UL	04/03 RFO
		0.32	117	3	NQI		007	+13.43	UTE	LTE				45		510UL	04/03 RFO
94	50	12.69	174	P 1	DNT		LTS	-0.06	UTE	LTE				44		510UL	04/03 RFO
94	51	18.35	180	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
94	52	16.53	180	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
94	53	14.61	178	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
94	54	18.41	176	P 1	DNT		LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
94	55	19.08	180	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
94	56	20.41	178	P 1	DNT		LTS	+0.27	LTE	UTE				5		510UL	04/03 RFO
94	57	11.41	174	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
		14.74	181	P 1	DNT		LTS	+0.36	LTE	UTE				5		510UL	04/03 RFO
		0.35	86	3	NQI		006	+10.46	LTE	UTE				5		510UL	04/03 RFO
94	58	20.79	176	P 1	DNT		LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
		6.21	181	3	DNT		LTS	+0.45	LTE	UTE				5		510UL	04/03 RFO
94	59	35.68	180	P 1	DNT		LTS	+0.10	LTE	UTE				7		510UL	04/03 RFO
		11.17	177	3	DNT		LTS	+0.62	LTE	UTE				7		510UL	04/03 RFO
		0.33	118	3	NQI		008	+8.58	LTE	UTE				7		510UL	04/03 RFO
94	60	10.91	179	P 1	DNT		LTS	+0.13	LTE	UTE				6		510UL	04/03 RFO
		17.68	177	3	DNT		LTS	+0.61	LTE	UTE				6		510UL	04/03 RFO
94	61	8.89	181	3	DNT		LTS	+0.64	LTE	UTE				7		510UL	04/03 RFO
		18.24	181	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
94	62	10.22	175	3	DNT		LTS	+0.68	LTE	UTE				6		510UL	04/03 RFO
94	63	10.12	182	3	DNT		LTS	+0.72	LTE	UTE				6		510UL	04/03 RFO
94	66	6.08	177	3	DNT		LTS	+0.68	UTE	LTE				155		510UL	04/03 RFO
		0.34	111	P 1	NQI		002	-0.73	UTE	LTE				155		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
94	70	0.26	105	P 1	NQI		003	-0.73	UTE	LTE				155		510UL	04/03 RFO
94	83	0.28	100	3	NQI		014	+18.00	UTE	LTE				94		510UL	04/03 RFO
94	86	21.37	180	P 1	DNT		LTS	+0.00	UTE	LTE				93		510UL	04/03 RFO
94	87	43.72	182	P 1	DNT		LTS	+0.13	UTE	LTE				94		510UL	04/03 RFO
94	91	23.18	181	P 1	DNT		LTS	+0.00	UTE	LTE				93		510UL	04/03 RFO
94	92	11.53	176	P 1	DNT		LTS	-0.22	LTE	UTE				152		510UL	04/03 RFO
94	93	7.01	176	P 1	DNT		LTS	+0.00	LTE	UTE				153		510UL	04/03 RFO
94	95	6.85	186	3	DNT		LTE	+12.45	LTE	UTE				152		510UL	04/03 RFO
		10.63	184	3	DNT		LTE	+12.65	LTE	UTE				152		510UL	04/03 RFO
		13.39	186	3	DNT		LTE	+13.09	LTE	UTE				152		510UL	04/03 RFO
		2.08	98	P 1	NQI		LTS	-1.17	LTE	UTE				152		510UL	04/03 RFO
94	112	0.63	74	P 1	NQI		015	+0.61	LTE	UTE				153		510UL	04/03 RFO
94	120	0.33	100	3	NQI		010	+33.65	LTE	UTE				153		510UL	04/03 RFO
94	122	0.64	116	3	NQI		014	+1.35	LTE	UTE				153		510UL	04/03 RFO
94	124	0.32	76	3	NQI		001	+10.39	LTE	UTE				153		510UL	04/03 RFO
		0.79	99	3	NQI		008	+18.18	LTE	UTE				153		510UL	04/03 RFO
		1.29	51	P 1	NQI		015	+0.86	LTE	UTE				153		510UL	04/03 RFO
94	126	0.46	94	P 1	NQI		009	-0.72	LTE	UTE				153		510UL	04/03 RFO
94	129	0.37	89	P 1	NQI		013	+0.98	LTE	UTE				153		510UL	04/03 RFO
95	1	0.29	107	P 1	NQI		012	+0.13	014	LTE				36		510UL	04/03 RFO
95	30	0.31	130	3	NQI		015	+44.34	UTE	LTE				45		510UL	04/03 RFO
95	34	0.17	97	P 1	NQI		013	-0.16	UTE	LTE				45		510UL	04/03 RFO
95	49	9.55	172	P 1	DNT		LTS	+0.02	UTE	LTE				44		510UL	04/03 RFO
95	50	13.97	181	P 1	DNT		LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
95	51	14.54	178	P 1	DNT		LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
95	52	19.96	178	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
95	53	19.78	177	P 1	DNT		LTS	+0.00	LTE	UTE				2		510UL	04/03 RFO
95	54	25.51	180	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
95	55	14.62	175	P 1	DNT		LTS	+0.27	LTE	UTE				5		510UL	04/03 RFO
95	56	15.40	175	P 1	DNT		LTS	+0.25	LTE	UTE				5		510UL	04/03 RFO
95	57	18.99	176	P 1	DNT		LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
		13.22	178	3	DNT		LTS	+0.47	LTE	UTE				5		510UL	04/03 RFO
95	58	0.27	113	P 1	NQI		UTS	+14.78	LTE	UTE				5		510UL	04/03 RFO
		16.78	175	3	DNT		LTS	+0.74	LTE	UTE				5		510UL	04/03 RFO
		23.74	176	P 1	DNT		LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
95	59	19.40	179	P 1	DNT		LTS	+0.13	LTE	UTE				6		510UL	04/03 RFO
		18.38	174	3	DNT		LTS	+0.63	LTE	UTE				6		510UL	04/03 RFO
95	60	17.42	175	P 1	DNT		LTS	+0.13	LTE	UTE				2		510UL	04/03 RFO
		15.96	178	3	DNT		LTS	+0.63	LTE	UTE				2		510UL	04/03 RFO
95	61	15.75	180	3	DNT		LTS	+0.76	LTE	UTE				7		510UL	04/03 RFO
		11.51	176	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
		12.54	184	3	DNT		014	+30.60	LTE	UTE				7		510UL	04/03 RFO
		0.36	121	3	NQI		015	+40.77	LTE	UTE				7		510UL	04/03 RFO
95	62	8.58	180	3	DNT		LTS	+0.79	LTE	UTE				6		510UL	04/03 RFO
		0.53	134	P 1	NQI		UTS	+18.31	LTE	UTE				6		510UL	04/03 RFO
95	66	0.36	96	P 1	NQI		003	-0.72	UTE	LTE				155		510UL	04/03 RFO
		0.30	89	P 1	NQI		002	-0.75	UTE	LTE				155		510UL	04/03 RFO
95	69	0.70	59	3	NQI		014	+24.23	UTE	LTE				94		510UL	04/03 RFO
95	70	0.36	133	P 1	NQI		002	-0.77	UTE	LTE				155		510UL	04/03 RFO
95	76	0.31	98	P 1	NQI		003	-0.75	UTE	LTE				155		510UL	04/03 RFO
95	78	0.27	89	3	NQI		015	+23.02	UTE	LTE				155		510UL	04/03 RFO
95	84	18.02	180	P 1	DNT		LTS	+0.14	UTE	LTE				155		510UL	04/03 RFO
		0.25	90	P 1	NQI		003	-0.75	UTE	LTE				155		510UL	04/03 RFO
95	85	32.15	182	P 1	DNT		LTS	+0.16	UTE	LTE				94		510UL	04/03 RFO
95	86	29.00	182	P 1	DNT		LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
		0.27	96	P 1	NQI		003	-0.70	UTE	LTE				155		510UL	04/03 RFO
95	87	34.53	180	P 1	DNT		LTS	+0.11	UTE	LTE				94		510UL	04/03 RFO
95	88	23.50	179	P 1	DNT		LTS	+0.07	UTE	LTE				155		510UL	04/03 RFO
95	89	17.14	171	P 1	DNT		LTS	+0.05	UTE	LTE				94		510UL	04/03 RFO
95	90	29.42	179	P 1	DNT		LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
95	91	8.48	183	P 1	DNT		LTS	-0.09	UTE	LTE				94		510UL	04/03 RFO
95	92	0.43	75	3	NQI		001	+35.71	LTE	UTE				152		510UL	04/03 RFO
95	112	0.66	87	3	NQI		011	+32.15	LTE	UTE				153		510UL	04/03 RFO
95	114	0.32	90	3	NQI		013	+22.60	LTE	UTE				153		510UL	04/03 RFO
95	117	0.95	53	3	NQI		014	+10.25	LTE	UTE				152		510UL	04/03 RFO
95	122	0.47	96	P 1	NQI		008	-0.72	LTE	UTE				153		510UL	04/03 RFO
95	125	0.61	69	3	NQI		012	+26.25	LTE	UTE				152		510UL	04/03 RFO
95	128	0.89	97	P 1	NQI		014	+0.87	LTE	UTE				153		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
96	4	13.10	23	P	1	NQI	UTS	-0.11	LTE	UTE				153		510UL	04/03 RFO
		0.95	107	P	1	NQI	004	-0.78	UTE	LTE				16		510UL	04/03 RFO
96	25	0.44	104	3		NQI	014	+4.43	UTE	LTE				17		510UL	04/03 RFO
96	30	0.26	83	3		NQI	014	+28.96	UTE	LTE				44		510UL	04/03 RFO
96	34	0.31	97	3		NQI	012	+33.76	UTE	LTE				44		510UL	04/03 RFO
96	47	6.05	175	P	1	DNT	LTS	+0.00	UTE	LTE				45		510UL	04/03 RFO
96	48	11.43	172	P	1	DNT	LTS	+0.00	UTE	LTE				44		510UL	04/03 RFO
96	49	11.17	172	P	1	DNT	LTS	-0.04	UTE	LTE				44		510UL	04/03 RFO
96	50	13.26	178	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
96	51	15.16	176	P	1	DNT	LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
96	52	21.43	178	P	1	DNT	LTS	+0.20	LTE	UTE				5		510UL	04/03 RFO
96	53	0.66	120	P	1	NQI	UTS	+19.18	LTE	UTE				5		510UL	04/03 RFO
		17.00	177	P	1	DNT	LTS	+0.18	LTE	UTE				5		510UL	04/03 RFO
96	54	1.01	127	P	1	NQI	UTS	+19.40	LTE	UTE				5		510UL	04/03 RFO
		17.16	177	P	1	DNT	LTS	+0.20	LTE	UTE				5		510UL	04/03 RFO
96	55	8.06	182	P	1	DNT	LTS	+0.42	LTE	UTE				5		510UL	04/03 RFO
96	56	15.24	178	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
		16.70	183	P	1	DNT	LTS	+0.49	LTE	UTE				5		510UL	04/03 RFO
96	57	23.35	178	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
		7.47	184	P	1	DNT	LTS	+0.56	LTE	UTE				5		510UL	04/03 RFO
96	58	10.85	179	3		DNT	LTS	+0.76	LTE	UTE				5		510UL	04/03 RFO
		26.95	177	P	1	DNT	LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
96	59	24.41	178	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
		15.11	180	3		DNT	LTS	+0.74	LTE	UTE				7		510UL	04/03 RFO
96	60	15.37	177	P	1	DNT	LTS	+0.17	LTE	UTE				6		510UL	04/03 RFO
		15.74	177	3		DNT	LTS	+0.74	LTE	UTE				6		510UL	04/03 RFO
		0.36	106	3		TWD	21 010	+17.01	LTE	UTE				6		510UL	04/03 RFO
		0.45	81	3		NQI	014	+5.41	LTE	UTE				6		510UL	04/03 RFO
		0.37	119	3		NQI	015	+20.80	LTE	UTE				6		510UL	04/03 RFO
		0.42	73	3		NQI	008	+10.59	LTE	UTE				6		510UL	04/03 RFO
		0.52	95	3		NQI	010	+33.64	LTE	UTE				6		510UL	04/03 RFO
		0.52	91	3		NQI	015	+20.68	LTE	UTE				6		510UL	04/03 RFO
96	62	1.07	100	P	1	NQI	LTS	+0.02	LTE	UTE				6		510UL	04/03 RFO
96	63	0.38	112	3		NQI	014	+10.30	UTE	LTE				123		510UL	04/03 RFO
96	64	7.12	184	3		DNT	LTS	+0.85	UTE	LTE				123		510UL	04/03 RFO
96	65	6.32	189	3		DNT	LTS	+0.98	UTE	LTE				124		510UL	04/03 RFO
96	66	0.45	77	P	1	NQI	003	-0.90	UTE	LTE				155		510UL	04/03 RFO
		0.39	82	P	1	NQI	002	-0.84	UTE	LTE				155		510UL	04/03 RFO
96	67	0.46	150	P	1	NQI	004	-0.79	UTE	LTE				155		510UL	04/03 RFO
		0.30	113	P	1	NQI	003	-0.79	UTE	LTE				155		510UL	04/03 RFO
		0.29	69	P	1	NQI	002	-0.86	UTE	LTE				155		510UL	04/03 RFO
96	68	0.22	112	P	1	NQI	003	-0.79	UTE	LTE				155		510UL	04/03 RFO
96	69	0.27	112	P	1	NQI	002	-0.75	UTE	LTE				155		510UL	04/03 RFO
96	70	0.31	117	P	1	NQI	003	-0.75	UTE	LTE				155		510UL	04/03 RFO
		0.28	72	P	1	NQI	002	-0.82	UTE	LTE				155		510UL	04/03 RFO
96	71	0.40	49	P	1	NQI	003	-0.75	UTE	LTE				155		510UL	04/03 RFO
96	72	0.35	124	3		NQI	006	+23.16	UTE	LTE				155		510UL	04/03 RFO
96	73	0.30	98	P	1	NQI	003	-0.75	UTE	LTE				155		510UL	04/03 RFO
96	74	0.33	60	P	1	NQI	003	-0.77	UTE	LTE				155		510UL	04/03 RFO
		0.29	75	P	1	NQI	002	-0.77	UTE	LTE				155		510UL	04/03 RFO
96	75	0.37	85	P	1	NQI	003	-0.75	UTE	LTE				155		510UL	04/03 RFO
96	77	6.20	186	3		DNT	LTS	+1.07	UTE	LTE				155		510UL	04/03 RFO
96	78	0.35	92	3		NQI	006	+20.95	UTE	LTE				155		510UL	04/03 RFO
96	79	0.32	104	3		NQI	006	+22.59	UTE	LTE				155		510UL	04/03 RFO
		1.00	128	P	1	NQI	UTS	+19.13	UTE	LTE				155		510UL	04/03 RFO
		0.88	118	P	1	NQI	UTS	+18.62	UTE	LTE				155		510UL	04/03 RFO
96	82	14.56	181	P	1	DNT	LTS	+0.27	UTE	LTE				155		510UL	04/03 RFO
		0.25	82	P	1	NQI	003	-0.77	UTE	LTE				155		510UL	04/03 RFO
96	83	30.72	181	P	1	DNT	LTS	+0.14	UTE	LTE				94		510UL	04/03 RFO
96	85	47.24	182	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
96	86	23.45	177	P	1	DNT	LTS	+0.07	UTE	LTE				94		510UL	04/03 RFO
96	87	1.04	101	3		NQI	011	+2.12	UTE	LTE				155		510UL	04/03 RFO
		0.95	113	3		NQI	010	+13.42	UTE	LTE				155		510UL	04/03 RFO
		0.75	124	3		NQI	008	+22.24	UTE	LTE				155		510UL	04/03 RFO
		19.88	180	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
		0.36	112	3		NQI	010	+34.54	UTE	LTE				155		510UL	04/03 RFO
		0.53	134	P	1	NQI	009	-0.89	UTE	LTE				155		510UL	04/03 RFO
96	88	22.39	172	P	1	DNT	LTS	+0.11	UTE	LTE				94		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
96	90	10.21	180	P 1	DNT		LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
		0.43	61	P 1	NQI		003	-0.86	UTE	LTE				155		510UL	04/03 RFO
		0.35	97	P 1	NQI		004	-0.88	UTE	LTE				155		510UL	04/03 RFO
96	95	1.22	107	3	NQI		011	+8.24	LTE	UTE				152		510UL	04/03 RFO
		0.45	97	3	NQI		012	+10.49	LTE	UTE				152		510UL	04/03 RFO
		0.77	74	3	NQI		012	+11.32	LTE	UTE				152		510UL	04/03 RFO
		0.65	122	3	NQI		012	+11.72	LTE	UTE				152		510UL	04/03 RFO
96	105	0.55	108	3	NQI		009	+26.57	LTE	UTE				152		510UL	04/03 RFO
96	106	0.34	81	3	NQI		013	+23.38	LTE	UTE				153		510UL	04/03 RFO
96	115	0.54	128	3	NQI		005	+27.35	LTE	UTE				152		510UL	04/03 RFO
		0.84	112	3	NQI		011	+17.31	LTE	UTE				152		510UL	04/03 RFO
96	119	0.96	109	3	NQI		009	+1.26	LTE	UTE				152		510UL	04/03 RFO
96	126	0.59	116	3	NQI		008	+34.52	LTE	UTE				153		510UL	04/03 RFO
97	2	0.66	101	P 1	NQI		010	+0.48	UTE	LTE				71		510UL	04/03 RFO
		0.63	90	P 1	NQI		006	+0.95	UTE	LTE				71		510UL	04/03 RFO
97	14	1.58	119	3	NQI		015	+8.44	UTE	LTE				17		510UL	04/03 RFO
		18.40	113	3	NQI		013	+18.80	UTE	LTE				17		510UL	04/03 RFO
97	31	0.55	70	3	NQI		014	+10.14	UTE	LTE				44		510UL	04/03 RFO
97	32	0.21	64	P 1	NQI		009	-0.13	UTE	LTE				45		510UL	04/03 RFO
97	33	0.40	97	3	NQI		013	+4.61	UTE	LTE				44		510UL	04/03 RFO
97	38	0.51	98	3	NQI		LTS	+19.97	UTE	LTE				45		510UL	04/03 RFO
97	45	6.43	171	P 1	DNT		LTS	+0.00	UTE	LTE				44		510UL	04/03 RFO
97	47	9.08	172	P 1	DNT		LTS	+0.00	UTE	LTE				44		510UL	04/03 RFO
97	48	8.51	171	P 1	DNT		LTS	-0.02	UTE	LTE				44		510UL	04/03 RFO
97	49	12.05	179	P 1	DNT		LTS	+0.06	UTE	LTE				66		510UL	04/03 RFO
97	50	22.44	177	P 1	DNT		LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
97	51	23.09	179	P 1	DNT		LTS	+0.22	LTE	UTE				5		510UL	04/03 RFO
97	52	18.04	178	P 1	DNT		LTS	+0.20	LTE	UTE				5		510UL	04/03 RFO
97	53	19.67	177	P 1	DNT		LTS	+0.16	LTE	UTE				5		510UL	04/03 RFO
97	54	17.09	177	P 1	DNT		LTS	+0.31	LTE	UTE				5		510UL	04/03 RFO
97	55	12.15	183	P 1	DNT		LTS	+0.36	LTE	UTE				5		510UL	04/03 RFO
		7.99	168	P 1	DNT		LTS	+0.07	LTE	UTE				5		510UL	04/03 RFO
97	56	11.43	185	P 1	DNT		LTS	+0.45	LTE	UTE				5		510UL	04/03 RFO
		16.64	178	P 1	DNT		LTS	+0.04	LTE	UTE				5		510UL	04/03 RFO
97	57	25.04	178	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
		0.62	113	P 1	NQI		UTS	+15.83	LTE	UTE				5		510UL	04/03 RFO
		0.49	118	P 1	NQI		UTS	+18.00	LTE	UTE				5		510UL	04/03 RFO
		8.43	185	P 1	DNT		LTS	+0.56	LTE	UTE				5		510UL	04/03 RFO
97	58	28.48	179	P 1	DNT		LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
		0.52	120	P 1	NQI		UTS	+19.65	LTE	UTE				5		510UL	04/03 RFO
		11.38	181	3	DNT		LTS	+0.65	LTE	UTE				5		510UL	04/03 RFO
97	59	21.84	180	P 1	DNT		LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
		12.30	182	3	DNT		LTS	+0.73	LTE	UTE				7		510UL	04/03 RFO
97	61	11.40	185	P 1	DNT		LTS	+0.25	LTE	UTE				7		510UL	04/03 RFO
		10.64	183	3	DNT		LTS	+0.84	LTE	UTE				7		510UL	04/03 RFO
		2.02	70	P 1	DWI		LTS	+0.04	LTE	UTE				7		510UL	04/03 RFO
97	62	0.55	119	P 1	NQI		UTS	+18.15	LTE	UTE				6		510UL	04/03 RFO
97	64	9.29	184	3	DNT		LTS	+0.85	UTE	LTE				124		510UL	04/03 RFO
97	65	13.09	179	3	DNT		LTS	+0.65	UTE	LTE				123		510UL	04/03 RFO
97	66	7.00	180	3	DNT		LTS	+0.73	UTE	LTE				155		510UL	04/03 RFO
97	67	0.45	114	P 1	NQI		004	-0.86	UTE	LTE				155		510UL	04/03 RFO
		0.23	72	P 1	NQI		002	-0.73	UTE	LTE				155		510UL	04/03 RFO
97	68	0.30	118	P 1	NQI		003	-0.77	UTE	LTE				155		510UL	04/03 RFO
		0.30	83	P 1	NQI		002	-0.82	UTE	LTE				155		510UL	04/03 RFO
97	70	0.26	95	P 1	NQI		003	-0.85	UTE	LTE				155		510UL	04/03 RFO
97	73	0.31	117	P 1	NQI		003	-0.82	UTE	LTE				155		510UL	04/03 RFO
		8.68	184	3	DNT		LTS	+0.64	UTE	LTE				155		510UL	04/03 RFO
97	74	0.25	105	P 1	NQI		003	-0.99	UTE	LTE				155		510UL	04/03 RFO
97	75	0.17	88	P 1	NQI		003	-0.95	UTE	LTE				155		510UL	04/03 RFO
97	76	18.66	180	3	DNT		LTS	+1.18	UTE	LTE				155		510UL	04/03 RFO
		0.24	97	P 1	NQI		003	-0.86	UTE	LTE				155		510UL	04/03 RFO
97	77	11.27	184	3	DNT		LTS	+0.89	UTE	LTE				155		510UL	04/03 RFO
97	78	6.84	185	3	DNT		LTS	+0.84	UTE	LTE				155		510UL	04/03 RFO
		7.40	181	P 1	DNT		LTS	+0.20	UTE	LTE				155		510UL	04/03 RFO
97	79	14.27	181	P 1	DNT		LTS	+0.23	UTE	LTE				155		510UL	04/03 RFO
		0.42	117	3	NQI		006	+22.01	UTE	LTE				155		510UL	04/03 RFO
97	80	15.55	181	P 1	DNT		LTS	+0.14	UTE	LTE				155		510UL	04/03 RFO
97	81	27.69	182	P 1	DNT		LTS	+0.11	UTE	LTE				155		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
97	82	0.24	108	P	1	NQI	003	-0.86	UTE	LTE				155	510UL	04/03	RFO
		28.44	182	P	1	DNT	LTS	+0.11	UTE	LTE				155	510UL	04/03	RFO
97	83	39.95	182	P	1	DNT	LTS	+0.18	UTE	LTE				155	510UL	04/03	RFO
97	84	26.03	182	P	1	DNT	LTS	+0.11	UTE	LTE				155	510UL	04/03	RFO
		0.27	79	3		NQI	012	+14.49	UTE	LTE				155	510UL	04/03	RFO
97	85	20.42	180	P	1	DNT	LTS	+0.00	UTE	LTE				155	510UL	04/03	RFO
97	86	17.75	181	P	1	DNT	LTS	+0.16	UTE	LTE				155	510UL	04/03	RFO
97	87	26.85	180	P	1	DNT	LTS	+0.23	UTE	LTE				155	510UL	04/03	RFO
		2.32	18	3		NQI	008	+20.05	UTE	LTE				155	510UL	04/03	RFO
		0.32	129	P	1	NQI	003	-0.88	UTE	LTE				155	510UL	04/03	RFO
97	88	22.05	178	P	1	DNT	LTS	+0.00	UTE	LTE				155	510UL	04/03	RFO
		19.79	181	3		DNT	LTE	+17.08	UTE	LTE				155	510UL	04/03	RFO
97	89	6.46	183	P	1	DNT	LTS	+0.07	UTE	LTE				155	510UL	04/03	RFO
97	126	0.44	103	3		NQI	014	+2.57	LTE	UTE				153	510UL	04/03	RFO
98	3	0.66	87	P	1	NQI	010	+0.60	UTE	LTE				17	510UL	04/03	RFO
		0.73	104	3		NQI	009	+11.60	UTE	LTE	TO+16.85			17	510UL	04/03	RFO
98	4	0.30	97	3		NQI	010	+4.82	UTE	LTE				16	510UL	04/03	RFO
98	5	0.43	106	P	1	NQI	009	-0.67	UTE	LTE				17	510UL	04/03	RFO
98	34	0.30	92	3		NQI	011	+15.24	UTE	LTE				44	510UL	04/03	RFO
98	48	9.79	171	P	1	DNT	LTS	-0.02	UTE	LTE				44	510UL	04/03	RFO
98	49	12.30	179	P	1	DNT	LTS	+0.02	UTE	LTE				66	510UL	04/03	RFO
98	50	16.91	175	P	1	DNT	LTS	+0.11	LTE	UTE				5	510UL	04/03	RFO
98	51	17.88	177	P	1	DNT	LTS	+0.00	LTE	UTE				5	510UL	04/03	RFO
98	52	17.18	177	P	1	DNT	LTS	+0.18	LTE	UTE				5	510UL	04/03	RFO
98	53	13.36	177	P	1	DNT	LTS	+0.27	LTE	UTE				5	510UL	04/03	RFO
98	54	18.05	177	P	1	DNT	LTS	+0.18	LTE	UTE				5	510UL	04/03	RFO
98	55	11.55	174	P	1	DNT	LTS	+0.29	LTE	UTE				5	510UL	04/03	RFO
98	56	10.72	174	P	1	DNT	LTS	+0.07	LTE	UTE				5	510UL	04/03	RFO
		9.94	183	P	1	DNT	LTS	+0.47	LTE	UTE				5	510UL	04/03	RFO
98	57	16.21	178	P	1	DNT	LTS	+0.00	LTE	UTE				5	510UL	04/03	RFO
		8.46	187	P	1	DNT	LTS	+0.51	LTE	UTE				5	510UL	04/03	RFO
98	58	26.37	177	P	1	DNT	LTS	+0.11	LTE	UTE				5	510UL	04/03	RFO
		8.26	186	P	1	DNT	LTS	+0.58	LTE	UTE				5	510UL	04/03	RFO
98	59	36.84	178	P	1	DNT	LTS	+0.13	LTE	UTE				5	510UL	04/03	RFO
		14.40	179	3		DNT	LTS	+0.65	LTE	UTE				5	510UL	04/03	RFO
98	60	34.20	180	P	1	DNT	LTS	+0.19	LTE	UTE				7	510UL	04/03	RFO
		14.22	182	3		DNT	LTS	+0.76	LTE	UTE				7	510UL	04/03	RFO
		0.58	138	3		NQI	006	+21.78	LTE	UTE				7	510UL	04/03	RFO
		0.50	110	3		NQI	011	+30.20	LTE	UTE				7	510UL	04/03	RFO
		0.60	90	3		NQI	012	+29.69	LTE	UTE				7	510UL	04/03	RFO
98	61	19.28	180	P	1	DNT	LTS	+0.20	LTE	UTE				6	510UL	04/03	RFO
		18.16	178	3		DNT	LTS	+0.81	LTE	UTE				6	510UL	04/03	RFO
		0.44	100	3		NQI	015	+29.20	LTE	UTE	TO+33.26			6	510UL	04/03	RFO
98	62	6.64	178	P	1	DNT	LTS	+0.24	LTE	UTE				6	510UL	04/03	RFO
98	63	7.95	186	P	1	DNT	LTS	+0.59	UTE	LTE				123	510UL	04/03	RFO
98	64	8.74	180	3		DNT	LTS	+0.66	UTE	LTE				124	510UL	04/03	RFO
98	65	25.61	177	3		DNT	LTS	+0.72	UTE	LTE				123	510UL	04/03	RFO
98	66	18.89	181	3		DNT	LTS	+0.78	UTE	LTE				124	510UL	04/03	RFO
98	73	7.92	181	3		DNT	LTS	+0.73	UTE	LTE				155	510UL	04/03	RFO
98	74	7.52	182	3		DNT	LTS	+0.68	UTE	LTE				155	510UL	04/03	RFO
98	75	0.42	120	3		NQI	006	+22.02	UTE	LTE				155	510UL	04/03	RFO
98	76	19.67	181	3		DNT	LTS	+0.86	UTE	LTE				155	510UL	04/03	RFO
98	77	13.89	182	P	1	DNT	LTS	+0.25	UTE	LTE				155	510UL	04/03	RFO
		13.44	181	3		DNT	LTS	+0.93	UTE	LTE				155	510UL	04/03	RFO
98	78	20.59	181	P	1	DNT	LTS	+0.22	UTE	LTE				155	510UL	04/03	RFO
		0.37	94	3		NQI	014	+32.34	UTE	LTE				155	510UL	04/03	RFO
98	79	25.62	182	P	1	DNT	LTS	+0.23	UTE	LTE				155	510UL	04/03	RFO
98	80	33.73	182	P	1	DNT	LTS	+0.23	UTE	LTE				155	510UL	04/03	RFO
98	81	33.69	181	P	1	DNT	LTS	+0.14	UTE	LTE				155	510UL	04/03	RFO
98	82	49.28	182	P	1	DNT	LTS	+0.11	UTE	LTE				155	510UL	04/03	RFO
98	83	33.80	182	P	1	DNT	LTS	+0.16	UTE	LTE				155	510UL	04/03	RFO
98	84	30.22	182	P	1	DNT	LTS	+0.07	UTE	LTE				155	510UL	04/03	RFO
98	85	13.59	181	P	1	DNT	LTS	+0.02	UTE	LTE				155	510UL	04/03	RFO
98	86	20.68	182	P	1	DNT	LTS	+0.14	UTE	LTE				155	510UL	04/03	RFO
98	87	32.41	179	P	1	DNT	LTS	+0.11	UTE	LTE				155	510UL	04/03	RFO
98	88	18.84	179	P	1	DNT	LTS	+0.02	UTE	LTE				155	510UL	04/03	RFO
		0.29	77	P	1	NQI	004	-0.91	UTE	LTE				155	510UL	04/03	RFO
		0.25	72	P	1	NQI	003	-0.86	UTE	LTE				155	510UL	04/03	RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
98	89	6.36	181	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
98	91	0.71	93	3		NQI	013	+24.76	LTE	UTE				152		510UL	04/03 RFO
98	121	0.79	76	P	1	NQI	014	+0.90	LTE	UTE				153		510UL	04/03 RFO
98	122	0.77	102	3		NQI	014	+1.21	LTE	UTE				152		510UL	04/03 RFO
99	3	0.60	89	P	1	NQI	010	+0.67	UTE	LTE				20		510UL	04/03 RFO
		0.56	86	3		NQI	009	+15.43	UTE	LTE				20		510UL	04/03 RFO
		0.81	102	3		NQI	009	+13.25	UTE	LTE				20		510UL	04/03 RFO
99	5	0.60	106	3		NQI	008	+17.60	UTE	LTE				20		510UL	04/03 RFO
99	11	0.52	92	3		NQI	LTS	+40.32	UTE	LTE				21		510UL	04/03 RFO
99	14	1.00	99	P	1	NQI	014	+0.72	UTE	LTE				21		510UL	04/03 RFO
99	33	0.27	97	P	1	NQI	LTS	+1.73	UTE	LTE				44		510UL	04/03 RFO
99	40	0.29	71	P	1	NQI	005	-0.60	UTE	LTE				45		510UL	04/03 RFO
99	44	0.35	78	3		NQI	014	+17.84	UTE	LTE				45		510UL	04/03 RFO
99	47	10.24	170	P	1	DNT	LTS	-0.04	UTE	LTE				44		510UL	04/03 RFO
		0.46	98	P	1	NQI	UTS	+15.94	UTE	LTE				44		510UL	04/03 RFO
99	48	7.00	181	P	1	DNT	LTS	+0.00	UTE	LTE				70		510UL	04/03 RFO
99	49	7.72	173	P	1	DNT	LTS	+0.00	UTE	LTE				66		510UL	04/03 RFO
99	50	12.46	180	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
99	51	18.76	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
99	52	16.69	181	P	1	DNT	LTS	+0.09	UTE	LTE				151		510UL	04/03 RFO
99	53	0.65	94	P	1	NQI	014	-0.16	UTE	LTE				151		510UL	04/03 RFO
		12.15	181	P	1	DNT	LTS	+0.09	UTE	LTE				151		510UL	04/03 RFO
99	54	11.79	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
99	55	13.70	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
		0.98	123	3		NQI	LTS	+21.25	UTE	LTE				151		510UL	04/03 RFO
99	56	0.51	101	3		NQI	010	+32.17	UTE	LTE				151		510UL	04/03 RFO
		14.87	182	P	1	DNT	LTS	+0.30	UTE	LTE				151		510UL	04/03 RFO
		6.19	171	P	1	DNT	LTS	-0.05	UTE	LTE				151		510UL	04/03 RFO
99	57	10.15	180	P	1	DNT	LTS	+0.36	UTE	LTE				151		510UL	04/03 RFO
		19.72	178	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
99	58	8.70	182	P	1	DNT	LTS	+0.41	UTE	LTE				151		510UL	04/03 RFO
		28.76	180	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
99	59	12.68	182	P	1	DNT	LTS	+0.50	UTE	LTE				151		510UL	04/03 RFO
		28.42	181	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
99	61	20.66	178	P	1	DNT	LTS	+0.09	UTE	LTE				85		510UL	04/03 RFO
		14.87	179	3		DNT	LTS	+0.63	UTE	LTE				85		510UL	04/03 RFO
99	62	11.45	180	P	1	DNT	LTS	+0.52	UTE	LTE				85		510UL	04/03 RFO
99	63	18.17	185	P	1	DNT	LTS	+0.57	UTE	LTE				123		510UL	04/03 RFO
99	64	22.40	182	3		DNT	LTS	+0.62	UTE	LTE				124		510UL	04/03 RFO
99	65	9.85	185	P	1	DNT	LTS	+0.57	UTE	LTE				123		510UL	04/03 RFO
99	68	6.00	180	3		DNT	LTS	+0.59	UTE	LTE				98		510UL	04/03 RFO
99	74	8.61	179	3		DNT	LTS	+0.72	UTE	LTE				98		510UL	04/03 RFO
99	75	10.67	182	P	1	DNT	LTS	+0.30	UTE	LTE				99		510UL	04/03 RFO
		20.75	178	3		DNT	LTS	+0.83	UTE	LTE				99		510UL	04/03 RFO
99	76	9.92	181	P	1	DNT	LTS	+0.20	UTE	LTE				98		510UL	04/03 RFO
		14.13	179	3		DNT	LTS	+0.87	UTE	LTE				98		510UL	04/03 RFO
99	77	40.08	181	P	1	DNT	LTS	+0.18	UTE	LTE				99		510UL	04/03 RFO
99	78	38.29	178	P	1	DNT	LTS	+0.00	UTE	LTE				98		510UL	04/03 RFO
99	79	40.28	178	P	1	DNT	LTS	+0.09	UTE	LTE				99		510UL	04/03 RFO
		0.37	91	3		NQI	015	+12.62	UTE	LTE				99		510UL	04/03 RFO
99	80	42.96	182	P	1	DNT	LTS	+0.17	UTE	LTE				98		510UL	04/03 RFO
99	81	38.22	179	P	1	DNT	LTS	+0.07	UTE	LTE				99		510UL	04/03 RFO
99	82	29.77	179	P	1	DNT	LTS	+0.00	UTE	LTE				98		510UL	04/03 RFO
99	83	27.79	178	P	1	DNT	LTS	+0.05	UTE	LTE				99		510UL	04/03 RFO
99	84	10.91	176	P	1	DNT	LTS	+0.15	UTE	LTE				98		510UL	04/03 RFO
99	85	24.62	176	P	1	DNT	LTS	+0.09	UTE	LTE				99		510UL	04/03 RFO
99	86	46.61	180	P	1	DNT	LTS	+0.04	UTE	LTE				98		510UL	04/03 RFO
99	87	18.72	177	P	1	DNT	LTS	+0.00	UTE	LTE				99		510UL	04/03 RFO
99	93	0.34	86	3		NQI	013	+12.63	LTE	UTE				152		510UL	04/03 RFO
99	97	0.60	88	3		NQI	LTS	+33.15	LTE	UTE				152		510UL	04/03 RFO
99	124	0.68	110	3		NQI	008	+1.41	LTE	UTE				153		510UL	04/03 RFO
99	126	0.49	105	3		NQI	LTS	+0.88	LTE	UTE				153		510UL	04/03 RFO
100	3	0.37	99	3		NQI	009	+11.06	UTE	LTE				21		510UL	04/03 RFO
100	7	0.48	80	3		NQI	010	+4.55	UTE	LTE				21		510UL	04/03 RFO
100	11	3.47	97	P	1	TWD	013	+0.70	UTE	LTE				21		510UL	04/03 RFO
100	28	0.25	102	3		NQI	011	+22.41	UTE	LTE				45		510UL	04/03 RFO
100	47	8.65	169	P	1	DNT	LTS	-0.06	UTE	LTE				44		510UL	04/03 RFO
100	48	12.16	177	P	1	DNT	LTS	-0.02	UTE	LTE				66		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
100	49	0.38	104	3	NQI		006	+29.36	UTE	LTE				151		510UL	04/03 RFO
		13.64	179	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
100	50	0.32	61	3	NQI		011	+23.00	UTE	LTE				151		510UL	04/03 RFO
		0.42	127	3	NQI		002	+33.55	UTE	LTE				151		510UL	04/03 RFO
		14.25	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
100	51	16.72	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
		4.36	96	6	ADI		LTS	+21.49	UTE	LTE				151		510UL	04/03 RFO
		17.04	181	P	1	DNT	LTS	+0.11	UTE	LTE				151		510UL	04/03 RFO
100	52	0.40	100	P	1	NQI	002	-0.95	UTE	LTE				151		510UL	04/03 RFO
100	53	13.17	180	P	1	DNT	LTS	+0.07	UTE	LTE				151		510UL	04/03 RFO
100	54	16.25	180	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
100	55	15.08	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
100	56	26.17	179	P	1	DNT	LTS	+0.23	UTE	LTE				151		510UL	04/03 RFO
100	57	18.85	179	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
100	58	8.79	183	P	1	DNT	LTS	+0.48	UTE	LTE				151		510UL	04/03 RFO
		15.82	178	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
100	59	9.85	184	P	1	DNT	LTS	+0.50	UTE	LTE				151		510UL	04/03 RFO
		18.18	180	P	1	DNT	LTS	-0.09	UTE	LTE				151		510UL	04/03 RFO
100	60	6.96	184	P	1	DNT	LTS	+0.50	UTE	LTE				151		510UL	04/03 RFO
		20.82	178	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
		0.39	68	3	NQI		015	+41.12	UTE	LTE				151		510UL	04/03 RFO
		0.33	131	P	1	NQI	010	+0.02	UTE	LTE				151		510UL	04/03 RFO
		0.27	89	3	NQI		009	+36.39	UTE	LTE				151		510UL	04/03 RFO
		0.37	79	3	NQI		009	+29.76	UTE	LTE				151		510UL	04/03 RFO
		0.41	89	3	NQI		006	+30.19	UTE	LTE				151		510UL	04/03 RFO
100	61	14.88	179	P	1	DNT	LTS	+0.16	UTE	LTE				151		510UL	04/03 RFO
100	62	14.17	183	P	1	DNT	LTS	+0.59	UTE	LTE				123		510UL	04/03 RFO
		13.88	173	P	1	DNT	LTS	+0.04	UTE	LTE				123		510UL	04/03 RFO
100	63	23.75	181	3	DNT		LTS	+0.66	UTE	LTE				124		510UL	04/03 RFO
		9.93	171	P	1	DNT	LTS	+0.05	UTE	LTE				124		510UL	04/03 RFO
100	64	13.60	178	3	DNT		LTS	+0.65	UTE	LTE				123		510UL	04/03 RFO
		6.16	185	P	1	DNT	LTS	+0.09	UTE	LTE				123		510UL	04/03 RFO
100	65	0.50	85	3	NQI		007	+32.23	UTE	LTE				124		510UL	04/03 RFO
		12.68	183	3	DNT		LTS	+0.64	UTE	LTE				124		510UL	04/03 RFO
100	67	7.07	184	P	1	DNT	LTS	+0.58	UTE	LTE				99		510UL	04/03 RFO
100	73	0.33	132	3	NQI		002	+31.47	UTE	LTE				99		510UL	04/03 RFO
		10.25	180	P	1	DNT	LTS	+0.18	UTE	LTE				99		510UL	04/03 RFO
		6.62	359	3	DNT		LTS	+0.69	UTE	LTE				99		510UL	04/03 RFO
100	74	19.80	182	P	1	DNT	LTS	+0.16	UTE	LTE				155		510UL	04/03 RFO
		7.75	178	3	DNT		LTS	+0.75	UTE	LTE				155		510UL	04/03 RFO
100	75	23.22	180	P	1	DNT	LTS	+0.18	UTE	LTE				99		510UL	04/03 RFO
100	76	41.23	181	P	1	DNT	LTS	+0.13	UTE	LTE				98		510UL	04/03 RFO
100	77	47.46	179	P	1	DNT	LTS	+0.14	UTE	LTE				99		510UL	04/03 RFO
100	78	63.45	181	P	1	DNT	LTS	+0.11	UTE	LTE				98		510UL	04/03 RFO
100	79	39.30	178	P	1	DNT	LTS	+0.07	UTE	LTE				99		510UL	04/03 RFO
100	80	41.96	180	P	1	DNT	LTS	+0.04	UTE	LTE				98		510UL	04/03 RFO
100	81	21.70	174	P	1	DNT	LTS	+0.09	UTE	LTE				99		510UL	04/03 RFO
100	82	21.73	177	P	1	DNT	LTS	+0.02	UTE	LTE				98		510UL	04/03 RFO
100	83	0.91	147	3	NQI		009	+8.71	UTE	LTE				99		510UL	04/03 RFO
		23.15	176	P	1	DNT	LTS	+0.09	UTE	LTE				99		510UL	04/03 RFO
100	84	45.16	180	P	1	DNT	LTS	+0.04	UTE	LTE				98		510UL	04/03 RFO
100	85	36.17	179	P	1	DNT	LTS	+0.05	UTE	LTE				99		510UL	04/03 RFO
100	86	13.53	180	P	1	DNT	LTS	-0.04	UTE	LTE				98		510UL	04/03 RFO
100	121	0.36	94	3	NQI		013	+12.29	LTE	UTE				152		510UL	04/03 RFO
101	5	0.48	148	3	NQI		009	+11.77	UTE	LTE				21		510UL	04/03 RFO
101	6	0.38	94	3	NQI		008	+22.61	UTE	LTE				20		510UL	04/03 RFO
101	16	0.48	91	3	NQI		009	+20.25	UTE	LTE				20		510UL	04/03 RFO
		0.99	102	P	1	NQI	014	+0.81	UTE	LTE				20		510UL	04/03 RFO
101	33	0.31	66	3	NQI		012	+1.43	UTE	LTE				44		510UL	04/03 RFO
101	37	0.32	109	3	NQI		LTS	+27.67	UTE	LTE				44		510UL	04/03 RFO
101	39	0.57	56	P	1	NQI	007	+0.52	UTE	LTE				44		510UL	04/03 RFO
101	47	6.71	171	P	1	DNT	LTS	+0.06	UTE	LTE				44		510UL	04/03 RFO
101	48	10.96	175	P	1	DNT	LTS	+0.00	UTE	LTE				66		510UL	04/03 RFO
101	49	15.10	181	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
101	50	20.18	181	P	1	DNT	LTS	+0.11	UTE	LTE				151		510UL	04/03 RFO
101	51	16.32	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
101	52	14.49	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
101	53	14.79	182	P	1	DNT	LTS	+0.07	UTE	LTE				151		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
101	54	13.69	180	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
101	55	0.30	100	3	NQI		015	+6.07	UTE	LTE				151		510UL	04/03 RFO
		24.76	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
101	56	10.28	181	P	1	DNT	LTS	+0.32	UTE	LTE				151		510UL	04/03 RFO
		11.62	175	P	1	DNT	LTS	-0.02	UTE	LTE				151		510UL	04/03 RFO
101	57	16.18	178	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
101	58	0.42	100	3	NQI		015	+29.53	UTE	LTE				151		510UL	04/03 RFO
		13.41	182	P	1	DNT	LTS	+0.48	UTE	LTE				151		510UL	04/03 RFO
		24.61	178	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
101	59	14.65	181	P	1	DNT	LTS	+0.48	UTE	LTE				151		510UL	04/03 RFO
		29.33	179	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
101	60	0.37	105	3	NQI		009	+23.13	UTE	LTE				151		510UL	04/03 RFO
		0.29	84	3	NQI		006	+24.83	UTE	LTE				151		510UL	04/03 RFO
		12.48	180	P	1	DNT	LTS	+0.50	UTE	LTE				151		510UL	04/03 RFO
		23.22	178	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
101	61	0.40	108	3	NQI		012	+31.29	UTE	LTE				151		510UL	04/03 RFO
		7.35	182	P	1	DNT	LTS	+0.55	UTE	LTE				151		510UL	04/03 RFO
		21.71	178	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
101	62	11.92	182	P	1	DNT	LTS	+0.59	UTE	LTE				123		510UL	04/03 RFO
		15.40	170	P	1	DNT	LTS	+0.20	UTE	LTE				123		510UL	04/03 RFO
101	63	14.95	184	P	1	DNT	LTS	+0.52	UTE	LTE				124		510UL	04/03 RFO
		23.56	180	P	1	DNT	LTS	+0.09	UTE	LTE				124		510UL	04/03 RFO
101	64	18.17	176	3	DNT		LTS	+0.63	UTE	LTE				123		510UL	04/03 RFO
		6.92	184	P	1	DNT	LTS	+0.11	UTE	LTE				123		510UL	04/03 RFO
101	65	13.34	182	P	1	DNT	LTS	-0.43	UTE	LTE				155		510UL	04/03 RFO
101	66	0.28	108	3	NQI		006	+26.07	UTE	LTE				99		510UL	04/03 RFO
		10.91	184	P	1	DNT	LTS	+0.53	UTE	LTE				99		510UL	04/03 RFO
101	67	6.86	183	P	1	DNT	LTS	+0.52	UTE	LTE				155		510UL	04/03 RFO
101	71	6.11	179	P	1	DNT	LTS	+0.07	UTE	LTE				155		510UL	04/03 RFO
101	72	17.69	179	P	1	DNT	LTS	+0.14	UTE	LTE				99		510UL	04/03 RFO
101	73	41.18	183	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	75	33.08	180	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	76	34.07	178	P	1	DNT	LTS	+0.11	UTE	LTE				99		510UL	04/03 RFO
101	77	44.30	181	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	78	34.03	177	P	1	DNT	LTS	+0.00	UTE	LTE				99		510UL	04/03 RFO
101	79	39.86	182	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	80	30.09	177	P	1	DNT	LTS	+0.09	UTE	LTE				99		510UL	04/03 RFO
101	81	35.54	181	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	82	41.19	180	P	1	DNT	LTS	+0.00	UTE	LTE				99		510UL	04/03 RFO
101	83	36.41	181	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	84	22.52	174	P	1	DNT	LTS	+0.07	UTE	LTE				99		510UL	04/03 RFO
101	85	12.90	183	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
101	93	0.41	84	3	NQI		015	+30.24	LTE	UTE				152		510UL	04/03 RFO
		0.62	130	3	NQI		010	+11.35	LTE	UTE				152		510UL	04/03 RFO
101	112	0.71	106	3	NQI		011	+2.58	LTE	UTE				149		510UL	04/03 RFO
		0.57	96	3	NQI		011	+35.69	LTE	UTE				149		510UL	04/03 RFO
		0.44	71	3	NQI		011	+6.09	LTE	UTE				149		510UL	04/03 RFO
		0.44	103	3	NQI		010	+27.70	LTE	UTE				149		510UL	04/03 RFO
101	123	0.48	83	P	1	NQI	010	+0.51	LTE	UTE				148		510UL	04/03 RFO
101	124	0.62	66	P	1	NQI	009	-0.24	LTE	UTE				149		510UL	04/03 RFO
102	2	0.65	115	P	1	NQI	010	+0.57	UTE	LTE				20		510UL	04/03 RFO
102	14	0.26	81	3	NQI		014	+8.99	UTE	LTE				20		510UL	04/03 RFO
		0.27	141	3	NQI		014	+4.85	UTE	LTE				20		510UL	04/03 RFO
		0.35	104	3	NQI		014	+20.83	UTE	LTE				20		510UL	04/03 RFO
102	28	0.46	74	P	1	NQI	008	-0.80	UTE	LTE				44		510UL	04/03 RFO
102	47	7.89	174	P	1	DNT	LTS	-0.04	UTE	LTE				66		510UL	04/03 RFO
102	48	12.44	180	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
102	49	15.61	179	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
102	50	18.43	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
102	51	16.91	181	P	1	DNT	LTS	+0.07	UTE	LTE				151		510UL	04/03 RFO
102	52	13.44	179	P	1	DNT	LTS	+0.05	UTE	LTE				151		510UL	04/03 RFO
102	53	19.93	181	P	1	DNT	LTS	+0.09	UTE	LTE				151		510UL	04/03 RFO
102	54	25.61	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
102	55	21.73	181	P	1	DNT	LTS	+0.16	UTE	LTE				151		510UL	04/03 RFO
102	56	19.01	178	P	1	DNT	LTS	+0.14	UTE	LTE				151		510UL	04/03 RFO
102	57	7.92	182	P	1	DNT	LTS	+0.36	UTE	LTE				151		510UL	04/03 RFO
		16.79	180	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
102	58	15.52	180	P	1	DNT	LTS	+0.39	UTE	LTE				151		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
102	59	18.37	177	P	1	DNT	LTS	-0.05	UTE	LTE				151		510UL	04/03 RFO
		16.58	181	P	1	DNT	LTS	+0.41	UTE	LTE				151		510UL	04/03 RFO
		22.59	179	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
102	60	15.75	180	P	1	DNT	LTS	+0.52	UTE	LTE				151		510UL	04/03 RFO
		30.20	177	P	1	DNT	LTS	+0.09	UTE	LTE				151		510UL	04/03 RFO
102	61	21.06	176	P	1	DNT	LTS	+0.00	UTE	LTE				123		510UL	04/03 RFO
		0.46	114	3		NQI	015	+30.14	UTE	LTE				123		510UL	04/03 RFO
102	62	19.95	172	P	1	DNT	LTS	+0.11	UTE	LTE				124		510UL	04/03 RFO
102	63	24.89	180	P	1	DNT	LTS	+0.00	UTE	LTE				123		510UL	04/03 RFO
102	64	19.15	182	P	1	DNT	LTS	+0.07	UTE	LTE				155		510UL	04/03 RFO
		6.74	181	P	1	DNT	LTS	+0.52	UTE	LTE				155		510UL	04/03 RFO
102	65	13.52	184	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
102	66	8.00	172	P	1	DNT	LTS	+0.07	UTE	LTE				99		510UL	04/03 RFO
102	67	14.30	183	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
102	68	12.42	174	P	1	DNT	LTS	+0.14	UTE	LTE				99		510UL	04/03 RFO
		6.73	178	3		DNT	LTS	+0.63	UTE	LTE				99		510UL	04/03 RFO
102	69	9.07	183	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
102	70	7.33	163	P	1	DNT	LTS	+0.18	UTE	LTE				99		510UL	04/03 RFO
102	71	14.89	180	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
102	72	32.69	179	P	1	DNT	LTS	+0.00	UTE	LTE				99		510UL	04/03 RFO
102	73	56.05	183	P	1	DNT	LTS	+0.14	UTE	LTE				155		510UL	04/03 RFO
102	74	36.16	176	P	1	DNT	LTS	+0.09	UTE	LTE				99		510UL	04/03 RFO
102	75	38.98	181	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
102	76	30.30	177	P	1	DNT	LTS	+0.07	UTE	LTE				99		510UL	04/03 RFO
102	77	36.31	180	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
		0.35	109	3		NQI	006	+27.88	UTE	LTE				155		510UL	04/03 RFO
102	78	34.73	177	P	1	DNT	LTS	+0.05	UTE	LTE				99		510UL	04/03 RFO
102	79	24.40	180	P	1	DNT	LTS	+0.00	UTE	LTE				155		510UL	04/03 RFO
102	80	39.67	180	P	1	DNT	LTS	+0.12	UTE	LTE				99		510UL	04/03 RFO
102	81	0.45	97	3		NQI	010	+14.22	UTE	LTE				155		510UL	04/03 RFO
		0.58	98	3		NQI	010	+13.02	UTE	LTE				155		510UL	04/03 RFO
		0.62	116	3		NQI	008	+15.73	UTE	LTE				155		510UL	04/03 RFO
		58.89	182	P	1	DNT	LTS	-0.02	UTE	LTE				155		510UL	04/03 RFO
102	82	39.76	179	P	1	DNT	LTS	+0.16	UTE	LTE				99		510UL	04/03 RFO
102	83	19.18	182	P	1	DNT	LTS	+0.07	UTE	LTE				155		510UL	04/03 RFO
102	84	11.14	182	P	1	DNT	LTS	-0.02	UTE	LTE				99		510UL	04/03 RFO
102	87	0.47	124	3		NQI	004	+13.18	UTE	LTE				155		510UL	04/03 RFO
102	92	0.29	93	3		NQI	006	+28.14	LTE	UTE				149		510UL	04/03 RFO
102	93	0.33	75	3		NQI	010	+13.69	LTE	UTE				148		510UL	04/03 RFO
		0.70	103	3		NQI	010	+15.27	LTE	UTE				148		510UL	04/03 RFO
102	105	0.63	91	3		NQI	004	+27.03	LTE	UTE				149		510UL	04/03 RFO
102	107	0.43	115	3		NQI	007	+9.74	LTE	UTE				149		510UL	04/03 RFO
102	109	0.47	90	3		NQI	LTS	+19.82	LTE	UTE				149		510UL	04/03 RFO
		0.53	117	3		NQI	012	+4.99	LTE	UTE				149		510UL	04/03 RFO
102	113	0.33	93	3		NQI	011	+29.68	LTE	UTE				149		510UL	04/03 RFO
102	122	0.68	86	P	1	NQI	010	-0.67	LTE	UTE				148		510UL	04/03 RFO
103	2	0.68	48	P	1	NQI	010	+0.56	UTE	LTE				21		510UL	04/03 RFO
103	3	1.92	95	P	1	NQI	010	+0.63	UTE	LTE				20		510UL	04/03 RFO
103	7	0.21	99	4		TWD	7 003	+11.22	UTE	LTE				20		510UL	04/03 RFO
103	13	1.62	104	3		NQI	LTS	+20.90	UTE	LTE				21		510UL	04/03 RFO
								TO+29.58									
103	21	0.26	72	3		NQI	011	+2.25	UTE	LTE				21		510UL	04/03 RFO
103	39	0.53	113	P	1	NQI	010	+0.83	UTE	LTE				44		510UL	04/03 RFO
103	47	0.45	63	P	1	NQI	007	+0.49	UTE	LTE				44		510UL	04/03 RFO
103	48	6.43	177	P	1	DNT	LTS	-0.08	UTE	LTE				66		510UL	04/03 RFO
103	49	10.78	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
103	50	18.59	180	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
103	51	0.29	93	3		NQI	008	+35.45	UTE	LTE				151		510UL	04/03 RFO
		0.27	66	3		NQI	008	+24.17	UTE	LTE				151		510UL	04/03 RFO
		25.00	181	P	1	DNT	LTS	+0.07	UTE	LTE				151		510UL	04/03 RFO
		1.44	117	3		NQI	LTS	+21.33	UTE	LTE				151		510UL	04/03 RFO
								TO+30.21									
103	52	15.32	181	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
103	53	0.37	102	3		NQI	LTS	+10.04	UTE	LTE				151		510UL	04/03 RFO
		18.01	181	P	1	DNT	LTS	+0.14	UTE	LTE				151		510UL	04/03 RFO
103	54	22.85	179	P	1	DNT	LTS	+0.11	UTE	LTE				151		510UL	04/03 RFO
103	55	27.55	182	P	1	DNT	LTS	+0.09	UTE	LTE				151		510UL	04/03 RFO
103	56	28.04	181	P	1	DNT	LTS	+0.14	UTE	LTE				151		510UL	04/03 RFO
103	57	18.32	179	P	1	DNT	LTS	+0.23	UTE	LTE				151		510UL	04/03 RFO
103	58	14.77	178	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.42	122	3	NQI		006	+33.08	UTE	LTE				151	510UL	04/03	RFO
103	59	14.08	174	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
103	60	9.42	181	P	1	DNT	LTS	+0.41	UTE	LTE				151	510UL	04/03	RFO
		28.68	177	P	1	DNT	LTS	+0.05	UTE	LTE				151	510UL	04/03	RFO
103	61	18.82	177	P	1	DNT	LTS	+0.07	UTE	LTE				151	510UL	04/03	RFO
103	62	35.82	177	P	1	DNT	LTS	+0.00	UTE	LTE				123	510UL	04/03	RFO
103	63	7.00	182	P	1	DNT	LTS	+0.39	UTE	LTE				123	510UL	04/03	RFO
		23.89	180	P	1	DNT	LTS	+0.04	UTE	LTE				123	510UL	04/03	RFO
103	64	24.97	180	P	1	DNT	LTS	+0.07	UTE	LTE				124	510UL	04/03	RFO
103	65	24.08	177	P	1	DNT	LTS	+0.02	UTE	LTE				99	510UL	04/03	RFO
103	66	21.82	177	P	1	DNT	LTS	+0.05	UTE	LTE				99	510UL	04/03	RFO
103	67	0.40	118	3	NQI		006	+25.75	UTE	LTE				99	510UL	04/03	RFO
		21.30	178	P	1	DNT	LTS	+0.16	UTE	LTE				99	510UL	04/03	RFO
103	68	35.48	179	P	1	DNT	LTS	+0.05	UTE	LTE				99	510UL	04/03	RFO
103	69	31.60	179	P	1	DNT	LTS	+0.11	UTE	LTE				99	510UL	04/03	RFO
		11.27	179	3	DNT		LTS	+0.62	UTE	LTE				99	510UL	04/03	RFO
103	70	7.25	185	P	1	DNT	LTS	+0.60	UTE	LTE				102	510UL	04/03	RFO
		16.15	168	P	1	DNT	LTS	+0.07	UTE	LTE				102	510UL	04/03	RFO
103	71	19.33	173	P	1	DNT	LTS	+0.04	UTE	LTE				101	510UL	04/03	RFO
103	72	0.51	94	3	NQI		004	+9.63	UTE	LTE				102	510UL	04/03	RFO
		31.24	175	P	1	DNT	LTS	+0.05	UTE	LTE				102	510UL	04/03	RFO
103	73	24.60	174	P	1	DNT	LTS	+0.02	UTE	LTE				101	510UL	04/03	RFO
103	74	20.63	172	P	1	DNT	LTS	+0.09	UTE	LTE				102	510UL	04/03	RFO
103	75	24.89	174	P	1	DNT	LTS	+0.07	UTE	LTE				101	510UL	04/03	RFO
103	76	35.22	176	P	1	DNT	LTS	+0.16	UTE	LTE				102	510UL	04/03	RFO
103	77	33.06	176	P	1	DNT	LTS	+0.07	UTE	LTE				101	510UL	04/03	RFO
103	78	36.76	176	P	1	DNT	LTS	+0.44	UTE	LTE				102	510UL	04/03	RFO
103	79	52.35	179	P	1	DNT	LTS	+0.13	UTE	LTE				101	510UL	04/03	RFO
103	80	41.37	177	P	1	DNT	LTS	+0.11	UTE	LTE				102	510UL	04/03	RFO
103	81	48.15	179	P	1	DNT	LTS	+0.07	UTE	LTE				101	510UL	04/03	RFO
103	82	28.04	178	P	1	DNT	LTS	+0.09	UTE	LTE				102	510UL	04/03	RFO
103	83	12.62	181	P	1	DNT	LTS	-0.02	UTE	LTE				101	510UL	04/03	RFO
103	84	7.71	181	P	1	DNT	LTS	-0.09	UTE	LTE				102	510UL	04/03	RFO
103	93	0.36	117	3	NQI		015	+35.82	LTE	UTE				149	510UL	04/03	RFO
103	101	0.44	104	3	NQI		014	+17.31	LTE	UTE				149	510UL	04/03	RFO
103	103	0.51	108	3	NQI		009	+28.50	LTE	UTE				149	510UL	04/03	RFO
103	104	0.56	103	3	NQI		002	+34.27	LTE	UTE				148	510UL	04/03	RFO
103	111	1.00	103	P	1	NQI	013	+0.88	LTE	UTE				149	510UL	04/03	RFO
103	115	0.40	98	3	NQI		015	+42.05	LTE	UTE				149	510UL	04/03	RFO
103	122	0.25	103	P	1	NQI	010	+0.42	LTE	UTE				148	510UL	04/03	RFO
104	3	0.29	55	3	NQI		010	+13.50	UTE	LTE				21	510UL	04/03	RFO
104	8	0.63	84	3	NQI		006	+30.90	UTE	LTE				20	510UL	04/03	RFO
104	12	0.62	105	P	1	NQI	008	-0.78	UTE	LTE				20	510UL	04/03	RFO
104	14	0.34	102	3	NQI		014	+29.49	UTE	LTE				20	510UL	04/03	RFO
104	48	6.93	179	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	49	9.67	180	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	50	20.88	181	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	52	23.66	181	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
		0.36	117	3	NQI		006	+32.05	UTE	LTE				151	510UL	04/03	RFO
104	53	16.20	181	P	1	DNT	LTS	+0.09	UTE	LTE				151	510UL	04/03	RFO
104	54	21.41	182	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	55	28.70	179	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	56	29.90	183	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	57	22.17	179	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	58	17.12	178	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	59	15.10	175	P	1	DNT	LTS	+0.05	UTE	LTE				151	510UL	04/03	RFO
104	60	17.20	175	P	1	DNT	LTS	+0.00	UTE	LTE				151	510UL	04/03	RFO
104	62	34.34	177	P	1	DNT	LTS	+0.00	UTE	LTE				123	510UL	04/03	RFO
104	63	26.28	178	P	1	DNT	LTS	-0.02	UTE	LTE				124	510UL	04/03	RFO
104	64	27.62	176	P	1	DNT	LTS	+0.02	UTE	LTE				102	510UL	04/03	RFO
104	65	23.83	178	P	1	DNT	LTS	+0.07	UTE	LTE				101	510UL	04/03	RFO
104	66	30.06	177	P	1	DNT	LTS	+0.02	UTE	LTE				102	510UL	04/03	RFO
		7.10	186	P	1	DNT	LTS	+0.47	UTE	LTE				102	510UL	04/03	RFO
104	67	30.12	179	P	1	DNT	LTS	+0.00	UTE	LTE				101	510UL	04/03	RFO
104	68	20.00	173	P	1	DNT	LTS	+0.05	UTE	LTE				102	510UL	04/03	RFO
		13.62	181	P	1	DNT	LTS	+0.45	UTE	LTE				102	510UL	04/03	RFO
104	69	6.79	185	P	1	DNT	LTS	+0.50	UTE	LTE				101	510UL	04/03	RFO
		13.29	172	P	1	DNT	LTS	+0.00	UTE	LTE				101	510UL	04/03	RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
104	70	12.37	170	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
		6.39	186	P	1	DNT	LTS	+0.36	UTE	LTE				102		510UL	04/03 RFO
104	71	8.61	181	P	1	DNT	LTS	+0.40	UTE	LTE				101		510UL	04/03 RFO
		13.83	174	P	1	DNT	LTS	+0.00	UTE	LTE				101		510UL	04/03 RFO
		0.55	120	3		NQI	006	+25.48	UTE	LTE				101		510UL	04/03 RFO
104	72	42.41	176	P	1	DNT	LTS	+0.09	UTE	LTE				102		510UL	04/03 RFO
104	73	16.90	176	P	1	DNT	LTS	+0.18	UTE	LTE				101		510UL	04/03 RFO
104	75	40.25	178	P	1	DNT	LTS	+0.16	UTE	LTE				102		510UL	04/03 RFO
104	76	41.01	178	P	1	DNT	LTS	+0.09	UTE	LTE				101		510UL	04/03 RFO
104	77	0.58	134	3		NQI	010	+5.65	UTE	LTE				102		510UL	04/03 RFO
		50.48	177	P	1	DNT	LTS	+0.07	UTE	LTE				102		510UL	04/03 RFO
		0.34	86	3		NQI	008	+33.86	UTE	LTE				102		510UL	04/03 RFO
104	78	49.39	179	P	1	DNT	LTS	+0.09	UTE	LTE				101		510UL	04/03 RFO
		0.33	98	3		NQI	011	+18.27	UTE	LTE				101		510UL	04/03 RFO
104	79	46.99	178	P	1	DNT	LTS	+0.12	UTE	LTE				102		510UL	04/03 RFO
104	80	33.94	181	P	1	DNT	LTS	+0.02	UTE	LTE				101		510UL	04/03 RFO
104	81	15.13	177	P	1	DNT	LTS	-0.02	UTE	LTE				102		510UL	04/03 RFO
		0.37	96	3		NQI	006	+32.59	UTE	LTE				102		510UL	04/03 RFO
104	82	10.46	183	P	1	DNT	LTS	-0.04	UTE	LTE				101		510UL	04/03 RFO
104	86	0.36	87	3		NQI	015	+7.19	UTE	LTE				101		510UL	04/03 RFO
104	93	0.35	102	3		NQI	009	+12.93	LTE	UTE				148		510UL	04/03 RFO
104	98	0.69	109	3		NQI	LTS	+21.93	LTE	UTE				149		510UL	04/03 RFO
104	102	0.41	99	3		NQI	012	+20.86	LTE	UTE				149		510UL	04/03 RFO
104	112	0.47	88	P	1	NQI	015	+0.16	LTE	UTE				149		510UL	04/03 RFO
		0.63	100	P	1	NQI	015	+0.56	LTE	UTE				149		510UL	04/03 RFO
104	120	1.58	81	P	1	NQI	009	-0.59	LTE	UTE				149		510UL	04/03 RFO
104	122	0.96	75	P	1	NQI	010	-0.50	LTE	UTE				149		510UL	04/03 RFO
104	123	8.46	19	P	1	NQI	UTS	-0.11	LTE	UTE				149		510UL	04/03 RFO
		0.48	116	3		NQI	015	+17.34	LTE	UTE				149		510UL	04/03 RFO
		0.42	108	3		NQI	014	+32.87	LTE	UTE				149		510UL	04/03 RFO
105	1	2.96	142	3		NQI	015	+17.20	UTE	LTE				21		510UL	04/03 RFO
105	15	0.17	111	3		NQI	014	+1.27	UTE	LTE				20		510UL	04/03 RFO
105	17	5.06	110	3		NQI	LTS	+22.07	UTE	LTE				20		510UL	04/03 RFO
105	35	0.38	95	3		NQI	009	+5.84	UTE	LTE				44		510UL	04/03 RFO
105	49	12.58	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
105	50	22.79	182	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
105	51	25.27	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
105	52	20.01	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
105	53	18.27	182	P	1	DNT	LTS	+0.07	UTE	LTE				151		510UL	04/03 RFO
105	54	23.97	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
		0.48	101	3		NQI	015	+40.92	UTE	LTE				151		510UL	04/03 RFO
105	55	25.46	181	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
105	56	15.08	178	P	1	DNT	LTS	+0.00	UTE	LTE				151		510UL	04/03 RFO
105	57	0.26	93	3		NQI	011	+10.57	UTE	LTE				151		510UL	04/03 RFO
		19.34	182	P	1	DNT	LTS	+0.14	UTE	LTE				151		510UL	04/03 RFO
		0.43	76	P	1	NQI	004	-0.94	UTE	LTE				151		510UL	04/03 RFO
105	58	17.84	182	P	1	DNT	LTS	+0.11	UTE	LTE				151		510UL	04/03 RFO
105	59	13.31	180	P	1	DNT	LTS	+0.09	UTE	LTE				151		510UL	04/03 RFO
105	60	22.45	177	P	1	DNT	LTS	+0.02	UTE	LTE				151		510UL	04/03 RFO
105	61	14.81	173	P	1	DNT	LTS	+0.02	UTE	LTE				123		510UL	04/03 RFO
105	62	19.82	178	P	1	DNT	LTS	+0.00	UTE	LTE				123		510UL	04/03 RFO
		0.36	130	3		NQI	015	+39.68	UTE	LTE				123		510UL	04/03 RFO
105	63	19.68	175	P	1	DNT	LTS	-0.02	UTE	LTE				102		510UL	04/03 RFO
105	64	12.43	176	P	1	DNT	LTS	+0.00	UTE	LTE				101		510UL	04/03 RFO
105	65	21.75	175	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
105	66	21.24	175	P	1	DNT	LTS	-0.04	UTE	LTE				101		510UL	04/03 RFO
105	67	22.37	173	P	1	DNT	LTS	+0.07	UTE	LTE				102		510UL	04/03 RFO
105	68	6.42	184	P	1	DNT	LTS	+0.37	UTE	LTE				101		510UL	04/03 RFO
		12.68	176	P	1	DNT	LTS	+0.00	UTE	LTE				101		510UL	04/03 RFO
105	69	10.70	182	P	1	DNT	LTS	+0.38	UTE	LTE				102		510UL	04/03 RFO
		12.67	172	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
105	70	10.64	181	P	1	DNT	LTS	+0.31	UTE	LTE				101		510UL	04/03 RFO
105	71	11.96	181	P	1	DNT	LTS	+0.34	UTE	LTE				102		510UL	04/03 RFO
		16.98	170	P	1	DNT	LTS	+0.12	UTE	LTE				102		510UL	04/03 RFO
105	72	26.78	175	P	1	DNT	LTS	+0.18	UTE	LTE				101		510UL	04/03 RFO
		0.25	88	3		NQI	010	+21.43	UTE	LTE				101		510UL	04/03 RFO
105	73	33.19	172	P	1	DNT	LTS	+0.16	UTE	LTE				102		510UL	04/03 RFO
105	74	23.99	175	P	1	DNT	LTS	+0.09	UTE	LTE				101		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
105	75	40.40	175	P 1	DNT		LTS	+0.07		UTE	LTE			102		510UL	04/03 RFO
105	76	43.27	177	P 1	DNT		LTS	+0.18		UTE	LTE			101		510UL	04/03 RFO
105	78	42.76	179	P 1	DNT		LTS	+0.02		UTE	LTE			102		510UL	04/03 RFO
105	79	21.13	179	P 1	DNT		LTS	-0.04		UTE	LTE			101		510UL	04/03 RFO
		7.51	183	3	DNT		LTE	+2.23		UTE	LTE			101		510UL	04/03 RFO
105	103	0.47	109	3	NQI		015	+37.13		LTE	UTE			148		510UL	04/03 RFO
105	105	0.53	104	3	NQI		015	+15.46		LTE	UTE			148		510UL	04/03 RFO
105	108	14.33	183	3	DNT		LTE	+6.02		LTE	UTE			149		510UL	04/03 RFO
		0.37	104	3	NQI		010	+9.34		LTE	UTE			149		510UL	04/03 RFO
		0.24	92	3	NQI		010	+19.42		LTE	UTE			149		510UL	04/03 RFO
		0.48	106	3	NQI		010	+23.26	TO+33.54	LTE	UTE			149		510UL	04/03 RFO
		0.52	108	3	NQI		010	+11.66	TO+15.99	LTE	UTE			149		510UL	04/03 RFO
105	110	0.19	88	P 1	NQI		015	+0.02		LTE	UTE			149		510UL	04/03 RFO
106	33	0.36	88	3	NQI		007	+7.11		UTE	LTE			44		510UL	04/03 RFO
106	42	0.40	120	3	NQI		007	+3.52		UTE	LTE			51		510UL	04/03 RFO
106	49	12.83	178	P 1	DNT		LTS	+0.00		UTE	LTE			82		510UL	04/03 RFO
106	50	15.26	179	P 1	DNT		LTS	+0.00		UTE	LTE			82		510UL	04/03 RFO
106	51	29.13	179	P 1	DNT		LTS	+0.13		UTE	LTE			82		510UL	04/03 RFO
106	52	28.60	181	P 1	DNT		LTS	+0.07		UTE	LTE			82		510UL	04/03 RFO
106	53	23.57	181	P 1	DNT		LTS	+0.09		UTE	LTE			82		510UL	04/03 RFO
106	54	16.89	177	P 1	DNT		LTS	+0.15		UTE	LTE			82		510UL	04/03 RFO
106	55	23.75	176	P 1	DNT		LTS	+0.07		UTE	LTE			82		510UL	04/03 RFO
106	56	21.32	177	P 1	DNT		LTS	+0.02		UTE	LTE			151		510UL	04/03 RFO
		0.50	120	3	NQI		006	+29.95		UTE	LTE			151		510UL	04/03 RFO
106	57	31.73	181	P 1	DNT		LTS	+0.07		UTE	LTE			151		510UL	04/03 RFO
		0.34	121	P 1	NQI		004	-0.14		UTE	LTE			151		510UL	04/03 RFO
		0.52	129	3	NQI		006	+31.45		UTE	LTE			151		510UL	04/03 RFO
106	58	11.50	181	P 1	DNT		LTS	+0.00		UTE	LTE			151		510UL	04/03 RFO
106	62	10.21	176	P 1	DNT		LTS	+0.12		UTE	LTE			102		510UL	04/03 RFO
106	63	12.14	181	P 1	DNT		LTS	+0.22		UTE	LTE			101		510UL	04/03 RFO
106	64	14.47	173	P 1	DNT		LTS	+0.09		UTE	LTE			102		510UL	04/03 RFO
106	65	16.29	181	P 1	DNT		LTS	+0.18		UTE	LTE			101		510UL	04/03 RFO
106	66	9.17	183	P 1	DNT		LTS	+0.00		UTE	LTE			102		510UL	04/03 RFO
		0.53	111	3	NQI		006	+22.70		UTE	LTE			102		510UL	04/03 RFO
106	67	11.57	171	P 1	DNT		LTS	+0.20		UTE	LTE			101		510UL	04/03 RFO
106	68	13.68	165	P 1	DNT		LTS	+0.14		UTE	LTE			102		510UL	04/03 RFO
106	69	20.22	173	P 1	DNT		LTS	+0.04		UTE	LTE			101		510UL	04/03 RFO
106	70	26.13	170	P 1	DNT		LTS	+0.16		UTE	LTE			102		510UL	04/03 RFO
106	71	20.05	174	P 1	DNT		LTS	+0.00		UTE	LTE			101		510UL	04/03 RFO
106	72	24.73	178	P 1	DNT		LTS	+0.12		UTE	LTE			102		510UL	04/03 RFO
106	73	22.44	174	P 1	DNT		LTS	+0.09		UTE	LTE			101		510UL	04/03 RFO
		0.49	104	3	NQI		009	+29.23		UTE	LTE			101		510UL	04/03 RFO
106	74	23.14	176	P 1	DNT		LTS	+0.00		UTE	LTE			102		510UL	04/03 RFO
106	75	19.16	178	P 1	DNT		LTS	-0.11		UTE	LTE			101		510UL	04/03 RFO
106	76	10.41	179	P 1	DNT		LTS	-0.11		UTE	LTE			102		510UL	04/03 RFO
106	82	0.25	112	3	NQI		015	+20.89		UTE	LTE			102		510UL	04/03 RFO
106	84	0.25	92	3	NQI		009	+27.50		UTE	LTE			102		510UL	04/03 RFO
106	89	0.55	108	3	NQI		009	+29.68		LTE	UTE			149		510UL	04/03 RFO
106	95	0.23	75	P 1	NQI		014	-0.23		LTE	UTE			149		510UL	04/03 RFO
106	105	0.26	95	3	NQI		010	+33.92		LTE	UTE			149		510UL	04/03 RFO
		0.37	105	3	NQI		011	+12.30		LTE	UTE			149		510UL	04/03 RFO
		0.42	94	3	NQI		011	+14.87		LTE	UTE			149		510UL	04/03 RFO
		0.30	81	3	NQI		010	+29.20	TO+30.40	LTE	UTE			149		510UL	04/03 RFO
		0.28	111	3	NQI		011	+9.25		LTE	UTE			149		510UL	04/03 RFO
106	109	8.74	79	P 1	TWD	52	010	+0.93		LTE	UTE			149		510UL	04/03 RFO
106	113	0.28	95	P 1	NQI		003	+0.00		LTE	UTE			149		510UL	04/03 RFO
106	114	0.23	92	P 1	NQI		009	+0.45		LTE	UTE			148		510UL	04/03 RFO
107	4	0.85	52	P 1	NQI		009	-0.65		UTE	LTE			20		510UL	04/03 RFO
107	19	0.45	76	3	NQI		004	+16.65		UTE	LTE			20		510UL	04/03 RFO
		0.49	94	P 1	NQI		UTS	+0.68		UTE	LTE			20		510UL	04/03 RFO
107	21	0.38	72	3	NQI		007	+36.24		UTE	LTE			20		510UL	04/03 RFO
107	46	0.38	121	3	NQI		013	+3.35		UTE	LTE			50		510UL	04/03 RFO
107	48	0.50	127	3	NQI		007	+3.91		UTE	LTE			82		510UL	04/03 RFO
107	49	6.88	188	P 1	DNT		LTS	-0.02		UTE	LTE			82		510UL	04/03 RFO
107	50	10.43	180	P 1	DNT		LTS	-0.06		UTE	LTE			82		510UL	04/03 RFO
107	51	16.85	180	P 1	DNT		LTS	+0.00		UTE	LTE			82		510UL	04/03 RFO
107	52	18.91	180	P 1	DNT		LTS	+0.02		UTE	LTE			82		510UL	04/03 RFO
107	53	10.36	177	P 1	DNT		LTS	+0.07		UTE	LTE			82		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
107	54	13.22	169	P	1	DNT	LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
107	55	16.81	175	P	1	DNT	LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
107	56	12.21	175	P	1	DNT	LTS	+0.07	UTE	LTE				82		510UL	04/03 RFO
107	57	15.39	176	P	1	DNT	LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
107	58	13.20	176	P	1	DNT	LTS	-0.09	UTE	LTE				82		510UL	04/03 RFO
		1.46	126	3		NQI	LTS	+4.16	UTE	LTE				82		510UL	04/03 RFO
107	59	16.75	177	P	1	DNT	LTS	+0.07	UTE	LTE				82		510UL	04/03 RFO
107	60	12.47	179	P	1	DNT	LTS	+0.02	UTE	LTE				123		510UL	04/03 RFO
		0.98	131	3		NQI	015	+30.18	UTE	LTE				123		510UL	04/03 RFO
107	62	16.21	177	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
		0.35	84	3		NQI	009	+33.45	UTE	LTE				102		510UL	04/03 RFO
107	63	17.41	177	P	1	DNT	LTS	-0.02	UTE	LTE				101		510UL	04/03 RFO
107	65	17.79	178	P	1	DNT	LTS	+0.09	UTE	LTE				102		510UL	04/03 RFO
107	66	15.14	175	P	1	DNT	LTS	+0.09	UTE	LTE				101		510UL	04/03 RFO
107	67	20.69	175	P	1	DNT	LTS	+0.14	UTE	LTE				102		510UL	04/03 RFO
107	68	9.16	173	P	1	DNT	LTS	+0.18	UTE	LTE				101		510UL	04/03 RFO
107	69	7.07	173	P	1	DNT	LTS	+0.12	UTE	LTE				102		510UL	04/03 RFO
107	70	13.36	175	P	1	DNT	LTS	+0.04	UTE	LTE				101		510UL	04/03 RFO
107	71	17.41	169	P	1	DNT	LTS	+0.07	UTE	LTE				102		510UL	04/03 RFO
107	72	12.89	171	P	1	DNT	LTS	+0.04	UTE	LTE				101		510UL	04/03 RFO
107	73	10.99	166	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
107	74	18.37	175	P	1	DNT	LTS	+0.04	UTE	LTE				101		510UL	04/03 RFO
107	75	11.79	180	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
107	78	8.68	180	3		DNT	LTE	+4.50	UTE	LTE				101		510UL	04/03 RFO
107	104	7.16	183	3		DNT	LTE	+6.56	LTE	UTE				148		510UL	04/03 RFO
107	107	0.37	113	3		NQI	010	+23.36	LTE	UTE				149		510UL	04/03 RFO
		0.28	104	3		NQI	011	+22.99	LTE	UTE				149		510UL	04/03 RFO
		0.42	114	3		NQI	011	+5.36	LTE	UTE				149		510UL	04/03 RFO
107	113	0.36	113	3		NQI	009	+16.62	LTE	UTE				149		510UL	04/03 RFO
		0.38	118	3		NQI	009	+30.20	LTE	UTE				149		510UL	04/03 RFO
		0.43	110	3		NQI	010	+17.46	LTE	UTE				149		510UL	04/03 RFO
		0.80	84	3		NQI	010	+33.78	LTE	UTE				149		510UL	04/03 RFO
		1.01	103	3		NQI	011	+5.48	LTE	UTE				149		510UL	04/03 RFO
		0.65	109	3		NQI	012	+11.18	LTE	UTE				149		510UL	04/03 RFO
		0.51	112	3		NQI	013	+3.46	LTE	UTE				149		510UL	04/03 RFO
107	117	0.36	121	P	1	NQI	010	-0.04	LTE	UTE				148		510UL	04/03 RFO
107	118	0.54	81	P	1	NQI	009	-0.50	LTE	UTE				149		510UL	04/03 RFO
		14.60	184	3		DNT	LTE	+3.23	LTE	UTE				149		510UL	04/03 RFO
		8.95	184	3		DNT	LTE	+4.29	LTE	UTE				149		510UL	04/03 RFO
		7.08	184	3		DNT	LTE	+5.63	LTE	UTE				149		510UL	04/03 RFO
108	4	0.30	109	3		NQI	015	+6.52	UTE	LTE				20		510UL	04/03 RFO
		0.87	76	P	1	NQI	009	-0.54	UTE	LTE				20		510UL	04/03 RFO
108	8	0.49	104	3		NQI	010	+4.93	UTE	LTE				20		510UL	04/03 RFO
108	11	2.12	15	3		NQI	015	+9.42	UTE	LTE				20		510UL	04/03 RFO
108	12	0.33	93	3		NQI	LTS	+29.42	UTE	LTE				20		510UL	04/03 RFO
108	15	0.39	91	3		NQI	015	+14.77	UTE	LTE				20		510UL	04/03 RFO
108	41	0.96	56	3		NQI	012	+8.65	UTE	LTE				51		510UL	04/03 RFO
108	49	6.78	185	P	1	DNT	LTS	-0.09	UTE	LTE				82		510UL	04/03 RFO
108	50	9.24	181	P	1	DNT	LTS	-0.02	UTE	LTE				82		510UL	04/03 RFO
108	51	15.42	180	P	1	DNT	LTS	-0.02	UTE	LTE				82		510UL	04/03 RFO
108	52	14.06	179	P	1	DNT	LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
108	53	14.69	174	P	1	DNT	LTS	-0.02	UTE	LTE				82		510UL	04/03 RFO
108	54	12.32	171	P	1	DNT	LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
108	55	0.63	111	3		NQI	009	+35.47	UTE	LTE				82		510UL	04/03 RFO
		14.98	176	P	1	DNT	LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
		0.81	93	3		NQI	009	+30.25	UTE	LTE				82		510UL	04/03 RFO
108	56	9.58	175	P	1	DNT	LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
108	57	8.44	176	P	1	DNT	LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
108	58	11.52	177	P	1	DNT	LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
108	59	9.34	175	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
108	60	6.96	177	P	1	DNT	LTS	-0.06	UTE	LTE				101		510UL	04/03 RFO
108	61	6.74	174	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
108	62	9.97	179	P	1	DNT	LTS	+0.02	UTE	LTE				101		510UL	04/03 RFO
108	63	21.53	175	P	1	DNT	LTS	+0.07	UTE	LTE				102		510UL	04/03 RFO
108	64	20.90	176	P	1	DNT	LTS	+0.04	UTE	LTE				101		510UL	04/03 RFO
108	65	16.18	174	P	1	DNT	LTS	+0.02	UTE	LTE				102		510UL	04/03 RFO
108	66	13.91	178	P	1	DNT	LTS	+0.02	UTE	LTE				101		510UL	04/03 RFO
108	67	9.16	165	P	1	DNT	LTS	+0.05	UTE	LTE				102		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
108	68	7.93	166	P 1	DNT		LTS	+0.11	UTE	LTE				101		510UL	04/03 RFO
108	69	14.27	167	P 1	DNT		LTS	+0.02	UTE	LTE				102		510UL	04/03 RFO
108	70	19.08	170	P 1	DNT		LTS	+0.04	UTE	LTE				101		510UL	04/03 RFO
108	71	17.80	171	P 1	DNT		LTS	+0.02	UTE	LTE				102		510UL	04/03 RFO
108	72	19.72	174	P 1	DNT		LTS	+0.00	UTE	LTE				101		510UL	04/03 RFO
108	73	17.55	177	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
108	74	6.01	186	P 1	DNT		LTS	-0.13	UTE	LTE				101		510UL	04/03 RFO
108	100	0.40	71	P 1	NQI		010	-0.04	LTE	UTE				148		510UL	04/03 RFO
108	108	0.36	74	3	NQI		013	+15.50	LTE	UTE				149		510UL	04/03 RFO
108	115	0.54	109	P 1	NQI		010	+0.61	LTE	UTE				149		510UL	04/03 RFO
109	4	0.54	68	P 1	NQI		015	-0.72	UTE	LTE				25		510UL	04/03 RFO
109	6	2.53	86	6	ADI		LTS	+21.64	UTE	LTE				25		510UL	04/03 RFO
109	19	1.25	109	P 1	NQI		014	+0.78	UTE	LTE				26		510UL	04/03 RFO
109	44	0.34	84	3	NQI		009	+4.55	UTE	LTE				51		510UL	04/03 RFO
109	45	6.03	166	P 1	DNT		LTS	+0.02	UTE	LTE				50		510UL	04/03 RFO
109	49	1.65	116	3	NQI		LTS	+22.35	UTE	LTE				82		510UL	04/03 RFO
109	51	10.06	182	P 1	DNT		LTS	+0.07	UTE	LTE				82		510UL	04/03 RFO
109	52	13.40	181	P 1	DNT		LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
109	53	9.97	171	P 1	DNT		LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
109	54	7.73	170	P 1	DNT		LTS	+0.13	UTE	LTE				82		510UL	04/03 RFO
		0.53	136	3	NQI		012	+33.53	UTE	LTE				82		510UL	04/03 RFO
109	55	8.64	175	P 1	DNT		LTS	+0.16	UTE	LTE				82		510UL	04/03 RFO
109	56	8.93	172	P 1	DNT		LTS	+0.13	UTE	LTE				82		510UL	04/03 RFO
109	57	10.69	174	P 1	DNT		LTS	+0.07	UTE	LTE				82		510UL	04/03 RFO
		0.49	87	3	NQI		008	+20.14	UTE	LTE				82		510UL	04/03 RFO
109	58	0.44	96	3	NQI		013	+10.38	UTE	LTE				82		510UL	04/03 RFO
		8.04	172	P 1	DNT		LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
		0.90	106	3	NQI		013	+14.96	UTE	LTE				82		510UL	04/03 RFO
109	60	0.29	74	3	NQI		009	+7.05	UTE	LTE				101		510UL	04/03 RFO
109	61	0.48	75	3	NQI		015	+44.28	UTE	LTE				102		510UL	04/03 RFO
109	62	18.70	179	P 1	DNT		LTS	+0.00	UTE	LTE				101		510UL	04/03 RFO
109	63	10.55	176	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
109	64	26.65	177	P 1	DNT		LTS	+0.02	UTE	LTE				101		510UL	04/03 RFO
109	65	17.99	174	P 1	DNT		LTS	+0.05	UTE	LTE				102		510UL	04/03 RFO
109	66	23.82	177	P 1	DNT		LTS	+0.02	UTE	LTE				101		510UL	04/03 RFO
109	67	11.86	168	P 1	DNT		LTS	+0.05	UTE	LTE				102		510UL	04/03 RFO
109	68	11.93	178	P 1	DNT		LTS	+0.00	UTE	LTE				101		510UL	04/03 RFO
109	69	15.55	177	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
109	70	14.31	174	P 1	DNT		LTS	-0.02	UTE	LTE				101		510UL	04/03 RFO
109	71	13.53	177	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
109	72	10.41	180	P 1	DNT		LTS	-0.13	UTE	LTE				101		510UL	04/03 RFO
109	78	0.35	81	3	NQI		008	+12.41	UTE	LTE				101		510UL	04/03 RFO
109	83	0.72	113	P 1	NQI		011	+0.75	UTE	LTE				102		510UL	04/03 RFO
109	88	0.82	99	3	NQI		002	+13.83	LTE	UTE				149		510UL	04/03 RFO
109	93	7.22	87	6	ADI		001	+12.75	LTE	UTE				148		510UL	04/03 RFO
109	94	0.40	104	3	NQI		011	+13.91	LTE	UTE				149		510UL	04/03 RFO
109	107	0.47	109	3	NQI		015	+2.76	LTE	UTE				149		510UL	04/03 RFO
109	110	0.39	86	3	NQI		010	+18.75	LTE	UTE				143		510UL	04/03 RFO
		0.33	108	3	NQI		010	+23.42	LTE	UTE				143		510UL	04/03 RFO
		0.32	86	3	NQI		011	+3.50	LTE	UTE				143		510UL	04/03 RFO
		0.40	97	3	NQI		010	+21.96	LTE	UTE				143		510UL	04/03 RFO
109	112	0.69	28	3	NQI		010	+1.30	LTE	UTE				143		510UL	04/03 RFO
		0.45	64	P 1	NQI		012	+0.94	LTE	UTE				143		510UL	04/03 RFO
109	117	11.06	181	3	DNT		LTE	+3.36	LTE	UTE				143		510UL	04/03 RFO
110	7	0.40	80	P 1	NQI		014	+0.18	UTE	LTE				26		510UL	04/03 RFO
110	10	0.63	78	3	NQI		014	+33.05	UTE	LTE				25		510UL	04/03 RFO
110	45	6.98	187	P 1	DNT		LTS	-0.06	UTE	LTE				79		510UL	04/03 RFO
110	54	8.36	180	P 1	DNT		LTS	+0.00	UTE	LTE				79		510UL	04/03 RFO
110	55	0.27	97	3	NQI		008	+4.13	UTE	LTE				82		510UL	04/03 RFO
		7.91	178	P 1	DNT		LTS	+0.02	UTE	LTE				82		510UL	04/03 RFO
110	56	7.11	173	P 1	DNT		LTS	-0.11	UTE	LTE				82		510UL	04/03 RFO
110	57	8.39	174	P 1	DNT		LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
110	62	7.36	179	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
		13.93	186	3	DNT		007	+18.34	UTE	LTE				102		510UL	04/03 RFO
110	63	7.62	183	P 1	DNT		LTS	-0.09	UTE	LTE				101		510UL	04/03 RFO
110	64	13.61	177	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
110	65	20.49	178	P 1	DNT		LTS	-0.02	UTE	LTE				101		510UL	04/03 RFO
110	66	12.08	179	P 1	DNT		LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
110	67	8.26	186	P	1	DNT	LTS	-0.11	UTE	LTE				101		510UL	04/03 RFO
110	68	7.10	175	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
110	69	7.65	184	P	1	DNT	LTS	-0.11	UTE	LTE				101		510UL	04/03 RFO
110	70	6.46	182	P	1	DNT	LTS	+0.00	UTE	LTE				102		510UL	04/03 RFO
110	73	0.27	100	3		NQI	015	+26.07	UTE	LTE				101		510UL	04/03 RFO
110	117	3.54	54	6		ADI	015	+32.00	LTE	UTE				143		510UL	04/03 RFO
		18.46	189	P	1	DNT	015	+0.55	LTE	UTE				143		510UL	04/03 RFO
		27.83	195	P	1	DNT	UTS	+0.16	LTE	UTE				143		510UL	04/03 RFO
111	2	0.28	95	3		NQI	011	+10.66	UTE	LTE				25		510UL	04/03 RFO
111	11	0.40	57	3		NQI	002	+13.90	UTE	LTE				25		510UL	04/03 RFO
111	40	0.97	118	P	1	NQI	UTS	+16.96	UTE	LTE				50		510UL	04/03 RFO
111	46	1.39	75	3		NQI	LTS	+24.30	UTE	LTE				79		510UL	04/03 RFO
		0.58	95	3		NQI	LTS	+24.99	UTE	LTE				79		510UL	04/03 RFO
111	53	6.04	181	P	1	DNT	LTS	+0.02	UTE	LTE				79		510UL	04/03 RFO
111	54	7.02	181	P	1	DNT	LTS	-0.04	UTE	LTE				79		510UL	04/03 RFO
111	85	0.82	102	P	1	NQI	UTS	+13.91	UTE	LTE				101		510UL	04/03 RFO
111	111	2.58	108	3		NQI	012	+1.11	LTE	UTE				143		510UL	04/03 RFO
112	2	7.25	177	3		DNT	LTE	+10.77	UTE	LTE				26		510UL	04/03 RFO
		0.33	113	3		NQI	002	+33.76	UTE	LTE				26		510UL	04/03 RFO
112	7	0.48	102	3		NQI	014	+20.10	UTE	LTE				25		510UL	04/03 RFO
112	16	0.31	102	3		NQI	012	+22.72	UTE	LTE				25		510UL	04/03 RFO
112	18	0.42	82	3		NQI	011	+8.63	UTE	LTE				25		510UL	04/03 RFO
112	20	0.65	96	P	1	NQI	LTE	+9.22	UTE	LTE				25		510UL	04/03 RFO
112	25	0.25	110	P	1	NQI	015	+0.18	UTE	LTE				50		510UL	04/03 RFO
112	32	0.33	95	3		NQI	007	+6.94	UTE	LTE				51		510UL	04/03 RFO
112	40	0.38	105	3		NQI	006	+14.35	UTE	LTE				51		510UL	04/03 RFO
112	53	6.71	181	P	1	DNT	LTS	+0.00	UTE	LTE				79		510UL	04/03 RFO
112	112	0.84	125	3		NQI	012	+1.11	LTE	UTE				143		510UL	04/03 RFO
112	116	0.81	70	P	1	NQI	014	-0.91	LTE	UTE				143		510UL	04/03 RFO
112	117	1.99	151	3		NQI	015	+21.66	LTE	UTE				141		510UL	04/03 RFO
113	4	0.64	104	P	1	NQI	008	+0.52	UTE	LTE				25		510UL	04/03 RFO
113	7	0.77	101	P	1	NQI	009	-0.80	UTE	LTE				26		510UL	04/03 RFO
113	23	0.45	117	3		NQI	008	+36.08	UTE	LTE				51		510UL	04/03 RFO
113	27	0.44	103	3		NQI	014	+3.98	UTE	LTE				51		510UL	04/03 RFO
113	44	0.28	83	3		NQI	008	+27.82	UTE	LTE				50		510UL	04/03 RFO
113	53	6.58	185	P	1	DNT	LTS	+0.00	UTE	LTE				79		510UL	04/03 RFO
113	62	0.49	86	3		NQI	015	+42.44	UTE	LTE				102		510UL	04/03 RFO
113	90	0.50	84	3		NQI	015	+42.11	LTE	UTE				141		510UL	04/03 RFO
		0.70	102	3		NQI	015	+42.46	LTE	UTE				141		510UL	04/03 RFO
113	93	0.37	86	3		NQI	012	+19.44	LTE	UTE				143		510UL	04/03 RFO
113	95	0.63	90	3		NQI	009	+2.04	LTE	UTE				143		510UL	04/03 RFO
113	103	0.88	73	P	1	NQI	014	+0.80	LTE	UTE				143		510UL	04/03 RFO
113	112	0.85	124	3		NQI	008	+15.47	LTE	UTE				141		510UL	04/03 RFO
		0.41	118	3		NQI	012	+1.15	LTE	UTE				141		510UL	04/03 RFO
113	114	0.60	77	3		NQI	014	+28.79	LTE	UTE				141		510UL	04/03 RFO
113	116	0.83	152	3		NQI	015	+21.82	LTE	UTE				141		510UL	04/03 RFO
114	1	8.49	177	3		DNT	LTE	+10.88	UTE	LTE				26		510UL	04/03 RFO
		0.46	110	P	1	NQI	009	-0.71	UTE	LTE				26		510UL	04/03 RFO
114	2	0.37	114	3		NQI	015	+38.80	UTE	LTE				25		510UL	04/03 RFO
114	4	0.37	101	3		NQI	011	+11.30	UTE	LTE				25		510UL	04/03 RFO
		0.42	120	P	1	NQI	008	+0.00	UTE	LTE				25		510UL	04/03 RFO
114	7	0.38	117	3		NQI	014	+31.32	UTE	LTE				26		510UL	04/03 RFO
		0.30	100	3		NQI	011	+32.20	UTE	LTE				26		510UL	04/03 RFO
114	21	0.35	88	3		NQI	010	+30.70	UTE	LTE				26		510UL	04/03 RFO
114	44	0.64	65	3		NQI	003	+17.73	UTE	LTE				79		510UL	04/03 RFO
114	47	0.73	41	P	1	NQI	004	-0.17	UTE	LTE				79		510UL	04/03 RFO
114	48	0.92	86	3		NQI	015	+43.78	UTE	LTE				79		510UL	04/03 RFO
114	51	9.68	186	3		DNT	001	+6.32	UTE	LTE				79		510UL	04/03 RFO
114	52	0.40	90	3		NQI	001	+27.93	UTE	LTE				79		510UL	04/03 RFO
		0.21	105	P	1	NQI	014	+0.59	UTE	LTE				79		510UL	04/03 RFO
		0.63	49	P	1	NQI	014	+0.28	UTE	LTE				79		510UL	04/03 RFO
114	56	6.08	186	P	1	DNT	LTS	+0.00	UTE	LTE				79		510UL	04/03 RFO
114	78	0.66	94	P	1	NQI	UTS	+17.67	UTE	LTE				105		510UL	04/03 RFO
114	91	0.30	66	3		NQI	011	+28.64	UTE	LTE				165		510UL	04/03 RFO
114	95	0.40	91	3		NQI	015	+29.69	LTE	UTE				141		510UL	04/03 RFO
114	98	0.61	106	3		NQI	010	+24.35	LTE	UTE				141		510UL	04/03 RFO
		0.94	108	3		NQI	010	+34.31	LTE	UTE				141		510UL	04/03 RFO
		0.66	108	3		NQI	011	+5.29	LTE	UTE				141		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
114	102	7.50	186	3	DNT		LTE	+4.70	LTE	UTE				141		510UL	04/03 RFO
114	110	0.94	63	P 1	NQI		009	-0.52	LTE	UTE				141		510UL	04/03 RFO
114	112	0.60	94	P 1	NQI		UTS	+0.76	LTE	UTE				141		510UL	04/03 RFO
114	114	0.77	61	P 1	NQI		010	+0.76	LTE	UTE				141		510UL	04/03 RFO
		0.57	79	P 1	NQI		014	+0.87	LTE	UTE				141		510UL	04/03 RFO
114	115	0.67	115	3	NQI		010	+7.97	LTE	UTE				141		510UL	04/03 RFO
115	1	0.30	115	3	NQI		012	+33.72	UTE	LTE				32		510UL	04/03 RFO
		0.27	112	3	NQI		011	+27.68	UTE	LTE				32		510UL	04/03 RFO
		0.54	100	3	NQI		012	+32.84	UTE	LTE				32		510UL	04/03 RFO
		0.31	118	3	NQI		010	+31.20	UTE	LTE				32		510UL	04/03 RFO
115	13	0.24	81	P 1	NQI		014	+0.13	UTE	LTE				31		510UL	04/03 RFO
		0.23	102	3	NQI		015	+3.33	UTE	LTE				31		510UL	04/03 RFO
115	16	2.10	131	3	NQI		LTS	+21.75	UTE	LTE				32		510UL	04/03 RFO
115	23	0.44	125	P 1	NQI		008	-0.79	UTE	LTE				58		510UL	04/03 RFO
		0.59	76	P 1	NQI		015	+0.67	UTE	LTE				58		510UL	04/03 RFO
115	46	18.01	182	3	DNT		LTE	+4.47	UTE	LTE				79		510UL	04/03 RFO
115	61	1.02	105	P 1	NQI		004	-0.75	UTE	LTE				106		510UL	04/03 RFO
115	65	0.91	95	P 1	NQI		UTS	+20.03	UTE	LTE				106		510UL	04/03 RFO
		1.09	106	P 1	NQI		UTS	+21.23	UTE	LTE				106		510UL	04/03 RFO
115	66	0.51	98	3	NQI		010	+26.29	UTE	LTE				100		510UL	04/03 RFO
115	75	0.78	92	P 1	NQI		UTS	+21.20	UTE	LTE				106		510UL	04/03 RFO
115	102	0.70	87	3	NQI		002	+10.28	LTE	UTE				138		510UL	04/03 RFO
115	103	0.62	115	3	NQI		014	+1.30	LTE	UTE				139		510UL	04/03 RFO
115	108	0.58	64	P 1	NQI		009	-0.74	LTE	UTE				138		510UL	04/03 RFO
115	114	8.21	166	3	DNT		LTS	+0.82	LTE	UTE				139		510UL	04/03 RFO
		1.30	133	3	NQI		010	+7.85	LTE	UTE				139		510UL	04/03 RFO
								TO+9.70									
116	19	0.45	123	P 1	NQI		UTS	+18.15	UTE	LTE				32		510UL	04/03 RFO
116	21	0.66	77	P 1	NQI		014	+0.50	UTE	LTE				31		510UL	04/03 RFO
116	24	0.46	98	3	NQI		006	+37.14	UTE	LTE				58		510UL	04/03 RFO
116	41	0.20	97	P 1	NQI		014	+0.00	UTE	LTE				59		510UL	04/03 RFO
116	49	0.30	76	3	NQI		015	+23.29	UTE	LTE				79		510UL	04/03 RFO
116	61	0.41	107	3	NQI		007	+4.93	UTE	LTE				100		510UL	04/03 RFO
116	77	0.37	82	3	NQI		003	+21.09	UTE	LTE				100		510UL	04/03 RFO
116	98	0.48	113	3	NQI		007	+34.11	LTE	UTE				138		510UL	04/03 RFO
116	101	0.36	85	3	NQI		014	+27.50	LTE	UTE				139		510UL	04/03 RFO
116	107	0.95	54	P 1	NQI		009	-0.65	LTE	UTE				138		510UL	04/03 RFO
116	111	11.88	198	P 1	DNT		UTS	+0.11	LTE	UTE				138		510UL	04/03 RFO
117	10	0.37	85	3	NQI		010	+4.28	UTE	LTE				32		510UL	04/03 RFO
117	14	0.91	81	6	ADI		LTS	+29.58	UTE	LTE				32		510UL	04/03 RFO
117	16	0.34	104	3	TWD	23	013	+22.42	UTE	LTE				32		510UL	04/03 RFO
117	20	0.49	121	P 1	NQI		015	+0.46	UTE	LTE				57		510UL	04/03 RFO
117	25	0.42	114	3	NQI		007	+14.70	UTE	LTE				59		510UL	04/03 RFO
117	45	0.28	109	3	NQI		015	+17.95	UTE	LTE				79		510UL	04/03 RFO
117	49	0.73	81	P 1	NQI		015	+0.70	UTE	LTE				79		510UL	04/03 RFO
117	90	1.33	72	P 1	NQI		015	+0.85	LTE	UTE				138		510UL	04/03 RFO
117	95	1.08	101	3	NQI		010	+22.67	LTE	UTE				138		510UL	04/03 RFO
117	97	0.49	57	3	NQI		002	+11.03	LTE	UTE				138		510UL	04/03 RFO
117	107	0.54	126	3	NQI		010	+19.54	LTE	UTE				139		510UL	04/03 RFO
		0.57	111	3	NQI		010	+20.37	LTE	UTE				139		510UL	04/03 RFO
118	1	0.57	131	P 1	NQI		015	-0.24	UTE	LTE				32		510UL	04/03 RFO
118	3	0.85	57	P 1	NQI		009	-0.72	UTE	LTE				31		510UL	04/03 RFO
118	21	0.46	93	3	NQI		010	+14.14	UTE	LTE				59		510UL	04/03 RFO
118	47	0.40	99	3	NQI		009	+14.75	UTE	LTE				79		510UL	04/03 RFO
118	49	0.29	107	3	NQI		013	+27.08	UTE	LTE				79		510UL	04/03 RFO
118	83	0.35	87	3	NQI		008	+36.78	LTE	UTE				138		510UL	04/03 RFO
118	90	0.59	76	3	NQI		011	+33.00	LTE	UTE				139		510UL	04/03 RFO
118	100	0.79	81	3	NQI		010	+14.19	LTE	UTE				139		510UL	04/03 RFO
		0.49	84	P 1	NQI		009	-0.74	LTE	UTE				139		510UL	04/03 RFO
118	101	0.96	60	P 1	NQI		009	-0.70	LTE	UTE				138		510UL	04/03 RFO
118	105	0.48	113	3	NQI		012	+26.56	LTE	UTE				138		510UL	04/03 RFO
		0.25	79	3	NQI		012	+27.03	LTE	UTE				138		510UL	04/03 RFO
118	107	0.60	122	3	NQI		010	+12.57	LTE	UTE				139		510UL	04/03 RFO
		0.35	108	3	NQI		010	+14.38	LTE	UTE				139		510UL	04/03 RFO
119	10	0.49	126	3	NQI		006	+3.20	UTE	LTE				31		510UL	04/03 RFO
119	11	4.35	87	6	ADI		LTS	+27.43	UTE	LTE				32		510UL	04/03 RFO
		4.61	88	6	ADI		001	+35.90	UTE	LTE				32		510UL	04/03 RFO
119	19	0.21	95	3	NQI		011	+36.22	UTE	LTE				59		510UL	04/03 RFO
119	24	0.42	93	3	NQI		008	+6.64	UTE	LTE				57		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
119	36	0.27	80	3	NQI		001	+15.39	UTE	LTE				57		510UL	04/03 RFO
119	43	0.32	125	3	NQI		LTS	+43.25	UTE	LTE				79		510UL	04/03 RFO
119	45	0.40	112	3	NQI		006	+29.77	UTE	LTE				79		510UL	04/03 RFO
119	55	1.22	45	P 1	NQI		003	+0.57	UTE	LTE				100		510UL	04/03 RFO
119	65	0.66	77	P 1	NQI		006	-0.59	UTE	LTE				106		510UL	04/03 RFO
119	72	0.83	64	P 1	NQI		UTS	+16.57	UTE	LTE				106		510UL	04/03 RFO
119	84	0.34	73	3	NQI		001	+7.07	LTE	UTE				139		510UL	04/03 RFO
119	85	0.40	113	3	NQI		013	+28.69	LTE	UTE				138		510UL	04/03 RFO
120	1	0.50	131	P 1	NQI		015	+0.29	UTE	LTE				32		510UL	04/03 RFO
120	2	0.67	102	3	NQI		011	+31.93	UTE	LTE				31		510UL	04/03 RFO
		0.19	95	3	NQI		011	+32.34	UTE	LTE				31		510UL	04/03 RFO
		0.43	95	3	NQI		013	+22.26	UTE	LTE				31		510UL	04/03 RFO
120	5	0.31	91	P 1	NQI		009	+0.40	UTE	LTE				32		510UL	04/03 RFO
		0.51	103	3	NQI		014	+33.01	UTE	LTE				32		510UL	04/03 RFO
120	55	0.38	82	3	NQI		012	+5.46	UTE	LTE				100		510UL	04/03 RFO
		0.54	66	3	NQI		011	+2.48	UTE	LTE				100		510UL	04/03 RFO
120	57	0.63	109	3	NQI		015	+20.27 TO+38.54	UTE	LTE				100		510UL	04/03 RFO
		0.42	91	3	NQI		015	+3.23	UTE	LTE				100		510UL	04/03 RFO
		0.57	109	3	NQI		011	+6.80 TO+35.80	UTE	LTE				100		510UL	04/03 RFO
		0.44	124	3	NQI		010	+19.94 TO+34.10	UTE	LTE				100		510UL	04/03 RFO
		0.53	71	3	NQI		009	+34.64	UTE	LTE				100		510UL	04/03 RFO
120	69	0.51	105	3	NQI		003	+35.96	LTE	LTE				106		510UL	04/03 RFO
120	88	0.65	63	P 1	NQI		007	+0.80	LTE	UTE				139		510UL	04/03 RFO
121	5	0.93	87	P 1	NQI		010	+0.56	UTE	LTE				31		510UL	04/03 RFO
121	33	0.34	84	3	NQI		007	+25.13	UTE	LTE				57		510UL	04/03 RFO
121	41	1.16	56	P 1	NQI		UTS	+15.68	UTE	LTE				77		510UL	04/03 RFO
121	42	0.54	92	3	NQI		007	+34.93	UTE	LTE				79		510UL	04/03 RFO
121	45	0.32	59	P 1	NQI		014	+0.18	UTE	LTE				77		510UL	04/03 RFO
121	48	1.93	50	P 1	NQI		LTS	-0.36	UTE	LTE				79		510UL	04/03 RFO
121	50	0.43	145	3	NQI		002	+9.85	UTE	LTE				79		510UL	04/03 RFO
121	57	0.95	101	3	NQI		015	+14.91 TO+43.44	UTE	LTE				100		510UL	04/03 RFO
		0.65	108	3	NQI		011	+3.73 TO+35.97	UTE	LTE				100		510UL	04/03 RFO
		0.34	81	3	NQI		010	+13.78	UTE	LTE				100		510UL	04/03 RFO
121	76	0.85	119	3	NQI		LTS	+26.47	UTE	LTE				106		510UL	04/03 RFO
121	79	0.43	93	3	NQI		006	+36.48	UTE	LTE				100		510UL	04/03 RFO
121	81	0.50	85	3	NQI		006	+31.91	LTE	UTE				139		510UL	04/03 RFO
121	83	20.08	182	3	DNT		LTE	+1.48	LTE	UTE				139		510UL	04/03 RFO
		27.72	182	3	DNT		LTE	+2.00	LTE	UTE				139		510UL	04/03 RFO
		15.27	179	3	DNT		LTE	+8.08	LTE	UTE				139		510UL	04/03 RFO
		6.15	181	3	DNT		LTE	+6.91	LTE	UTE				139		510UL	04/03 RFO
		8.52	183	3	DNT		LTE	+10.21	LTE	UTE				139		510UL	04/03 RFO
121	85	22.84	181	3	DNT		LTE	+2.68	LTE	UTE				139		510UL	04/03 RFO
		13.01	180	3	DNT		LTE	+3.88	LTE	UTE				139		510UL	04/03 RFO
		12.38	186	3	DNT		LTE	+2.08	LTE	UTE				139		510UL	04/03 RFO
		90.02	182	3	DNT		LTE	+1.21	LTE	UTE				139		510UL	04/03 RFO
121	87	0.36	114	3	NQI		011	+16.95	LTE	UTE				139		510UL	04/03 RFO
121	89	0.51	58	P 1	NQI		007	+0.80	LTE	UTE				139		510UL	04/03 RFO
121	93	0.59	47	P 1	NQI		007	+0.83	LTE	UTE				139		510UL	04/03 RFO
121	99	0.39	95	3	NQI		010	+26.88	LTE	UTE				139		510UL	04/03 RFO
		0.41	112	3	NQI		010	+27.40	LTE	UTE				139		510UL	04/03 RFO
		0.78	56	P 1	NQI		009	-0.63	LTE	UTE				139		510UL	04/03 RFO
121	101	17.71	182	3	DNT		LTE	+3.59	LTE	UTE				139		510UL	04/03 RFO
		18.28	183	3	DNT		LTE	+1.79	LTE	UTE				139		510UL	04/03 RFO
122	8	0.45	77	3	NQI		LTS	+40.17	UTE	LTE				31		510UL	04/03 RFO
122	18	0.29	119	3	NQI		007	+24.78	UTE	LTE				59		510UL	04/03 RFO
122	22	0.49	112	P 1	NQI		014	+0.76	UTE	LTE				57		510UL	04/03 RFO
122	31	0.28	109	3	NQI		013	+30.54	UTE	LTE				57		510UL	04/03 RFO
122	34	0.28	108	3	NQI		013	+16.46	UTE	LTE				57		510UL	04/03 RFO
		0.30	101	3	NQI		013	+15.63	UTE	LTE				57		510UL	04/03 RFO
122	37	0.22	118	3	NQI		LTS	+36.64	UTE	LTE				57		510UL	04/03 RFO
122	56	0.31	111	3	NQI		007	+15.53	UTE	LTE				100		510UL	04/03 RFO
122	82	8.65	186	3	DNT		LTE	+3.30	LTE	UTE				138		510UL	04/03 RFO
		0.50	100	3	NQI		011	+30.54 TO+32.76	LTE	UTE				138		510UL	04/03 RFO
122	85	0.67	76	P 1	NQI		003	-0.71	LTE	UTE				139		510UL	04/03 RFO
122	90	0.29	72	3	NQI		010	+5.93	LTE	UTE				138		510UL	04/03 RFO
122	92	0.39	78	3	NQI		013	+24.64	LTE	UTE				139		510UL	04/03 RFO
122	96	3.21	194	3	NQI		004	+20.86	LTE	UTE				133		510UL	04/03 RFO
122	99	0.42	107	3	NQI		008	+26.00	LTE	UTE				134		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
122	101	0.42	114	3	NQI	008	+27.34	LTE	UTE					134		510UL	04/03 RFO
		0.37	91	3	NQI	011	+15.93	LTE	UTE					134		510UL	04/03 RFO
123	1	0.60	97	3	NQI	015	+9.26	UTE	LTE					32		510UL	04/03 RFO
		1.40	56	6	ADI	014	+31.03	UTE	LTE					32		510UL	04/03 RFO
		0.60	130	3	NQI	015	+7.74	UTE	LTE					32		510UL	04/03 RFO
123	3	0.47	101	3	NQI	014	+32.82	UTE	LTE					31		510UL	04/03 RFO
		0.32	97	3	NQI	014	+31.99	UTE	LTE					31		510UL	04/03 RFO
		0.65	138	3	NQI	014	+33.67	UTE	LTE					31		510UL	04/03 RFO
123	5	0.26	101	P 1	NQI	010	+0.19	UTE	LTE					31		510UL	04/03 RFO
		0.39	105	3	NQI	002	+22.23	UTE	LTE					31		510UL	04/03 RFO
123	6	0.65	95	P 1	NQI	010	+0.53	UTE	LTE					32		510UL	04/03 RFO
123	9	0.42	76	P 1	NQI	010	+0.56	UTE	LTE					31		510UL	04/03 RFO
123	27	0.30	113	P 1	NQI	UTS	+15.70	UTE	LTE					60		510UL	04/03 RFO
		0.34	103	3	NQI	006	+33.35	UTE	LTE					60		510UL	04/03 RFO
123	29	0.52	60	P 1	NQI	015	+0.47	UTE	LTE					60		510UL	04/03 RFO
		0.28	80	3	NQI	012	+7.56	UTE	LTE					60		510UL	04/03 RFO
123	35	7.41	194	3	DNT	001	+32.99	UTE	LTE					57		510UL	04/03 RFO
		0.78	100	3	DWI	001	+32.54	UTE	LTE					57		510UL	04/03 RFO
123	37	0.61	106	P 1	NQI	006	-0.52	UTE	LTE					57		510UL	04/03 RFO
123	62	0.32	118	3	NQI	012	+26.09	UTE	LTE					100		510UL	04/03 RFO
123	68	0.60	105	3	NQI	010	+21.94	UTE	LTE					100		510UL	04/03 RFO
123	86	0.36	110	3	NQI	015	+27.42	LTE	UTE					138		510UL	04/03 RFO
		0.41	122	3	NQI	015	+33.64	LTE	UTE					138		510UL	04/03 RFO
		0.38	126	3	NQI	015	+23.91	LTE	UTE					138		510UL	04/03 RFO
123	88	0.44	113	3	NQI	008	+32.86	LTE	UTE					138		510UL	04/03 RFO
123	90	0.65	84	P 1	NQI	UTS	+1.47	LTE	UTE					138		510UL	04/03 RFO
123	95	0.33	76	3	NQI	014	+30.96	LTE	UTE					133		510UL	04/03 RFO
123	104	26.88	175	3	DNT	LTS	+1.07	LTE	UTE					134		510UL	04/03 RFO
		1.05	128	3	NQI	011	+5.02	LTE	UTE					134		510UL	04/03 RFO
		0.70	131	3	NQI	011	+5.55	LTE	UTE					134		510UL	04/03 RFO
124	4	0.89	76	P 1	NQI	010	+0.56	UTE	LTE					31		510UL	04/03 RFO
		0.27	108	3	NQI	LTS	+32.84	UTE	LTE					31		510UL	04/03 RFO
124	14	0.22	63	P 1	NQI	014	+0.30	UTE	LTE					31		510UL	04/03 RFO
124	32	0.42	107	3	NQI	006	+29.22	UTE	LTE					60		510UL	04/03 RFO
124	34	0.33	58	P 1	NQI	007	-0.57	UTE	LTE					60		510UL	04/03 RFO
124	46	0.51	106	3	NQI	015	+37.46	UTE	LTE					77		510UL	04/03 RFO
124	58	0.41	115	3	NQI	012	+27.60	UTE	LTE					106		510UL	04/03 RFO
124	73	3.91	106	3	NQI	LTS	+24.33	UTE	LTE					106		510UL	04/03 RFO
124	85	0.69	85	P 1	NQI	003	-0.74	LTE	UTE					139		510UL	04/03 RFO
124	90	0.39	86	3	NQI	010	+8.92	LTE	UTE					133		510UL	04/03 RFO
124	93	2.38	118	3	NQI	LTS	+22.17	LTE	UTE					134		510UL	04/03 RFO
		1.49	110	3	NQI	LTS	+24.32	LTE	UTE					134		510UL	04/03 RFO
		1.13	113	3	NQI	LTS	+26.29	LTE	UTE					134		510UL	04/03 RFO
		1.10	134	3	NQI	LTS	+29.44	LTE	UTE					134		510UL	04/03 RFO
124	99	0.27	95	3	NQI	011	+10.15	LTE	UTE					134		510UL	04/03 RFO
		0.43	62	P 1	NQI	010	+0.02	LTE	UTE					134		510UL	04/03 RFO
124	101	16.59	177	3	DNT	LTS	+1.23	LTE	UTE					134		510UL	04/03 RFO
		0.55	113	3	NQI	011	+4.88	LTE	UTE					134		510UL	04/03 RFO
		0.56	129	3	NQI	010	+28.92	LTE	UTE					134		510UL	04/03 RFO
125	4	1.23	77	P 1	NQI	010	+0.56	UTE	LTE					31		510UL	04/03 RFO
125	5	0.65	95	P 1	NQI	010	+0.55	UTE	LTE					32		510UL	04/03 RFO
125	6	0.45	74	P 1	NQI	010	+0.58	UTE	LTE					31		510UL	04/03 RFO
125	16	0.37	110	P 1	NQI	UTS	+1.15	UTE	LTE					60		510UL	04/03 RFO
125	20	0.51	76	3	NQI	007	+10.60	UTE	LTE					63		510UL	04/03 RFO
125	21	0.47	68	P 1	NQI	006	-0.62	UTE	LTE					60		510UL	04/03 RFO
125	28	0.42	114	3	NQI	013	+32.76	UTE	LTE					63		510UL	04/03 RFO
125	30	0.40	114	3	NQI	011	+25.18	UTE	LTE					63		510UL	04/03 RFO
125	31	0.35	102	3	NQI	004	+16.83	UTE	LTE					60		510UL	04/03 RFO
125	33	0.30	93	3	NQI	011	+16.94	UTE	LTE					60		510UL	04/03 RFO
125	35	0.55	123	P 1	NQI	UTS	+20.78	UTE	LTE					60		510UL	04/03 RFO
125	36	0.60	28	P 1	NQI	015	+0.59	UTE	LTE					63		510UL	04/03 RFO
125	44	0.49	127	3	NQI	015	+39.22	UTE	LTE					77		510UL	04/03 RFO
125	50	0.60	102	3	NQI	010	+33.16	UTE	LTE					155		510UL	04/03 RFO
125	63	6.24	192	3	DNT	005	+17.76	UTE	LTE					112		510UL	04/03 RFO
125	75	0.35	94	3	NQI	009	+19.63	UTE	LTE					114		510UL	04/03 RFO
125	80	0.33	100	3	NQI	008	+18.50	LTE	UTE					138		510UL	04/03 RFO
		0.41	118	3	NQI	008	+24.39	LTE	UTE					138		510UL	04/03 RFO
125	86	0.58	126	3	NQI	001	+10.19	LTE	UTE					138		510UL	04/03 RFO

TO+31.36

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
125	95	1.26	76	3	NQI		008	+13.70	LTE	UTE				133		510UL	04/03 RFO
125	99	10.59	184	3	DNT		LTE	+5.90	LTE	UTE				133		510UL	04/03 RFO
		28.16	185	3	DNT		LTE	+1.58	LTE	UTE				133		510UL	04/03 RFO
		1.34	143	3	NQI		010	+16.11	LTE	UTE				133		510UL	04/03 RFO
		0.70	120	3	NQI		010	+23.52	LTE	UTE				133		510UL	04/03 RFO
		0.49	80	3	NQI		010	+23.81	LTE	UTE				133		510UL	04/03 RFO
		0.60	99	P 1	NQI		011	+0.78	LTE	UTE				133		510UL	04/03 RFO
		0.42	121	3	NQI		011	+22.58	LTE	UTE				133		510UL	04/03 RFO
		0.34	103	3	NQI		015	+6.93	LTE	UTE				133		510UL	04/03 RFO
		0.47	57	3	NQI		010	+24.97	LTE	UTE				133		510UL	04/03 RFO
125	100	40.41	179	3	DNT		LTS	+1.18	LTE	UTE				134		510UL	04/03 RFO
		0.85	123	3	NQI		011	+5.07	LTE	UTE				134		510UL	04/03 RFO
		0.71	111	3	NQI		010	+18.31	TO+31.90	LTE	UTE			134		510UL	04/03 RFO
126	2	0.49	74	P 1	NQI		UTS	+12.30	UTE	LTE				32		510UL	04/03 RFO
126	4	0.72	83	P 1	NQI		010	+0.53	UTE	LTE				32		510UL	04/03 RFO
126	5	1.02	98	P 1	NQI		010	+0.61	UTE	LTE				31		510UL	04/03 RFO
126	33	0.38	122	3	NQI		007	+12.95	UTE	LTE				60		510UL	04/03 RFO
126	34	0.41	92	3	NQI		010	+4.13	UTE	LTE				63		510UL	04/03 RFO
126	44	0.40	105	3	NQI		015	+10.07	TO+19.73	UTE	LTE			76		510UL	04/03 RFO
		1.04	128	3	NQI		015	+35.67	TO+45.27	UTE	LTE			76		510UL	04/03 RFO
126	58	0.56	83	P 1	NQI		UTS	+20.56	UTE	LTE				114		510UL	04/03 RFO
126	81	0.51	102	3	NQI		009	+9.60	LTE	UTE				138		510UL	04/03 RFO
		0.37	81	3	NQI		009	+29.75	LTE	UTE				138		510UL	04/03 RFO
		0.30	162	3	NQI		010	+6.50	LTE	UTE				138		510UL	04/03 RFO
		0.82	96	3	NQI		010	+19.60	TO+34.22	LTE	UTE			138		510UL	04/03 RFO
		0.41	107	3	NQI		008	+34.70	TO+37.85	LTE	UTE			138		510UL	04/03 RFO
126	91	0.61	68	P 1	NQI		013	+0.97	LTE	UTE				133		510UL	04/03 RFO
126	93	0.47	108	3	NQI		014	+28.48	LTE	UTE				133		510UL	04/03 RFO
126	98	0.59	109	3	NQI		010	+17.56	TO+21.62	LTE	UTE			134		510UL	04/03 RFO
126	99	0.62	115	3	NQI		010	+24.76	TO+30.19	LTE	UTE			134		510UL	04/03 RFO
127	2	1.05	119	P 1	NQI		015	-0.35	UTE	LTE				32		510UL	04/03 RFO
		0.98	112	3	NQI		014	+31.50	UTE	LTE				32		510UL	04/03 RFO
127	3	1.95	116	P 1	NQI		015	-0.22	UTE	LTE				31		510UL	04/03 RFO
		0.40	106	3	NQI		013	+1.09	UTE	LTE				31		510UL	04/03 RFO
127	5	1.62	92	P 1	NQI		010	+0.63	UTE	LTE				31		510UL	04/03 RFO
127	7	0.57	74	P 1	NQI		009	+0.50	UTE	LTE				31		510UL	04/03 RFO
127	10	0.42	78	P 1	NQI		009	+0.49	UTE	LTE				32		510UL	04/03 RFO
127	17	0.57	107	3	NQI		010	+21.54	UTE	LTE				63		510UL	04/03 RFO
		0.37	77	3	NQI		010	+20.41	UTE	LTE				63		510UL	04/03 RFO
127	28	0.25	102	3	NQI		006	+33.87	UTE	LTE				60		510UL	04/03 RFO
127	30	0.45	81	P 1	NQI		014	+0.41	UTE	LTE				60		510UL	04/03 RFO
		0.34	107	3	NQI		007	+16.66	UTE	LTE				60		510UL	04/03 RFO
127	35	0.71	122	P 1	NQI		009	-0.80	UTE	LTE				63		510UL	04/03 RFO
127	54	0.46	126	3	NQI		012	+10.66	UTE	LTE				113		510UL	04/03 RFO
127	65	0.36	54	3	NQI		009	+5.07	UTE	LTE				114		510UL	04/03 RFO
		0.31	84	3	NQI		008	+22.50	UTE	LTE				114		510UL	04/03 RFO
127	75	0.41	53	3	NQI		013	+24.18	UTE	LTE				114		510UL	04/03 RFO
		0.38	102	3	NQI		002	+33.05	UTE	LTE				114		510UL	04/03 RFO
127	92	0.60	53	P 1	NQI		009	-0.74	LTE	UTE				134		510UL	04/03 RFO
		0.63	119	P 1	NQI		009	+0.61	LTE	UTE				134		510UL	04/03 RFO
127	96	0.59	98	3	NQI		010	+20.22	LTE	UTE				134		510UL	04/03 RFO
128	1	1.61	60	6	ADI		014	+31.43	UTE	LTE				32		510UL	04/03 RFO
128	2	0.46	122	3	NQI		011	+5.99	UTE	LTE				31		510UL	04/03 RFO
128	4	0.57	91	P 1	NQI		010	+0.37	UTE	LTE				31		510UL	04/03 RFO
		0.18	70	3	NQI		015	+10.20	UTE	LTE				31		510UL	04/03 RFO
		0.20	92	P 1	NQI		010	+0.61	UTE	LTE				31		510UL	04/03 RFO
128	6	0.56	81	P 1	NQI		010	+0.45	UTE	LTE				31		510UL	04/03 RFO
128	9	6.28	187	P 1	DNT		003	+0.00	003	UTE				162		510UL	04/03 RFO
					OBS		003	-2.60	003	UTE				162		510UL	04/03 RFO
		65.34	178	3	DNT		002	+35.64	LTE	UTE				164		500UL	04/03 RFO
		5.25	189	P 1	DNT		003	-0.30	LTE	UTE				164		500UL	04/03 RFO
					ROB				002	LTE				32		510UL	04/03 RFO
					OBS		002	+35.29	002	LTE				32		510UL	04/03 RFO
128	13	0.41	108	P 1	NQI		008	-0.69	UTE	LTE				60		510UL	04/03 RFO
128	18	14.95	190	3	DNT		LTS	+23.98	UTE	LTE				60		510UL	04/03 RFO
128	20	0.38	90	3	NQI		009	+28.10	UTE	LTE				60		510UL	04/03 RFO
128	36	0.35	79	3	NQI		015	+21.46	UTE	LTE				77		510UL	04/03 RFO
128	60	1.15	56	P 1	NQI		LTS	-0.31	UTE	LTE				114		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
128	70	0.68	95	3	NQI	008	+1.25	UTE	LTE					114		510UL	04/03 RFO
128	74	0.35	93	3	NQI	014	+33.48	UTE	LTE					114		510UL	04/03 RFO
128	89	0.50	102	3	NQI	012	+27.55	LTE	UTE					134		510UL	04/03 RFO
128	90	0.49	114	3	NQI	008	+16.28	LTE	UTE	TO+12.22				133		510UL	04/03 RFO
129	1	1.59	76	6	ADI	014	+31.44	UTE	LTE					32		510UL	04/03 RFO
		0.77	129	3	NQI	010	+21.00	UTE	LTE					32		510UL	04/03 RFO
		0.66	125	3	NQI	011	+9.24	UTE	LTE					32		510UL	04/03 RFO
129	4	1.44	92	P 1	NQI	015	-1.00	UTE	LTE					32		510UL	04/03 RFO
129	12	0.88	114	P 1	NQI	LTE	+9.67	UTE	LTE					60		510UL	04/03 RFO
129	15	0.25	96	3	NQI	014	+12.88	UTE	LTE					63		510UL	04/03 RFO
129	21	0.29	112	3	NQI	011	+35.68	UTE	LTE					63		510UL	04/03 RFO
129	25	1.06	143	P 1	NQI	015	-0.85	UTE	LTE					63		510UL	04/03 RFO
		0.47	90	P 1	NQI	006	-0.50	UTE	LTE					63		510UL	04/03 RFO
129	27	0.80	129	P 1	NQI	003	-0.80	UTE	LTE					63		510UL	04/03 RFO
129	28	0.38	125	P 1	NQI	007	-0.57	UTE	LTE					60		510UL	04/03 RFO
		0.93	124	3	NQI	001	+15.43	UTE	LTE					60		510UL	04/03 RFO
129	33	0.34	124	3	NQI	LTS	+30.89	UTE	LTE					63		510UL	04/03 RFO
129	34	0.39	96	3	NQI	008	+36.20	UTE	LTE					76		510UL	04/03 RFO
		0.39	97	3	NQI	008	+35.12	UTE	LTE					76		510UL	04/03 RFO
129	42	0.25	73	3	NQI	015	+40.27	UTE	LTE					76		510UL	04/03 RFO
		0.45	119	3	NQI	015	+32.69	UTE	LTE					76		510UL	04/03 RFO
129	44	0.81	62	P 1	NQI	LTS	-0.28	UTE	LTE					76		510UL	04/03 RFO
129	75	16.66	182	3	DNT	006	+17.29	LTE	UTE					138		510UL	04/03 RFO
129	82	0.76	66	P 1	NQI	009	-0.92	LTE	UTE					139		510UL	04/03 RFO
129	86	0.39	65	3	NQI	015	+25.64	LTE	UTE					134		510UL	04/03 RFO
129	91	0.96	51	P 1	NQI	005	-0.74	LTE	UTE					134		510UL	04/03 RFO
130	1	3.37	124	3	NQI	013	+3.16	UTE	LTE					32		510UL	04/03 RFO
		0.59	124	3	NQI	012	+4.65	UTE	LTE					32		510UL	04/03 RFO
		2.34	80	6	ADI	011	+5.78	UTE	LTE	TO+13.53				32		510UL	04/03 RFO
		2.23	114	3	NQI	014	+32.46	UTE	LTE					32		510UL	04/03 RFO
		1.36	121	3	NQI	014	+31.59	UTE	LTE					32		510UL	04/03 RFO
130	2	0.56	108	3	NQI	011	+6.49	UTE	LTE					31		510UL	04/03 RFO
		0.52	113	3	NQI	010	+11.97	UTE	LTE					31		510UL	04/03 RFO
		1.33	117	3	NQI	014	+31.14	UTE	LTE					31		510UL	04/03 RFO
130	4	1.08	96	P 1	NQI	010	+0.58	UTE	LTE					31		510UL	04/03 RFO
130	6	0.94	81	P 1	NQI	010	+0.58	UTE	LTE					31		510UL	04/03 RFO
130	11	0.41	62	3	NQI	011	+19.73	UTE	LTE					31		510UL	04/03 RFO
130	12	0.33	114	3	NQI	002	-1.21	UTE	LTE					60		510UL	04/03 RFO
		0.50	49	P 1	NQI	006	-0.55	UTE	LTE					60		510UL	04/03 RFO
130	16	0.32	80	3	NQI	009	+8.98	UTE	LTE					60		510UL	04/03 RFO
130	26	0.35	80	P 1	NQI	014	+0.41	UTE	LTE					60		510UL	04/03 RFO
130	30	7.80	187	3	DNT	LTE	+13.45	UTE	LTE					63		510UL	04/03 RFO
130	40	0.35	88	3	NQI	015	+43.86	UTE	LTE					76		510UL	04/03 RFO
		0.34	121	3	NQI	015	+33.12	UTE	LTE					76		510UL	04/03 RFO
		0.35	94	3	NQI	015	+29.79	UTE	LTE					76		510UL	04/03 RFO
130	41	0.73	60	3	NQI	015	+20.37	UTE	LTE					77		510UL	04/03 RFO
130	69	0.31	86	3	NQI	008	+6.22	UTE	LTE					114		510UL	04/03 RFO
130	78	0.46	107	3	NQI	003	+35.99	LTE	UTE					138		510UL	04/03 RFO
130	82	0.98	96	P 1	NQI	LTE	+22.67	LTE	UTE					138		510UL	04/03 RFO
130	89	0.40	111	3	NQI	009	+23.68	LTE	UTE					134		510UL	04/03 RFO
		0.44	103	3	NQI	010	+15.93	LTE	UTE	TO+34.31				134		510UL	04/03 RFO
		0.39	96	3	NQI	011	+1.98	LTE	UTE	TO+35.49				134		510UL	04/03 RFO
		0.57	98	3	NQI	012	+17.21	LTE	UTE	TO+26.97				134		510UL	04/03 RFO
		0.42	115	3	NQI	014	+29.83	LTE	UTE					134		510UL	04/03 RFO
130	90	0.34	107	3	NQI	012	+33.37	LTE	UTE					133		510UL	04/03 RFO
130	91	0.45	105	3	NQI	008	+32.74	LTE	UTE	TO+36.01				134		510UL	04/03 RFO
		0.38	97	3	NQI	010	+16.64	LTE	UTE					134		510UL	04/03 RFO
		0.44	118	3	NQI	010	+18.91	LTE	UTE					134		510UL	04/03 RFO
		0.35	98	3	NQI	013	+11.65	LTE	UTE					134		510UL	04/03 RFO
		0.93	65	P 1	NQI	UTS	+0.82	LTE	UTE					134		510UL	04/03 RFO
131	2	0.90	101	P 1	NQI	015	-0.24	UTE	LTE					32		510UL	04/03 RFO
131	5	0.62	69	P 1	NQI	009	+0.35	UTE	LTE					31		510UL	04/03 RFO
131	36	0.41	135	P 1	NQI	014	+0.93	UTE	LTE					76		510UL	04/03 RFO
131	40	0.70	124	3	NQI	012	+7.61	UTE	LTE					77		510UL	04/03 RFO
		0.55	123	3	NQI	011	+8.03	UTE	LTE					77		510UL	04/03 RFO
		0.67	73	3	NQI	010	+20.19	UTE	LTE					77		510UL	04/03 RFO
		0.53	124	3	NQI	010	+10.49	UTE	LTE					77		510UL	04/03 RFO
		0.51	114	3	NQI	012	+33.94	UTE	LTE					77		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.51	77	3	NQI		011		+35.25	UTE	LTE			77		510UL	04/03 RFO
		0.60	125	3	NQI		009		+38.17	UTE	LTE			77		510UL	04/03 RFO
131	68	0.54	95	3	NQI		015		+14.80	UTE	LTE			113		510UL	04/03 RFO
		0.31	123	3	NQI		008		+18.40	UTE	LTE			113		510UL	04/03 RFO
131	69	0.47	122	3	NQI		008		+1.30	UTE	LTE			114		510UL	04/03 RFO
131	80	0.64	66	3	NQI		011		+35.42	LTE	UTE			138		510UL	04/03 RFO
131	84	0.31	89	3	NQI		010		+22.86	LTE	UTE			134		510UL	04/03 RFO
		0.53	83	3	NQI		010		+25.04	LTE	UTE			134		510UL	04/03 RFO
132	2	0.67	114	3	NQI		010		+10.43	UTE	LTE			31		510UL	04/03 RFO
132	4	0.57	81	P 1	NQI		010		+0.69	UTE	LTE			31		510UL	04/03 RFO
		0.77	110	P 1	NQI		010		-0.72	UTE	LTE			31		510UL	04/03 RFO
132	6	0.39	75	P 1	NQI		010		+0.54	UTE	LTE			31		510UL	04/03 RFO
132	29	11.46	183	3	DNT		003		+2.17	UTE	LTE			63		510UL	04/03 RFO
		0.37	123	3	NQI		008		+29.10	UTE	LTE		TO+34.05	63		510UL	04/03 RFO
		0.93	105	3	NQI		010		+2.50	UTE	LTE		TO+21.67	63		510UL	04/03 RFO
		0.39	94	3	NQI		011		+17.36	UTE	LTE		TO+25.45	63		510UL	04/03 RFO
		0.51	109	3	NQI		012		+2.90	UTE	LTE		TO+29.17	63		510UL	04/03 RFO
132	30	0.52	111	3	NQI		011		+22.41	UTE	LTE		TO+27.80	63		510UL	04/03 RFO
132	33	0.33	115	P 1	NQI		014		+0.95	UTE	LTE			76		510UL	04/03 RFO
		0.88	125	P 1	NQI		014		+0.75	UTE	LTE			76		510UL	04/03 RFO
132	51	0.97	51	P 1	NQI		LTS		-0.38	UTE	LTE			114		510UL	04/03 RFO
132	65	0.36	131	3	NQI		LTS		+26.30	UTE	LTE			114		510UL	04/03 RFO
		0.74	128	3	NQI		LTS		+24.34	UTE	LTE			114		510UL	04/03 RFO
132	74	0.26	79	3	NQI		015		+4.98	LTE	UTE			138		510UL	04/03 RFO
132	75	0.80	106	3	NQI		008		+11.58	LTE	UTE			139		510UL	04/03 RFO
132	80	2.60	63	P 1	NQI		008		-0.65	LTE	UTE			134		510UL	04/03 RFO
132	81	11.10	187	3	DNT		LTE		+2.55	LTE	UTE			133		510UL	04/03 RFO
132	83	0.85	102	P 1	NQI		010		+0.79	LTE	UTE			133		510UL	04/03 RFO
		0.28	99	3	NQI		010		+29.67	LTE	UTE			133		510UL	04/03 RFO
		0.33	124	3	NQI		010		+33.06	LTE	UTE			133		510UL	04/03 RFO
		0.21	88	3	NQI		011		+6.46	LTE	UTE			133		510UL	04/03 RFO
		0.43	128	3	NQI		011		+16.81	LTE	UTE		TO+34.75	133		510UL	04/03 RFO
		0.46	107	3	NQI		012		+6.11	LTE	UTE		TO+33.70	133		510UL	04/03 RFO
		0.27	115	3	NQI		010		+27.65	LTE	UTE			133		510UL	04/03 RFO
133	5	0.66	76	P 1	NQI		010		+0.54	UTE	LTE			31		510UL	04/03 RFO
133	9	0.70	121	P 1	NQI		008		-0.82	UTE	LTE			63		510UL	04/03 RFO
133	25	0.34	109	3	NQI		010		+10.85	UTE	LTE			63		510UL	04/03 RFO
133	30	0.31	90	3	NQI		012		+7.84	UTE	LTE			76		510UL	04/03 RFO
		0.47	97	3	NQI		011		+29.61	UTE	LTE			76		510UL	04/03 RFO
		0.54	123	3	NQI		011		+27.40	UTE	LTE			76		510UL	04/03 RFO
		0.33	131	3	NQI		012		+22.26	UTE	LTE			76		510UL	04/03 RFO
		0.28	81	3	NQI		012		+13.90	UTE	LTE			76		510UL	04/03 RFO
		0.34	97	3	NQI		011		+34.60	UTE	LTE			76		510UL	04/03 RFO
133	62	0.36	70	P 1	NQI		015		-0.18	UTE	LTE			114		510UL	04/03 RFO
		0.76	68	P 1	NQI		015		-0.59	UTE	LTE			114		510UL	04/03 RFO
		0.37	75	P 1	NQI		014		+1.07	UTE	LTE			114		510UL	04/03 RFO
133	66	0.32	86	3	NQI		015		+25.60	UTE	LTE			114		510UL	04/03 RFO
133	77	1.62	57	P 1	NQI		LTS		-0.42	LTE	UTE			138		510UL	04/03 RFO
133	81	0.62	111	P 1	NQI		008		-0.69	LTE	UTE			133		510UL	04/03 RFO
133	82	0.38	99	3	NQI		009		+27.98	LTE	UTE		TO+37.20	134		510UL	04/03 RFO
		0.79	93	3	NQI		010		+18.84	LTE	UTE		TO+34.59	134		510UL	04/03 RFO
133	84	0.28	97	3	NQI		010		+14.76	LTE	UTE			133		510UL	04/03 RFO
		0.28	109	3	NQI		010		+21.44	LTE	UTE			133		510UL	04/03 RFO
		0.69	104	3	NQI		011		+14.61	LTE	UTE		TO+27.51	133		510UL	04/03 RFO
		0.44	105	3	NQI		012		+11.76	LTE	UTE			133		510UL	04/03 RFO
		0.46	112	3	NQI		012		+17.45	LTE	UTE			133		510UL	04/03 RFO
		0.38	106	3	NQI		012		+18.51	LTE	UTE			133		510UL	04/03 RFO
		0.41	95	3	NQI		012		+19.64	LTE	UTE			133		510UL	04/03 RFO
		0.53	112	3	NQI		012		+23.03	LTE	UTE			133		510UL	04/03 RFO
		0.46	105	3	NQI		012		+24.00	LTE	UTE			133		510UL	04/03 RFO
		0.42	105	3	NQI		012		+25.44	LTE	UTE			133		510UL	04/03 RFO
		0.44	102	3	NQI		012		+26.43	LTE	UTE			133		510UL	04/03 RFO
133	86	6.22	170	3	DNT		LTS		+1.17	LTE	UTE			134		510UL	04/03 RFO
134	2	0.49	79	P 1	NQI		011		+0.52	UTE	LTE			31		510UL	04/03 RFO
134	26	0.24	99	3	NQI		013		+27.35	UTE	LTE		TO+11.41	60		510UL	04/03 RFO
		0.39	112	3	NQI		011		+31.70	UTE	LTE		TO+12.91	60		510UL	04/03 RFO
		0.39	112	3	NQI		012		+26.24	UTE	LTE		TO+1.42	60		510UL	04/03 RFO
134	27	13.87	184	3	DNT		003		+4.38	UTE	LTE			63		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
134	31	6.05	182	3	DNT		LTE	+8.06	UTE	LTE				76		510UL	04/03 RFO
134	32	0.58	100	3	NQI		007	+17.45	UTE	LTE				77		510UL	04/03 RFO
134	36	0.56	73	3	NQI		015	+35.28	UTE	LTE				76		510UL	04/03 RFO
134	47	0.63	56	3	NQI		003	+14.63	UTE	LTE				114		510UL	04/03 RFO
134	54	0.68	107	3	NQI		006	+32.98	UTE	LTE				113		510UL	04/03 RFO
134	59	0.51	69	P 1	NQI		007	+0.73	UTE	LTE				114		510UL	04/03 RFO
134	82	0.33	104	3	NQI		010	+32.77	LTE	UTE				133		510UL	04/03 RFO
134	83	1.38	52	P 1	NQI		009	-0.47	LTE	UTE				134		510UL	04/03 RFO
134	84	0.66	128	P 1	NQI		010	+0.74	LTE	UTE				133		510UL	04/03 RFO
134	85	8.07	172	3	DNT		LTS	+1.23	LTE	UTE				134		510UL	04/03 RFO
		0.74	64	P 1	NQI		007	+0.13	LTE	UTE				134		510UL	04/03 RFO
135	2	0.44	106	3	NQI		002	+6.19	UTE	LTE				32		510UL	04/03 RFO
135	3	0.84	94	3	NQI		004	+19.16	UTE	LTE				31		510UL	04/03 RFO
135	6	0.32	102	3	NQI		012	+28.50	UTE	LTE				60		510UL	04/03 RFO
		0.72	107	P 1	NQI		009	+0.51	UTE	LTE				60		510UL	04/03 RFO
135	24	3.38	184	3	DNT		003	+2.09	UTE	LTE				60		510UL	04/03 RFO
		0.27	127	3	DWI		003	+1.89	UTE	LTE				60		510UL	04/03 RFO
135	25	0.31	121	3	NQI		008	+29.55	UTE	LTE				63		510UL	04/03 RFO
		0.39	99	3	NQI		011	+20.00	UTE	LTE				63		510UL	04/03 RFO
135	28	0.29	96	3	NQI		015	+30.76	UTE	LTE				151		510UL	04/03 RFO
		0.35	93	3	NQI		013	+29.26	UTE	LTE				151		510UL	04/03 RFO
		0.40	109	3	NQI		013	+9.64	UTE	LTE				151		510UL	04/03 RFO
		10.72	181	3	DNT		LTE	+4.08	UTE	LTE				151		510UL	04/03 RFO
		18.84	184	3	DNT		LTE	+2.80	UTE	LTE				151		510UL	04/03 RFO
		10.12	182	3	DNT		LTE	+1.58	UTE	LTE				151		510UL	04/03 RFO
		0.41	122	3	NQI		013	+2.88	UTE	LTE				151		510UL	04/03 RFO
		0.34	115	3	NQI		011	+30.36	UTE	LTE				151		510UL	04/03 RFO
135	29	0.43	111	3	NQI		013	+16.69	UTE	LTE				151		510UL	04/03 RFO
		0.38	118	P 1	NQI		010	-1.28	UTE	LTE				151		510UL	04/03 RFO
		0.39	128	3	NQI		012	+13.06	UTE	LTE				151		510UL	04/03 RFO
135	35	0.58	103	3	NQI		015	+19.92	UTE	LTE				72		510UL	04/03 RFO
135	45	0.49	108	3	NQI		006	+33.58	UTE	LTE				113		510UL	04/03 RFO
135	56	9.71	183	3	DNT		LTE	+7.24	UTE	LTE				114		510UL	04/03 RFO
135	73	6.50	182	3	DNT		LTE	+5.79	LTE	UTE				139		510UL	04/03 RFO
		10.28	183	3	DNT		LTE	+3.35	LTE	UTE				139		510UL	04/03 RFO
135	74	0.63	78	P 1	NQI		008	-0.74	LTE	UTE				138		510UL	04/03 RFO
135	75	0.68	123	3	NQI		007	+3.26	LTE	UTE				139		510UL	04/03 RFO
		0.54	120	3	NQI		007	+25.65	LTE	UTE				139		510UL	04/03 RFO
		0.33	111	3	NQI		007	+38.32	LTE	UTE				139		510UL	04/03 RFO
135	80	9.32	182	3	DNT		LTE	+2.63	LTE	UTE				134		510UL	04/03 RFO
		11.12	183	3	DNT		LTE	+4.28	LTE	UTE				134		510UL	04/03 RFO
		0.68	117	3	NQI		010	+24.07	LTE	UTE				134		510UL	04/03 RFO
		0.44	74	P 1	NQI		UTS	+0.93	LTE	UTE				134		510UL	04/03 RFO
		0.54	121	3	NQI		011	+3.36	LTE	UTE				134		510UL	04/03 RFO
136	3	0.62	73	P 1	NQI		014	-0.78	UTE	LTE				32		510UL	04/03 RFO
136	4	0.62	68	P 1	NQI		014	-0.74	UTE	LTE				31		510UL	04/03 RFO
		0.47	95	P 1	NQI		010	+0.69	UTE	LTE				31		510UL	04/03 RFO
136	9	0.80	67	3	NQI		LTS	+22.84	UTE	LTE				63		510UL	04/03 RFO
136	20	0.29	100	P 1	NQI		014	+0.37	UTE	LTE				60		510UL	04/03 RFO
136	24	0.34	107	3	NQI		011	+33.32	UTE	LTE				60		510UL	04/03 RFO
136	25	9.45	185	3	DNT		003	+36.77	UTE	LTE				63		510UL	04/03 RFO
		6.45	186	3	DNT		003	+1.99	UTE	LTE				63		510UL	04/03 RFO
		7.34	185	3	DNT		003	+1.60	UTE	LTE				63		510UL	04/03 RFO
136	29	0.80	67	P 1	NQI		015	+0.49	UTE	LTE				73		510UL	04/03 RFO
136	44	0.24	69	3	NQI		010	+14.09	UTE	LTE				119		510UL	04/03 RFO
136	54	0.58	59	3	NQI		006	+7.80	UTE	LTE				119		510UL	04/03 RFO
136	61	0.42	98	3	NQI		009	+2.34	UTE	LTE				120		510UL	04/03 RFO
136	73	0.35	94	3	NQI		014	+26.58	LTE	UTE				139		510UL	04/03 RFO
136	74	11.54	182	3	DNT		LTE	+7.07	LTE	UTE				138		510UL	04/03 RFO
		0.32	111	3	NQI		014	+22.07	LTE	UTE				138		510UL	04/03 RFO
136	76	2.38	66	P 1	NQI		009	-0.65	LTE	UTE				134		510UL	04/03 RFO
136	77	0.38	101	3	NQI		011	+4.63	LTE	UTE				133		510UL	04/03 RFO
		0.56	106	3	NQI		011	+34.36	LTE	UTE				133		510UL	04/03 RFO
		0.34	90	P 1	NQI		009	+0.75	LTE	UTE				133		510UL	04/03 RFO
		0.60	95	3	NQI		010	+32.72	LTE	UTE				133		510UL	04/03 RFO
136	81	7.47	173	3	DNT		LTS	+1.35	LTE	UTE				134		510UL	04/03 RFO
137	3	1.45	88	P 1	NQI		010	-0.67	UTE	LTE				31		510UL	04/03 RFO
137	22	11.93	181	3	DNT		003	+2.67	UTE	LTE				67		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		6.86	180	3	DNT		003	+2.23	UTE	LTE				67		510UL	04/03 RFO
137	24	11.01	181	3	DNT		003	+1.69	UTE	LTE				67		510UL	04/03 RFO
		6.84	184	3	DNT		003	+4.01	UTE	LTE				67		510UL	04/03 RFO
137	33	0.72	98	3	NQI		015	+36.61	UTE	LTE				73		510UL	04/03 RFO
		0.69	122	3	NQI		015	+35.30	UTE	LTE				73		510UL	04/03 RFO
		0.83	75	3	NQI		013	+15.76	UTE	LTE				73		510UL	04/03 RFO
		0.81	109	3	NQI		013	+12.73	UTE	LTE				73		510UL	04/03 RFO
		0.96	68	6	ADI		013	+19.97	UTE	LTE				73		510UL	04/03 RFO
137	34	0.55	88	3	NQI		015	+6.60	UTE	LTE				72		510UL	04/03 RFO
137	45	0.32	112	3	NQI		007	+16.20	UTE	LTE				119		510UL	04/03 RFO
137	49	0.26	112	3	NQI		015	+35.56	UTE	LTE				119		510UL	04/03 RFO
		0.31	121	3	NQI		013	+24.33	UTE	LTE				119		510UL	04/03 RFO
		0.30	110	3	NQI		008	+29.54	UTE	LTE				119		510UL	04/03 RFO
137	60	0.89	117	P 1	NQI		004	-0.73	UTE	LTE				120		510UL	04/03 RFO
137	61	0.20	61	P 1	NQI		015	+0.17	UTE	LTE				119		510UL	04/03 RFO
137	66	10.87	185	3	DNT		LTE	+3.44	UTE	LTE				120		510UL	04/03 RFO
137	68	1.00	56	P 1	NQI		008	-0.74	LTE	UTE				134		510UL	04/03 RFO
137	71	0.35	108	3	NQI		014	+27.97	LTE	UTE				138		510UL	04/03 RFO
137	73	0.34	104	3	NQI		014	+29.73	LTE	UTE				133		510UL	04/03 RFO
137	74	0.29	93	3	NQI		009	+11.84	LTE	UTE				134		510UL	04/03 RFO
		0.39	96	3	NQI		009	+37.77	LTE	UTE				134		510UL	04/03 RFO
		0.67	101	3	NQI		010	+15.63	LTE	UTE				134		510UL	04/03 RFO
		0.42	105	3	NQI		011	+8.84	LTE	UTE				134		510UL	04/03 RFO
		0.49	122	3	NQI		012	+25.53	LTE	UTE				134		510UL	04/03 RFO
		0.59	105	3	NQI		013	+7.67	LTE	UTE				134		510UL	04/03 RFO
138	1	0.99	130	3	NQI		015	+1.02	UTE	LTE				32		510UL	04/03 RFO
138	3	0.68	58	P 1	NQI		010	+0.64	UTE	LTE				67		510UL	04/03 RFO
138	4	0.59	101	3	NQI		001	+21.39	UTE	LTE				66		510UL	04/03 RFO
138	11	0.31	99	3	NQI		013	+4.90	UTE	LTE				67		510UL	04/03 RFO
138	18	0.47	95	3	NQI		LTS	+20.56	UTE	LTE				66		510UL	04/03 RFO
138	21	7.84	184	3	DNT		003	+1.10	UTE	LTE				67		510UL	04/03 RFO
138	35	8.41	185	3	DNT		LTS	+17.20	UTE	LTE				72		510UL	04/03 RFO
138	41	0.67	79	P 1	NQI		UTS	+0.65	UTE	LTE				119		510UL	04/03 RFO
138	42	0.30	105	3	NQI		014	+12.81	UTE	LTE				120		510UL	04/03 RFO
138	44	0.50	79	P 1	NQI		008	-0.20	UTE	LTE				120		510UL	04/03 RFO
138	49	0.52	92	3	NQI		002	+28.09	UTE	LTE				119		510UL	04/03 RFO
138	62	0.54	117	3	NQI		006	+26.34	UTE	LTE				120		510UL	04/03 RFO
138	63	0.23	99	3	NQI		015	+17.10	UTE	LTE				119		510UL	04/03 RFO
138	67	0.43	106	3	NQI		014	+28.10	LTE	UTE				134		510UL	04/03 RFO
138	69	0.32	110	3	NQI		009	+36.29	LTE	UTE				134		510UL	04/03 RFO
		0.45	105	3	NQI		009	+37.20	LTE	UTE				134		510UL	04/03 RFO
		0.33	131	3	NQI		014	+4.47	LTE	UTE				134		510UL	04/03 RFO
		0.24	112	3	NQI		014	+4.87	LTE	UTE				134		510UL	04/03 RFO
		1.31	48	P 1	NQI		009	-0.70	LTE	UTE				134		510UL	04/03 RFO
		0.34	113	3	NQI		014	+7.32	LTE	UTE				134		510UL	04/03 RFO
		0.30	72	3	NQI		013	+18.74	LTE	UTE				134		510UL	04/03 RFO
		0.35	101	3	NQI		010	+19.71	LTE	UTE				134		510UL	04/03 RFO
		0.24	96	3	NQI		010	+14.27	LTE	UTE				134		510UL	04/03 RFO
138	70	8.25	177	P 1	DNT		008	-0.13	LTE	UTE				133		510UL	04/03 RFO
		14.87	180	3	DNT		009	+31.37	LTE	UTE				133		510UL	04/03 RFO
138	72	0.40	119	3	NQI		010	+22.68	LTE	UTE				133		510UL	04/03 RFO
138	73	0.69	97	3	NQI		010	+13.80	LTE	UTE				134		510UL	04/03 RFO
		0.41	111	3	NQI		011	+8.99	LTE	UTE				134		510UL	04/03 RFO
138	74	0.76	127	3	NQI		008	+25.16	LTE	UTE				133		510UL	04/03 RFO
		0.33	99	3	NQI		010	+15.51	LTE	UTE				133		510UL	04/03 RFO
		0.35	106	3	NQI		010	+16.59	LTE	UTE				133		510UL	04/03 RFO
139	1	0.73	92	P 1	NQI		011	-0.75	UTE	LTE				32		510UL	04/03 RFO
139	3	0.63	77	P 1	NQI		010	+0.48	UTE	LTE				67		510UL	04/03 RFO
139	4	0.47	108	P 1	NQI		010	+0.67	UTE	LTE				66		510UL	04/03 RFO
139	5	0.31	110	P 1	NQI		008	-0.35	UTE	LTE				67		510UL	04/03 RFO
139	8	0.47	98	3	NQI		013	+33.38	UTE	LTE				66		510UL	04/03 RFO
139	11	0.30	104	3	NQI		009	+28.20	UTE	LTE				67		510UL	04/03 RFO
139	20	0.37	88	3	NQI		010	+31.34	UTE	LTE				67		510UL	04/03 RFO
		0.34	98	3	NQI		011	+35.62	UTE	LTE				67		510UL	04/03 RFO
139	23	0.39	113	3	NQI		011	+23.84	UTE	LTE				66		510UL	04/03 RFO
		0.39	108	3	NQI		011	+20.38	UTE	LTE				66		510UL	04/03 RFO
139	24	92.57	187	3	DNT		LTE	+2.55	UTE	LTE				72		510UL	04/03 RFO
		17.80	176	3	DNT		LTE	+2.78	UTE	LTE				72		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		19.69	178	3	DNT		LTE	+2.97	UTE	LTE				72		510UL	04/03 RFO
		30.89	185	3	DNT		LTE	+3.21	UTE	LTE				72		510UL	04/03 RFO
		17.80	185	3	DNT		LTE	+3.71	UTE	LTE				72		510UL	04/03 RFO
		9.78	185	3	DNT		LTE	+4.89	UTE	LTE				72		510UL	04/03 RFO
139	31	0.36	85	3	NQI		013	+18.36	UTE	LTE				73		510UL	04/03 RFO
139	43	0.37	72	3	NQI		015	+4.73	UTE	LTE				119		510UL	04/03 RFO
139	53	0.25	88	3	NQI		010	+25.08	UTE	LTE				119		510UL	04/03 RFO
139	57	0.28	68	P 1	NQI		015	+0.19	UTE	LTE				119		510UL	04/03 RFO
139	58	0.29	100	3	NQI		012	+8.72	UTE	LTE				120		510UL	04/03 RFO
139	59	0.57	111	3	NQI		010	+25.16	UTE	LTE				119		510UL	04/03 RFO
		0.41	78	3	NQI		010	+23.24	UTE	LTE				119		510UL	04/03 RFO
		0.30	82	3	NQI		010	+22.12	UTE	LTE				119		510UL	04/03 RFO
		8.70	181	3	DNT		LTE	+5.15	UTE	LTE				119		510UL	04/03 RFO
139	60	0.40	111	3	NQI		010	+25.67	UTE	LTE				120		510UL	04/03 RFO
139	63	0.43	123	3	NQI		014	+19.22	UTE	LTE				119		510UL	04/03 RFO
		0.46	106	3	NQI		011	+12.98	UTE	LTE				119		510UL	04/03 RFO
		0.50	103	3	NQI		011	+10.35	UTE	LTE				119		510UL	04/03 RFO
		0.47	95	3	NQI		011	+11.64	UTE	LTE				119		510UL	04/03 RFO
139	64	0.58	96	3	NQI		012	+5.94	UTE	LTE				120		510UL	04/03 RFO
		0.73	84	P 1	NQI		008	-0.77	UTE	LTE				120		510UL	04/03 RFO
		0.57	124	3	NQI		010	+7.55	UTE	LTE				120		510UL	04/03 RFO
139	65	6.66	183	3	DNT		LTE	+7.06	LTE	UTE				134		510UL	04/03 RFO
		0.56	100	3	NQI		010	+23.00	LTE	UTE				134		510UL	04/03 RFO
139	67	0.42	103	3	NQI		013	+30.02	LTE	UTE				134		510UL	04/03 RFO
		0.39	120	3	NQI		013	+32.58	LTE	UTE				134		510UL	04/03 RFO
139	70	0.34	82	3	NQI		LTS	+4.39	LTE	UTE				133		510UL	04/03 RFO
		0.38	105	3	NQI		010	+23.97	LTE	UTE				133		510UL	04/03 RFO
		0.31	99	3	NQI		015	+9.31	LTE	UTE				133		510UL	04/03 RFO
139	71	0.94	100	3	NQI		010	+9.73	LTE	UTE				134		510UL	04/03 RFO
139	73	1.24	112	3	NQI		010	+11.66	LTE	UTE				134		510UL	04/03 RFO
		0.74	115	3	NQI		011	+3.16	LTE	UTE				134		510UL	04/03 RFO
		0.39	93	3	NQI		012	+3.90	LTE	UTE				134		510UL	04/03 RFO
		0.27	117	3	NQI		014	+9.40	LTE	UTE				134		510UL	04/03 RFO
		0.32	96	3	NQI		013	+2.65	LTE	UTE				134		510UL	04/03 RFO
140	1	0.62	59	P 1	NQI		012	-0.64	UTE	LTE				67		510UL	04/03 RFO
		0.49	106	P 1	NQI		011	-0.82	UTE	LTE				67		510UL	04/03 RFO
140	3	0.75	101	P 1	NQI		010	-0.37	UTE	LTE				67		510UL	04/03 RFO
140	5	0.45	87	P 1	NQI		009	-0.75	UTE	LTE				67		510UL	04/03 RFO
140	7	0.21	108	P 1	NQI		002	-0.16	UTE	LTE				67		510UL	04/03 RFO
140	13	0.39	87	P 1	NQI		009	+0.37	UTE	LTE				67		510UL	04/03 RFO
140	29	0.43	89	3	NQI		015	+43.88	UTE	LTE				73		510UL	04/03 RFO
140	34	0.34	82	P 1	NQI		009	-0.11	UTE	LTE				72		510UL	04/03 RFO
140	45	0.55	85	3	NQI		004	+6.21	UTE	LTE				119		510UL	04/03 RFO
140	55	0.50	86	P 1	NQI		008	-0.86	UTE	LTE				119		510UL	04/03 RFO
140	59	0.69	71	P 1	NQI		015	+0.52	UTE	LTE				119		510UL	04/03 RFO
140	68	0.29	98	3	NQI		014	+31.42	LTE	UTE				134		510UL	04/03 RFO
140	69	18.36	184	3	DNT		LTE	+1.88	LTE	UTE				133		510UL	04/03 RFO
		0.42	130	3	NQI		008	+32.76	LTE	UTE				133		510UL	04/03 RFO
		0.56	105	3	NQI		008	+33.59	LTE	UTE				133		510UL	04/03 RFO
140	71	18.91	178	3	DNT		LTS	+1.10	LTE	UTE				134		510UL	04/03 RFO
		0.72	64	P 1	NQI		014	-0.40	LTE	UTE				134		510UL	04/03 RFO
		0.32	55	P 1	NQI		UTS	-0.63	LTE	UTE				134		510UL	04/03 RFO
141	1	1.19	82	P 1	NQI		014	-0.67	UTE	LTE				66		510UL	04/03 RFO
141	24	7.42	180	P 1	DNT		LTS	-0.45	UTE	LTE				72		510UL	04/03 RFO
		26.84	187	3	DNT		LTE	+22.09	UTE	LTE				72		510UL	04/03 RFO
		19.95	187	3	DNT		LTE	+21.02	UTE	LTE				72		510UL	04/03 RFO
		12.42	188	3	DNT		LTE	+20.64	UTE	LTE				72		510UL	04/03 RFO
		30.41	186	3	DNT		LTE	+4.13	UTE	LTE				72		510UL	04/03 RFO
		25.15	188	3	DNT		LTE	+1.81	UTE	LTE				72		510UL	04/03 RFO
		40.83	187	3	DNT		LTE	+3.01	UTE	LTE				72		510UL	04/03 RFO
		6.64	185	3	DNT		LTE	+5.22	UTE	LTE				72		510UL	04/03 RFO
		8.11	187	3	DNT		LTE	+6.63	UTE	LTE				72		510UL	04/03 RFO
		11.55	186	3	DNT		LTE	+7.10	UTE	LTE				72		510UL	04/03 RFO
		7.72	184	3	DNT		LTE	+7.37	UTE	LTE				72		510UL	04/03 RFO
		6.29	186	3	DNT		LTE	+8.46	UTE	LTE				72		510UL	04/03 RFO
		8.47	187	3	DNT		LTE	+8.87	UTE	LTE				72		510UL	04/03 RFO
		9.44	186	3	DNT		LTE	+17.71	UTE	LTE				72		510UL	04/03 RFO
		6.21	187	3	DNT		LTE	+20.16	UTE	LTE				72		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		16.31	186	3	DNT		LTE	+21.48	UTE	LTE				72		510UL	04/03 RFO
		11.65	186	3	DNT		LTE	+21.76	UTE	LTE				72		510UL	04/03 RFO
141	28	0.25	101	P 1	NQI		014	-0.11	UTE	LTE				72		510UL	04/03 RFO
		0.61	130	3	NQI		012	+25.34	UTE	LTE				72		510UL	04/03 RFO
		0.79	109	3	NQI		012	+34.51	UTE	LTE				72		510UL	04/03 RFO
		0.52	109	3	NQI		012	+28.26	UTE	LTE				72		510UL	04/03 RFO
		1.02	100	3	NQI		012	+27.31	UTE	LTE				72		510UL	04/03 RFO
141	29	0.38	99	3	NQI		009	+27.89	UTE	LTE				73		510UL	04/03 RFO
		0.47	61	3	NQI		012	+34.03	UTE	LTE				73		510UL	04/03 RFO
		0.33	59	P 1	NQI		013	+0.02	UTE	LTE				73		510UL	04/03 RFO
141	31	0.32	81	P 1	NQI		008	-0.20	UTE	LTE				73		510UL	04/03 RFO
141	46	0.51	74	3	NQI		001	+2.00	UTE	LTE				119		510UL	04/03 RFO
141	55	0.71	62	P 1	NQI		015	+0.41	UTE	LTE				120		510UL	04/03 RFO
141	58	0.39	94	3	NQI		012	+27.80	UTE	LTE				119		510UL	04/03 RFO
		0.58	102	3	NQI		012	+20.07	UTE	LTE				119		510UL	04/03 RFO
		0.34	87	3	NQI		010	+27.91	UTE	LTE				119		510UL	04/03 RFO
141	59	1.26	75	P 1	NQI		008	-0.75	UTE	LTE				120		510UL	04/03 RFO
141	62	0.53	93	3	NQI		010	+17.96 TO+33.02	LTE	UTE				134		510UL	04/03 RFO
		0.51	98	3	NQI		011	+6.95 TO+35.15	LTE	UTE				134		510UL	04/03 RFO
141	63	1.25	107	3	NQI		007	+9.90	LTE	UTE				134		510UL	04/03 RFO
141	66	0.93	120	3	NQI		007	+34.68	LTE	UTE				133		510UL	04/03 RFO
141	68	7.26	182	3	DNT		LTE	+4.31	LTE	UTE				134		510UL	04/03 RFO
		0.41	101	3	NQI		011	+8.77 TO+33.58	LTE	UTE				134		510UL	04/03 RFO
		0.54	121	3	NQI		012	+2.99 TO+32.46	LTE	UTE				134		510UL	04/03 RFO
		0.38	107	3	NQI		013	+11.06	LTE	UTE				134		510UL	04/03 RFO
		0.35	119	3	NQI		013	+12.21	LTE	UTE				134		510UL	04/03 RFO
		0.24	81	3	NQI		010	+16.39 TO+27.41	LTE	UTE				134		510UL	04/03 RFO
142	1	0.69	66	P 1	NQI		014	-0.76	UTE	LTE				66		510UL	04/03 RFO
142	7	0.46	81	3	NQI		008	+11.47	UTE	LTE				66		510UL	04/03 RFO
142	8	0.65	98	P 1	NQI		008	-0.54	UTE	LTE				66		510UL	04/03 RFO
142	9	0.36	97	3	NQI		007	+27.86	UTE	LTE				66		510UL	04/03 RFO
142	12	0.18	83	P 1	NQI		014	+0.22	UTE	LTE				66		510UL	04/03 RFO
142	26	0.60	105	3	NQI		012	+33.61	UTE	LTE				73		510UL	04/03 RFO
		0.47	53	P 1	NQI		011	-0.22	UTE	LTE				73		510UL	04/03 RFO
142	32	0.99	73	P 1	NQI		UTS	+19.34	UTE	LTE				120		510UL	04/03 RFO
142	37	0.54	77	P 1	NQI		UTS	+0.90	UTE	LTE				119		510UL	04/03 RFO
142	39	0.44	80	P 1	NQI		UTS	+1.11	UTE	LTE				119		510UL	04/03 RFO
142	40	0.33	105	3	NQI		013	+1.50	UTE	LTE				120		510UL	04/03 RFO
142	41	0.42	63	3	NQI		013	+28.80	UTE	LTE				119		510UL	04/03 RFO
142	43	0.33	113	3	NQI		013	+31.83	UTE	LTE				119		510UL	04/03 RFO
		0.30	65	P 1	NQI		015	+0.22	UTE	LTE				119		510UL	04/03 RFO
142	48	0.57	102	P 1	NQI		008	-0.84	UTE	LTE				120		510UL	04/03 RFO
142	51	0.39	82	P 1	NQI		008	+0.63	UTE	LTE				119		510UL	04/03 RFO
142	53	1.04	35	P 1	NQI		008	-0.80	UTE	LTE				119		510UL	04/03 RFO
142	54	0.62	68	P 1	NQI		015	+0.29	UTE	LTE				120		510UL	04/03 RFO
142	61	0.56	47	P 1	NQI		014	+0.54	LTE	UTE				133		510UL	04/03 RFO
142	62	0.33	102	3	NQI		010	+16.47 TO+33.65	LTE	UTE				133		510UL	04/03 RFO
		0.49	111	3	NQI		011	+12.09 TO+34.95	LTE	UTE				133		510UL	04/03 RFO
		1.24	131	3	NQI		012	+16.03 TO+34.89	LTE	UTE				133		510UL	04/03 RFO
142	63	0.34	108	3	NQI		012	+29.01	LTE	UTE				134		510UL	04/03 RFO
		0.32	112	P 1	NQI		008	+0.00	LTE	UTE				134		510UL	04/03 RFO
143	3	0.65	102	P 1	NQI		014	-0.84	UTE	LTE				66		510UL	04/03 RFO
143	8	1.11	80	P 1	NQI		008	+0.43	UTE	LTE				70		510UL	04/03 RFO
143	11	0.64	119	P 1	NQI		008	-0.80	UTE	LTE				66		510UL	04/03 RFO
143	12	0.48	93	P 1	NQI		008	-0.74	UTE	LTE				66		510UL	04/03 RFO
143	14	0.56	79	P 1	NQI		008	-0.78	UTE	LTE				66		510UL	04/03 RFO
143	15	0.81	83	P 1	NQI		008	-0.69	UTE	LTE				66		510UL	04/03 RFO
143	27	0.41	87	P 1	NQI		010	+0.43	UTE	LTE				72		510UL	04/03 RFO
		1.00	40	3	NQI		013	+16.90	UTE	LTE				72		510UL	04/03 RFO
		0.78	68	3	NQI		013	+12.37	UTE	LTE				72		510UL	04/03 RFO
143	38	0.66	105	3	NQI		003	+22.30	UTE	LTE				120		510UL	04/03 RFO
143	43	0.43	109	3	NQI		011	+27.87	UTE	LTE				119		510UL	04/03 RFO
143	49	0.48	100	3	NQI		013	+1.25	UTE	LTE				120		510UL	04/03 RFO
		20.28	186	3	DNT		002	+37.07	UTE	LTE				120		510UL	04/03 RFO
143	59	0.80	107	3	NQI		010	+9.83 TO+33.24	LTE	UTE				133		510UL	04/03 RFO
		0.70	99	3	NQI		011	+11.79 TO+36.56	LTE	UTE				133		510UL	04/03 RFO
		0.70	112	3	NQI		012	+11.43 TO+33.25	LTE	UTE				133		510UL	04/03 RFO
143	60	0.49	121	3	NQI		010	+15.50 TO+33.13	LTE	UTE				134		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.39	108	3	NQI		011	+19.96	TO+35.17	LTE	UTE			134		510UL	04/03 RFO
		26.21	180	3	DNT		LTE	+2.40		LTE	UTE			134		510UL	04/03 RFO
143	62	0.28	114	3	NQI		011	+32.48		LTE	UTE			134		510UL	04/03 RFO
		0.25	103	3	NQI		011	+33.47		LTE	UTE			134		510UL	04/03 RFO
		0.33	115	3	NQI		012	+21.79		LTE	UTE			134		510UL	04/03 RFO
		0.23	94	3	NQI		012	+23.27		LTE	UTE			134		510UL	04/03 RFO
		0.46	128	3	NQI		012	+35.25		LTE	UTE			134		510UL	04/03 RFO
144	6	0.49	85	P 1	NQI		008	-0.67		UTE	LTE			66		510UL	04/03 RFO
144	7	0.64	137	3	NQI		008	+19.15		UTE	LTE			70		510UL	04/03 RFO
144	10	0.97	109	P 1	NQI		008	-0.76		UTE	LTE			66		510UL	04/03 RFO
144	11	0.96	74	P 1	NQI		008	-0.76		UTE	LTE			70		510UL	04/03 RFO
144	13	0.36	109	3	NQI		011	+18.71		UTE	LTE			70		510UL	04/03 RFO
144	23	0.37	99	3	NQI		011	+34.98		UTE	LTE			72		510UL	04/03 RFO
144	46	0.97	102	P 1	NQI		013	+0.89		UTE	LTE			120		510UL	04/03 RFO
144	48	34.78	184	3	DNT		003	+2.16		UTE	LTE			120		510UL	04/03 RFO
144	49	1.30	74	P 1	NQI		008	-0.54		UTE	LTE			119		510UL	04/03 RFO
144	53	0.29	121	3	NQI		011	+18.53		UTE	LTE			120		510UL	04/03 RFO
		0.33	87	3	NQI		011	+15.89		UTE	LTE			120		510UL	04/03 RFO
		0.51	107	3	NQI		010	+19.18	TO+32.82	UTE	LTE			120		510UL	04/03 RFO
		8.41	187	3	DNT		LTE	+6.22		UTE	LTE			120		510UL	04/03 RFO
		12.38	187	3	DNT		LTE	+4.14		UTE	LTE			120		510UL	04/03 RFO
		0.28	55	P 1	NQI		008	+0.18		UTE	LTE			120		510UL	04/03 RFO
		0.49	116	3	NQI		014	+21.63	TO+28.01	UTE	LTE			120		510UL	04/03 RFO
		0.29	106	3	NQI		012	+18.83	TO+25.70	UTE	LTE			120		510UL	04/03 RFO
		0.45	119	3	NQI		009	+26.06	TO+38.56	UTE	LTE			120		510UL	04/03 RFO
144	55	8.10	181	3	DNT		LTE	+8.41		UTE	LTE			119		510UL	04/03 RFO
144	56	0.87	103	3	NQI		010	+11.37	TO+31.27	LTE	UTE			133		510UL	04/03 RFO
		0.55	108	3	NQI		011	+3.56	TO+33.74	LTE	UTE			133		510UL	04/03 RFO
		0.32	75	3	NQI		014	+26.41		LTE	UTE			133		510UL	04/03 RFO
		0.44	122	3	NQI		015	+6.49		LTE	UTE			133		510UL	04/03 RFO
		0.50	94	3	NQI		014	+30.20	TO+32.48	LTE	UTE			133		510UL	04/03 RFO
		0.35	106	3	NQI		012	+19.36		LTE	UTE			133		510UL	04/03 RFO
145	1	0.70	74	P 1	NQI		013	-0.77		UTE	LTE			70		510UL	04/03 RFO
145	2	0.47	110	3	NQI		010	+9.17		UTE	LTE			70		510UL	04/03 RFO
145	3	0.75	129	3	NQI		010	+5.37		UTE	LTE			66		510UL	04/03 RFO
145	8	0.31	98	P 1	NQI		015	-0.34		UTE	LTE			70		510UL	04/03 RFO
145	16	0.46	111	3	TWD	14	007	+9.85		UTE	LTE			72		510UL	04/03 RFO
		0.62	112	P 1	NQI		008	-0.69		UTE	LTE			72		510UL	04/03 RFO
145	21	0.59	97	3	NQI		010	+28.51		UTE	LTE			73		510UL	04/03 RFO
		0.44	107	3	NQI		013	+6.21		UTE	LTE			73		510UL	04/03 RFO
		0.86	87	3	NQI		012	+5.13	TO+33.80	UTE	LTE			73		510UL	04/03 RFO
		0.77	114	3	NQI		011	+32.59	TO+35.90	UTE	LTE			73		510UL	04/03 RFO
145	24	0.26	104	P 1	NQI		UTS	+3.38		UTE	LTE			73		510UL	04/03 RFO
145	25	0.43	123	3	NQI		011	+34.16		UTE	LTE			72		510UL	04/03 RFO
		0.49	112	3	TWD	12	011	+33.54		UTE	LTE			72		510UL	04/03 RFO
145	29	0.48	81	3	NQI		014	+26.65		UTE	LTE			119		510UL	04/03 RFO
145	34	0.41	96	3	NQI		010	+28.07		UTE	LTE			120		510UL	04/03 RFO
145	36	0.81	53	P 1	NQI		014	-0.36		UTE	LTE			120		510UL	04/03 RFO
145	47	0.58	75	P 1	NQI		008	+0.52		UTE	LTE			119		510UL	04/03 RFO
145	48	0.62	114	3	NQI		008	+15.45		UTE	LTE			120		510UL	04/03 RFO
145	52	0.45	122	3	NQI		013	+25.00		UTE	LTE			120		510UL	04/03 RFO
		0.43	111	3	NQI		013	+23.43		UTE	LTE			120		510UL	04/03 RFO
		0.38	121	3	NQI		013	+2.50		UTE	LTE			120		510UL	04/03 RFO
145	54	0.36	94	3	NQI		014	+18.97		UTE	LTE			119		510UL	04/03 RFO
		0.37	106	3	NQI		013	+21.82		UTE	LTE			119		510UL	04/03 RFO
		0.27	78	3	NQI		013	+20.50		UTE	LTE			119		510UL	04/03 RFO
		0.27	92	3	NQI		013	+1.43		UTE	LTE			119		510UL	04/03 RFO
		0.55	105	3	NQI		012	+21.76		UTE	LTE			119		510UL	04/03 RFO
		0.50	95	3	NQI		012	+15.19		UTE	LTE			119		510UL	04/03 RFO
		0.73	111	3	NQI		010	+32.81	TO+11.62	UTE	LTE			119		510UL	04/03 RFO
		0.46	71	P 1	NQI		013	+0.52		UTE	LTE			119		510UL	04/03 RFO
		0.61	109	3	NQI		011	+5.07	TO+31.96	UTE	LTE			119		510UL	04/03 RFO
146	1	0.53	116	3	NQI		010	+7.67		UTE	LTE			70		510UL	04/03 RFO
		0.74	138	3	NQI		010	+6.86		UTE	LTE			70		510UL	04/03 RFO
146	7	1.00	54	P 1	NQI		009	+0.48		UTE	LTE			70		510UL	04/03 RFO
		0.47	88	3	NQI		008	+9.33		UTE	LTE			70		510UL	04/03 RFO
146	8	6.75	183	3	DNT		003	+3.04		UTE	LTE			66		510UL	04/03 RFO
		22.08	2	3	DNT		003	+1.79		UTE	LTE			66		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		9.75	181	3	DNT		003	+1.60	UTE	LTE				66		510UL	04/03 RFO
		9.14	189	P 1	DNT		003	+0.50	UTE	LTE				66		510UL	04/03 RFO
		13.50	4	3	DNT		003	+2.22	UTE	LTE				66		510UL	04/03 RFO
146	12	0.56	67	3	NQI		001	+6.69	UTE	LTE				72		510UL	04/03 RFO
146	13	1.51	79	P 1	NQI		008	+0.78	UTE	LTE				73		510UL	04/03 RFO
146	14	1.45	90	P 1	NQI		008	-0.62	UTE	LTE				72		510UL	04/03 RFO
146	16	1.12	123	P 1	NQI		009	-0.80	UTE	LTE				72		510UL	04/03 RFO
146	17	0.48	54	P 1	NQI		008	-0.81	UTE	LTE				73		510UL	04/03 RFO
146	21	0.43	100	P 1	NQI		008	+0.30	UTE	LTE				72		510UL	04/03 RFO
146	22	0.47	97	3	NQI		009	+7.96	UTE	LTE				73		510UL	04/03 RFO
		0.39	90	3	NQI		008	+3.65	UTE	LTE				73		510UL	04/03 RFO
146	29	0.83	92	P 1	NQI		008	-0.80	UTE	LTE				123		510UL	04/03 RFO
146	30	0.56	124	3	NQI		008	+21.73	UTE	LTE				124		510UL	04/03 RFO
146	31	0.82	53	P 1	NQI		009	-0.58	UTE	LTE				123		510UL	04/03 RFO
146	32	0.30	87	3	NQI		013	+11.77	UTE	LTE				124		510UL	04/03 RFO
146	34	0.28	103	3	NQI		012	+35.07	UTE	LTE				124		510UL	04/03 RFO
146	39	0.35	65	P 1	NQI		015	-0.28	UTE	LTE				119		510UL	04/03 RFO
146	43	13.40	188	3	DNT		002	+34.69	UTE	LTE				120		510UL	04/03 RFO
		19.06	184	P 1	DNT		003	-0.84	UTE	LTE				120		510UL	04/03 RFO
		1.18	76	P 1	NQI		009	+0.53	UTE	LTE				120		510UL	04/03 RFO
146	45	26.98	185	3	DNT		003	+36.15	UTE	LTE				120		510UL	04/03 RFO
		11.99	187	3	DNT		003	+38.61	UTE	LTE				120		510UL	04/03 RFO
146	46	17.78	182	3	DNT		003	+3.72	UTE	LTE				119		510UL	04/03 RFO
		0.58	83	P 1	NQI		008	-0.19	UTE	LTE				119		510UL	04/03 RFO
147	4	0.42	94	3	NQI		010	+13.26	UTE	LTE	TO+29.57			66		510UL	04/03 RFO
147	5	0.30	67	3	NQI		015	+3.95	UTE	LTE				70		510UL	04/03 RFO
147	6	0.23	112	3	NQI		011	+15.28	UTE	LTE				66		510UL	04/03 RFO
147	11	0.83	102	P 1	NQI		008	+0.62	UTE	LTE				72		510UL	04/03 RFO
147	12	0.72	99	P 1	NQI		008	+0.67	UTE	LTE				73		510UL	04/03 RFO
		0.58	77	P 1	NQI		010	-0.81	UTE	LTE				73		510UL	04/03 RFO
		0.63	110	3	NQI		007	+25.43	UTE	LTE				73		510UL	04/03 RFO
147	15	0.47	58	P 1	NQI		005	+0.95	UTE	LTE				73		510UL	04/03 RFO
147	17	0.53	119	3	NQI		014	+28.15	UTE	LTE				72		510UL	04/03 RFO
147	19	1.49	53	P 1	NQI		LTS	-0.33	UTE	LTE				73		510UL	04/03 RFO
147	23	0.80	121	3	NQI		003	+37.41	UTE	LTE				120		510UL	04/03 RFO
147	27	0.45	85	P 1	NQI		009	-0.20	UTE	LTE				120		510UL	04/03 RFO
147	28	0.86	68	P 1	NQI		009	+0.46	UTE	LTE				119		510UL	04/03 RFO
147	30	0.54	90	3	NQI		009	+4.48	UTE	LTE				119		510UL	04/03 RFO
147	34	0.51	68	3	NQI		008	+7.07	UTE	LTE				119		510UL	04/03 RFO
147	38	0.35	97	3	NQI		014	+26.44	UTE	LTE				119		510UL	04/03 RFO
		0.32	91	3	NQI		014	+24.56	UTE	LTE				119		510UL	04/03 RFO
		0.32	89	3	NQI		012	+32.57	UTE	LTE				119		510UL	04/03 RFO
		0.34	109	3	NQI		012	+19.58	UTE	LTE				119		510UL	04/03 RFO
		0.47	119	3	NQI		011	+35.65	UTE	LTE				119		510UL	04/03 RFO
147	39	0.80	87	3	NQI		012	+14.26	UTE	LTE	TO+22.95			120		510UL	04/03 RFO
147	42	0.57	80	P 1	NQI		009	+0.24	UTE	LTE				119		510UL	04/03 RFO
147	44	0.66	103	3	NQI		011	+21.21	UTE	LTE	TO+34.70			120		510UL	04/03 RFO
		0.45	120	3	NQI		010	+25.66	UTE	LTE	TO+28.00			120		510UL	04/03 RFO
		0.49	60	3	NQI		005	+30.12	UTE	LTE				120		510UL	04/03 RFO
147	46	0.26	99	3	NQI		011	+34.07	UTE	LTE				119		510UL	04/03 RFO
		0.35	94	3	NQI		011	+33.61	UTE	LTE				119		510UL	04/03 RFO
		0.54	104	3	NQI		010	+33.97	UTE	LTE				119		510UL	04/03 RFO
148	4	0.58	82	P 1	NQI		014	-0.61	UTE	LTE				66		510UL	04/03 RFO
148	6	0.59	123	3	NQI		009	+31.97	UTE	LTE				66		510UL	04/03 RFO
148	10	0.35	60	P 1	NQI		008	+0.61	UTE	LTE				73		510UL	04/03 RFO
148	20	0.45	95	3	NQI		008	+11.99	UTE	LTE				123		510UL	04/03 RFO
148	21	0.69	42	3	NQI		008	+4.11	UTE	LTE	TO+9.86			124		510UL	04/03 RFO
148	27	8.46	179	3	DNT		LTE	+3.11	UTE	LTE				123		510UL	04/03 RFO
148	31	0.32	117	3	NQI		011	+25.79	UTE	LTE	TO+34.40			123		510UL	04/03 RFO
		0.65	123	3	NQI		014	+23.10	UTE	LTE	TO+29.73			123		510UL	04/03 RFO
148	39	1.37	129	3	NQI		010	+7.52	UTE	LTE				123		510UL	04/03 RFO
148	40	0.38	106	3	NQI		011	+21.38	UTE	LTE				124		510UL	04/03 RFO
		0.38	80	3	NQI		010	+7.15	UTE	LTE				124		510UL	04/03 RFO
		0.41	82	3	NQI		011	+30.29	UTE	LTE	TO+33.85			124		510UL	04/03 RFO
		0.34	116	3	NQI		012	+21.03	UTE	LTE	TO+23.38			124		510UL	04/03 RFO
148	41	0.53	97	3	NQI		012	+4.98	UTE	LTE				123		510UL	04/03 RFO
		0.32	101	3	NQI		011	+36.32	UTE	LTE				123		510UL	04/03 RFO
		0.39	105	3	NQI		011	+35.16	UTE	LTE				123		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		13.13	182	3	DNT		003	+4.13		UTE	LTE			123		510UL	04/03 RFO
		0.35	107	3	NQI		014	+22.31	TO+29.46	UTE	LTE			123		510UL	04/03 RFO
149	1	0.47	84	3	NQI		LTS	+35.48		UTE	LTE			70		510UL	04/03 RFO
149	7	0.56	114	3	NQI		011	+20.55		UTE	LTE			73		510UL	04/03 RFO
		0.40	83	3	NQI		010	+16.48		UTE	LTE			73		510UL	04/03 RFO
		0.32	94	3	NQI		011	+19.91		UTE	LTE			73		510UL	04/03 RFO
149	8	0.65	74	P 1	NQI		009	+0.56		UTE	LTE			72		510UL	04/03 RFO
149	12	0.80	83	3	NQI		008	+27.56		UTE	LTE			72		510UL	04/03 RFO
149	15	16.09	189	3	DNT		013	+2.48		UTE	LTE			72		510UL	04/03 RFO
149	16	0.81	52	P 1	NQI		010	+0.62		UTE	LTE			73		510UL	04/03 RFO
149	19	0.48	93	3	NQI		014	+31.87		UTE	LTE			123		510UL	04/03 RFO
		0.44	91	3	NQI		010	+33.48		UTE	LTE			123		510UL	04/03 RFO
		0.97	105	3	NQI		011	+21.59	TO+36.49	UTE	LTE			123		510UL	04/03 RFO
		0.30	110	3	NQI		014	+33.01		UTE	LTE			123		510UL	04/03 RFO
		0.61	110	3	NQI		012	+31.07	TO+34.43	UTE	LTE			123		510UL	04/03 RFO
149	25	1.35	54	P 1	NQI		010	+0.35		UTE	LTE			123		510UL	04/03 RFO
		1.17	117	3	NQI		010	+14.41		UTE	LTE			123		510UL	04/03 RFO
		0.78	75	P 1	NQI		010	-0.02		UTE	LTE			123		510UL	04/03 RFO
149	30	0.38	127	3	NQI		013	+1.31		UTE	LTE			123		510UL	04/03 RFO
		0.29	101	3	NQI		010	+17.25		UTE	LTE			123		510UL	04/03 RFO
150	3	0.47	102	3	NQI		015	+17.60		UTE	LTE			72		510UL	04/03 RFO
150	5	0.39	99	3	NQI		014	+31.75		UTE	LTE			72		510UL	04/03 RFO
		0.54	110	3	NQI		014	+30.63		UTE	LTE			72		510UL	04/03 RFO
		0.58	97	3	NQI		014	+33.52		UTE	LTE			72		510UL	04/03 RFO
150	6	0.37	94	3	NQI		010	+26.83		UTE	LTE			72		510UL	04/03 RFO
150	8	0.76	87	P 1	NQI		010	+0.62		UTE	LTE			72		510UL	04/03 RFO
		0.68	95	P 1	NQI		010	-0.62		UTE	LTE			72		510UL	04/03 RFO
150	9	1.23	98	P 1	NQI		010	-0.64		UTE	LTE			72		510UL	04/03 RFO
150	12	0.50	86	3	NQI		010	+24.69		UTE	LTE			72		510UL	04/03 RFO
		0.92	70	P 1	NQI		010	+0.69		UTE	LTE			72		510UL	04/03 RFO
		1.35	95	P 1	NQI		010	-0.75		UTE	LTE			72		510UL	04/03 RFO
150	14	0.76	51	P 1	NQI		010	+0.67		UTE	LTE			123		510UL	04/03 RFO
		0.84	54	P 1	NQI		006	+0.61		UTE	LTE			123		510UL	04/03 RFO
150	19	0.78	79	P 1	NQI		011	-0.30		UTE	LTE			123		510UL	04/03 RFO
150	20	0.39	96	3	NQI		011	+5.89		UTE	LTE			123		510UL	04/03 RFO
		0.56	110	3	NQI		011	+6.38		UTE	LTE			123		510UL	04/03 RFO
		0.40	117	3	NQI		013	+4.51		UTE	LTE			123		510UL	04/03 RFO
		0.60	120	3	NQI		012	+5.12		UTE	LTE			123		510UL	04/03 RFO
		0.66	117	3	NQI		010	+15.25	TO+25.98	UTE	LTE			123		510UL	04/03 RFO
150	21	0.39	117	3	NQI		013	+1.32	TO+6.80	UTE	LTE			124		510UL	04/03 RFO
		0.59	107	3	NQI		010	+17.29		UTE	LTE			124		510UL	04/03 RFO
150	22	0.50	88	3	NQI		013	+4.19		UTE	LTE			123		510UL	04/03 RFO
		0.74	121	3	NQI		013	+3.69		UTE	LTE			123		510UL	04/03 RFO
		0.46	74	3	NQI		010	+22.26		UTE	LTE			123		510UL	04/03 RFO
150	23	1.94	130	3	NQI		013	+2.71		UTE	LTE			124		510UL	04/03 RFO
		0.86	106	3	NQI		011	+5.94		UTE	LTE			124		510UL	04/03 RFO
150	27	0.50	112	3	NQI		013	+3.35		UTE	LTE			124		510UL	04/03 RFO
151	3	1.06	67	P 1	NQI		012	-0.71		UTE	LTE			72		510UL	04/03 RFO
151	4	0.61	73	P 1	NQI		006	+0.45		UTE	LTE			72		510UL	04/03 RFO
151	5	3.65	21	3	NQI		015	+37.77		UTE	LTE			72		510UL	04/03 RFO
		3.34	23	3	NQI		015	+33.82		UTE	LTE			72		510UL	04/03 RFO
		1.06	116	P 1	NQI		013	-0.71		UTE	LTE			72		510UL	04/03 RFO
		1.06	103	P 1	NQI		012	-0.73		UTE	LTE			72		510UL	04/03 RFO
151	7	0.60	56	P 1	NQI		013	-0.79		UTE	LTE			72		510UL	04/03 RFO
151	9	0.34	85	3	NQI		015	+23.08		UTE	LTE			124		510UL	04/03 RFO
		0.51	101	3	NQI		014	+24.71		UTE	LTE			124		510UL	04/03 RFO
		0.60	113	3	NQI		014	+25.91		UTE	LTE			124		510UL	04/03 RFO
		0.70	109	P 1	NQI		012	+0.61		UTE	LTE			124		510UL	04/03 RFO
		0.87	110	3	NQI		012	+27.00	TO+32.20	UTE	LTE			124		510UL	04/03 RFO
151	12	0.47	113	3	NQI		012	+4.71		UTE	LTE			123		510UL	04/03 RFO
		0.58	124	3	NQI		011	+6.09	TO+12.87	UTE	LTE			123		510UL	04/03 RFO
		0.38	122	3	NQI		013	+1.78	TO+3.91	UTE	LTE			123		510UL	04/03 RFO
151	13	0.55	101	3	NQI		014	+30.68	TO+32.85	UTE	LTE			124		510UL	04/03 RFO
		0.33	97	3	NQI		013	+3.37		UTE	LTE			124		510UL	04/03 RFO
151	14	0.70	84	P 1	NQI		014	+0.52		UTE	LTE			123		510UL	04/03 RFO
		0.81	130	3	NQI		011	+9.28		UTE	LTE			123		510UL	04/03 RFO
		0.94	111	3	NQI		014	+30.58	TO+33.94	UTE	LTE			123		510UL	04/03 RFO
		0.62	130	3	NQI		012	+5.60	TO+8.42	UTE	LTE			123		510UL	04/03 RFO

ATTACHMENT # 1 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
151	15	1.27	120	3	NQI	013	+1.63 TO+5.89	UTE	LTE					123	510UL	04/03 RFO
		0.79	109	3	NQI	013	+4.01 TO+7.03	UTE	LTE					124	510UL	04/03 RFO
		0.59	115	3	NQI	011	+8.90 TO+16.74	UTE	LTE					124	510UL	04/03 RFO
		0.54	124	3	NQI	012	+8.56	UTE	LTE					124	510UL	04/03 RFO
151	16	2.93	116	3	NQI	013	+4.09	UTE	LTE					124	510UL	04/03 RFO
		0.87	115	3	NQI	012	+4.37	UTE	LTE					124	510UL	04/03 RFO
		0.48	116	3	NQI	011	+10.92 TO+20.86	UTE	LTE					124	510UL	04/03 RFO

Total Tubes : 3789
Total Records: 5379

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
1	1	0.61	96	P	1	NQI	010	-0.24	UTE	LTE				139		510UL	04/03 RFO
1	3	0.68	133	3		NQI	010	+4.79	UTE	LTE				139		510UL	04/03 RFO
1	4	2.27	61	P	1	NQI	015	-0.44	UTE	LTE				140		510UL	04/03 RFO
1	5	0.62	47	P	1	NQI	010	-0.14	UTE	LTE				139		510UL	04/03 RFO
1	11	1.54	50	P	1	NQI	LTS	-0.44	UTE	LTE				70		510UL	04/03 RFO
1	12	0.99	119	3		NQI	011	+4.93	UTE	LTE				69		510UL	04/03 RFO
1	13	14.45	27	P	1	BLG	UTS	-0.21	UTE	LTE				70		510UL	04/03 RFO
		0.81	124	3		NQI	011	+4.74	UTE	LTE				70		510UL	04/03 RFO
1	14	14.19	27	P	1	BLG	UTS	-0.18	UTE	LTE				69		510UL	04/03 RFO
		10.36	189	P	1	BLG	015	+0.83	UTE	LTE				69		510UL	04/03 RFO
2	4	0.78	33	P	1	NQI	010	+0.26	UTE	LTE				139		510UL	04/03 RFO
2	8	2.00	78	P	1	NQI	015	-0.61	UTE	LTE				140		510UL	04/03 RFO
		0.65	125	3		NQI	009	+36.22	UTE	LTE				140		510UL	04/03 RFO
		0.39	130	3		NQI	005	+20.05	UTE	LTE				140		510UL	04/03 RFO
2	9	2.85	74	P	1	NQI	015	-0.58	UTE	LTE				139		510UL	04/03 RFO
		0.96	112	3		NQI	009	+37.63	UTE	LTE				139		510UL	04/03 RFO
2	10	4.22	68	P	1	NQI	015	-0.57	UTE	LTE				140		510UL	04/03 RFO
		0.65	101	3		NQI	009	+12.97	UTE	LTE				140		510UL	04/03 RFO
2	25	18.05	19	P	1	BLG	UTS	-0.16	UTE	LTE				69		510UL	04/03 RFO
3	4	13.17	185	3		DNT	LTE	+14.37	UTE	LTE				139		510UL	04/03 RFO
		6.11	191	3		DNT	LTE	+14.01	UTE	LTE				139		510UL	04/03 RFO
		1.27	85	P	1	NQI	010	+0.56	UTE	LTE				139		510UL	04/03 RFO
3	5	0.57	136	3		NQI	015	+16.29	UTE	LTE				140		510UL	04/03 RFO
3	6	0.61	77	P	1	NQI	010	+0.42	UTE	LTE				139		510UL	04/03 RFO
3	8	2.48	107	P	1	NQI	015	+0.73	UTE	LTE				139		510UL	04/03 RFO
		1.67	75	P	1	NQI	015	-0.89	UTE	LTE				139		510UL	04/03 RFO
3	9	10.04	205	P	1	DNT	UTS	+0.02	UTE	LTE				140		510UL	04/03 RFO
		2.75	137	P	1	NQI	010	+0.47	UTE	LTE				140		510UL	04/03 RFO
		2.75	63	P	1	NQI	015	-0.85	UTE	LTE				140		510UL	04/03 RFO
3	11	1.14	139	3		NQI	010	+1.36	UTE	LTE				140		510UL	04/03 RFO
		0.91	94	3		NQI	009	+37.59	UTE	LTE				140		510UL	04/03 RFO
3	14	0.64	112	3		NQI	010	+2.83	UTE	LTE				139		510UL	04/03 RFO
3	22	0.39	78	3		NQI	015	+18.64	UTE	LTE				70		510UL	04/03 RFO
3	28	0.65	46	P	1	NQI	013	+0.53	UTE	LTE				69		510UL	04/03 RFO
3	29	19.46	20	P	1	BLG	UTS	-0.17	UTE	LTE				70		510UL	04/03 RFO
		1.23	51	3		NQI	015	+31.78	UTE	LTE				70		510UL	04/03 RFO
3	30	10.38	28	P	1	BLG	UTS	-0.16	UTE	LTE				69		510UL	04/03 RFO
4	1	0.69	116	3		NQI	009	+38.37	UTE	LTE				108		510UL	04/03 RFO
4	2	0.40	80	P	1	NQI	011	-0.78	UTE	LTE				112		510UL	04/03 RFO
4	8	1.20	121	3		NQI	009	+36.68	UTE	LTE				139		510UL	04/03 RFO
		0.91	50	P	1	NQI	010	-0.05	UTE	LTE				139		510UL	04/03 RFO
4	9	1.21	111	3		NQI	009	+37.85	UTE	LTE				140		510UL	04/03 RFO
4	10	10.25	181	P	1	DNT	010	-0.17	UTE	LTE				139		510UL	04/03 RFO
4	11	2.12	140	3		NQI	009	+37.31	UTE	LTE				140		510UL	04/03 RFO
4	16	0.67	75	P	1	NQI	LTE	+3.64	UTE	LTE				140		510UL	04/03 RFO
4	20	1.00	49	P	1	NQI	009	-0.55	UTE	LTE				69		510UL	04/03 RFO
4	25	0.32	69	3		NQI	014	+8.93	UTE	LTE				70		510UL	04/03 RFO
4	35	0.88	61	P	1	NQI	010	+0.65	UTE	LTE				70		510UL	04/03 RFO
4	39	9.88	191	P	1	DNT	015	+0.65	UTE	LTE				69		510UL	04/03 RFO
		16.38	195	P	1	DNT	UTS	+0.11	UTE	LTE				69		510UL	04/03 RFO
4	40	18.64	15	P	1	BLG	UTS	-0.19	UTE	LTE				69		510UL	04/03 RFO
		9.04	185	P	1	DNT	015	+0.86	UTE	LTE				69		510UL	04/03 RFO
5	1	12.08	186	P	1	BLG	UTS	-0.02	UTE	LTE				108		510UL	04/03 RFO
		7.26	161	P	1	DNT	015	+0.75	UTE	LTE				108		510UL	04/03 RFO
5	2	0.49	108	3		NQI	009	+37.08	UTE	LTE				108		510UL	04/03 RFO
		10.65	22	P	1	BLG	UTS	-0.17	UTE	LTE				108		510UL	04/03 RFO
5	4	0.68	103	3		NQI	009	+36.14	UTE	LTE				108		510UL	04/03 RFO
5	5	0.38	97	3		NQI	004	+31.96	UTE	LTE				112		510UL	04/03 RFO
5	16	1.32	111	3		NQI	010	+2.08	UTE	LTE				140		510UL	04/03 RFO
5	23	0.51	92	P	1	NQI	009	+0.55	UTE	LTE				70		510UL	04/03 RFO
5	26	0.27	103	3		NQI	014	+15.87	UTE	LTE				69		510UL	04/03 RFO
5	31	0.67	60	P	1	NQI	008	-0.21	UTE	LTE				70		510UL	04/03 RFO
5	35	0.52	72	P	1	NQI	009	+0.55	UTE	LTE				70		510UL	04/03 RFO
5	38	0.85	61	P	1	NQI	008	+0.45	UTE	LTE				69		510UL	04/03 RFO
5	39	0.72	33	P	1	NQI	008	+0.61	UTE	LTE				70		510UL	04/03 RFO
5	41	14.83	25	P	1	BLG	UTS	-0.24	UTE	LTE				70		510UL	04/03 RFO
6	5	1.13	124	3		NQI	009	+37.69	UTE	LTE				108		510UL	04/03 RFO
6	6	1.48	115	3		NQI	009	+37.45	UTE	LTE				112		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
6	9	0.96	124	3	NQI	009	+36.99	UTE	LTE					112		510UL	04/03 RFO
6	10	7.64	163	P 1	DNT	010	+0.00	UTE	LTE					112		510UL	04/03 RFO
		0.49	137	3	NQI	010	+6.15	UTE	LTE					140		510UL	04/03 RFO
		0.36	121	3	NQI	010	+27.14	UTE	LTE					140		510UL	04/03 RFO
		0.75	135	3	NQI	014	+1.17	UTE	LTE					140		510UL	04/03 RFO
		0.49	86	3	NQI	014	+25.50	UTE	LTE					140		510UL	04/03 RFO
6	11	10.96	172	P 1	DNT	010	+0.07	UTE	LTE					139		510UL	04/03 RFO
6	15	0.73	90	3	NQI	009	+37.70	UTE	LTE					140		510UL	04/03 RFO
6	19	0.44	96	3	NQI	014	+28.79	UTE	LTE					140		510UL	04/03 RFO
		0.61	45	P 1	NQI	008	-0.73	UTE	LTE					140		510UL	04/03 RFO
6	20	0.55	53	P 1	NQI	010	-0.24	UTE	LTE					139		510UL	04/03 RFO
6	45	0.62	119	P 1	NQI	011	-0.78	UTE	LTE					69		510UL	04/03 RFO
6	50	7.51	37	P 1	BLG	UTS	-0.19	UTE	LTE					70		510UL	04/03 RFO
7	1	0.68	133	3	NQI	010	+3.63	UTE	LTE					108		510UL	04/03 RFO
7	5	0.39	89	3	NQI	012	+29.01	UTE	LTE					108		510UL	04/03 RFO
7	8	0.39	97	3	NQI	010	+5.39	UTE	LTE					112		510UL	04/03 RFO
7	10	0.68	49	P 1	NQI	014	-0.14	UTE	LTE					112		510UL	04/03 RFO
7	13	2.11	49	P 1	NQI	008	-0.32	UTE	LTE					140		510UL	04/03 RFO
		0.45	91	3	NQI	010	+4.77	UTE	LTE					140		510UL	04/03 RFO
		6.18	173	P 1	DNT	010	+0.60	UTE	LTE					140		510UL	04/03 RFO
7	14	6.37	169	P 1	DNT	010	+0.45	UTE	LTE					139		510UL	04/03 RFO
7	15	0.75	92	3	NQI	009	+31.14	UTE	LTE					140		510UL	04/03 RFO
		0.63	130	3	NQI	010	+2.15	UTE	LTE					140		510UL	04/03 RFO
7	44	0.46	109	P 1	NQI	011	-0.81	UTE	LTE					69		510UL	04/03 RFO
7	45	0.58	77	P 1	NQI	011	-0.76	UTE	LTE					70		510UL	04/03 RFO
7	46	0.71	115	P 1	NQI	011	-0.81	UTE	LTE					69		510UL	04/03 RFO
7	51	0.28	81	3	NQI	LTS	+35.71	UTE	LTE					70		510UL	04/03 RFO
7	53	20.27	16	P 1	BLG	UTS	-0.18	UTE	LTE					69		510UL	04/03 RFO
8	5	0.64	131	3	NQI	014	+1.16	UTE	LTE					112		510UL	04/03 RFO
		0.84	80	P 1	NQI	014	+0.80	UTE	LTE					112		510UL	04/03 RFO
8	10	1.06	51	P 1	NQI	010	-0.75	UTE	LTE					108		510UL	04/03 RFO
8	13	0.35	74	P 1	NQI	014	+0.09	UTE	LTE					139		510UL	04/03 RFO
8	18	0.68	123	3	NQI	009	+28.51	UTE	LTE					139		510UL	04/03 RFO
8	21	0.58	66	3	NQI	006	+15.42	UTE	LTE					140		510UL	04/03 RFO
8	23	0.40	73	3	NQI	014	+2.52	UTE	LTE					140		510UL	04/03 RFO
8	42	0.58	65	P 1	NQI	007	+0.76	UTE	LTE					69		510UL	04/03 RFO
8	47	0.45	101	P 1	NQI	008	+0.67	UTE	LTE					70		510UL	04/03 RFO
8	48	0.66	97	P 1	NQI	008	+0.62	UTE	LTE					69		510UL	04/03 RFO
8	56	0.29	113	3	NQI	010	+7.77	UTE	LTE					17		510UL	04/03 RFO
9	13	0.56	103	3	NQI	009	+23.82	UTE	LTE					108		510UL	04/03 RFO
9	17	0.51	127	3	DWI	011	+10.08	UTE	LTE					140		510UL	04/03 RFO
		1.63	183	3	DNT	011	+10.22	UTE	LTE					140		510UL	04/03 RFO
		0.82	110	3	NQI	011	+6.30	UTE	LTE					140		510UL	04/03 RFO
		0.76	87	3	NQI	009	+21.86	UTE	LTE	TO+31.12				140		510UL	04/03 RFO
9	19	0.48	79	3	NQI	009	+19.50	UTE	LTE	TO+30.55				140		510UL	04/03 RFO
		0.57	116	P 1	NQI	009	-0.75	UTE	LTE					140		510UL	04/03 RFO
9	23	0.57	116	P 1	NQI	009	-0.75	UTE	LTE					140		510UL	04/03 RFO
9	24	1.26	58	P 1	NQI	010	+0.45	UTE	LTE					139		510UL	04/03 RFO
9	32	1.11	81	P 1	NQI	UTS	+16.32	UTE	LTE					69		510UL	04/03 RFO
9	38	0.94	64	P 1	NQI	LTE	+4.79	UTE	LTE					69		510UL	04/03 RFO
9	55	0.76	43	P 1	NQI	008	+0.48	UTE	LTE					70		510UL	04/03 RFO
9	56	1.82	31	P 1	NQI	009	+0.47	UTE	LTE					69		510UL	04/03 RFO
9	57	0.69	73	3	NQI	002	+23.65	UTE	LTE					70		510UL	04/03 RFO
9	60	0.65	127	3	NQI	013	+3.29	UTE	LTE	TO+4.26				17		510UL	04/03 RFO
		0.77	58	P 1	NQI	015	-0.42	UTE	LTE					17		510UL	04/03 RFO
9	61	0.31	90	P 1	NQI	LTE	+20.41	UTE	LTE					17		510UL	04/03 RFO
		8.47	183	P 1	DNT	015	-0.59	UTE	LTE					17		510UL	04/03 RFO
10	2	0.67	93	P 1	NQI	011	-0.77	UTE	LTE					108		510UL	04/03 RFO
10	7	0.85	67	P 1	NQI	009	+0.35	UTE	LTE					108		510UL	04/03 RFO
10	9	1.44	67	P 1	NQI	009	-0.64	UTE	LTE					108		510UL	04/03 RFO
		0.91	94	P 1	NQI	LTE	+4.43	UTE	LTE					108		510UL	04/03 RFO
10	12	0.73	95	3	NQI	009	+15.68	UTE	LTE	TO+22.08				112		510UL	04/03 RFO
10	13	0.33	94	3	NQI	015	+10.11	UTE	LTE					108		510UL	04/03 RFO
10	14	0.31	78	3	NQI	011	+15.42	UTE	LTE					112		510UL	04/03 RFO
		0.57	128	3	NQI	009	+17.58	UTE	LTE	TO+26.96				112		510UL	04/03 RFO
10	18	0.57	106	3	NQI	009	+24.89	UTE	LTE					139		510UL	04/03 RFO
10	20	0.54	105	3	NQI	009	+27.03	UTE	LTE					139		510UL	04/03 RFO
10	21	0.85	55	P 1	NQI	009	+0.41	UTE	LTE					140		510UL	04/03 RFO
10	22	0.59	49	P 1	NQI	010	+0.38	UTE	LTE					139		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
10	24	0.29	87	P 1	NQI	009	+0.17	UTE	LTE					139		510UL	04/03 RFO
10	25	0.48	117	P 1	NQI	009	+0.57	UTE	LTE					140		510UL	04/03 RFO
10	51	0.67	73	P 1	NQI	011	-0.78	UTE	LTE					70		510UL	04/03 RFO
10	59	0.80	107	3	NQI	009	+24.87	UTE	LTE					70		510UL	04/03 RFO
11	1	0.67	114	3	NQI	009	+38.39	UTE	LTE					107		510UL	04/03 RFO
11	10	0.35	66	3	NQI	015	+30.76	UTE	LTE					107		510UL	04/03 RFO
		0.42	144	3	NQI	015	+11.95	UTE	LTE					107		510UL	04/03 RFO
11	11	0.88	61	P 1	NQI	009	-0.75	UTE	LTE					107		510UL	04/03 RFO
11	12	1.10	27	P 1	NQI	007	+0.45	UTE	LTE					107		510UL	04/03 RFO
11	20	0.80	96	3	NQI	008	+5.99	UTE	LTE					140		510UL	04/03 RFO
		0.79	67	P 1	NQI	009	+0.44	UTE	LTE					140		510UL	04/03 RFO
11	21	0.56	76	3	NQI	008	+10.09	UTE	LTE					139		510UL	04/03 RFO
11	23	0.46	61	P 1	NQI	008	+0.40	UTE	LTE					139		510UL	04/03 RFO
11	64	10.32	183	P 1	DNT	010	-0.45	UTE	LTE					17		510UL	04/03 RFO
11	65	0.85	132	3	NQI	010	-1.20	UTE	LTE					17		510UL	04/03 RFO
		2.23	59	P 1	NQI	015	-0.40	UTE	LTE					17		510UL	04/03 RFO
11	67	67.57	182	P 1	DNT	015	-0.48	UTE	LTE					17		510UL	04/03 RFO
		0.72	107	3	NQI	014	+3.25	UTE	LTE					17		510UL	04/03 RFO
11	68	50.35	182	P 1	DNT	015	-0.59	UTE	LTE					17		510UL	04/03 RFO
12	1	0.27	122	3	NQI	014	+1.35	UTE	LTE					107		510UL	04/03 RFO
12	2	9.39	195	P 1	DNT	UTS	+0.02	UTE	LTE					107		510UL	04/03 RFO
		0.78	135	3	NQI	009	+38.57	UTE	LTE					107		510UL	04/03 RFO
12	20	0.69	52	P 1	NQI	009	+0.46	UTE	LTE					140		510UL	04/03 RFO
12	28	8.76	182	3	DNT	004	+14.45	UTE	LTE					140		510UL	04/03 RFO
12	33	1.13	87	P 1	NQI	011	-0.80	UTE	LTE					139		510UL	04/03 RFO
12	58	0.86	86	P 1	NQI	009	-0.60	UTE	LTE					69		510UL	04/03 RFO
12	63	0.78	116	3	NQI	009	+24.51	UTE	LTE	TO+31.78				17		510UL	04/03 RFO
12	65	1.33	167	3	NQI	010	-1.13	UTE	LTE					17		510UL	04/03 RFO
12	66	0.47	89	3	NQI	013	+21.01	UTE	LTE					17		510UL	04/03 RFO
		0.26	98	3	NQI	012	+34.66	UTE	LTE					17		510UL	04/03 RFO
		0.44	107	3	NQI	012	+15.58	UTE	LTE					17		510UL	04/03 RFO
		0.27	106	3	NQI	012	+9.65	UTE	LTE					17		510UL	04/03 RFO
12	67	0.46	113	3	NQI	011	+16.90	UTE	LTE					17		510UL	04/03 RFO
		1.18	80	P 1	NQI	015	-0.55	UTE	LTE					17		510UL	04/03 RFO
		9.19	182	3	DNT	LTE	+8.75	UTE	LTE					17		510UL	04/03 RFO
		17.18	177	3	DNT	LTE	+9.41	UTE	LTE					17		510UL	04/03 RFO
12	68	0.65	57	P 1	NQI	009	-0.63	UTE	LTE					17		510UL	04/03 RFO
		1.14	112	3	NQI	014	+33.21	UTE	LTE					17		510UL	04/03 RFO
		0.27	76	3	NQI	014	+32.52	UTE	LTE					17		510UL	04/03 RFO
		0.32	108	3	NQI	014	+32.24	UTE	LTE					17		510UL	04/03 RFO
		20.16	182	P 1	DNT	015	-0.64	UTE	LTE					17		510UL	04/03 RFO
		24.74	180	3	DNT	LTE	+8.52	UTE	LTE					17		510UL	04/03 RFO
12	70	1.25	125	3	NQI	012	+5.26	UTE	LTE					17		510UL	04/03 RFO
		1.04	128	3	NQI	014	+2.02	UTE	LTE					17		510UL	04/03 RFO
		42.18	180	P 1	DNT	015	-0.59	UTE	LTE					17		510UL	04/03 RFO
		0.92	124	3	NQI	014	+29.76	UTE	LTE					17		510UL	04/03 RFO
12	71	48.39	181	P 1	DNT	015	-0.59	UTE	LTE					17		510UL	04/03 RFO
		0.80	128	3	NQI	012	+1.04	UTE	LTE					17		510UL	04/03 RFO
		0.87	107	3	NQI	011	+12.24	UTE	LTE					17		510UL	04/03 RFO
		0.64	81	3	NQI	011	+10.87	UTE	LTE					17		510UL	04/03 RFO
		0.46	101	3	NQI	011	+10.20	UTE	LTE					17		510UL	04/03 RFO
		0.58	124	3	NQI	012	+3.38	UTE	LTE					17		510UL	04/03 RFO
13	4	0.32	127	3	NQI	009	+38.13	UTE	LTE					107		510UL	04/03 RFO
13	5	0.69	90	P 1	NQI	010	-0.64	UTE	LTE					107		510UL	04/03 RFO
13	6	0.43	91	3	NQI	009	+11.33	UTE	LTE	TO+21.51				107		510UL	04/03 RFO
13	18	0.89	160	P 1	NQI	007	-0.62	UTE	LTE					107		510UL	04/03 RFO
13	19	1.98	159	P 1	NQI	007	-0.66	UTE	LTE					107		510UL	04/03 RFO
13	20	1.79	161	P 1	NQI	007	-0.70	UTE	LTE					107		510UL	04/03 RFO
13	35	1.20	76	P 1	NQI	011	-0.75	UTE	LTE					139		510UL	04/03 RFO
13	62	0.42	105	3	NQI	009	+11.45	UTE	LTE					84		510UL	04/03 RFO
13	63	0.45	82	3	NQI	009	+9.54	UTE	LTE	TO+27.62				79		510UL	04/03 RFO
13	65	0.78	102	3	NQI	009	+21.74	UTE	LTE	TO+31.08				17		510UL	04/03 RFO
13	68	17.46	178	3	DNT	LTE	+9.42	UTE	LTE					17		510UL	04/03 RFO
		11.07	183	3	DNT	LTE	+8.72	UTE	LTE					17		510UL	04/03 RFO
13	70	6.43	178	P 1	DNT	015	-0.67	UTE	LTE					17		510UL	04/03 RFO
		19.06	180	3	DNT	LTE	+9.11	UTE	LTE					17		510UL	04/03 RFO
		0.76	147	3	NQI	015	-1.20	UTE	LTE					17		510UL	04/03 RFO
		1.27	132	3	NQI	014	+33.31	UTE	LTE					17		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		6.45	177	P	1	DNT	015	-0.40	UTE	LTE				17		510UL	04/03 RFO
		19.13	180	3		DNT	LTE	+8.70	UTE	LTE				17		510UL	04/03 RFO
13	71	45.68	183	P	1	DNT	015	-0.58	UTE	LTE				16		510UL	04/03 RFO
		0.57	117	3		NQI	014	+31.68	UTE	LTE				16		510UL	04/03 RFO
		0.96	115	3		NQI	009	+38.51	UTE	LTE				16		510UL	04/03 RFO
		1.73	133	3		NQI	009	+37.42	UTE	LTE				16		510UL	04/03 RFO
13	72	32.90	181	P	1	DNT	015	-0.63	UTE	LTE				17		510UL	04/03 RFO
13	73	53.42	182	P	1	DNT	015	-0.58	UTE	LTE				16		510UL	04/03 RFO
		0.80	134	3		NQI	012	+4.30	UTE	LTE				16		510UL	04/03 RFO
		0.81	126	3		NQI	011	+7.74	UTE	LTE				16		510UL	04/03 RFO
13	74	47.97	183	P	1	DNT	015	-0.51	UTE	LTE				16		510UL	04/03 RFO
		0.42	123	3		NQI	014	+30.62	UTE	LTE				16		510UL	04/03 RFO
		0.38	85	3		NQI	012	+3.43	UTE	LTE				16		510UL	04/03 RFO
		0.44	107	3		TWD	16 012	+2.84	UTE	LTE				16		510UL	04/03 RFO
		0.74	118	3		NQI	011	+12.24	UTE	LTE				16		510UL	04/03 RFO
		0.57	117	3		NQI	011	+10.59	UTE	LTE				16		510UL	04/03 RFO
		0.33	88	3		NQI	011	+8.57	UTE	LTE				16		510UL	04/03 RFO
		0.83	81	P	1	NQI	010	+0.21	UTE	LTE				16		510UL	04/03 RFO
		0.31	105	3		NQI	012	+2.54	UTE	LTE				16		510UL	04/03 RFO
14	4	0.94	80	P	1	NQI	010	-0.83	UTE	LTE				107		510UL	04/03 RFO
14	25	0.33	96	3		NQI	001	+6.06	UTE	LTE				139		510UL	04/03 RFO
14	40	2.41	24	3		DWI	014	+11.17	UTE	LTE				77		510UL	04/03 RFO
		3.28	196	3		DNT	014	+11.50	UTE	LTE				77		510UL	04/03 RFO
		1.16	65	P	1	NQI	014	+0.91	UTE	LTE				77		510UL	04/03 RFO
14	55	0.50	83	P	1	NQI	011	-0.82	UTE	LTE				84		510UL	04/03 RFO
14	61	0.27	63	P	1	NQI	013	-0.26	UTE	LTE				79		510UL	04/03 RFO
14	62	6.74	183	3		DNT	LTS	+32.61	UTE	LTE				84		510UL	04/03 RFO
14	64	0.40	109	3		NQI	009	+11.88	UTE	LTE				84		510UL	04/03 RFO
14	65	0.46	78	3		NQI	009	+15.11	UTE	LTE				17		510UL	04/03 RFO
14	66	0.39	70	3		NQI	009	+22.05	UTE	LTE				16		510UL	04/03 RFO
14	68	0.86	98	3		NQI	009	+35.13	UTE	LTE				17		510UL	04/03 RFO
14	69	19.72	179	3		DNT	LTE	+9.07	UTE	LTE				16		510UL	04/03 RFO
14	70	10.16	180	P	1	DNT	010	-0.36	UTE	LTE				17		510UL	04/03 RFO
		24.57	178	3		DNT	LTE	+9.08	UTE	LTE				17		510UL	04/03 RFO
14	72	1.49	113	3		NQI	009	+38.55	UTE	LTE				17		510UL	04/03 RFO
		13.55	182	P	1	DNT	015	-0.77	UTE	LTE				17		510UL	04/03 RFO
		0.38	100	3		NQI	014	+31.04	UTE	LTE				17		510UL	04/03 RFO
14	73	40.43	182	P	1	DNT	015	-0.56	UTE	LTE				16		510UL	04/03 RFO
14	74	28.93	181	P	1	DNT	015	-0.63	UTE	LTE				17		510UL	04/03 RFO
		0.34	110	3		NQI	014	+31.11	UTE	LTE				17		510UL	04/03 RFO
14	75	23.25	181	P	1	DNT	015	-0.54	UTE	LTE				16		510UL	04/03 RFO
		0.58	117	3		NQI	010	+7.88	UTE	LTE				16		510UL	04/03 RFO
		0.60	77	P	1	NQI	010	+0.00	UTE	LTE				16		510UL	04/03 RFO
		2.09	107	3		NQI	014	+30.95	UTE	LTE				16		510UL	04/03 RFO
		0.41	76	3		NQI	010	+6.90	UTE	LTE				16		510UL	04/03 RFO
15	7	0.36	83	P	1	NQI	010	+0.11	UTE	LTE				107		510UL	04/03 RFO
15	10	0.28	95	3		NQI	001	+25.48	UTE	LTE				107		510UL	04/03 RFO
15	18	0.43	67	3		NQI	012	+9.58	UTE	LTE				107		510UL	04/03 RFO
15	24	0.38	121	3		NQI	013	+24.58	UTE	LTE				139		510UL	04/03 RFO
15	26	0.61	75	P	1	NQI	011	-0.78	UTE	LTE				139		510UL	04/03 RFO
15	39	6.17	183	3		DNT	009	+5.39	UTE	LTE				77		510UL	04/03 RFO
		9.27	179	3		DNT	006	+16.91	UTE	LTE				77		510UL	04/03 RFO
15	41	0.57	53	P	1	NQI	LTE	+12.30	UTE	LTE				77		510UL	04/03 RFO
15	46	0.18	92	3		NQI	013	+19.57	UTE	LTE				79		510UL	04/03 RFO
		0.21	80	3		NQI	013	+19.12	UTE	LTE				79		510UL	04/03 RFO
15	51	0.29	96	3		NQI	013	+9.84	UTE	LTE				84		510UL	04/03 RFO
15	64	0.43	73	P	1	NQI	009	+0.64	UTE	LTE				84		510UL	04/03 RFO
15	67	0.65	113	3		NQI	009	+11.12	UTE	LTE				17		510UL	04/03 RFO
15	68	0.81	97	3		NQI	009	+23.40	UTE	LTE				16		510UL	04/03 RFO
		0.62	81	3		NQI	009	+22.53	UTE	LTE				16		510UL	04/03 RFO
15	69	0.85	103	3		NQI	009	+22.15	UTE	LTE				17		510UL	04/03 RFO
15	71	0.76	116	3		NQI	009	+38.48	UTE	LTE				17		510UL	04/03 RFO
		0.55	105	3		NQI	009	+36.86	UTE	LTE				17		510UL	04/03 RFO
15	74	0.51	112	3		NQI	009	+37.92	UTE	LTE				16		510UL	04/03 RFO
15	77	35.44	181	P	1	DNT	015	-0.57	UTE	LTE				17		510UL	04/03 RFO
		0.51	93	3		NQI	010	+7.00	UTE	LTE				17		510UL	04/03 RFO
15	78	37.27	181	P	1	DNT	015	-0.63	UTE	LTE				16		510UL	04/03 RFO
		0.57	74	P	1	NQI	010	+0.28	UTE	LTE				16		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
16	1	3.64	67	6	ADI		014	+31.71	UTE	LTE				16		510UL	04/03 RFO
		13.52	188	P 1	DNT		UTS	+0.04	UTE	LTE				114		510UL	04/03 RFO
		9.07	171	P 1	DNT		015	+0.86	UTE	LTE				114		510UL	04/03 RFO
16	5	0.82	117	3	NQI		009	+14.96	UTE	LTE				113		510UL	04/03 RFO
16	16	0.35	96	3	NQI		014	+21.66	UTE	LTE				107		510UL	04/03 RFO
16	21	0.35	81	3	NQI		012	+27.65	UTE	LTE				107		510UL	04/03 RFO
16	31	0.49	82	3	NQI		015	+36.55	UTE	LTE				140		510UL	04/03 RFO
16	42	0.40	87	3	NQI		014	+23.82	UTE	LTE				77		510UL	04/03 RFO
		0.36	60	3	NQI		014	+19.71	UTE	LTE				77		510UL	04/03 RFO
16	61	0.16	82	3	NQI		013	+12.40	UTE	LTE				79		510UL	04/03 RFO
16	68	0.37	57	P 1	NQI		009	-0.28	UTE	LTE				17		510UL	04/03 RFO
16	71	2.41	88	6	ADI		009	+25.63	UTE	LTE				16		510UL	04/03 RFO
16	72	0.86	104	3	NQI		009	+23.01	UTE	LTE	TO+33.08			17		510UL	04/03 RFO
16	73	0.64	94	3	NQI		009	+28.83	UTE	LTE				16		510UL	04/03 RFO
		0.43	47	P 1	NQI		010	+0.65	UTE	LTE				16		510UL	04/03 RFO
16	75	0.49	74	3	NQI		009	+35.55	UTE	LTE				16		510UL	04/03 RFO
16	78	31.83	180	P 1	DNT		015	-0.69	UTE	LTE				17		510UL	04/03 RFO
		0.53	118	3	NQI		010	+5.12	UTE	LTE				17		510UL	04/03 RFO
16	79	26.23	180	P 1	DNT		015	-0.61	UTE	LTE				16		510UL	04/03 RFO
		0.47	108	3	NQI		014	+32.78	UTE	LTE				16		510UL	04/03 RFO
16	80	35.02	180	P 1	DNT		015	-0.61	UTE	LTE				17		510UL	04/03 RFO
		0.73	109	3	NQI		010	+4.70	UTE	LTE				17		510UL	04/03 RFO
16	81	28.17	179	P 1	DNT		015	-0.58	UTE	LTE				16		510UL	04/03 RFO
		2.83	118	3	NQI		014	+32.20	UTE	LTE				16		510UL	04/03 RFO
		0.83	126	3	NQI		010	+7.26	UTE	LTE				16		510UL	04/03 RFO
17	44	0.44	68	P 1	NQI		011	-0.80	UTE	LTE				79		510UL	04/03 RFO
17	48	0.23	99	3	NQI		001	+22.93	UTE	LTE				79		510UL	04/03 RFO
17	53	0.50	92	P 1	NQI		011	-0.80	UTE	LTE				84		510UL	04/03 RFO
17	71	0.68	124	3	NQI		009	+21.79	UTE	LTE				17		510UL	04/03 RFO
17	72	0.99	61	3	NQI		009	+20.24	UTE	LTE	TO+28.11			16		510UL	04/03 RFO
17	74	2.30	111	3	NQI		009	+20.00	UTE	LTE	TO+32.10			17		510UL	04/03 RFO
		0.82	63	P 1	NQI		009	+0.81	UTE	LTE				17		510UL	04/03 RFO
17	75	0.66	79	3	NQI		009	+23.79	UTE	LTE	TO+34.09			16		510UL	04/03 RFO
		1.02	114	P 1	NQI		008	-0.65	UTE	LTE				16		510UL	04/03 RFO
17	76	0.43	104	3	NQI		009	+36.41	UTE	LTE				17		510UL	04/03 RFO
		0.61	101	3	NQI		009	+30.84	UTE	LTE				17		510UL	04/03 RFO
17	77	0.59	35	P 1	NQI		009	+0.76	UTE	LTE				16		510UL	04/03 RFO
		0.98	50	P 1	NQI		009	-0.70	UTE	LTE				16		510UL	04/03 RFO
17	78	0.39	104	3	NQI		009	+37.62	UTE	LTE				17		510UL	04/03 RFO
17	79	11.04	186	P 1	DNT		015	-0.77	UTE	LTE				16		510UL	04/03 RFO
17	80	0.60	109	3	NQI		010	+3.34	UTE	LTE				17		510UL	04/03 RFO
		0.93	119	3	NQI		010	+2.82	UTE	LTE				17		510UL	04/03 RFO
		7.23	188	P 1	DNT		015	-0.71	UTE	LTE				17		510UL	04/03 RFO
17	81	10.12	186	P 1	DNT		015	-0.68	UTE	LTE				16		510UL	04/03 RFO
17	82	12.21	183	P 1	DNT		015	-0.61	UTE	LTE				16		510UL	04/03 RFO
		0.45	99	3	NQI		010	+12.54	UTE	LTE				16		510UL	04/03 RFO
18	2	1.20	65	P 1	NQI		014	+0.47	UTE	LTE				113		510UL	04/03 RFO
18	4	0.76	94	3	NQI		009	+16.68	UTE	LTE				114		510UL	04/03 RFO
18	5	0.52	54	P 1	NQI		015	-0.38	UTE	LTE				113		510UL	04/03 RFO
		0.47	112	3	NQI		008	+32.30	UTE	LTE				113		510UL	04/03 RFO
18	16	0.53	75	3	NQI		004	+2.59	UTE	LTE				103		510UL	04/03 RFO
18	56	0.45	77	3	NQI		003	+2.48	UTE	LTE				84		510UL	04/03 RFO
18	62	1.82	75	6	ADI		009	+11.94	UTE	LTE				79		510UL	04/03 RFO
		0.31	112	3	NQI		009	+5.12	UTE	LTE				79		510UL	04/03 RFO
		1.02	113	3	NQI		009	+7.80	UTE	LTE				79		510UL	04/03 RFO
18	66	0.45	117	3	NQI		013	+24.28	UTE	LTE				79		510UL	04/03 RFO
18	71	0.56	111	P 1	NQI		008	+0.60	UTE	LTE				16		510UL	04/03 RFO
18	72	0.54	61	P 1	NQI		008	+0.44	UTE	LTE				17		510UL	04/03 RFO
18	74	0.50	107	3	NQI		009	+21.89	UTE	LTE				17		510UL	04/03 RFO
18	75	0.61	70	3	NQI		009	+14.53	UTE	LTE	TO+28.51			16		510UL	04/03 RFO
18	77	0.92	107	3	NQI		009	+20.22	UTE	LTE	TO+31.07			16		510UL	04/03 RFO
		0.76	138	P 1	NQI		008	-0.67	UTE	LTE				16		510UL	04/03 RFO
18	79	1.05	115	3	NQI		009	+23.17	UTE	LTE	TO+29.65			17		510UL	04/03 RFO
		0.49	95	P 1	NQI		010	+0.53	UTE	LTE				17		510UL	04/03 RFO
		0.65	106	P 1	NQI		010	+0.08	UTE	LTE				17		510UL	04/03 RFO
		0.44	53	P 1	NQI		007	+0.71	UTE	LTE				17		510UL	04/03 RFO
18	80	1.06	110	P 1	NQI		009	-0.70	UTE	LTE				16		510UL	04/03 RFO
18	81	0.95	110	P 1	NQI		009	-0.67	UTE	LTE				17		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	*TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
18	83	0.69	82	P 1	NQI		009	+0.55	UTE	LTE				17		510UL	04/03 RFO
		0.43	131	3	NQI		010	+9.84	UTE	LTE				17		510UL	04/03 RFO
		1.15	113	3	NQI		010	+9.08	UTE	LTE				17		510UL	04/03 RFO
		1.10	114	3	NQI		LTS	+22.46	UTE	LTE				17		510UL	04/03 RFO
18	84	0.36	107	3	NQI		010	+11.99	UTE	LTE				16		510UL	04/03 RFO
		0.78	114	3	NQI		010	+13.42	UTE	LTE				16		510UL	04/03 RFO
19	5	0.88	80	P 1	NQI		009	+0.55	UTE	LTE				113		510UL	04/03 RFO
19	11	1.16	159	P 1	NQI		007	-0.77	UTE	LTE				103		510UL	04/03 RFO
19	16	0.54	73	P 1	NQI		UTS	+13.72	UTE	LTE				102		510UL	04/03 RFO
19	19	0.83	86	P 1	NQI		011	-0.82	UTE	LTE				103		510UL	04/03 RFO
19	55	0.57	75	P 1	NQI		011	-0.80	UTE	LTE				84		510UL	04/03 RFO
19	67	0.85	51	P 1	NQI		014	+0.47	UTE	LTE				79		510UL	04/03 RFO
19	71	0.24	83	3	NQI		001	+14.55	UTE	LTE				17		510UL	04/03 RFO
		0.56	101	P 1	NQI		013	+0.78	UTE	LTE				17		510UL	04/03 RFO
19	77	0.35	67	3	NQI		009	+21.66	UTE	LTE				17		510UL	04/03 RFO
		0.62	109	P 1	NQI		008	-0.63	UTE	LTE				17		510UL	04/03 RFO
19	78	0.98	96	P 1	NQI		008	-0.69	UTE	LTE				16		510UL	04/03 RFO
19	79	0.71	101	3	NQI		009	+19.19	UTE	LTE				17		510UL	04/03 RFO
		0.80	103	P 1	NQI		008	-0.64	UTE	LTE				17		510UL	04/03 RFO
19	80	0.93	103	3	NQI		009	+23.83	UTE	LTE				16		510UL	04/03 RFO
		0.49	86	P 1	NQI		009	-0.66	UTE	LTE				16		510UL	04/03 RFO
19	81	0.61	70	3	NQI		009	+24.07	UTE	LTE				17		510UL	04/03 RFO
		0.46	113	3	NQI		010	+4.84	UTE	LTE				17		510UL	04/03 RFO
19	82	2.07	117	3	NQI		LTS	+22.19	UTE	LTE				16		510UL	04/03 RFO
		0.69	80	P 1	NQI		009	+0.66	UTE	LTE				16		510UL	04/03 RFO
		1.17	90	P 1	NQI		010	+0.49	UTE	LTE				16		510UL	04/03 RFO
19	83	1.33	65	P 1	NQI		009	+0.00	UTE	LTE				17		510UL	04/03 RFO
19	85	0.46	75	3	NQI		014	+31.15	UTE	LTE				17		510UL	04/03 RFO
		0.35	97	3	NQI		010	+34.56	UTE	LTE				17		510UL	04/03 RFO
19	86	3.36	110	P 1	NQI		015	+0.75	UTE	LTE				16		510UL	04/03 RFO
		0.43	101	3	TWD	28	014	+32.41	UTE	LTE				16		510UL	04/03 RFO
		0.81	104	3	NQI		014	+30.41	UTE	LTE				16		510UL	04/03 RFO
20	3	0.71	137	P 1	NQI		010	+0.65	UTE	LTE				114		510UL	04/03 RFO
20	16	1.30	137	3	NQI		010	+28.87	UTE	LTE				103		510UL	04/03 RFO
20	19	0.59	110	3	NQI		014	+16.35	UTE	LTE				102		510UL	04/03 RFO
20	30	0.41	90	3	NQI		011	+34.93	UTE	LTE				140		510UL	04/03 RFO
20	71	0.62	109	P 1	NQI		008	+0.51	UTE	LTE				16		510UL	04/03 RFO
20	73	0.68	60	P 1	NQI		008	+0.65	UTE	LTE				16		510UL	04/03 RFO
20	75	0.36	78	P 1	NQI		008	+0.56	UTE	LTE				16		510UL	04/03 RFO
20	77	0.85	77	P 1	NQI		008	-0.71	UTE	LTE				16		510UL	04/03 RFO
20	78	1.33	92	P 1	NQI		008	-0.61	UTE	LTE				17		510UL	04/03 RFO
		0.94	82	P 1	NQI		009	+0.60	UTE	LTE				17		510UL	04/03 RFO
20	79	0.70	92	P 1	NQI		008	-0.64	UTE	LTE				16		510UL	04/03 RFO
		0.71	50	P 1	NQI		008	+0.63	UTE	LTE				16		510UL	04/03 RFO
20	80	0.53	114	3	NQI		012	+1.17	UTE	LTE				17		510UL	04/03 RFO
		0.81	108	P 1	NQI		009	-0.67	UTE	LTE				17		510UL	04/03 RFO
20	81	0.87	63	P 1	NQI		009	+0.68	UTE	LTE				16		510UL	04/03 RFO
20	83	0.41	106	3	NQI		014	+32.10	UTE	LTE				16		510UL	04/03 RFO
		0.54	79	3	NQI		014	+30.98	UTE	LTE				16		510UL	04/03 RFO
20	84	0.54	114	3	NQI		010	+8.43	UTE	LTE				17		510UL	04/03 RFO
		0.41	83	P 1	NQI		015	+0.00	UTE	LTE				17		510UL	04/03 RFO
21	2	0.28	67	3	NQI		014	+13.59	UTE	LTE				114		510UL	04/03 RFO
21	6	0.43	84	3	NQI		006	+5.48	UTE	LTE				114		510UL	04/03 RFO
21	15	1.25	145	P 1	NQI		007	-0.86	UTE	LTE				103		510UL	04/03 RFO
21	72	1.16	78	P 1	NQI		011	-0.74	UTE	LTE				53		510UL	04/03 RFO
21	77	0.49	82	P 1	NQI		011	-0.79	UTE	LTE				16		510UL	04/03 RFO
21	78	0.65	65	P 1	NQI		009	+0.64	UTE	LTE				17		510UL	04/03 RFO
21	79	0.22	81	P 1	NQI		008	+0.23	UTE	LTE				16		510UL	04/03 RFO
21	84	0.88	93	P 1	NQI		008	-0.78	UTE	LTE				16		510UL	04/03 RFO
		0.25	90	P 1	NQI		009	+0.62	UTE	LTE				16		510UL	04/03 RFO
21	85	0.68	81	P 1	NQI		008	-0.50	UTE	LTE				17		510UL	04/03 RFO
		0.92	77	P 1	NQI		009	+0.00	UTE	LTE				17		510UL	04/03 RFO
21	87	0.82	59	P 1	NQI		009	-0.65	UTE	LTE				17		510UL	04/03 RFO
		0.74	47	P 1	NQI		009	+0.64	UTE	LTE				17		510UL	04/03 RFO
21	89	0.36	78	3	NQI		014	+31.71	UTE	LTE				16		510UL	04/03 RFO
22	20	0.28	70	3	NQI		009	+4.39	UTE	LTE				103		510UL	04/03 RFO
		0.39	105	3	NQI		008	+1.61	UTE	LTE				103		510UL	04/03 RFO
		0.39	130	3	NQI		008	+26.39	UTE	LTE				103		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
22	37	6.13	191	3	DNT		001	+6.87	UTE	LTE				140		510UL	04/03 RFO
22	70	1.52	67	P 1	NQI		011	-0.83	UTE	LTE				52		510UL	04/03 RFO
22	74	3.45	111	3	NQI		LTS	+20.98	UTE	LTE				16		510UL	04/03 RFO
22	86	0.34	97	P 1	NQI		008	-0.67	UTE	LTE				16		510UL	04/03 RFO
		0.55	67	P 1	NQI		011	-0.75	UTE	LTE				16		510UL	04/03 RFO
22	89	0.59	92	P 1	NQI		008	-0.59	UTE	LTE				17		510UL	04/03 RFO
		0.85	58	P 1	NQI		009	+0.66	UTE	LTE				17		510UL	04/03 RFO
22	90	0.30	97	P 1	NQI		015	-0.05	UTE	LTE				16		510UL	04/03 RFO
		1.05	94	P 1	NQI		009	-0.74	UTE	LTE				16		510UL	04/03 RFO
		0.94	66	P 1	NQI		009	+0.66	UTE	LTE				16		510UL	04/03 RFO
22	91	0.50	98	3	NQI		014	+31.72	UTE	LTE				17		510UL	04/03 RFO
22	93	10.03	186	P 1	DNT		015	-0.69	UTE	LTE				17		510UL	04/03 RFO
23	48	0.32	62	3	NQI		011	+25.98	UTE	LTE				52		510UL	04/03 RFO
23	65	0.56	120	3	NQI		014	+21.95	UTE	LTE				53		510UL	04/03 RFO
23	69	0.49	113	P 1	NQI		003	-0.74	UTE	LTE				53		510UL	04/03 RFO
23	76	0.26	103	3	NQI		002	+32.05	UTE	LTE				17		510UL	04/03 RFO
23	79	0.27	97	3	NQI		014	+21.01	UTE	LTE				16		510UL	04/03 RFO
23	80	0.36	64	P 1	NQI		LTE	+18.80	UTE	LTE				17		510UL	04/03 RFO
23	88	0.86	92	P 1	NQI		LTE	+2.60	UTE	LTE				17		510UL	04/03 RFO
23	90	0.20	84	P 1	NQI		015	+0.09	UTE	LTE				16		510UL	04/03 RFO
		0.46	54	P 1	NQI		009	+0.61	UTE	LTE				16		510UL	04/03 RFO
23	93	1.42	113	3	NQI		006	+1.49	UTE	LTE				17		510UL	04/03 RFO
24	17	0.25	104	3	NQI		014	+8.15	UTE	LTE				102		510UL	04/03 RFO
24	19	0.89	41	P 1	NQI		007	-0.43	UTE	LTE				103		510UL	04/03 RFO
24	37	1.00	90	P 1	NQI		014	+0.90	UTE	LTE				140		510UL	04/03 RFO
24	47	6.38	187	3	DNT		LTS	+39.25	UTE	LTE				52		510UL	04/03 RFO
24	55	0.37	82	3	NQI		LTS	+12.85	UTE	LTE				52		510UL	04/03 RFO
24	74	0.42	99	3	NQI		014	+21.94	UTE	LTE				53		510UL	04/03 RFO
24	80	0.24	109	3	NQI		012	+35.23	UTE	LTE				16		510UL	04/03 RFO
24	87	0.97	93	P 1	NQI		LTE	+3.97	UTE	LTE				17		510UL	04/03 RFO
24	93	0.60	96	P 1	NQI		010	+0.55	UTE	LTE				17		510UL	04/03 RFO
24	95	0.70	128	3	NQI		010	+7.83	UTE	LTE				17		510UL	04/03 RFO
25	3	0.59	70	P 1	NQI		009	+0.63	UTE	LTE				113		510UL	04/03 RFO
25	4	0.69	59	P 1	NQI		009	+0.64	UTE	LTE				114		510UL	04/03 RFO
25	24	0.20	94	3	NQI		011	+34.83	UTE	LTE				102		510UL	04/03 RFO
		0.26	67	3	NQI		011	+33.69	UTE	LTE				102		510UL	04/03 RFO
		0.26	122	3	NQI		007	+33.35	UTE	LTE				102		510UL	04/03 RFO
		0.28	91	3	NQI		008	+15.53	UTE	LTE				102		510UL	04/03 RFO
		0.21	118	3	NQI		011	+12.13	UTE	LTE				102		510UL	04/03 RFO
25	69	0.54	88	3	NQI		004	+8.94	UTE	LTE				53		510UL	04/03 RFO
25	87	0.33	67	3	NQI		013	+4.42	UTE	LTE				17		510UL	04/03 RFO
25	88	1.01	51	P 1	NQI		LTE	+2.28	UTE	LTE				17		510UL	04/03 RFO
25	90	0.34	101	P 1	NQI		008	-0.13	UTE	LTE				17		510UL	04/03 RFO
25	96	1.09	110	3	NQI		008	+5.67	UTE	LTE				23		510UL	04/03 RFO
		0.69	105	3	NQI		008	+2.14	UTE	LTE				23		510UL	04/03 RFO
		0.45	86	3	NQI		012	+9.14	UTE	LTE				23		510UL	04/03 RFO
25	97	0.62	124	3	NQI		010	+8.51	UTE	LTE				22		510UL	04/03 RFO
25	98	0.54	136	3	NQI		010	+4.98	UTE	LTE				23		510UL	04/03 RFO
26	2	0.69	76	P 1	NQI		011	-0.50	UTE	LTE				113		510UL	04/03 RFO
26	5	0.44	121	P 1	NQI		008	-0.60	UTE	LTE				114		510UL	04/03 RFO
26	15	0.29	57	3	NQI		001	+1.79	UTE	LTE				102		510UL	04/03 RFO
		0.34	96	3	NQI		001	+1.58	UTE	LTE				102		510UL	04/03 RFO
26	17	0.26	88	3	NQI		009	+8.40	UTE	LTE				102		510UL	04/03 RFO
		0.25	35	3	NQI		011	+18.78	UTE	LTE				102		510UL	04/03 RFO
26	22	11.92	179	3	DNT		010	+8.15	UTE	LTE				103		510UL	04/03 RFO
26	47	1.38	41	P 1	NQI		006	-0.55	UTE	LTE				144		510UL	04/03 RFO
26	49	6.19	180	3	DNT		006	+4.83	UTE	LTE				58		510UL	04/03 RFO
26	56	0.69	65	P 1	NQI		013	+0.72	UTE	LTE				57		510UL	04/03 RFO
26	67	0.29	70	3	NQI		012	+24.13	UTE	LTE				53		510UL	04/03 RFO
26	70	0.92	62	P 1	NQI		011	-0.81	UTE	LTE				52		510UL	04/03 RFO
26	74	6.00	183	3	DNT		UTS	+8.09	LTE	UTE				129		510UL	04/03 RFO
26	76	0.43	103	3	NQI		001	+36.02	LTE	UTE				134		510UL	04/03 RFO
26	77	0.28	90	3	NQI		013	+31.47	UTE	LTE				22		510UL	04/03 RFO
26	78	0.45	78	P 1	NQI		011	-0.82	UTE	LTE				23		510UL	04/03 RFO
26	87	0.75	125	3	NQI		013	+1.03	UTE	LTE				23		510UL	04/03 RFO
		0.37	86	3	NQI		LTS	+19.04	UTE	LTE				23		510UL	04/03 RFO
26	95	0.41	65	3	NQI		015	+21.19	UTE	LTE				23		510UL	04/03 RFO
		0.30	83	3	NQI		014	+33.45	UTE	LTE				23		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.36	112	3	NQI		014							23		510UL	04/03 RFO
26	96	0.70	129	3	NQI		009							22		510UL	04/03 RFO
26	98	0.61	100	3	NQI		012							22		510UL	04/03 RFO
27	1	9.82	15	P 1	DNT		015							114		510UL	04/03 RFO
		2.29	61	P 1	NQI		015							114		510UL	04/03 RFO
		1.80	129	3	NQI		011							114		510UL	04/03 RFO
		8.99	195	P 1	DNT		UTS							114		510UL	04/03 RFO
27	28	0.40	70	3	NQI		005							103		510UL	04/03 RFO
27	41	0.38	104	P 1	NQI		013							144		510UL	04/03 RFO
27	47	0.48	63	3	NQI		010							144		510UL	04/03 RFO
27	50	0.39	86	3	NQI		007							58		510UL	04/03 RFO
27	63	0.31	112	3	NQI		007							59		510UL	04/03 RFO
27	73	0.37	118	3	NQI		003							59		510UL	04/03 RFO
27	75	0.19	111	3	NQI		015							59		510UL	04/03 RFO
27	78	0.58	97	P 1	NQI		004							22		510UL	04/03 RFO
27	79	0.64	90	P 1	NQI		012							23		510UL	04/03 RFO
27	81	0.62	70	3	NQI		015							23		510UL	04/03 RFO
27	90	12.45	179	3	DNT		011							23		510UL	04/03 RFO
27	91	0.43	65	3	NQI		013							22		510UL	04/03 RFO
27	100	0.53	108	3	NQI		010							23		510UL	04/03 RFO
		0.34	95	3	NQI		010							23		510UL	04/03 RFO
		0.70	81	P 1	NQI		010							23		510UL	04/03 RFO
28	2	1.21	84	P 1	NQI		010							113		510UL	04/03 RFO
28	7	0.53	73	P 1	NQI		009							117		510UL	04/03 RFO
28	14	0.64	111	3	NQI		006							117		510UL	04/03 RFO
28	39	0.26	73	P 1	NQI		014							144		510UL	04/03 RFO
28	43	0.47	124	3	NQI		005							144		510UL	04/03 RFO
28	64	13.00	185	3	DNT		001							59		510UL	04/03 RFO
		9.91	181	3	DNT		001							59		510UL	04/03 RFO
28	76	0.26	85	3	NQI		015							59		510UL	04/03 RFO
28	98	0.41	94	3	NQI		004							22		510UL	04/03 RFO
29	1	0.61	105	3	NQI		010							121		510UL	04/03 RFO
29	2	8.54	175	P 1	DNT		010							117		510UL	04/03 RFO
		0.90	77	P 1	NQI		011							117		510UL	04/03 RFO
29	5	0.66	84	P 1	NQI		009							124		510UL	04/03 RFO
		0.61	103	3	NQI		009							124		510UL	04/03 RFO
29	6	2.32	25	3	NQI		LTS							117		510UL	04/03 RFO
29	8	0.32	68	3	NQI		003							117		510UL	04/03 RFO
29	31	0.34	84	P 1	NQI		UTS							103		510UL	04/03 RFO
29	39	0.56	65	P 1	NQI		014							144		510UL	04/03 RFO
29	44	0.76	37	3	NQI		014							144		510UL	04/03 RFO
29	49	0.44	57	3	NQI		012							144		510UL	04/03 RFO
29	67	0.29	106	3	NQI		008							134		510UL	04/03 RFO
29	72	11.62	188	3	DNT		LTS							129		510UL	04/03 RFO
		6.64	188	3	DNT		001							129		510UL	04/03 RFO
29	76	1.31	111	3	NQI		013							58		510UL	04/03 RFO
		0.54	65	3	NQI		013							58		510UL	04/03 RFO
29	82	0.69	82	P 1	NQI		011							22		510UL	04/03 RFO
29	83	1.40	129	3	NQI		LTS							23		510UL	04/03 RFO
		1.81	79	P 1	NQI		011							23		510UL	04/03 RFO
29	87	0.35	104	P 1	NQI		005							23		510UL	04/03 RFO
29	96	1.38	68	P 1	NQI		LTE							22		510UL	04/03 RFO
29	98	2.29	46	P 1	NQI		LTE							22		510UL	04/03 RFO
29	99	0.54	107	P 1	NQI		009							23		510UL	04/03 RFO
29	102	0.90	84	3	NQI		008							22		510UL	04/03 RFO
		1.15	116	3	NQI		008							22		510UL	04/03 RFO
		1.75	109	3	NQI		008							22		510UL	04/03 RFO
		1.31	127	3	NQI		008							22		510UL	04/03 RFO
		1.31	104	3	NQI		004							22		510UL	04/03 RFO
29	103	0.41	75	P 1	NQI		011							23		510UL	04/03 RFO
29	104	0.37	141	3	NQI		002							23		510UL	04/03 RFO
30	2	1.22	62	P 1	NQI		010							124		510UL	04/03 RFO
30	4	0.68	60	P 1	NQI		010							124		510UL	04/03 RFO
		0.69	54	P 1	NQI		008							124		510UL	04/03 RFO
30	6	1.12	56	P 1	NQI		008							124		510UL	04/03 RFO
30	21	0.59	110	P 1	NQI		007							103		510UL	04/03 RFO
30	26	0.29	106	3	NQI		008							102		510UL	04/03 RFO
30	30	0.70	148	3	NQI		015							102		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
30	38	0.31	131	3	NQI		003	+5.09	UTE	LTE				144		510UL	04/03 RFO
30	40	1.74	20	3	NQI		001	+23.59	UTE	LTE				144		510UL	04/03 RFO
30	51	0.45	39	P 1	NQI		004	-0.93	LTE	UTE				129		510UL	04/03 RFO
30	86	0.47	64	3	NQI		012	+12.05	UTE	LTE				23		510UL	04/03 RFO
30	103	0.71	87	P 1	NQI		008	+0.19	UTE	LTE				23		510UL	04/03 RFO
30	104	1.20	52	P 1	NQI		008	-0.51	UTE	LTE				22		510UL	04/03 RFO
31	1	9.11	181	P 1	DNT		010	+0.30	UTE	LTE				121		510UL	04/03 RFO
31	4	1.09	59	P 1	NQI		UTS	+19.03	UTE	LTE				121		510UL	04/03 RFO
		0.69	96	3	NQI		009	+25.57	UTE	LTE				121		510UL	04/03 RFO
31	6	1.02	104	3	NQI		010	+14.49	UTE	LTE				121		510UL	04/03 RFO
		0.39	77	3	NQI		009	+38.13	UTE	LTE				121		510UL	04/03 RFO
		0.49	111	3	NQI		009	+10.41	UTE	LTE				121		510UL	04/03 RFO
31	8	0.17	87	P 1	NQI		009	+0.62	UTE	LTE				121		510UL	04/03 RFO
31	20	0.37	59	3	NQI		014	+20.29	UTE	LTE				102		510UL	04/03 RFO
31	21	0.31	106	3	NQI		012	+13.68	LTE	UTE				128		510UL	04/03 RFO
31	26	0.25	75	3	NQI		008	+20.46	UTE	LTE				102		510UL	04/03 RFO
		0.30	70	3	NQI		008	+37.57	UTE	LTE				102		510UL	04/03 RFO
31	44	0.63	72	P 1	NQI		LTE	+4.81	UTE	LTE				143		510UL	04/03 RFO
31	76	0.24	95	3	NQI		011	+2.15	LTE	UTE				129		510UL	04/03 RFO
		0.91	79	P 1	NQI		011	-0.74	LTE	UTE				129		510UL	04/03 RFO
31	85	0.37	90	3	NQI		014	+11.29	UTE	LTE				22		510UL	04/03 RFO
31	103	1.51	77	P 1	NQI		LTE	+5.05	UTE	LTE				22		510UL	04/03 RFO
		0.51	77	P 1	NQI		LTE	+4.63	UTE	LTE				22		510UL	04/03 RFO
31	104	0.50	108	3	NQI		014	+1.28	UTE	LTE				23		510UL	04/03 RFO
32	3	0.56	101	3	NQI		009	+36.63	UTE	LTE				121		510UL	04/03 RFO
32	4	0.59	75	P 1	NQI		010	-0.79	UTE	LTE				124		510UL	04/03 RFO
		0.57	95	3	NQI		005	+1.91	UTE	LTE				124		510UL	04/03 RFO
32	5	1.09	75	P 1	NQI		009	+0.70	UTE	LTE				124		510UL	04/03 RFO
		0.51	89	3	NQI		009	+19.35	UTE	LTE				124		510UL	04/03 RFO
32	15	0.72	149	P 1	NQI		007	-0.75	UTE	LTE				121		510UL	04/03 RFO
32	58	0.29	61	3	NQI		010	+33.53	UTE	LTE				71		510UL	04/03 RFO
32	62	0.25	66	P 1	NQI		013	+0.00	UTE	LTE				71		510UL	04/03 RFO
32	71	3.01	16	3	NQI		004	+27.29	UTE	LTE				58		510UL	04/03 RFO
		2.19	17	3	NQI		003	+20.89	UTE	LTE				58		510UL	04/03 RFO
32	77	1.21	122	3	NQI		011	+30.01	UTE	LTE				58		510UL	04/03 RFO
32	78	0.76	133	3	NQI		015	+43.03	LTE	UTE				129		510UL	04/03 RFO
32	86	0.43	117	3	NQI		LTS	+41.70	UTE	LTE				22		510UL	04/03 RFO
32	93	6.17	179	3	DNT		013	+1.59	UTE	LTE				23		510UL	04/03 RFO
32	105	0.47	141	3	NQI		004	+32.62	UTE	LTE				23		510UL	04/03 RFO
		0.45	76	3	NQI		008	+14.42	UTE	LTE				23		510UL	04/03 RFO
32	106	0.72	72	P 1	NQI		008	-0.65	UTE	LTE				22		510UL	04/03 RFO
33	1	0.22	78	3	NQI		002	+25.61	UTE	LTE				121		510UL	04/03 RFO
		14.04	22	P 1	BLG		UTS	+0.00	UTE	LTE				121		510UL	04/03 RFO
		12.30	15	P 1	DNT		015	+0.92	UTE	LTE				121		510UL	04/03 RFO
		1.14	132	3	NQI		014	+33.19	UTE	LTE				121		510UL	04/03 RFO
33	2	0.44	100	P 1	NQI		014	+0.24	UTE	LTE				124		510UL	04/03 RFO
		0.63	125	3	NQI		009	+38.06	UTE	LTE				124		510UL	04/03 RFO
33	4	1.16	60	P 1	NQI		010	-0.58	UTE	LTE				124		510UL	04/03 RFO
33	5	0.56	124	3	NQI		009	+26.95	UTE	LTE				121		510UL	04/03 RFO
33	6	1.08	106	P 1	NQI		008	-0.31	UTE	LTE				124		510UL	04/03 RFO
		0.66	92	3	NQI		009	+13.50	UTE	LTE				124		510UL	04/03 RFO
33	30	0.94	86	P 1	NQI		013	-0.13	UTE	LTE				103		510UL	04/03 RFO
33	81	0.78	123	3	NQI		011	+28.37	UTE	LTE				65		510UL	04/03 RFO
33	99	0.45	94	P 1	NQI		008	-0.52	UTE	LTE				23		510UL	04/03 RFO
33	106	0.79	78	P 1	NQI		009	+0.57	UTE	LTE				22		510UL	04/03 RFO
33	107	1.14	78	P 1	NQI		008	-0.61	UTE	LTE				23		510UL	04/03 RFO
		0.33	95	3	NQI		005	+1.13	UTE	LTE				23		510UL	04/03 RFO
33	108	0.57	129	P 1	NQI		008	+0.58	UTE	LTE				23		510UL	04/03 RFO
34	3	1.44	76	6	ADI		010	+2.68	UTE	LTE				121		510UL	04/03 RFO
34	6	0.50	58	P 1	NQI		009	+0.72	UTE	LTE				124		510UL	04/03 RFO
		1.40	46	P 1	NQI		008	-0.45	UTE	LTE				124		510UL	04/03 RFO
34	20	1.66	75	P 1	NQI		012	+0.79	UTE	LTE				99		510UL	04/03 RFO
34	22	0.65	74	3	NQI		011	+4.83	UTE	LTE				99		510UL	04/03 RFO
34	23	0.66	75	P 1	NQI		007	-0.75	UTE	LTE				101		510UL	04/03 RFO
34	73	4.57	79	6	ADI		LTS	+21.20	UTE	LTE				71		510UL	04/03 RFO
34	77	7.19	181	3	DNT		LTS	+16.47	UTE	LTE				71		510UL	04/03 RFO
34	91	0.56	97	3	NQI		014	+1.48	UTE	LTE				23		510UL	04/03 RFO
34	106	0.81	73	P 1	NQI		008	-0.60	UTE	LTE				22		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
34	107	0.79	85	P 1	NQI		008	+0.55	UTE	LTE				23		510UL	04/03 RFO
35	2	6.37	175	P 1	DNT		010	-0.29	UTE	LTE				124		510UL	04/03 RFO
35	6	0.90	57	P 1	NQI		008	-0.49	UTE	LTE				121		510UL	04/03 RFO
35	73	0.60	65	P 1	NQI		013	-0.18	UTE	LTE				71		510UL	04/03 RFO
35	107	0.58	97	P 1	NQI		010	+0.51	UTE	LTE				22		510UL	04/03 RFO
35	108	0.73	85	P 1	NQI		008	+0.46	UTE	LTE				23		510UL	04/03 RFO
36	1	0.68	127	3	NQI		010	+9.95	UTE	LTE				121		510UL	04/03 RFO
		1.13	112	3	NQI		014	+33.21	UTE	LTE				121		510UL	04/03 RFO
36	5	7.32	185	P 1	DNT		010	-0.14	UTE	LTE				121		510UL	04/03 RFO
		29.05	180	3	DNT		LTE	+16.25	UTE	LTE				121		510UL	04/03 RFO
		0.60	142	3	NQI		010	+2.12	UTE	LTE				121		510UL	04/03 RFO
		6.79	175	3	DNT		UTS	+11.54	UTE	LTE				121		510UL	04/03 RFO
36	6	7.46	179	3	DNT		UTS	+11.44	UTE	LTE				124		510UL	04/03 RFO
		0.60	110	P 1	NQI		010	-0.79	UTE	LTE				124		510UL	04/03 RFO
		21.70	180	3	DNT		LTE	+16.39	UTE	LTE				124		510UL	04/03 RFO
36	7	0.99	58	P 1	NQI		008	-0.54	UTE	LTE				121		510UL	04/03 RFO
36	8	1.67	75	P 1	NQI		008	-0.57	UTE	LTE				124		510UL	04/03 RFO
36	74	0.29	97	3	NQI		010	+24.56	UTE	LTE				71		510UL	04/03 RFO
36	83	0.27	92	3	NQI		014	+11.42	UTE	LTE				66		510UL	04/03 RFO
36	85	0.72	56	3	NQI		006	+16.09	UTE	LTE				22		510UL	04/03 RFO
36	94	0.27	95	3	NQI		008	+31.98	UTE	LTE				23		510UL	04/03 RFO
36	109	0.52	96	P 1	NQI		009	+0.68	UTE	LTE				22		510UL	04/03 RFO
		4.64	80	6	ADI		010	+24.35	UTE	LTE				22		510UL	04/03 RFO
36	110	0.53	81	P 1	NQI		014	+0.99	UTE	LTE				23		510UL	04/03 RFO
36	112	0.24	104	3	NQI		015	+40.02	UTE	LTE				22		510UL	04/03 RFO
36	113	0.71	83	P 1	NQI		008	+0.73	UTE	LTE				23		510UL	04/03 RFO
37	11	0.52	56	P 1	NQI		009	-0.73	UTE	LTE				121		510UL	04/03 RFO
37	20	0.72	100	3	NQI		LTS	+13.11	UTE	LTE				124		510UL	04/03 RFO
37	25	0.34	106	3	NQI		010	+30.56	UTE	LTE				101		510UL	04/03 RFO
37	32	0.25	116	3	NQI		008	+24.85	UTE	LTE				99		510UL	04/03 RFO
		0.31	107	3	NQI		010	+1.54	UTE	LTE				99		510UL	04/03 RFO
37	59	6.21	184	3	DNT		006	+2.74	UTE	LTE				66		510UL	04/03 RFO
37	69	0.26	81	3	NQI		007	+18.77	UTE	LTE				66		510UL	04/03 RFO
37	79	0.31	83	3	NQI		015	+32.47	UTE	LTE				71		510UL	04/03 RFO
37	107	0.30	104	3	NQI		001	+6.18	UTE	LTE				27		510UL	04/03 RFO
37	109	1.36	95	3	NQI		012	+25.00	UTE	LTE				27		510UL	04/03 RFO
37	113	0.77	82	P 1	NQI		008	-0.74	UTE	LTE				27		510UL	04/03 RFO
37	114	0.49	72	P 1	NQI		008	-0.59	UTE	LTE				28		510UL	04/03 RFO
38	2	1.13	33	P 1	NQI		010	+0.49	UTE	LTE				124		510UL	04/03 RFO
		1.29	30	P 1	NQI		010	-0.55	UTE	LTE				124		510UL	04/03 RFO
38	5	0.26	109	3	NQI		009	+32.72	UTE	LTE				121		510UL	04/03 RFO
		1.65	46	P 1	NQI		009	+0.62	UTE	LTE				121		510UL	04/03 RFO
		0.64	48	P 1	NQI		008	+0.67	UTE	LTE				121		510UL	04/03 RFO
38	6	8.99	176	3	DNT		UTS	+11.37	UTE	LTE				124		510UL	04/03 RFO
		26.05	180	3	DNT		LTE	+16.24	UTE	LTE				124		510UL	04/03 RFO
38	8	0.74	112	P 1	NQI		008	-0.60	UTE	LTE				121		510UL	04/03 RFO
38	19	0.64	147	3	NQI		011	+4.91	UTE	LTE				124		510UL	04/03 RFO
38	24	0.30	100	3	NQI		010	+30.42	UTE	LTE				99		510UL	04/03 RFO
38	41	0.41	53	P 1	NQI		007	+0.79	UTE	LTE				99		510UL	04/03 RFO
38	46	0.34	55	3	NQI		008	+10.64	UTE	LTE				144		510UL	04/03 RFO
38	47	0.75	111	3	NQI		010	+4.86	UTE	LTE				143		510UL	04/03 RFO
38	61	0.30	99	3	NQI		015	+25.28	UTE	LTE				66		510UL	04/03 RFO
38	100	0.56	48	3	NQI		012	+33.33	UTE	LTE				27		510UL	04/03 RFO
38	112	0.44	94	3	NQI		009	+36.55	UTE	LTE				27		510UL	04/03 RFO
38	115	0.66	77	P 1	NQI		008	-0.63	UTE	LTE				28		510UL	04/03 RFO
39	7	0.42	73	P 1	NQI		013	-0.19	UTE	LTE				121		510UL	04/03 RFO
		0.41	79	3	NQI		013	+22.29	UTE	LTE				121		510UL	04/03 RFO
		0.87	80	6	ADI		009	+22.13	UTE	LTE				121		510UL	04/03 RFO
		0.31	103	3	NQI		010	+26.24	UTE	LTE				121		510UL	04/03 RFO
39	8	0.55	75	P 1	NQI		009	+0.82	UTE	LTE				124		510UL	04/03 RFO
39	10	0.73	77	P 1	NQI		008	+0.75	UTE	LTE				124		510UL	04/03 RFO
		0.53	122	P 1	NQI		008	-0.66	UTE	LTE				124		510UL	04/03 RFO
39	28	0.20	101	3	NQI		011	+2.23	UTE	LTE				101		510UL	04/03 RFO
39	56	6.75	182	3	DNT		008	+15.78	UTE	LTE				152		510UL	04/03 RFO
39	58	0.25	87	3	NQI		013	+14.71	UTE	LTE				66		510UL	04/03 RFO
39	79	0.75	90	3	NQI		006	+11.25	LTE	UTE				129		510UL	04/03 RFO
39	92	0.36	132	3	NQI		008	+17.27	UTE	LTE				27		510UL	04/03 RFO
		0.62	72	P 1	NQI		UTS	+18.08	UTE	LTE				27		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
39	115	0.44	99	P 1	NQI		LTE	+20.75	UTE	LTE				29		510UL	04/03 RFO
40	2	1.10	73	P 1	NQI		010	+0.43	UTE	LTE				121		510UL	04/03 RFO
40	4	1.49	75	P 1	NQI		009	+0.68	UTE	LTE				121		510UL	04/03 RFO
40	5	0.50	124	3	NQI		010	+2.92	UTE	LTE				124		510UL	04/03 RFO
		0.70	158	P 1	NQI		010	+0.68	UTE	LTE				124		510UL	04/03 RFO
		1.01	19	P 1	NQI		010	+0.12	UTE	LTE				124		510UL	04/03 RFO
		1.16	57	P 1	NQI		009	+0.65	UTE	LTE				124		510UL	04/03 RFO
40	6	0.60	48	P 1	NQI		010	+0.47	UTE	LTE				121		510UL	04/03 RFO
		0.84	46	P 1	NQI		009	+0.75	UTE	LTE				121		510UL	04/03 RFO
40	8	0.66	114	P 1	NQI		008	-0.64	UTE	LTE				121		510UL	04/03 RFO
40	12	0.64	65	P 1	NQI		009	-0.73	UTE	LTE				121		510UL	04/03 RFO
40	36	0.20	90	3	NQI		011	+13.41	UTE	LTE				101		510UL	04/03 RFO
40	80	2.96	115	3	NQI		015	+8.60	LTE	UTE				129		510UL	04/03 RFO
40	99	0.27	87	3	NQI		LTS	+13.75	UTE	LTE				29		510UL	04/03 RFO
40	109	0.21	63	3	DWI		014	+11.38	UTE	LTE				29		510UL	04/03 RFO
		5.24	180	3	DNT		014	+11.23	UTE	LTE				29		510UL	04/03 RFO
40	110	0.79	102	3	NQI		015	+40.80	UTE	LTE				27		510UL	04/03 RFO
		9.33	192	3	DNT		LTS	+13.20	UTE	LTE				27		510UL	04/03 RFO
		8.03	190	3	DNT		LTS	-0.87	UTE	LTE				27		510UL	04/03 RFO
		7.02	186	3	DNT		LTE	+16.38	UTE	LTE				27		510UL	04/03 RFO
		7.35	190	3	DNT		LTE	+2.70	UTE	LTE				27		510UL	04/03 RFO
40	117	0.38	139	3	NQI		015	+26.29	UTE	LTE				29		510UL	04/03 RFO
41	4	0.43	67	P 1	NQI		012	-0.37	UTE	LTE				121		510UL	04/03 RFO
41	5	0.77	70	P 1	NQI		010	+0.56	UTE	LTE				124		510UL	04/03 RFO
		0.85	174	3	NQI		009	+24.84	UTE	LTE				124		510UL	04/03 RFO
41	6	0.81	63	P 1	NQI		009	+0.53	UTE	LTE				121		510UL	04/03 RFO
41	24	0.36	119	3	NQI		015	+30.63	UTE	LTE				101		510UL	04/03 RFO
41	26	0.27	79	3	NQI		012	+34.18	UTE	LTE				101		510UL	04/03 RFO
41	45	0.44	103	3	NQI		015	+18.85	UTE	LTE				153		510UL	04/03 RFO
		0.33	104	3	NQI		008	+33.31	UTE	LTE				153		510UL	04/03 RFO
		0.25	94	3	NQI		008	+34.45	UTE	LTE				153		510UL	04/03 RFO
41	50	0.23	95	3	NQI		009	+20.60	UTE	LTE				152		510UL	04/03 RFO
41	55	0.62	112	3	NQI		003	+22.60	UTE	LTE				153		510UL	04/03 RFO
41	62	0.33	128	3	NQI		015	+18.84	UTE	LTE				71		510UL	04/03 RFO
41	63	0.34	84	3	NQI		006	+13.45	UTE	LTE				66		510UL	04/03 RFO
41	72	0.30	81	3	NQI		007	+2.79	UTE	LTE				71		510UL	04/03 RFO
41	75	0.29	92	3	NQI		009	+4.35	UTE	LTE				66		510UL	04/03 RFO
41	80	6.41	16	3	NQI		015	+40.80	LTE	UTE				129		510UL	04/03 RFO
41	97	0.54	135	3	NQI		001	+36.13	UTE	LTE				27		510UL	04/03 RFO
41	113	2.26	38	P 1	NQI		008	+0.52	UTE	LTE				27		510UL	04/03 RFO
41	114	0.48	129	3	NQI		008	+29.21	UTE	LTE				29		510UL	04/03 RFO
42	3	1.49	32	P 1	NQI		009	+0.68	UTE	LTE				121		510UL	04/03 RFO
42	4	0.41	75	P 1	NQI		010	+0.49	UTE	LTE				124		510UL	04/03 RFO
		1.08	57	P 1	NQI		009	+0.72	UTE	LTE				124		510UL	04/03 RFO
42	5	0.45	102	P 1	NQI		010	+0.54	UTE	LTE				121		510UL	04/03 RFO
		0.63	101	3	NQI		009	+20.75 TO+23.76	UTE	LTE				121		510UL	04/03 RFO
		1.24	45	P 1	NQI		009	+0.62	UTE	LTE				121		510UL	04/03 RFO
42	14	0.51	111	3	NQI		005	+32.86	UTE	LTE				121		510UL	04/03 RFO
42	30	0.25	114	3	NQI		008	+31.21	UTE	LTE				99		510UL	04/03 RFO
42	48	0.38	119	3	NQI		005	+20.07	UTE	LTE				152		510UL	04/03 RFO
42	52	0.33	80	3	NQI		015	+19.26	UTE	LTE				152		510UL	04/03 RFO
42	72	0.29	78	3	NQI		006	+29.01	UTE	LTE				66		510UL	04/03 RFO
42	109	0.25	113	3	NQI		011	+22.57	UTE	LTE				29		510UL	04/03 RFO
42	112	2.96	125	3	NQI		002	+20.85 TO+30.06	UTE	LTE				27		510UL	04/03 RFO
42	114	0.75	86	3	NQI		011	+25.92	UTE	LTE				27		510UL	04/03 RFO
		0.37	112	3	NQI		007	+12.92	UTE	LTE				27		510UL	04/03 RFO
42	116	0.32	120	3	NQI		002	+21.97	UTE	LTE				27		510UL	04/03 RFO
42	117	0.68	62	P 1	NQI		008	+0.32	UTE	LTE				29		510UL	04/03 RFO
43	2	1.43	27	P 1	NQI		010	+0.49	UTE	LTE				124		510UL	04/03 RFO
43	6	0.53	94	P 1	NQI		008	+0.58	UTE	LTE				121		510UL	04/03 RFO
43	7	1.20	62	P 1	NQI		008	+0.68	UTE	LTE				124		510UL	04/03 RFO
43	11	0.69	37	P 1	NQI		009	-0.80	UTE	LTE				124		510UL	04/03 RFO
43	21	0.64	130	3	NQI		006	+27.86	UTE	LTE				124		510UL	04/03 RFO
43	24	0.31	81	P 1	NQI		007	+0.72	UTE	LTE				99		510UL	04/03 RFO
43	35	0.28	84	3	NQI		013	+5.40	UTE	LTE				101		510UL	04/03 RFO
43	44	0.31	97	3	NQI		015	+19.30 TO+21.65	UTE	LTE				152		510UL	04/03 RFO
43	64	0.29	75	P 1	NQI		001	-0.78	LTE	UTE				129		510UL	04/03 RFO
43	79	0.67	118	3	NQI		004	+31.87	LTE	UTE				129		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
43	82	0.36	79	P	1	NQI	001	-0.77	LTE	UTE				129	510UL	04/03	RFO
43	86	0.44	70	P	1	NQI	010	+0.15	LTE	UTE				129	510UL	04/03	RFO
43	97	0.24	83	3		NQI	011	+28.48	UTE	LTE				27	510UL	04/03	RFO
43	112	0.66	105	3		NQI	012	+18.14	UTE	LTE				29	510UL	04/03	RFO
		0.45	86	3		NQI	012	+20.37	UTE	LTE				29	510UL	04/03	RFO
43	115	0.82	81	P	1	NQI	008	+0.54	UTE	LTE				27	510UL	04/03	RFO
44	4	3.76	85	P	1	NQI	014	+0.79	UTE	LTE				126	510UL	04/03	RFO
44	16	0.37	132	3		NQI	005	+25.72	UTE	LTE				126	510UL	04/03	RFO
44	23	0.39	82	P	1	TWD	16 014	+1.14	UTE	LTE				126	510UL	04/03	RFO
44	35	0.28	79	3		NQI	014	+23.23	UTE	LTE				101	510UL	04/03	RFO
44	65	7.43	180	P	1	DNT	LTS	-0.31	LTE	UTE				137	510UL	04/03	RFO
44	119	2.77	25	P	1	NQI	015	+0.99	UTE	LTE				29	510UL	04/03	RFO
45	1	0.87	147	3		NQI	015	+18.42	UTE	LTE				126	510UL	04/03	RFO
		0.70	93	P	1	NQI	014	-0.80	UTE	LTE				126	510UL	04/03	RFO
45	5	0.54	118	P	1	NQI	009	+0.66	UTE	LTE				126	510UL	04/03	RFO
45	6	0.31	118	P	1	NQI	007	-0.85	UTE	LTE				160	510UL	04/03	RFO
45	22	0.25	87	3		NQI	001	+3.93	UTE	LTE				160	510UL	04/03	RFO
45	32	0.29	120	3		NQI	009	+4.74	UTE	LTE				101	510UL	04/03	RFO
45	42	0.30	87	3		NQI	LTS	+42.40	UTE	LTE				101	510UL	04/03	RFO
		0.41	126	3		NQI	LTS	+41.83	UTE	LTE				101	510UL	04/03	RFO
45	61	0.53	104	P	1	NQI	015	+0.90	LTE	UTE				138	510UL	04/03	RFO
45	62	0.41	96	3		NQI	009	+18.12	LTE	UTE				137	510UL	04/03	RFO
45	65	7.55	180	P	1	DNT	LTS	-0.20	LTE	UTE				137	510UL	04/03	RFO
45	66	7.47	179	P	1	DNT	LTS	+0.00	LTE	UTE				138	510UL	04/03	RFO
45	71	6.02	180	P	1	DNT	LTS	+0.02	LTE	UTE				138	510UL	04/03	RFO
45	74	0.59	107	P	1	NQI	015	+0.52	LTE	UTE				137	510UL	04/03	RFO
45	88	0.30	115	3		NQI	007	+32.14	UTE	LTE				32	510UL	04/03	RFO
45	89	0.32	103	3		NQI	013	+13.17	UTE	LTE				33	510UL	04/03	RFO
45	115	0.32	99	3		NQI	015	+8.07	UTE	LTE				33	510UL	04/03	RFO
45	119	0.81	96	P	1	NQI	008	-0.61	UTE	LTE				33	510UL	04/03	RFO
46	2	1.52	94	P	1	NQI	010	+0.47	UTE	LTE				126	510UL	04/03	RFO
46	3	0.72	129	3		NQI	010	+6.27	UTE	LTE				126	510UL	04/03	RFO
		0.96	127	3		NQI	010	+5.40	UTE	LTE				126	510UL	04/03	RFO
46	4	2.19	75	P	1	NQI	010	+0.71	UTE	LTE				126	510UL	04/03	RFO
		0.72	126	3		NQI	009	+21.99	UTE	LTE				126	510UL	04/03	RFO
46	25	1.43	56	P	1	NQI	014	+0.78	UTE	LTE				127	510UL	04/03	RFO
46	26	1.46	56	P	1	NQI	014	+0.75	UTE	LTE				101	510UL	04/03	RFO
46	50	0.27	108	3		NQI	013	+7.20	UTE	LTE				153	510UL	04/03	RFO
		0.40	104	3		NQI	008	+22.46	UTE	LTE				153	510UL	04/03	RFO
46	70	6.33	177	P	1	DNT	LTS	+0.00	LTE	UTE				138	510UL	04/03	RFO
46	71	6.53	181	P	1	DNT	LTS	+0.00	LTE	UTE				138	510UL	04/03	RFO
46	72	6.88	177	P	1	DNT	LTS	+0.00	LTE	UTE				138	510UL	04/03	RFO
46	76	0.42	84	3		NQI	007	+30.38	LTE	UTE				138	510UL	04/03	RFO
46	87	0.37	80	P	1	NQI	LTE	+13.28	UTE	LTE				33	510UL	04/03	RFO
46	91	0.84	86	P	1	NQI	UTS	+21.03	UTE	LTE				33	510UL	04/03	RFO
46	95	0.85	69	P	1	NQI	014	-0.53	UTE	LTE				33	510UL	04/03	RFO
46	99	1.46	74	P	1	NQI	011	-0.76	UTE	LTE				33	510UL	04/03	RFO
46	111	0.34	93	3		NQI	001	+30.91	UTE	LTE				33	510UL	04/03	RFO
46	119	0.88	76	P	1	NQI	015	-0.55	UTE	LTE				33	510UL	04/03	RFO
47	4	1.46	74	P	1	NQI	010	+0.73	UTE	LTE				127	510UL	04/03	RFO
47	6	0.34	99	3		NQI	013	+11.54	UTE	LTE				127	510UL	04/03	RFO
47	7	0.51	112	3		NQI	003	+14.65	UTE	LTE				126	510UL	04/03	RFO
47	8	0.31	82	3		NQI	014	+5.53	UTE	LTE				127	510UL	04/03	RFO
47	24	0.33	91	3		NQI	015	+28.08	UTE	LTE				127	510UL	04/03	RFO
47	41	0.54	84	P	1	NQI	UTS	+18.06	UTE	LTE				101	510UL	04/03	RFO
47	46	0.42	98	P	1	NQI	014	+0.39	UTE	LTE				153	510UL	04/03	RFO
47	72	6.35	178	P	1	DNT	LTS	+0.07	LTE	UTE				141	510UL	04/03	RFO
47	73	6.19	180	P	1	DNT	LTS	-0.25	LTE	UTE				142	510UL	04/03	RFO
47	74	6.21	180	P	1	DNT	LTS	+0.07	LTE	UTE				141	510UL	04/03	RFO
47	75	7.15	183	P	1	DNT	LTS	-0.23	LTE	UTE				142	510UL	04/03	RFO
		0.37	91	3		NQI	008	+26.89	LTE	UTE				142	510UL	04/03	RFO
		0.39	91	3		NQI	009	+30.80	LTE	UTE				142	510UL	04/03	RFO
		0.27	98	3		NQI	010	+4.39	LTE	UTE				142	510UL	04/03	RFO
		0.44	126	3		NQI	012	+8.52	LTE	UTE				142	510UL	04/03	RFO
		0.32	104	3		NQI	012	+31.86	LTE	UTE				142	510UL	04/03	RFO
47	83	0.43	102	3		NQI	003	+22.31	LTE	UTE				142	510UL	04/03	RFO
47	85	0.34	107	3		NQI	014	+22.71	LTE	UTE				142	510UL	04/03	RFO
47	90	0.30	67	3		NQI	013	+24.35	UTE	LTE				33	510UL	04/03	RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
47	93	0.54	66	P 1	NQI		UTS	+19.07	UTE	LTE				32		510UL	04/03 RFO
		0.27	82	3	NQI		010	+13.50	UTE	LTE				32		510UL	04/03 RFO
47	103	1.02	55	P 1	NQI		012	+0.38	UTE	LTE				32		510UL	04/03 RFO
47	105	0.31	97	3	NQI		014	+2.04	UTE	LTE				32		510UL	04/03 RFO
47	114	1.76	35	P 1	NQI		UTS	+13.82	UTE	LTE				33		510UL	04/03 RFO
47	117	0.35	102	3	NQI		015	+12.50	UTE	LTE				32		510UL	04/03 RFO
		0.18	90	3	NQI		015	+19.73	UTE	LTE				32		510UL	04/03 RFO
47	122	0.85	108	3	NQI		015	+18.61	UTE	LTE				33		510UL	04/03 RFO
		0.67	113	3	NQI		010	+1.19	UTE	LTE				33		510UL	04/03 RFO
48	3	0.73	46	P 1	NQI		009	+0.62	UTE	LTE				127		510UL	04/03 RFO
48	4	0.72	104	3	NQI		009	+24.80	UTE	LTE				126		510UL	04/03 RFO
48	29	0.29	102	3	NQI		008	+23.01	UTE	LTE				101		510UL	04/03 RFO
48	30	0.60	83	P 1	NQI		UTS	+15.51	UTE	LTE				99		510UL	04/03 RFO
48	44	0.88	58	P 1	NQI		014	+0.40	UTE	LTE				99		510UL	04/03 RFO
48	48	0.21	92	3	NQI		013	+11.57	UTE	LTE				153		510UL	04/03 RFO
		0.22	103	3	NQI		013	+9.60	UTE	LTE				153		510UL	04/03 RFO
48	61	15.10	181	3	DNT		008	+16.88	LTE	UTE				142		510UL	04/03 RFO
48	63	0.28	70	P 1	NQI		014	+0.17	LTE	UTE				142		510UL	04/03 RFO
48	73	6.36	178	P 1	DNT		LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
48	74	6.86	182	P 1	DNT		LTS	-0.31	LTE	UTE				141		510UL	04/03 RFO
48	75	9.10	181	P 1	DNT		LTS	-0.23	LTE	UTE				142		510UL	04/03 RFO
48	77	0.24	60	3	NQI		011	+7.48	LTE	UTE				142		510UL	04/03 RFO
		7.51	180	P 1	DNT		LTS	+0.04	LTE	UTE				142		510UL	04/03 RFO
48	82	0.31	100	3	NQI		013	+24.76	LTE	UTE				141		510UL	04/03 RFO
		0.50	98	3	NQI		013	+26.06	LTE	UTE				141		510UL	04/03 RFO
		0.39	133	3	NQI		013	+25.56	LTE	UTE				141		510UL	04/03 RFO
48	84	0.28	71	3	NQI		LTS	+32.09	LTE	UTE				141		510UL	04/03 RFO
48	85	0.72	125	3	NQI		012	+15.90	LTE	UTE				142		510UL	04/03 RFO
48	95	0.62	78	P 1	NQI		UTS	+19.93	UTE	LTE				32		510UL	04/03 RFO
		0.27	71	3	NQI		013	+11.10	UTE	LTE				32		510UL	04/03 RFO
49	1	0.56	101	3	NQI		011	+6.44	UTE	LTE				127		510UL	04/03 RFO
49	10	0.65	98	P 1	NQI		011	-0.81	UTE	LTE				126		510UL	04/03 RFO
49	45	1.05	84	P 1	NQI		UTS	+18.55	UTE	LTE				99		510UL	04/03 RFO
49	48	0.39	118	3	NQI		015	+24.27	UTE	LTE				153		510UL	04/03 RFO
		0.38	101	3	NQI		013	+25.17	UTE	LTE				153		510UL	04/03 RFO
		0.43	106	3	NQI		011	+19.58	UTE	LTE				153		510UL	04/03 RFO
		0.33	87	3	NQI		009	+23.65	UTE	LTE				153		510UL	04/03 RFO
		0.28	101	3	NQI		010	+7.91	UTE	LTE				153		510UL	04/03 RFO
		0.34	83	3	NQI		009	+18.09	UTE	LTE				153		510UL	04/03 RFO
49	56	0.36	60	3	NQI		013	+32.33	UTE	LTE				153		510UL	04/03 RFO
49	58	7.15	181	P 1	DNT		LTS	-0.02	UTE	LTE				153		510UL	04/03 RFO
49	65	6.14	180	P 1	DNT		LTS	-0.29	LTE	UTE				142		510UL	04/03 RFO
49	73	7.85	178	P 1	DNT		LTS	-0.41	LTE	UTE				142		510UL	04/03 RFO
		0.22	83	P 1	NQI		014	-0.28	LTE	UTE				142		510UL	04/03 RFO
49	74	8.05	180	P 1	DNT		LTS	+0.05	LTE	UTE				141		510UL	04/03 RFO
49	75	10.48	177	P 1	DNT		LTS	+0.08	LTE	UTE				142		510UL	04/03 RFO
49	76	0.26	111	P 1	NQI		014	+0.36	LTE	UTE				141		510UL	04/03 RFO
		6.79	177	P 1	DNT		LTS	-0.02	LTE	UTE				141		510UL	04/03 RFO
49	77	6.67	182	P 1	DNT		LTS	-0.02	LTE	UTE				142		510UL	04/03 RFO
49	78	6.63	179	P 1	DNT		LTS	-0.33	LTE	UTE				141		510UL	04/03 RFO
49	79	6.34	179	P 1	DNT		LTS	-0.21	LTE	UTE				142		510UL	04/03 RFO
49	82	0.34	84	3	NQI		LTS	+18.76	LTE	UTE				141		510UL	04/03 RFO
49	113	1.13	74	P 1	NQI		011	+0.75	UTE	LTE				33		510UL	04/03 RFO
49	121	0.37	73	3	NQI		013	+1.38	UTE	LTE				33		510UL	04/03 RFO
49	122	0.32	97	3	NQI		013	+6.76	UTE	LTE				32		510UL	04/03 RFO
49	124	0.27	100	3	NQI		015	+9.41	UTE	LTE				33		510UL	04/03 RFO
50	3	1.32	49	P 1	NQI		009	+0.62	UTE	LTE				127		510UL	04/03 RFO
		0.67	105	3	NQI		009	+16.13	UTE	LTE				127		510UL	04/03 RFO
50	4	0.55	110	3	NQI		009	+14.44	UTE	LTE				126		510UL	04/03 RFO
50	11	0.34	80	3	NQI		008	+7.72	UTE	LTE				127		510UL	04/03 RFO
		0.32	98	3	NQI		011	+26.44	UTE	LTE				127		510UL	04/03 RFO
		0.24	81	3	NQI		011	+3.46	UTE	LTE				127		510UL	04/03 RFO
		0.29	111	3	NQI		008	+29.60	UTE	LTE				127		510UL	04/03 RFO
50	29	0.37	86	3	NQI		013	+31.16	UTE	LTE				93		510UL	04/03 RFO
50	62	0.36	114	P 1	NQI		013	+0.34	LTE	UTE				141		510UL	04/03 RFO
50	67	6.33	176	P 1	DNT		LTS	+0.34	LTE	UTE				142		510UL	04/03 RFO
50	68	6.34	176	P 1	DNT		LTS	+0.16	LTE	UTE				141		510UL	04/03 RFO
50	69	6.47	178	P 1	DNT		LTS	+0.00	LTE	UTE				142		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
50	70	9.31	179	P 1	DNT		LTS	+0.18	LTE	UTE				141		510UL	04/03 RFO
50	71	8.96	183	P 1	DNT		LTS	+0.00	LTE	UTE				142		510UL	04/03 RFO
50	72	6.39	179	P 1	DNT		LTS	+0.11	LTE	UTE				141		510UL	04/03 RFO
50	74	7.94	177	P 1	DNT		LTS	+0.00	LTE	UTE				141		510UL	04/03 RFO
50	75	9.09	180	P 1	DNT		LTS	+0.04	LTE	UTE				142		510UL	04/03 RFO
50	76	7.64	181	P 1	DNT		LTS	+0.07	LTE	UTE				141		510UL	04/03 RFO
50	77	9.72	180	P 1	DNT		LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
50	79	6.50	180	P 1	DNT		LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
50	83	1.90	134	3	NQI		005	+21.91	LTE	UTE				142		510UL	04/03 RFO
50	89	0.46	103	3	NQI		014	+24.13	UTE	LTE				32		510UL	04/03 RFO
50	107	0.44	74	3	NQI		014	+6.47	UTE	LTE				33		510UL	04/03 RFO
50	108	0.48	114	3	NQI		012	+6.70	UTE	LTE				32		510UL	04/03 RFO
51	3	0.61	96	3	NQI		009	+14.37	UTE	LTE				127		510UL	04/03 RFO
		1.05	63	P 1	NQI		009	+0.74	UTE	LTE				127		510UL	04/03 RFO
51	4	0.68	53	3	NQI		009	+15.02	UTE	LTE				126		510UL	04/03 RFO
51	6	0.42	74	3	NQI		002	+2.56	UTE	LTE				126		510UL	04/03 RFO
51	28	6.91	187	3	DNT		LTE	+11.12	UTE	LTE				93		510UL	04/03 RFO
51	47	0.37	98	3	NQI		013	+11.28	LTE	UTE				161		510UL	04/03 RFO
51	56	6.46	181	P 1	DNT		LTS	-0.08	UTE	LTE				153		510UL	04/03 RFO
51	57	9.66	180	P 1	DNT		LTS	+0.00	UTE	LTE				160		510UL	04/03 RFO
51	58	6.95	181	P 1	DNT		LTS	+0.00	UTE	LTE				160		510UL	04/03 RFO
51	59	9.33	180	P 1	DNT		LTS	+0.00	UTE	LTE				160		510UL	04/03 RFO
51	60	6.85	180	P 1	DNT		LTS	+0.00	UTE	LTE				160		510UL	04/03 RFO
51	61	7.00	179	P 1	DNT		LTS	+0.13	LTE	UTE				142		510UL	04/03 RFO
51	67	6.79	182	P 1	DNT		LTS	+0.04	LTE	UTE				142		510UL	04/03 RFO
51	68	6.30	180	P 1	DNT		LTS	-0.57	LTE	UTE				141		510UL	04/03 RFO
51	69	6.53	180	P 1	DNT		LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
		0.52	96	3	NQI		002	+12.99	LTE	UTE				142		510UL	04/03 RFO
51	70	7.05	178	P 1	DNT		LTS	+0.16	LTE	UTE				141		510UL	04/03 RFO
51	71	10.26	183	P 1	DNT		LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
51	72	9.88	179	P 1	DNT		LTS	+0.00	LTE	UTE				141		510UL	04/03 RFO
51	73	6.52	182	P 1	DNT		LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
51	74	0.32	107	3	NQI		010	+10.03	LTE	UTE				141		510UL	04/03 RFO
51	75	7.06	180	P 1	DNT		LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
51	77	6.42	179	P 1	DNT		LTS	+0.04	LTE	UTE				142		510UL	04/03 RFO
		0.28	116	3	NQI		014	+5.56	LTE	UTE				142		510UL	04/03 RFO
51	78	7.17	179	P 1	DNT		LTS	+0.00	LTE	UTE				141		510UL	04/03 RFO
51	79	9.77	181	P 1	DNT		LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
51	80	8.77	178	P 1	DNT		LTS	+0.14	LTE	UTE				141		510UL	04/03 RFO
51	81	7.60	179	P 1	DNT		LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
51	85	0.29	81	3	NQI		010	+11.40	LTE	UTE				142		510UL	04/03 RFO
51	92	0.24	78	3	NQI		007	+10.48	UTE	LTE				32		510UL	04/03 RFO
51	119	0.88	42	P 1	NQI		008	+0.42	UTE	LTE				33		510UL	04/03 RFO
51	123	8.79	34	P 1	BLG		UTS	-0.15	UTE	LTE				33		510UL	04/03 RFO
51	124	0.65	100	P 1	NQI		012	+0.51	UTE	LTE				33		510UL	04/03 RFO
		6.75	182	P 1	DNT		015	+0.62	UTE	LTE				33		510UL	04/03 RFO
		13.85	201	P 1	DNT		UTS	+0.02	UTE	LTE				33		510UL	04/03 RFO
52	4	0.61	81	3	NQI		009	+14.86	UTE	LTE				126		510UL	04/03 RFO
52	26	0.64	96	3	NQI		012	+28.50	UTE	LTE				126		510UL	04/03 RFO
52	35	0.48	73	3	NQI		LTS	+21.79	UTE	LTE				100		510UL	04/03 RFO
52	43	0.67	87	P 1	NQI		UTS	+19.48	UTE	LTE				100		510UL	04/03 RFO
52	48	0.40	103	3	TWD	22	013	+18.22	LTE	UTE				161		510UL	04/03 RFO
		0.29	83	3	NQI		013	+8.18	LTE	UTE				161		510UL	04/03 RFO
52	54	7.07	176	P 1	DNT		LTS	-0.11	LTE	UTE				161		510UL	04/03 RFO
52	55	6.61	181	P 1	DNT		LTS	-0.21	LTE	UTE				161		510UL	04/03 RFO
52	56	7.47	178	P 1	DNT		LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
52	57	11.05	180	P 1	DNT		LTS	-0.12	LTE	UTE				161		510UL	04/03 RFO
52	58	9.89	180	P 1	DNT		LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
52	59	12.29	180	P 1	DNT		LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
52	60	8.15	179	P 1	DNT		LTS	+0.07	LTE	UTE				161		510UL	04/03 RFO
52	61	8.29	180	P 1	DNT		LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
52	64	6.19	177	P 1	DNT		LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
52	67	6.07	177	P 1	DNT		LTS	+0.20	LTE	UTE				141		510UL	04/03 RFO
52	69	6.63	178	P 1	DNT		LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
52	71	17.36	182	P 1	DNT		LTS	+0.15	LTE	UTE				142		510UL	04/03 RFO
52	72	27.01	180	P 1	DNT		LTS	+0.23	LTE	UTE				141		510UL	04/03 RFO
52	73	18.08	183	P 1	DNT		LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
52	74	15.10	179	P 1	DNT		LTS	-0.42	LTE	UTE				141		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
52	75	11.69	180	P	1	DNT	LTS	+0.02	LTE	UTE				142		510UL	04/03 RFO
		0.40	120	3		NQI	011	+22.13	LTE	UTE				142		510UL	04/03 RFO
52	76	7.18	176	P	1	DNT	LTS	+0.00	LTE	UTE				141		510UL	04/03 RFO
52	79	0.24	102	3		NQI	012	+21.99	LTE	UTE				141		510UL	04/03 RFO
52	80	11.11	178	P	1	DNT	LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
52	81	7.95	180	P	1	DNT	LTS	+0.02	LTE	UTE				141		510UL	04/03 RFO
52	82	6.49	176	P	1	DNT	LTS	+0.00	LTE	UTE				142		510UL	04/03 RFO
		0.49	97	P	1	NQI	011	-0.71	LTE	UTE				142		510UL	04/03 RFO
52	108	0.54	108	P	1	NQI	014	+0.72	UTE	LTE				33		510UL	04/03 RFO
52	113	0.39	65	3		NQI	015	+44.57	UTE	LTE				32		510UL	04/03 RFO
52	121	1.30	46	P	1	NQI	010	+0.46	UTE	LTE				32		510UL	04/03 RFO
52	122	0.38	96	3		NQI	009	+10.48	UTE	LTE				33		510UL	04/03 RFO
52	125	1.53	57	P	1	NQI	LTS	-0.30	UTE	LTE				33		510UL	04/03 RFO
53	1	1.02	105	3		NQI	011	+4.12	UTE	LTE				127		510UL	04/03 RFO
		1.09	62	P	1	NQI	011	+0.52	UTE	LTE				127		510UL	04/03 RFO
53	2	0.36	92	3		NQI	012	+34.67	UTE	LTE				127		510UL	04/03 RFO
53	3	0.56	101	P	1	NQI	013	+0.77	UTE	LTE				126		510UL	04/03 RFO
53	7	0.72	53	P	1	NQI	009	-0.77	UTE	LTE				126		510UL	04/03 RFO
		0.36	70	3		NQI	013	+25.31	UTE	LTE				126		510UL	04/03 RFO
53	28	0.37	69	3		NQI	015	+32.45	UTE	LTE				93		510UL	04/03 RFO
53	34	0.44	138	3		NQI	014	+20.51	UTE	LTE				100		510UL	04/03 RFO
		0.37	127	3		NQI	014	+14.28	UTE	LTE				100		510UL	04/03 RFO
		0.40	126	3		NQI	014	+11.25	UTE	LTE				100		510UL	04/03 RFO
53	54	0.58	84	3		NQI	014	+17.60	LTE	UTE				161		510UL	04/03 RFO
53	56	11.70	179	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
53	57	11.24	178	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
53	58	9.47	180	P	1	DNT	LTS	-0.16	LTE	UTE				161		510UL	04/03 RFO
53	59	9.30	179	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
53	60	9.35	180	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
53	61	6.09	173	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
53	62	6.94	179	P	1	DNT	LTS	+0.15	LTE	UTE				142		510UL	04/03 RFO
53	64	7.27	179	P	1	DNT	LTS	+0.00	LTE	UTE				142		510UL	04/03 RFO
53	65	6.14	175	P	1	DNT	LTS	+0.20	LTE	UTE				141		510UL	04/03 RFO
53	68	9.00	183	P	1	DNT	LTS	+0.13	LTE	UTE				142		510UL	04/03 RFO
53	69	7.16	181	P	1	DNT	LTS	+0.11	LTE	UTE				141		510UL	04/03 RFO
53	70	8.61	181	P	1	DNT	LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
53	71	0.44	87	P	1	NQI	014	+0.46	LTE	UTE				141		510UL	04/03 RFO
		16.29	180	P	1	DNT	LTS	+0.11	LTE	UTE				141		510UL	04/03 RFO
53	72	11.05	180	P	1	DNT	LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
53	73	7.02	180	P	1	DNT	LTS	+0.14	LTE	UTE				141		510UL	04/03 RFO
53	74	12.23	184	P	1	DNT	LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
53	75	22.03	181	P	1	DNT	LTS	+0.11	LTE	UTE				141		510UL	04/03 RFO
53	76	17.33	182	P	1	DNT	LTS	+0.04	LTE	UTE				142		510UL	04/03 RFO
53	77	0.73	74	3		NQI	003	+25.97	LTE	UTE				141		510UL	04/03 RFO
		7.77	178	P	1	DNT	LTS	+0.00	LTE	UTE				141		510UL	04/03 RFO
53	81	7.43	176	P	1	DNT	LTS	+0.02	LTE	UTE				141		510UL	04/03 RFO
53	82	9.13	180	P	1	DNT	LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
53	83	6.44	181	P	1	DNT	LTS	+0.14	LTE	UTE				141		510UL	04/03 RFO
53	86	0.74	119	3		NQI	008	+8.16	LTE	UTE				141		510UL	04/03 RFO
53	87	0.21	102	3		NQI	010	+10.71	LTE	UTE				142		510UL	04/03 RFO
53	94	0.19	97	3		NQI	015	+37.74	UTE	LTE				37		510UL	04/03 RFO
53	101	0.63	105	P	1	NQI	UTS	+20.13	UTE	LTE				37		510UL	04/03 RFO
53	105	0.31	73	3		NQI	013	+18.92	UTE	LTE				37		510UL	04/03 RFO
54	7	0.45	77	P	1	NQI	013	+0.90	UTE	LTE				126		510UL	04/03 RFO
54	25	0.46	92	P	1	NQI	008	-0.83	UTE	LTE				126		510UL	04/03 RFO
54	41	0.44	120	3		NQI	009	+5.99	UTE	LTE				93		510UL	04/03 RFO
54	55	13.72	178	P	1	DNT	LTS	-0.07	LTE	UTE				7		510UL	04/03 RFO
54	56	16.25	179	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
54	57	16.08	178	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
54	58	10.67	174	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
54	59	9.63	176	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
54	60	8.15	172	P	1	DNT	LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
54	62	6.81	178	P	1	DNT	LTS	+0.11	LTE	UTE				141		510UL	04/03 RFO
54	63	7.63	180	P	1	DNT	LTS	+0.15	LTE	UTE				142		510UL	04/03 RFO
54	64	6.35	177	P	1	DNT	LTS	+0.11	LTE	UTE				161		510UL	04/03 RFO
		0.17	80	P	1	NQI	014	-0.35	LTE	UTE				161		510UL	04/03 RFO
54	65	7.98	181	P	1	DNT	LTS	+0.17	LTE	UTE				142		510UL	04/03 RFO
54	66	7.43	177	P	1	DNT	LTS	+0.18	LTE	UTE				141		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
54	68	7.12	179	P 1	DNT		LTS	+0.25	LTE	UTE				141		510UL	04/03 RFO
54	69	12.32	181	P 1	DNT		LTS	+0.19	LTE	UTE				142		510UL	04/03 RFO
54	70	12.55	180	P 1	DNT		LTS	+0.29	LTE	UTE				141		510UL	04/03 RFO
54	71	10.58	183	P 1	DNT		LTS	+0.17	LTE	UTE				142		510UL	04/03 RFO
54	72	6.75	177	P 1	DNT		LTS	+0.16	LTE	UTE				141		510UL	04/03 RFO
54	73	6.18	180	P 1	DNT		LTS	+0.23	LTE	UTE				141		510UL	04/03 RFO
54	74	6.84	177	P 1	DNT		LTS	+0.18	LTE	UTE				141		510UL	04/03 RFO
54	75	11.17	183	P 1	DNT		LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
54	76	28.61	181	P 1	DNT		LTS	+0.23	LTE	UTE				141		510UL	04/03 RFO
54	77	15.29	180	P 1	DNT		LTS	+0.08	LTE	UTE				142		510UL	04/03 RFO
54	78	8.07	181	P 1	DNT		LTS	+0.16	LTE	UTE				141		510UL	04/03 RFO
54	79	8.59	181	P 1	DNT		LTS	-0.02	LTE	UTE				142		510UL	04/03 RFO
54	80	10.71	179	P 1	DNT		LTS	+0.16	LTE	UTE				141		510UL	04/03 RFO
54	81	6.51	179	P 1	DNT		LTS	+0.04	LTE	UTE				142		510UL	04/03 RFO
54	83	6.06	176	P 1	DNT		LTS	+0.14	LTE	UTE				141		510UL	04/03 RFO
54	84	0.91	134	3	NQI		LTS	+28.04	LTE	UTE				161		510UL	04/03 RFO
54	93	0.36	50	3	NQI		003	+31.35	UTE	LTE				37		510UL	04/03 RFO
54	123	0.80	72	3	NQI		009	+10.89	UTE	LTE				37		510UL	04/03 RFO
55	1	0.96	125	3	NQI		011	+3.29	UTE	LTE				127		510UL	04/03 RFO
55	3	0.72	126	3	NQI		009	+26.08	UTE	LTE				126		510UL	04/03 RFO
55	4	0.37	50	3	NQI		009	+15.12	UTE	LTE				127		510UL	04/03 RFO
55	29	0.41	134	3	NQI		011	+7.17	UTE	LTE				93		510UL	04/03 RFO
		0.28	121	3	NQI		010	+5.61	UTE	LTE				93		510UL	04/03 RFO
55	45	0.34	95	3	NQI		008	+10.97	UTE	LTE				93		510UL	04/03 RFO
		0.25	106	3	NQI		007	+19.11	UTE	LTE				93		510UL	04/03 RFO
55	48	0.36	65	3	NQI		007	+10.25	LTE	UTE				7		510UL	04/03 RFO
55	54	8.83	175	P 1	DNT		LTS	-0.07	LTE	UTE				7		510UL	04/03 RFO
55	55	10.36	175	P 1	DNT		LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
55	56	11.29	176	P 1	DNT		LTS	+0.09	LTE	UTE				7		510UL	04/03 RFO
55	57	14.34	178	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
55	58	16.74	177	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
55	59	14.56	175	P 1	DNT		LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
55	60	6.77	173	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
55	65	7.31	180	P 1	DNT		LTS	+0.29	LTE	UTE				141		510UL	04/03 RFO
55	66	8.68	179	P 1	DNT		LTS	+0.11	LTE	UTE				142		510UL	04/03 RFO
55	67	6.93	180	P 1	DNT		LTS	+0.34	LTE	UTE				141		510UL	04/03 RFO
55	68	12.08	181	P 1	DNT		LTS	+0.15	LTE	UTE				142		510UL	04/03 RFO
55	69	14.46	179	P 1	DNT		LTS	+0.25	LTE	UTE				141		510UL	04/03 RFO
55	70	16.10	180	P 1	DNT		LTS	+0.15	LTE	UTE				142		510UL	04/03 RFO
55	71	10.35	181	P 1	DNT		LTS	+0.14	LTE	UTE				141		510UL	04/03 RFO
55	72	8.45	180	P 1	DNT		LTS	+0.19	LTE	UTE				142		510UL	04/03 RFO
55	73	13.86	181	P 1	DNT		LTS	+0.20	LTE	UTE				141		510UL	04/03 RFO
55	74	12.51	182	P 1	DNT		LTS	+0.13	LTE	UTE				142		510UL	04/03 RFO
55	75	19.47	180	P 1	DNT		LTS	+0.11	LTE	UTE				141		510UL	04/03 RFO
55	76	0.23	101	P 1	NQI		014	+0.24	LTE	UTE				142		510UL	04/03 RFO
		16.87	181	P 1	DNT		LTS	+0.00	LTE	UTE				142		510UL	04/03 RFO
55	77	21.46	181	P 1	DNT		LTS	+0.16	LTE	UTE				141		510UL	04/03 RFO
55	78	11.67	182	P 1	DNT		LTS	+0.06	LTE	UTE				142		510UL	04/03 RFO
55	79	2.96	87	6	ADI		015	+16.78	LTE	UTE				141		510UL	04/03 RFO
		15.36	182	P 1	DNT		LTS	+0.00	LTE	UTE				141		510UL	04/03 RFO
55	82	0.29	103	3	NQI		008	+9.46	LTE	UTE				142		510UL	04/03 RFO
55	96	0.61	88	P 1	NQI		UTS	+20.52	UTE	LTE				37		510UL	04/03 RFO
55	102	3.49	28	P 1	PVN		LTS	+0.00	UTE	LTE				37		510UL	04/03 RFO
55	108	0.24	118	3	NQI		014	+1.44	UTE	LTE				37		510UL	04/03 RFO
55	120	1.56	47	P 1	NQI		008	-0.95	UTE	LTE				36		510UL	04/03 RFO
55	123	0.26	87	3	NQI		009	+18.98	UTE	LTE				36		510UL	04/03 RFO
		0.78	86	3	NQI		009	+12.89	UTE	LTE				36		510UL	04/03 RFO
56	1	0.65	136	3	NQI		011	+5.09	UTE	LTE				130		510UL	04/03 RFO
		0.44	109	3	NQI		010	+8.52	UTE	LTE				130		510UL	04/03 RFO
56	9	0.37	34	3	NQI		015	+39.47	UTE	LTE				130		510UL	04/03 RFO
56	18	0.27	128	3	NQI		009	+33.08	UTE	LTE				131		510UL	04/03 RFO
56	21	0.33	52	3	NQI		011	+26.39	UTE	LTE				130		510UL	04/03 RFO
56	32	0.30	76	3	NQI		011	+33.78	UTE	LTE				100		510UL	04/03 RFO
56	39	0.30	96	3	NQI		012	+10.82	UTE	LTE				93		510UL	04/03 RFO
56	52	6.38	174	P 1	DNT		LTS	-0.05	LTE	UTE				7		510UL	04/03 RFO
56	53	6.80	175	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
56	54	10.10	176	P 1	DNT		LTS	+0.09	LTE	UTE				7		510UL	04/03 RFO
		0.46	63	3	NQI		012	+29.76	LTE	UTE				7		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
56	55	6.11	177	P	1	DNT	LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
56	56	6.23	174	P	1	DNT	LTS	+0.07	LTE	UTE				7		510UL	04/03 RFO
56	57	9.82	175	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
56	58	22.82	181	P	1	DNT	LTS	+0.09	LTE	UTE				2		510UL	04/03 RFO
56	59	18.97	178	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
56	60	12.77	178	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
56	61	7.51	179	P	1	DNT	LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
56	62	11.12	180	P	1	DNT	LTS	+0.14	LTE	UTE				146		510UL	04/03 RFO
56	63	9.24	180	P	1	DNT	LTS	+0.19	LTE	UTE				147		510UL	04/03 RFO
56	64	6.87	177	P	1	DNT	LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
56	65	8.75	182	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
56	69	6.85	178	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
56	70	11.59	180	P	1	DNT	LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
56	71	9.60	182	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
56	72	7.26	177	P	1	DNT	LTS	+0.23	LTE	UTE				146		510UL	04/03 RFO
56	73	11.90	180	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
56	74	14.20	182	P	1	DNT	LTS	+0.14	LTE	UTE				146		510UL	04/03 RFO
56	75	12.36	180	P	1	DNT	LTS	+0.14	LTE	UTE				146		510UL	04/03 RFO
56	76	14.32	182	P	1	DNT	LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
56	77	11.41	181	P	1	DNT	LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
56	78	10.31	182	P	1	DNT	LTS	+0.11	LTE	UTE				147		510UL	04/03 RFO
56	79	19.45	178	P	1	DNT	LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
56	80	16.62	181	P	1	DNT	LTS	-0.04	LTE	UTE				147		510UL	04/03 RFO
56	81	7.19	178	P	1	DNT	LTS	+0.02	LTE	UTE				146		510UL	04/03 RFO
56	82	8.18	179	P	1	DNT	LTS	+0.04	LTE	UTE				147		510UL	04/03 RFO
56	83	1.36	160	3		NQI	015	+38.99	LTE	UTE				146		510UL	04/03 RFO
56	93	7.93	172	3		DNT	UTS	+7.22	UTE	LTE				36		510UL	04/03 RFO
56	110	0.59	115	3		NQI	011	+1.34	UTE	LTE				37		510UL	04/03 RFO
56	123	0.44	98	3		NQI	014	+24.74	UTE	LTE				36		510UL	04/03 RFO
56	127	0.39	114	P	1	NQI	011	+0.59	UTE	LTE				37		510UL	04/03 RFO
		0.33	50	3		NQI	015	+14.92	UTE	LTE				37		510UL	04/03 RFO
		0.40	89	3		NQI	014	+32.61	UTE	LTE				37		510UL	04/03 RFO
57	1	8.80	175	3		DNT	UTS	+13.18	UTE	LTE				130		510UL	04/03 RFO
		26.51	178	3		DNT	LTE	+11.22	UTE	LTE				130		510UL	04/03 RFO
57	2	8.87	177	3		DNT	UTS	+13.05	UTE	LTE				131		510UL	04/03 RFO
		25.03	177	3		DNT	LTE	+11.14	UTE	LTE				131		510UL	04/03 RFO
57	5	0.31	114	3		NQI	001	+3.22	UTE	LTE				130		510UL	04/03 RFO
57	10	0.45	135	3		NQI	011	+1.09	UTE	LTE				131		510UL	04/03 RFO
57	27	0.30	35	3		NQI	011	+13.03	UTE	LTE				130		510UL	04/03 RFO
57	42	0.42	100	3		NQI	007	+15.93	UTE	LTE				100		510UL	04/03 RFO
57	53	13.04	178	P	1	DNT	LTS	-0.05	LTE	UTE				7		510UL	04/03 RFO
57	54	9.84	169	P	1	DNT	LTS	+0.04	LTE	UTE				8		510UL	04/03 RFO
57	55	8.23	177	P	1	DNT	LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
		0.82	70	3		NQI	LTS	+3.97	LTE	UTE				7		510UL	04/03 RFO
		0.40	108	3		NQI	010	+27.97	LTE	UTE				7		510UL	04/03 RFO
57	56	7.33	173	P	1	DNT	LTS	-0.24	LTE	UTE				8		510UL	04/03 RFO
57	57	12.37	177	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
57	58	14.74	176	P	1	DNT	LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
57	59	13.14	177	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
57	60	9.78	176	P	1	DNT	LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
		0.25	76	3		NQI	012	+28.66	LTE	UTE				7		510UL	04/03 RFO
57	61	9.39	166	P	1	DNT	LTS	+0.17	LTE	UTE				9		510BN	04/03 RFO
57	62	12.03	181	P	1	DNT	LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
57	63	15.73	179	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
57	64	8.39	178	P	1	DNT	LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
57	65	6.49	179	P	1	DNT	LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
57	71	6.02	177	P	1	DNT	LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
57	72	6.09	177	P	1	DNT	LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
57	73	11.89	182	P	1	DNT	LTS	+0.25	LTE	UTE				147		510UL	04/03 RFO
57	74	31.38	182	P	1	DNT	LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
57	75	29.93	182	P	1	DNT	LTS	+0.25	LTE	UTE				147		510UL	04/03 RFO
57	76	9.40	180	P	1	DNT	LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
57	77	9.80	181	P	1	DNT	LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
		0.42	63	3		NQI	012	+33.63	LTE	UTE				147		510UL	04/03 RFO
57	78	7.75	180	P	1	DNT	LTS	+0.13	LTE	UTE				146		510UL	04/03 RFO
57	79	9.96	183	P	1	DNT	LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
57	80	15.77	181	P	1	DNT	LTS	+0.09	LTE	UTE				146		510UL	04/03 RFO
57	81	16.08	180	P	1	DNT	LTS	+0.06	LTE	UTE				147		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
57	82	9.83	180	P 1	DNT		LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
57	83	6.61	177	P 1	DNT		LTS	+0.25	LTE	UTE				147		510UL	04/03 RFO
57	92	11.40	194	P 1	DNT		LTS	-0.19	UTE	LTE				36		510UL	04/03 RFO
57	93	0.30	72	3	NQI		008	+16.33	UTE	LTE				37		510UL	04/03 RFO
57	102	0.41	120	3	NQI		007	+17.11	UTE	LTE				37		510UL	04/03 RFO
57	114	0.53	83	3	NQI		011	+7.76	UTE	LTE				37		510UL	04/03 RFO
57	122	1.23	61	P 1	NQI		010	+0.44	UTE	LTE				37		510UL	04/03 RFO
57	128	0.35	105	3	NQI		013	+2.85	UTE	LTE				37		510UL	04/03 RFO
		1.20	127	3	NQI		013	+2.53	UTE	LTE				37		510UL	04/03 RFO
		0.86	109	3	NQI		013	+2.10	UTE	LTE				37		510UL	04/03 RFO
		0.82	114	3	NQI		012	+3.01	UTE	LTE				37		510UL	04/03 RFO
58	3	13.01	176	3	DNT		UTS	+13.08	UTE	LTE				130		510UL	04/03 RFO
		0.46	64	P 1	NQI		010	+0.09	UTE	LTE				130		510UL	04/03 RFO
		19.60	177	3	DNT		LTE	+11.09	UTE	LTE				130		510UL	04/03 RFO
		8.16	180	3	DNT		UTS	+13.54	UTE	LTE				130		510UL	04/03 RFO
58	4	0.69	66	P 1	NQI		009	+0.66	UTE	LTE				131		510UL	04/03 RFO
58	5	0.70	110	3	NQI		009	+9.72	UTE	LTE				130		510UL	04/03 RFO
58	25	0.32	62	3	NQI		002	+22.86	UTE	LTE				132		510UL	04/03 RFO
58	41	7.28	185	3	DNT		UTS	+8.58	UTE	LTE				100		510UL	04/03 RFO
58	54	8.00	171	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
58	55	14.08	177	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
58	56	8.95	171	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
58	57	14.69	178	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
58	58	6.15	171	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
58	59	8.79	175	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
58	60	11.06	177	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
58	61	22.62	179	P 1	DNT		LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
58	62	23.73	182	P 1	DNT		LTS	+0.17	LTE	UTE				5		510UL	04/03 RFO
		1.11	78	6	ADI		015	+33.28	LTE	UTE				5		510UL	04/03 RFO
58	63	11.70	178	P 1	DNT		LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
58	64	6.67	178	P 1	DNT		LTS	+0.28	LTE	UTE				147		510UL	04/03 RFO
58	70	7.35	179	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
58	73	7.63	185	P 1	DNT		LTS	+0.40	LTE	UTE				146		510UL	04/03 RFO
		1.80	144	P 1	NQI		LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
58	74	23.98	184	P 1	DNT		LTS	+0.28	LTE	UTE				147		510UL	04/03 RFO
58	75	17.86	182	P 1	DNT		LTS	+0.29	LTE	UTE				146		510UL	04/03 RFO
58	76	28.19	181	P 1	DNT		LTS	+0.21	LTE	UTE				147		510UL	04/03 RFO
58	77	14.33	180	P 1	DNT		LTS	+0.13	LTE	UTE				146		510UL	04/03 RFO
58	78	9.00	179	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
58	79	6.87	177	P 1	DNT		LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
58	80	11.99	182	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
58	81	9.00	179	P 1	DNT		LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
58	82	13.91	181	P 1	DNT		LTS	+0.13	LTE	UTE				147		510UL	04/03 RFO
58	83	11.74	177	P 1	DNT		LTS	+0.07	LTE	UTE				146		510UL	04/03 RFO
58	84	6.48	178	P 1	DNT		LTS	+0.11	LTE	UTE				147		510UL	04/03 RFO
58	86	1.65	137	3	NQI		005	+10.48	LTE	UTE				147		510UL	04/03 RFO
58	89	0.26	72	3	NQI		011	+26.18	LTE	UTE				146		510UL	04/03 RFO
58	91	12.69	183	P 1	DNT		LTS	-0.16	LTE	UTE				146		510UL	04/03 RFO
58	92	27.84	189	P 1	DNT		LTS	-0.11	UTE	LTE				41		510UL	04/03 RFO
58	93	17.97	191	P 1	DNT		LTS	-0.15	UTE	LTE				41		510UL	04/03 RFO
58	94	0.52	113	3	NQI		002	+23.87	UTE	LTE				41		510UL	04/03 RFO
58	95	0.39	119	3	NQI		003	+24.67	UTE	LTE				41		510UL	04/03 RFO
58	97	0.35	63	3	NQI		008	+14.31	UTE	LTE				41		510UL	04/03 RFO
58	99	0.38	147	3	NQI		011	+32.19	UTE	LTE				41		510UL	04/03 RFO
58	124	0.76	124	P 1	NQI		009	-0.65	LTE	UTE				128		510UL	04/03 RFO
58	125	0.85	61	P 1	NQI		009	+0.69	UTE	LTE				37		510UL	04/03 RFO
58	129	2.21	133	3	NQI		015	-1.27	UTE	LTE				37		510UL	04/03 RFO
		0.97	128	3	NQI		013	+2.54	UTE	LTE				37		510UL	04/03 RFO
		0.49	100	3	NQI		014	+32.13	UTE	LTE				37		510UL	04/03 RFO
		0.64	112	3	NQI		014	+31.60	UTE	LTE				37		510UL	04/03 RFO
		0.94	129	3	NQI		013	+3.05	UTE	LTE				37		510UL	04/03 RFO
		1.00	127	3	NQI		012	+2.21	UTE	LTE				37		510UL	04/03 RFO
59	1	27.70	178	3	DNT		LTE	+10.98	UTE	LTE				132		510UL	04/03 RFO
59	5	8.88	178	3	DNT		LTS	+14.66	UTE	LTE				132		510UL	04/03 RFO
59	6	0.19	97	3	NQI		010	+13.27	UTE	LTE				133		510UL	04/03 RFO
		0.26	80	3	NQI		011	+16.02	UTE	LTE				133		510UL	04/03 RFO
59	8	1.42	69	P 1	NQI		009	-0.62	UTE	LTE				133		510UL	04/03 RFO
59	17	0.38	104	3	NQI		010	+29.23	UTE	LTE				132		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
59	20	0.53	88	3	NQI		010	+30.31	UTE	LTE				132		510UL	04/03 RFO
		0.23	111	3	NQI		010	+1.39	UTE	LTE				133		510UL	04/03 RFO
59	32	0.82	92	P 1	NQI		UTS	+20.49	UTE	LTE				100		510UL	04/03 RFO
59	39	0.52	80	3	NQI		015	+14.69	UTE	LTE				93		510UL	04/03 RFO
		0.44	75	3	NQI		009	+25.56	UTE	LTE				93		510UL	04/03 RFO
59	52	13.84	178	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
59	53	12.94	178	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
59	54	7.12	174	P 1	DNT		LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
59	55	8.35	175	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
59	57	6.51	173	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
59	58	14.77	176	P 1	DNT		LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
59	59	11.35	168	P 1	DNT		LTS	+0.24	LTE	UTE				9		510BN	04/03 RFO
59	60	9.28	179	P 1	DNT		LTS	+0.20	LTE	UTE				5		510UL	04/03 RFO
59	64	6.74	179	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
59	66	6.61	183	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
59	68	6.35	177	P 1	DNT		LTS	+0.21	LTE	UTE				147		510UL	04/03 RFO
59	73	28.99	181	P 1	DNT		LTS	+0.25	LTE	UTE				146		510UL	04/03 RFO
59	74	45.82	181	P 1	DNT		LTS	+0.11	LTE	UTE				147		510UL	04/03 RFO
59	75	17.98	181	P 1	DNT		LTS	+0.20	LTE	UTE				146		510UL	04/03 RFO
59	76	13.59	180	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
59	77	8.78	179	P 1	DNT		LTS	+0.13	LTE	UTE				146		510UL	04/03 RFO
59	78	10.89	180	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
59	79	7.23	175	P 1	DNT		LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
59	80	6.77	175	P 1	DNT		LTS	+0.11	LTE	UTE				147		510UL	04/03 RFO
59	81	12.65	178	P 1	DNT		LTS	+0.09	LTE	UTE				146		510UL	04/03 RFO
59	83	0.43	111	3	NQI		015	+26.92	LTE	UTE				146		510UL	04/03 RFO
		6.46	180	P 1	DNT		LTS	+0.00	LTE	UTE				146		510UL	04/03 RFO
59	88	14.61	183	P 1	DNT		LTS	+0.00	LTE	UTE				146		510UL	04/03 RFO
59	89	0.25	80	3	NQI		014	+33.00	UTE	LTE				41		510UL	04/03 RFO
		38.98	186	P 1	DNT		LTS	-0.11	UTE	LTE				41		510UL	04/03 RFO
59	90	0.72	107	P 1	NQI		UTS	+19.46	UTE	LTE				41		510UL	04/03 RFO
		35.32	187	P 1	DNT		LTS	-0.13	UTE	LTE				41		510UL	04/03 RFO
59	91	13.61	190	P 1	DNT		LTS	-0.11	UTE	LTE				41		510UL	04/03 RFO
59	96	1.18	57	P 1	NQI		013	+0.79	UTE	LTE				41		510UL	04/03 RFO
59	101	6.48	183	3	DNT		001	+6.21	UTE	LTE				41		510UL	04/03 RFO
59	118	0.98	89	P 1	NQI		008	-0.61	UTE	LTE				41		510UL	04/03 RFO
		0.76	78	P 1	NQI		009	-0.51	UTE	LTE				41		510UL	04/03 RFO
59	120	0.33	99	3	NQI		009	+25.11	UTE	LTE				41		510UL	04/03 RFO
59	121	0.60	107	P 1	NQI		009	+0.58	UTE	LTE				41		510UL	04/03 RFO
		0.68	79	3	NQI		009	+20.19	UTE	LTE				41		510UL	04/03 RFO
60	17	0.23	84	3	NQI		013	+6.45	UTE	LTE				133		510UL	04/03 RFO
60	22	0.24	99	3	NQI		001	+1.50	UTE	LTE				132		510UL	04/03 RFO
60	32	0.26	95	3	NQI		012	+26.66	UTE	LTE				100		510UL	04/03 RFO
60	41	0.26	70	3	NQI		013	+26.94	UTE	LTE				100		510UL	04/03 RFO
60	50	0.42	124	3	NQI		007	+14.49	LTE	UTE				7		510UL	04/03 RFO
60	54	8.45	172	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
60	56	9.98	176	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
60	58	6.01	174	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
60	60	8.22	174	P 1	DNT		LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
60	62	6.60	178	P 1	DNT		LTS	+0.24	LTE	UTE				5		510UL	04/03 RFO
		0.42	115	3	NQI		001	+34.19	LTE	UTE				5		510UL	04/03 RFO
		8.05	181	P 1	DNT		LTS	+0.21	LTE	UTE				147		510UL	04/03 RFO
		0.57	118	3	NQI		001	+34.19	LTE	UTE				147		510UL	04/03 RFO
60	66	6.68	178	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
60	68	6.46	174	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
60	70	11.65	181	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
60	72	7.69	177	P 1	DNT		LTS	+0.10	LTE	UTE				147		510UL	04/03 RFO
60	73	0.27	90	3	NQI		008	+7.03	LTE	UTE				146		510UL	04/03 RFO
60	74	6.10	177	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
60	75	9.56	180	P 1	DNT		LTS	+0.31	LTE	UTE				146		510UL	04/03 RFO
60	76	19.31	183	P 1	DNT		LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
60	77	19.77	180	P 1	DNT		LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
60	78	17.98	179	P 1	DNT		LTS	+0.21	LTE	UTE				147		510UL	04/03 RFO
		0.60	43	P 1	NQI		005	+0.32	LTE	UTE				147		510UL	04/03 RFO
60	79	12.09	180	P 1	DNT		LTS	+0.27	LTE	UTE				146		510UL	04/03 RFO
60	80	9.73	179	P 1	DNT		LTS	+0.21	LTE	UTE				147		510UL	04/03 RFO
60	81	7.72	179	P 1	DNT		LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
60	82	10.30	179	P 1	DNT		LTS	+0.21	LTE	UTE				147		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
60	83	8.93	177	P 1	DNT		LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
60	84	8.21	179	P 1	DNT		LTS	+0.04	LTE	UTE				147		510UL	04/03 RFO
60	86	7.47	182	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
60	87	7.75	179	P 1	DNT		LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
60	92	12.89	194	P 1	DNT		LTS	-0.23	UTE	LTE				49		510UL	04/03 RFO
60	93	26.97	186	P 1	DNT		LTS	-0.20	UTE	LTE				48		510UL	04/03 RFO
60	94	36.96	184	P 1	DNT		LTS	-0.16	UTE	LTE				49		510UL	04/03 RFO
60	95	9.04	191	P 1	DNT		LTS	-0.14	UTE	LTE				48		510UL	04/03 RFO
60	97	0.38	70	3	NQI		010	+22.24	UTE	LTE				49		510UL	04/03 RFO
60	114	0.29	120	3	NQI		015	+25.70	UTE	LTE				41		510UL	04/03 RFO
60	115	11.11	180	3	DNT		013	+33.56	UTE	LTE				41		510UL	04/03 RFO
60	117	7.92	194	3	DNT		015	+12.06	UTE	LTE				41		510UL	04/03 RFO
60	118	7.37	175	3	DNT		013	+33.28	UTE	LTE				41		510UL	04/03 RFO
		0.31	71	P 1	NQI		007	-0.57	UTE	LTE				41		510UL	04/03 RFO
60	124	0.90	96	P 1	NQI		009	-0.78	UTE	LTE				41		510UL	04/03 RFO
60	125	1.21	87	3	NQI		009	+18.07 TO+31.63	UTE	LTE				41		510UL	04/03 RFO
60	126	0.64	91	3	NQI		009	+24.60 TO+38.12	UTE	LTE				41		510UL	04/03 RFO
		7.08	188	3	DNT		006	+22.72	UTE	LTE				41		510UL	04/03 RFO
60	127	0.71	135	3	NQI		009	+32.75	UTE	LTE				41		510UL	04/03 RFO
60	129	0.53	127	3	NQI		011	+7.58	UTE	LTE				41		510UL	04/03 RFO
		0.98	130	3	NQI		011	+5.84	UTE	LTE				41		510UL	04/03 RFO
61	2	0.94	127	3	NQI		014	+1.20	UTE	LTE				132		510UL	04/03 RFO
61	5	0.43	124	3	NQI		010	+7.46	UTE	LTE				132		510UL	04/03 RFO
61	28	0.89	67	P 1	NQI		UTS	+17.00	UTE	LTE				133		510UL	04/03 RFO
61	43	0.64	94	P 1	NQI		UTS	+19.75	UTE	LTE				100		510UL	04/03 RFO
61	53	7.28	171	P 1	DNT		LTS	+0.11	LTE	UTE				8		510UL	04/03 RFO
61	54	24.72	176	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
		0.43	70	3	NQI		011	+22.43	LTE	UTE				7		510UL	04/03 RFO
61	55	8.38	177	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
61	58	6.88	172	P 1	DNT		LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
		0.60	104	P 1	NQI		013	+0.07	LTE	UTE				7		510UL	04/03 RFO
61	59	0.31	93	3	NQI		006	+35.71	LTE	UTE				7		510UL	04/03 RFO
61	63	7.01	176	P 1	DNT		LTS	+0.25	LTE	UTE				146		510UL	04/03 RFO
61	64	6.40	175	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
61	65	6.88	177	P 1	DNT		LTS	+0.13	LTE	UTE				146		510UL	04/03 RFO
61	66	7.59	177	P 1	DNT		LTS	+0.13	LTE	UTE				147		510UL	04/03 RFO
61	67	8.32	175	P 1	DNT		LTS	+0.07	LTE	UTE				146		510UL	04/03 RFO
61	68	10.09	183	P 1	DNT		LTS	+0.17	LTE	UTE				147		510UL	04/03 RFO
61	69	11.74	180	P 1	DNT		LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
61	70	6.37	176	P 1	DNT		LTS	+0.25	LTE	UTE				147		510UL	04/03 RFO
61	71	6.80	177	P 1	DNT		LTS	+0.38	LTE	UTE				146		510UL	04/03 RFO
61	73	6.71	180	P 1	DNT		LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
61	74	11.61	181	P 1	DNT		LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
61	75	11.70	181	P 1	DNT		LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
61	76	9.08	178	P 1	DNT		LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
61	77	14.10	180	P 1	DNT		LTS	+0.25	LTE	UTE				146		510UL	04/03 RFO
61	78	13.83	181	P 1	DNT		LTS	+0.15	LTE	UTE				147		510UL	04/03 RFO
61	79	14.05	178	P 1	DNT		LTS	+0.18	LTE	UTE				146		510UL	04/03 RFO
61	80	12.20	179	P 1	DNT		LTS	+0.13	LTE	UTE				147		510UL	04/03 RFO
		0.49	51	3	NQI		007	+29.63	LTE	UTE				147		510UL	04/03 RFO
61	81	6.31	175	P 1	DNT		LTS	+0.11	LTE	UTE				146		510UL	04/03 RFO
61	82	7.75	179	P 1	DNT		LTS	+0.11	LTE	UTE				147		510UL	04/03 RFO
61	84	6.03	177	P 1	DNT		LTS	-0.29	LTE	UTE				147		510UL	04/03 RFO
61	85	9.60	177	3	DNT		015	+40.35	LTE	UTE				146		510UL	04/03 RFO
		0.69	99	P 1	NQI		015	+0.55	LTE	UTE				146		510UL	04/03 RFO
		7.60	178	P 1	DNT		LTS	+0.13	LTE	UTE				146		510UL	04/03 RFO
		1.15	230	3	NQI		015	+1.05	LTE	UTE				146		510UL	04/03 RFO
61	88	0.31	118	3	NQI		012	+34.41	LTE	UTE				147		510UL	04/03 RFO
61	91	10.09	195	P 1	DNT		LTS	-0.16	UTE	LTE				49		510UL	04/03 RFO
61	92	10.29	193	P 1	DNT		LTS	-0.16	UTE	LTE				48		510UL	04/03 RFO
61	103	9.18	184	3	DNT		001	+6.28	UTE	LTE				41		510UL	04/03 RFO
61	108	0.38	111	3	NQI		013	+23.17	UTE	LTE				41		510UL	04/03 RFO
61	110	24.85	181	3	DNT		LTE	+11.20	LTE	UTE				128		510UL	04/03 RFO
61	111	0.42	95	3	NQI		LTS	+35.36	LTE	UTE				128		510UL	04/03 RFO
		0.95	105	P 1	NQI		014	+0.81	LTE	UTE				128		510UL	04/03 RFO
61	121	0.33	95	3	NQI		010	+16.74	UTE	LTE				41		510UL	04/03 RFO
		1.02	92	P 1	NQI		009	-0.70	UTE	LTE				41		510UL	04/03 RFO
61	122	0.75	102	3	NQI		009	+20.23 TO+33.75	UTE	LTE				41		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		1.25	90	P	1	NQI	009	-0.68	UTE	LTE				41		510UL	04/03 RFO
		1.39	34	P	1	NQI	009	+0.58	UTE	LTE				41		510UL	04/03 RFO
61	124	0.36	109	3	NQI		010	+3.04	UTE	LTE				41		510UL	04/03 RFO
		0.85	92	3	NQI		009	+34.60	UTE	LTE	TO+38.77			41		510UL	04/03 RFO
		0.89	72	P	1	NQI	009	-0.76	UTE	LTE				41		510UL	04/03 RFO
62	4	0.43	93	3	NQI		LTS	+34.42	UTE	LTE				132		510UL	04/03 RFO
62	7	0.72	83	P	1	NQI	009	-0.64	UTE	LTE				133		510UL	04/03 RFO
62	44	0.56	91	P	1	NQI	UTS	+18.48	UTE	LTE				100		510UL	04/03 RFO
62	49	6.35	182	P	1	DNT	LTS	-0.04	LTE	UTE				8		510UL	04/03 RFO
62	53	6.63	170	P	1	DNT	LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
62	54	7.84	176	P	1	DNT	LTS	-0.07	LTE	UTE				7		510UL	04/03 RFO
62	55	9.14	171	P	1	DNT	LTS	+0.18	LTE	UTE				8		510UL	04/03 RFO
62	56	8.51	173	P	1	DNT	LTS	-0.02	LTE	UTE				7		510UL	04/03 RFO
62	58	10.38	176	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
62	59	24.39	180	P	1	DNT	LTS	+0.20	LTE	UTE				8		510UL	04/03 RFO
62	60	14.46	175	P	1	DNT	LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
62	63	6.92	178	P	1	DNT	LTS	+0.25	LTE	UTE				156		510UL	04/03 RFO
62	64	0.97	136	3	NQI		015	+40.65	UTE	LTE	TO+41.85			188		510UL	04/03 RFO
62	65	7.04	178	P	1	DNT	LTS	+0.04	LTE	UTE				156		510UL	04/03 RFO
62	66	7.42	178	P	1	DNT	LTS	+0.16	LTE	UTE				161		510UL	04/03 RFO
62	67	6.93	178	P	1	DNT	LTS	+0.21	LTE	UTE				161		510UL	04/03 RFO
62	70	11.00	185	P	1	DNT	LTS	+0.16	LTE	UTE				161		510UL	04/03 RFO
62	71	8.40	182	P	1	DNT	LTS	+0.13	LTE	UTE				156		510UL	04/03 RFO
62	73	0.30	72	3	NQI		011	+3.40	LTE	UTE				161		510UL	04/03 RFO
62	76	6.69	177	P	1	DNT	LTS	+0.18	LTE	UTE				161		510UL	04/03 RFO
62	77	9.86	175	P	1	DNT	LTS	+0.18	LTE	UTE				161		510UL	04/03 RFO
62	78	7.13	172	P	1	DNT	LTS	+0.07	LTE	UTE				161		510UL	04/03 RFO
62	80	8.19	177	P	1	DNT	LTS	+0.18	LTE	UTE				161		510UL	04/03 RFO
62	81	14.75	175	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
62	82	11.90	178	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
62	83	7.61	176	P	1	DNT	LTS	+0.16	LTE	UTE				146		510UL	04/03 RFO
62	84	10.42	178	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
62	85	7.27	180	P	1	DNT	LTS	-0.18	LTE	UTE				146		510UL	04/03 RFO
		0.30	82	3	NQI		012	+5.90	LTE	UTE				146		510UL	04/03 RFO
62	86	8.86	180	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
62	108	0.22	85	P	1	NQI	014	+0.25	LTE	UTE				128		510UL	04/03 RFO
62	112	21.28	181	3	DNT		LTE	+10.54	LTE	UTE				128		510UL	04/03 RFO
62	115	1.38	98	P	1	TWD	15 014	+1.38	LTE	UTE				128		510UL	04/03 RFO
62	126	1.59	68	3	NQI		009	+21.34	UTE	LTE	TO+35.33			41		510UL	04/03 RFO
62	129	26.10	182	P	1	DNT	015	-0.42	UTE	LTE				41		510UL	04/03 RFO
63	1	0.86	44	P	1	NQI	011	+0.44	014	LTE				42		510UL	04/03 RFO
63	15	0.23	79	3	NQI		012	+31.34	UTE	LTE				133		510UL	04/03 RFO
		0.27	58	3	NQI		012	+31.11	UTE	LTE				133		510UL	04/03 RFO
63	18	0.30	106	3	NQI		012	+17.71	UTE	LTE				132		510UL	04/03 RFO
63	38	0.37	75	3	NQI		010	+12.87	UTE	LTE				100		510UL	04/03 RFO
63	50	6.72	179	P	1	DNT	LTS	-0.07	LTE	UTE				7		510UL	04/03 RFO
63	52	6.29	175	P	1	DNT	LTS	+0.02	LTE	UTE				7		510UL	04/03 RFO
63	53	8.38	179	P	1	DNT	LTS	+0.07	LTE	UTE				8		510UL	04/03 RFO
63	54	10.77	176	P	1	DNT	LTS	+0.02	LTE	UTE				7		510UL	04/03 RFO
63	55	6.42	179	P	1	DNT	LTS	-0.06	LTE	UTE				8		510UL	04/03 RFO
63	56	8.22	173	P	1	DNT	LTS	+0.00	LTE	UTE				7		510UL	04/03 RFO
63	57	7.11	176	P	1	DNT	LTS	+0.02	LTE	UTE				8		510UL	04/03 RFO
63	58	18.48	177	P	1	DNT	LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
63	59	40.91	184	P	1	DNT	LTS	+0.20	LTE	UTE				8		510UL	04/03 RFO
		0.78	77	P	1	NQI	013	+0.84	LTE	UTE				8		510UL	04/03 RFO
63	60	44.52	179	P	1	DNT	LTS	+0.21	LTE	UTE				7		510UL	04/03 RFO
63	61	28.44	185	P	1	DNT	LTS	+0.26	LTE	UTE				5		510UL	04/03 RFO
63	66	7.16	177	P	1	DNT	LTS	+0.08	UTE	LTE				162		510UL	04/03 RFO
		0.47	110	P	1	NQI	014	+0.77	UTE	LTE				162		510UL	04/03 RFO
63	67	8.11	178	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
63	71	9.16	184	P	1	DNT	LTS	+0.11	UTE	LTE				162		510UL	04/03 RFO
63	72	0.46	113	P	1	NQI	014	+0.55	UTE	LTE				162		510UL	04/03 RFO
		6.01	184	P	1	DNT	LTS	+0.11	UTE	LTE				162		510UL	04/03 RFO
63	73	10.43	183	P	1	DNT	LTS	+0.06	UTE	LTE				162		510UL	04/03 RFO
63	74	9.44	183	P	1	DNT	LTS	+0.11	UTE	LTE				162		510UL	04/03 RFO
63	75	6.00	177	P	1	DNT	LTS	-0.04	UTE	LTE				162		510UL	04/03 RFO
63	78	6.75	176	P	1	DNT	LTS	+0.06	UTE	LTE				162		510UL	04/03 RFO
63	82	6.54	174	P	1	DNT	LTS	+0.44	LTE	UTE				147		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
63	83	7.43	180	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
63	84	10.57	180	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
63	85	8.58	175	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
63	86	6.41	174	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
63	87	6.53	171	P	1	DNT	LTS	+0.25	LTE	UTE				147		510UL	04/03 RFO
63	113	22.29	182	3		DNT	LTE	+11.32	LTE	UTE				128		510UL	04/03 RFO
		0.88	49	3		NQI	005	+9.82	LTE	UTE				128		510UL	04/03 RFO
63	114	20.32	181	3		DNT	LTE	+11.42	LTE	UTE				128		510UL	04/03 RFO
63	127	0.74	81	P	1	NQI	008	-0.55	UTE	LTE				41		510UL	04/03 RFO
63	129	15.40	186	P	1	DNT	015	-0.59	UTE	LTE				41		510UL	04/03 RFO
63	130	40.72	183	P	1	DNT	015	-0.45	UTE	LTE				41		510UL	04/03 RFO
64	9	0.61	41	P	1	NQI	009	-0.84	UTE	LTE				133		510UL	04/03 RFO
64	38	0.31	71	3		NQI	015	+23.30	UTE	LTE				93		510UL	04/03 RFO
64	48	0.21	104	3		NQI	013	+27.34	LTE	UTE				128		510UL	04/03 RFO
		0.24	93	3		NQI	014	+3.70	LTE	UTE				128		510UL	04/03 RFO
64	51	6.27	178	P	1	DNT	LTS	+0.02	LTE	UTE				7		510UL	04/03 RFO
64	52	6.60	181	P	1	DNT	LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
64	53	6.11	177	P	1	DNT	LTS	+0.00	LTE	UTE				7		510UL	04/03 RFO
64	54	9.64	179	P	1	DNT	LTS	+0.00	LTE	UTE				8		510UL	04/03 RFO
64	55	8.93	178	P	1	DNT	LTS	-0.05	LTE	UTE				7		510UL	04/03 RFO
64	57	6.56	179	P	1	DNT	LTS	+0.02	LTE	UTE				5		510UL	04/03 RFO
64	58	7.28	176	P	1	DNT	LTS	+0.09	LTE	UTE				9		510BN	04/03 RFO
64	59	28.63	184	P	1	DNT	LTS	+0.15	LTE	UTE				5		510UL	04/03 RFO
64	60	25.50	180	P	1	DNT	LTS	+0.28	LTE	UTE				9		510BN	04/03 RFO
64	61	37.60	186	P	1	DNT	LTS	+0.24	LTE	UTE				5		510UL	04/03 RFO
64	62	14.43	182	P	1	DNT	LTS	+0.28	LTE	UTE				9		510BN	04/03 RFO
64	63	6.57	173	P	1	DNT	LTS	+0.30	LTE	UTE				5		510UL	04/03 RFO
64	67	6.43	181	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
64	83	6.35	172	P	1	DNT	LTS	+0.27	LTE	UTE				147		510UL	04/03 RFO
64	84	7.80	174	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
64	85	9.59	177	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
64	86	7.68	174	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
64	87	6.79	174	P	1	DNT	LTS	+0.23	LTE	UTE				147		510UL	04/03 RFO
64	124	1.21	74	P	1	NQI	009	-0.69	UTE	LTE				47		510UL	04/03 RFO
64	127	1.11	110	3		NQI	009	+34.17	UTE	LTE				41		510UL	04/03 RFO
		2.21	75	P	1	NQI	015	-0.31	UTE	LTE				41		510UL	04/03 RFO
64	128	50.39	183	P	1	DNT	015	-0.53	UTE	LTE				41		510UL	04/03 RFO
64	129	0.57	114	3		NQI	015	+3.49	UTE	LTE				41		510UL	04/03 RFO
		46.09	185	P	1	DNT	015	-0.53	UTE	LTE				41		510UL	04/03 RFO
65	17	0.43	101	3		NQI	005	+30.84	UTE	LTE				133		510UL	04/03 RFO
65	57	7.05	174	P	1	DNT	LTS	+0.00	LTE	UTE				7		510UL	04/03 RFO
65	58	11.01	181	P	1	DNT	LTS	+0.04	LTE	UTE				8		510UL	04/03 RFO
65	59	22.88	178	P	1	DNT	LTS	+0.09	LTE	UTE				7		510UL	04/03 RFO
65	60	23.14	178	P	1	DNT	LTS	+0.07	LTE	UTE				8		510UL	04/03 RFO
65	61	14.51	175	P	1	DNT	LTS	+0.14	LTE	UTE				7		510UL	04/03 RFO
65	62	9.76	174	P	1	DNT	LTS	+0.24	LTE	UTE				9		510BN	04/03 RFO
65	63	9.28	182	P	1	DNT	LTS	+0.06	LTE	UTE				5		510UL	04/03 RFO
65	65	6.77	180	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
		0.35	110	3		NQI	006	+15.07	UTE	LTE				162		510UL	04/03 RFO
65	67	9.81	178	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
65	69	6.63	175	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
		0.35	100	3		NQI	005	+30.22	UTE	LTE				162		510UL	04/03 RFO
65	76	0.36	83	3		NQI	008	+19.74	UTE	LTE				162		510UL	04/03 RFO
65	78	0.36	108	3		NQI	009	+33.43	UTE	LTE				162		510UL	04/03 RFO
65	84	8.67	176	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
65	85	0.40	94	3		NQI	012	+10.16	LTE	UTE				147		510UL	04/03 RFO
		0.76	97	3		NQI	012	+10.95	LTE	UTE				147		510UL	04/03 RFO
65	86	6.11	170	P	1	DNT	LTS	+0.02	LTE	UTE				147		510UL	04/03 RFO
65	87	6.83	175	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
65	95	0.57	144	3		NQI	003	+29.30	UTE	LTE				48		510UL	04/03 RFO
65	99	0.70	132	3		NQI	009	+17.05	UTE	LTE				49		510UL	04/03 RFO
65	126	7.57	183	3		DNT	UTS	+7.10	UTE	LTE				46		510UL	04/03 RFO
		1.57	88	P	1	NQI	009	-0.76	UTE	LTE				46		510UL	04/03 RFO
65	127	0.85	89	P	1	NQI	008	-0.61	UTE	LTE				41		510UL	04/03 RFO
		1.11	124	P	1	NQI	009	-0.57	UTE	LTE				41		510UL	04/03 RFO
		0.97	86	3		NQI	009	+22.39	UTE	LTE				41		510UL	04/03 RFO
65	128	0.85	76	P	1	NQI	008	-0.55	UTE	LTE				41		510UL	04/03 RFO
		1.40	91	P	1	NQI	009	-0.59	UTE	LTE				41		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
65	129	30.29	183	P	1	DNT	015	-0.55	UTE	LTE				41		510UL	04/03 RFO
		1.37	112	3		NQI	009	+38.36	UTE	LTE				41		510UL	04/03 RFO
65	130	31.30	184	P	1	DNT	015	-0.55	UTE	LTE				41		510UL	04/03 RFO
66	32	0.30	69	P	1	NQI	013	-0.19	UTE	LTE				90		510UL	04/03 RFO
66	49	0.67	107	P	1	NQI	UTS	+21.79	UTE	LTE				92		510UL	04/03 RFO
66	57	0.62	78	3		NQI	008	+6.98	LTE	UTE				5		510UL	04/03 RFO
66	59	9.09	183	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
66	60	15.20	175	P	1	DNT	LTS	-0.02	LTE	UTE				2		510UL	04/03 RFO
66	61	7.89	178	P	1	DNT	LTS	+0.11	LTE	UTE				9		510BN	04/03 RFO
66	62	8.00	182	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
66	63	13.69	181	P	1	DNT	LTS	+0.15	LTE	UTE				5		510UL	04/03 RFO
66	64	20.07	180	P	1	DNT	LTS	+0.06	UTE	LTE				162		510UL	04/03 RFO
66	66	7.40	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
66	67	22.35	180	P	1	DNT	LTS	+0.00	UTS	LTE				162		510UL	04/03 RFO
		0.48	73	P	1	NQI	003	-0.72	UTE	LTE				162		510UL	04/03 RFO
66	68	25.66	180	P	1	DNT	LTS	+0.09	UTE	LTE				162		510UL	04/03 RFO
66	69	31.62	180	P	1	DNT	LTS	+0.12	UTE	LTE				162		510UL	04/03 RFO
		0.18	104	3		NQI	011	+22.72	UTE	LTE				162		510UL	04/03 RFO
66	70	25.74	177	P	1	DNT	LTS	+0.16	LTE	UTE				1		510UL	04/03 RFO
66	71	14.35	182	P	1	DNT	LTS	+0.23	UTE	LTE				162		510UL	04/03 RFO
66	72	14.39	182	P	1	DNT	LTS	+0.18	UTE	LTE				162		510UL	04/03 RFO
66	73	6.85	183	P	1	DNT	LTS	+0.36	UTE	LTE				162		510UL	04/03 RFO
66	85	6.41	176	P	1	DNT	LTS	+0.00	LTE	UTE				147		510UL	04/03 RFO
66	101	2.56	12	3		NQI	014	+3.10	UTE	LTE				49		510UL	04/03 RFO
66	105	0.84	104	P	1	NQI	UTS	+20.11	UTE	LTE				47		510UL	04/03 RFO
66	108	0.42	92	3		NQI	015	+5.23	UTE	LTE				46		510UL	04/03 RFO
66	125	1.05	54	P	1	NQI	008	-0.65	UTE	LTE				47		510UL	04/03 RFO
66	127	1.21	92	3		NQI	009	+23.97	UTE	LTE				47		510UL	04/03 RFO
66	128	0.66	109	3		NQI	009	+31.25	UTE	LTE				41		510UL	04/03 RFO
		0.58	95	P	1	NQI	008	-0.61	UTE	LTE				41		510UL	04/03 RFO
		1.04	91	P	1	NQI	009	-0.62	UTE	LTE				41		510UL	04/03 RFO
		0.57	63	P	1	NQI	009	+0.56	UTE	LTE				41		510UL	04/03 RFO
66	129	1.00	53	P	1	NQI	009	-0.51	UTE	LTE				41		510UL	04/03 RFO
66	130	34.06	184	P	1	DNT	015	-0.55	UTE	LTE				41		510UL	04/03 RFO
66	131	13.45	35	P	1	NQI	UTS	-0.15	UTE	LTE				41		510UL	04/03 RFO
		1.35	106	3		TWD	20	+5.19	UTE	LTE				41		510UL	04/03 RFO
		54.41	183	P	1	DNT	015	-0.51	UTE	LTE				41		510UL	04/03 RFO
67	1	6.95	179	3		DNT	009	+38.62	014	LTE				42		510UL	04/03 RFO
67	33	0.39	91	3		NQI	001	+3.63	UTE	LTE				91		510UL	04/03 RFO
67	59	6.33	184	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
67	60	6.08	175	P	1	DNT	LTS	+0.07	LTE	UTE				9		510BN	04/03 RFO
67	63	15.56	183	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
67	64	12.83	180	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
67	65	20.22	180	P	1	DNT	LTS	+0.08	UTE	LTE				162		510UL	04/03 RFO
67	66	16.92	180	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
		0.23	87	3		NQI	012	+8.63	UTE	LTE				162		510UL	04/03 RFO
67	67	31.96	180	P	1	DNT	LTS	+0.13	UTE	LTE				162		510UL	04/03 RFO
67	68	32.75	180	P	1	DNT	LTS	+0.09	UTE	LTE				162		510UL	04/03 RFO
67	69	0.47	81	P	1	NQI	LTE	+6.78	UTE	LTE				162		510UL	04/03 RFO
		30.73	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
67	70	36.77	181	P	1	DNT	LTS	+0.19	UTE	LTE				162		510UL	04/03 RFO
67	71	15.35	181	P	1	DNT	LTS	+0.23	UTE	LTE				162		510UL	04/03 RFO
67	72	0.26	84	P	1	NQI	UTS	+0.78	UTE	LTE				162		510UL	04/03 RFO
		8.91	177	P	1	DNT	LTS	+0.11	UTE	LTE				162		510UL	04/03 RFO
67	84	0.24	97	3		NQI	014	+2.50	LTE	UTE				150		510UL	04/03 RFO
67	86	7.54	173	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
67	88	7.11	178	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
67	129	1.97	47	P	1	NQI	015	-0.42	UTE	LTE				41		510UL	04/03 RFO
67	130	44.03	184	P	1	DNT	015	-0.49	UTE	LTE				41		510UL	04/03 RFO
68	5	0.58	79	P	1	NQI	011	-0.02	014	LTE				42		510UL	04/03 RFO
68	6	0.52	101	P	1	NQI	009	-0.57	014	LTE				42		510UL	04/03 RFO
68	40	0.69	77	P	1	NQI	014	-0.15	UTE	LTE				90		510UL	04/03 RFO
68	64	6.18	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
68	65	8.96	181	P	1	DNT	LTS	+0.02	UTE	LTE				162		510UL	04/03 RFO
68	68	9.04	184	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
68	69	15.67	181	P	1	DNT	LTS	+0.08	UTE	LTE				162		510UL	04/03 RFO
68	70	33.36	181	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
68	71	30.61	181	P	1	DNT	LTS	+0.11	UTE	LTE				162		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
68	72	23.15	179	P	1	DNT	LTS	+0.08	UTE	LTE				162		510UL	04/03 RFO
68	82	0.42	89	3		NQI	013	+16.98	LTE	UTE				150		510UL	04/03 RFO
68	86	8.14	174	P	1	DNT	LTS	+0.09	LTE	UTE				150		510UL	04/03 RFO
68	87	6.40	175	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
68	88	8.01	173	P	1	DNT	LTS	+0.02	LTE	UTE				150		510UL	04/03 RFO
68	89	8.68	179	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
68	90	6.02	177	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
68	105	0.26	69	3		NQI	001	+4.81	UTE	LTE				47		510UL	04/03 RFO
68	113	0.55	61	3		NQI	LTS	+13.20	UTE	LTE				47		510UL	04/03 RFO
68	118	2.39	18	3		PVN	003	+10.88	UTE	LTE				46		510UL	04/03 RFO
		3.38	18	3		PVN	004	+0.00	UTE	LTE				46		510UL	04/03 RFO
		2.27	20	3		PVN	005	+0.00	UTE	LTE				46		510UL	04/03 RFO
		1.88	15	3		PVN	006	+0.00	UTE	LTE				46		510UL	04/03 RFO
		3.79	18	3		PVN	007	+0.00	UTE	LTE				46		510UL	04/03 RFO
		7.00	19	3		PVN	009	+0.00	UTE	LTE				46		510UL	04/03 RFO
		4.77	16	3		PVN	010	+0.00	UTE	LTE				46		510UL	04/03 RFO
		4.73	18	3		PVN	011	+0.00	UTE	LTE				46		510UL	04/03 RFO
		5.12	16	3		PVN	012	+0.00	UTE	LTE				46		510UL	04/03 RFO
		5.08	17	3		PVN	013	+0.00	UTE	LTE				46		510UL	04/03 RFO
		4.55	18	3		PVN	014	+0.00	UTE	LTE				46		510UL	04/03 RFO
		5.88	17	3		PVN	015	+0.00	UTE	LTE				46		510UL	04/03 RFO
		4.99	13	3		PVN	UTS	+0.00	UTE	LTE				46		510UL	04/03 RFO
		6.25	17	3		PVN	008	+0.00	UTE	LTE				46		510UL	04/03 RFO
68	123	1.02	51	P	1	NQI	009	-0.76	UTE	LTE				47		510UL	04/03 RFO
68	130	15.84	187	P	1	DNT	015	-0.59	UTE	LTE				41		510UL	04/03 RFO
68	131	0.60	146	3		NQI	015	+1.21	UTE	LTE				41		510UL	04/03 RFO
		29.43	181	P	1	DNT	015	-0.51	UTE	LTE				41		510UL	04/03 RFO
		0.50	82	3		NQI	015	+4.37	UTE	LTE				41		510UL	04/03 RFO
		0.95	136	3		NQI	015	+3.48	UTE	LTE				41		510UL	04/03 RFO
69	9	0.27	88	3		NQI	001	+33.74	014	LTE				42		510UL	04/03 RFO
69	19	10.82	181	3		DNT	003	+4.98	UTE	LTE				136		510UL	04/03 RFO
69	21	0.20	106	3		NQI	015	+20.65	UTE	LTE				136		510UL	04/03 RFO
69	24	0.38	96	3		NQI	012	+24.17	UTE	LTE				135		510UL	04/03 RFO
69	25	0.66	121	3		NQI	003	+27.04	UTE	LTE				136		510UL	04/03 RFO
		0.54	81	3		NQI	004	+6.70	UTE	LTE				136		510UL	04/03 RFO
		0.29	74	3		NQI	011	+22.00	UTE	LTE				136		510UL	04/03 RFO
69	67	0.47	136	3		NQI	008	+27.09	UTE	LTE				162		510UL	04/03 RFO
69	71	12.38	184	P	1	DNT	LTS	+0.02	UTE	LTE				162		510UL	04/03 RFO
69	72	24.50	180	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
69	73	6.72	173	P	1	DNT	LTS	+0.06	UTE	LTE				162		510UL	04/03 RFO
69	79	0.30	95	3		NQI	006	+37.45	UTE	LTE				162		510UL	04/03 RFO
		0.30	55	P	1	NQI	007	-0.38	UTE	LTE				162		510UL	04/03 RFO
		0.34	111	3		NQI	003	+25.34	UTE	LTE				162		510UL	04/03 RFO
69	80	0.28	80	3		NQI	LTS	+21.78	UTE	LTE				162		510UL	04/03 RFO
69	81	1.01	87	P	1	NQI	UTS	+12.23	UTE	LTE				162		510UL	04/03 RFO
69	83	0.21	100	3		NQI	008	+28.84	LTE	UTE				150		510UL	04/03 RFO
69	84	0.24	78	3		NQI	014	+33.53	LTE	UTE				150		510UL	04/03 RFO
69	85	0.36	101	P	1	NQI	UTS	+17.25	LTE	UTE				150		510UL	04/03 RFO
69	86	9.52	171	P	1	DNT	LTS	+0.09	LTE	UTE				150		510UL	04/03 RFO
69	87	11.28	173	P	1	DNT	LTS	+0.19	LTE	UTE				150		510UL	04/03 RFO
69	88	6.15	177	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
69	89	0.51	111	3		NQI	013	+6.12	LTE	UTE				150		510UL	04/03 RFO
		10.19	174	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
69	90	7.39	178	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
69	91	6.00	176	P	1	DNT	LTS	+0.00	LTE	UTE				150		510UL	04/03 RFO
69	103	3.15	15	3		NQI	012	+22.38	UTE	LTE				47		510UL	04/03 RFO
69	130	1.39	75	P	1	NQI	015	-0.53	UTE	LTE				47		510UL	04/03 RFO
69	131	18.86	181	P	1	DNT	015	-0.57	UTE	LTE				47		510UL	04/03 RFO
		7.06	181	P	1	DNT	010	-0.19	UTE	LTE				47		510UL	04/03 RFO
70	3	0.60	79	P	1	NQI	014	-0.02	014	LTE				42		510UL	04/03 RFO
70	31	0.37	104	3		NQI	010	+11.80	UTE	LTE				91		510UL	04/03 RFO
70	36	0.71	62	P	1	NQI	010	-0.90	UTE	LTE				90		510UL	04/03 RFO
70	50	0.83	62	P	1	NQI	013	+0.89	LTE	UTE				5		510UL	04/03 RFO
70	68	0.46	114	3		NQI	010	+7.17	UTE	LTE				162		510UL	04/03 RFO
70	71	9.92	184	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
70	72	10.16	181	P	1	DNT	LTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
70	83	1.03	123	P	1	NQI	LTE	+19.11	LTE	UTE				151		510UL	04/03 RFO
70	86	7.92	178	P	1	DNT	LTS	+0.29	LTE	UTE				151		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
70	87	7.60	174	P	1	DNT	LTS	+0.09	LTE	UTE				151		510UL	04/03 RFO
		0.68	91	3		NQI	009	+28.90	LTE	UTE				151		510UL	04/03 RFO
70	88	7.34	174	P	1	DNT	LTS	+0.09	LTE	UTE				151		510UL	04/03 RFO
70	89	8.28	182	P	1	DNT	LTS	+0.07	LTE	UTE				165		510UL	04/03 RFO
70	90	7.36	181	P	1	DNT	LTS	+0.00	LTE	UTE				166		510UL	04/03 RFO
70	93	5.95	179	P	1	NQI	LTS	+0.00	UTE	LTE				49		510UL	04/03 RFO
70	94	0.39	111	3		NQI	003	+26.14	UTE	LTE				48		510UL	04/03 RFO
70	101	2.88	18	3		NQI	014	+6.98	UTE	LTE				46		510UL	04/03 RFO
70	111	1.75	65	P	1	NQI	006	-0.51	UTE	LTE				46		510UL	04/03 RFO
70	131	0.74	67	P	1	NQI	015	+0.34	UTE	LTE				47		510UL	04/03 RFO
		12.17	184	P	1	DNT	010	+0.06	UTE	LTE				47		510UL	04/03 RFO
		0.94	128	3		NQI	010	+5.87	UTE	LTE				47		510UL	04/03 RFO
		1.17	145	3		NQI	010	+5.07	UTE	LTE				47		510UL	04/03 RFO
71	5	1.09	76	P	1	NQI	009	-0.70	014	LTE				42		510UL	04/03 RFO
71	6	0.70	88	3		NQI	006	+7.63	014	LTE				42		510UL	04/03 RFO
		0.51	119	P	1	NQI	010	+0.50	014	LTE				42		510UL	04/03 RFO
		0.85	72	P	1	NQI	011	+0.39	014	LTE				42		510UL	04/03 RFO
71	38	0.20	100	3		NQI	013	+24.02	UTE	LTE				89		510UL	04/03 RFO
71	53	6.12	191	3		DNT	LTE	+9.56	LTE	UTE				5		510UL	04/03 RFO
71	63	0.42	96	3		NQI	001	+24.92	LTE	UTE				5		510UL	04/03 RFO
71	66	0.48	117	3		NQI	010	+10.94	UTE	LTE				162		510UL	04/03 RFO
71	68	0.46	114	3		NQI	001	+33.81	UTE	LTE				162		510UL	04/03 RFO
71	71	10.60	183	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
71	72	9.05	182	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
71	84	6.48	172	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
71	86	10.48	178	P	1	DNT	LTS	+0.11	LTE	UTE				161		510UL	04/03 RFO
71	87	11.43	180	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
71	88	11.90	181	3		DNT	002	+11.25	LTE	UTE				161		510UL	04/03 RFO
		10.93	182	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
71	89	10.59	179	P	1	DNT	LTS	+0.07	LTE	UTE				161		510UL	04/03 RFO
71	92	6.32	181	P	1	DNT	LTS	+0.07	LTE	UTE				166		510UL	04/03 RFO
71	125	0.47	50	P	1	NQI	010	+0.23	UTE	LTE				47		510UL	04/03 RFO
71	131	1.67	61	P	1	NQI	015	-0.34	UTE	LTE				47		510UL	04/03 RFO
		1.27	110	3		NQI	014	+33.56	UTE	LTE				47		510UL	04/03 RFO
		0.73	53	P	1	NQI	015	+0.36	UTE	LTE				47		510UL	04/03 RFO
72	3	0.65	109	3		NQI	010	+4.84	014	LTE				42		510UL	04/03 RFO
72	6	0.36	64	P	1	NQI	011	-0.07	014	LTE				42		510UL	04/03 RFO
72	12	0.95	71	P	1	NQI	012	+0.43	UTE	LTE				136		510UL	04/03 RFO
72	13	0.57	51	P	1	NQI	012	+0.30	UTE	LTE				135		510UL	04/03 RFO
72	19	1.25	82	P	1	NQI	011	+0.49	UTE	LTE				135		510UL	04/03 RFO
72	41	1.51	91	P	1	NQI	010	+0.50	LTE	UTE				158		510UL	04/03 RFO
72	58	0.28	101	P	1	NQI	014	-0.16	LTE	UTE				159		510UL	04/03 RFO
72	62	0.35	97	3		NQI	009	+30.20	UTE	LTE				162		510UL	04/03 RFO
72	68	0.49	95	3		NQI	010	+13.74	UTE	LTE				162		510UL	04/03 RFO
		0.40	95	3		NQI	010	+12.72	UTE	LTE				162		510UL	04/03 RFO
72	71	9.96	184	P	1	DNT	LTS	-0.06	UTE	LTE				162		510UL	04/03 RFO
72	72	14.25	180	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
72	83	7.84	175	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
		0.36	81	3		NQI	014	+31.94	LTE	UTE				161		510UL	04/03 RFO
72	85	15.12	177	P	1	DNT	LTS	+0.11	LTE	UTE				161		510UL	04/03 RFO
72	86	21.08	179	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
72	87	13.69	178	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
72	88	16.55	179	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
72	89	8.80	179	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
72	92	9.10	180	P	1	DNT	LTS	+0.00	UTE	LTE				49		510UL	04/03 RFO
72	93	6.41	179	P	1	DNT	LTS	-0.05	UTE	LTE				48		510UL	04/03 RFO
72	99	0.45	52	P	1	NQI	014	+0.97	UTE	LTE				48		510UL	04/03 RFO
72	129	0.34	84	3		NQI	004	+7.17	UTE	LTE				46		510UL	04/03 RFO
72	130	1.18	53	P	1	NQI	015	-0.45	UTE	LTE				47		510UL	04/03 RFO
73	5	0.39	94	3		NQI	010	+31.99	014	LTE				42		510UL	04/03 RFO
73	6	0.97	58	P	1	NQI	012	+0.48	014	LTE				42		510UL	04/03 RFO
		0.55	112	3		NQI	010	+33.25	014	LTE				42		510UL	04/03 RFO
73	9	1.21	87	P	1	NQI	013	+0.43	014	LTE				42		510UL	04/03 RFO
73	10	0.72	102	3		NQI	011	+5.59	014	LTE				42		510UL	04/03 RFO
73	11	0.56	128	3		NQI	011	+5.59	014	LTE				42		510UL	04/03 RFO
73	29	0.60	65	P	1	NQI	011	+0.47	UTE	LTE				136		510UL	04/03 RFO
73	32	0.45	109	3		NQI	011	+16.52	UTE	LTE				89		510UL	04/03 RFO
73	57	6.10	183	P	1	DNT	UTS	+0.00	LTE	UTE				158		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
73	71	13.99	181	P	1	DNT	LTS	+0.02	UTE	LTE				162		510UL	04/03 RFO
73	72	15.29	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
73	83	10.11	178	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
		10.77	180	3		DNT	LTS	+0.46	LTE	UTE				161		510UL	04/03 RFO
73	84	23.95	178	P	1	DNT	LTS	+0.18	LTE	UTE				161		510UL	04/03 RFO
73	85	17.87	177	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
73	86	13.64	177	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
73	87	7.48	176	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
73	88	11.96	177	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
73	89	7.83	178	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
73	91	8.91	179	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
73	92	7.63	175	P	1	DNT	LTS	+0.00	UTE	LTE				49		510UL	04/03 RFO
73	93	0.38	100	3		NQI	009	+5.56	UTE	LTE				48		510UL	04/03 RFO
73	103	0.50	81	3		NQI	009	+27.43	UTE	LTE				49		510UL	04/03 RFO
73	125	0.70	55	P	1	NQI	010	+0.44	UTE	LTE				47		510UL	04/03 RFO
		0.60	72	P	1	NQI	010	-0.45	UTE	LTE				47		510UL	04/03 RFO
74	1	22.94	182	3		DNT	LTE	+10.83	014	LTE				38		510UL	04/03 RFO
74	9	0.55	92	3		NQI	012	+31.88	014	LTE				42		510UL	04/03 RFO
74	33	0.30	110	3		NQI	010	+12.21	014	LTE				42		510UL	04/03 RFO
74	40	6.03	183	P	1	DNT	UTS	+0.02	UTE	LTE				89		510UL	04/03 RFO
74	44	6.01	185	P	1	DNT	UTS	-0.23	LTE	UTE				158		510UL	04/03 RFO
74	46	0.35	89	3		NQI	012	+14.19	LTE	UTE				158		510UL	04/03 RFO
74	47	0.40	117	3		NQI	015	+13.86	LTE	UTE				159		510UL	04/03 RFO
74	50	6.21	183	P	1	DNT	UTS	-0.16	LTE	UTE				158		510UL	04/03 RFO
74	52	6.13	182	P	1	DNT	UTS	+0.00	LTE	UTE				158		510UL	04/03 RFO
74	53	6.35	179	P	1	DNT	UTS	+0.00	LTE	UTE				159		510UL	04/03 RFO
74	54	6.51	180	P	1	DNT	UTS	-0.18	LTE	UTE				158		510UL	04/03 RFO
74	55	6.77	179	P	1	DNT	UTS	+0.00	LTE	UTE				159		510UL	04/03 RFO
74	58	6.22	184	P	1	DNT	UTS	+0.02	LTE	UTE				158		510UL	04/03 RFO
74	59	6.05	180	P	1	DNT	UTS	+0.02	LTE	UTE				159		510UL	04/03 RFO
74	63	0.57	99	P	1	NQI	006	+0.74	UTE	LTE				162		510UL	04/03 RFO
74	64	6.84	182	P	1	DNT	UTS	+0.04	UTE	LTE				162		510UL	04/03 RFO
74	66	10.56	184	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
74	67	9.08	183	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
74	68	10.56	180	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
74	72	0.35	86	3		NQI	009	+20.32	UTE	LTE				162		510UL	04/03 RFO
74	75	0.23	68	3		NQI	010	+10.14	LTE	UTE				161		510UL	04/03 RFO
74	78	7.24	177	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
74	79	26.99	180	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
74	80	19.26	177	P	1	DNT	LTS	+0.14	LTE	UTE				161		510UL	04/03 RFO
74	81	6.16	173	P	1	DNT	LTS	+0.11	LTE	UTE				161		510UL	04/03 RFO
74	82	7.26	176	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
74	83	10.64	176	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
74	84	11.44	178	P	1	DNT	LTS	+0.07	LTE	UTE				161		510UL	04/03 RFO
74	87	7.92	181	P	1	DNT	LTS	+0.00	UTE	LTE				48		510UL	04/03 RFO
74	99	5.61	169	3		NQI	013	+31.27	UTE	LTE				49		510UL	04/03 RFO
74	105	0.32	80	3		NQI	015	+10.29	UTE	LTE				49		510UL	04/03 RFO
74	119	1.06	47	P	1	NQI	006	-0.50	UTE	LTE				47		510UL	04/03 RFO
74	121	0.46	74	3		NQI	011	+32.58	UTE	LTE				47		510UL	04/03 RFO
74	124	0.53	113	3		NQI	014	+1.21	UTE	LTE				46		510UL	04/03 RFO
75	1	24.12	182	3		DNT	LTE	+10.90	014	LTE				38		510UL	04/03 RFO
75	13	0.40	126	3		NQI	LTS	+33.22	014	LTE				38		510UL	04/03 RFO
75	21	0.24	73	3		NQI	008	+12.68	014	LTE				38		510UL	04/03 RFO
75	34	0.35	43	3		NQI	006	+1.37	014	LTE				38		510UL	04/03 RFO
75	41	6.24	179	P	1	DNT	UTS	-0.02	UTE	LTE				89		510UL	04/03 RFO
75	42	6.67	181	P	1	DNT	UTS	+0.05	LTE	UTE				159		510UL	04/03 RFO
75	46	0.38	95	P	1	NQI	005	+0.61	LTE	UTE				159		510UL	04/03 RFO
75	47	6.37	180	P	1	DNT	UTS	-0.16	LTE	UTE				158		510UL	04/03 RFO
75	48	6.16	181	P	1	DNT	UTS	+0.07	LTE	UTE				159		510UL	04/03 RFO
75	49	6.87	181	P	1	DNT	UTS	+0.11	LTE	UTE				158		510UL	04/03 RFO
75	51	6.08	181	P	1	DNT	UTS	-0.20	LTE	UTE				158		510UL	04/03 RFO
75	54	6.17	180	P	1	DNT	UTS	+0.02	LTE	UTE				159		510UL	04/03 RFO
75	55	6.36	181	P	1	DNT	UTS	+0.09	LTE	UTE				158		510UL	04/03 RFO
75	59	6.17	183	P	1	DNT	UTS	+0.07	LTE	UTE				158		510UL	04/03 RFO
75	60	6.04	183	P	1	DNT	UTS	+0.00	LTE	UTE				158		510UL	04/03 RFO
75	63	6.34	180	P	1	DNT	UTS	+0.07	LTE	UTE				1		510UL	04/03 RFO
75	65	0.22	64	3		NQI	009	+32.03	UTE	LTE				162		510UL	04/03 RFO
75	67	13.74	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO

TO+37.24

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
75	68	13.37	183	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
75	69	14.81	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
75	71	0.20	67	P	1	NQI	008	-0.36	UTE	LTE				162		510UL	04/03 RFO
75	78	6.24	177	P	1	DNT	LTS	+0.05	LTE	UTE				161		510UL	04/03 RFO
75	79	9.64	174	P	1	DNT	LTS	+0.09	LTE	UTE				161		510UL	04/03 RFO
75	80	26.38	177	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
75	81	17.60	177	P	1	DNT	LTS	+0.16	LTE	UTE				161		510UL	04/03 RFO
75	82	9.84	176	P	1	DNT	LTS	+0.14	LTE	UTE				161		510UL	04/03 RFO
75	83	6.05	176	P	1	DNT	LTS	-0.04	LTE	UTE				161		510UL	04/03 RFO
75	84	10.48	176	P	1	DNT	LTS	+0.00	LTE	UTE				161		510UL	04/03 RFO
75	85	6.35	172	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
75	87	9.46	179	P	1	DNT	LTS	+0.02	LTE	UTE				161		510UL	04/03 RFO
75	88	7.31	180	P	1	DNT	LTS	+0.00	UTE	LTE				49		510UL	04/03 RFO
75	99	0.63	114	3	NQI		011	+33.98	UTE	LTE				49		510UL	04/03 RFO
75	116	0.41	113	P	1	NQI	008	+0.98	UTE	LTE				17		510UL	04/03 RFO
75	117	0.67	45	P	1	NQI	008	+0.74	UTE	LTE				17		510UL	04/03 RFO
75	118	1.07	27	P	1	NQI	008	+0.67	UTE	LTE				17		510UL	04/03 RFO
75	121	0.75	79	P	1	NQI	003	-0.76	UTE	LTE				17		510UL	04/03 RFO
75	122	0.23	86	3	NQI		014	+5.80	UTE	LTE				17		510UL	04/03 RFO
75	123	0.31	115	3	NQI		014	+1.31	UTE	LTE				17		510UL	04/03 RFO
75	125	0.46	96	P	1	NQI	009	-0.70	UTE	LTE				17		510UL	04/03 RFO
75	126	0.27	106	3	NQI		015	+1.35	UTE	LTE				17		510UL	04/03 RFO
76	64	7.44	180	P	1	DNT	UTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
76	66	7.46	185	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
76	67	15.49	180	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
76	68	18.97	179	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
76	69	19.93	181	P	1	DNT	LTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
76	72	0.56	148	3	NQI		011	+3.15	UTE	LTE				188		510UL	04/03 RFO
76	76	0.26	104	P	1	NQI	009	+0.48	LTE	UTE				178		510UL	04/03 RFO
		0.30	89	3	NQI		009	+3.26	LTE	UTE				178		510UL	04/03 RFO
		0.32	125	3	NQI		006	+15.19	LTE	UTE				178		510UL	04/03 RFO
		8.53	173	P	1	DNT	LTS	+0.13	LTE	UTE				178		510UL	04/03 RFO
76	77	10.05	183	P	1	DNT	LTS	+0.02	LTE	UTE				177		510UL	04/03 RFO
76	78	12.78	177	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
76	79	18.96	185	P	1	DNT	LTS	+0.00	LTE	UTE				177		510UL	04/03 RFO
76	80	26.66	178	P	1	DNT	LTS	+0.13	LTE	UTE				178		510UL	04/03 RFO
76	81	12.38	187	P	1	DNT	LTS	+0.13	LTE	UTE				177		510UL	04/03 RFO
76	82	9.12	177	P	1	DNT	LTS	+0.09	LTE	UTE				178		510UL	04/03 RFO
76	83	23.92	183	P	1	DNT	LTS	+0.04	LTE	UTE				177		510UL	04/03 RFO
76	84	10.02	178	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
76	86	7.10	178	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
76	87	6.63	179	P	1	DNT	LTS	-0.07	UTE	LTE				168		510UL	04/03 RFO
76	120	0.40	103	3	TWD	23	007	+37.09	LTE	UTE				182		510UL	04/03 RFO
77	3	29.24	181	3	DNT		LTE	+11.12	014	LTE				38		510UL	04/03 RFO
77	8	12.29	178	3	DNT		LTE	+11.08	014	LTE				38		510UL	04/03 RFO
77	22	24.56	181	3	DNT		LTE	+11.06	014	LTE				38		510UL	04/03 RFO
77	25	0.42	109	3	NQI		011	+7.77	014	LTE				38		510UL	04/03 RFO
77	43	6.01	180	P	1	DNT	UTS	+0.00	LTE	UTE				158		510UL	04/03 RFO
77	44	0.57	77	P	1	NQI	003	-0.66	LTE	UTE				159		510UL	04/03 RFO
77	50	0.28	105	P	1	NQI	007	-0.81	LTE	UTE				159		510UL	04/03 RFO
77	53	6.79	184	P	1	DNT	UTS	+0.07	LTE	UTE				158		510UL	04/03 RFO
77	54	6.19	183	P	1	DNT	UTS	-0.02	LTE	UTE				159		510UL	04/03 RFO
77	61	6.65	182	P	1	DNT	UTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
		0.47	73	3	NQI		012	+16.67	UTE	LTE				162		510UL	04/03 RFO
77	63	7.19	181	P	1	DNT	UTS	+0.00	UTE	LTE				162		510UL	04/03 RFO
77	65	0.20	68	3	NQI		011	+12.26	UTE	LTE				157		510UL	04/03 RFO
		0.48	115	3	NQI		009	+36.43	UTE	LTE				157		510UL	04/03 RFO
		0.54	121	3	NQI		014	+3.01	UTE	LTE				157		510UL	04/03 RFO
		0.35	111	3	NQI		011	+33.65	UTE	LTE				157		510UL	04/03 RFO
		0.33	71	3	NQI		013	+34.01	UTE	LTE				157		510UL	04/03 RFO
77	66	0.32	102	3	NQI		015	+9.30	UTE	LTE				157		510UL	04/03 RFO
77	67	6.75	179	P	1	DNT	LTS	-0.09	UTE	LTE				157		510UL	04/03 RFO
77	68	11.63	178	P	1	DNT	LTS	-0.05	UTE	LTE				157		510UL	04/03 RFO
77	69	26.94	177	P	1	DNT	LTS	+0.05	UTE	LTE				157		510UL	04/03 RFO
77	70	13.49	175	P	1	DNT	LTS	+0.12	UTE	LTE				157		510UL	04/03 RFO
77	77	8.69	176	P	1	DNT	LTS	+0.07	LTE	UTE				178		510UL	04/03 RFO
77	78	13.06	185	P	1	DNT	LTS	+0.04	LTE	UTE				177		510UL	04/03 RFO
77	79	10.58	176	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
77	80	11.49	184	P	1	DNT	LTS	+0.07	LTE	UTE				177		510UL	04/03 RFO
77	81	11.58	177	P	1	DNT	LTS	+0.16	LTE	UTE				178		510UL	04/03 RFO
77	82	6.17	182	P	1	DNT	LTS	+0.09	LTE	UTE				177		510UL	04/03 RFO
77	83	7.81	179	P	1	DNT	LTS	+0.11	LTE	UTE				178		510UL	04/03 RFO
77	84	22.41	186	P	1	DNT	LTS	+0.04	LTE	UTE				177		510UL	04/03 RFO
77	85	7.03	173	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
77	87	8.69	176	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
77	88	6.56	184	P	1	DNT	LTS	-0.04	LTE	UTE				181		510UL	04/03 RFO
77	97	0.44	63	3		NQI	011	+14.27	LTE	UTE				181		510UL	04/03 RFO
77	116	0.31	90	3		NQI	011	+14.15	LTE	UTE				181		510UL	04/03 RFO
77	119	0.35	95	P	1	NQI	010	+0.45	LTE	UTE				182		510UL	04/03 RFO
77	121	0.60	110	P	1	NQI	010	+0.48	LTE	UTE				182		510UL	04/03 RFO
78	3	0.93	149	3		NQI	011	+24.32	014	LTE				38		510UL	04/03 RFO
78	9	6.81	354	3		DNT	LTE	+10.84	014	LTE				38		510UL	04/03 RFO
		18.51	181	3		DNT	LTE	+9.38	014	LTE				38		510UL	04/03 RFO
78	10	7.36	183	3		DNT	LTE	+12.86	014	LTE				39		510UL	04/03 RFO
		19.77	182	3		DNT	LTE	+11.42	014	LTE				39		510UL	04/03 RFO
		20.03	183	3		DNT	LTE	+9.23	014	LTE				39		510UL	04/03 RFO
78	11	19.43	177	3		DNT	LTE	+11.63	014	LTE				38		510UL	04/03 RFO
		14.40	183	3		DNT	LTE	+10.69	014	LTE				38		510UL	04/03 RFO
78	12	35.04	183	3		DNT	LTE	+10.01	014	LTE				39		510UL	04/03 RFO
78	13	18.58	180	3		DNT	LTE	+10.62	014	LTE				38		510UL	04/03 RFO
		23.89	180	3		DNT	LTE	+7.66	014	LTE				38		510UL	04/03 RFO
78	14	0.32	90	3		NQI	009	+11.40	014	LTE				39		510UL	04/03 RFO
		19.02	182	3		DNT	LTE	+7.20	014	LTE				39		510UL	04/03 RFO
		21.31	183	3		DNT	LTE	+10.55	014	LTE				39		510UL	04/03 RFO
78	15	29.06	179	3		DNT	LTE	+10.84	014	LTE				38		510UL	04/03 RFO
78	17	15.93	178	3		DNT	LTE	+11.16	014	LTE				38		510UL	04/03 RFO
		18.27	182	3		DNT	LTE	+10.37	014	LTE				38		510UL	04/03 RFO
78	18	29.55	184	3		DNT	LTE	+10.68	014	LTE				39		510UL	04/03 RFO
78	19	17.66	181	3		DNT	LTE	+10.74	014	LTE				38		510UL	04/03 RFO
		7.82	180	3		DNT	LTE	+12.16	014	LTE				38		510UL	04/03 RFO
		22.34	181	3		DNT	LTE	+7.84	014	LTE				38		510UL	04/03 RFO
78	20	0.60	101	3		NQI	011	+36.40	014	LTE				39		510UL	04/03 RFO
		17.64	183	3		DNT	LTE	+10.54	014	LTE				39		510UL	04/03 RFO
		15.98	183	3		DNT	LTE	+7.42	014	LTE				39		510UL	04/03 RFO
78	21	16.68	181	3		DNT	LTE	+10.77	014	LTE				38		510UL	04/03 RFO
78	34	1.46	77	P	1	NQI	004	-0.79	014	LTE				38		510UL	04/03 RFO
78	42	6.40	182	P	1	DNT	UTS	+0.09	LTE	UTE				158		510UL	04/03 RFO
		0.54	80	P	1	NQI	004	-0.68	LTE	UTE				158		510UL	04/03 RFO
78	44	6.44	182	P	1	DNT	UTS	+0.11	LTE	UTE				158		510UL	04/03 RFO
		0.57	110	3		NQI	004	+6.16	LTE	UTE				158		510UL	04/03 RFO
78	45	6.19	179	P	1	DNT	UTS	+0.00	LTE	UTE				159		510UL	04/03 RFO
78	46	0.47	106	3		NQI	011	+14.13	LTE	UTE				158		510UL	04/03 RFO
78	50	6.52	184	P	1	DNT	UTS	-0.14	LTE	UTE				158		510UL	04/03 RFO
78	52	7.05	182	P	1	DNT	UTS	+0.11	LTE	UTE				158		510UL	04/03 RFO
78	55	6.74	180	P	1	DNT	UTS	+0.02	LTE	UTE				159		510UL	04/03 RFO
78	56	6.32	183	P	1	DNT	UTS	+0.09	LTE	UTE				158		510UL	04/03 RFO
78	58	6.05	186	P	1	DNT	UTS	-0.16	LTE	UTE				158		510UL	04/03 RFO
78	60	6.95	183	P	1	DNT	UTS	+0.09	LTE	UTE				158		510UL	04/03 RFO
78	61	6.06	180	P	1	DNT	UTS	+0.03	UTE	LTE				157		510UL	04/03 RFO
78	64	6.39	181	P	1	DNT	UTS	+0.02	UTE	LTE				157		510UL	04/03 RFO
78	68	10.32	179	P	1	DNT	LTS	-0.02	UTE	LTE				157		510UL	04/03 RFO
78	69	12.79	176	P	1	DNT	LTS	+0.02	UTE	LTE				157		510UL	04/03 RFO
78	70	11.16	173	P	1	DNT	LTS	+0.05	UTE	LTE				157		510UL	04/03 RFO
78	71	7.07	171	P	1	DNT	LTS	+0.02	UTE	LTE				157		510UL	04/03 RFO
78	76	0.35	111	3		NQI	011	+28.51	LTE	UTE				177		510UL	04/03 RFO
78	78	8.75	188	P	1	DNT	LTS	+0.00	LTE	UTE				177		510UL	04/03 RFO
78	79	7.44	177	P	1	DNT	LTS	+0.22	LTE	UTE				178		510UL	04/03 RFO
78	80	6.83	186	P	1	DNT	LTS	+0.00	LTE	UTE				177		510UL	04/03 RFO
78	81	7.02	174	P	1	DNT	LTS	+0.13	LTE	UTE				178		510UL	04/03 RFO
78	82	8.81	186	P	1	DNT	LTS	+0.04	LTE	UTE				177		510UL	04/03 RFO
78	83	1.22	158	3		NQI	013	+20.26	LTE	UTE				178		510UL	04/03 RFO
78	84	8.54	186	P	1	DNT	LTS	-0.11	LTE	UTE				177		510UL	04/03 RFO
78	85	8.12	177	P	1	DNT	LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
		0.56	117	3		NQI	006	+26.84	LTE	UTE				178		510UL	04/03 RFO
78	88	6.41	184	P	1	DNT	LTS	+0.00	LTE	UTE				181		510UL	04/03 RFO
78	89	7.44	177	P	1	DNT	LTS	+0.00	LTE	UTE				182		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
78	99	0.55	103	3	NQI		013	+1.85	TO+7.67	LTE	UTE			182		510UL	04/03 RFO
78	111	0.62	94	P 1	NQI		014	+0.99		LTE	UTE			181		510UL	04/03 RFO
78	114	1.13	133	P 1	NQI		LTS	+0.07		LTE	UTE			182		510UL	04/03 RFO
78	118	0.40	69	3	NQI		013	+12.25		LTE	UTE			181		510UL	04/03 RFO
78	124	0.52	63	P 1	NQI		009	+0.05		LTE	UTE			181		510UL	04/03 RFO
78	125	1.46	119	P 1	NQI		015	+0.00		LTE	UTE			182		510UL	04/03 RFO
79	1	20.59	181	3	DNT		LTE	+11.50		014	LTE			38		510UL	04/03 RFO
79	2	18.01	179	3	DNT		LTE	+11.11		014	LTE			38		510UL	04/03 RFO
79	14	0.59	69	P 1	NQI		007	+0.63		UTE	LTE			21		510UL	04/03 RFO
79	17	0.25	92	3	NQI		015	+38.80		UTE	LTE			21		510UL	04/03 RFO
79	20	6.09	177	P 1	DNT		UTS	+0.00		UTE	LTE			20		510UL	04/03 RFO
79	21	0.21	101	3	NQI		013	+21.21		UTE	LTE			21		510UL	04/03 RFO
79	23	0.92	131	3	NQI		015	+30.31		UTE	LTE			21		510UL	04/03 RFO
		0.43	111	3	NQI		015	+29.79		UTE	LTE			21		510UL	04/03 RFO
		0.28	124	3	NQI		015	+29.44		UTE	LTE			21		510UL	04/03 RFO
79	30	6.07	180	P 1	DNT		UTS	+0.00		UTE	LTE			20		510UL	04/03 RFO
79	35	0.27	66	3	NQI		011	+26.36		UTE	LTE			60		510UL	04/03 RFO
		0.36	64	3	NQI		LTS	+22.30		UTE	LTE			60		510UL	04/03 RFO
79	38	0.60	131	3	NQI		010	+23.34		UTE	LTE			98		510UL	04/03 RFO
79	43	0.68	125	3	NQI		010	+20.83		LTE	UTE			158		510UL	04/03 RFO
79	44	0.77	131	3	NQI		010	+26.59		LTE	UTE			159		510UL	04/03 RFO
79	46	0.40	109	3	NQI		010	+20.60		LTE	UTE			159		510UL	04/03 RFO
79	47	0.49	115	3	NQI		010	+13.80		LTE	UTE			158		510UL	04/03 RFO
79	48	0.70	117	3	NQI		010	+16.52		LTE	UTE			159		510UL	04/03 RFO
		0.36	113	3	NQI		010	+23.49		LTE	UTE			159		510UL	04/03 RFO
79	53	6.30	182	P 1	DNT		UTS	+0.11		LTE	UTE			158		510UL	04/03 RFO
79	55	6.03	181	P 1	DNT		UTS	+0.13		LTE	UTE			158		510UL	04/03 RFO
		0.36	78	3	NQI		015	+33.82		LTE	UTE			158		510UL	04/03 RFO
		0.57	103	3	NQI		011	+26.23	TO+35.09	LTE	UTE			158		510UL	04/03 RFO
		0.80	107	3	NQI		015	+28.69	TO+37.80	LTE	UTE			158		510UL	04/03 RFO
79	72	13.54	178	P 1	DNT		LTS	+0.02		UTE	LTE			157		510UL	04/03 RFO
79	73	9.98	175	P 1	DNT		LTS	+0.07		UTE	LTE			157		510UL	04/03 RFO
79	85	18.17	178	P 1	DNT		LTS	+0.11		LTE	UTE			178		510UL	04/03 RFO
79	86	7.68	185	P 1	DNT		LTS	+0.11		LTE	UTE			177		510UL	04/03 RFO
79	87	6.65	177	P 1	DNT		LTS	+0.00		LTE	UTE			178		510UL	04/03 RFO
79	88	13.77	186	P 1	DNT		LTS	-0.02		LTE	UTE			177		510UL	04/03 RFO
79	89	8.48	174	P 1	DNT		LTS	-0.02		LTE	UTE			178		510UL	04/03 RFO
79	91	6.42	174	P 1	DNT		LTS	+0.02		LTE	UTE			178		510UL	04/03 RFO
79	92	6.49	185	P 1	DNT		LTS	+0.00		LTE	UTE			181		510UL	04/03 RFO
79	128	0.43	121	P 1	NQI		008	+0.59		LTE	UTE			182		510UL	04/03 RFO
79	130	0.42	116	3	NQI		014	+33.00		LTE	UTE			182		510UL	04/03 RFO
80	7	0.38	100	3	NQI		010	+33.24		014	LTE			39		510UL	04/03 RFO
80	8	0.28	78	3	NQI		013	+20.07		014	LTE			38		510UL	04/03 RFO
80	12	0.49	130	3	NQI		011	+8.20		UTE	LTE			21		510UL	04/03 RFO
		0.38	130	3	NQI		011	+5.50		UTE	LTE			21		510UL	04/03 RFO
80	13	0.30	126	3	NQI		011	+7.29		UTE	LTE			21		510UL	04/03 RFO
80	14	0.46	129	3	NQI		011	+5.44		UTE	LTE			24		510UL	04/03 RFO
80	37	0.45	124	3	NQI		010	+19.65		UTE	LTE			98		510UL	04/03 RFO
80	47	0.33	71	3	NQI		012	+7.20		LTE	UTE			159		510UL	04/03 RFO
80	48	1.28	85	6	ADI		014	+10.79		LTE	UTE			158		510UL	04/03 RFO
80	50	0.40	119	3	NQI		010	+13.73		LTE	UTE			158		510UL	04/03 RFO
80	54	0.50	81	3	NQI		015	+43.36		LTE	UTE			158		510UL	04/03 RFO
80	71	4.35	83	6	ADI		005	+30.51		UTE	LTE			157		510UL	04/03 RFO
80	72	7.07	183	P 1	DNT		LTS	-0.09		UTE	LTE			157		510UL	04/03 RFO
80	73	10.22	176	P 1	DNT		LTS	-0.05		UTE	LTE			157		510UL	04/03 RFO
80	74	15.68	176	P 1	DNT		LTS	-0.02		UTE	LTE			157		510UL	04/03 RFO
80	80	0.24	108	3	NQI		011	+33.14		UTE	LTE			157		510UL	04/03 RFO
		0.20	90	3	NQI		008	+17.74		UTE	LTE			157		510UL	04/03 RFO
80	87	10.05	186	P 1	DNT		LTS	+0.07		LTE	UTE			177		510UL	04/03 RFO
80	88	6.91	176	P 1	DNT		LTS	+0.07		LTE	UTE			178		510UL	04/03 RFO
80	89	15.57	187	P 1	DNT		LTS	+0.00		LTE	UTE			177		510UL	04/03 RFO
80	90	7.64	177	P 1	DNT		LTS	+0.02		LTE	UTE			178		510UL	04/03 RFO
80	106	6.29	162	3	DNT		015	+4.21		LTE	UTE			181		510UL	04/03 RFO
		0.98	111	3	NQI		015	-1.27		LTE	UTE			181		510UL	04/03 RFO
		6.29	158	3	DWI		015	+4.21		LTE	UTE			181		510UL	04/03 RFO
		0.60	117	P 1	NQI		015	+0.20		LTE	UTE			181		510UL	04/03 RFO
80	108	0.50	76	3	NQI		010	+7.04		LTE	UTE			181		510UL	04/03 RFO
80	109	1.21	112	P 1	NQI		015	-0.55		LTE	UTE			182		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
80	120	0.17	99	P	1	NQI	014	+1.08	UTE	LTE				185		510UL	04/03 RFO
80	121	0.38	104	3		NQI	007	+20.96	UTE	LTE				185		510UL	04/03 RFO
80	123	0.88	105	3		NQI	014	+1.79	UTE	LTE				185		510UL	04/03 RFO
80	126	0.40	117	P	1	NQI	009	+0.66	LTE	UTE				187		510UL	04/03 RFO
80	130	0.57	111	P	1	NQI	008	-0.51	LTE	UTE				187		510UL	04/03 RFO
		2.55	134	3		NQI	015	+44.11	LTE	UTE				187		510UL	04/03 RFO
		1.53	137	3		NQI	015	+45.58	LTE	UTE				187		510UL	04/03 RFO
81	2	0.76	80	P	1	NQI	012	+0.44	014	LTE				39		510UL	04/03 RFO
81	23	0.38	117	3		NQI	010	+16.15	UTE	LTE				21		510UL	04/03 RFO
81	24	0.31	111	3		NQI	010	+20.71	UTE	LTE				24		510UL	04/03 RFO
81	29	0.73	85	P	1	NQI	010	-0.78	UTE	LTE				24		510UL	04/03 RFO
81	36	0.76	68	P	1	NQI	010	-0.66	UTE	LTE				98		510UL	04/03 RFO
81	37	0.23	90	3		NQI	010	+19.61	UTE	LTE				60		510UL	04/03 RFO
		0.56	75	P	1	NQI	010	-0.78	UTE	LTE				60		510UL	04/03 RFO
81	43	0.23	99	3		NQI	008	+36.09	LTE	UTE				158		510UL	04/03 RFO
		0.26	91	3		NQI	008	+34.99	LTE	UTE				158		510UL	04/03 RFO
81	44	0.33	109	P	1	NQI	010	-0.72	LTE	UTE				159		510UL	04/03 RFO
81	55	0.55	87	3		NQI	015	+42.29	LTE	UTE				158		510UL	04/03 RFO
81	66	167.30	14	P	1	BLG	UTS	-0.07	UTE	LTE				157		510UL	04/03 RFO
		75.11	9	P	1	BLG	LTS	-0.02	UTE	LTE				157		510UL	04/03 RFO
81	71	9.49	181	P	1	DNT	LTS	-0.09	UTE	LTE				157		510UL	04/03 RFO
81	72	8.64	180	P	1	DNT	LTS	-0.05	UTE	LTE				157		510UL	04/03 RFO
81	85	7.29	187	P	1	DNT	LTS	+0.09	LTE	UTE				177		510UL	04/03 RFO
81	86	6.80	176	P	1	DNT	LTS	+0.11	LTE	UTE				178		510UL	04/03 RFO
81	88	9.16	179	P	1	DNT	LTS	+0.02	LTE	UTE				178		510UL	04/03 RFO
81	106	0.56	94	3		NQI	015	+38.79	UTE	LTE				186		510UL	04/03 RFO
81	109	0.77	92	P	1	NQI	015	+0.11	UTE	LTE				185		510UL	04/03 RFO
81	110	0.36	83	3		NQI	010	+10.97	UTE	LTE				186		510UL	04/03 RFO
81	123	0.34	120	P	1	NQI	014	+0.42	UTE	LTE				185		510UL	04/03 RFO
81	124	0.57	107	3		NQI	008	+15.60	LTE	UTE				181		510UL	04/03 RFO
81	129	0.35	93	P	1	NQI	010	+0.92	UTE	LTE				192		510UL	04/03 RFO
82	3	5.81	90	6		ADI	010	+6.78	014	LTE				38		510UL	04/03 RFO
82	5	0.54	88	3		NQI	010	+5.54	014	LTE				38		510UL	04/03 RFO
82	10	0.36	117	3		NQI	007	+7.41	UTE	LTE				21		510UL	04/03 RFO
		0.34	79	3		NQI	010	+13.40	UTE	LTE				21		510UL	04/03 RFO
		0.32	59	3		NQI	010	+12.86	UTE	LTE				21		510UL	04/03 RFO
82	13	0.38	91	3		NQI	010	+15.98	UTE	LTE				21		510UL	04/03 RFO
		0.33	128	3		NQI	002	+20.77	UTE	LTE				21		510UL	04/03 RFO
82	17	0.45	101	3		NQI	010	+17.79	UTE	LTE				21		510UL	04/03 RFO
82	29	0.62	81	P	1	NQI	010	-0.87	UTE	LTE				21		510UL	04/03 RFO
82	31	0.50	77	P	1	NQI	010	-0.69	UTE	LTE				98		510UL	04/03 RFO
82	33	0.40	99	P	1	NQI	010	-0.80	UTE	LTE				98		510UL	04/03 RFO
82	36	0.49	70	P	1	NQI	010	-0.80	UTE	LTE				60		510UL	04/03 RFO
82	44	0.21	100	3		NQI	009	+32.56	UTE	LTE				62		510UL	04/03 RFO
82	47	0.96	83	6		ADI	012	+25.90	UTE	LTE				63		510UL	04/03 RFO
82	53	0.53	85	3		NQI	014	+2.26	LTE	UTE				4		510UL	04/03 RFO
82	57	0.34	109	3		TWD	11 010	+13.35	LTE	UTE				3		510UL	04/03 RFO
		0.82	103	3		NQI	010	+34.62	LTE	UTE				3		510UL	04/03 RFO
82	64	1.23	119	3		NQI	001	+1.18	LTE	UTE				7		510UL	04/03 RFO
82	70	11.92	176	P	1	DNT	LTS	-0.02	UTE	LTE				157		510UL	04/03 RFO
82	71	7.26	168	P	1	DNT	LTS	-0.07	UTE	LTE				157		510UL	04/03 RFO
82	80	1.35	107	P	1	NQI	LTS	+0.20	LTE	UTE				177		510UL	04/03 RFO
82	85	10.11	178	P	1	DNT	LTS	+0.16	LTE	UTE				178		510UL	04/03 RFO
82	87	8.63	178	P	1	DNT	LTS	+0.07	LTE	UTE				178		510UL	04/03 RFO
82	88	7.73	185	P	1	DNT	LTS	+0.07	LTE	UTE				177		510UL	04/03 RFO
82	89	7.02	177	P	1	DNT	LTS	+0.04	LTE	UTE				178		510UL	04/03 RFO
82	98	0.21	102	3		NQI	015	+27.39	UTE	LTE				186		510UL	04/03 RFO
82	99	0.45	119	3		NQI	013	+18.22	UTE	LTE				185		510UL	04/03 RFO
82	104	0.27	102	3		NQI	010	+23.73	UTE	LTE				186		510UL	04/03 RFO
82	106	1.20	127	P	1	NQI	014	-0.83	UTE	LTE				186		510UL	04/03 RFO
		6.17	155	3		NQI	013	+33.23	UTE	LTE				186		510UL	04/03 RFO
		0.68	93	3		NQI	010	+15.44	UTE	LTE				186		510UL	04/03 RFO
82	110	0.23	80	3		NQI	010	+34.22	UTE	LTE				186		510UL	04/03 RFO
82	123	0.46	129	3		NQI	014	+17.52	UTE	LTE				185		510UL	04/03 RFO
82	125	0.73	107	3		NQI	014	+1.70	LTE	UTE				181		510UL	04/03 RFO
		12.61	181	3		DNT	UTS	+3.38	LTE	UTE				181		510UL	04/03 RFO
		10.70	174	3		DNT	UTS	+3.63	LTE	UTE				181		510UL	04/03 RFO
		8.18	178	3		DNT	UTS	+4.19	LTE	UTE				181		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	*TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
83	4	0.88	131	3	NQI		010	-0.83	TO+11.58	014	LTE			38		510UL	04/03 RFO
83	5	0.53	103	3	NQI		010	+6.29		014	LTE			39		510UL	04/03 RFO
83	7	18.05	14	3	PVN		015	+35.83		014	UTE	TUB		801		400SL	04/03 RFO
83	11	0.90	35	P 1	NQI		010	-0.54		UTE	LTE			24		510UL	04/03 RFO
83	12	1.43	44	P 1	NQI		010	-0.63		UTE	LTE			21		510UL	04/03 RFO
83	18	0.21	117	P 1	NQI		008	-0.16		UTE	LTE			21		510UL	04/03 RFO
83	19	0.57	94	P 1	NQI		010	-0.54		UTE	LTE			24		510UL	04/03 RFO
83	22	0.36	83	P 1	NQI		010	-0.82		UTE	LTE			21		510UL	04/03 RFO
83	23	0.71	68	P 1	NQI		010	-0.78		UTE	LTE			24		510UL	04/03 RFO
83	29	0.85	105	P 1	NQI		UTS	+21.30		UTE	LTE			24		510UL	04/03 RFO
83	30	0.72	84	P 1	NQI		UTS	+17.93		UTE	LTE			21		510UL	04/03 RFO
		0.56	86	P 1	NQI		010	-0.84		UTE	LTE			21		510UL	04/03 RFO
83	31	0.62	87	P 1	NQI		010	+0.52		UTE	LTE			62		510UL	04/03 RFO
83	33	0.26	84	3	NQI		012	+34.01		UTE	LTE			62		510UL	04/03 RFO
83	41	0.55	90	P 1	NQI		010	-0.84		UTE	LTE			62		510UL	04/03 RFO
83	54	0.34	103	3	TWD	24	007	+16.66		LTE	UTE			3		510UL	04/03 RFO
83	66	7.65	183	P 1	DNT		LTS	-0.02		LTE	UTE			5		510UL	04/03 RFO
		0.47	107	3	NQI		001	+1.25		LTE	UTE			5		510UL	04/03 RFO
83	70	6.86	183	P 1	DNT		LTS	-0.05		UTE	LTE			157		510UL	04/03 RFO
83	71	3.37	90	3	NQI		008	+23.38		UTE	LTE			157		510UL	04/03 RFO
		11.81	181	P 1	DNT		LTS	-0.05		UTE	LTE			157		510UL	04/03 RFO
83	72	9.69	172	P 1	DNT		LTS	+0.00		UTE	LTE			157		510UL	04/03 RFO
83	77	0.27	79	3	NQI		007	+13.44		UTE	LTE			157		510UL	04/03 RFO
83	79	0.24	95	3	NQI		009	+23.98		UTE	LTE			157		510UL	04/03 RFO
83	82	6.44	193	P 1	DNT		LTS	+0.11		LTE	UTE			177		510UL	04/03 RFO
83	85	6.45	184	P 1	DNT		LTS	+0.07		LTE	UTE			177		510UL	04/03 RFO
83	86	6.95	175	P 1	DNT		LTS	+0.09		LTE	UTE			178		510UL	04/03 RFO
83	87	8.23	185	P 1	DNT		LTS	+0.04		LTE	UTE			177		510UL	04/03 RFO
83	88	7.88	177	P 1	DNT		LTS	+0.00		LTE	UTE			178		510UL	04/03 RFO
83	89	9.79	187	P 1	DNT		LTS	+0.00		LTE	UTE			177		510UL	04/03 RFO
83	90	13.02	178	P 1	DNT		LTS	+0.07		LTE	UTE			178		510UL	04/03 RFO
83	94	9.16	182	P 1	DNT		LTS	-0.13		UTE	LTE			185		510UL	04/03 RFO
83	104	0.58	141	3	NQI		005	+14.38		UTE	LTE			186		510UL	04/03 RFO
83	107	0.42	99	3	NQI		015	+42.95		UTE	LTE			185		510UL	04/03 RFO
83	129	0.29	77	P 1	NQI		009	-0.16		LTE	UTE			181		510UL	04/03 RFO
		3.46	149	3	NQI		015	+45.05		LTE	UTE			181		510UL	04/03 RFO
84	2	0.97	131	3	NQI		010	+3.78	TO+17.73	014	LTE			39		510UL	04/03 RFO
84	17	0.32	87	3	NQI		002	+12.84		UTE	LTE			21		510UL	04/03 RFO
84	23	0.27	90	3	NQI		012	+21.81		UTE	LTE			21		510UL	04/03 RFO
		0.17	75	P 1	NQI		010	-0.29		UTE	LTE			21		510UL	04/03 RFO
84	25	0.24	94	3	NQI		009	+18.46		UTE	LTE			21		510UL	04/03 RFO
84	37	0.33	95	3	NQI		011	+35.99		UTE	LTE			63		510UL	04/03 RFO
84	38	0.31	64	3	NQI		011	+23.04		UTE	LTE			62		510UL	04/03 RFO
84	56	1.92	95	6	ADI		004	+16.48		LTE	UTE			3		510UL	04/03 RFO
		3.23	87	6	ADI		009	+24.55		LTE	UTE			3		510UL	04/03 RFO
84	57	0.44	110	3	NQI		014	+6.26		LTE	UTE			4		510UL	04/03 RFO
84	61	0.27	77	3	NQI		LTS	+13.30		LTE	UTE			4		510UL	04/03 RFO
84	65	6.67	182	P 1	DNT		LTS	+0.00		LTE	UTE			3		510UL	04/03 RFO
84	68	8.31	173	P 1	DNT		LTS	+0.00		UTE	LTE			157		510UL	04/03 RFO
84	69	0.23	82	3	NQI		013	+19.41		UTE	LTE			157		510UL	04/03 RFO
		10.03	174	P 1	DNT		LTS	+0.00		UTE	LTE			157		510UL	04/03 RFO
84	70	14.82	179	P 1	DNT		LTS	+0.02		LTE	UTE			1		510UL	04/03 RFO
84	71	22.42	178	P 1	DNT		LTS	+0.02		UTE	LTE			157		510UL	04/03 RFO
84	72	0.50	87	P 1	NQI		013	+0.47		UTE	LTE			157		510UL	04/03 RFO
		14.20	173	P 1	DNT		LTS	+0.07		UTE	LTE			157		510UL	04/03 RFO
84	74	0.76	106	3	NQI		013	+24.81		UTE	LTE			157		510UL	04/03 RFO
84	85	6.90	181	P 1	DNT		LTS	+0.05		LTE	UTE			177		510UL	04/03 RFO
84	86	6.25	175	P 1	DNT		LTS	+0.11		LTE	UTE			178		510UL	04/03 RFO
84	88	9.24	179	P 1	DNT		LTS	+0.04		LTE	UTE			178		510UL	04/03 RFO
84	89	11.59	185	P 1	DNT		LTS	+0.00		LTE	UTE			177		510UL	04/03 RFO
84	92	7.55	182	P 1	DNT		LTS	-0.04		LTE	UTE			178		510UL	04/03 RFO
84	93	9.31	184	P 1	DNT		LTS	-0.14		UTE	LTE			186		510UL	04/03 RFO
84	94	0.24	115	P 1	NQI		014	+0.20		UTE	LTE			185		510UL	04/03 RFO
84	104	1.17	116	3	NQI		015	+24.40		UTE	LTE			185		510UL	04/03 RFO
84	108	4.47	164	3	NQI		011	+34.84		UTE	LTE			185		510UL	04/03 RFO
		3.28	164	3	NQI		011	+34.32		UTE	LTE			185		510UL	04/03 RFO
84	115	2.04	179	3	DNT		015	+16.62		UTE	LTE			186		510UL	04/03 RFO
		0.43	133	3	DWI		015	+16.90		UTE	LTE			186		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
84	118	6.60	190	3	DNT		LTE	+7.18	UTE	LTE				185		510UL	04/03 RFO
84	120	0.83	45	3	NQI		LTS	+6.05	UTE	LTE				185		510UL	04/03 RFO
84	127	0.71	98	3	NQI		010	+24.79	LTE	UTE				181		510UL	04/03 RFO
		0.67	112	3	NQI		010	+25.69	LTE	UTE				181		510UL	04/03 RFO
		0.43	114	3	NQI		010	+29.69	LTE	UTE				181		510UL	04/03 RFO
		0.48	88	3	NQI		011	+12.20	LTE	UTE				181		510UL	04/03 RFO
		0.51	73	3	NQI		011	+12.58	LTE	UTE				181		510UL	04/03 RFO
		0.43	77	3	NQI		011	+15.93	LTE	UTE				181		510UL	04/03 RFO
		0.43	119	P 1	NQI		006	+0.70	LTE	UTE				181		510UL	04/03 RFO
84	128	4.54	151	3	NQI		015	+44.65	LTE	UTE				181		510UL	04/03 RFO
		1.96	141	3	NQI		015	+44.13	LTE	UTE				181		510UL	04/03 RFO
		3.61	148	3	NQI		015	+42.54	LTE	UTE				181		510UL	04/03 RFO
85	1	2.54	117	6	ADI		010	+7.55	TO+14.54	014	LTE			38		510UL	04/03 RFO
85	3	0.59	128	3	NQI		010	+3.25		014	LTE			38		510UL	04/03 RFO
85	8	0.39	115	3	NQI		012	+8.77	UTE	LTE				24		510UL	04/03 RFO
85	15	0.36	89	3	NQI		009	+22.53	UTE	LTE				21		510UL	04/03 RFO
85	27	0.59	81	P 1	NQI		010	+0.52	UTE	LTE				24		510UL	04/03 RFO
85	60	6.18	177	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
85	62	8.35	177	P 1	DNT		LTS	-0.02	LTE	UTE				190		510BN	04/03 RFO
85	63	8.79	179	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
85	64	10.10	184	P 1	DNT		LTS	+0.02	LTE	UTE				3		510UL	04/03 RFO
85	66	6.48	166	P 1	DNT		LTS	-0.05	UTE	LTE				157		510UL	04/03 RFO
85	67	9.12	171	P 1	DNT		LTS	+0.00	UTE	LTE				157		510UL	04/03 RFO
85	68	12.18	176	P 1	DNT		LTS	+0.07	UTE	LTE				157		510UL	04/03 RFO
85	69	18.50	174	P 1	DNT		LTS	+0.05	UTE	LTE				157		510UL	04/03 RFO
85	70	29.73	177	P 1	DNT		LTS	-0.02	UTE	LTE				157		510UL	04/03 RFO
85	71	0.27	117	3	NQI		012	+30.82	UTE	LTE				157		510UL	04/03 RFO
		17.82	178	P 1	DNT		LTS	+0.05	UTE	LTE				157		510UL	04/03 RFO
85	88	7.94	180	P 1	DNT		LTS	+0.00	LTE	UTE				178		510UL	04/03 RFO
85	89	6.54	185	P 1	DNT		LTS	+0.00	LTE	UTE				177		510UL	04/03 RFO
85	99	0.32	134	P 1	NQI		UTS	+0.57	UTE	LTE				185		510UL	04/03 RFO
85	105	0.78	51	3	NQI		010	+11.35	UTE	LTE				185		510UL	04/03 RFO
85	106	0.35	86	3	NQI		015	+42.18	UTE	LTE				186		510UL	04/03 RFO
85	109	0.84	83	3	NQI		002	+37.29	UTE	LTE				185		510UL	04/03 RFO
85	117	0.20	81	3	NQI		014	+1.28	UTE	LTE				186		510UL	04/03 RFO
85	126	0.37	123	3	NQI		010	+23.80	LTE	UTE				181		510UL	04/03 RFO
		0.65	101	3	NQI		010	+24.78	LTE	UTE				181		510UL	04/03 RFO
86	2	0.77	93	3	NQI		010	+1.29	TO+17.62	014	LTE			39		510UL	04/03 RFO
86	3	0.64	142	3	NQI		010	+5.64		014	LTE			38		510UL	04/03 RFO
		0.94	111	3	NQI		010	+1.94		014	LTE			38		510UL	04/03 RFO
86	20	0.27	70	3	NQI		011	+22.02	UTE	LTE				82		510UL	04/03 RFO
86	37	1.27	16	3	NQI		010	+19.26	UTE	LTE				63		510UL	04/03 RFO
86	40	0.19	69	P 1	NQI		015	-0.09	UTE	LTE				62		510UL	04/03 RFO
86	61	6.13	175	P 1	DNT		LTS	-0.08	LTE	UTE				4		510UL	04/03 RFO
86	63	12.33	183	P 1	DNT		LTS	+0.00	LTE	UTE				3		510UL	04/03 RFO
86	64	23.00	182	P 1	DNT		LTS	+0.04	LTE	UTE				3		510UL	04/03 RFO
86	65	0.90	92	P 1	NQI		UTS	+21.08	LTE	UTE				4		510UL	04/03 RFO
		12.67	174	P 1	DNT		LTS	-0.13	LTE	UTE				4		510UL	04/03 RFO
86	68	6.25	170	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
86	69	9.92	173	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
86	70	19.35	178	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
86	71	18.63	178	P 1	DNT		LTS	+0.00	UTE	LTE				145		510UL	04/03 RFO
86	86	6.18	173	P 1	DNT		LTS	+0.20	LTE	UTE				178		510UL	04/03 RFO
		6.08	188	3	DNT		002	+21.12	LTE	UTE				178		510UL	04/03 RFO
86	87	7.79	184	P 1	DNT		LTS	+0.02	LTE	UTE				177		510UL	04/03 RFO
86	88	6.59	176	P 1	DNT		LTS	-0.02	LTE	UTE				178		510UL	04/03 RFO
86	98	0.30	141	3	NQI		010	+7.83	UTE	LTE				185		510UL	04/03 RFO
86	102	0.37	87	3	NQI		LTS	+34.19	UTE	LTE				185		510UL	04/03 RFO
86	106	0.31	85	3	NQI		015	+40.44	UTE	LTE				185		510UL	04/03 RFO
86	109	4.52	164	3	NQI		011	+34.94	UTE	LTE				186		510UL	04/03 RFO
		3.03	155	3	NQI		010	+31.09	UTE	LTE				186		510UL	04/03 RFO
86	120	0.79	127	P 1	NQI		014	+0.74	UTE	LTE				185		510UL	04/03 RFO
86	125	0.26	97	P 1	NQI		009	+0.27	LTE	UTE				181		510UL	04/03 RFO
86	126	0.60	121	P 1	NQI		006	+0.56	LTE	UTE				181		510UL	04/03 RFO
86	128	0.81	74	P 1	NQI		006	+0.81	LTE	UTE				181		510UL	04/03 RFO
86	129	0.62	110	3	NQI		008	+19.76	LTE	UTE				182		510UL	04/03 RFO
		0.47	103	P 1	NQI		009	-0.56	LTE	UTE				182		510UL	04/03 RFO
87	1	3.41	113	6	ADI		010	+3.68	TO+15.19	014	LTE			38		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
87	17	0.46	151	3	NQI		012	+13.41	UTE	LTE				82		510UL	04/03 RFO
87	40	0.40	117	3	NQI		007	+23.99	UTE	LTE				63		510UL	04/03 RFO
87	43	0.27	87	3	NQI		008	+10.30	UTE	LTE				62		510UL	04/03 RFO
87	53	0.24	107	3	TWD	16	009	+5.21	LTE	UTE				3		510UL	04/03 RFO
87	57	8.67	182	P 1	DNT		LTS	-0.04	LTE	UTE				3		510UL	04/03 RFO
		0.54	112	3	NQI		009	+26.11	LTE	UTE				3		510UL	04/03 RFO
87	60	6.50	181	P 1	DNT		LTS	-0.13	LTE	UTE				4		510UL	04/03 RFO
87	61	9.83	182	P 1	DNT		LTS	+0.00	LTE	UTE				3		510UL	04/03 RFO
87	62	15.84	180	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
87	63	18.25	179	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
87	64	12.65	173	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
87	70	2.76	114	3	NQI		012	+11.27	LTE	UTE				166		510UL	04/03 RFO
87	84	7.21	174	P 1	DNT		LTS	+0.09	LTE	UTE				178		510UL	04/03 RFO
87	86	13.41	178	P 1	DNT		LTS	+0.09	LTE	UTE				178		510UL	04/03 RFO
87	87	7.23	183	P 1	DNT		LTS	-0.15	LTE	UTE				177		510UL	04/03 RFO
87	129	0.41	80	P 1	NQI		LTE	+22.09	LTE	UTE				181		510UL	04/03 RFO
		0.37	109	P 1	NQI		009	-0.32	LTE	UTE				181		510UL	04/03 RFO
88	1	2.13	95	6	ADI		010	+5.21	TO+11.88	014	LTE			38		510UL	04/03 RFO
88	3	1.70	112	6	ADI		010	+1.61	TO+3.86	015	LTE			38		510UL	04/03 RFO
88	24	0.61	142	3	NQI		010	+13.75	UTE	LTE				25		510UL	04/03 RFO
88	27	0.38	130	3	NQI		011	+6.98	UTE	LTE				30		510UL	04/03 RFO
		0.44	142	3	NQI		011	+5.72	UTE	LTE				30		510UL	04/03 RFO
		0.34	109	3	NQI		009	+18.87	UTE	LTE				30		510UL	04/03 RFO
		0.28	85	3	NQI		014	+6.59	UTE	LTE				30		510UL	04/03 RFO
88	56	0.28	68	3	NQI		006	+13.35	LTE	UTE				3		510UL	04/03 RFO
88	58	7.18	178	P 1	DNT		LTS	+0.00	LTE	UTE				3		510UL	04/03 RFO
88	59	13.18	174	P 1	DNT		LTS	-0.15	LTE	UTE				4		510UL	04/03 RFO
88	60	13.11	180	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
88	61	18.75	173	P 1	DNT		LTS	-0.10	LTE	UTE				4		510UL	04/03 RFO
88	62	21.23	182	P 1	DNT		LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
88	63	14.58	172	P 1	DNT		LTS	+0.17	LTE	UTE				4		510UL	04/03 RFO
88	71	0.95	135	3	NQI		010	+19.57	LTE	UTE				174		510UL	04/03 RFO
88	84	6.44	185	P 1	DNT		LTS	+0.11	LTE	UTE				177		510UL	04/03 RFO
88	86	6.85	186	P 1	DNT		LTS	+0.13	LTE	UTE				177		510UL	04/03 RFO
		0.39	59	P 1	NQI		002	+0.16	LTE	UTE				177		510UL	04/03 RFO
88	87	6.71	175	P 1	DNT		LTS	+0.16	LTE	UTE				178		510UL	04/03 RFO
88	95	6.50	187	P 1	DNT		LTS	-0.12	UTE	LTE				184		510UL	04/03 RFO
88	96	8.18	182	P 1	DNT		LTS	-0.17	UTE	LTE				183		510UL	04/03 RFO
88	110	2.90	158	3	NQI		011	+34.18	UTE	LTE				183		510UL	04/03 RFO
88	119	1.12	80	6	ADI		013	+10.88	TO+32.39	UTE	LTE			184		510UL	04/03 RFO
		0.68	73	6	ADI		014	+1.11	TO+6.31	UTE	LTE			184		510UL	04/03 RFO
88	122	0.49	101	3	NQI		011	+7.89	UTE	LTE				183		510UL	04/03 RFO
88	123	3.12	154	3	NQI		015	+40.77	LTE	UTE				181		510UL	04/03 RFO
88	124	2.54	151	3	NQI		015	+44.10	LTE	UTE				182		510UL	04/03 RFO
89	1	0.49	101	3	NQI		010	+5.53	014	LTE				38		510UL	04/03 RFO
		0.76	122	3	NQI		010	+4.63	014	LTE				38		510UL	04/03 RFO
89	3	1.24	130	3	NQI		010	+1.33	014	LTE				38		510UL	04/03 RFO
		0.80	46	3	NQI		009	+37.61	014	LTE				38		510UL	04/03 RFO
89	5	1.01	25	P 1	NQI		009	+0.51	UTE	LTE				25		510UL	04/03 RFO
89	56	6.07	175	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
89	58	7.98	179	P 1	DNT		LTS	+0.20	LTE	UTE				4		510UL	04/03 RFO
89	59	24.75	183	P 1	DNT		LTS	+0.20	LTE	UTE				3		510UL	04/03 RFO
89	60	18.34	174	P 1	DNT		LTS	+0.24	LTE	UTE				4		510UL	04/03 RFO
89	61	11.26	178	P 1	DNT		LTS	+0.20	LTE	UTE				3		510UL	04/03 RFO
89	63	6.00	176	P 1	DNT		LTS	+0.07	LTE	UTE				3		510UL	04/03 RFO
89	66	91.17	11	P 1	BLG		UTS	+0.00	LTE	UTE				189		510UL	04/03 RFO
		203.60	15	P 1	BLG		LTS	+0.00	LTE	UTE				189		510UL	04/03 RFO
89	69	0.26	103	3	NQI		007	+14.74	LTE	UTE				173		510UL	04/03 RFO
89	81	12.67	182	3	DNT		011	+20.59	LTE	UTE				173		510UL	04/03 RFO
89	82	6.13	173	P 1	DNT		LTS	+0.25	LTE	UTE				174		510UL	04/03 RFO
89	83	6.32	177	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
89	84	6.10	173	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
89	87	0.38	90	3	NQI		001	+36.53	LTE	UTE				173		510UL	04/03 RFO
89	95	9.08	188	P 1	DNT		LTS	-0.19	UTE	LTE				184		510UL	04/03 RFO
89	96	8.14	182	P 1	DNT		LTS	-0.20	UTE	LTE				183		510UL	04/03 RFO
89	122	10.68	179	3	DNT		UTS	+9.70	UTE	LTE				183		510UL	04/03 RFO
		9.42	175	3	DNT		UTS	+11.22	UTE	LTE				183		510UL	04/03 RFO
		6.72	177	3	DNT		UTS	+15.96	UTE	LTE				183		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
89	124	6.76	181	3	DNT		UTS	+16.58	UTE	LTE				183		510UL	04/03 RFO
		11.41	186	3	DNT		UTS	+22.31	UTE	LTE				191		510UL	04/03 RFO
		9.95	185	3	DNT		UTS	+21.33	UTE	LTE				191		510UL	04/03 RFO
		6.34	186	3	DNT		UTS	+15.26	UTE	LTE				191		510UL	04/03 RFO
		1.57	167	3	NQI		015	+43.71	UTE	LTE				191		510UL	04/03 RFO
		0.46	89	3	NQI		013	+1.40	UTE	LTE		TO+5.94		191		510UL	04/03 RFO
		0.45	101	3	NQI		012	+6.31	UTE	LTE		TO+32.78		191		510UL	04/03 RFO
		0.35	119	3	NQI		011	+13.16	UTE	LTE				191		510UL	04/03 RFO
		0.48	91	3	NQI		011	+19.50	UTE	LTE		TO+30.89		191		510UL	04/03 RFO
		0.36	133	3	NQI		009	+22.93	UTE	LTE		TO+37.19		191		510UL	04/03 RFO
89	126	0.46	54	P 1	NQI		009	-0.75	LTE	UTE				181		510UL	04/03 RFO
89	127	0.81	104	P 1	NQI		014	+0.89	LTE	UTE				182		510UL	04/03 RFO
89	128	0.50	115	3	NQI		014	+1.32	LTE	UTE				181		510UL	04/03 RFO
90	3	0.52	87	P 1	NQI		010	+0.23	UTE	LTE				30		510UL	04/03 RFO
90	15	0.72	62	P 1	NQI		010	-0.89	UTE	LTE				30		510UL	04/03 RFO
90	47	0.43	103	3	NQI		012	+23.23	UTE	LTE				62		510UL	04/03 RFO
90	54	22.80	182	3	DNT		005	+22.62	LTE	UTE				4		510UL	04/03 RFO
		9.68	184	3	DNT		005	+23.76	LTE	UTE				4		510UL	04/03 RFO
90	58	21.53	173	P 1	DNT		LTS	+0.07	LTE	UTE				4		510UL	04/03 RFO
90	59	16.68	186	P 1	DNT		LTS	+0.13	LTE	UTE				2		510UL	04/03 RFO
90	60	7.46	172	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
90	66	8.66	176	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
90	67	6.68	174	P 1	DNT		LTS	+0.11	LTE	UTE				173		510UL	04/03 RFO
90	74	6.31	178	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
90	75	0.25	71	3	NQI		005	+31.31	LTE	UTE				173		510UL	04/03 RFO
		0.28	117	3	NQI		005	+32.51	LTE	UTE				173		510UL	04/03 RFO
		0.45	122	3	NQI		006	+17.05	LTE	UTE				173		510UL	04/03 RFO
		0.29	93	3	NQI		006	+37.69	LTE	UTE				173		510UL	04/03 RFO
90	76	6.53	171	P 1	DNT		LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
90	79	7.04	178	P 1	DNT		LTS	+0.27	LTE	UTE				173		510UL	04/03 RFO
90	80	7.14	171	P 1	DNT		LTS	+0.20	LTE	UTE				174		510UL	04/03 RFO
90	81	6.97	184	P 1	DNT		LTS	+0.27	LTE	UTE				173		510UL	04/03 RFO
90	82	8.64	176	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
90	83	8.80	180	P 1	DNT		LTS	+0.09	LTE	UTE				173		510UL	04/03 RFO
90	84	6.13	176	P 1	DNT		LTS	+0.11	LTE	UTE				174		510UL	04/03 RFO
90	85	0.38	71	3	NQI		002	+27.28	LTE	UTE				173		510UL	04/03 RFO
90	91	0.50	119	3	NQI		015	+16.24	LTE	UTE				174		510UL	04/03 RFO
		0.25	103	3	NQI		015	+19.36	LTE	UTE				174		510UL	04/03 RFO
90	94	0.32	98	3	NQI		007	+14.69	UTE	LTE				184		510UL	04/03 RFO
		10.18	187	P 1	DNT		LTS	+0.00	UTE	LTE				184		510UL	04/03 RFO
90	95	8.77	182	P 1	DNT		LTS	-0.29	UTE	LTE				183		510UL	04/03 RFO
90	98	0.43	113	3	NQI		015	+33.01	UTE	LTE				184		510UL	04/03 RFO
90	114	0.31	94	3	NQI		014	+23.72	UTE	LTE				183		510UL	04/03 RFO
90	126	0.62	69	P 1	NQI		009	-0.72	LTE	UTE				181		510UL	04/03 RFO
91	1	0.30	83	P 1	NQI		015	-0.12	UTE	LTE				30		510UL	04/03 RFO
		0.81	117	4	TWD	14	010	+8.63	UTE	LTE				30		510UL	04/03 RFO
91	37	0.29	102	3	NQI		LTS	+37.46	UTE	LTE				62		510UL	04/03 RFO
91	45	2.31	18	3	NQI		015	+35.97	UTE	LTE				63		510UL	04/03 RFO
91	56	6.46	169	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
91	57	9.66	177	P 1	DNT		LTS	+0.09	LTE	UTE				3		510UL	04/03 RFO
91	58	0.93	120	3	NQI		010	+31.07	LTE	UTE				4		510UL	04/03 RFO
		12.63	175	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
91	59	8.10	177	P 1	DNT		LTS	+0.11	LTE	UTE				3		510UL	04/03 RFO
91	60	9.50	164	P 1	DNT		LTS	+0.22	LTE	UTE				4		510UL	04/03 RFO
91	64	7.34	177	P 1	DNT		LTS	+0.11	LTE	UTE				173		510UL	04/03 RFO
91	65	8.88	174	P 1	DNT		LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
91	66	6.00	172	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
91	71	9.06	182	3	DNT		LTE	+7.17	LTE	UTE				174		510UL	04/03 RFO
91	72	7.12	193	P 1	DNT		LTS	+0.20	LTE	UTE				173		510UL	04/03 RFO
91	73	7.68	178	P 1	DNT		LTS	+0.20	LTE	UTE				174		510UL	04/03 RFO
91	78	7.92	179	P 1	DNT		LTS	+0.25	LTE	UTE				173		510UL	04/03 RFO
91	79	7.29	175	P 1	DNT		LTS	+0.22	LTE	UTE				174		510UL	04/03 RFO
91	80	8.83	181	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
91	81	7.66	176	P 1	DNT		LTS	+0.11	LTE	UTE				174		510UL	04/03 RFO
91	82	6.84	177	P 1	DNT		LTS	+0.09	LTE	UTE				173		510UL	04/03 RFO
		0.57	42	P 1	NQI		004	-0.79	LTE	UTE				173		510UL	04/03 RFO
91	88	0.33	80	3	NQI		009	+35.33	LTE	UTE				173		510UL	04/03 RFO
		0.47	67	3	NQI		012	+6.42	LTE	UTE				173		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
91	108	0.43	99	3	NQI		005	+6.99	UTE	LTE				184		510UL	04/03 RFO
91	123	0.69	65	P 1	NQI		010	+0.38	LTE	UTE				181		510UL	04/03 RFO
		0.97	111	P 1	NQI		009	-0.61	LTE	UTE				181		510UL	04/03 RFO
92	2	0.51	115	3	NQI		010	+3.96	UTE	LTE				30		510UL	04/03 RFO
92	3	0.38	48	P 1	NQI		010	+0.70	UTE	LTE				25		510UL	04/03 RFO
92	17	0.40	52	3	NQI		010	+3.21	UTE	LTE				25		510UL	04/03 RFO
92	57	6.30	177	P 1	DNT		LTS	+0.09	LTE	UTE				3		510UL	04/03 RFO
92	59	18.41	180	P 1	DNT		LTS	+0.13	LTE	UTE				3		510UL	04/03 RFO
92	60	20.88	175	P 1	DNT		LTS	+0.15	LTE	UTE				4		510UL	04/03 RFO
92	61	11.53	179	P 1	DNT		LTS	+0.22	LTE	UTE				3		510UL	04/03 RFO
92	62	15.25	176	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
92	67	6.41	175	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
92	71	7.20	184	P 1	DNT		LTS	+0.29	LTE	UTE				173		510UL	04/03 RFO
92	72	6.10	169	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
92	74	7.60	175	P 1	DNT		LTS	+0.31	LTE	UTE				174		510UL	04/03 RFO
92	75	9.68	186	P 1	DNT		LTS	+0.34	LTE	UTE				173		510UL	04/03 RFO
92	76	9.00	174	P 1	DNT		LTS	+0.20	LTE	UTE				174		510UL	04/03 RFO
92	77	14.15	183	P 1	DNT		LTS	+0.20	LTE	UTE				173		510UL	04/03 RFO
92	78	15.13	176	P 1	DNT		LTS	+0.22	LTE	UTE				174		510UL	04/03 RFO
92	79	11.54	178	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
92	80	7.79	175	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
		0.30	85	3	NQI		013	+28.29	LTE	UTE				174		510UL	04/03 RFO
		0.90	38	P 1	NQI		UTS	+13.43	LTE	UTE				174		510UL	04/03 RFO
92	81	7.81	172	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
92	82	9.73	177	P 1	DNT		LTS	+0.11	LTE	UTE				174		510UL	04/03 RFO
92	83	9.34	181	P 1	DNT		LTS	+0.11	LTE	UTE				173		510UL	04/03 RFO
92	84	6.00	173	P 1	DNT		LTS	+0.02	LTE	UTE				174		510UL	04/03 RFO
92	86	6.26	179	P 1	DNT		LTS	-0.02	LTE	UTE				174		510UL	04/03 RFO
92	88	0.58	108	P 1	NQI		015	+0.34	LTE	UTE				174		510UL	04/03 RFO
92	102	8.28	196	P 1	DNT		LTE	+3.79	UTE	LTE				184		510UL	04/03 RFO
92	124	10.69	192	3	DNT		LTE	+5.54	LTE	UTE				181		510UL	04/03 RFO
		3.25	15	3	CHT		013	+2.58	LTE	UTE	TO+31.35			181		510UL	04/03 RFO
		4.48	12	3	CHT		014	+3.20	LTE	UTE	TO+31.21			181		510UL	04/03 RFO
		4.56	13	3	CHT		015	+3.10	LTE	UTE	TO+43.59			181		510UL	04/03 RFO
		4.54	6	3	CHT		UTS	+3.43	LTE	UTE	TO+19.96			181		510UL	04/03 RFO
		12.44	13	3	CHT		005	+0.00	LTE	UTE	TO+22.07			181		510UL	04/03 RFO
		3.19	10	3	CHT		012	+22.23	LTE	UTE	TO+31.42			181		510UL	04/03 RFO
92	125	0.30	82	P 1	NQI		010	+0.29	LTE	UTE				182		510UL	04/03 RFO
92	128	0.97	92	3	NQI		008	+35.46	LTE	UTE				181		510UL	04/03 RFO
92	129	0.56	68	P 1	NQI		007	-0.75	LTE	UTE				182		510UL	04/03 RFO
93	28	0.23	98	3	NQI		013	+17.69	UTE	LTE				63		510UL	04/03 RFO
93	48	1.22	22	3	NQI		008	+19.43	LTE	UTE				3		510UL	04/03 RFO
93	49	0.86	101	3	NQI		008	+19.40	LTE	UTE				4		510UL	04/03 RFO
		0.68	77	P 1	NQI		UTS	+19.98	LTE	UTE				4		510UL	04/03 RFO
93	54	9.95	178	P 1	DNT		LTS	+0.09	LTE	UTE				3		510UL	04/03 RFO
93	55	0.37	134	3	NQI		008	+12.68	LTE	UTE				4		510UL	04/03 RFO
		0.22	92	3	NQI		008	+32.65	LTE	UTE				4		510UL	04/03 RFO
		6.56	166	P 1	DNT		LTS	-0.17	LTE	UTE				4		510UL	04/03 RFO
93	57	15.43	175	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
93	58	17.26	182	P 1	DNT		LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
93	59	10.30	170	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
93	60	12.30	179	P 1	DNT		LTS	+0.17	LTE	UTE				3		510UL	04/03 RFO
93	61	7.74	160	P 1	DNT		LTS	+0.00	LTE	UTE				4		510UL	04/03 RFO
93	65	6.32	174	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
93	66	6.13	168	P 1	DNT		LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
93	71	6.18	180	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
93	72	10.75	183	P 1	DNT		LTS	+0.29	LTE	UTE				174		510UL	04/03 RFO
93	73	22.83	185	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
93	74	11.45	176	P 1	DNT		LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
93	76	16.68	181	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
93	77	7.48	177	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
93	78	8.25	178	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
93	79	6.91	174	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
93	80	10.69	181	P 1	DNT		LTS	+0.14	LTE	UTE				173		510UL	04/03 RFO
93	81	12.49	176	P 1	DNT		LTS	+0.09	LTE	UTE				174		510UL	04/03 RFO
93	101	1.21	45	3	NQI		015	+42.86	UTE	LTE				184		510UL	04/03 RFO
93	109	0.54	119	3	NQI		014	+1.05	UTE	LTE				184		510UL	04/03 RFO
		0.75	103	P 1	NQI		014	+0.80	UTE	LTE				184		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
93	118	0.53	135	3	NQI		015	+44.52	UTE	LTE				183		510UL	04/03 RFO
		0.48	95	P 1	NQI		014	+0.98	UTE	LTE				183		510UL	04/03 RFO
94	2	6.45	175	P 1	DNT		010	-0.43	UTE	LTE				30		510UL	04/03 RFO
94	3	0.41	89	P 1	NQI		010	+0.63	UTE	LTE				25		510UL	04/03 RFO
94	54	6.36	180	P 1	DNT		LTS	-0.09	LTE	UTE				5		510UL	04/03 RFO
94	57	6.01	158	P 1	DNT		LTS	+0.11	LTE	UTE				10		510BN	04/03 RFO
94	60	6.91	175	P 1	DNT		LTS	+0.09	LTE	UTE				7		510UL	04/03 RFO
94	61	8.34	174	P 1	DNT		LTS	+0.18	LTE	UTE				8		510UL	04/03 RFO
94	62	6.97	173	P 1	DNT		LTS	+0.12	LTE	UTE				7		510UL	04/03 RFO
94	66	0.61	126	P 1	NQI		UTS	+21.34	LTE	UTE				174		510UL	04/03 RFO
94	71	7.58	189	3	DNT		003	+17.44	LTE	UTE				173		510UL	04/03 RFO
94	72	0.43	116	P 1	NQI		LTE	+3.44	LTE	UTE				174		510UL	04/03 RFO
94	73	0.35	111	3	NQI		006	+23.34	LTE	UTE				173		510UL	04/03 RFO
		8.24	181	P 1	DNT		LTS	+0.27	LTE	UTE				173		510UL	04/03 RFO
94	74	19.61	175	P 1	DNT		LTS	+0.20	LTE	UTE				174		510UL	04/03 RFO
94	75	40.17	185	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
94	76	25.60	174	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
94	77	11.97	181	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
94	78	10.61	175	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
94	79	9.74	181	P 1	DNT		LTS	+0.14	LTE	UTE				173		510UL	04/03 RFO
94	80	12.69	173	P 1	DNT		LTS	+0.20	LTE	UTE				174		510UL	04/03 RFO
94	81	10.69	179	P 1	DNT		LTS	+0.09	LTE	UTE				173		510UL	04/03 RFO
94	82	16.59	173	P 1	DNT		LTS	+0.04	LTE	UTE				174		510UL	04/03 RFO
94	83	17.89	181	P 1	DNT		LTS	+0.05	LTE	UTE				173		510UL	04/03 RFO
94	84	7.65	175	P 1	DNT		LTS	+0.07	LTE	UTE				174		510UL	04/03 RFO
94	103	0.20	103	3	NQI		009	+35.17	UTE	LTE				183		510UL	04/03 RFO
94	117	0.37	118	3	NQI		001	+17.80 TO+18.84	UTE	LTE				183		510UL	04/03 RFO
94	119	0.46	135	3	NQI		014	+3.32	UTE	LTE				183		510UL	04/03 RFO
94	122	0.33	91	P 1	NQI		014	+1.03	UTE	LTE				183		510UL	04/03 RFO
		0.36	121	3	NQI		015	+27.06	UTE	LTE				183		510UL	04/03 RFO
95	50	0.76	36	P 1	NQI		003	+0.46	LTE	UTE				10		510BN	04/03 RFO
95	55	6.15	179	P 1	DNT		LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
		0.27	92	3	NQI		LTS	+14.59	LTE	UTE				5		510UL	04/03 RFO
95	58	6.05	177	P 1	DNT		LTS	+0.13	LTE	UTE				5		510UL	04/03 RFO
95	63	0.88	52	P 1	NQI		006	+0.86	LTE	UTE				8		510UL	04/03 RFO
95	65	6.47	176	P 1	DNT		LTS	+0.14	LTE	UTE				173		510UL	04/03 RFO
95	67	7.07	176	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
95	68	8.29	177	P 1	DNT		LTS	+0.13	LTE	UTE				173		510UL	04/03 RFO
95	70	3.10	62	6	ADI		003	+29.50	LTE	UTE				173		510UL	04/03 RFO
95	71	6.02	173	P 1	DNT		LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
95	72	7.09	177	P 1	DNT		LTS	+0.14	LTE	UTE				173		510UL	04/03 RFO
95	73	19.72	179	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
95	74	34.94	184	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
95	75	19.71	178	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
95	76	7.70	177	P 1	DNT		LTS	+0.23	LTE	UTE				173		510UL	04/03 RFO
95	77	11.24	179	P 1	DNT		LTS	+0.20	LTE	UTE				174		510UL	04/03 RFO
95	78	19.81	182	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
95	79	8.93	179	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
95	80	10.89	182	P 1	DNT		LTS	+0.14	LTE	UTE				173		510UL	04/03 RFO
95	81	17.99	178	P 1	DNT		LTS	+0.09	LTE	UTE				174		510UL	04/03 RFO
95	82	9.27	180	P 1	DNT		LTS	+0.05	LTE	UTE				173		510UL	04/03 RFO
95	83	6.83	176	P 1	DNT		LTS	+0.04	LTE	UTE				174		510UL	04/03 RFO
95	85	0.62	110	P 1	NQI		UTS	+19.80	LTE	UTE				174		510UL	04/03 RFO
95	114	0.40	112	3	NQI		015	+40.69	UTE	LTE				183		510UL	04/03 RFO
95	127	7.00	186	3	DNT		001	+31.94	LTE	UTE				181		510UL	04/03 RFO
95	128	0.44	122	P 1	NQI		008	-0.45	LTE	UTE				182		510UL	04/03 RFO
96	2	0.89	107	P 1	NQI		010	+0.49	UTE	LTE				30		510UL	04/03 RFO
96	40	0.23	81	3	NQI		011	+19.04	UTE	LTE				62		510UL	04/03 RFO
96	59	6.36	172	P 1	DNT		LTS	+0.16	LTE	UTE				7		510UL	04/03 RFO
96	61	7.16	172	P 1	DNT		LTS	+0.21	LTE	UTE				7		510UL	04/03 RFO
96	62	0.33	72	3	NQI		006	+3.61	LTE	UTE				8		510UL	04/03 RFO
96	63	6.16	175	P 1	DNT		LTS	+0.19	LTE	UTE				7		510UL	04/03 RFO
96	64	0.28	86	3	NQI		LTS	+12.61	LTE	UTE				173		510UL	04/03 RFO
		10.61	179	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
96	65	9.03	179	P 1	DNT		LTS	+0.18	LTE	UTE				174		510UL	04/03 RFO
96	66	8.93	177	P 1	DNT		LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
96	67	8.92	179	P 1	DNT		LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
96	68	13.26	181	P 1	DNT		LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
96	69	8.28	177	P	1	DNT	LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
96	70	6.10	173	P	1	DNT	LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
96	71	6.56	178	P	1	DNT	LTS	+0.11	LTE	UTE				174		510UL	04/03 RFO
96	72	8.49	183	P	1	DNT	LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
96	73	11.69	177	P	1	DNT	LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
96	74	8.29	179	P	1	DNT	LTS	+0.16	LTE	UTE				173		510UL	04/03 RFO
96	75	10.72	178	P	1	DNT	LTS	+0.13	LTE	UTE				174		510UL	04/03 RFO
		8.14	183	3		DNT	UTS	+20.05	LTE	UTE				174		510UL	04/03 RFO
96	76	16.39	183	P	1	DNT	LTS	+0.18	LTE	UTE				173		510UL	04/03 RFO
96	78	16.08	182	P	1	DNT	LTS	+0.20	LTE	UTE				173		510UL	04/03 RFO
96	79	9.12	178	P	1	DNT	LTS	+0.09	LTE	UTE				174		510UL	04/03 RFO
96	80	9.92	186	P	1	DNT	LTS	+0.07	LTE	UTE				173		510UL	04/03 RFO
96	81	7.94	180	P	1	DNT	LTS	+0.00	LTE	UTE				174		510UL	04/03 RFO
96	122	0.37	108	3		NQI	015	+30.64	UTE	LTE				180		510UL	04/03 RFO
96	127	0.78	129	P	1	NQI	008	-0.38	LTE	UTE				182		510UL	04/03 RFO
		0.95	134	P	1	NQI	008	-0.61	LTE	UTE				182		510UL	04/03 RFO
97	2	0.45	91	P	1	NQI	010	+0.64	UTE	LTE				18		510UL	04/03 RFO
97	56	11.41	183	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
97	57	8.00	182	P	1	DNT	LTS	+0.04	LTE	UTE				5		510UL	04/03 RFO
97	60	6.83	173	P	1	DNT	LTS	+0.09	LTE	UTE				7		510UL	04/03 RFO
97	61	0.32	92	3		NQI	014	+15.92	LTE	UTE				8		510UL	04/03 RFO
97	65	9.82	178	P	1	DNT	LTS	+0.16	LTE	UTE				174		510UL	04/03 RFO
97	66	6.51	181	P	1	DNT	LTS	+0.16	LTE	UTE				169		510UL	04/03 RFO
97	67	8.23	183	P	1	DNT	LTS	+0.18	LTE	UTE				169		510UL	04/03 RFO
97	68	7.76	183	P	1	DNT	LTS	+0.18	LTE	UTE				169		510UL	04/03 RFO
97	69	8.32	184	P	1	DNT	LTS	+0.16	LTE	UTE				169		510UL	04/03 RFO
97	71	6.11	183	P	1	DNT	LTS	+0.11	LTE	UTE				169		510UL	04/03 RFO
97	72	7.52	184	P	1	DNT	LTS	+0.18	LTE	UTE				169		510UL	04/03 RFO
97	73	6.98	185	P	1	DNT	LTS	+0.11	LTE	UTE				169		510UL	04/03 RFO
97	74	8.25	186	P	1	DNT	LTS	+0.11	LTE	UTE				169		510UL	04/03 RFO
97	75	11.49	185	P	1	DNT	LTS	+0.16	LTE	UTE				169		510UL	04/03 RFO
97	76	16.33	182	P	1	DNT	LTS	+0.16	LTE	UTE				169		510UL	04/03 RFO
97	77	13.25	184	P	1	DNT	LTS	+0.13	LTE	UTE				169		510UL	04/03 RFO
97	78	12.98	182	P	1	DNT	LTS	+0.07	LTE	UTE				169		510UL	04/03 RFO
97	79	0.28	85	3		NQI	008	+23.16	LTE	UTE				169		510UL	04/03 RFO
		7.82	187	P	1	DNT	LTS	+0.04	LTE	UTE				169		510UL	04/03 RFO
97	80	6.01	179	P	1	DNT	LTS	-0.02	LTE	UTE				169		510UL	04/03 RFO
97	81	0.29	88	3		NQI	001	+10.92	LTE	UTE				169		510UL	04/03 RFO
97	107	0.23	85	3		NQI	007	+19.66	UTE	LTE				180		510UL	04/03 RFO
97	120	0.29	92	3		NQI	001	+6.42	UTE	LTE				180		510UL	04/03 RFO
98	9	0.38	93	3		NQI	012	+5.13	UTE	LTE				18		510UL	04/03 RFO
		0.32	91	3		NQI	010	+15.11	UTE	LTE				18		510UL	04/03 RFO
		0.32	85	3		NQI	009	+35.77	UTE	LTE				18		510UL	04/03 RFO
98	52	0.54	48	P	1	NQI	006	+0.84	LTE	UTE				10		510BN	04/03 RFO
98	56	9.32	174	P	1	DNT	LTS	+0.00	LTE	UTE				10		510BN	04/03 RFO
		0.58	54	P	1	NQI	006	+0.88	LTE	UTE				10		510BN	04/03 RFO
98	57	12.46	182	P	1	DNT	LTS	+0.09	LTE	UTE				5		510UL	04/03 RFO
98	58	10.51	171	P	1	DNT	LTS	-0.21	LTE	UTE				10		510BN	04/03 RFO
98	59	8.91	178	P	1	DNT	LTS	+0.00	LTE	UTE				5		510UL	04/03 RFO
98	64	7.80	183	P	1	DNT	LTS	+0.16	LTE	UTE				169		510UL	04/03 RFO
98	65	8.11	180	P	1	DNT	LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
98	66	0.35	124	3		NQI	011	+17.81	LTE	UTE				169		510UL	04/03 RFO
98	67	9.85	177	P	1	DNT	LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
98	70	8.47	179	P	1	DNT	LTS	+0.11	LTE	UTE				170		510UL	04/03 RFO
98	71	6.11	185	P	1	DNT	LTS	+0.16	LTE	UTE				169		510UL	04/03 RFO
98	72	7.10	179	P	1	DNT	LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
98	73	10.25	180	P	1	DNT	LTS	+0.11	LTE	UTE				169		510UL	04/03 RFO
98	75	8.39	185	P	1	DNT	LTS	+0.27	LTE	UTE				169		510UL	04/03 RFO
98	76	16.70	183	P	1	DNT	LTS	+0.07	LTE	UTE				170		510UL	04/03 RFO
98	77	12.98	184	P	1	DNT	LTS	+0.11	LTE	UTE				169		510UL	04/03 RFO
98	78	9.62	174	P	1	DNT	LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
98	82	6.02	173	P	1	DNT	LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
98	104	0.30	54	P	1	NQI	010	+0.17	UTE	LTE				180		510UL	04/03 RFO
		0.50	127	3		NQI	007	+6.99	UTE	LTE				180		510UL	04/03 RFO
99	1	0.56	127	3		NQI	010	+10.53	UTE	LTE				19		510UL	04/03 RFO
		0.63	146	3		NQI	010	+8.77	UTE	LTE				19		510UL	04/03 RFO
99	6	0.34	97	3		NQI	012	+35.36	UTE	LTE				19		510UL	04/03 RFO
99	41	0.55	78	P	1	NQI	013	+0.14	UTE	LTE				68		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
99	44	0.34	110	3	NQI		007	+16.12	UTE	LTE				67		510UL	04/03 RFO
99	56	6.15	187	P 1	DNT		LTS	-0.02	UTE	LTE				82		510UL	04/03 RFO
99	57	6.12	183	P 1	DNT		LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
99	58	12.20	175	P 1	DNT		LTS	+0.04	UTE	LTE				82		510UL	04/03 RFO
99	62	7.10	184	P 1	DNT		LTS	+0.11	LTE	UTE				154		510UL	04/03 RFO
99	63	6.83	181	P 1	DNT		LTS	+0.00	LTE	UTE				169		510UL	04/03 RFO
99	64	10.42	175	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	66	7.04	179	P 1	DNT		LTS	-0.41	LTE	UTE				170		510UL	04/03 RFO
99	67	0.43	126	3	NQI		006	+8.40	LTE	UTE				169		510UL	04/03 RFO
		0.77	105	3	NQI		015	+27.54	LTE	UTE				169		510UL	04/03 RFO
		0.59	110	3	NQI		015	+29.92	LTE	UTE				169		510UL	04/03 RFO
		0.60	108	3	NQI		015	+33.06	LTE	UTE				169		510UL	04/03 RFO
99	68	10.44	173	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	70	6.44	174	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	72	8.98	176	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	73	6.37	182	P 1	DNT		LTS	+0.00	LTE	UTE				169		510UL	04/03 RFO
99	74	7.62	180	P 1	DNT		LTS	+0.02	LTE	UTE				170		510UL	04/03 RFO
99	75	6.76	184	P 1	DNT		LTS	+0.02	LTE	UTE				169		510UL	04/03 RFO
99	76	8.46	176	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	77	8.22	183	P 1	DNT		LTS	+0.02	LTE	UTE				169		510UL	04/03 RFO
99	78	7.21	182	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	80	6.34	180	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
99	83	0.24	96	3	NQI		009	+2.59	LTE	UTE				169		510UL	04/03 RFO
99	86	0.25	76	3	NQI		012	+8.35	LTE	UTE				170		510UL	04/03 RFO
99	91	0.20	87	3	NQI		008	+19.13	UTE	LTE				179		510UL	04/03 RFO
99	107	0.16	96	3	NQI		009	+28.11	UTE	LTE				179		510UL	04/03 RFO
99	115	0.29	102	3	NQI		011	+26.38	UTE	LTE				179		510UL	04/03 RFO
99	126	0.77	123	P 1	NQI		008	-0.54	LTE	UTE				182		510UL	04/03 RFO
100	35	0.31	117	3	NQI		004	+18.64	UTE	LTE				67		510UL	04/03 RFO
100	43	0.74	101	P 1	NQI		013	+0.76	UTE	LTE				67		510UL	04/03 RFO
100	60	8.16	172	P 1	DNT		LTS	+0.00	UTE	LTE				82		510UL	04/03 RFO
100	61	8.23	178	P 1	DNT		LTS	-0.19	LTE	UTE				155		510UL	04/03 RFO
100	62	6.12	187	P 1	DNT		LTS	-0.08	LTE	UTE				154		510UL	04/03 RFO
100	63	7.80	180	P 1	DNT		LTS	+0.29	LTE	UTE				169		510UL	04/03 RFO
100	64	8.61	180	P 1	DNT		LTS	+0.22	LTE	UTE				165		510UL	04/03 RFO
100	65	7.54	179	P 1	DNT		LTS	+0.04	LTE	UTE				166		510UL	04/03 RFO
100	67	6.57	180	P 1	DNT		LTS	+0.09	LTE	UTE				166		510UL	04/03 RFO
100	69	0.43	89	3	NQI		006	+12.45	LTE	UTE				166		510UL	04/03 RFO
100	70	6.96	184	P 1	DNT		LTS	+0.07	LTE	UTE				165		510UL	04/03 RFO
100	71	10.96	182	P 1	DNT		LTS	+0.07	LTE	UTE				166		510UL	04/03 RFO
100	72	7.16	181	P 1	DNT		LTS	+0.07	LTE	UTE				165		510UL	04/03 RFO
100	73	7.59	180	P 1	DNT		LTS	+0.07	LTE	UTE				166		510UL	04/03 RFO
100	74	8.27	182	P 1	DNT		LTS	+0.04	LTE	UTE				165		510UL	04/03 RFO
		0.32	79	3	NQI		014	+16.24	LTE	UTE				165		510UL	04/03 RFO
100	77	7.18	181	P 1	DNT		LTS	+0.02	LTE	UTE				166		510UL	04/03 RFO
100	79	6.28	180	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
100	81	6.08	174	P 1	DNT		LTS	+0.00	LTE	UTE				170		510UL	04/03 RFO
		0.33	86	3	NQI		014	+3.21	LTE	UTE				170		510UL	04/03 RFO
100	120	0.26	104	3	NQI		011	+34.84	UTE	LTE				179		510UL	04/03 RFO
		0.24	89	3	NQI		010	+6.38	UTE	LTE				179		510UL	04/03 RFO
100	125	0.47	123	P 1	NQI		008	-0.59	LTE	UTE				182		510UL	04/03 RFO
101	1	0.86	127	3	NQI		010	+6.83	UTE	LTE				19		510UL	04/03 RFO
101	4	0.92	90	P 1	NQI		009	-0.24	UTE	LTE				19		510UL	04/03 RFO
101	21	0.36	108	3	NQI		012	+10.61	UTE	LTE				19		510UL	04/03 RFO
101	44	0.52	57	P 1	NQI		014	+0.45	UTE	LTE				68		510UL	04/03 RFO
101	63	7.79	184	P 1	DNT		LTS	+0.22	LTE	UTE				165		510UL	04/03 RFO
101	64	6.63	176	P 1	DNT		LTS	+0.04	LTE	UTE				166		510UL	04/03 RFO
101	66	6.97	176	P 1	DNT		LTS	+0.02	LTE	UTE				166		510UL	04/03 RFO
		0.55	105	3	NQI		013	+15.78	LTE	UTE				166		510UL	04/03 RFO
101	69	7.13	180	P 1	DNT		LTS	+0.04	LTE	UTE				166		510UL	04/03 RFO
101	71	8.85	182	P 1	DNT		LTS	+0.04	LTE	UTE				166		510UL	04/03 RFO
101	73	7.94	178	P 1	DNT		LTS	+0.00	LTE	UTE				166		510UL	04/03 RFO
101	75	6.54	178	P 1	DNT		LTS	+0.02	LTE	UTE				166		510UL	04/03 RFO
101	79	6.56	178	P 1	DNT		LTS	+0.04	LTE	UTE				166		510UL	04/03 RFO
101	120	1.24	122	3	NQI		014	+33.62	UTE	LTE				179		510UL	04/03 RFO
101	122	0.42	89	P 1	NQI		009	-0.60	UTE	LTE				179		510UL	04/03 RFO
		0.71	89	P 1	NQI		UTS	+21.31	UTE	LTE				179		510UL	04/03 RFO
102	2	0.43	112	P 1	NQI		010	+0.55	UTE	LTE				14		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	*TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
102	7	0.57	67	P 1	NQI		LTE	+20.70	UTE	LTE				15		510UL	04/03 RFO
102	20	0.45	96	3	NQI		013	+21.63	UTE	LTE				18		510UL	04/03 RFO
102	39	0.58	72	P 1	NQI		014	-0.36	UTE	LTE				68		510UL	04/03 RFO
102	63	6.54	179	P 1	DNT		LTS	-0.04	LTE	UTE				166		510UL	04/03 RFO
102	74	2.47	11	3	NQI		013	+25.76	LTE	UTE				165		510UL	04/03 RFO
		6.10	183	P 1	DNT		LTS	+0.02	LTE	UTE				165		510UL	04/03 RFO
102	75	8.14	178	P 1	DNT		LTS	+0.07	LTE	UTE				166		510UL	04/03 RFO
102	77	6.80	182	P 1	DNT		LTS	+0.07	LTE	UTE				166		510UL	04/03 RFO
102	84	1.32	118	3	NQI		006	+27.22	LTE	UTE				166		510UL	04/03 RFO
102	103	8.84	184	3	DNT		UTS	+19.41	UTE	LTE				179		510UL	04/03 RFO
102	108	0.19	102	3	NQI		011	+27.34	UTE	LTE				180		510UL	04/03 RFO
102	121	0.45	93	P 1	NQI		009	-0.69	UTE	LTE				179		510UL	04/03 RFO
102	123	0.35	112	3	NQI		012	+6.36	LTE	UTE				182		510UL	04/03 RFO
103	1	0.22	90	3	NQI		010	+7.15	UTE	LTE				15		510UL	04/03 RFO
103	6	0.36	110	3	NQI		013	+11.56	UTE	LTE				14		510UL	04/03 RFO
103	24	0.54	74	3	NQI		012	+15.74	UTE	LTE				14		510UL	04/03 RFO
		0.29	89	3	NQI		012	+14.42	UTE	LTE				14		510UL	04/03 RFO
		0.55	90	3	NQI		013	+5.54	UTE	LTE				14		510UL	04/03 RFO
		0.30	67	3	NQI		011	+22.48	UTE	LTE				14		510UL	04/03 RFO
103	56	0.52	104	P 1	NQI		UTS	+19.26	UTE	LTE				86		510UL	04/03 RFO
103	60	0.26	88	3	NQI		014	+6.70	UTE	LTE				86		510UL	04/03 RFO
103	74	6.33	179	P 1	DNT		LTS	+0.07	LTE	UTE				165		510UL	04/03 RFO
103	75	8.34	179	P 1	DNT		LTS	+0.07	LTE	UTE				166		510UL	04/03 RFO
103	76	6.16	184	P 1	DNT		LTS	+0.00	LTE	UTE				165		510UL	04/03 RFO
103	109	0.35	95	3	NQI		015	+22.16	UTE	LTE				180		510UL	04/03 RFO
104	1	0.43	131	3	NQI		010	+11.08	UTE	LTE				83		510UL	04/03 RFO
104	3	0.56	111	3	NQI		008	+31.99	UTE	LTE				82		510UL	04/03 RFO
104	9	0.31	104	3	NQI		013	+25.90	UTE	LTE				15		510UL	04/03 RFO
104	40	0.37	99	3	NQI		009	+20.57	UTE	LTE				67		510UL	04/03 RFO
104	57	0.34	118	3	NQI		005	+26.50	UTE	LTE				85		510UL	04/03 RFO
104	60	0.51	78	P 1	NQI		UTS	+12.68	UTE	LTE				86		510UL	04/03 RFO
104	84	0.81	131	3	NQI		012	+13.79	LTE	UTE				165		510UL	04/03 RFO
104	89	0.37	99	3	NQI		008	+21.21	UTE	LTE				175		510UL	04/03 RFO
104	93	2.67	90	6	ADI		LTS	+20.59	UTE	LTE				175		510UL	04/03 RFO
104	100	0.10	95	P 1	NQI		013	+0.00	UTE	LTE				176		510UL	04/03 RFO
104	122	0.65	133	P 1	NQI		009	-0.80	UTE	LTE				179		510UL	04/03 RFO
105	20	0.84	153	3	NQI		014	+28.72	UTE	LTE				15		510UL	04/03 RFO
105	53	0.52	89	P 1	NQI		UTS	+19.59	UTE	LTE				86		510UL	04/03 RFO
		0.48	93	P 1	NQI		UTS	+20.32	UTE	LTE				86		510UL	04/03 RFO
105	65	10.98	182	3	DNT		LTS	+1.72	LTE	UTE				165		510UL	04/03 RFO
105	66	0.48	117	3	NQI		007	+7.10	LTE	UTE				166		510UL	04/03 RFO
105	118	0.26	96	3	NQI		014	+1.42	UTE	LTE				176		510UL	04/03 RFO
105	121	0.61	96	P 1	NQI		008	-0.69	UTE	LTE				175		510UL	04/03 RFO
		0.37	110	3	NQI		010	+5.49	UTE	LTE				175		510UL	04/03 RFO
		3.29	10	P 1	NQI		015	+1.00	UTE	LTE				175		510UL	04/03 RFO
105	122	3.34	121	P 1	NQI		015	-0.73	UTE	LTE				176		510UL	04/03 RFO
		10.10	13	P 1	BLG		UTS	-0.14	UTE	LTE				176		510UL	04/03 RFO
		0.42	116	3	NQI		010	+5.29	UTE	LTE				176		510UL	04/03 RFO
		3.03	13	P 1	NQI		015	+0.95	UTE	LTE				176		510UL	04/03 RFO
106	4	1.08	69	P 1	NQI		009	-0.59	UTE	LTE				14		510UL	04/03 RFO
106	29	0.40	135	3	NQI		007	+15.63	UTE	LTE				67		510UL	04/03 RFO
106	58	6.40	180	P 1	DNT		LTS	+0.00	LTE	UTE				155		510UL	04/03 RFO
106	63	0.64	40	3	NQI		006	+20.01	LTE	UTE				165		510UL	04/03 RFO
		0.34	100	3	NQI		009	+8.36	LTE	UTE				165		510UL	04/03 RFO
		0.41	119	3	NQI		009	+9.33	LTE	UTE				165		510UL	04/03 RFO
106	96	0.27	99	3	NQI		001	+7.08	UTE	LTE				175		510UL	04/03 RFO
106	98	0.49	129	3	NQI		007	+17.84	UTE	LTE				175		510UL	04/03 RFO
		0.84	61	6	ADI		015	+23.66	UTE	LTE				175		510UL	04/03 RFO
106	119	0.31	78	3	NQI		003	+24.05	UTE	LTE				176		510UL	04/03 RFO
		0.86	130	3	NQI		010	+3.08	UTE	LTE				176		510UL	04/03 RFO
107	20	0.47	104	3	NQI		007	+33.44	UTE	LTE				14		510UL	04/03 RFO
107	46	1.08	55	P 1	NQI		UTS	+16.47	UTE	LTE				97		510UL	04/03 RFO
107	52	0.24	96	3	NQI		001	+5.21	LTE	UTE				155		510UL	04/03 RFO
107	66	0.42	91	3	NQI		015	+11.54	LTE	UTE				165		510UL	04/03 RFO
107	84	0.24	93	3	NQI		011	+32.96	LTE	UTE				165		510UL	04/03 RFO
		0.26	99	3	NQI		011	+1.52	LTE	UTE				165		510UL	04/03 RFO
107	102	10.36	183	3	DNT		013	+13.89	UTE	LTE				176		510UL	04/03 RFO
107	113	0.50	112	3	NQI		008	+4.20	UTE	LTE				175		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
107	115	0.37	99	P 1	NQI		LTS	+0.51	UTE	LTE				175		510UL	04/03 RFO
107	118	0.52	54	P 1	NQI		014	+0.62	UTE	LTE				176		510UL	04/03 RFO
107	119	0.25	104	P 1	NQI		008	-0.69	UTE	LTE				175		510UL	04/03 RFO
107	120	0.26	98	3	NQI		010	+4.06	UTE	LTE				176		510UL	04/03 RFO
108	36	0.40	116	3	NQI		LTS	+21.47	UTE	LTE				67		510UL	04/03 RFO
108	85	0.33	99	3	NQI		008	+24.24	UTE	LTE				123		510UL	04/03 RFO
108	86	0.84	131	P 1	NQI		004	-0.71	UTE	LTE				123		510UL	04/03 RFO
108	94	0.21	96	3	NQI		010	+5.62	UTE	LTE				176		510UL	04/03 RFO
108	110	0.27	67	3	NQI		015	+19.92	UTE	LTE				176		510UL	04/03 RFO
108	116	0.29	85	3	NQI		011	+20.47	UTE	LTE				175		510UL	04/03 RFO
108	118	0.46	44	P 1	NQI		010	+0.53	UTE	LTE				175		510UL	04/03 RFO
109	19	0.39	97	3	NQI		010	+28.30	UTE	LTE				11		510UL	04/03 RFO
109	31	0.57	65	P 1	NQI		014	-0.50	UTE	LTE				68		510UL	04/03 RFO
109	44	0.28	127	3	NQI		013	+22.11	UTE	LTE				67		510UL	04/03 RFO
109	49	0.34	89	3	NQI		007	+18.19	LTE	UTE				155		510UL	04/03 RFO
		0.26	76	3	NQI		011	+17.85	LTE	UTE				155		510UL	04/03 RFO
109	60	0.36	86	P 1	NQI		007	-0.80	UTE	LTE				163		510UL	04/03 RFO
109	61	0.28	81	3	NQI		009	+17.16	UTE	LTE				123		510UL	04/03 RFO
109	62	6.00	185	P 1	DNT		LTS	-0.07	LTE	UTE				166		510UL	04/03 RFO
109	69	0.35	104	3	NQI		015	+16.85	UTE	LTE				123		510UL	04/03 RFO
109	99	0.37	84	3	NQI		004	+27.47	UTE	LTE				175		510UL	04/03 RFO
109	106	0.24	96	3	NQI		010	+29.66	UTE	LTE				176		510UL	04/03 RFO
110	5	0.64	81	P 1	NQI		LTE	+20.49	UTE	LTE				13		510UL	04/03 RFO
110	29	0.27	101	3	NQI		011	+16.72	UTE	LTE				74		510UL	04/03 RFO
		0.28	137	3	NQI		011	+14.89	UTE	LTE				74		510UL	04/03 RFO
		0.18	97	3	NQI		010	+31.03	UTE	LTE				74		510UL	04/03 RFO
		0.30	96	3	NQI		010	+29.60	UTE	LTE				74		510UL	04/03 RFO
110	61	10.99	183	P 1	DNT		LTS	-0.15	UTE	LTE				120		510UL	04/03 RFO
110	62	8.07	187	P 1	DNT		LTS	-0.17	LTE	UTE				166		510UL	04/03 RFO
110	64	0.46	63	P 1	NQI		015	+0.22	LTE	UTE				166		510UL	04/03 RFO
110	80	0.58	143	3	NQI		011	+21.45	LTE	UTE				166		510UL	04/03 RFO
110	90	13.25	180	3	DNT		001	+9.87	UTE	LTE				191		510UL	04/03 RFO
110	91	0.32	94	3	NQI		004	+32.81	UTE	LTE				176		510UL	04/03 RFO
110	106	0.34	83	3	NQI		013	+8.93	UTE	LTE				175		510UL	04/03 RFO
111	3	0.80	57	P 1	NQI		008	+0.42	UTE	LTE				11		510UL	04/03 RFO
		0.86	49	P 1	NQI		LTS	-0.48	UTE	LTE				11		510UL	04/03 RFO
111	25	0.32	95	3	NQI		011	+34.23	UTE	LTE				74		510UL	04/03 RFO
111	41	0.30	101	3	NQI		015	+32.06	UTE	LTE				74		510UL	04/03 RFO
111	60	6.86	186	P 1	DNT		LTS	-0.24	UTE	LTE				163		510UL	04/03 RFO
111	72	7.76	186	3	DNT		UTS	+16.34	LTE	UTE				165		510UL	04/03 RFO
111	78	0.55	82	3	NQI		003	+20.72	LTE	UTE				165		510UL	04/03 RFO
111	82	0.19	83	3	NQI		011	+35.00	UTE	LTE				120		510UL	04/03 RFO
111	97	0.30	101	3	NQI		010	+25.57	UTE	LTE				175		510UL	04/03 RFO
111	98	0.42	57	3	NQI		015	+20.46	UTE	LTE				176		510UL	04/03 RFO
112	1	1.75	143	3	NQI		015	+14.25	UTE	LTE				12		510UL	04/03 RFO
112	16	0.34	75	3	NQI		003	+8.68	UTE	LTE				12		510UL	04/03 RFO
112	59	0.68	88	3	NQI		012	+14.67	UTE	LTE				120		510UL	04/03 RFO
112	64	0.52	55	P 1	NQI		009	+0.85	LTE	UTE				165		510UL	04/03 RFO
112	84	1.45	137	3	NQI		003	+8.93	LTE	UTE				165		510UL	04/03 RFO
112	107	0.26	114	3	NQI		001	+23.30	UTE	LTE				176		510UL	04/03 RFO
112	110	0.61	136	P 1	NQI		009	-0.79	UTE	LTE				175		510UL	04/03 RFO
112	115	0.77	134	P 1	NQI		010	+0.73	UTE	LTE				176		510UL	04/03 RFO
112	116	0.41	96	P 1	NQI		008	-0.65	UTE	LTE				175		510UL	04/03 RFO
113	6	0.26	95	3	NQI		015	+42.24	UTE	LTE				12		510UL	04/03 RFO
113	20	0.55	88	3	NQI		010	+24.59	UTE	LTE				35		510UL	04/03 RFO
113	22	17.67	184	3	DNT		LTS	+6.70	UTE	LTE				35		510UL	04/03 RFO
113	66	0.50	58	3	NQI		009	+6.68	UTE	LTE				120		510UL	04/03 RFO
113	85	0.57	154	3	NQI		008	+18.72	UTE	LTE				119		510UL	04/03 RFO
113	93	0.31	76	3	NQI		009	+12.22	UTE	LTE				176		510UL	04/03 RFO
113	110	1.42	81	6	ADI		008	+22.49	UTE	LTE				172		510UL	04/03 RFO
114	1	0.41	38	P 1	NQI		007	-0.69	UTE	LTE				12		510UL	04/03 RFO
114	5	0.30	121	P 1	NQI		008	+0.33	UTE	LTE				12		510UL	04/03 RFO
114	11	1.26	147	P 1	NQI		014	+0.80	UTE	LTE				12		510UL	04/03 RFO
114	15	0.43	69	3	NQI		015	+20.50	UTE	LTE				12		510UL	04/03 RFO
114	16	0.28	77	3	NQI		013	+28.72	UTE	LTE				11		510UL	04/03 RFO
114	18	0.25	95	3	NQI		009	+7.24	UTE	LTE				11		510UL	04/03 RFO
		0.24	79	3	NQI		008	+4.46	UTE	LTE				11		510UL	04/03 RFO
		0.48	103	3	NQI		007	+26.70	UTE	LTE				11		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.25	99	3	NQI		008	+24.44	UTE	LTE				11		510UL	04/03 RFO
		0.58	70	3	NQI		006	+19.66	UTE	LTE				11		510UL	04/03 RFO
		0.22	106	3	NQI		005	+21.60	UTE	LTE				11		510UL	04/03 RFO
		0.24	104	3	NQI		005	+12.68	UTE	LTE				11		510UL	04/03 RFO
114	23	0.40	125	P 1	NQI		UTS	+20.50	UTE	LTE				74		510UL	04/03 RFO
114	25	0.22	88	3	NQI		013	+7.84	UTE	LTE				74		510UL	04/03 RFO
114	67	0.29	96	3	NQI		007	+13.60	UTE	LTE				119		510UL	04/03 RFO
114	90	0.35	84	3	NQI		007	+7.91	UTE	LTE				172		510UL	04/03 RFO
		0.29	84	3	NQI		007	+8.22	UTE	LTE				172		510UL	04/03 RFO
		0.25	105	3	NQI		007	+7.23	UTE	LTE				172		510UL	04/03 RFO
114	95	0.27	101	3	NQI		014	+32.31	UTE	LTE				171		510UL	04/03 RFO
114	114	0.49	91	P 1	NQI		010	+0.68	UTE	LTE				172		510UL	04/03 RFO
115	2	1.07	72	P 1	NQI		LTE	+2.11	UTE	LTE				11		510UL	04/03 RFO
115	5	0.49	124	3	NQI		008	+13.71	UTE	LTE				12		510UL	04/03 RFO
115	10	0.58	82	P 1	NQI		LTE	+2.36	UTE	LTE				11		510UL	04/03 RFO
115	12	1.05	67	P 1	NQI		LTE	+3.03	UTE	LTE				11		510UL	04/03 RFO
115	28	0.19	99	3	NQI		008	+24.16	UTE	LTE				74		510UL	04/03 RFO
115	65	0.31	89	3	NQI		014	+2.45	UTE	LTE				120		510UL	04/03 RFO
115	97	0.73	93	3	NQI		014	+1.14	UTE	LTE				172		510UL	04/03 RFO
115	98	0.43	91	3	NQI		013	+12.59	UTE	LTE				171		510UL	04/03 RFO
		1.04	105	P 1	NQI		014	+0.72	UTE	LTE				171		510UL	04/03 RFO
115	106	0.29	111	P 1	NQI		010	-0.25	UTE	LTE				171		510UL	04/03 RFO
		0.44	108	P 1	NQI		010	-0.56	UTE	LTE				171		510UL	04/03 RFO
115	110	0.57	127	3	NQI		009	+14.38	UTE	LTE				172		510UL	04/03 RFO
		0.89	144	P 1	NQI		009	-0.76	UTE	LTE				172		510UL	04/03 RFO
115	111	0.43	129	P 1	NQI		008	+0.53	UTE	LTE				171		510UL	04/03 RFO
		2.96	98	P 1	NQI		008	-0.71	UTE	LTE				171		510UL	04/03 RFO
115	113	0.55	103	P 1	NQI		010	+0.60	UTE	LTE				171		510UL	04/03 RFO
116	49	0.73	49	P 1	NQI		012	+0.28	UTE	LTE				95		510UL	04/03 RFO
116	61	0.52	69	3	NQI		015	+21.64	UTE	LTE				119		510UL	04/03 RFO
116	82	0.27	65	3	NQI		008	+34.08	UTE	LTE				119		510UL	04/03 RFO
116	105	0.47	77	P 1	NQI		LTS	-0.49	UTE	LTE				172		510UL	04/03 RFO
116	107	0.24	126	P 1	NQI		008	+0.24	UTE	LTE				172		510UL	04/03 RFO
116	112	0.36	92	3	NQI		010	+3.36	UTE	LTE				171		510UL	04/03 RFO
117	3	0.47	76	P 1	NQI		009	+0.55	UTE	LTE				30		510UL	04/03 RFO
117	19	0.60	123	3	NQI		004	+5.16	UTE	LTE				35		510UL	04/03 RFO
117	56	0.41	104	3	NQI		015	+24.85	UTE	LTE				120		510UL	04/03 RFO
117	76	0.16	95	3	NQI		007	+24.47	UTE	LTE				120		510UL	04/03 RFO
117	83	2.67	36	6	ADI		009	+3.64	UTE	LTE				171		510UL	04/03 RFO
		1.93	58	6	ADI		009	+7.88	UTE	LTE				171		510UL	04/03 RFO
		2.27	60	6	ADI		009	+6.97	UTE	LTE				171		510UL	04/03 RFO
		1.78	67	6	ADI		009	+4.48	UTE	LTE				171		510UL	04/03 RFO
117	90	0.37	67	P 1	NQI		014	+0.91	UTE	LTE				171		510UL	04/03 RFO
117	102	0.27	98	3	NQI		014	+4.94	UTE	LTE				172		510UL	04/03 RFO
117	106	0.56	91	P 1	NQI		010	+0.69	UTE	LTE				171		510UL	04/03 RFO
117	108	0.27	106	P 1	NQI		008	+0.31	UTE	LTE				172		510UL	04/03 RFO
		0.80	62	P 1	NQI		015	-0.43	UTE	LTE				172		510UL	04/03 RFO
118	1	0.84	146	3	NQI		015	+18.45	UTE	LTE				30		510UL	04/03 RFO
118	3	0.51	81	P 1	NQI		009	+0.50	UTE	LTE				30		510UL	04/03 RFO
118	16	1.91	97	3	TWD	40	009	+1.28	UTE	LTE				34		510UL	04/03 RFO
118	24	0.24	94	3	NQI		007	+13.81	UTE	LTE				56		510UL	04/03 RFO
118	74	1.00	36	3	NQI		009	+10.73	UTE	LTE				119		510UL	04/03 RFO
118	79	0.37	117	3	NQI		008	+25.92	UTE	LTE				120		510UL	04/03 RFO
118	83	0.20	115	3	NQI		007	+18.01	UTE	LTE				172		510UL	04/03 RFO
118	85	1.75	15	3	NQI		002	+35.15	UTE	LTE				172		510UL	04/03 RFO
118	86	0.84	122	P 1	NQI		004	-0.69	UTE	LTE				171		510UL	04/03 RFO
118	99	1.15	116	3	NQI		014	+27.05	UTE	LTE				171		510UL	04/03 RFO
118	106	0.38	102	3	NQI		014	+16.48	UTE	LTE				172		510UL	04/03 RFO
		0.43	127	P 1	NQI		004	-0.73	UTE	LTE				172		510UL	04/03 RFO
118	107	0.66	131	3	NQI		010	+5.43	UTE	LTE				171		510UL	04/03 RFO
119	29	0.51	92	P 1	NQI		UTS	+0.41	UTE	LTE				54		510UL	04/03 RFO
119	60	3.13	9	3	CHT		009	+3.77	TO+37.93	UTE	LTE			120		510UL	04/03 RFO
		2.46	22	3	CHT		008	+3.74	TO+35.79	UTE	LTE			120		510UL	04/03 RFO
		3.59	26	3	CHT		LTS	+1.35	TO+43.44	UTE	LTE			120		510UL	04/03 RFO
		3.82	25	3	CHT		007	+4.25	TO+38.76	UTE	LTE			120		510UL	04/03 RFO
		1.87	17	3	CHT		006	+37.36	TO+37.36	UTE	LTE			120		510UL	04/03 RFO
		3.86	22	3	CHT		005	+3.03	TO+35.28	UTE	LTE			120		510UL	04/03 RFO
		3.45	26	3	CHT		004	+3.05	TO+36.61	UTE	LTE			120		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		2.81	29	3	CHT		003	+2.30	TO+38.08	UTE	LTE			120		510UL	04/03 RFO
		3.53	27	3	CHT		002	+5.52	TO+37.55	UTE	LTE			120		510UL	04/03 RFO
		3.35	27	3	CHT		001	+2.86	TO+36.38	UTE	LTE			120		510UL	04/03 RFO
		2.58	7	3	CHT		010	+6.34	TO+33.47	UTE	LTE			120		510UL	04/03 RFO
119	88	0.24	104	P 1	NQI		014	+0.28		UTE	LTE			172		510UL	04/03 RFO
119	89	0.22	79	3	NQI		009	+7.49		UTE	LTE			171		510UL	04/03 RFO
119	90	0.33	112	3	NQI		003	+34.22		UTE	LTE			172		510UL	04/03 RFO
119	98	0.64	109	3	NQI		001	+27.85		UTE	LTE			171		510UL	04/03 RFO
119	106	1.57	96	P 1	NQI		008	-0.64		UTE	LTE			172		510UL	04/03 RFO
120	1	1.05	127	3	NQI		015	+18.12		UTE	LTE			34		510UL	04/03 RFO
120	2	0.46	151	3	NQI		015	+17.93		UTE	LTE			35		510UL	04/03 RFO
120	78	0.31	76	P 1	NQI		013	+0.60		UTE	LTE			119		510UL	04/03 RFO
120	105	0.65	77	3	NQI		014	+28.82		UTE	LTE			172		510UL	04/03 RFO
		0.35	91	3	NQI		012	+20.43		UTE	LTE			172		510UL	04/03 RFO
		1.36	99	P 1	NQI		008	-0.66		UTE	LTE			172		510UL	04/03 RFO
		0.40	90	P 1	NQI		010	-0.21		UTE	LTE			172		510UL	04/03 RFO
		1.37	59	6	ADI		015	+36.54		UTE	LTE			172		510UL	04/03 RFO
		0.88	62	6	ADI		015	+43.78		UTE	LTE			172		510UL	04/03 RFO
		0.38	108	3	NQI		013	+9.42		UTE	LTE			172		510UL	04/03 RFO
		0.34	115	3	NQI		012	+35.52		UTE	LTE			172		510UL	04/03 RFO
120	107	0.36	77	3	NQI		008	+3.43		UTE	LTE			172		510UL	04/03 RFO
		0.56	57	P 1	NQI		015	-0.47		UTE	LTE			172		510UL	04/03 RFO
121	1	0.40	114	3	NQI		013	+2.13		UTE	LTE			34		510UL	04/03 RFO
		0.61	157	3	NQI		015	+18.16		UTE	LTE			34		510UL	04/03 RFO
121	30	0.24	106	3	NQI		013	+5.72		UTE	LTE			54		510UL	04/03 RFO
		0.21	106	3	NQI		013	+4.76		UTE	LTE			54		510UL	04/03 RFO
121	38	0.50	91	P 1	NQI		UTS	+19.26		UTE	LTE			54		510UL	04/03 RFO
121	51	0.26	108	3	NQI		006	+22.50		UTE	LTE			95		510UL	04/03 RFO
121	78	0.31	74	3	NQI		015	+36.78		UTE	LTE			115		510UL	04/03 RFO
121	90	0.36	77	P 1	NQI		012	-0.12		UTE	LTE			172		510UL	04/03 RFO
121	106	0.74	114	P 1	NQI		015	-0.33		UTE	LTE			172		510UL	04/03 RFO
		0.29	110	P 1	NQI		011	+0.40		UTE	LTE			172		510UL	04/03 RFO
122	3	1.10	72	P 1	NQI		009	-0.70		UTE	LTE			35		510UL	04/03 RFO
122	47	0.37	76	3	NQI		009	+6.11		UTE	LTE			95		510UL	04/03 RFO
122	51	0.25	106	3	NQI		011	+18.85		UTE	LTE			95		510UL	04/03 RFO
122	58	0.75	97	3	NQI		013	+8.83		UTE	LTE			115		510UL	04/03 RFO
122	60	0.33	85	P 1	NQI		009	+0.46		UTE	LTE			116		510UL	04/03 RFO
122	67	0.25	65	3	NQI		010	+14.75		UTE	LTE			163		510UL	04/03 RFO
122	82	0.40	81	3	NQI		014	+23.53		UTE	LTE			171		510UL	04/03 RFO
122	89	0.22	105	3	NQI		013	+24.51		UTE	LTE			171		510UL	04/03 RFO
122	103	1.78	101	P 1	NQI		008	-0.65		UTE	LTE			171		510UL	04/03 RFO
		0.32	109	P 1	NQI		008	+0.65		UTE	LTE			171		510UL	04/03 RFO
122	104	0.73	114	P 1	NQI		010	+0.54		UTE	LTE			172		510UL	04/03 RFO
122	105	0.55	104	3	NQI		014	+31.31		UTE	LTE			172		510UL	04/03 RFO
		0.79	93	P 1	NQI		015	-0.50		UTE	LTE			172		510UL	04/03 RFO
123	1	0.34	63	3	NQI		015	+16.80		UTE	LTE			34		510UL	04/03 RFO
123	33	0.75	131	3	NQI		LTS	+21.38		UTE	LTE			50		510UL	04/03 RFO
		0.86	130	3	NQI		LTS	+22.27		UTE	LTE			50		510UL	04/03 RFO
123	34	0.82	141	P 1	NQI		004	-0.79		UTE	LTE			50		510UL	04/03 RFO
123	57	0.57	92	3	NQI		011	+24.91		UTE	LTE			163		510UL	04/03 RFO
123	66	0.22	84	3	NQI		007	+19.42		UTE	LTE			116		510UL	04/03 RFO
123	71	10.73	189	3	DNT		002	+18.62		UTE	LTE			115		510UL	04/03 RFO
123	86	0.16	96	3	NQI		014	+16.74		UTE	LTE			172		510UL	04/03 RFO
123	96	0.31	108	3	NQI		014	+1.47		UTE	LTE			171		510UL	04/03 RFO
123	97	0.29	93	3	NQI		012	+20.34		UTE	LTE			171		510UL	04/03 RFO
123	98	0.47	112	P 1	NQI		009	-0.48		UTE	LTE			172		510UL	04/03 RFO
123	100	0.70	116	3	NQI		014	+1.49		UTE	LTE			172		510UL	04/03 RFO
123	101	0.26	98	P 1	NQI		008	-0.76		UTE	LTE			171		510UL	04/03 RFO
123	103	1.57	115	3	NQI		014	+31.19		UTE	LTE			171		510UL	04/03 RFO
		0.44	99	P 1	NQI		004	-0.47		UTE	LTE			171		510UL	04/03 RFO
124	3	0.22	136	P 1	NQI		009	+0.52		UTE	LTE			34		510UL	04/03 RFO
124	5	0.28	107	3	NQI		009	+36.25		UTE	LTE			34		510UL	04/03 RFO
124	6	0.37	88	3	NQI		012	+10.34		UTE	LTE			35		510UL	04/03 RFO
124	33	0.67	137	P 1	NQI		004	-0.79		UTE	LTE			50		510UL	04/03 RFO
124	39	0.32	87	3	NQI		013	+29.15		UTE	LTE			95		510UL	04/03 RFO
124	45	0.27	74	3	NQI		011	+34.71		UTE	LTE			95		510UL	04/03 RFO
124	79	0.24	101	3	NQI		014	+7.88		UTE	LTE			167		510UL	04/03 RFO
124	94	0.96	114	3	NQI		014	+1.49		UTE	LTE			171		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
124	95	0.28	120	3	NQI		014	+16.03	UTE	LTE				172		510UL	04/03 RFO
124	100	0.37	126	3	NQI		008	+26.13	UTE	LTE				171		510UL	04/03 RFO
		0.46	121	3	NQI		007	+16.40	UTE	LTE				171		510UL	04/03 RFO
124	101	0.62	115	3	NQI		014	+30.55	UTE	LTE				172		510UL	04/03 RFO
		0.67	120	3	NQI		011	+4.42	UTE	LTE				172		510UL	04/03 RFO
125	7	1.33	63	P 1	NQI		009	-0.81	UTE	LTE				34		510UL	04/03 RFO
125	23	0.30	87	3	NQI		LTS	+36.57	UTE	LTE				50		510UL	04/03 RFO
125	52	1.00	118	P 1	NQI		004	-0.66	UTE	LTE				116		510UL	04/03 RFO
125	54	0.83	117	3	NQI		015	+12.26	UTE	LTE				116		510UL	04/03 RFO
125	60	0.32	96	3	NQI		007	+28.96	UTE	LTE				116		510UL	04/03 RFO
125	90	0.51	86	3	NQI		009	+29.46	UTE	LTE				167		510UL	04/03 RFO
126	3	0.73	67	P 1	NQI		005	-0.28	UTE	LTE				34		510UL	04/03 RFO
126	4	0.42	117	3	NQI		008	+33.81	UTE	LTE				35		510UL	04/03 RFO
126	7	0.14	60	P 1	NQI		009	+0.61	UTE	LTE				34		510UL	04/03 RFO
126	8	0.29	93	3	NQI		009	+8.70	UTE	LTE				35		510UL	04/03 RFO
126	19	2.19	160	3	NQI		015	+43.56	UTE	LTE				51		510UL	04/03 RFO
126	24	0.23	70	3	NQI		011	+17.13	UTE	LTE				50		510UL	04/03 RFO
126	28	0.56	105	P 1	NQI		004	-0.72	UTE	LTE				50		510UL	04/03 RFO
126	56	0.85	121	3	NQI		013	+12.17	UTE	LTE				116		510UL	04/03 RFO
		0.44	144	3	NQI		013	+11.02	UTE	LTE				116		510UL	04/03 RFO
126	74	0.31	115	3	NQI		010	+9.11	UTE	LTE				116		510UL	04/03 RFO
126	75	0.22	117	3	NQI		014	+6.12	UTE	LTE				163		510UL	04/03 RFO
		0.26	100	3	NQI		LTS	+32.05	UTE	LTE				163		510UL	04/03 RFO
126	81	0.29	105	3	NQI		012	+24.05	UTE	LTE				167		510UL	04/03 RFO
126	84	0.44	72	3	NQI		002	+30.93	UTE	LTE				168		510UL	04/03 RFO
126	97	0.82	113	3	NQI		005	+1.09	UTE	LTE				167		510UL	04/03 RFO
		0.45	65	P 1	NQI		008	+0.53	UTE	LTE				167		510UL	04/03 RFO
127	1	0.22	88	3	NQI		014	+32.50	UTE	LTE				34		510UL	04/03 RFO
127	3	0.55	55	P 1	NQI		LTS	-0.27	UTE	LTE				34		510UL	04/03 RFO
127	15	0.30	63	3	NQI		015	+10.22	UTE	LTE				51		510UL	04/03 RFO
127	21	0.25	112	3	NQI		013	+22.98	UTE	LTE				51		510UL	04/03 RFO
127	25	0.60	121	3	NQI		015	+20.89	UTE	LTE				51		510UL	04/03 RFO
127	47	0.30	91	3	NQI		014	+2.02	UTE	LTE				95		510UL	04/03 RFO
127	55	1.33	32	3	NQI		013	+25.50	UTE	LTE				116		510UL	04/03 RFO
		0.63	75	3	NQI		013	+20.83	UTE	LTE				116		510UL	04/03 RFO
127	72	0.38	77	3	NQI		009	+31.52	UTE	LTE				115		510UL	04/03 RFO
127	73	0.28	116	3	NQI		014	+28.19	UTE	LTE				116		510UL	04/03 RFO
127	74	0.37	90	3	NQI		LTS	+21.57	UTE	LTE				115		510UL	04/03 RFO
127	93	0.33	113	P 1	NQI		009	-0.60	UTE	LTE				168		510UL	04/03 RFO
128	11	0.40	84	3	NQI		LTS	+5.30	UTE	LTE				34		510UL	04/03 RFO
128	12	0.37	131	P 1	NQI		007	+0.68	UTE	LTE				35		510UL	04/03 RFO
128	16	0.52	86	P 1	NQI		014	+1.09	UTE	LTE				50		510UL	04/03 RFO
128	25	0.35	107	3	NQI		015	+38.14	UTE	LTE				50		510UL	04/03 RFO
128	27	0.39	133	3	NQI		007	+14.69	UTE	LTE				50		510UL	04/03 RFO
128	32	0.50	79	P 1	NQI		UTS	+14.92	UTE	LTE				50		510UL	04/03 RFO
128	42	0.26	121	3	NQI		009	-1.23	UTE	LTE				95		510UL	04/03 RFO
128	52	3.12	96	3	NQI		003	+12.82	UTE	LTE				116		510UL	04/03 RFO
128	68	1.07	64	P 1	NQI		004	-0.36	UTE	LTE				116		510UL	04/03 RFO
128	94	0.48	128	3	NQI		005	+1.06	UTE	LTE				168		510UL	04/03 RFO
129	2	0.24	111	P 1	NQI		010	+0.63	UTE	LTE				34		510UL	04/03 RFO
129	3	0.31	58	P 1	NQI		015	-0.22	UTE	LTE				35		510UL	04/03 RFO
129	4	0.47	88	P 1	NQI		004	-0.79	UTE	LTE				34		510UL	04/03 RFO
		0.59	132	3	NQI		015	+1.50	UTE	LTE				34		510UL	04/03 RFO
129	18	2.23	16	3	NQI		011	+13.08	UTE	LTE				50		510UL	04/03 RFO
129	26	0.26	111	3	NQI		014	+15.95	UTE	LTE				50		510UL	04/03 RFO
129	41	0.41	69	3	NQI		013	+19.72	UTE	LTE				95		510UL	04/03 RFO
129	49	0.77	170	P 1	NQI		004	-0.66	UTE	LTE				116		510UL	04/03 RFO
129	75	0.39	101	3	NQI		LTS	+24.91	UTE	LTE				168		510UL	04/03 RFO
129	90	0.40	53	P 1	NQI		009	-0.60	UTE	LTE				167		510UL	04/03 RFO
129	94	0.84	111	P 1	NQI		010	-0.62	UTE	LTE				167		510UL	04/03 RFO
130	3	0.45	64	P 1	NQI		003	+0.14	UTE	LTE				34		510UL	04/03 RFO
130	5	0.32	66	3	NQI		015	+31.01	UTE	LTE				34		510UL	04/03 RFO
		0.43	107	P 1	NQI		010	+0.46	UTE	LTE				34		510UL	04/03 RFO
130	8	0.67	89	P 1	NQI		010	-0.78	UTE	LTE				35		510UL	04/03 RFO
130	9	0.66	86	P 1	NQI		004	-0.79	UTE	LTE				34		510UL	04/03 RFO
		0.21	104	3	NQI		003	+30.35	UTE	LTE				34		510UL	04/03 RFO
130	18	0.38	108	3	NQI		010	+21.34	UTE	LTE				45		510UL	04/03 RFO
130	24	1.82	116	4	TWD 4		LTS	+28.30	UTE	LTE				51		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
130	44	0.31	93	3	NQI		LTS	+23.49	UTE	LTE				94		510UL	04/03 RFO
130	50	0.48	111	3	NQI		007	+17.59	UTE	LTE				110		510UL	04/03 RFO
130	57	0.39	118	3	NQI		011	+29.32	UTE	LTE				111		510UL	04/03 RFO
130	81	0.32	89	3	NQI		008	+26.19	UTE	LTE				167		510UL	04/03 RFO
130	86	0.31	80	3	NQI		009	+34.50	UTE	LTE				167		510UL	04/03 RFO
130	91	0.38	109	P 1	NQI		008	-0.53	UTE	LTE				168		510UL	04/03 RFO
		0.48	95	P 1	NQI		010	+0.69	UTE	LTE				168		510UL	04/03 RFO
131	5	0.72	76	P 1	NQI		009	+0.76	UTE	LTE				35		510UL	04/03 RFO
		0.36	76	P 1	NQI		010	+0.59	UTE	LTE				35		510UL	04/03 RFO
131	35	0.94	138	3	NQI		014	+18.56	UTE	LTE				88		510UL	04/03 RFO
131	63	0.34	103	P 1	NQI		002	-0.41	UTE	LTE				111		510UL	04/03 RFO
131	67	0.39	121	3	NQI		007	+22.30	UTE	LTE				111		510UL	04/03 RFO
131	81	0.45	83	3	NQI		002	+16.79	UTE	LTE				168		510UL	04/03 RFO
131	82	0.42	80	3	NQI		009	+4.95	UTE	LTE				167		510UL	04/03 RFO
131	87	0.47	90	3	NQI		008	+35.39	UTE	LTE				168		510UL	04/03 RFO
132	3	9.84	183	3	DNT		LTS	+34.03	UTE	LTE				35		510UL	04/03 RFO
		0.31	79	P 1	NQI		015	-0.02	UTE	LTE				35		510UL	04/03 RFO
132	5	0.45	81	P 1	NQI		009	+0.71	UTE	LTE				35		510UL	04/03 RFO
		0.70	97	P 1	NQI		010	-0.83	UTE	LTE				35		510UL	04/03 RFO
132	6	0.86	68	P 1	NQI		010	-0.83	UTE	LTE				34		510UL	04/03 RFO
132	7	0.61	101	P 1	NQI		004	-0.72	UTE	LTE				35		510UL	04/03 RFO
132	34	0.79	43	3	NQI		009	+15.48	UTE	LTE				88		510UL	04/03 RFO
132	84	0.35	84	P 1	NQI		008	+0.45	UTE	LTE				168		510UL	04/03 RFO
132	85	1.02	128	3	NQI		015	-1.28	UTE	LTE				167		510UL	04/03 RFO
		0.53	91	P 1	NQI		011	+0.29	UTE	LTE				167		510UL	04/03 RFO
133	1	9.56	182	P 1	DNT		015	-0.60	UTE	LTE				34		510UL	04/03 RFO
133	5	1.53	79	P 1	NQI		010	-0.71	UTE	LTE				35		510UL	04/03 RFO
		0.61	84	P 1	NQI		010	+0.63	UTE	LTE				35		510UL	04/03 RFO
133	9	0.46	114	P 1	NQI		009	+0.61	UTE	LTE				45		510UL	04/03 RFO
133	14	0.23	107	3	NQI		012	+1.55	UTE	LTE				44		510UL	04/03 RFO
133	31	0.77	77	P 1	NQI		015	+0.77	LTE	UTE				154		510UL	04/03 RFO
133	57	0.30	60	3	NQI		LTS	+19.79	UTE	LTE				111		510UL	04/03 RFO
133	66	0.49	67	P 1	NQI		008	-0.29	UTE	LTE				110		510UL	04/03 RFO
133	73	0.14	94	P 1	NQI		013	+0.25	UTE	LTE				168		510UL	04/03 RFO
133	86	0.28	93	P 1	NQI		010	+0.57	UTE	LTE				167		510UL	04/03 RFO
134	1	6.28	183	P 1	DNT		015	-0.60	UTE	LTE				34		510UL	04/03 RFO
		2.02	85	6	ADI		010	+5.77	UTE	LTE				34		510UL	04/03 RFO
134	2	0.75	73	P 1	NQI		004	-0.74	UTE	LTE				35		510UL	04/03 RFO
		27.33	184	3	DNT		LTS	+4.90	UTE	LTE				35		510UL	04/03 RFO
134	3	1.45	52	P 1	NQI		015	-0.42	UTE	LTE				34		510UL	04/03 RFO
		6.47	173	P 1	DNT		010	+0.12	UTE	LTE				34		510UL	04/03 RFO
134	6	0.65	65	P 1	NQI		010	-0.80	UTE	LTE				35		510UL	04/03 RFO
		0.54	108	3	NQI		009	+22.36	UTE	LTE				35		510UL	04/03 RFO
134	37	0.30	133	3	NQI		013	+3.51	LTE	UTE				155		510UL	04/03 RFO
134	41	0.18	104	3	NQI		001	+28.68	LTE	UTE				155		510UL	04/03 RFO
134	76	0.22	83	3	NQI		014	+26.06	UTE	LTE				168		510UL	04/03 RFO
134	77	0.56	33	P 1	NQI		010	+0.62	UTE	LTE				167		510UL	04/03 RFO
134	85	0.74	78	3	NQI		010	+1.06	UTE	LTE				167		510UL	04/03 RFO
135	1	1.12	46	P 1	NQI		015	+0.00	UTE	LTE				34		510UL	04/03 RFO
		0.99	101	3	NQI		010	+5.71	UTE	LTE				34		510UL	04/03 RFO
135	4	0.79	69	P 1	NQI		014	+0.85	UTE	LTE				34		510UL	04/03 RFO
135	5	0.51	122	P 1	NQI		010	+0.65	UTE	LTE				35		510UL	04/03 RFO
135	28	0.16	64	P 1	NQI		002	+0.34	LTE	UTE				155		510UL	04/03 RFO
135	33	0.62	96	3	NQI		011	+36.58	UTE	LTE				88		510UL	04/03 RFO
135	36	0.87	124	P 1	NQI		004	-0.68	LTE	UTE				155		510UL	04/03 RFO
136	1	0.54	92	3	NQI		014	+31.91	UTE	LTE				34		510UL	04/03 RFO
		2.03	139	3	NQI		014	+33.58	UTE	LTE				34		510UL	04/03 RFO
136	2	0.76	133	3	NQI		014	+30.88	UTE	LTE				35		510UL	04/03 RFO
136	35	0.29	87	3	NQI		014	+30.92	UTE	LTE				88		510UL	04/03 RFO
136	37	0.43	97	3	NQI		002	+18.58	UTE	LTE				88		510UL	04/03 RFO
136	39	0.27	77	3	NQI		010	+10.90	UTE	LTE				88		510UL	04/03 RFO
136	69	1.21	132	P 1	NQI		003	+0.76	UTE	LTE				167		510UL	04/03 RFO
136	70	0.84	103	P 1	NQI		003	+0.80	UTE	LTE				168		510UL	04/03 RFO
136	79	0.68	42	P 1	NQI		008	-0.70	UTE	LTE				167		510UL	04/03 RFO
137	1	0.75	133	3	NQI		010	+5.63	UTE	LTE				34		510UL	04/03 RFO
		0.30	131	3	NQI		010	+7.60	UTE	LTE				34		510UL	04/03 RFO
		0.59	112	3	NQI		011	+24.46	UTE	LTE				34		510UL	04/03 RFO
137	2	1.81	129	3	NQI		011	+4.26	UTE	LTE				35		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
137	4	0.79	133	3	NQI		010	+3.08	UTE	LTE				45		510UL	04/03 RFO
137	5	0.36	112	3	NQI		009	+23.44	UTE	LTE				44		510UL	04/03 RFO
137	6	0.81	122	3	NQI		009	+18.45	UTE	LTE				45		510UL	04/03 RFO
137	7	0.36	77	3	NQI		014	+22.07	UTE	LTE				44		510UL	04/03 RFO
137	29	0.22	82	3	NQI		012	+2.40	UTE	LTE				88		510UL	04/03 RFO
137	33	0.84	73	3	NQI		004	+11.91	UTE	LTE				88		510UL	04/03 RFO
137	38	0.36	107	3	NQI		007	+20.08	LTE	UTE				155		510UL	04/03 RFO
137	67	3.07	57	6	ADI		001	+4.23	UTE	LTE				168		510UL	04/03 RFO
137	70	0.27	87	3	NQI		LTS	+36.95	UTE	LTE				168		510UL	04/03 RFO
137	72	0.27	95	3	NQI		010	+20.31	UTE	LTE				167		510UL	04/03 RFO
		0.51	108	P 1	NQI		009	-0.60	UTE	LTE				167		510UL	04/03 RFO
137	75	0.47	129	P 1	NQI		010	+0.42	UTE	LTE				168		510UL	04/03 RFO
138	2	0.77	124	3	NQI		011	+6.40	UTE	LTE				35		510UL	04/03 RFO
138	4	0.94	134	3	NQI		009	+21.22	UTE	LTE				45		510UL	04/03 RFO
138	5	0.40	99	3	NQI		009	+18.77	UTE	LTE				44		510UL	04/03 RFO
138	17	0.54	63	P 1	NQI		UTS	+12.23	UTE	LTE				44		510UL	04/03 RFO
138	21	0.29	84	3	NQI		LTS	+40.44	UTE	LTE				44		510UL	04/03 RFO
138	24	0.35	71	P 1	NQI		008	-0.54	UTE	LTE				88		510UL	04/03 RFO
138	30	0.86	47	P 1	NQI		002	-0.44	UTE	LTE				88		510UL	04/03 RFO
138	35	0.45	98	3	NQI		003	+36.52	LTE	UTE				155		510UL	04/03 RFO
138	66	0.37	87	3	NQI		013	+12.45	UTE	LTE				167		510UL	04/03 RFO
138	70	0.20	108	3	NQI		014	+26.12	UTE	LTE				167		510UL	04/03 RFO
		0.28	115	3	NQI		014	+5.45	UTE	LTE				167		510UL	04/03 RFO
		0.18	99	3	NQI		014	+4.74	UTE	LTE				167		510UL	04/03 RFO
138	75	0.61	113	3	NQI		015	-1.18	UTE	LTE				167		510UL	04/03 RFO
		0.34	100	3	NQI		014	+32.75	UTE	LTE				167		510UL	04/03 RFO
139	2	0.40	122	3	NQI		010	+9.84	UTE	LTE				44		510UL	04/03 RFO
		0.76	132	3	NQI		010	+9.27	UTE	LTE				44		510UL	04/03 RFO
		0.43	82	3	NQI		010	+5.69	UTE	LTE				44		510UL	04/03 RFO
		10.05	181	P 1	DNT		010	+0.00	UTE	LTE				44		510UL	04/03 RFO
139	4	0.40	118	3	NQI		010	+3.14	UTE	LTE				44		510UL	04/03 RFO
139	6	0.19	124	3	NQI		013	+9.02	UTE	LTE				44		510UL	04/03 RFO
139	29	1.31	95	3	NQI		009	+7.66	UTE	LTE				88		510UL	04/03 RFO
140	17	1.12	123	3	NQI		014	+28.23	UTE	LTE				44		510UL	04/03 RFO
140	27	0.64	65	3	NQI		013	+33.09	UTE	LTE				88		510UL	04/03 RFO
		0.35	101	3	NQI		009	+38.71	UTE	LTE				88		510UL	04/03 RFO
140	39	0.51	107	P 1	NQI		003	-0.78	UTE	LTE				109		510UL	04/03 RFO
140	51	0.45	108	3	NQI		015	+10.62	UTE	LTE				109		510UL	04/03 RFO
		0.21	107	P 1	NQI		008	+0.69	UTE	LTE				109		510UL	04/03 RFO
141	1	0.37	121	3	NQI		014	+32.29	UTE	LTE				45		510UL	04/03 RFO
		0.52	129	3	NQI		010	+5.34	UTE	LTE				45		510UL	04/03 RFO
		1.70	52	P 1	NQI		015	-0.51	UTE	LTE				45		510UL	04/03 RFO
		2.89	133	3	NQI		015	-1.36	UTE	LTE				45		510UL	04/03 RFO
141	2	0.36	113	3	NQI		014	+30.84	UTE	LTE				44		510UL	04/03 RFO
141	8	0.68	61	P 1	NQI		010	+0.46	UTE	LTE				45		510UL	04/03 RFO
141	15	0.26	110	3	NQI		011	+6.17	UTE	LTE				44		510UL	04/03 RFO
141	17	0.25	78	3	NQI		014	+31.40	UTE	LTE				44		510UL	04/03 RFO
141	27	0.30	75	3	NQI		012	+29.93	LTE	UTE				154		510UL	04/03 RFO
141	41	0.86	90	P 1	NQI		LTS	-0.33	UTE	LTE				109		510UL	04/03 RFO
141	61	0.50	82	3	NQI		007	+24.04	UTE	LTE				109		510UL	04/03 RFO
		0.29	118	3	NQI		007	+20.85	UTE	LTE				109		510UL	04/03 RFO
141	62	2.79	74	6	ADI		002	+10.61	UTE	LTE				168		510UL	04/03 RFO
		2.73	49	6	ADI		002	+9.16	UTE	LTE				168		510UL	04/03 RFO
		1.49	59	6	ADI		LTS	+9.35	UTE	LTE				168		510UL	04/03 RFO
		1.75	51	6	ADI		LTS	+7.55	UTE	LTE				168		510UL	04/03 RFO
142	5	0.72	92	P 1	NQI		009	+0.53	UTE	LTE				44		510UL	04/03 RFO
142	8	0.63	103	P 1	NQI		009	-0.57	UTE	LTE				44		510UL	04/03 RFO
142	18	0.43	63	P 1	NQI		009	-0.81	UTE	LTE				44		510UL	04/03 RFO
142	26	0.45	119	P 1	NQI		002	-0.72	LTE	UTE				155		510UL	04/03 RFO
142	27	0.32	95	3	NQI		012	+13.20	UTE	LTE				88		510UL	04/03 RFO
		1.93	111	3	NQI		005	+25.40	UTE	LTE				88		510UL	04/03 RFO
142	47	0.99	72	P 1	NQI		LTE	+2.39	UTE	LTE				109		510UL	04/03 RFO
142	58	0.39	62	P 1	NQI		009	-0.62	UTE	LTE				109		510UL	04/03 RFO
142	62	0.25	74	3	NQI		015	+8.34	UTE	LTE				168		510UL	04/03 RFO
142	63	0.67	98	3	NQI		005	+16.28	UTE	LTE				167		510UL	04/03 RFO
		0.55	143	3	NQI		009	+30.89	UTE	LTE				167		510UL	04/03 RFO
		0.39	102	3	NQI		009	+29.18	UTE	LTE				167		510UL	04/03 RFO
142	65	1.83	136	3	NQI		015	+13.18	UTE	LTE	TO+19.21			167		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
143	1	0.31	123	3	NQI		014	+31.57	UTE	LTE				44		510UL	04/03 RFO
143	3	0.34	100	3	NQI		011	+18.69	UTE	LTE				45		510UL	04/03 RFO
143	6	0.63	93	3	NQI		003	+21.48	UTE	LTE				45		510UL	04/03 RFO
143	13	0.26	66	3	NQI		013	+27.37	UTE	LTE				44		510UL	04/03 RFO
		1.04	60	P 1	NQI		006	-0.67	UTE	LTE				44		510UL	04/03 RFO
143	25	0.65	76	P 1	NQI		009	-0.63	UTE	LTE				88		510UL	04/03 RFO
143	29	0.24	97	3	NQI		001	+12.71	UTE	LTE				88		510UL	04/03 RFO
		0.29	70	3	NQI		LTS	+42.44	UTE	LTE				88		510UL	04/03 RFO
143	33	0.46	105	3	NQI		002	+36.36	UTE	LTE				109		510UL	04/03 RFO
143	36	0.63	127	3	NQI		LTS	+22.14	UTE	LTE				109		510UL	04/03 RFO
143	39	1.78	62	P 1	NQI		LTE	+2.68	UTE	LTE				109		510UL	04/03 RFO
143	47	0.34	71	P 1	NQI		009	+0.59	UTE	LTE				109		510UL	04/03 RFO
143	52	0.77	121	P 1	NQI		UTS	+17.20	UTE	LTE				104		510UL	04/03 RFO
144	1	1.62	54	P 1	NQI		015	-0.55	UTE	LTE				45		510UL	04/03 RFO
144	2	0.21	98	3	NQI		014	+2.18	UTE	LTE				44		510UL	04/03 RFO
144	14	1.55	102	P 1	NQI		009	-0.57	LTE	UTE				154		510UL	04/03 RFO
144	16	0.26	120	3	NQI		010	+24.74	UTE	LTE				88		510UL	04/03 RFO
		1.26	35	P 1	NQI		009	-0.84	UTE	LTE				88		510UL	04/03 RFO
144	18	1.27	39	P 1	NQI		009	-0.75	UTE	LTE				88		510UL	04/03 RFO
144	26	0.26	67	P 1	NQI		015	-0.07	UTE	LTE				88		510UL	04/03 RFO
144	39	0.45	110	P 1	NQI		009	+0.61	UTE	LTE				104		510UL	04/03 RFO
144	40	0.52	95	P 1	NQI		009	+0.57	UTE	LTE				104		510UL	04/03 RFO
144	52	0.23	117	P 1	NQI		009	-0.09	UTE	LTE				104		510UL	04/03 RFO
144	53	0.48	102	P 1	NQI		011	+0.47	UTE	LTE				104		510UL	04/03 RFO
144	55	0.44	118	3	NQI		009	+14.94	UTE	LTE				104		510UL	04/03 RFO
145	1	2.07	53	P 1	NQI		015	-0.53	UTE	LTE				45		510UL	04/03 RFO
145	5	0.61	98	3	NQI		008	+33.22	UTE	LTE				45		510UL	04/03 RFO
145	8	0.15	90	3	NQI		015	+41.79	UTE	LTE				44		510UL	04/03 RFO
145	18	0.38	99	P 1	NQI		LTS	-0.32	LTE	UTE				155		510UL	04/03 RFO
		0.54	127	P 1	NQI		LTE	+14.99	LTE	UTE				155		510UL	04/03 RFO
145	24	0.42	120	P 1	NQI		008	+0.61	LTE	UTE				155		510UL	04/03 RFO
145	34	0.29	114	P 1	NQI		009	+0.57	UTE	LTE				104		510UL	04/03 RFO
145	37	0.39	118	P 1	NQI		009	+0.45	UTE	LTE				104		510UL	04/03 RFO
145	41	0.67	58	P 1	NQI		009	+0.66	UTE	LTE				104		510UL	04/03 RFO
145	42	0.54	76	P 1	NQI		015	-0.47	UTE	LTE				104		510UL	04/03 RFO
		0.74	84	P 1	NQI		009	+0.70	UTE	LTE				104		510UL	04/03 RFO
145	43	0.41	39	P 1	NQI		010	-0.61	UTE	LTE				104		510UL	04/03 RFO
145	44	0.48	90	P 1	NQI		009	+0.75	UTE	LTE				104		510UL	04/03 RFO
		0.42	104	3	NQI		009	+20.83	UTE	LTE				104		510UL	04/03 RFO
145	46	0.50	85	P 1	NQI		009	+0.75	UTE	LTE				104		510UL	04/03 RFO
		0.38	79	P 1	NQI		LTS	-0.07	UTE	LTE				104		510UL	04/03 RFO
145	48	0.60	106	P 1	NQI		009	+0.74	UTE	LTE				104		510UL	04/03 RFO
145	49	0.67	85	P 1	NQI		010	+0.78	UTE	LTE				104		510UL	04/03 RFO
		0.64	100	3	NQI		009	+17.54	UTE	LTE				104		510UL	04/03 RFO
145	51	0.76	100	P 1	NQI		010	+0.71	UTE	LTE				104		510UL	04/03 RFO
145	54	0.89	155	3	NQI		015	+18.08	UTE	LTE				104		510UL	04/03 RFO
146	10	0.68	65	P 1	NQI		008	+0.44	UTE	LTE				44		510UL	04/03 RFO
146	11	0.51	113	3	NQI		014	+1.34	LTE	UTE				155		510UL	04/03 RFO
146	13	0.35	58	P 1	NQI		009	-0.43	LTE	UTE				155		510UL	04/03 RFO
146	15	0.49	85	P 1	NQI		009	-0.59	LTE	UTE				155		510UL	04/03 RFO
146	16	0.53	80	P 1	NQI		008	+0.40	UTE	LTE				88		510UL	04/03 RFO
146	27	0.28	106	3	NQI		LTS	+7.65	UTE	LTE				104		510UL	04/03 RFO
146	32	0.48	141	3	NQI		013	+4.98	UTE	LTE				104		510UL	04/03 RFO
146	36	0.67	82	3	NQI		015	-1.34	UTE	LTE				104		510UL	04/03 RFO
146	37	0.58	96	P 1	NQI		015	-0.51	UTE	LTE				104		510UL	04/03 RFO
146	40	0.48	93	P 1	NQI		010	-0.59	UTE	LTE				104		510UL	04/03 RFO
146	41	0.54	118	3	NQI		014	+32.32	UTE	LTE				104		510UL	04/03 RFO
146	42	0.52	72	P 1	NQI		010	-0.66	UTE	LTE				104		510UL	04/03 RFO
146	44	0.69	101	P 1	NQI		010	+0.74	UTE	LTE				104		510UL	04/03 RFO
146	45	0.65	102	P 1	NQI		015	-0.45	UTE	LTE				104		510UL	04/03 RFO
		0.42	71	P 1	NQI		010	-0.66	UTE	LTE				104		510UL	04/03 RFO
146	48	0.62	82	P 1	NQI		010	+0.65	UTE	LTE				104		510UL	04/03 RFO
147	36	0.38	108	P 1	NQI		010	-0.59	UTE	LTE				104		510UL	04/03 RFO
147	37	0.42	124	3	NQI		009	+18.08	UTE	LTE				104		510UL	04/03 RFO
		0.48	58	P 1	NQI		010	-0.63	UTE	LTE				104		510UL	04/03 RFO
147	38	0.37	118	P 1	NQI		015	-0.45	UTE	LTE				104		510UL	04/03 RFO
147	40	0.48	87	3	NQI		010	+4.69	UTE	LTE				104		510UL	04/03 RFO
		0.31	119	P 1	NQI		015	-0.11	UTE	LTE				104		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
147	43	0.54	110	3	NQI		014	+1.05	UTE	LTE				104		510UL	04/03 RFO
147	44	13.69	179	P 1	DNT		015	-0.58	UTE	LTE				104		510UL	04/03 RFO
147	45	12.09	175	P 1	DNT		015	-0.53	UTE	LTE				104		510UL	04/03 RFO
		0.56	127	3	NQI		014	+30.92	UTE	LTE				104		510UL	04/03 RFO
147	46	1.98	123	3	NQI		014	+33.64	UTE	LTE				104		510UL	04/03 RFO
148	23	0.54	102	3	NQI		011	+30.65	UTE	LTE				104		510UL	04/03 RFO
148	28	0.51	71	P 1	NQI		004	-0.76	UTE	LTE				104		510UL	04/03 RFO
148	29	0.67	82	P 1	NQI		015	-1.11	UTE	LTE				104		510UL	04/03 RFO
148	30	0.46	104	P 1	NQI		015	-0.42	UTE	LTE				104		510UL	04/03 RFO
		0.36	106	P 1	NQI		010	-0.61	UTE	LTE				104		510UL	04/03 RFO
		0.31	112	P 1	NQI		010	+0.76	UTE	LTE				104		510UL	04/03 RFO
		0.51	130	3	NQI		010	+4.75	UTE	LTE				104		510UL	04/03 RFO
148	35	24.80	180	P 1	DNT		015	-0.56	UTE	LTE				104		510UL	04/03 RFO
		0.42	68	3	NQI		010	+12.58	UTE	LTE				104		510UL	04/03 RFO
		0.24	65	P 1	NQI		010	+0.54	UTE	LTE				104		510UL	04/03 RFO
148	36	32.05	181	P 1	DNT		015	-0.51	UTE	LTE				104		510UL	04/03 RFO
148	37	17.70	179	P 1	DNT		015	-0.56	UTE	LTE				104		510UL	04/03 RFO
		0.59	147	3	NQI		010	+10.33	UTE	LTE				104		510UL	04/03 RFO
		0.33	97	3	NQI		010	+14.35	UTE	LTE				104		510UL	04/03 RFO
148	38	0.77	103	3	NQI		014	+30.48	UTE	LTE				104		510UL	04/03 RFO
		0.79	132	3	NQI		013	+3.39	UTE	LTE				104		510UL	04/03 RFO
		0.68	128	3	NQI		012	+5.63	UTE	LTE				104		510UL	04/03 RFO
		0.36	99	3	NQI		011	+7.27	UTE	LTE				104		510UL	04/03 RFO
		0.74	94	3	NQI		010	+8.36	UTE	LTE				104		510UL	04/03 RFO
		0.33	96	3	NQI		014	+2.85	UTE	LTE				104		510UL	04/03 RFO
148	39	0.81	115	3	NQI		013	+2.97	UTE	LTE				104		510UL	04/03 RFO
148	40	6.93	178	P 1	DNT		015	-0.56	UTE	LTE				104		510UL	04/03 RFO
		1.04	134	3	NQI		014	+30.61	UTE	LTE				104		510UL	04/03 RFO
		0.68	137	3	NQI		010	+9.04	UTE	LTE				104		510UL	04/03 RFO
148	41	25.05	180	P 1	DNT		015	-0.60	UTE	LTE				104		510UL	04/03 RFO
		0.27	102	3	NQI		010	+9.89	UTE	LTE				104		510UL	04/03 RFO
149	1	0.69	136	3	NQI		015	+14.76	UTE	LTE				45		510UL	04/03 RFO
149	3	0.27	129	3	NQI		014	-1.20	UTE	LTE				88		510UL	04/03 RFO
149	16	0.56	111	3	NQI		010	+1.26	LTE	UTE				154		510UL	04/03 RFO
149	17	0.42	117	P 1	NQI		010	+0.80	UTE	LTE				104		510UL	04/03 RFO
		18.10	180	3	DNT		LTE	+10.57	UTE	LTE				104		510UL	04/03 RFO
		0.39	129	3	NQI		010	+1.34	UTE	LTE				104		510UL	04/03 RFO
149	22	0.59	54	P 1	NQI		010	-0.57	UTE	LTE				104		510UL	04/03 RFO
		0.46	97	P 1	NQI		015	-0.49	UTE	LTE				104		510UL	04/03 RFO
149	25	0.25	90	P 1	NQI		010	+0.69	UTE	LTE				104		510UL	04/03 RFO
		0.60	91	P 1	NQI		015	-0.13	UTE	LTE				104		510UL	04/03 RFO
149	26	0.70	149	3	NQI		014	+33.44	UTE	LTE				104		510UL	04/03 RFO
149	27	0.45	76	P 1	NQI		LTS	-0.09	UTE	LTE				104		510UL	04/03 RFO
149	28	0.30	111	3	NQI		010	+7.05	UTE	LTE				104		510UL	04/03 RFO
		1.06	129	P 1	NQI		015	+0.18	UTE	LTE				104		510UL	04/03 RFO
149	29	11.16	176	P 1	DNT		015	-0.54	UTE	LTE				105		510UL	04/03 RFO
149	30	25.19	181	P 1	DNT		015	-0.51	UTE	LTE				104		510UL	04/03 RFO
		0.50	74	P 1	NQI		011	+0.60	UTE	LTE				104		510UL	04/03 RFO
		0.45	80	P 1	NQI		010	+0.52	UTE	LTE				104		510UL	04/03 RFO
		0.62	75	P 1	NQI		010	-0.61	UTE	LTE				104		510UL	04/03 RFO
149	31	0.60	136	3	NQI		014	+3.97	UTE	LTE				105		510UL	04/03 RFO
		0.33	108	3	NQI		011	+9.42	UTE	LTE				105		510UL	04/03 RFO
		13.32	184	P 1	DNT		015	-0.58	UTE	LTE				105		510UL	04/03 RFO
149	32	14.83	180	P 1	DNT		015	-0.65	UTE	LTE				104		510UL	04/03 RFO
		0.63	86	3	NQI		012	+3.13	UTE	LTE				104		510UL	04/03 RFO
		1.03	90	3	NQI		011	+5.61	UTE	LTE				104		510UL	04/03 RFO
		0.60	98	3	NQI		013	+4.46	UTE	LTE				104		510UL	04/03 RFO
		0.32	84	3	NQI		014	+2.81	UTE	LTE				104		510UL	04/03 RFO
149	33	1.52	123	3	NQI		013	+4.74	UTE	LTE				105		510UL	04/03 RFO
		0.54	96	3	NQI		011	+8.77	UTE	LTE				105		510UL	04/03 RFO
		0.98	128	3	NQI		014	+3.43	UTE	LTE				105		510UL	04/03 RFO
149	34	0.59	128	3	NQI		014	+3.79	UTE	LTE				104		510UL	04/03 RFO
		0.81	120	3	NQI		013	+4.87	UTE	LTE				104		510UL	04/03 RFO
		0.69	133	3	NQI		012	+3.15	UTE	LTE				104		510UL	04/03 RFO
		0.73	100	P 1	NQI		015	-0.09	UTE	LTE				104		510UL	04/03 RFO
150	11	0.48	115	P 1	NQI		010	+0.71	LTE	UTE				155		510UL	04/03 RFO
150	17	0.39	82	P 1	NQI		010	+0.62	UTE	LTE				104		510UL	04/03 RFO
		0.52	112	3	NQI		014	+5.69	UTE	LTE				104		510UL	04/03 RFO

ATTACHMENT # 2 - LIST OF IMPERFECTIONS - BOBBIN

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
150	21	2.00	136	3	NQI	015	-1.18	UTE	LTE					104		510UL	04/03 RFO
		0.50	124	3	NQI	014	+33.42	UTE	LTE					104		510UL	04/03 RFO
150	22	0.82	125	3	NQI	012	+4.37	UTE	LTE					105		510UL	04/03 RFO
150	23	0.34	127	3	NQI	015	+6.59	UTE	LTE					104		510UL	04/03 RFO
		0.88	147	3	NQI	014	+2.66	UTE	LTE					104		510UL	04/03 RFO
		0.85	121	3	NQI	012	+3.60	UTE	LTE					104		510UL	04/03 RFO
		0.95	122	3	NQI	011	+3.15	UTE	LTE					104		510UL	04/03 RFO
		0.47	143	3	NQI	013	+4.02	UTE	LTE					104		510UL	04/03 RFO
150	24	0.61	130	3	NQI	013	+4.19	UTE	LTE					105		510UL	04/03 RFO
150	25	0.44	66	P 1	NQI	011	+0.62	UTE	LTE					104		510UL	04/03 RFO
		0.59	106	3	NQI	014	+3.57	UTE	LTE					104		510UL	04/03 RFO
		1.25	115	3	NQI	012	+5.62	UTE	LTE					104		510UL	04/03 RFO
		0.74	122	3	NQI	010	+8.90	UTE	LTE					104		510UL	04/03 RFO
		0.22	78	P 1	NQI	010	-0.57	UTE	LTE					104		510UL	04/03 RFO
		1.00	111	3	NQI	013	+4.14	UTE	LTE					104		510UL	04/03 RFO
150	26	0.62	101	3	NQI	014	+4.38	UTE	LTE					105		510UL	04/03 RFO
150	27	2.36	129	3	NQI	014	+4.32	UTE	LTE					104		510UL	04/03 RFO
		0.45	115	3	NQI	012	+9.39	UTE	LTE					104		510UL	04/03 RFO
		0.42	57	P 1	NQI	010	-0.32	UTE	LTE					104		510UL	04/03 RFO
		0.39	106	3	NQI	013	+8.27	UTE	LTE					104		510UL	04/03 RFO
151	2	0.24	86	3	NQI	015	+12.36	UTE	LTE					88		510UL	04/03 RFO
151	3	0.36	109	P 1	NQI	013	-0.70	LTE	UTE					155		510UL	04/03 RFO
		0.43	132	P 1	NQI	015	+0.45	LTE	UTE					155		510UL	04/03 RFO
151	11	0.59	122	3	NQI	015	+7.68	UTE	LTE					104		510UL	04/03 RFO
151	15	0.51	123	3	NQI	012	+6.29	UTE	LTE					105		510UL	04/03 RFO
		0.65	142	3	NQI	014	+31.25	UTE	LTE					105		510UL	04/03 RFO
151	16	2.28	127	3	NQI	015	-1.31	UTE	LTE					104		510UL	04/03 RFO
		0.84	109	3	NQI	013	+3.69	UTE	LTE					104		510UL	04/03 RFO
		0.71	142	3	NQI	014	+3.72	UTE	LTE					104		510UL	04/03 RFO

Total Tubes : 2533
Total Records: 3225

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
1	1	0.33	71	2	SAI		015	+0.70	015	015				4008	460SI	04/03 RFO
		0.27	100	2	TWD	0	015	+0.70	015	015				4008	460SI	04/03 RFO
1	5	4.54	179	1	DNT		UTS	+0.01	UTS	UTS				4007	460SI	04/03 RFO
		2.30	177	1	DNT		015	+0.77	015	015				4007	460SI	04/03 RFO
2	3	1.65	183	1	DNT		015	+0.29	015	015				4007	460SI	04/03 RFO
		1.70	178	1	DNT		015	-0.06	015	015				4007	460SI	04/03 RFO
		5.50	177	1	DNT		LTS	-13.08	LTS	LTS				4007	460SI	04/03 RFO
		0.39	29	2	SAI		013	+5.23	013	013				4098	520SI	04/03 RFO
		0.39	29	2	TWD	96	013	+5.23	013	013				4098	520SI	04/03 RFO
		0.44	35	2	SAI		013	+3.92	013	013				4098	520SI	04/03 RFO
		0.44	35	2	TWD	95	013	+3.92	013	013				4098	520SI	04/03 RFO
		0.16	26	2	TWD	74	013	-2.99	013	013				4057	460SI	04/03 RFO
		0.21	32	2	SAI		013	-2.99	013	013				4057	460SI	04/03 RFO
2	6	1.35	22	2	TEA		UTE	-0.21	UTE	UTE				2058	460HR	04/03 RFO
2	7	0.23	106	2	VOL		014	-0.40	014	014				4008	460SI	04/03 RFO
2	11	0.61	126	2	SVI		UTS	-14.66	UTS	UTS				4007	460SI	04/03 RFO
		0.61	126	2	TWD	0	UTS	-14.66	UTS	UTS				4007	460SI	04/03 RFO
2	19	0.34	67	P 3	TWD	7	010	+0.45	010	010	WAR			4018	460SI	04/03 RFO
2	24	3.17	184	1	DNT		UTS	-0.04	UTS	UTS				4027	460SI	04/03 RFO
3	3	0.20	113	2	VOL		013	+4.48	013	013				4008	460SI	04/03 RFO
3	4	0.19	77	P 1	VOL		013	+4.19	013	013				4008	460SI	04/03 RFO
3	7	2.02	78	2	SVI		UTS	-10.42	UTS	UTS				4007	460SI	04/03 RFO
		1.98	78	2	TWD	30	UTS	-10.42	UTS	UTS				4007	460SI	04/03 RFO
		2.35	22	2	TEA		UTE	-0.21	UTE	UTE				2058	460HR	04/03 RFO
		5.15	176	1	DNT		LTS	-13.22	LTS	LTS				4007	460SI	04/03 RFO
3	10	1.06	103	1	VOL		015	-1.29	015	015				4007	460SI	04/03 RFO
3	13	0.73	112	P 3	TWD	9	013	-0.41	013	013	WAR			4008	460SI	04/03 RFO
3	26	1.56	24	2	TEA		UTE	-0.15	UTE	UTE				2067	460HR	04/03 RFO
3	27	0.51	106	1	VOL		003	+3.51	003	003				4027	460SI	04/03 RFO
3	29	0.33	82	2	VOL		011	-0.72	011	011				4027	460SI	04/03 RFO
		0.61	49	2	VOL		011	-1.63	011	011				4027	460SI	04/03 RFO
3	30	0.51	76	P 3	TWD	10	011	-0.74	011	011	WAR			4018	460SI	04/03 RFO
3	34	3.54	25	2	TEA		UTE	-0.19	UTE	UTE				2068	460HR	04/03 RFO
4	4	3.44	186	1	DNT		UTS	+0.04	UTS	UTS				4033	460SI	04/03 RFO
		2.49	193	1	DNT		015	+0.79	015	015				4033	460SI	04/03 RFO
4	16	0.14	57	2	VOL		LTS	+9.48	LTS	LTS				4012	460SI	04/03 RFO
4	28	1.13	33	2	TEA		UTE	-0.22	UTE	UTE				2067	460HR	04/03 RFO
4	34	0.20	86	2	SAI		015	-6.50	015	015				4027	460SI	04/03 RFO
		0.20	86	2	TWD	23	015	-6.50	015	015				4027	460SI	04/03 RFO
		0.06	101	2	SAI		015	-6.16	015	015				4027	460SI	04/03 RFO
		0.06	101	2	TWD	6	015	-6.16	015	015				4027	460SI	04/03 RFO
4	41	0.27	86	2	VOL		015	-3.82	015	015				4027	460SI	04/03 RFO
5	5	0.18	41	2	VOL		011	-16.12	011	011				4070	460SI	04/03 RFO
5	6	0.28	98	2	VOL		010	+10.16	010	010	TO+14.58			4033	460SI	04/03 RFO
5	8	0.13	83	2	VOL		015	+13.25	015	015				4007	460SI	04/03 RFO
5	11	1.24	27	2	TEA		UTE	-0.18	UTE	UTE				2058	460HR	04/03 RFO
5	32	0.59	173	2	DNT		LTS	-6.37	LTS	LTS				4027	460SI	04/03 RFO
5	42	0.24	39	2	VOL		004	-4.31	004	004				4027	460SI	04/03 RFO
5	44	0.36	91	2	VOL		011	-0.83	011	011				4027	460SI	04/03 RFO
6	10	0.19	93	2	VOL		010	+3.57	010	010				4033	460SI	04/03 RFO
6	22	0.45	146	P 3	TWD	10	009	+0.47	009	009	WAR			4012	460SI	04/03 RFO
6	33	0.42	97	P 3	TWD	8	009	-0.52	009	009	WAR			4018	460SI	04/03 RFO
6	35	0.29	76	P 3	TWD	6	009	+0.39	009	009	WAR			4018	460SI	04/03 RFO
6	42	1.55	26	2	TEA		UTE	-0.14	UTE	UTE				2067	460HR	04/03 RFO
7	7	0.18	69	2	VOL		004	-9.20	004	004				4033	460SI	04/03 RFO
7	10	0.43	140	P 3	TWD	10	008	-0.61	008	008	WAR			4033	460SI	04/03 RFO
7	13	0.11	35	2	VOL		014	-13.04	014	014				4007	460SI	04/03 RFO
7	18	10.40	184	1	DNT		UTS	+1.26	UTS	UTS				4007	460SI	04/03 RFO
		10.92	183	1	DNT		UTS	+1.46	UTS	UTS				4007	460SI	04/03 RFO
7	19	0.48	56	P 3	TWD	13	009	-0.53	009	009	WAR			4007	460SI	04/03 RFO
7	20	0.32	72	P 3	TWD	9	009	-0.57	009	009	WAR			4007	460SI	04/03 RFO
7	42	0.15	77	2	SAI		015	-5.40	015	015				4027	460SI	04/03 RFO
		0.15	77	2	TWD	34	015	-5.40	015	015				4027	460SI	04/03 RFO
7	43	1.09	31	2	TEA		UTE	-0.18	UTE	UTE				2068	460HR	04/03 RFO
7	45	2.69	26	2	TEA		UTE	-0.17	UTE	UTE				2067	460HR	04/03 RFO
		0.70	118	P 3	TWD	14	009	-0.45	009	009	WAR			4018	460SI	04/03 RFO
7	48	0.13	63	2	VOL		005	+1.16	005	005				4027	460SI	04/03 RFO
7	52	0.24	106	P 3	TWD	5	010	+0.55	010	010	WAR			4018	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
8	1	0.15	88	2	VOL		014	+2.14	014	014				4033		460SI	04/03 RFO
8	7	0.11	55	2	VOL		008	-18.48	008	008				4033		460SI	04/03 RFO
8	9	0.58	65	2	VOL		008	-0.65	008	008				4033		460SI	04/03 RFO
8	11	0.18	150	P 3	TWD	5	015	+0.69	015	015	WAR			4033		460SI	04/03 RFO
		0.17	171	2	VOL		014	-0.27	014	014				4033		460SI	04/03 RFO
		0.26	85	2	VOL		010	-12.87	010	010				4033		460SI	04/03 RFO
		0.62	63	P 3	TWD	13	008	-0.58	008	008	WAR			4033		460SI	04/03 RFO
8	12	0.37	107	2	VOL		010	-13.14 TO-18.29	010	010				4033		460SI	04/03 RFO
8	14	0.25	107	2	VOL		010	-18.91 TO-9.63	010	010				4007		460SI	04/03 RFO
8	17	0.05	61	2	SAI		015	-3.89	015	015				4007		460SI	04/03 RFO
		0.05	61	2	TWD	55	015	-3.89	015	015				4007		460SI	04/03 RFO
8	20	0.39	69	2	VOL		009	-0.71	009	009				4007		460SI	04/03 RFO
8	27	0.08	76	2	VOL		014	+1.27	014	014				4089		520SI	04/03 RFO
8	42	0.89	110	P 3	TWD	17	009	-0.55	009	009	WAR			4018		460SI	04/03 RFO
8	44	1.79	22	2	TEA		UTE	-0.21	UTE	UTE				2114		460HR	04/03 RFO
8	50	0.75	91	P 3	TWD	14	007	+0.76	007	007	WAR			4018		460SI	04/03 RFO
9	17	0.10	72	2	VOL		012	+9.55	012	012				4007		460SI	04/03 RFO
9	19	1.31	16	2	TEA		UTE	-0.16	UTE	UTE				2059		460HR	04/03 RFO
9	21	0.10	64	2	VOL		003	-16.62	003	003				4007		460SI	04/03 RFO
9	29	0.06	30	2	VOL		014	+1.15	014	014				4012		460SI	04/03 RFO
9	54	0.29	100	2	VOL		009	+17.56 TO+24.65	009	009				4027		460SI	04/03 RFO
9	56	0.16	54	2	VOL		013	-11.52	013	013				4018		460SI	04/03 RFO
9	59	0.15	74	2	VOL		014	+1.69	014	014				4039		460SI	04/03 RFO
10	2	0.51	117	P 3	TWD	10	008	-0.70	008	008	WAR			4029		460SI	04/03 RFO
10	6	0.10	61	2	SAI		011	-14.88	011	011				4029		460SI	04/03 RFO
		0.11	68	2	TWD	59	011	-14.88	011	011				4029		460SI	04/03 RFO
10	12	1.46	27	2	TEA		UTE	-0.17	UTE	UTE				2040		460HR	04/03 RFO
		0.21	76	2	VOL		UTS	-9.90	UTS	UTS				4029		460SI	04/03 RFO
		0.13	83	2	VOL		015	+1.06	015	015				4029		460SI	04/03 RFO
		0.10	56	2	VOL		004	+17.94	004	004				4029		460SI	04/03 RFO
10	13	0.11	72	2	SAI		015	-1.49	015	015				4029		460SI	04/03 RFO
		0.16	85	2	SAI		015	-2.37	015	015				4029		460SI	04/03 RFO
		0.10	74	2	TWD	50	015	-1.49	015	015				4029		460SI	04/03 RFO
		0.17	80	2	TWD	40	015	-2.37	015	015				4029		460SI	04/03 RFO
		0.35	92	2	VOL		010	-15.56 TO-20.23	010	010				4029		460SI	04/03 RFO
		1.17	9	2	DNT		LTS	+19.56	LTS	LTS				4029		460SI	04/03 RFO
10	18	0.33	115	2	VOL		008	-0.77	008	008				4007		460SI	04/03 RFO
10	19	0.59	51	P 3	TWD	16	009	-0.30	009	009	WAR			4007		460SI	04/03 RFO
		0.28	34	P 3	TWD	8	008	-0.66	008	008	WAR			4007		460SI	04/03 RFO
10	44	0.45	110	P 3	TWD	9	009	+0.26	009	009	WAR			4018		460SI	04/03 RFO
10	58	0.15	117	2	VOL		010	-8.62	010	010				4017		460SI	04/03 RFO
		0.27	97	2	VOL		010	-11.26	010	010				4017		460SI	04/03 RFO
		0.23	109	2	VOL		010	-15.24	010	010				4017		460SI	04/03 RFO
10	61	0.08	77	2	SAI		013	-3.16	013	013				4076		520SI	04/03 RFO
		0.08	77	2	TWD	32	013	-3.16	013	013				4076		520SI	04/03 RFO
		0.16	84	2	SAI		013	-6.13	013	013				4076		520SI	04/03 RFO
		0.16	84	2	TWD	14	013	-6.13	013	013				4076		520SI	04/03 RFO
11	1	0.61	96	P 3	TWD	11	008	-0.69	008	008	WAR			4029		460SI	04/03 RFO
11	5	0.15	78	2	SAI		015	-15.17	015	015				4029		460SI	04/03 RFO
		0.18	82	2	TWD	37	015	-15.17	015	015				4029		460SI	04/03 RFO
11	16	0.38	108	2	VOL		008	-0.70	008	008				4029		460SI	04/03 RFO
11	20	1.03	12	2	VOL		005	+17.90	005	005				4007		460SI	04/03 RFO
11	22	2.39	27	2	TEA		UTE	-0.15	UTE	UTE				2058		460HR	04/03 RFO
11	41	1.13	17	2	TEA		UTE	-0.20	UTE	UTE				2073		460HR	04/03 RFO
11	59	0.38	98	2	VOL		010	-18.49 TO-11.69	010	010				4027		460SI	04/03 RFO
11	68	0.40	98	2	VOL		015	-2.44	015	015				4039		460SI	04/03 RFO
12	2	0.44	79	9	PLP		015	+0.96	015	015				4029		460SI	04/03 RFO
12	5	2.49	21	2	TEA		UTE	-0.23	UTE	UTE				2040		460HR	04/03 RFO
		0.08	90	2	VOL		002	+15.44	002	002				4029		460SI	04/03 RFO
12	7	0.87	20	2	TEA		UTE	-0.17	UTE	UTE				2040		460HR	04/03 RFO
12	12	0.19	60	2	VOL		006	-15.13	006	006				4029		460SI	04/03 RFO
12	14	0.32	128	2	VOL		015	+0.42	015	015				4029		460SI	04/03 RFO
12	18	0.58	76	2	SAI		011	-7.20	011	011				4029		460SI	04/03 RFO
		0.67	74	2	TWD	50	011	-7.20	011	011				4029		460SI	04/03 RFO
12	42	0.12	53	2	VOL		UTS	+6.85	UTS	UTS				4027		460SI	04/03 RFO
12	43	1.53	30	2	TEA		UTE	-0.17	UTE	UTE				2073		460HR	04/03 RFO
12	57	0.65	89	2	VOL		007	-0.75	007	007				4017		460SI	04/03 RFO
12	58	0.57	82	P 3	TWD	11	009	+0.71	009	009	WAR			4018		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
12	60	0.29	103	2	VOL		010	-15.05	TO-23.51	010	010			4027	460SI	04/03 RFO
12	70	0.45	126	P 3	TWD	10	008	-0.66		008	008	WAR		4039	460SI	04/03 RFO
12	71	4.10	180	1	DNT		UTS	+0.02		UTS	UTS			4039	460SI	04/03 RFO
13	14	0.08	60	2	VOL		003	+4.20		003	003			4029	460SI	04/03 RFO
13	27	1.80	34	2	TEA		UTE	-0.19		UTE	UTE			2058	460HR	04/03 RFO
13	31	0.61	78	P 3	TWD	14	011	-0.72		011	011	WAR		4012	460SI	04/03 RFO
13	36	0.23	88	2	VOL		004	+12.50		004	004			4027	460SI	04/03 RFO
13	47	0.17	82	2	VOL		014	+1.27		014	014			4089	520SI	04/03 RFO
13	51	1.22	42	2	TEA		UTE	-0.12		UTE	UTE			2072	460HR	04/03 RFO
13	55	1.65	33	2	TEA		UTE	-0.17		UTE	UTE			2072	460HR	04/03 RFO
13	63	0.16	57	2	VOL		010	+6.57		010	010			4017	460SI	04/03 RFO
13	72	0.27	110	P 3	TWD	8	010	-0.07		010	010	WAR		4039	460SI	04/03 RFO
		0.30	144	P 3	TWD	9	012	+0.64		012	012	WAR		4039	460SI	04/03 RFO
14	7	0.42	112	P 3	TWD	7	009	+0.61		009	009	WAR		4029	460SI	04/03 RFO
		2.87	20	2	TEA		UTE	-0.19		UTE	UTE			2041	460HR	04/03 RFO
14	19	3.02	25	2	TEA		UTE	-0.19		UTE	UTE			2040	460HR	04/03 RFO
		0.55	101	P 3	TWD	10	007	-0.72		007	007	WAR		4029	460SI	04/03 RFO
14	53	0.19	85	2	VOL		004	-17.41		004	004			4017	460SI	04/03 RFO
14	55	0.61	31	2	MAI		UTE	-3.64		UTE	UTS	URT		2067	460HR	04/03 RFO
		0.79	29	2	TWD	80	UTE	-3.64		UTE	UTS			2067	460HR	04/03 RFO
14	57	0.13	48	2	VOL		005	-16.97		005	005			4017	460SI	04/03 RFO
14	58	0.11	49	2	VOL		010	+16.94		010	010			4018	460SI	04/03 RFO
14	74	0.34	72	P 3	TWD	8	010	+0.37		010	010	WAR		4039	460SI	04/03 RFO
		3.54	180	1	DNT		UTS	+0.06		UTS	UTS			4039	460SI	04/03 RFO
15	5	2.68	24	2	TEA		UTE	-0.18		UTE	UTE			2040	460HR	04/03 RFO
		0.50	93	P 3	TWD	10	009	+0.47		009	009	WAR		4029	460SI	04/03 RFO
15	14	0.10	74	2	VOL		013	-1.24		013	013			4029	460SI	04/03 RFO
15	23	0.11	55	2	VOL		012	-4.84		012	012			4029	460SI	04/03 RFO
		0.11	64	2	VOL		011	-1.97		011	011			4029	460SI	04/03 RFO
15	27	2.56	20	2	TEA		UTE	-0.19		UTE	UTE			2058	460HR	04/03 RFO
15	28	0.50	102	P 3	TWD	12	011	-0.74		011	011	WAR		4012	460SI	04/03 RFO
15	57	1.34	40	2	MAI		UTE	-3.51		UTE	UTS	URT		2067	460HR	04/03 RFO
		1.34	40	2	TWD	98	UTE	-3.51		UTE	UTS			2067	460HR	04/03 RFO
		0.13	82	2	SAI		011	-1.67		011	011			4027	460SI	04/03 RFO
		0.13	82	2	TWD	28	011	-1.67		011	011			4027	460SI	04/03 RFO
15	74	0.21	43	2	VOL		013	+10.11		013	013			4076	520SI	04/03 RFO
15	75	0.09	85	2	VOL		014	+1.08		014	014			4076	520SI	04/03 RFO
15	77	0.26	81	2	VOL		LTS	+0.55		LTS	LTS			4076	520SI	04/03 RFO
		0.20	58	2	VOL		013	-11.50		013	013			4076	520SI	04/03 RFO
16	1	0.07	58	2	VOL		012	+7.04		012	012			4054	460SI	04/03 RFO
16	8	1.08	23	2	TEA		UTE	-0.18		UTE	UTE			2041	460HR	04/03 RFO
16	21	1.80	25	2	TEA		UTE	-0.16		UTE	UTE			2040	460HR	04/03 RFO
16	28	2.25	133	1	DNT		009	-10.32		009	009			4012	460SI	04/03 RFO
16	46	0.16	49	2	VOL		001	-20.30		001	001			4032	460SI	04/03 RFO
16	57	1.44	28	2	TEA		UTE	-0.12		UTE	UTE			2072	460HR	04/03 RFO
16	59	1.70	188	2	DNT		006	-1.61		006	006			4027	460SI	04/03 RFO
16	72	0.16	79	7	SAI		014	+33.19		014	015			4039	460SI	04/03 RFO
		0.12	80	2	TWD	18	014	+33.19		014	015			4039	460SI	04/03 RFO
		0.12	58	7	SAI		014	+27.87		014	015			4039	460SI	04/03 RFO
		0.24	76	2	TWD	38	014	+27.87		014	015			4039	460SI	04/03 RFO
		0.10	61	2	SAI		014	+14.07		014	015			4039	460SI	04/03 RFO
		0.12	67	2	TWD	65	014	+14.07		014	015			4039	460SI	04/03 RFO
16	74	0.11	55	2	VOL		012	-18.59		012	012			4076	520SI	04/03 RFO
16	75	0.22	125	2	VOL		010	-7.96		010	010			4076	520SI	04/03 RFO
16	77	0.45	136	P 3	TWD	10	011	-0.74		011	011	WAR		4039	460SI	04/03 RFO
16	78	0.23	84	P 3	TWD	7	014	+0.73		014	014	WAR		4039	460SI	04/03 RFO
16	81	2.41	24	2	TEA		UTE	-0.11		UTE	UTE			2090	460HR	04/03 RFO
17	1	0.19	117	2	VOL		UTS	-7.24		UTS	UTS			4054	460SI	04/03 RFO
		0.26	58	2	VOL		014	+9.28		014	014			4054	460SI	04/03 RFO
17	2	0.35	119	P 3	TWD	6	010	+0.54		010	010	WAR		4054	460SI	04/03 RFO
17	5	0.60	136	P 3	TWD	14	008	+0.35		008	008	WAR		4053	460SI	04/03 RFO
17	7	1.96	22	2	TEA		UTE	-0.19		UTE	UTE			2036	460HR	04/03 RFO
		0.25	125	P 3	TWD	5	009	-0.47		009	009	WAR		4029	460SI	04/03 RFO
17	8	2.20	23	2	TEA		UTE	-0.15		UTE	UTE			2037	460HR	04/03 RFO
17	9	2.09	24	2	TEA		UTE	-0.22		UTE	UTE			2036	460HR	04/03 RFO
17	10	0.45	130	P 3	TWD	8	009	-0.64		009	009	WAR		4029	460SI	04/03 RFO
17	16	0.81	25	2	TEA		UTE	-0.17		UTE	UTE			2037	460HR	04/03 RFO
17	58	1.33	25	2	TEA		UTE	-0.06		UTE	UTE			2072	460HR	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
17	59	1.17	29	2	MAI		UTE	-3.58	UTE	UTS	URT			2067	460HR	04/03 RFO
		1.17	29	2	TWD 80		UTE	-3.58	UTE	UTS				2067	460HR	04/03 RFO
17	64	2.54	15	2	TEA		UTE	-0.20	UTE	UTE				2073	460HR	04/03 RFO
17	72	0.03	152	2	SAI		015	-1.72	015	015				4076	520SI	04/03 RFO
		0.03	152	2	TWD 1		015	-1.72	015	015				4076	520SI	04/03 RFO
		0.07	72	2	SAI		015	-4.20	015	015				4076	520SI	04/03 RFO
		0.07	72	2	TWD 43		015	-4.20	015	015				4076	520SI	04/03 RFO
		0.05	72	2	SAI		015	-5.25	015	015				4076	520SI	04/03 RFO
		0.05	72	2	TWD 43		015	-5.25	015	015				4076	520SI	04/03 RFO
		0.08	66	2	TWD 55		015	-7.27	015	015				4076	520SI	04/03 RFO
		0.10	78	2	SAI		015	-12.00	015	015				4076	520SI	04/03 RFO
		0.10	78	2	TWD 30		015	-12.00	015	015				4076	520SI	04/03 RFO
		0.08	66	2	MAI		015	-7.27	015	015				4076	520SI	04/03 RFO
		0.09	78	2	TWD 30		015	-17.52	015	015				4076	520SI	04/03 RFO
		0.09	78	2	SAI		015	-17.52	015	015				4076	520SI	04/03 RFO
17	79	0.33	94	2	VOL		014	+0.76	014	014				4039	460SI	04/03 RFO
18	10	0.54	116	P 3	TWD 10		009	-0.71	009	009	WAR			4029	460SI	04/03 RFO
18	58	0.15	74	2	SAI		014	+1.78	014	014				4089	520SI	04/03 RFO
		0.15	74	2	TWD 40		014	+1.78	014	014				4089	520SI	04/03 RFO
18	60	0.82	18	2	TEA		UTE	-0.14	UTE	UTE				2074	460HR	04/03 RFO
18	62	0.15	150	2	VOL		015	+0.29	015	015				4018	460SI	04/03 RFO
18	77	18.14	179	1	DNT		LTS	+14.52	LTS	LTS				4039	460SI	04/03 RFO
		0.43	92	2	VOL		010	-16.00	010	010				4039	460SI	04/03 RFO
		0.20	127	P 3	TWD 6		014	+0.70	014	014	WAR			4039	460SI	04/03 RFO
18	83	2.32	198	2	TEA		UTE	-0.14	UTE	UTE				2089	460HR	04/03 RFO
18	84	3.49	150	1	DNT		LTS	-14.24	LTS	LTS				4076	520SI	04/03 RFO
18	85	0.17	55	2	VOL		004	-6.71	004	004				4076	520SI	04/03 RFO
19	16	1.62	18	2	TEA		UTE	-0.23	UTE	UTE				2037	460HR	04/03 RFO
19	18	1.26	19	2	TEA		UTE	-0.21	UTE	UTE				2037	460HR	04/03 RFO
19	24	1.79	25	2	TEA		UTE	-0.15	UTE	UTE				2037	460HR	04/03 RFO
19	32	2.62	22	2	TEA		UTE	-0.22	UTE	UTE				2055	460HR	04/03 RFO
19	33	1.15	12	2	TEA		UTE	-0.16	UTE	UTE				2054	460HR	04/03 RFO
19	38	0.21	61	2	SAI		011	-2.58	011	011				4012	460SI	04/03 RFO
		0.21	61	2	TWD 60		011	-2.58	011	011				4012	460SI	04/03 RFO
19	46	0.77	12	2	TEA		UTE	-0.17	UTE	UTE				2075	460HR	04/03 RFO
19	60	1.21	23	2	TEA		UTE	-0.19	UTE	UTE				2075	460HR	04/03 RFO
19	74	2.03	22	2	TEA		UTE	-0.22	UTE	UTE				2090	460HR	04/03 RFO
20	7	0.16	63	2	VOL		008	-9.57	008	008				4053	460SI	04/03 RFO
20	19	3.25	26	2	TEA		UTE	-0.21	UTE	UTE				2036	460HR	04/03 RFO
20	38	0.49	122	P 3	TWD 11		014	+0.59	014	014	WAR			4012	460SI	04/03 RFO
20	75	1.45	21	2	TEA		UTE	-0.14	UTE	UTE				2090	460HR	04/03 RFO
21	5	0.57	112	P 3	TWD 14		009	-0.41	009	009	WAR			4053	460SI	04/03 RFO
21	6	0.31	121	2	VOL		010	+0.48	010	010				4054	460SI	04/03 RFO
21	9	1.52	24	2	TEA		UTE	-0.19	UTE	UTE				2022	460HR	04/03 RFO
21	11	2.26	23	2	TEA		UTE	-0.20	UTE	UTE				2036	460HR	04/03 RFO
21	30	0.14	50	2	VOL		013	+9.68	013	013				4012	460SI	04/03 RFO
		0.14	45	2	VOL		013	+5.56	013	013				4012	460SI	04/03 RFO
21	33	0.29	116	P 3	TWD 7		015	+0.83	015	015	WAR			4012	460SI	04/03 RFO
21	35	2.49	26	2	TEA		UTE	-0.20	UTE	UTE				2054	460HR	04/03 RFO
21	51	0.25	71	9	PLP		014	+1.02	014	014				4089	520SI	04/03 RFO
		1.17	50	P 4	SVI		014	+1.20	014	014				4089	520SI	04/03 RFO
		1.17	50	P 4	TWD 67		014	+1.20	014	014				4089	520SI	04/03 RFO
21	52	0.96	22	2	TEA		UTE	-0.17	UTE	UTE				2075	460HR	04/03 RFO
		0.93	79	2	SVI		014	+0.53	014	014				4018	460SI	04/03 RFO
		0.93	79	P 4	TWD 32		014	+0.53	014	014				4018	460SI	04/03 RFO
21	62	0.21	63	2	VOL		015	-7.15	015	015				4032	460SI	04/03 RFO
21	63	0.82	24	2	TEA		UTE	-0.15	UTE	UTE				2074	460HR	04/03 RFO
22	11	1.14	21	2	TEA		UTE	-0.17	UTE	UTE				2022	460HR	04/03 RFO
22	14	2.78	24	2	TEA		UTE	-0.09	UTE	UTE				2037	460HR	04/03 RFO
22	26	0.09	66	2	VOL		014	+9.80	014	014				4022	460SI	04/03 RFO
22	27	1.07	18	2	TEA		UTE	-0.19	UTE	UTE				2037	460HR	04/03 RFO
22	51	5.70	164	1	DNT		002	+5.96	002	002				4032	460SI	04/03 RFO
22	64	2.56	26	2	TEA		UTE	-0.16	UTE	UTE				2075	460HR	04/03 RFO
22	91	0.37	148	P 3	TWD 11		010	+0.57	010	010	WAR			4039	460SI	04/03 RFO
22	93	0.17	56	2	VOL		015	+0.00	015	015				4080	520SI	04/03 RFO
		6.87	179	1	DNT		015	+0.69	015	015				4080	520SI	04/03 RFO
		6.96	174	1	DNT		UTS	+0.14	UTS	UTS				4080	520SI	04/03 RFO
23	2	0.39	129	2	VOL		010	+0.46	010	010				4054	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
23	3	0.20	87	2	VOL		009	+14.54	009	009				4053	460SI	04/03 RFO
23	5	0.26	68	P 3	TWD	7	009	-0.51	009	009	WAR			4053	460SI	04/03 RFO
23	13	1.02	18	2	TEA		UTE	-0.16	UTE	UTE				2036	460HR	04/03 RFO
23	14	1.65	19	2	TEA		UTE	-0.15	UTE	UTE				2037	460HR	04/03 RFO
23	36	1.11	19	2	TEA		UTE	-0.19	UTE	UTE				2055	460HR	04/03 RFO
23	37	0.75	16	2	TEA		UTE	-0.14	UTE	UTE				2054	460HR	04/03 RFO
23	44	5.51	155	1	DNT		LTS	+18.42	LTS	LTS				4012	460SI	04/03 RFO
23	65	1.21	28	2	TEA		UTE	-0.13	UTE	UTE				2074	460HR	04/03 RFO
23	82	0.21	148	2	VOL		009	-0.11	009	009				4039	460SI	04/03 RFO
23	94	0.73	63	P 3	TWD	12	011	-0.82	011	011	WAR			4080	520SI	04/03 RFO
		4.17	182	1	DNT		UTS	+0.04	UTS	UTS				4080	520SI	04/03 RFO
24	4	0.69	76	P 3	TWD	13	009	+0.54	009	009	WAR			4047	520SI	04/03 RFO
24	5	0.37	119	2	VOL		009	-0.21	009	009				4103	520SI	04/03 RFO
		0.63	87	2	VOL		010	+0.57	010	010				4103	520SI	04/03 RFO
24	11	2.38	20	2	TEA		UTE	-0.21	UTE	UTE				2023	460HR	04/03 RFO
24	14	0.14	56	2	VOL		004	+10.12	004	004				4022	460SI	04/03 RFO
24	22	3.42	24	2	TEA		UTE	-0.22	UTE	UTE				2036	460HR	04/03 RFO
24	44	0.26	47	2	VOL		014	+0.24	014	014				4012	460SI	04/03 RFO
25	15	0.15	57	2	VOL		008	+10.90	008	008				4022	460SI	04/03 RFO
25	65	0.11	63	2	SAI		UTS	-14.18	UTS	UTS				4032	460SI	04/03 RFO
		0.11	63	2	TWD	73	UTS	-14.18	UTS	UTS				4032	460SI	04/03 RFO
		0.41	5	2	SVI		UTS	-13.19	UTS	UTS				4032	460SI	04/03 RFO
		0.29	158	2	TWD	0	UTS	-13.19	UTS	UTS				4032	460SI	04/03 RFO
25	66	2.09	21	2	TEA		UTE	-0.18	UTE	UTE				2075	460HR	04/03 RFO
25	67	2.30	23	2	TEA		UTE	-0.13	UTE	UTE				2074	460HR	04/03 RFO
25	81	1.09	37	2	TEA		UTE	-0.18	UTE	UTE				2090	460HR	04/03 RFO
25	94	1.06	129	P 3	TWD	25	009	+0.65	009	009	WAR			4039	460SI	04/03 RFO
		0.38	119	P 3	TWD	11	009	-0.59	009	009	WAR			4039	460SI	04/03 RFO
25	95	0.35	55	P 3	TWD	10	008	+0.55	008	008	WAR			4039	460SI	04/03 RFO
26	23	2.22	24	2	TEA		UTE	-0.17	UTE	UTE				2037	460HR	04/03 RFO
26	54	0.11	72	2	VOL		010	+16.77	010	010				4032	460SI	04/03 RFO
26	92	0.87	82	P 3	TWD	21	008	-0.39	008	008	WAR			4039	460SI	04/03 RFO
27	14	1.40	25	2	TEA		UTE	-0.15	UTE	UTE				2022	460HR	04/03 RFO
27	21	0.14	92	2	SAI		015	-14.79	015	015				4022	460SI	04/03 RFO
		0.14	92	2	TWD	33	015	-14.79	015	015				4022	460SI	04/03 RFO
		0.08	93	2	SAI		015	-14.19	015	015				4022	460SI	04/03 RFO
		0.08	93	2	TWD	32	015	-14.19	015	015				4022	460SI	04/03 RFO
27	24	1.16	17	2	TEA		UTE	-0.22	UTE	UTE				2037	460HR	04/03 RFO
27	68	0.25	78	2	VOL		014	+0.45	014	014				4018	460SI	04/03 RFO
27	72	0.19	69	2	VOL		015	+0.56	015	015				4018	460SI	04/03 RFO
27	92	0.09	66	2	VOL		010	+11.69	010	010				4080	520SI	04/03 RFO
27	98	0.26	65	P 3	TWD	4	011	-0.65	011	011	WAR			4080	520SI	04/03 RFO
		0.19	56	2	VOL		015	-1.83	015	015				4080	520SI	04/03 RFO
28	2	0.13	78	2	SAI		UTS	-5.71	UTS	UTS				4103	520SI	04/03 RFO
		0.13	78	2	TWD	34	UTS	-5.71	UTS	UTS				4103	520SI	04/03 RFO
		0.10	107	2	SAI		UTS	-5.94	UTS	UTS				4103	520SI	04/03 RFO
		0.10	107	2	TWD	0	UTS	-5.94	UTS	UTS				4103	520SI	04/03 RFO
		0.10	96	2	SAI		UTS	-10.21	UTS	UTS				4103	520SI	04/03 RFO
		0.10	96	2	TWD	0	UTS	-10.21	UTS	UTS				4103	520SI	04/03 RFO
28	56	0.20	42	2	VOL		013	-16.65	013	013				4032	460SI	04/03 RFO
28	60	0.16	73	2	TWD	42	012	-3.69	012	012				4032	460SI	04/03 RFO
		0.15	73	2	SAI		012	+9.72	012	012				4032	460SI	04/03 RFO
		0.15	73	2	TWD	42	012	+9.72	012	012				4032	460SI	04/03 RFO
		0.11	86	2	SAI		013	-13.90	013	013				4032	460SI	04/03 RFO
		0.11	86	2	TWD	0	013	-13.90	013	013				4032	460SI	04/03 RFO
		0.16	73	2	SAI		012	-3.69	012	012				4032	460SI	04/03 RFO
28	70	1.91	23	2	TEA		UTE	-0.16	UTE	UTE				2075	460HR	04/03 RFO
28	74	0.45	76	2	TWD	23	UTE	-1.16	UTE	UTE	CS			2075	460HR	04/03 RFO
		0.35	132	2	SVI		UTE	-1.16	UTE	UTE				2075	460HR	04/03 RFO
28	96	0.18	60	2	VOL		015	+23.33	015	015				4080	520SI	04/03 RFO
29	12	0.10	61	2	VOL		011	-13.68	011	011				4047	520SI	04/03 RFO
29	15	1.44	17	2	TEA		UTE	-0.18	UTE	UTE				2019	460HR	04/03 RFO
29	56	0.18	80	2	VOL		014	+1.17	014	014				4089	520SI	04/03 RFO
29	57	0.30	88	2	VOL		014	+1.06	014	014				4089	520SI	04/03 RFO
29	69	2.36	25	2	TEA		UTE	-0.20	UTE	UTE				2079	460HR	04/03 RFO
30	50	9.35	173	1	DNT		001	+10.93	001	001				4012	460SI	04/03 RFO
30	80	0.17	85	2	VOL		014	+1.04	014	014				4080	520SI	04/03 RFO
30	88	1.14	30	2	TEA		UTE	-0.15	UTE	UTE				2093	460HR	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
31	14	1.64	21	2	TEA		UTE	-0.18	UTE	UTE				2019	460HR	04/03 RFO
31	50	1.99	30	2	TEA		UTE	-0.24	UTE	UTE				2055	460HR	04/03 RFO
31	51	0.77	29	2	TEA		UTE	-0.15	UTE	UTE				2054	460HR	04/03 RFO
31	53	0.87	14	2	TEA		UTE	-0.24	UTE	UTE				2079	460HR	04/03 RFO
31	57	0.17	66	2	VOL		012	-14.07	012	012				4018	460SI	04/03 RFO
		0.14	130	2	VOL		014	-0.43	014	014				4018	460SI	04/03 RFO
		0.12	62	2	VOL		012	-16.22	012	012				4018	460SI	04/03 RFO
31	59	0.09	66	2	VOL		011	+7.37	011	011				4089	520SI	04/03 RFO
31	61	0.12	69	2	VOL		011	+3.16	011	011				4089	520SI	04/03 RFO
31	71	0.24	47	2	VOL		015	+0.55	015	015				4018	460SI	04/03 RFO
31	73	6.72	176	1	DNT		006	-1.76	006	006				4032	460SI	04/03 RFO
31	74	0.28	66	2	VOL		006	+17.31	006	006				4032	460SI	04/03 RFO
		0.12	65	2	VOL		010	-15.97	010	010				4032	460SI	04/03 RFO
31	90	0.13	49	2	VOL		007	-10.28	007	007				4080	520SI	04/03 RFO
31	105	0.16	53	2	VOL		UTS	-9.00	UTS	UTS				4061	520SI	04/03 RFO
32	14	0.21	42	2	VOL		008	-17.92	008	008				4046	460SI	04/03 RFO
32	69	0.09	78	2	SAI		014	+6.08	014	014				4089	520SI	04/03 RFO
		0.09	78	2	TWD	29	014	+6.08	014	014				4089	520SI	04/03 RFO
33	1	0.68	82	P 3	TWD	8	012	+0.71	012	012	WAR			4047	520SI	04/03 RFO
33	12	0.91	20	2	TEA		UTE	-0.19	UTE	UTE				2018	460HR	04/03 RFO
33	17	1.78	343	1	DNT		013	+6.37	013	013				4047	520SI	04/03 RFO
		0.20	23	2	SAI		013	+6.59	013	013				4047	520SI	04/03 RFO
		0.20	23	2	TWD	68	013	+6.59	013	013				4047	520SI	04/03 RFO
33	21	0.22	79	2	VOL		014	+1.00	014	014				4022	460SI	04/03 RFO
33	80	0.09	66	2	VOL		015	-17.71	015	015				4032	460SI	04/03 RFO
		0.08	66	2	VOL		015	-8.31	015	015				4032	460SI	04/03 RFO
34	6	0.18	52	2	VOL		009	-1.45	009	009				4047	520SI	04/03 RFO
34	41	0.10	74	2	VOL		007	-19.22	007	007				4012	460SI	04/03 RFO
34	45	0.21	33	2	VOL		014	+0.49	014	014				4012	460SI	04/03 RFO
34	64	0.12	64	2	VOL		004	+9.80	004	004				4036	460SI	04/03 RFO
34	86	0.24	103	2	VOL		003	-0.72	003	003				4080	520SI	04/03 RFO
34	87	0.52	58	P 3	TWD	9	015	+0.16	015	015	WAR			4080	520SI	04/03 RFO
34	88	0.07	48	2	VOL		011	+5.58	011	011				4080	520SI	04/03 RFO
35	1	2.16	5	P 3	DNT		015	+0.75	015	015				4047	520SI	04/03 RFO
35	2	0.28	79	2	VOL		UTS	-11.13	UTS	UTS				4103	520SI	04/03 RFO
35	41	0.45	112	P 3	TWD	10	015	+0.77	015	015	WAR			4012	460SI	04/03 RFO
35	42	0.26	117	2	VOL		014	+0.44	014	014				4012	460SI	04/03 RFO
35	52	4.27	164	1	DNT		LTS	+18.64	LTS	LTS				4012	460SI	04/03 RFO
35	90	0.16	68	2	VOL		001	+1.03	001	001				4080	520SI	04/03 RFO
36	1	0.15	99	2	VOL		010	+4.74	010	010				4047	520SI	04/03 RFO
36	4	0.07	83	2	VOL		013	+14.26	013	013				4047	520SI	04/03 RFO
36	22	0.28	94	2	VOL		015	+0.78	015	015				4022	460SI	04/03 RFO
36	44	0.25	154	P 3	TWD	6	015	+0.45	015	015	WAR			4012	460SI	04/03 RFO
36	47	0.08	63	2	SAI		011	+5.00	011	011				4012	460SI	04/03 RFO
		0.08	63	2	TWD	57	011	+5.00	011	011				4012	460SI	04/03 RFO
		0.07	61	2	SAI		011	+3.91	011	011				4012	460SI	04/03 RFO
		0.07	61	2	TWD	60	011	+3.91	011	011				4012	460SI	04/03 RFO
36	61	2.18	167	1	DNT		LTS	+7.27	LTS	LTS				4036	460SI	04/03 RFO
		3.04	171	1	DNT		LTS	+9.19	LTS	LTS				4036	460SI	04/03 RFO
		2.03	162	1	DNT		LTS	+14.34	LTS	LTS				4036	460SI	04/03 RFO
36	71	0.21	23	2	SAI		014	+14.07	014	014				4036	460SI	04/03 RFO
		0.21	23	2	TWD	68	014	+14.07	014	014				4036	460SI	04/03 RFO
36	93	0.08	91	2	SAI		011	-8.82	011	011				4080	520SI	04/03 RFO
		0.08	91	2	TWD	14	011	-8.82	011	011				4080	520SI	04/03 RFO
36	96	0.18	58	2	VOL		011	-7.11	011	011				4080	520SI	04/03 RFO
36	108	0.74	75	P 3	TWD	19	008	-0.81	008	008	WAR			4061	520SI	04/03 RFO
36	111	0.42	101	2	VOL		011	-0.67	011	011				4039	460SI	04/03 RFO
36	113	0.39	63	2	VOL		UTS	-11.31	UTS	UTS				4061	520SI	04/03 RFO
37	2	0.46	78	2	SVI		012	+1.14	012	012				4047	520SI	04/03 RFO
		0.46	78	2	TWD	39	012	+1.14	012	012				4047	520SI	04/03 RFO
37	4	0.14	103	2	VOL		014	+1.20	014	014				4047	520SI	04/03 RFO
37	22	0.11	64	2	VOL		008	+5.16	008	008				4022	460SI	04/03 RFO
37	30	0.16	79	2	SAI		011	-4.50	011	011				4070	460SI	04/03 RFO
		0.16	79	2	TWD	46	011	-4.50	011	011				4070	460SI	04/03 RFO
		0.17	73	2	SAI		011	+11.77	011	011				4022	460SI	04/03 RFO
		0.17	73	2	TWD	57	011	+11.77	011	011				4022	460SI	04/03 RFO
		0.10	93	2	SAI		011	+20.68	011	011				4022	460SI	04/03 RFO
		0.10	93	2	TWD	23	011	+20.68	011	011				4022	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.11	81	2	SAI		011		011					4022	460SI	04/03 RFO
		0.11	81	2	TWD	55	011		011					4022	460SI	04/03 RFO
		0.12	68	2	SAI		011		011					4022	460SI	04/03 RFO
		0.12	68	2	TWD	63	011		011					4022	460SI	04/03 RFO
		0.23	73	2	SAI		010		010					4022	460SI	04/03 RFO
		0.23	73	2	TWD	57	010		010					4022	460SI	04/03 RFO
37	47	0.23	59	2	VOL		002		002					4012	460SI	04/03 RFO
37	54	9.16	166	1	DNT		LTS		LTS					4012	460SI	04/03 RFO
37	66	0.09	62	2	VOL		001		001					4036	460SI	04/03 RFO
38	2	0.61	17	2	SAI		UTE		UTE	UTE	TR			2019	460HR	04/03 RFO
		0.61	17	2	TWD	50	UTE		UTE	UTE				2019	460HR	04/03 RFO
38	3	0.08	96	2	VOL		014		014					4046	460SI	04/03 RFO
38	4	0.26	78	2	VOL		014		014					4047	520SI	04/03 RFO
38	91	0.17	55	P 3	TWD	3	011		011	WAR				4080	520SI	04/03 RFO
38	115	0.35	68	P 3	TWD	17	007		007	WAR				4061	520SI	04/03 RFO
39	35	0.08	88	2	VOL		014		014					4022	460SI	04/03 RFO
39	74	1.82	25	2	TEA		UTE		UTE					2078	460HR	04/03 RFO
39	95	0.36	119	P 3	TWD	6	011		011	WAR				4050	520SI	04/03 RFO
39	114	0.26	76	2	VOL		013		013					4061	520SI	04/03 RFO
39	115	0.17	85	2	VOL		012		012					4061	520SI	04/03 RFO
40	2	1.12	87	P 3	TWD	12	013		013	WAR				4047	520SI	04/03 RFO
40	12	0.44	106	P 3	TWD	5	004		004	WAR				4047	520SI	04/03 RFO
40	31	0.25	74	2	VOL		UTS		UTS					4022	460SI	04/03 RFO
40	39	0.17	48	2	VOL		014		014					4022	460SI	04/03 RFO
40	115	0.45	110	P 3	TWD	10	012		012	WAR				4039	460SI	04/03 RFO
41	41	0.16	63	2	VOL		007		007					4022	460SI	04/03 RFO
41	63	0.77	15	2	TEA		UTE		UTE					2082	460HR	04/03 RFO
41	65	0.10	77	2	SAI		012		012					4036	460SI	04/03 RFO
		0.10	77	2	TWD	0	012		012					4036	460SI	04/03 RFO
		0.21	83	2	SAI		012		012					4036	460SI	04/03 RFO
		0.21	263	2	TWD	0	012		012					4036	460SI	04/03 RFO
		0.15	77	2	SAI		012		012					4036	460SI	04/03 RFO
		0.15	77	2	TWD	0	012		012					4036	460SI	04/03 RFO
41	77	4.37	165	1	DNT		014		014					4036	460SI	04/03 RFO
41	112	0.92	102	1	VOL		LTS		LTS					4061	520SI	04/03 RFO
41	113	0.64	110	P 3	TWD	13	009		009	WAR				4039	460SI	04/03 RFO
42	3	1.24	16	2	TEA		UTE		UTE					2018	460HR	04/03 RFO
42	96	0.13	73	2	VOL		012		012					4080	520SI	04/03 RFO
43	1	0.27	95	2	VOL		013		013					4047	520SI	04/03 RFO
43	7	0.55	91	2	VOL		008		008					4047	520SI	04/03 RFO
43	83	0.14	55	2	VOL		011		011					4010	460SI	04/03 RFO
43	116	0.72	95	P 3	TWD	18	009		009	WAR				4039	460SI	04/03 RFO
44	30	5.02	167	1	DNT		001		001					4022	460SI	04/03 RFO
44	31	2.20	164	1	DNT		001		001					4022	460SI	04/03 RFO
44	34	1.06	18	2	TEA		UTE		UTE					2030	460HR	04/03 RFO
44	66	1.71	68	2	VOL		007		007					4006	460SI	04/03 RFO
44	119	0.50	84	P 3	TWD	11	010		010	WAR				4050	520SI	04/03 RFO
		1.58	22	2	TEA		UTE		UTE					2097	460HR	04/03 RFO
45	1	0.06	56	2	VOL		UTS		UTS					4047	520SI	04/03 RFO
45	6	1.92	18	2	TEA		UTE		UTE					2014	460HR	04/03 RFO
45	32	0.19	36	2	VOL		014		014					4022	460SI	04/03 RFO
45	45	0.22	61	2	SAI		012		012					4012	460SI	04/03 RFO
		0.22	61	2	TWD	60	012		012					4012	460SI	04/03 RFO
		0.30	64	2	SAI		012		012					4012	460SI	04/03 RFO
		0.30	64	2	TWD	56	012		012					4012	460SI	04/03 RFO
45	64	0.10	59	2	VOL		010		010					4005	460SI	04/03 RFO
45	73	0.17	71	P 3	TWD	5	014		014	WAR				4006	460SI	04/03 RFO
45	112	0.17	74	2	VOL		003		003					4061	520SI	04/03 RFO
45	117	0.25	66	2	VOL		014		014					4061	520SI	04/03 RFO
46	7	0.14	99	2	VOL		015		015					4046	460SI	04/03 RFO
		4.79	183	1	DNT		LTS		LTS					4046	460SI	04/03 RFO
46	39	0.16	85	2	VOL		014		014					4022	460SI	04/03 RFO
46	59	0.15	90	2	VOL		015		015					4036	460SI	04/03 RFO
46	77	0.16	80	2	VOL		014		014					4005	460SI	04/03 RFO
46	105	0.08	95	2	VOL		UTS		UTS					4067	520SI	04/03 RFO
47	1	0.21	84	2	SAI		015		015					4047	520SI	04/03 RFO
		0.21	84	2	TWD	32	015		015					4047	520SI	04/03 RFO
		3.27	184	1	DNT		015		015					4047	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.23	55	2	SAI		015		015					4047	520SI	04/03 RFO
		0.23	55	2	TWD	76	015		015					4047	520SI	04/03 RFO
47	7	2.27	27	2	TEA		UTE		UTE					2014	460HR	04/03 RFO
47	57	0.17	46	2	VOL		UTS		UTS					4015	460SI	04/03 RFO
47	80	0.18	63	2	VOL		010		010					4005	460SI	04/03 RFO
47	83	0.82	9	2	TEA		UTE		UTE					2082	460HR	04/03 RFO
47	104	0.21	66	2	VOL		015		015					4067	520SI	04/03 RFO
48	7	0.44	94	P 3	TWD	5	004		004	004	WAR			4047	520SI	04/03 RFO
48	15	0.07	75	2	VOL		012		012					4046	460SI	04/03 RFO
48	16	0.77	68	P 3	TWD	9	003		003	003	WAR			4047	520SI	04/03 RFO
48	30	1.45	27	2	TEA		UTE		UTE					2030	460HR	04/03 RFO
48	31	0.28	79	2	VOL		015		015					4022	460SI	04/03 RFO
48	37	0.34	30	2	VOL		UTE		UTE	UTS	RHR			6101	460NR	04/03 RFO
		0.66	28	2	TWD	83	UTE		UTE	UTE				2031	460HR	04/03 RFO
		0.66	28	2	SAI		UTE		UTE	UTE	TR			2031	460HR	04/03 RFO
48	51	0.37	75	2	VOL		012		012					4015	460SI	04/03 RFO
48	80	0.15	66	2	VOL		014		014					4006	460SI	04/03 RFO
48	81	0.23	125	2	VOL		015		015					4005	460SI	04/03 RFO
48	117	0.53	137	P 3	TWD	12	015		015	015	WAR			4039	460SI	04/03 RFO
48	118	0.29	67	P 3	TWD	9	010		010	010	WAR			4039	460SI	04/03 RFO
49	2	0.23	84	2	SAI		UTS		UTS	UTS				4046	460SI	04/03 RFO
		3.06	359	1	DNT		UTS		UTS	UTS				4046	460SI	04/03 RFO
		0.23	84	2	TWD	78	UTS		UTS	UTS				4046	460SI	04/03 RFO
49	17	4.32	175	1	DNT		UTS		UTS	UTS				4046	460SI	04/03 RFO
49	46	0.10	78	2	VOL		010		010	010				4022	460SI	04/03 RFO
49	58	0.09	82	2	VOL		LTS		LTS	LTS				3014	460TS	04/03 RFO
49	118	0.52	93	P 3	TWD	14	015		015	015	WAR			4039	460SI	04/03 RFO
49	119	0.39	107	P 3	TWD	11	010		010	010	WAR			4039	460SI	04/03 RFO
49	123	0.69	126	P 3	TWD	11	011		011	011	WAR			4050	520SI	04/03 RFO
50	23	0.11	53	2	VOL		015		015	015				4047	520SI	04/03 RFO
50	37	0.22	75	2	VOL		014		014	014				4022	460SI	04/03 RFO
50	65	2.03	23	2	TEA		UTE		UTE	UTE				2082	460HR	04/03 RFO
50	75	0.86	10	2	TEA		UTE		UTE	UTE				2083	460HR	04/03 RFO
50	81	0.17	109	2	VOL		014		014	014				4005	460SI	04/03 RFO
50	82	3.19	346	1	DNT		LTS		LTS	LTS				4006	460SI	04/03 RFO
50	95	1.39	22	2	TEA		UTE		UTE	UTE				2097	460HR	04/03 RFO
		0.38	124	P 3	TWD	9	014		014	014	WAR			4039	460SI	04/03 RFO
50	106	0.27	64	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.27	64	2	TWD	64	010		010	010				4101	520SI	04/03 RFO
		0.24	63	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.24	63	2	TWD	66	010		010	010				4101	520SI	04/03 RFO
		0.29	73	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.29	73	2	TWD	43	010		010	010				4101	520SI	04/03 RFO
		0.20	71	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.20	71	2	TWD	49	010		010	010				4101	520SI	04/03 RFO
		0.26	64	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.26	64	2	TWD	64	010		010	010				4101	520SI	04/03 RFO
		0.17	52	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.17	52	2	TWD	81	010		010	010				4101	520SI	04/03 RFO
		0.23	62	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.23	62	2	TWD	67	010		010	010				4101	520SI	04/03 RFO
		0.28	61	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.28	61	2	TWD	69	010		010	010				4101	520SI	04/03 RFO
		0.36	66	2	SAI		010		010	010				4101	520SI	04/03 RFO
		0.36	66	2	TWD	60	010		010	010				4101	520SI	04/03 RFO
		0.07	76	2	SAI		011		011	011				4067	520SI	04/03 RFO
		0.07	76	2	TWD	31	011		011	011				4067	520SI	04/03 RFO
		0.05	88	2	SAI		011		011	011				4067	520SI	04/03 RFO
		0.05	88	2	TWD	1	011		011	011				4067	520SI	04/03 RFO
		0.11	73	2	SAI		011		011	011				4067	520SI	04/03 RFO
		0.11	73	2	TWD	40	011		011	011				4067	520SI	04/03 RFO
		0.19	75	2	SAI		011		011	011				4067	520SI	04/03 RFO
		0.19	75	2	TWD	34	011		011	011				4067	520SI	04/03 RFO
		0.05	87	2	SAI		011		011	011				4067	520SI	04/03 RFO
		0.05	87	2	TWD	1	011		011	011				4067	520SI	04/03 RFO
		0.06	86	2	SAI		011		011	011				4067	520SI	04/03 RFO
		0.06	86	2	TWD	1	011		011	011				4067	520SI	04/03 RFO
		0.12	72	2	SAI		011		011	011				4067	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.12	72	2	TWD	43	011	+12.93	011	011				4067	520SI	04/03 RFO
		0.08	80	2	SAI		011	+13.74	011	011				4067	520SI	04/03 RFO
		0.08	80	2	TWD	16	011	+13.74	011	011				4067	520SI	04/03 RFO
		0.14	80	2	SAI		011	+15.13	011	011				4067	520SI	04/03 RFO
		0.14	80	2	TWD	16	011	+15.13	011	011				4067	520SI	04/03 RFO
		0.15	75	2	SAI		012	-10.14	012	012				4067	520SI	04/03 RFO
		0.15	75	2	TWD	34	012	-10.14	012	012				4067	520SI	04/03 RFO
		0.05	79	2	SAI		012	-9.04	012	012				4067	520SI	04/03 RFO
		0.05	79	2	TWD	20	012	-9.04	012	012				4067	520SI	04/03 RFO
		0.07	77	2	SAI		012	-7.79	012	012				4067	520SI	04/03 RFO
		0.07	77	2	TWD	27	012	-7.79	012	012				4067	520SI	04/03 RFO
		0.08	74	2	SAI		012	-6.95	012	012				4067	520SI	04/03 RFO
		0.08	74	2	TWD	37	012	-6.95	012	012				4067	520SI	04/03 RFO
		0.07	63	2	SAI		012	-4.46	012	012				4067	520SI	04/03 RFO
		0.07	63	2	TWD	63	012	-4.46	012	012				4067	520SI	04/03 RFO
		0.13	72	2	SAI		012	-2.38	012	012				4067	520SI	04/03 RFO
		0.13	72	2	TWD	43	012	-2.38	012	012				4067	520SI	04/03 RFO
		0.12	82	2	SAI		012	+3.21	012	012				4067	520SI	04/03 RFO
		0.12	82	2	TWD	7	012	+3.21	012	012				4067	520SI	04/03 RFO
		0.14	75	2	SAI		012	+4.14	012	012				4067	520SI	04/03 RFO
		0.14	75	2	TWD	34	012	+4.14	012	012				4067	520SI	04/03 RFO
		0.05	89	2	SAI		012	+8.78	012	012				4067	520SI	04/03 RFO
		0.05	89	2	TWD	1	012	+8.78	012	012				4067	520SI	04/03 RFO
		0.12	81	2	SAI		012	+10.03	012	012				4067	520SI	04/03 RFO
		0.12	81	2	TWD	12	012	+10.03	012	012				4067	520SI	04/03 RFO
		0.10	75	2	SAI		012	+15.57	012	012				4067	520SI	04/03 RFO
		0.10	75	2	TWD	34	012	+15.57	012	012				4067	520SI	04/03 RFO
		0.07	75	2	SAI		012	+9.68	012	012				4067	520SI	04/03 RFO
		0.07	75	2	TWD	34	012	+9.68	012	012				4067	520SI	04/03 RFO
		0.06	66	2	SAI		012	+15.02	012	012				4067	520SI	04/03 RFO
		0.06	66	2	TWD	57	012	+15.02	012	012				4067	520SI	04/03 RFO
		0.06	75	2	SAI		013	-9.15	013	013				4067	520SI	04/03 RFO
		0.06	75	2	TWD	34	013	-9.15	013	013				4067	520SI	04/03 RFO
		0.07	85	2	SAI		013	-12.82	013	013				4067	520SI	04/03 RFO
		0.07	85	2	TWD	1	013	-12.82	013	013				4067	520SI	04/03 RFO
		0.08	57	2	SAI		014	-5.29	014	014				4067	520SI	04/03 RFO
		0.08	57	2	TWD	73	014	-5.29	014	014				4067	520SI	04/03 RFO
		0.09	74	2	SAI		014	-4.33	014	014				4067	520SI	04/03 RFO
		0.09	74	2	TWD	37	014	-4.33	014	014				4067	520SI	04/03 RFO
		0.11	61	2	SAI		014	-3.03	014	014				4067	520SI	04/03 RFO
		0.11	61	2	TWD	67	014	-3.03	014	014				4067	520SI	04/03 RFO
		0.07	79	2	SAI		014	+7.21	014	014				4067	520SI	04/03 RFO
		0.07	79	2	TWD	20	014	+7.21	014	014				4067	520SI	04/03 RFO
		0.11	83	2	SAI		014	+8.43	014	014				4067	520SI	04/03 RFO
		0.11	83	2	TWD	2	014	+8.43	014	014				4067	520SI	04/03 RFO
51	12	0.20	57	2	VOL		012	+8.02	012	012				4042	460SI	04/03 RFO
51	42	1.01	12	2	VOL		006	+16.02	006	006				4022	460SI	04/03 RFO
51	62	0.15	63	2	VOL		013	-4.74	013	013				4036	460SI	04/03 RFO
51	65	0.14	62	2	VOL		008	-19.66	008	008				4036	460SI	04/03 RFO
51	68	2.23	21	2	TEA		UTE	-0.22	UTE	UTE				2083	460HR	04/03 RFO
51	95	0.17	156	2	VOL		014	+0.27	014	014				4045	460SI	04/03 RFO
51	123	0.53	124	P 3	TWD	9	010	+0.30	010	010	WAR			4050	520SI	04/03 RFO
52	2	0.37	0	P 3	TWD	8	011	+0.58	011	011	WAR			4042	460SI	04/03 RFO
52	3	0.35	51	2	TWD	82	010	+4.35	010	010				4042	460SI	04/03 RFO
52	31	0.91	6	2	VOL		001	+16.30	001	001				4022	460SI	04/03 RFO
52	48	0.15	34	2	SAI		010	-8.99	010	010				4015	460SI	04/03 RFO
		0.15	34	2	TWD	99	010	-8.99	010	010				4015	460SI	04/03 RFO
		0.10	46	2	SAI		010	-10.16	010	010				4015	460SI	04/03 RFO
		0.10	46	2	TWD	94	010	-10.16	010	010				4015	460SI	04/03 RFO
		0.08	20	2	SAI		010	-11.36	010	010				4015	460SI	04/03 RFO
		0.08	20	2	TWD	57	010	-11.36	010	010				4015	460SI	04/03 RFO
		0.12	77	2	SAI		009	-4.93	009	009				4015	460SI	04/03 RFO
		0.12	77	2	TWD	0	009	-4.93	009	009				4015	460SI	04/03 RFO
52	52	0.12	50	2	VOL		015	+14.00	015	015				4015	460SI	04/03 RFO
52	71	0.14	52	2	VOL		004	-12.14	004	004				4009	460SI	04/03 RFO
52	72	0.29	46	2	VOL		003	-9.60	003	003				4010	460SI	04/03 RFO
52	82	0.24	43	2	SAI		015	-17.00	015	015				4005	460SI	04/03 RFO
		0.24	43	2	TWD	70	015	-17.00	015	015				4005	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
52	83	0.14	37	P 3	TWD 4	014	+0.13	014	014	WAR				4006	460SI	04/03 RFO
52	84	0.54	98	P 3	TWD 11	014	+0.28	014	014	WAR				4009	460SI	04/03 RFO
52	85	1.45	355	1	DNT	LTS	+0.00	LTS	LTS					4010	460SI	04/03 RFO
52	87	1.65	8	1	DNT	LTS	+0.00	LTS	LTS					4010	460SI	04/03 RFO
52	100	4.09	158	1	DNT	003	-3.84	003	003					4072	520SI	04/03 RFO
52	106	1.48	26	2	TEA	UTE	-0.17	UTE	UTE					2102	460HR	04/03 RFO
		0.09	80	2	SAI	010	+14.06	010	010					4067	520SI	04/03 RFO
		0.09	80	2	TWD 16	010	+14.06	010	010					4067	520SI	04/03 RFO
52	119	0.30	38	2	VOL	015	+0.23	015	015					4050	520SI	04/03 RFO
		0.24	26	2	VOL	015	-0.07	015	015					4050	520SI	04/03 RFO
53	1	0.55	71	P 3	TWD 6	013	-0.57	013	013	WAR				4047	520SI	04/03 RFO
53	2	0.77	100	P 3	TWD 16	011	+0.62	011	011	WAR				4042	460SI	04/03 RFO
53	3	0.31	0	P 3	TWD 7	011	+0.70	011	011	WAR				4042	460SI	04/03 RFO
53	35	0.18	49	2	VOL	007	+7.20	007	007					4022	460SI	04/03 RFO
53	50	0.08	98	2	VOL	LTS	+9.90	LTS	LTS					4015	460SI	04/03 RFO
53	74	1.35	17	2	TEA	UTE	-0.23	UTE	UTE					2083	460HR	04/03 RFO
53	86	1.66	355	1	DNT	LTS	+0.00	LTS	LTS					4010	460SI	04/03 RFO
53	88	1.60	347	1	DNT	LTS	+0.00	LTS	LTS					4010	460SI	04/03 RFO
		0.40	59	2	VOL	009	-6.84	009	009					4010	460SI	04/03 RFO
53	105	0.17	52	2	VOL	008	-17.83	008	008					4067	520SI	04/03 RFO
53	121	0.43	109	P 3	TWD 10	008	-0.38	008	008	WAR				4050	520SI	04/03 RFO
53	122	0.29	112	2	VOL	015	+0.26	015	015					4050	520SI	04/03 RFO
53	124	0.27	58	2	VOL	003	-4.76	003	003					4050	520SI	04/03 RFO
		0.63	112	P 3	TWD 10	009	-0.80	009	009	WAR				4050	520SI	04/03 RFO
53	125	0.68	38	2	MAI	UTE	-1.30	UTE	UTE	TR				2102	460HR	04/03 RFO
		0.68	38	2	TWD 96	UTE	-1.30	UTE	UTE					2102	460HR	04/03 RFO
54	2	1.42	0	P 3	TWD 27	013	-0.74	013	013	WAR				4042	460SI	04/03 RFO
54	3	0.25	0	P 3	TWD 6	011	+0.61	011	011	WAR				4042	460SI	04/03 RFO
54	4	0.30	151	2	VOL	LTS	-18.15	LTS	LTS					4042	460SI	04/03 RFO
54	67	0.05	53	2	VOL	013	+12.45	013	013					4009	460SI	04/03 RFO
54	73	0.08	37	2	VOL	014	-10.27	014	014					4010	460SI	04/03 RFO
54	80	0.40	56	2	VOL	003	+8.22	003	003					4010	460SI	04/03 RFO
54	87	1.48	2	1	DNT	LTS	+0.27	LTS	LTS					4010	460SI	04/03 RFO
54	89	1.08	1	1	DNT	LTS	+0.00	LTS	LTS					4010	460SI	04/03 RFO
54	106	0.10	77	2	SAI	010	-7.37	010	010					4067	520SI	04/03 RFO
		0.10	77	2	TWD 27	010	-7.37	010	010					4067	520SI	04/03 RFO
		0.12	74	2	SAI	010	-5.96	010	010					4067	520SI	04/03 RFO
		0.12	74	2	TWD 37	010	-5.96	010	010					4067	520SI	04/03 RFO
		0.05	88	2	SAI	010	-4.86	010	010					4067	520SI	04/03 RFO
		0.05	88	2	TWD 1	010	-4.86	010	010					4067	520SI	04/03 RFO
		0.06	90	2	SAI	010	-3.56	010	010					4067	520SI	04/03 RFO
		0.06	270	2	TWD 1	010	-3.56	010	010					4067	520SI	04/03 RFO
		0.13	67	2	SAI	010	-1.46	010	010					4067	520SI	04/03 RFO
		0.13	67	2	TWD 55	010	-1.46	010	010					4067	520SI	04/03 RFO
		0.07	76	2	SAI	010	+2.84	010	010					4067	520SI	04/03 RFO
		0.07	256	2	TWD 100	010	+2.84	010	010					4067	520SI	04/03 RFO
		0.18	74	2	SAI	010	+4.08	010	010					4067	520SI	04/03 RFO
		0.18	74	2	TWD 37	010	+4.08	010	010					4067	520SI	04/03 RFO
		0.17	78	2	SAI	010	+5.21	010	010					4067	520SI	04/03 RFO
		0.17	78	2	TWD 24	010	+5.21	010	010					4067	520SI	04/03 RFO
		0.15	74	2	SAI	011	-16.61	011	011					4067	520SI	04/03 RFO
		0.15	74	2	TWD 37	011	-16.61	011	011					4067	520SI	04/03 RFO
		0.14	74	2	SAI	011	+3.64	011	011					4067	520SI	04/03 RFO
		0.14	74	2	TWD 37	011	+3.64	011	011					4067	520SI	04/03 RFO
54	121	0.70	126	P 3	TWD 12	009	-0.54	009	009	WAR				4050	520SI	04/03 RFO
54	124	0.86	132	P 3	TWD 14	009	-0.50	009	009	WAR				4050	520SI	04/03 RFO
54	127	0.47	97	P 3	TWD 10	007	+0.43	007	007	WAR				4050	520SI	04/03 RFO
55	1	0.60	82	P 3	TWD 11	013	-0.66	013	013	WAR				4047	520SI	04/03 RFO
		0.76	72	P 3	TWD 9	012	-0.69	012	012	WAR				4047	520SI	04/03 RFO
55	11	0.16	71	2	VOL	012	-6.22	012	012					4042	460SI	04/03 RFO
55	29	0.19	73	2	VOL	008	-5.05	008	008					4022	460SI	04/03 RFO
55	46	0.21	103	2	VOL	013	-0.46	013	013					4022	460SI	04/03 RFO
55	73	0.37	71	2	SAI	010	+10.48	010	010					4010	460SI	04/03 RFO
		0.37	71	2	TWD 55	010	+10.48	010	010					4010	460SI	04/03 RFO
		0.20	71	2	SAI	010	+11.63	010	010					4010	460SI	04/03 RFO
		0.20	71	2	TWD 55	010	+11.63	010	010					4010	460SI	04/03 RFO
		0.32	68	2	SAI	010	+12.87	010	010					4010	460SI	04/03 RFO
		0.32	68	2	TWD 58	010	+12.87	010	010					4010	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.24	77	2	SAI		012	-14.27	012	012				4010	460SI	04/03 RFO
		0.24	77	2	TWD	48	012	-14.27	012	012				4010	460SI	04/03 RFO
55	90	0.90	352	1	DNT		LTS	+0.00	LTS	LTS				4010	460SI	04/03 RFO
55	101	0.09	75	2	SAI		010	+4.38	010	010				4067	520SI	04/03 RFO
		0.09	75	2	TWD	34	010	+4.38	010	010				4067	520SI	04/03 RFO
		0.06	99	2	SAI		010	+7.41	010	010				4067	520SI	04/03 RFO
		0.06	99	2	TWD	1	010	+7.41	010	010				4067	520SI	04/03 RFO
55	115	0.13	51	2	VOL		010	-15.81	010	010				4067	520SI	04/03 RFO
55	121	0.79	134	P 3	TWD	13	008	-0.76	008	008	WAR			4050	520SI	04/03 RFO
55	123	0.41	130	P 3	TWD	7	009	-0.79	009	009	WAR			4050	520SI	04/03 RFO
55	124	0.57	96	P 3	TWD	12	009	-0.67	009	009	WAR			4050	520SI	04/03 RFO
55	125	0.51	147	P 3	TWD	8	011	-0.54	011	011	WAR			4050	520SI	04/03 RFO
56	4	0.21	0	P 3	TWD	5	011	-0.71	011	011	WAR			4042	460SI	04/03 RFO
56	28	0.12	47	2	VOL		002	-16.91	002	002				4042	460SI	04/03 RFO
		0.08	34	2	VOL		002	-16.75	002	002				4042	460SI	04/03 RFO
56	59	0.11	57	2	VOL		012	-3.71	012	012				4003	460SI	04/03 RFO
56	88	2.30	1	1	DNT		LTS	+0.00	LTS	LTS				4010	460SI	04/03 RFO
56	102	0.06	83	2	SAI		009	+11.70	009	009				4067	520SI	04/03 RFO
		0.06	83	2	TWD	2	009	+11.70	009	009				4067	520SI	04/03 RFO
		0.07	78	2	SAI		009	+12.71	009	009				4067	520SI	04/03 RFO
		0.07	78	2	TWD	24	009	+12.71	009	009				4067	520SI	04/03 RFO
56	103	0.10	76	2	SAI		010	-5.26	010	010				4067	520SI	04/03 RFO
		0.10	76	2	TWD	31	010	-5.26	010	010				4067	520SI	04/03 RFO
		0.05	93	2	SAI		010	+17.17	010	010				4067	520SI	04/03 RFO
		0.05	93	2	TWD	1	010	+17.17	010	010				4067	520SI	04/03 RFO
56	122	0.26	92	2	VOL		011	-0.66	011	011				4050	520SI	04/03 RFO
56	124	0.43	85	P 3	TWD	10	010	+0.57	010	010	WAR			4050	520SI	04/03 RFO
56	126	0.18	51	2	SAI		011	-14.56	011	011				4050	520SI	04/03 RFO
		0.18	51	2	TWD	72	011	-14.56	011	011				4050	520SI	04/03 RFO
57	2	0.61	93	P 3	TWD	12	013	-0.62	013	013	WAR			4031	460SI	04/03 RFO
57	4	0.52	87	P 3	TWD	11	012	+0.79	012	012	WAR			4042	460SI	04/03 RFO
57	12	0.14	76	2	VOL		005	-12.45	005	005				4042	460SI	04/03 RFO
57	34	0.22	70	2	VOL		007	-6.25	007	007				4022	460SI	04/03 RFO
57	64	0.10	51	2	VOL		011	+12.06	011	011				4036	460SI	04/03 RFO
		0.08	50	2	VOL		011	-12.09	011	011				4036	460SI	04/03 RFO
57	70	3.25	21	2	TEA		UTE	-0.25	UTE	UTE				2087	460HR	04/03 RFO
57	78	1.03	15	2	TEA		UTE	-0.15	UTE	UTE				2087	460HR	04/03 RFO
57	79	0.08	120	2	VOL		UTE	-4.08	UTE	UTS	RHR			2067	460HR	04/03 RFO
		0.20	57	2	VOL		008	+2.96	008	008				4010	460SI	04/03 RFO
57	91	1.29	338	1	DNT		LTS	+0.31	LTS	LTS				4010	460SI	04/03 RFO
57	107	0.36	61	P 3	TWD	7	011	-0.70	011	011	WAR			4067	520SI	04/03 RFO
57	124	0.70	64	P 3	TWD	12	009	-0.66	009	009	WAR			4056	520SI	04/03 RFO
58	2	0.55	112	P 3	TWD	11	012	-0.64	012	012	WAR			4031	460SI	04/03 RFO
		1.41	102	P 3	TWD	24	013	-0.74	013	013	WAR			4031	460SI	04/03 RFO
		0.81	125	P 3	TWD	15	014	-0.72	014	014	WAR			4031	460SI	04/03 RFO
		1.46	89	P 3	TWD	25	014	+0.73	014	014	WAR			4031	460SI	04/03 RFO
58	4	0.46	0	P 3	TWD	10	011	-0.69	011	011	WAR			4042	460SI	04/03 RFO
58	9	1.18	11	2	TEA		UTE	-0.10	UTE	UTE				2010	460HR	04/03 RFO
58	12	0.25	58	2	VOL		015	+2.20	015	015				4042	460SI	04/03 RFO
58	20	0.28	145	P 3	TWD	5	011	-0.71	011	011	WAR			4042	460SI	04/03 RFO
58	56	0.11	69	2	SAI		013	-6.19	013	013				4003	460SI	04/03 RFO
		0.11	69	2	TWD	53	013	-6.19	013	013				4003	460SI	04/03 RFO
		0.08	74	2	SAI		013	-6.44	013	013				4003	460SI	04/03 RFO
		0.08	74	2	TWD	41	013	-6.44	013	013				4003	460SI	04/03 RFO
		0.09	79	2	SAI		013	-15.89	013	013				4003	460SI	04/03 RFO
		0.09	79	2	TWD	27	013	-15.89	013	013				4003	460SI	04/03 RFO
58	89	0.06	52	2	VOL		003	+12.69	003	003				4009	460SI	04/03 RFO
		0.21	69	2	SAI		UTS	-14.47	UTS	UTS				4009	460SI	04/03 RFO
		0.21	69	2	TWD	60	UTS	-14.47	UTS	UTS				4009	460SI	04/03 RFO
58	109	0.51	91	2	VOL		015	+10.18	015	015				4067	520SI	04/03 RFO
58	122	0.41	86	P 3	TWD	7	009	+0.84	009	009	WAR			4056	520SI	04/03 RFO
		0.44	100	P 3	TWD	8	009	-0.51	009	009	WAR			4056	520SI	04/03 RFO
58	125	0.83	86	P 3	TWD	14	009	-0.70	009	009	WAR			4056	520SI	04/03 RFO
58	126	0.56	97	P 3	TWD	10	011	-0.66	011	011	WAR			4056	520SI	04/03 RFO
59	9	0.11	71	2	VOL		012	+18.00	012	012				4042	460SI	04/03 RFO
59	117	0.63	102	P 3	TWD	11	009	-0.66	009	009	WAR			4056	520SI	04/03 RFO
59	120	0.66	73	P 3	TWD	11	009	-0.69	009	009	WAR			4056	520SI	04/03 RFO
59	121	0.43	73	P 3	TWD	7	010	+0.44	010	010	WAR			4056	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
59	124	0.41	96	P 3	TWD 7	011	-0.70	011	011	WAR				4056	520SI	04/03 RFO
60	1	0.84	126	P 3	TWD 16	012	+0.66	012	012	WAR				4031	460SI	04/03 RFO
60	3	0.96	117	P 3	TWD 18	011	-0.71	011	011	WAR				4031	460SI	04/03 RFO
		0.90	120	P 3	TWD 17	013	-0.69	013	013	WAR				4031	460SI	04/03 RFO
60	65	0.99	12	2	TEA	UTE	-0.25	UTE	UTE					2114	460HR	04/03 RFO
60	76	0.12	69	2	VOL	010	+5.30	010	010					4010	460SI	04/03 RFO
60	80	0.72	91	P 3	TWD 13	005	+0.75	005	005	WAR				4010	460SI	04/03 RFO
		0.06	77	2	SAI	012	+10.94	012	012					4010	460SI	04/03 RFO
		0.06	77	2	TWD 48	012	+10.94	012	012					4010	460SI	04/03 RFO
60	85	0.08	57	2	SAI	008	-6.51	008	008					4010	460SI	04/03 RFO
		0.08	57	2	TWD 70	008	-6.51	008	008					4010	460SI	04/03 RFO
60	89	1.08	24	2	TEA	UTE	-0.15	UTE	UTE					2086	460HR	04/03 RFO
60	117	7.50	172	1	DNT	003	-3.30	003	003					4067	520SI	04/03 RFO
60	122	8.57	172	1	DNT	005	-4.89	005	005					4067	520SI	04/03 RFO
60	125	0.54	71	P 3	TWD 9	009	-0.63	009	009	WAR				4056	520SI	04/03 RFO
		0.33	105	P 3	TWD 6	010	+0.84	010	010	WAR				4056	520SI	04/03 RFO
60	126	0.59	84	P 3	TWD 10	009	-0.42	009	009	WAR				4056	520SI	04/03 RFO
61	3	0.63	101	P 3	TWD 12	011	-0.68	011	011	WAR				4031	460SI	04/03 RFO
		0.36	138	P 3	TWD 7	013	-0.75	013	013	WAR				4031	460SI	04/03 RFO
61	5	0.30	59	2	VOL	LTS	-0.02	LTS	LTS					4042	460SI	04/03 RFO
61	32	0.07	59	2	VOL	009	+16.26	009	009					4022	460SI	04/03 RFO
61	33	0.11	92	2	SAI	015	+17.20	015	015					4020	460SI	04/03 RFO
		0.11	92	2	TWD 0	015	+17.20	015	015					4020	460SI	04/03 RFO
		0.06	81	2	SAI	013	+3.12	013	013					4020	460SI	04/03 RFO
		0.06	81	2	TWD 21	013	+3.12	013	013					4020	460SI	04/03 RFO
		0.09	63	2	SAI	013	+2.09	013	013					4020	460SI	04/03 RFO
		0.09	243	2	TWD 0	013	+2.09	013	013					4020	460SI	04/03 RFO
61	51	0.08	101	P 4	SVI	012	-10.13	012	012					4003	460SI	04/03 RFO
		0.08	101	P 4	TWD 25	012	-10.13	012	012					4003	460SI	04/03 RFO
61	71	0.18	65	2	SAI	009	-4.31	009	009					4005	460SI	04/03 RFO
		0.18	65	2	TWD 66	009	-4.31	009	009					4005	460SI	04/03 RFO
		0.15	71	2	SAI	009	-3.06	009	009					4005	460SI	04/03 RFO
		0.15	71	2	TWD 59	009	-3.06	009	009					4005	460SI	04/03 RFO
61	86	1.22	26	2	TEA	UTE	-0.17	UTE	UTE					2086	460HR	04/03 RFO
		0.28	87	2	VOL	015	+0.91	015	015					4009	460SI	04/03 RFO
61	98	0.13	41	2	VOL	014	+14.90	014	014					4067	520SI	04/03 RFO
		0.26	57	2	VOL	015	+10.16	015	015					4067	520SI	04/03 RFO
61	118	0.44	112	P 3	TWD 8	009	-0.76	009	009	WAR				4067	520SI	04/03 RFO
61	121	0.23	79	2	VOL	014	+1.30	014	014					4061	520SI	04/03 RFO
62	1	3.31	11	P 1	DRS	UTE	-0.94	UTE	UTE	SLV				1003	400PS	04/03 RFO
62	8	0.36	84	P 3	TWD 10	010	+0.53	010	010	WAR				4040	460SI	04/03 RFO
62	9	1.04	20	2	TEA	UTE	-0.24	UTE	UTE					2006	460HR	04/03 RFO
62	17	0.49	42	2	SAI	UTS	-7.18	UTS	UTS					4040	460SI	04/03 RFO
		0.49	42	2	TWD 88	UTS	-7.18	UTS	UTS					4040	460SI	04/03 RFO
62	18	0.96	42	2	SAI	UTS	-6.33	UTS	UTS					4040	460SI	04/03 RFO
		0.96	42	2	TWD 88	UTS	-6.33	UTS	UTS					4040	460SI	04/03 RFO
62	20	0.34	50	2	SAI	UTS	-6.40	UTS	UTS					4040	460SI	04/03 RFO
		0.34	50	2	TWD 77	UTS	-6.40	UTS	UTS					4040	460SI	04/03 RFO
62	35	0.21	71	2	SAI	012	-1.40	012	012					4020	460SI	04/03 RFO
		0.21	71	2	TWD 47	012	-1.40	012	012					4020	460SI	04/03 RFO
62	52	0.06	48	2	SAI	015	+19.83	015	015					4003	460SI	04/03 RFO
		0.06	48	2	TWD 81	015	+19.83	015	015					4003	460SI	04/03 RFO
		0.10	57	2	SAI	015	-3.64	015	015					4003	460SI	04/03 RFO
		0.10	57	2	TWD 58	015	-3.64	015	015					4003	460SI	04/03 RFO
		0.11	99	2	SAI	015	-6.42	015	015					4003	460SI	04/03 RFO
		0.11	99	2	TWD 14	015	-6.42	015	015					4003	460SI	04/03 RFO
62	115	0.34	51	2	VOL	004	-7.49	004	004					4067	520SI	04/03 RFO
62	126	1.30	74	P 3	TWD 20	009	-0.61	009	009	WAR				4056	520SI	04/03 RFO
63	1	3.73	21	P 1	DRS	UTE	-0.75	UTE	UTE	SLV				1003	400PS	04/03 RFO
63	18	0.39	40	2	SAI	UTS	-8.50	UTS	UTS					4040	460SI	04/03 RFO
		0.39	40	2	TWD 91	UTS	-8.50	UTS	UTS					4040	460SI	04/03 RFO
63	21	0.18	44	2	SAI	003	+6.03	003	003					4040	460SI	04/03 RFO
		0.18	44	2	TWD 85	003	+6.03	003	003					4040	460SI	04/03 RFO
		0.21	55	2	VOL	002	+13.18	002	002					4040	460SI	04/03 RFO
63	22	0.48	45	2	TWD 84	UTS	-9.70	UTS	UTS					4040	460SI	04/03 RFO
		0.31	37	2	SAI	UTS	-9.28	UTS	UTS					4040	460SI	04/03 RFO
		0.31	37	2	TWD 95	UTS	-9.28	UTS	UTS					4040	460SI	04/03 RFO
		1.10	47	2	SAI	UTS	-8.44	UTS	UTS					4040	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		1.10	47	2	TWD	81	UTS	-8.44	UTS	UTS				4040	460SI	04/03 RFO
		0.48	45	2	SAI		UTS	-9.70	UTS	UTS				4040	460SI	04/03 RFO
63	25	0.52	31	2	TWD	91	UTS	-8.16	UTS	UTS				4040	460SI	04/03 RFO
		0.52	31	2	SAI		UTS	-8.16	UTS	UTS				4040	460SI	04/03 RFO
63	54	0.12	72	2	SAI		012	+15.08	012	012				4003	460SI	04/03 RFO
		0.12	72	2	TWD	45	012	+15.08	012	012				4003	460SI	04/03 RFO
		0.09	62	2	SAI		012	+13.59	012	012				4003	460SI	04/03 RFO
		0.09	62	2	TWD	53	012	+13.59	012	012				4003	460SI	04/03 RFO
		0.09	109	2	SAI		012	-16.18	012	012				4003	460SI	04/03 RFO
		0.09	109	2	TWD	20	012	-16.18	012	012				4003	460SI	04/03 RFO
63	61	0.13	64	2	VOL		014	+0.00	014	014				4003	460SI	04/03 RFO
63	89	0.17	66	2	VOL		012	+10.76	012	012				4009	460SI	04/03 RFO
63	127	0.97	27	2	TEA		UTE	-0.24	UTE	UTE				2106	460HR	04/03 RFO
64	2	0.75	118	P 3	TWD	14	011	+0.53	011	011	WAR			4031	460SI	04/03 RFO
64	3	3.11	11	P 1	DRS		UTE	-0.81	UTE	UTE	SLV			1002	400PS	04/03 RFO
64	11	0.76	28	2	TWD	81	UTE	-1.14	UTE	UTE				2006	460HR	04/03 RFO
		0.76	28	2	SAI		UTE	-1.14	UTE	UTE	TR			2006	460HR	04/03 RFO
64	12	0.13	59	2	VOL		UTS	-0.40	UTS	UTS				4040	460SI	04/03 RFO
64	35	0.05	63	2	SAI		UTS	-13.64	UTS	UTS				4020	460SI	04/03 RFO
		0.06	74	2	TWD	40	UTS	-13.64	UTS	UTS				4020	460SI	04/03 RFO
64	43	0.14	54	2	VOL		UTS	-21.95	UTS	UTS				4020	460SI	04/03 RFO
64	48	0.13	64	2	VOL		009	-10.58	009	009				4020	460SI	04/03 RFO
64	73	0.43	120	2	SAI		008	+0.14	008	008				4079	520SI	04/03 RFO
		0.43	120	2	TWD	1	008	+0.14	008	008				4079	520SI	04/03 RFO
		0.43	65	2	SAI		011	+0.08	011	011				4079	520SI	04/03 RFO
		0.43	65	2	TWD	45	011	+0.08	011	011				4079	520SI	04/03 RFO
		0.09	73	2	TWD	55	UTS	-13.41	UTS	UTS				4004	460SI	04/03 RFO
		0.09	73	2	SAI		UTS	-13.41	UTS	UTS				4004	460SI	04/03 RFO
64	110	0.18	38	2	SAI		015	-1.95	015	015				4067	520SI	04/03 RFO
		0.18	38	2	TWD	44	015	-1.95	015	015				4067	520SI	04/03 RFO
64	126	0.42	76	P 3	TWD	7	009	-0.69	009	009	WAR			4056	520SI	04/03 RFO
65	3	0.49	93	P 3	TWD	10	013	-0.79	013	013	WAR			4031	460SI	04/03 RFO
65	18	0.36	53	2	VOL		004	-0.81	004	004				4040	460SI	04/03 RFO
65	23	0.09	48	2	VOL		001	-15.43	001	001				4040	460SI	04/03 RFO
65	33	0.15	46	2	SAI		014	-14.72	014	014				4020	460SI	04/03 RFO
		0.15	46	2	TWD	87	014	-14.72	014	014				4020	460SI	04/03 RFO
65	74	0.48	62	2	SAI		008	+16.56	008	008				4004	460SI	04/03 RFO
		0.48	62	2	TWD	68	008	+16.56	008	008				4004	460SI	04/03 RFO
		0.20	94	2	SAI		010	+11.77	010	010				4004	460SI	04/03 RFO
		0.20	94	2	TWD	30	010	+11.77	010	010				4004	460SI	04/03 RFO
65	125	0.98	81	P 3	TWD	16	008	-0.71	008	008	WAR			4056	520SI	04/03 RFO
		0.15	78	2	SAI		010	-14.17	010	010				4056	520SI	04/03 RFO
		0.15	78	2	TWD	39	010	-14.17	010	010				4056	520SI	04/03 RFO
		0.19	80	2	SAI		010	-15.33	010	010				4056	520SI	04/03 RFO
		0.19	80	2	TWD	35	010	-15.33	010	010				4056	520SI	04/03 RFO
		0.16	72	2	SAI		010	-17.74	010	010				4056	520SI	04/03 RFO
		0.16	72	2	TWD	51	010	-17.74	010	010				4056	520SI	04/03 RFO
		0.21	75	2	SAI		010	-18.55	010	010				4056	520SI	04/03 RFO
		0.21	75	2	TWD	46	010	-18.55	010	010				4056	520SI	04/03 RFO
		0.19	80	2	SAI		010	-19.80	010	010				4056	520SI	04/03 RFO
		0.19	80	2	TWD	35	010	-19.80	010	010				4056	520SI	04/03 RFO
		0.27	80	2	SAI		010	-20.70	010	010				4056	520SI	04/03 RFO
		0.27	80	2	TWD	35	010	-20.70	010	010				4056	520SI	04/03 RFO
66	3	2.82	11	P 1	DRS		015	-3.98	015	015	SLV			1002	400PS	04/03 RFO
		0.45	51	2	VOL		011	-0.69	011	011				4031	460SI	04/03 RFO
66	23	0.17	90	2	SAI		014	-8.03	014	014				4040	460SI	04/03 RFO
		0.17	90	2	TWD	32	014	-8.03	014	014				4040	460SI	04/03 RFO
		0.11	75	2	SAI		010	+14.74	010	010				4040	460SI	04/03 RFO
		0.11	75	2	TWD	47	010	+14.74	010	010				4040	460SI	04/03 RFO
		0.17	58	2	TWD	67	010	+3.80	010	010				4040	460SI	04/03 RFO
		0.17	58	2	SAI		010	+3.80	010	010				4040	460SI	04/03 RFO
66	45	0.34	98	2	VOL		006	+0.55	006	006				4020	460SI	04/03 RFO
66	100	0.11	64	2	SAI		UTS	-14.55	UTS	UTS				4045	460SI	04/03 RFO
		0.11	64	2	TWD	73	UTS	-14.55	UTS	UTS				4045	460SI	04/03 RFO
66	126	0.81	80	P 3	TWD	13	008	-0.63	008	008	WAR			4056	520SI	04/03 RFO
		0.37	88	P 3	TWD	7	008	+0.67	008	008	WAR			4056	520SI	04/03 RFO
66	128	0.73	68	P 3	TWD	12	009	-0.79	009	009	WAR			4056	520SI	04/03 RFO
67	2	8.82	17	P 1	DRS		UTE	-0.81	UTE	UTE	SLV			1002	400PS	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
67	7	0.29	119	2	VOL		011	-0.75	011	011				4031	460SI	04/03 RFO
67	18	0.36	43	2	VOL		004	-0.72	004	004				4040	460SI	04/03 RFO
67	34	0.26	88	2	VOL		011	-0.78	011	011				4040	460SI	04/03 RFO
67	37	0.18	98	2	SAI		014	-1.79	014	014				4020	460SI	04/03 RFO
		0.18	98	2	TWD	0	014	-1.79	014	014				4020	460SI	04/03 RFO
		0.14	60	2	TWD	68	014	-9.16	014	014				4020	460SI	04/03 RFO
		0.07	62	2	SAI		014	-10.24	014	014				4020	460SI	04/03 RFO
		0.07	62	2	TWD	65	014	-10.24	014	014				4020	460SI	04/03 RFO
		0.11	67	2	SAI		014	-10.63	014	014				4020	460SI	04/03 RFO
		0.11	67	2	TWD	55	014	-10.63	014	014				4020	460SI	04/03 RFO
		0.17	78	2	SAI		014	-11.76	014	014				4020	460SI	04/03 RFO
		0.17	78	2	TWD	30	014	-11.76	014	014				4020	460SI	04/03 RFO
		0.16	78	2	SAI		014	-12.57	014	014				4020	460SI	04/03 RFO
		0.16	78	2	TWD	30	014	-12.57	014	014				4020	460SI	04/03 RFO
		0.12	73	2	SAI		014	-18.17	014	014				4020	460SI	04/03 RFO
		0.12	73	2	TWD	42	014	-18.17	014	014				4020	460SI	04/03 RFO
		0.50	158	P 3	TWD	11	009	+0.72	009	009	WAR			4020	460SI	04/03 RFO
		0.09	125	2	SAI		015	-9.90	015	015				4020	460SI	04/03 RFO
		0.10	124	2	TWD	0	015	-9.90	015	015				4020	460SI	04/03 RFO
		0.11	63	2	SAI		014	-9.16	014	014				4020	460SI	04/03 RFO
67	95	0.25	82	2	SAI		009	+18.91	009	009				4045	460SI	04/03 RFO
		0.25	82	2	TWD	0	009	+18.91	009	009				4045	460SI	04/03 RFO
		0.36	73	2	SAI		010	+8.87	010	010				4045	460SI	04/03 RFO
		0.36	73	2	TWD	4	010	+8.87	010	010				4045	460SI	04/03 RFO
67	105	0.13	65	2	VOL		009	-9.26	009	009				4045	460SI	04/03 RFO
67	124	0.53	69	P 3	TWD	9	007	-0.36	007	007	WAR			4056	520SI	04/03 RFO
67	127	1.44	48	2	TWD	77	014	+0.62	014	014				4061	520SI	04/03 RFO
		1.22	51	2	SVI		014	+0.62	014	014				4061	520SI	04/03 RFO
67	129	0.15	67	2	SAI		012	-15.15	012	012				4056	520SI	04/03 RFO
		0.15	67	2	TWD	60	012	-15.15	012	012				4056	520SI	04/03 RFO
67	130	0.95	43	P 4	SVI		012	+1.13	012	012				4056	520SI	04/03 RFO
		0.95	43	P 4	TWD	67	012	+1.13	012	012				4056	520SI	04/03 RFO
68	2	3.86	14	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1002	400PS	04/03 RFO
		0.30	107	P 3	TWD	6	011	-0.57	011	011	WAR			4031	460SI	04/03 RFO
		0.83	127	P 3	TWD	15	011	+0.58	011	011	WAR			4031	460SI	04/03 RFO
68	5	0.39	56	P 3	TWD	8	010	+0.56	010	010	WAR			4031	460SI	04/03 RFO
68	6	0.28	94	2	VOL		010	+0.63	010	010				4031	460SI	04/03 RFO
68	10	0.69	146	P 3	TWD	14	010	-0.58	010	010	WAR			4037	460SI	04/03 RFO
68	11	0.51	155	P 3	TWD	11	010	-0.64	010	010	WAR			4037	460SI	04/03 RFO
68	12	0.82	146	P 3	TWD	16	010	-0.59	010	010	WAR			4037	460SI	04/03 RFO
68	13	0.38	139	P 3	TWD	8	011	+0.57	011	011	WAR			4037	460SI	04/03 RFO
		1.00	137	P 3	TWD	19	010	-0.55	010	010	WAR			4037	460SI	04/03 RFO
68	20	0.36	117	P 3	TWD	7	008	-0.75	008	008	WAR			4040	460SI	04/03 RFO
68	23	0.54	86	P 3	TWD	10	010	-0.86	010	010	WAR			4040	460SI	04/03 RFO
68	53	0.29	54	2	SAI		014	+12.68	014	014				4003	460SI	04/03 RFO
		0.28	63	2	TWD	63	014	+12.68	014	014				4003	460SI	04/03 RFO
68	65	0.18	81	2	VOL		003	-13.60	003	003				4004	460SI	04/03 RFO
68	66	0.31	42	P 3	TWD	6	004	+0.66	004	004	WAR			4004	460SI	04/03 RFO
68	81	0.30	67	2	SAI		011	-13.70	011	011				4010	460SI	04/03 RFO
		0.30	67	2	TWD	59	011	-13.70	011	011				4010	460SI	04/03 RFO
		0.22	71	2	SAI		011	-14.66	011	011				4010	460SI	04/03 RFO
		0.22	71	2	TWD	55	011	-14.66	011	011				4010	460SI	04/03 RFO
		0.36	80	2	SAI		012	-7.11	012	012				4010	460SI	04/03 RFO
		0.36	80	2	TWD	45	012	-7.11	012	012				4010	460SI	04/03 RFO
		0.42	71	2	SAI		012	-8.18	012	012				4010	460SI	04/03 RFO
		0.42	71	2	TWD	55	012	-8.18	012	012				4010	460SI	04/03 RFO
		0.36	78	2	SAI		012	-9.53	012	012				4010	460SI	04/03 RFO
		0.36	78	2	TWD	47	012	-9.53	012	012				4010	460SI	04/03 RFO
68	88	1.37	19	2	TEA		UTE	-0.18	UTE	UTE				2087	460HR	04/03 RFO
68	91	0.11	101	2	SAI		009	-6.64	009	009				4009	460SI	04/03 RFO
		0.11	101	2	TWD	0	009	-6.64	009	009				4009	460SI	04/03 RFO
68	100	0.25	108	P 3	TWD	8	015	+0.64	015	015	WAR			4045	460SI	04/03 RFO
		0.16	77	2	SAI		UTS	-16.23	UTS	UTS				4045	460SI	04/03 RFO
		0.12	78	2	SAI		UTS	-14.77	UTS	UTS				4045	460SI	04/03 RFO
		0.16	77	2	TWD	0	UTS	-16.23	UTS	UTS				4045	460SI	04/03 RFO
		0.12	78	2	TWD	0	UTS	-14.77	UTS	UTS				4045	460SI	04/03 RFO
68	127	0.64	118	P 3	TWD	11	008	+0.22	008	008	WAR			4056	520SI	04/03 RFO
68	129	0.45	133	P 3	TWD	8	007	+0.74	007	007	WAR			4056	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
69	6	0.51	72	2	VOL		011	-1.89	011	011				4031	460SI	04/03 RFO
69	12	0.62	157	P 3	TWD	13	010	-0.63	010	010	WAR			4037	460SI	04/03 RFO
69	14	0.15	78	2	VOL		UTS	-0.29	UTS	UTS				4037	460SI	04/03 RFO
		0.62	146	P 3	TWD	13	013	-0.69	013	013	WAR			4037	460SI	04/03 RFO
69	15	0.21	92	2	VOL		015	+1.24	015	015				4037	460SI	04/03 RFO
		0.47	149	P 3	TWD	10	015	+0.64	015	015	WAR			4037	460SI	04/03 RFO
		0.37	158	P 3	TWD	8	008	-0.65	008	008	WAR			4037	460SI	04/03 RFO
69	23	0.21	56	2	SAI		011	+0.23	011	011				4037	460SI	04/03 RFO
		0.21	56	2	TWD	77	011	+0.23	011	011				4037	460SI	04/03 RFO
69	31	1.29	173	1	DNT		UTS	+0.33	UTS	UTS				4020	460SI	04/03 RFO
69	33	1.33	170	1	DNT		UTS	+0.14	UTS	UTS				4020	460SI	04/03 RFO
69	35	1.50	358	1	DNT		UTS	+0.06	UTS	UTS				4020	460SI	04/03 RFO
69	41	0.38	147	P 3	TWD	9	008	+0.69	008	008	WAR			4020	460SI	04/03 RFO
69	44	0.81	23	2	VOL		009	+0.75	009	009				4020	460SI	04/03 RFO
		0.32	24	P 3	TWD	9	009	-0.71	009	009	WAR			4020	460SI	04/03 RFO
		0.59	85	P 3	TWD	13	006	+0.80	006	006	WAR			4020	460SI	04/03 RFO
69	46	0.60	143	P 3	TWD	13	006	+0.71	006	006	WAR			4020	460SI	04/03 RFO
69	53	0.27	62	2	SAI		UTS	-12.39	UTS	UTS				4003	460SI	04/03 RFO
		0.27	62	2	TWD	65	UTS	-12.39	UTS	UTS				4003	460SI	04/03 RFO
		0.22	63	2	SAI		UTS	-12.92	UTS	UTS				4003	460SI	04/03 RFO
		0.22	63	2	TWD	63	UTS	-12.92	UTS	UTS				4003	460SI	04/03 RFO
		0.17	52	2	SAI		UTS	-13.77	UTS	UTS				4003	460SI	04/03 RFO
		0.17	52	2	TWD	77	UTS	-13.77	UTS	UTS				4003	460SI	04/03 RFO
69	72	0.08	62	2	SAI		010	+3.08	010	010				4004	460SI	04/03 RFO
		0.08	62	2	TWD	68	010	+3.08	010	010				4004	460SI	04/03 RFO
		0.13	93	2	SAI		010	+22.51	010	010				4004	460SI	04/03 RFO
		0.13	93	2	TWD	31	010	+22.51	010	010				4004	460SI	04/03 RFO
		0.06	47	2	SAI		010	+33.48	010	010				4004	460SI	04/03 RFO
		0.06	47	2	TWD	84	010	+33.48	010	010				4004	460SI	04/03 RFO
		0.14	53	2	SAI		UTS	-23.67	UTS	UTS				4004	460SI	04/03 RFO
		0.14	53	2	TWD	78	UTS	-23.67	UTS	UTS				4004	460SI	04/03 RFO
		0.16	108	2	SAI		UTS	-20.35	UTS	UTS				4004	460SI	04/03 RFO
		0.16	108	2	TWD	12	UTS	-20.35	UTS	UTS				4004	460SI	04/03 RFO
		0.11	86	2	SAI		UTS	-14.06	UTS	UTS				4004	460SI	04/03 RFO
		0.11	86	2	TWD	40	UTS	-14.06	UTS	UTS				4004	460SI	04/03 RFO
69	74	3.32	186	1	DNT		010	-18.28	010	010				4004	460SI	04/03 RFO
69	109	0.12	33	2	VOL		LTS	+19.43	LTS	LTS				4045	460SI	04/03 RFO
70	3	0.69	111	P 3	TWD	13	011	-0.19	011	011	WAR			4031	460SI	04/03 RFO
		1.03	105	P 3	TWD	19	011	+0.79	011	011	WAR			4031	460SI	04/03 RFO
70	7	4.07	11	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1003	400PS	04/03 RFO
		6.15	9	P 1	DRS		015	-4.46	015	015	SLV			1003	400PS	04/03 RFO
		3.88	11	P 1	DRS		015	-6.43	015	015	SLV			1003	400PS	04/03 RFO
		0.64	105	P 3	TWD	12	010	+0.68	010	010	WAR			4031	460SI	04/03 RFO
70	8	0.55	117	P 3	TWD	11	011	+0.68	011	011	WAR			4031	460SI	04/03 RFO
		0.36	50	P 3	TWD	7	013	-0.67	013	013	WAR			4031	460SI	04/03 RFO
70	9	0.68	123	P 3	TWD	13	010	+0.59	010	010	WAR			4031	460SI	04/03 RFO
		0.28	74	2	VOL		011	+6.88	011	011				4031	460SI	04/03 RFO
70	10	0.61	37	P 3	TWD	13	009	+0.60	009	009	WAR			4037	460SI	04/03 RFO
70	11	0.21	115	2	VOL		012	-1.26	012	012				4037	460SI	04/03 RFO
		0.22	78	2	VOL		012	-4.00	012	012				4037	460SI	04/03 RFO
70	12	1.26	143	P 3	TWD	23	013	-0.61	013	013	WAR			4037	460SI	04/03 RFO
70	13	0.25	106	2	VOL		012	-1.04	012	012				4037	460SI	04/03 RFO
		0.19	114	2	VOL		012	-1.17	012	012				4037	460SI	04/03 RFO
		0.36	83	P 3	TWD	8	011	+0.54	011	011	WAR			4037	460SI	04/03 RFO
70	18	0.76	47	2	SVI		015	-0.76	015	015				903	460LW	04/03 RFO
		0.34	78	9	PLP		015	-0.76	015	015				903	460LW	04/03 RFO
		0.81	48	2	TWD	90	015	-0.76	015	015				903	460LW	04/03 RFO
		1.00	35	2	SVI		015	-0.70	015	015				4037	460SI	04/03 RFO
		0.86	40	2	TWD	95	015	-0.70	015	015				4037	460SI	04/03 RFO
		0.37	75	9	PLP		015	-0.70	015	015				4037	460SI	04/03 RFO
70	22	0.53	150	P 3	TWD	11	011	+0.45	011	011	WAR			4037	460SI	04/03 RFO
70	24	0.69	94	P 3	TWD	14	012	-0.01	012	012	WAR			4037	460SI	04/03 RFO
		1.12	130	P 3	TWD	21	003	-0.43	003	003	WAR			4037	460SI	04/03 RFO
70	30	0.49	146	P 3	TWD	10	011	+0.60	011	011	WAR			4037	460SI	04/03 RFO
70	35	0.96	184	1	DNT		UTS	+0.02	UTS	UTS				4020	460SI	04/03 RFO
70	36	1.18	3	1	DNT		UTS	+0.16	UTS	UTS				4020	460SI	04/03 RFO
70	43	0.42	0	P 3	TWD	10	009	-0.69	009	009	WAR			4063	460SI	04/03 RFO
		0.75	86	P 3	TWD	14	008	+0.79	008	008	WAR			4063	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
70	46	0.38	77	P 3	TWD	7	009	-0.63	009	009	WAR			4063		460SI	04/03 RFO
		0.70	128	P 3	TWD	15	009	+0.74	009	009	WAR			4063		460SI	04/03 RFO
		0.46	97	P 3	TWD	9	008	-0.71	008	008	WAR			4063		460SI	04/03 RFO
70	51	0.20	68	2	SAI		014	-16.77	014	014				4064		520SI	04/03 RFO
		0.20	68	2	SAI		014	-16.39	014	014				4064		520SI	04/03 RFO
		0.12	64	2	SAI		014	-15.83	014	014				4064		520SI	04/03 RFO
		0.12	64	2	TWD	65	014	-15.83	014	014				4064		520SI	04/03 RFO
		0.20	68	2	TWD	60	014	-16.39	014	014				4064		520SI	04/03 RFO
		0.20	68	2	TWD	60	014	-16.77	014	014				4064		520SI	04/03 RFO
70	52	0.15	78	2	SAI		012	+17.54	012	012				4063		460SI	04/03 RFO
		0.08	69	2	TWD	64	012	+17.54	012	012				4063		460SI	04/03 RFO
70	66	0.69	36	P 3	TWD	13	005	+0.67	005	005	WAR			4004		460SI	04/03 RFO
70	72	0.07	83	2	SAI		011	-25.50	011	011				4004		460SI	04/03 RFO
		0.07	83	2	TWD	43	011	-25.50	011	011				4004		460SI	04/03 RFO
		0.08	61	2	SAI		011	-5.30	011	011				4004		460SI	04/03 RFO
		0.08	61	2	TWD	69	011	-5.30	011	011				4004		460SI	04/03 RFO
		0.07	98	2	SAI		011	-2.41	011	011				4004		460SI	04/03 RFO
		0.07	98	2	TWD	25	011	-2.41	011	011				4004		460SI	04/03 RFO
		0.08	87	2	SAI		012	-4.86	012	012				4004		460SI	04/03 RFO
		0.08	87	2	TWD	39	012	-4.86	012	012				4004		460SI	04/03 RFO
		0.04	68	2	SAI		012	-32.43	012	012				4004		460SI	04/03 RFO
		0.04	68	2	TWD	61	012	-32.43	012	012				4004		460SI	04/03 RFO
		0.08	70	2	SAI		012	-22.26	012	012				4004		460SI	04/03 RFO
		0.08	70	2	TWD	59	012	-22.26	012	012				4004		460SI	04/03 RFO
		0.07	73	2	SAI		UTS	-26.92	UTS	UTS				4004		460SI	04/03 RFO
		0.07	73	2	TWD	55	UTS	-26.92	UTS	UTS				4004		460SI	04/03 RFO
		0.19	51	2	SAI		UTS	-16.38	UTS	UTS				4004		460SI	04/03 RFO
		0.19	51	2	TWD	80	UTS	-16.38	UTS	UTS				4004		460SI	04/03 RFO
		0.14	63	2	SAI		UTS	-14.37	UTS	UTS				4004		460SI	04/03 RFO
		0.14	63	2	TWD	67	UTS	-14.37	UTS	UTS				4004		460SI	04/03 RFO
		0.26	52	2	SAI		UTS	-19.97	UTS	UTS				4004		460SI	04/03 RFO
		0.26	52	2	TWD	79	UTS	-19.97	UTS	UTS				4004		460SI	04/03 RFO
70	79	0.65	82	2	VOL		UTS	-22.34	UTS	UTS				4004		460SI	04/03 RFO
70	96	0.05	51	2	SAI		010	+11.89	010	010				4045		460SI	04/03 RFO
		0.07	79	2	TWD	0	010	+11.89	010	010				4045		460SI	04/03 RFO
70	100	0.16	96	2	SAI		010	+12.32	010	010				4045		460SI	04/03 RFO
		0.16	96	2	TWD	0	010	+12.32	010	010				4045		460SI	04/03 RFO
		0.22	78	2	SAI		011	-11.51	011	011				4045		460SI	04/03 RFO
		0.22	78	2	TWD	0	011	-11.51	011	011				4045		460SI	04/03 RFO
		0.21	77	2	SAI		011	-14.50	011	011				4045		460SI	04/03 RFO
		0.16	81	2	TWD	0	011	-14.50	011	011				4045		460SI	04/03 RFO
		0.20	65	2	SAI		012	+17.42	012	012				4045		460SI	04/03 RFO
		0.20	65	2	TWD	80	012	+17.42	012	012				4045		460SI	04/03 RFO
70	119	0.07	66	2	SAI		009	+1.53	009	009				4072		520SI	04/03 RFO
		0.07	66	2	TWD	49	009	+1.53	009	009				4072		520SI	04/03 RFO
		0.09	79	2	SAI		009	-9.09	009	009				4072		520SI	04/03 RFO
		0.09	79	2	TWD	33	009	-9.09	009	009				4072		520SI	04/03 RFO
		0.08	89	2	SAI		009	-9.37	009	009				4072		520SI	04/03 RFO
		0.08	89	2	TWD	21	009	-9.37	009	009				4072		520SI	04/03 RFO
		0.12	73	2	SAI		009	-4.73	009	009				4072		520SI	04/03 RFO
		0.12	73	2	TWD	40	009	-4.73	009	009				4072		520SI	04/03 RFO
		0.07	81	2	SAI		009	-6.05	009	009				4072		520SI	04/03 RFO
		0.07	81	2	TWD	31	009	-6.05	009	009				4072		520SI	04/03 RFO
70	124	0.16	68	2	VOL		003	-4.61	003	003				4067		520SI	04/03 RFO
70	128	0.82	75	P 3	TWD	13	008	-0.58	008	008	WAR			4056		520SI	04/03 RFO
71	1	6.26	16	P 1	DRS		UTE	-0.88	UTE	UTE	SLV			1003		400PS	04/03 RFO
		2.97	10	P 1	DRS		015	-6.20	015	015	SLV			1003		400PS	04/03 RFO
71	3	2.35	10	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1002		400PS	04/03 RFO
71	9	0.81	86	P 3	TWD	15	011	+0.68	011	011	WAR			4031		460SI	04/03 RFO
71	12	0.61	151	P 3	TWD	12	014	-0.57	014	014	WAR			4037		460SI	04/03 RFO
71	13	1.20	150	P 3	TWD	22	014	-0.58	014	014	WAR			4037		460SI	04/03 RFO
		0.70	54	P 3	TWD	14	010	+0.39	010	010	WAR			4037		460SI	04/03 RFO
71	14	0.70	0	P 3	TWD	16	015	-0.70	015	015	WAR			903		460LW	04/03 RFO
		0.20	52	2	SAI		UTS	-4.85	UTS	UTS				4037		460SI	04/03 RFO
		0.20	52	2	TWD	82	UTS	-4.85	UTS	UTS				4037		460SI	04/03 RFO
		0.16	54	2	SAI		UTS	-4.90	UTS	UTS				4037		460SI	04/03 RFO
		0.16	54	2	TWD	80	UTS	-4.90	UTS	UTS				4037		460SI	04/03 RFO
		0.23	73	2	SAI		UTS	-7.93	UTS	UTS				4037		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		1.48	73	2	TWD	47	UTS	-7.93	UTS	UTS				4037	460SI	04/03 RFO
		0.11	62	2	SAI		UTS	-18.32	UTS	UTS				4037	460SI	04/03 RFO
		0.11	68	2	TWD	62	UTS	-18.32	UTS	UTS				4037	460SI	04/03 RFO
		0.19	131	2	SAI		UTS	-19.38	UTS	UTS				4037	460SI	04/03 RFO
		0.19	131	2	TWD	1	UTS	-19.38	UTS	UTS				4037	460SI	04/03 RFO
		0.98	154	P 3	TWD	19	015	-0.62	015	015	WAR			4037	460SI	04/03 RFO
		0.86	145	P 3	TWD	17	014	-0.64	014	014	WAR			4037	460SI	04/03 RFO
71	15	0.39	19	2	TWD	54	UTS	-9.41	UTS	UTS				4037	460SI	04/03 RFO
		0.36	22	2	SAI		UTS	-9.41	UTS	UTS				4037	460SI	04/03 RFO
		0.49	125	P 3	TWD	10	014	-0.52	014	014	WAR			4037	460SI	04/03 RFO
71	17	0.27	0	P 3	TWD	8	015	-0.70	015	015	WAR			904	460LW	04/03 RFO
		0.63	138	P 3	TWD	13	015	-0.63	015	015	WAR			4037	460SI	04/03 RFO
		0.38	26	2	VOL		015	+5.73	015	015				4037	460SI	04/03 RFO
71	18	0.41	161	P 3	TWD	9	008	+0.67	008	008	WAR			4037	460SI	04/03 RFO
71	19	0.15	47	2	VOL		012	-1.18	012	012				4037	460SI	04/03 RFO
71	21	0.18	104	2	VOL		012	+2.18	012	012				4037	460SI	04/03 RFO
		0.51	76	2	VOL		010	+0.41	010	010				4037	460SI	04/03 RFO
71	23	0.45	68	2	VOL		011	+0.60	011	011				4037	460SI	04/03 RFO
		0.48	42	2	MAI		011	-1.14	011	011				4037	460SI	04/03 RFO
		0.48	42	2	TWD	93	011	-1.14	011	011				4037	460SI	04/03 RFO
71	28	0.39	103	2	VOL		012	+0.53	012	012				4037	460SI	04/03 RFO
71	30	0.28	79	2	VOL		012	+0.50	012	012				4033	460SI	04/03 RFO
71	33	0.40	61	P 3	TWD	9	012	+0.65	012	012	WAR			4020	460SI	04/03 RFO
71	36	0.39	123	2	VOL		011	+0.61	011	011				4020	460SI	04/03 RFO
71	45	1.09	0	P 3	TWD	19	008	+0.60	008	008	WAR			4064	520SI	04/03 RFO
71	48	0.69	104	P 3	TWD	15	009	-0.74	009	009	WAR			4063	460SI	04/03 RFO
71	54	0.56	49	P 3	TWD	11	005	+0.56	005	005	WAR			4063	460SI	04/03 RFO
71	71	0.14	51	2	VOL		011	-12.28	011	011				4004	460SI	04/03 RFO
71	81	0.23	61	2	SAI		014	+8.76	014	014				4010	460SI	04/03 RFO
		0.24	64	2	TWD	62	014	+8.76	014	014				4010	460SI	04/03 RFO
		0.21	55	2	SAI		014	+9.22	014	014				4010	460SI	04/03 RFO
		0.21	55	2	TWD	72	014	+9.22	014	014				4010	460SI	04/03 RFO
		0.22	58	2	SAI		014	+9.39	014	014				4010	460SI	04/03 RFO
		0.22	58	2	TWD	69	014	+9.39	014	014				4010	460SI	04/03 RFO
		0.23	50	2	SAI		014	+9.61	014	014				4010	460SI	04/03 RFO
		0.23	50	2	TWD	78	014	+9.61	014	014				4010	460SI	04/03 RFO
		0.24	62	2	SAI		014	+11.05	014	014				4010	460SI	04/03 RFO
		0.24	62	2	TWD	64	014	+11.05	014	014				4010	460SI	04/03 RFO
		0.25	57	2	SAI		014	+11.62	014	014				4010	460SI	04/03 RFO
		0.25	57	2	TWD	70	014	+11.62	014	014				4010	460SI	04/03 RFO
71	95	3.69	167	1	DNT		UTS	-14.60	UTS	UTS				4045	460SI	04/03 RFO
71	98	0.22	62	2	VOL		015	+11.50	015	015				4045	460SI	04/03 RFO
71	101	0.47	61	2	VOL		011	-4.42	011	011				4045	460SI	04/03 RFO
71	106	15.21	165	1	DNT		005	-6.19	005	005				4045	460SI	04/03 RFO
		14.88	346	1	DNT		005	-1.93	005	005				4045	460SI	04/03 RFO
71	119	0.24	70	1	VOL		001	+7.90	001	001				4072	520SI	04/03 RFO
71	128	0.10	79	2	SAI		010	+16.34	010	010				4056	520SI	04/03 RFO
		0.10	79	2	TWD	20	010	+16.34	010	010				4056	520SI	04/03 RFO
		0.10	81	2	SAI		010	+18.57	010	010				4056	520SI	04/03 RFO
		0.10	81	2	TWD	12	010	+18.57	010	010				4056	520SI	04/03 RFO
		0.10	79	2	SAI		014	-9.63	014	014				4056	520SI	04/03 RFO
		0.10	79	2	TWD	20	014	-9.63	014	014				4056	520SI	04/03 RFO
72	1	3.85	8	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1003	400PS	04/03 RFO
		3.36	18	P 1	DRS		015	-4.31	015	015	SLV			1003	400PS	04/03 RFO
		2.44	9	P 1	DRS		015	-6.23	015	015	SLV			1003	400PS	04/03 RFO
72	7	3.85	12	P 1	DRS		UTE	-0.77	UTE	UTE	SLV			1003	400PS	04/03 RFO
		0.91	37	2	VOL		013	-0.20	013	013				4031	460SI	04/03 RFO
72	8	2.90	14	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1002	400PS	04/03 RFO
72	13	0.61	144	P 3	TWD	12	014	+0.80	014	014	WAR			4031	460SI	04/03 RFO
72	23	0.22	89	2	VOL		015	+22.58	015	015				4033	460SI	04/03 RFO
72	25	0.39	79	P 3	TWD	10	013	+0.54	013	013	WAR			4033	460SI	04/03 RFO
72	31	0.92	57	2	VOL		012	+0.28	012	012				4020	460SI	04/03 RFO
72	33	1.01	349	1	DNT		UTS	+0.11	UTS	UTS				4020	460SI	04/03 RFO
72	34	1.03	172	1	DNT		UTS	+0.25	UTS	UTS				4020	460SI	04/03 RFO
		0.10	170	P 3	TWD	3	015	-0.36	015	015	WAR			4020	460SI	04/03 RFO
72	35	0.48	85	P 3	TWD	6	015	-0.45	015	015	WAR			904	460LW	04/03 RFO
		0.41	155	P 3	TWD	9	015	-0.50	015	015	WAR			4020	460SI	04/03 RFO
72	38	1.54	165	1	DNT		UTS	+0.00	UTS	UTS				4020	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
72	39	0.37	169	P 3	TWD	10	012	+0.60	012	012	WAR			4020	460SI	04/03 RFO
72	51	0.17	69	2	SAI		013	-15.21	013	013				4064	520SI	04/03 RFO
		0.17	69	2	TWD	59	013	-15.21	013	013				4064	520SI	04/03 RFO
72	53	0.39	0	P 3	TWD	8	007	-0.69	007	007	WAR			4064	520SI	04/03 RFO
72	58	0.05	45	2	VOL		012	+14.61	012	012				4064	520SI	04/03 RFO
72	64	0.29	107	P 3	TWD	6	003	-0.46	003	003	WAR			4004	460SI	04/03 RFO
72	69	5.47	182	1	DNT		003	-16.14	003	003				4004	460SI	04/03 RFO
72	79	0.16	66	2	VOL		015	-5.56	015	015				4010	460SI	04/03 RFO
72	96	0.10	104	2	SAI		013	-16.27	013	013				4045	460SI	04/03 RFO
		0.11	103	2	SAI		013	-10.52	013	013				4045	460SI	04/03 RFO
		0.29	77	2	SAI		013	-2.76	013	013				4045	460SI	04/03 RFO
		0.10	104	2	TWD	0	013	-16.27	013	013				4045	460SI	04/03 RFO
		0.11	103	2	TWD	37	013	-10.52	013	013				4045	460SI	04/03 RFO
		0.29	77	2	TWD	34	013	-2.76	013	013				4045	460SI	04/03 RFO
72	97	0.23	71	2	SAI		011	+15.59	011	011				4045	460SI	04/03 RFO
		0.23	71	2	TWD	49	011	+15.59	011	011				4045	460SI	04/03 RFO
		0.51	71	2	SAI		011	+16.54	011	011				4045	460SI	04/03 RFO
		0.51	71	2	TWD	54	011	+16.54	011	011				4045	460SI	04/03 RFO
		0.09	81	2	SAI		013	-16.95	013	013				4045	460SI	04/03 RFO
		0.09	81	2	TWD	71	013	-16.95	013	013				4045	460SI	04/03 RFO
72	127	0.40	71	P 3	TWD	7	008	-0.72	008	008	WAR			4056	520SI	04/03 RFO
72	128	0.97	76	P 3	TWD	20	008	-0.61	008	008	WAR			4056	520SI	04/03 RFO
73	2	1.39	19	P 1	DRS		UTE	-0.71	UTE	UTE	SLV			1005	400PS	04/03 RFO
73	4	1.92	28	P 1	DRS		UTE	-0.64	UTE	UTE	SLV			1005	400PS	04/03 RFO
		0.99	132	P 3	TWD	18	013	-0.48	013	013	WAR			4031	460SI	04/03 RFO
73	5	0.90	115	P 3	TWD	17	014	-0.60	014	014	WAR			4031	460SI	04/03 RFO
73	7	2.36	11	P 1	DRS		UTE	-0.79	UTE	UTE	SLV			1004	400PS	04/03 RFO
73	35	1.11	26	2	TEA		UTE	-0.18	UTE	UTE				2050	460HR	04/03 RFO
73	40	1.54	175	1	DNT		UTS	+0.01	UTS	UTS				4020	460SI	04/03 RFO
73	46	0.49	63	P 3	TWD	8	010	+0.55	010	010	WAR			4064	520SI	04/03 RFO
73	48	0.26	37	P 3	TWD	4	009	+0.49	009	009	WAR			4064	520SI	04/03 RFO
		0.15	70	2	SAI		015	+30.58	015	UTS				4105	520SI	04/03 RFO
		0.15	72	2	SAI		015	+28.30	015	UTS				4105	520SI	04/03 RFO
		0.11	76	2	SAI		015	+29.31	015	UTS				4105	520SI	04/03 RFO
		0.15	72	2	TWD	45	015	+28.30	015	UTS				4105	520SI	04/03 RFO
		0.12	70	2	TWD	53	015	+29.31	015	UTS				4105	520SI	04/03 RFO
		0.15	72	2	TWD	45	015	+30.58	015	UTS				4105	520SI	04/03 RFO
73	65	0.15	96	2	VOL		014	+6.31	014	014				4079	520SI	04/03 RFO
73	94	2.27	175	1	DNT		LTS	-18.77	LTS	LTS				4045	460SI	04/03 RFO
73	95	0.08	98	2	SAI		011	-16.04	011	011				4045	460SI	04/03 RFO
		0.08	98	2	TWD	0	011	-16.04	011	011				4045	460SI	04/03 RFO
73	98	0.14	54	2	VOL		001	-0.57	001	001				4045	460SI	04/03 RFO
		0.18	54	2	VOL		001	-7.17	001	001				4045	460SI	04/03 RFO
74	1	4.62	22	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1005	400PS	04/03 RFO
74	3	6.69	31	P 1	DRS		UTE	-0.70	UTE	UTE	SLV			1005	400PS	04/03 RFO
74	5	5.01	16	P 1	DRS		UTE	-0.55	UTE	UTE	SLV			1005	400PS	04/03 RFO
74	6	2.54	28	P 1	DRS		UTE	-0.82	UTE	UTE	SLV			1004	400PS	04/03 RFO
74	7	3.65	16	P 1	DRS		UTE	-0.70	UTE	UTE	SLV			1005	400PS	04/03 RFO
		3.61	49	P 1	PVN		015	+1.95	015	015	SLV			1005	400PS	04/03 RFO
74	11	3.07	25	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1005	400PS	04/03 RFO
74	12	2.05	23	P 1	DRS		UTE	-0.79	UTE	UTE	SLV			1004	400PS	04/03 RFO
74	19	0.32	58	P 3	TWD	6	009	-0.27	009	009	WAR			4031	460SI	04/03 RFO
74	21	1.67	18	P 1	DRS		015	-3.72	015	015	SLV			1004	400PS	04/03 RFO
		1.82	14	P 1	DRS		015	-5.48	015	015	SLV			1004	400PS	04/03 RFO
74	29	2.43	8	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1004	400PS	04/03 RFO
74	52	0.46	19	2	SAI		UTE	-1.19	UTE	UTE	TR			2116	460HR	04/03 RFO
		0.46	19	2	TWD	53	UTE	-1.19	UTE	UTE				2116	460HR	04/03 RFO
74	59	0.32	50	2	SAI		LTS	-16.92	LTS	LTS				4064	520SI	04/03 RFO
		0.32	50	2	TWD	82	LTS	-16.92	LTS	LTS				4064	520SI	04/03 RFO
74	66	0.17	67	2	SAI		012	-9.71	012	012				4004	460SI	04/03 RFO
		0.13	57	2	SAI		012	-6.33	012	012				4004	460SI	04/03 RFO
		0.14	65	2	TWD	65	012	-9.71	012	012				4004	460SI	04/03 RFO
		0.13	52	2	TWD	79	012	-6.33	012	012				4004	460SI	04/03 RFO
		0.10	88	2	SAI		UTS	-31.94	UTS	UTS				4004	460SI	04/03 RFO
		0.10	88	2	TWD	37	UTS	-31.94	UTS	UTS				4004	460SI	04/03 RFO
		0.10	85	2	SAI		UTS	-26.13	UTS	UTS				4004	460SI	04/03 RFO
		0.10	85	2	TWD	41	UTS	-26.13	UTS	UTS				4004	460SI	04/03 RFO
		0.11	97	2	SAI		UTS	-6.66	UTS	UTS				4004	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.11	97	2	TWD	26	UTS	-6.66	UTS	UTS				4004	460SI	04/03 RFO
		0.08	93	2	SAI		UTS	-0.54	UTS	UTS				4004	460SI	04/03 RFO
		0.08	93	2	TWD	31	UTS	-0.54	UTS	UTS				4004	460SI	04/03 RFO
74	71	0.17	90	2	SAI		011	-16.91	011	011				4004	460SI	04/03 RFO
		0.17	90	2	TWD	34	011	-16.91	011	011				4004	460SI	04/03 RFO
		0.12	78	2	SAI		011	-15.78	011	011				4004	460SI	04/03 RFO
		0.12	78	2	TWD	48	011	-15.78	011	011				4004	460SI	04/03 RFO
74	95	0.16	86	2	SAI		010	+15.58	010	010				4045	460SI	04/03 RFO
		0.18	75	2	TWD	43	010	+15.58	010	010				4045	460SI	04/03 RFO
		0.32	70	2	MAI		011	+8.24	TO+15.54	011	011			4045	460SI	04/03 RFO
		0.29	71	2	TWD	54	011	+8.24	TO+15.54	011	011			4045	460SI	04/03 RFO
74	108	0.20	87	2	VOL		013	+7.76	013	013				4072	520SI	04/03 RFO
74	112	0.18	74	2	VOL		012	-8.72	012	012				4072	520SI	04/03 RFO
74	117	6.87	166	1	DNT		LTS	-13.38	LTS	LTS				4072	520SI	04/03 RFO
75	1	5.13	17	P 1	DRS		UTE	-0.66	UTE	UTE	SLV			1005	400PS	04/03 RFO
75	4	6.12	23	P 1	DRS		UTE	-0.68	UTE	UTE	SLV			1005	400PS	04/03 RFO
75	8	2.69	31	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1005	400PS	04/03 RFO
75	9	4.94	24	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1004	400PS	04/03 RFO
		3.79	29	P 1	DRS		015	-4.04	015	015	SLV			1004	400PS	04/03 RFO
75	65	2.00	20	2	TEA		UTE	-0.17	UTE	UTE				2126	460HR	04/03 RFO
75	83	1.45	23	2	TEA		UTE	-0.20	UTE	UTE				2087	460HR	04/03 RFO
75	101	0.30	109	1	VOL		012	+3.22	012	012				4045	460SI	04/03 RFO
75	112	0.23	64	2	VOL		010	+2.35	010	010				4072	520SI	04/03 RFO
75	117	4.14	161	1	DNT		LTS	-13.17	LTS	LTS				4072	520SI	04/03 RFO
75	123	0.43	123	P 3	TWD	7	009	-0.58	009	009	WAR			4056	520SI	04/03 RFO
75	126	0.39	85	2	VOL		013	+1.01	013	013				4061	520SI	04/03 RFO
		0.36	74	2	VOL		015	+23.06	015	015				4061	520SI	04/03 RFO
76	87	0.18	45	2	VOL		001	-6.07	001	001				4059	520SI	04/03 RFO
76	116	1.53	27	2	MAI		UTE	-3.43	UTE	UTE	URT			2088	460HR	04/03 RFO
		1.53	27	2	TWD	83	UTE	-3.43	UTE	UTE				2088	460HR	04/03 RFO
		8.04	341	1	DNT		UTS	+12.59	UTS	UTS				4059	520SI	04/03 RFO
		5.84	340	1	DNT		LTS	-13.49	LTS	LTS				4059	520SI	04/03 RFO
76	117	0.42	29	2	MAI		UTE	-3.51	UTE	UTE	URT			2088	460HR	04/03 RFO
		0.42	29	2	TWD	91	UTE	-3.51	UTE	UTE				2088	460HR	04/03 RFO
		5.54	351	1	DNT		UTS	+12.77	UTS	UTS				4059	520SI	04/03 RFO
		5.99	343	1	DNT		LTS	-13.62	LTS	LTS				4059	520SI	04/03 RFO
76	123	0.18	81	2	SAI		015	+9.88	015	015				4059	520SI	04/03 RFO
		0.18	81	2	TWD	28	015	+9.88	015	015				4059	520SI	04/03 RFO
		0.11	84	2	SAI		015	+9.52	015	015				4059	520SI	04/03 RFO
		0.11	84	2	TWD	18	015	+9.52	015	015				4059	520SI	04/03 RFO
77	1	3.65	13	P 1	DRS		UTE	-0.73	UTE	UTE	SLV			1005	400PS	04/03 RFO
77	2	0.26	75	P 1	VOL		001	-20.50	TO-19.50	001	001			4038	460SI	04/03 RFO
77	7	4.64	9	P 1	DRS		UTE	-0.81	UTE	UTE	SLV			1004	400PS	04/03 RFO
		0.16	85	2	VOL		001	-20.72	TO-19.61	001	001			4038	460SI	04/03 RFO
77	8	2.67	22	P 1	DRS		UTE	-0.74	UTE	UTE	SLV			1005	400PS	04/03 RFO
77	9	3.54	28	P 1	DRS		UTE	-0.84	UTE	UTE	SLV			1004	400PS	04/03 RFO
77	67	0.10	76	2	SAI		010	+8.72	010	010				4004	460SI	04/03 RFO
		0.10	76	2	TWD	52	010	+8.72	010	010				4004	460SI	04/03 RFO
77	79	0.08	75	2	SAI		011	+16.17	011	011				4060	520SI	04/03 RFO
		0.08	75	2	TWD	24	011	+16.17	011	011				4060	520SI	04/03 RFO
		0.12	71	2	SAI		011	+16.46	011	011				4060	520SI	04/03 RFO
		0.12	71	2	TWD	44	011	+16.46	011	011				4060	520SI	04/03 RFO
		0.15	72	2	SAI		011	+14.18	011	011				4060	520SI	04/03 RFO
		0.15	72	2	TWD	40	011	+14.18	011	011				4060	520SI	04/03 RFO
77	92	1.70	335	1	DNT		LTS	+0.23	LTS	LTS				4059	520SI	04/03 RFO
77	93	1.70	347	1	DNT		LTS	+0.00	LTS	LTS				4059	520SI	04/03 RFO
77	99	0.17	58	2	SAI		012	-3.51	012	012				4052	460SI	04/03 RFO
		0.17	58	2	TWD	83	012	-3.51	012	012				4052	460SI	04/03 RFO
		0.12	58	2	SAI		012	-5.66	012	012				4052	460SI	04/03 RFO
		0.12	58	2	TWD	83	012	-5.66	012	012				4052	460SI	04/03 RFO
		0.18	63	2	SAI		012	-7.99	012	012				4052	460SI	04/03 RFO
		0.18	63	2	TWD	77	012	-7.99	012	012				4052	460SI	04/03 RFO
		0.09	63	2	SAI		012	-17.30	012	012				4052	460SI	04/03 RFO
		0.09	63	2	TWD	77	012	-17.30	012	012				4052	460SI	04/03 RFO
		0.09	70	2	SAI		012	-19.27	012	012				4052	460SI	04/03 RFO
		0.09	70	2	TWD	66	012	-19.27	012	012				4052	460SI	04/03 RFO
		0.04	63	2	SAI		012	-26.23	012	012				4052	460SI	04/03 RFO
		0.04	63	2	TWD	77	012	-26.23	012	012				4052	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.10	77	2	SAI		011	-8.43	011	011				4052		460SI	04/03 RFO
		0.10	77	2	TWD	49	011	-8.43	011	011				4052		460SI	04/03 RFO
		0.10	77	2	SAI		011	-9.41	011	011				4052		460SI	04/03 RFO
		0.10	77	2	TWD	49	011	-9.41	011	011				4052		460SI	04/03 RFO
		0.09	64	2	SAI		011	-17.36	011	011				4052		460SI	04/03 RFO
		0.09	64	2	TWD	75	011	-17.36	011	011				4052		460SI	04/03 RFO
		0.09	70	2	SAI		011	-18.49	011	011				4052		460SI	04/03 RFO
		0.09	70	2	TWD	66	011	-18.49	011	011				4052		460SI	04/03 RFO
		0.11	50	2	SAI		011	-21.76	011	011				4052		460SI	04/03 RFO
		0.11	50	2	TWD	90	011	-21.76	011	011				4052		460SI	04/03 RFO
		0.09	46	2	SAI		011	-23.91	011	011				4052		460SI	04/03 RFO
		0.09	46	2	TWD	93	011	-23.91	011	011				4052		460SI	04/03 RFO
		0.15	69	2	SAI		011	-16.00	011	011				4052		460SI	04/03 RFO
		0.15	69	2	TWD	67	011	-16.00	011	011				4052		460SI	04/03 RFO
		0.17	74	2	SAI		010	-5.61	010	010				4052		460SI	04/03 RFO
		0.19	76	2	TWD	52	010	-5.61	010	010				4052		460SI	04/03 RFO
		0.21	77	2	SAI		010	-10.16	010	010				4052		460SI	04/03 RFO
		0.21	77	2	TWD	49	010	-10.16	010	010				4052		460SI	04/03 RFO
		0.24	69	2	SAI		010	-24.63	010	010				4052		460SI	04/03 RFO
		0.24	69	2	TWD	67	010	-24.63	010	010				4052		460SI	04/03 RFO
77	106	0.24	43	2	VOL		002	+13.86	002	002				4052		460SI	04/03 RFO
77	112	0.27	68	2	VOL		013	-5.99	013	013				4052		460SI	04/03 RFO
77	114	0.82	28	2	MAI		UTE	-3.56	UTE	UTS	URT			2088		460HR	04/03 RFO
		0.82	28	2	TWD	87	UTE	-3.56	UTE	UTS				2088		460HR	04/03 RFO
		0.08	84	2	SAI		013	-1.03	013	013				4052		460SI	04/03 RFO
		0.08	84	2	TWD	21	013	-1.03	013	013				4052		460SI	04/03 RFO
		0.09	61	2	SAI		013	-1.80	013	013				4052		460SI	04/03 RFO
		0.09	61	2	TWD	79	013	-1.80	013	013				4052		460SI	04/03 RFO
		0.15	71	2	MAI		013	-2.84	013	013				4052		460SI	04/03 RFO
		0.15	71	2	TWD	64	013	-2.84	013	013				4052		460SI	04/03 RFO
		0.10	75	2	SAI		013	-21.62	013	013				4052		460SI	04/03 RFO
		0.10	75	2	TWD	54	013	-21.62	013	013				4052		460SI	04/03 RFO
		0.09	55	2	SAI		013	-13.86	013	013				4052		460SI	04/03 RFO
		0.09	55	2	TWD	85	013	-13.86	013	013				4052		460SI	04/03 RFO
		0.12	47	2	MAI		013	-8.75	013	013				4052		460SI	04/03 RFO
		0.12	47	2	TWD	92	013	-8.75	013	013				4052		460SI	04/03 RFO
77	125	0.52	61	P 3	TWD	8	009	+0.08	009	009	WAR			4052		460SI	04/03 RFO
78	2	5.73	23	P 1	DRS		UTE	-0.76	UTE	UTE	SLV			1004		400PS	04/03 RFO
78	6	4.94	23	P 1	DRS		UTE	-0.76	UTE	UTE	SLV			1005		400PS	04/03 RFO
78	9	3.22	25	P 1	DRS		UTE	-0.79	UTE	UTE	SLV			1004		400PS	04/03 RFO
78	11	2.70	24	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1005		400PS	04/03 RFO
		0.08	74	2	VOL		006	-4.45	006	006				4038		460SI	04/03 RFO
78	12	4.68	28	P 1	DRS		UTE	-0.82	UTE	UTE	SLV			1004		400PS	04/03 RFO
78	15	3.48	25	P 1	DRS		UTE	-0.98	UTE	UTE	SLV			1005		400PS	04/03 RFO
78	16	3.27	27	P 1	DRS		UTE	-0.77	UTE	UTE	SLV			1004		400PS	04/03 RFO
78	19	2.12	17	P 1	DRS		UTE	-0.88	UTE	UTE	SLV			1005		400PS	04/03 RFO
78	23	1.78	26	P 1	SAI		015	-6.10	015	015	SLV			1005		400PS	04/03 RFO
		1.92	23	2	TWD	77	015	-6.10	015	015				1005		400PS	04/03 RFO
78	26	4.98	28	P 1	DRS		UTE	-0.87	UTE	UTE	SLV			1004		400PS	04/03 RFO
		0.38	35	2	VOL		LTS	-18.26	LTS	LTS				4038		460SI	04/03 RFO
78	28	4.10	21	P 1	DRS		015	-6.37	015	015	SLV			1004		400PS	04/03 RFO
		2.03	22	P 1	DRS		015	-4.29	015	015	SLV			1004		400PS	04/03 RFO
78	29	2.90	28	P 1	DRS		015	-4.28	015	015	SLV			1005		400PS	04/03 RFO
78	52	0.51	48	2	SAI		UTS	+0.03	UTS	UTS				4064		520SI	04/03 RFO
		0.51	48	2	TWD	85	UTS	+0.03	UTS	UTS				4064		520SI	04/03 RFO
78	61	3.01	23	2	TEA		UTE	-0.17	UTE	UTE				2131		460HR	04/03 RFO
78	66	0.13	90	2	SAI		013	-7.49	013	013				4004		460SI	04/03 RFO
		0.13	90	2	TWD	35	013	-7.49	013	013				4004		460SI	04/03 RFO
78	81	1.48	16	2	TEA		UTE	-0.17	UTE	UTE				2039		460HR	04/03 RFO
78	101	0.60	85	2	VOL		014	+1.36	014	014				4052		460SI	04/03 RFO
78	105	0.12	91	2	VOL		014	+4.21	014	014				4052		460SI	04/03 RFO
78	116	0.16	86	2	VOL		014	+1.45	014	014				4052		460SI	04/03 RFO
		0.22	28	2	VOL		014	+0.96	014	014				4052		460SI	04/03 RFO
78	125	7.67	5	P 3	DNT		009	-0.32	009	009				4052		460SI	04/03 RFO
		0.45	86	P 3	TWD	7	008	-0.51	008	008	WAR			4052		460SI	04/03 RFO
79	3	3.54	12	P 1	DRS		UTE	-0.95	UTE	UTE	SLV			1008		400PS	04/03 RFO
79	6	0.78	109	P 3	TWD	15	012	-0.46	012	012	WAR			4031		460SI	04/03 RFO
		1.22	106	P 3	TWD	22	013	-0.64	013	013	WAR			4031		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.92	105	P 3	TWD	17	014	-0.58		014 014	WAR			4031	460SI	04/03 RFO
		0.56	100	2	VOL		014	+0.15	TO+0.83	014 014				4031	460SI	04/03 RFO
		3.27	21	P 1	DRS		UTE	-0.77		UTE UTE	SLV			1010	400PS	04/03 RFO
79	8	5.94	16	P 1	DRS		UTE	-0.78		UTE UTE	SLV			1010	400PS	04/03 RFO
79	9	5.37	15	P 1	DRS		UTE	-0.82		UTE UTE	SLV			1007	400PS	04/03 RFO
79	12	5.13	20	P 1	DRS		UTE	-0.88		UTE UTE	SLV			1006	400PS	04/03 RFO
79	49	0.19	0	P 3	TWD	4	009	-0.65		009 009	WAR			4064	520SI	04/03 RFO
79	50	0.14	75	2	VOL		011	+17.66		011 011				4100	520SI	04/03 RFO
79	63	0.10	88	2	SAI		014	-6.70		014 014				4004	460SI	04/03 RFO
		0.10	88	2	TWD	37	014	-6.70		014 014				4004	460SI	04/03 RFO
		0.11	87	2	SAI		UTS	-13.80		UTS UTS				4004	460SI	04/03 RFO
		0.11	87	2	TWD	39	UTS	-13.80		UTS UTS				4004	460SI	04/03 RFO
		0.10	96	2	SAI		UTS	-12.18		UTS UTS				4004	460SI	04/03 RFO
		0.10	96	2	TWD	27	UTS	-12.18		UTS UTS				4004	460SI	04/03 RFO
		0.12	104	2	SAI		UTS	-9.38		UTS UTS				4004	460SI	04/03 RFO
		0.12	104	2	TWD	17	UTS	-9.38		UTS UTS				4004	460SI	04/03 RFO
79	88	5.09	168	1	DNT		006	+17.50		006 006				4060	520SI	04/03 RFO
79	91	0.34	65	2	VOL		001	-1.12		001 001				4060	520SI	04/03 RFO
79	102	0.09	55	2	SAI		011	+11.39		011 011				4052	460SI	04/03 RFO
		0.09	55	2	TWD	85	011	+11.39		011 011				4052	460SI	04/03 RFO
		0.24	71	2	SAI		010	+10.78		010 010				4052	460SI	04/03 RFO
		0.24	71	2	TWD	64	010	+10.78		010 010				4052	460SI	04/03 RFO
		0.09	67	2	SAI		010	-1.53		010 010				4052	460SI	04/03 RFO
		0.09	67	2	TWD	71	010	-1.53		010 010				4052	460SI	04/03 RFO
		0.10	69	2	SAI		010	-2.57		010 010				4052	460SI	04/03 RFO
		0.10	69	2	TWD	67	010	-2.57		010 010				4052	460SI	04/03 RFO
		0.11	75	2	SAI		010	-4.28		010 010				4052	460SI	04/03 RFO
		0.11	75	2	TWD	54	010	-4.28		010 010				4052	460SI	04/03 RFO
		0.14	75	2	SAI		010	-5.04		010 010				4052	460SI	04/03 RFO
		0.14	75	2	TWD	54	010	-5.04		010 010				4052	460SI	04/03 RFO
		0.17	79	2	SAI		010	-6.18		010 010				4052	460SI	04/03 RFO
		0.17	79	2	TWD	43	010	-6.18		010 010				4052	460SI	04/03 RFO
79	104	10.20	157	1	DNT		003	-4.12		003 003				4052	460SI	04/03 RFO
79	108	0.18	78	2	VOL		010	+14.84		010 010				4052	460SI	04/03 RFO
79	114	0.21	76	2	VOL		001	-13.54		001 001				4052	460SI	04/03 RFO
79	117	0.49	72	2	VOL		007	-11.06		007 007				4052	460SI	04/03 RFO
79	118	0.15	48	2	VOL		015	+0.46		015 015				4052	460SI	04/03 RFO
79	124	0.65	23	2	SAI		UTE	-1.17		UTE UTE	TR			2024	460HR	04/03 RFO
		0.65	23	2	TWD	67	UTE	-1.17		UTE UTE				2024	460HR	04/03 RFO
79	127	0.99	45	2	VOL		014	+0.65		014 014				4052	460SI	04/03 RFO
80	1	10.78	17	P 1	DRS		UTE	-0.94		UTE UTE	SLV			1008	400PS	04/03 RFO
80	5	1.28	94	P 3	TWD	23	012	-0.69		012 012	WAR			4031	460SI	04/03 RFO
		0.86	72	P 3	TWD	16	014	+0.49		014 014	WAR			4031	460SI	04/03 RFO
80	8	0.61	42	2	VOL		004	-0.73		004 004				4028	460SI	04/03 RFO
		3.73	30	P 1	DRS		UTE	-0.74		UTE UTE	SLV			1010	400PS	04/03 RFO
80	9	0.48	137	P 3	TWD	9	014	-0.71		014 014	WAR			4031	460SI	04/03 RFO
80	10	0.96	81	P 3	TWD	18	014	-0.56		014 014	WAR			4031	460SI	04/03 RFO
80	12	0.71	76	P 3	TWD	14	014	-0.48		014 014	WAR			4031	460SI	04/03 RFO
80	13	0.47	87	P 3	TWD	9	012	+0.46		012 012	WAR			4031	460SI	04/03 RFO
		1.14	85	P 3	TWD	20	014	-0.45		014 014	WAR			4031	460SI	04/03 RFO
80	19	0.11	107	2	VOL		015	+21.35		015 015				4066	460SI	04/03 RFO
80	23	0.65	75	1	VOL		015	+19.50		015 015				4066	460SI	04/03 RFO
80	26	0.82	136	1	VOL		015	+17.89		015 015				4066	460SI	04/03 RFO
80	28	0.10	100	2	VOL		015	+16.63	TO+16.90	015 015				4066	460SI	04/03 RFO
80	29	0.71	110	P 3	TWD	12	015	+0.70		015 015	WAR			907	460LW	04/03 RFO
		0.60	78	P 3	TWD	9	015	+0.75		015 015	WAR			4066	460SI	04/03 RFO
		0.26	93	2	VOL		015	+16.71		015 015				4066	460SI	04/03 RFO
80	32	0.24	88	2	SVI		015	+15.74	TO+17.75	015 015				4038	460SI	04/03 RFO
		0.24	88	2	TWD	27	015	+15.74	TO+17.75	015 015				4038	460SI	04/03 RFO
80	34	0.32	49	2	SAI		011	+12.62		011 011				4055	460SI	04/03 RFO
		0.32	49	2	TWD	83	011	+12.62		011 011				4055	460SI	04/03 RFO
		0.34	82	2	VOL		015	+13.45		015 015				4055	460SI	04/03 RFO
80	35	0.55	146	P 3	TWD	11	014	-0.73		014 014	WAR			4038	460SI	04/03 RFO
80	36	1.18	73	1	VOL		015	+14.00		015 015				4038	460SI	04/03 RFO
80	37	0.46	53	P 3	TWD	13	014	+0.70		014 014	WAR			4038	460SI	04/03 RFO
		0.35	21	P 3	TWD	10	014	-0.60		014 014	WAR			4038	460SI	04/03 RFO
80	39	0.33	89	P 3	TWD	5	014	-0.68		014 014	WAR			4058	460SI	04/03 RFO
		0.41	101	2	VOL		015	+14.82		015 015				4058	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
80	42	0.25	0	P 3	TWD 5	014	-0.61	014	014	WAR				4064	520SI	04/03 RFO
80	48	0.58	0	P 3	TWD 14	009	-0.69	009	009	WAR				4063	460SI	04/03 RFO
80	49	0.45	78	P 3	TWD 7	005	+0.46	005	005	WAR				4064	520SI	04/03 RFO
80	50	0.51	0	P 3	TWD 13	009	-0.68	009	009	WAR				4063	460SI	04/03 RFO
80	55	0.36	107	P 3	TWD 6	009	-0.65	009	009	WAR				4064	520SI	04/03 RFO
80	59	0.09	58	2	SAI	011	-12.37	011	011					4064	520SI	04/03 RFO
		0.09	58	2	TWD 73	011	-12.37	011	011					4064	520SI	04/03 RFO
80	62	0.10	77	2	SAI	UTS	-14.57	UTS	UTS					4004	460SI	04/03 RFO
		0.10	77	2	TWD 51	UTS	-14.57	UTS	UTS					4004	460SI	04/03 RFO
		0.18	90	2	SAI	UTS	-1.95	UTS	UTS					4004	460SI	04/03 RFO
		0.18	90	2	TWD 35	UTS	-1.95	UTS	UTS					4004	460SI	04/03 RFO
80	74	0.08	92	2	SAI	012	-8.20	012	012					4004	460SI	04/03 RFO
		0.08	92	2	TWD 32	012	-8.20	012	012					4004	460SI	04/03 RFO
80	88	0.20	84	2	SAI	008	-9.70	008	008					4060	520SI	04/03 RFO
		0.20	84	2	TWD 0	008	-9.70	008	008					4060	520SI	04/03 RFO
		2.37	13	2	TEA	UTE	-0.17	UTE	UTE					2039	460HR	04/03 RFO
80	122	1.36	20	2	TEA	UTE	-0.17	UTE	UTE					2025	460HR	04/03 RFO
80	130	0.10	51	2	VOL	UTS	-12.66	UTS	UTS					4052	460SI	04/03 RFO
		0.28	78	P 3	TWD 4	010	+0.53	010	010	WAR				4052	460SI	04/03 RFO
80	131	1.74	6	P 3	DNT	UTS	+0.00	UTS	UTS					4052	460SI	04/03 RFO
		0.22	74	10	PLP	015	+24.95	015	015					4052	460SI	04/03 RFO
		0.24	140	2	SVI	015	+24.95	015	015					4052	460SI	04/03 RFO
		0.11	71	9	PLP	015	+21.55	015	015					4052	460SI	04/03 RFO
		0.15	78	9	PLP	015	+33.95	015	015					4052	460SI	04/03 RFO
		0.56	83	2	TWD 26	015	+24.95	015	015					4052	460SI	04/03 RFO
		0.04	90	2	VOL	015	+10.28	015	015					4052	460SI	04/03 RFO
		0.19	78	2	VOL	015	+32.01	015	015					4052	460SI	04/03 RFO
81	4	2.09	18	P 1	DRS	UTE	-0.87	UTE	UTE	SLV				1008	400PS	04/03 RFO
		0.31	133	P 3	TWD 6	012	-0.71	012	012	WAR				4031	460SI	04/03 RFO
		1.45	108	P 3	TWD 25	013	-0.76	013	013	WAR				4031	460SI	04/03 RFO
81	6	1.90	13	P 1	DRS	UTE	-0.77	UTE	UTE	SLV				1007	400PS	04/03 RFO
		0.54	117	P 3	TWD 10	013	+0.60	013	013	WAR				4031	460SI	04/03 RFO
		0.96	87	P 3	TWD 18	012	-0.79	012	012	WAR				4031	460SI	04/03 RFO
81	7	4.75	12	P 1	DRS	UTE	-0.76	UTE	UTE	SLV				1010	400PS	04/03 RFO
81	9	0.49	102	P 3	TWD 10	013	-0.73	013	013	WAR				4031	460SI	04/03 RFO
81	11	0.63	133	P 3	TWD 13	013	-0.77	013	013	WAR				4028	460SI	04/03 RFO
81	14	0.42	82	P 3	TWD 7	013	-0.83	013	013	WAR				4066	460SI	04/03 RFO
81	15	0.26	103	2	SAI	UTS	-21.56	UTS	UTS					4066	460SI	04/03 RFO
		0.26	103	2	TWD 1	UTS	-21.56	UTS	UTS					4066	460SI	04/03 RFO
81	29	0.38	104	P 3	TWD 6	014	+0.73	014	014	WAR				4066	460SI	04/03 RFO
81	30	0.36	60	2	VOL	015	+0.65	015	015					4066	460SI	04/03 RFO
81	37	0.51	53	P 3	TWD 14	014	+0.75	014	014	WAR				4038	460SI	04/03 RFO
		0.27	119	2	VOL	014	+0.14	014	014					4038	460SI	04/03 RFO
81	40	0.60	98	P 3	TWD 16	010	+0.49	010	010	WAR				4038	460SI	04/03 RFO
81	42	0.45	110	P 3	TWD 7	009	-0.66	009	009	WAR				4064	520SI	04/03 RFO
81	46	0.59	0	P 3	TWD 14	009	-0.63	009	009	WAR				4063	460SI	04/03 RFO
		0.48	0	P 3	TWD 12	009	+0.57	009	009	WAR				4063	460SI	04/03 RFO
81	47	0.39	105	P 3	TWD 6	009	-0.68	009	009	WAR				4064	520SI	04/03 RFO
81	48	0.84	98	P 3	TWD 16	009	-0.70	009	009	WAR				4100	520SI	04/03 RFO
81	55	0.64	0	P 3	TWD 15	009	-0.69	009	009	WAR				4063	460SI	04/03 RFO
		0.55	0	P 3	TWD 13	008	-0.61	008	008	WAR				4063	460SI	04/03 RFO
		0.43	0	P 3	TWD 11	008	+0.67	008	008	WAR				4063	460SI	04/03 RFO
		0.30	0	P 3	TWD 8	007	-0.65	007	007	WAR				4063	460SI	04/03 RFO
81	56	0.44	65	P 3	TWD 7	009	-0.79	009	009	WAR				4064	520SI	04/03 RFO
		0.28	61	P 3	TWD 4	008	+0.69	008	008	WAR				4064	520SI	04/03 RFO
		0.38	87	P 3	TWD 6	007	-0.78	007	007	WAR				4064	520SI	04/03 RFO
		0.36	67	P 3	TWD 6	007	+0.52	007	007	WAR				4064	520SI	04/03 RFO
		0.43	114	2	VOL	005	+0.65	005	005					4064	520SI	04/03 RFO
81	59	0.71	0	P 3	TWD 13	005	+0.67	005	005	WAR				4064	520SI	04/03 RFO
81	62	0.10	61	2	SAI	011	-3.92	011	011					4004	460SI	04/03 RFO
		0.10	61	2	TWD 68	011	-3.92	011	011					4004	460SI	04/03 RFO
81	63	0.07	52	2	SAI	UTS	-32.82	UTS	UTS					4004	460SI	04/03 RFO
		0.07	52	2	TWD 79	UTS	-32.82	UTS	UTS					4004	460SI	04/03 RFO
		0.10	79	2	SAI	UTS	-31.46	UTS	UTS					4004	460SI	04/03 RFO
		0.10	79	2	TWD 48	UTS	-31.46	UTS	UTS					4004	460SI	04/03 RFO
		0.16	87	2	SAI	UTS	-26.35	UTS	UTS					4004	460SI	04/03 RFO
		0.16	87	2	TWD 39	UTS	-26.35	UTS	UTS					4004	460SI	04/03 RFO
		0.17	96	2	SAI	UTS	-23.00	UTS	UTS					4004	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.17	96	2	TWD	27	UTS	-23.00	UTS	UTS				4004	460SI	04/03 RFO
		0.11	94	2	SAI		UTS	-21.83	UTS	UTS				4004	460SI	04/03 RFO
		0.11	94	2	TWD	30	UTS	-21.83	UTS	UTS				4004	460SI	04/03 RFO
		0.10	87	2	SAI		UTS	-20.13	UTS	UTS				4004	460SI	04/03 RFO
		0.10	87	2	TWD	39	UTS	-20.13	UTS	UTS				4004	460SI	04/03 RFO
		0.18	85	2	MAI		UTS	-19.26	UTS	UTS				4004	460SI	04/03 RFO
		0.18	85	2	TWD	41	UTS	-19.26	UTS	UTS				4004	460SI	04/03 RFO
		0.18	89	2	SAI		UTS	-7.03	UTS	UTS				4004	460SI	04/03 RFO
		0.18	89	2	TWD	36	UTS	-7.03	UTS	UTS				4004	460SI	04/03 RFO
		0.11	89	2	SAI		UTS	-2.37	UTS	UTS				4004	460SI	04/03 RFO
		0.11	89	2	TWD	36	UTS	-2.37	UTS	UTS				4004	460SI	04/03 RFO
81	93	0.14	86	2	VOL		014	+1.19	014	014				4052	460SI	04/03 RFO
81	94	0.22	85	2	SAI		009	-4.85	009	009				4052	460SI	04/03 RFO
		0.22	85	2	TWD	15	009	-4.85	009	009				4052	460SI	04/03 RFO
		0.20	92	2	SAI		009	-4.01	009	009				4052	460SI	04/03 RFO
		0.20	92	2	TWD	1	009	-4.01	009	009				4052	460SI	04/03 RFO
81	119	1.06	15	2	TEA		UTE	-0.18	UTE	UTE				2025	460HR	04/03 RFO
81	120	0.41	66	P 3	TWD	6	014	+0.75	014	014	WAR			4052	460SI	04/03 RFO
81	123	0.11	71	2	SAI		012	-7.08	012	012				4049	520SI	04/03 RFO
		0.11	71	2	TWD	55	012	-7.08	012	012				4049	520SI	04/03 RFO
		0.06	48	2	SAI		012	-15.07	012	012				4049	520SI	04/03 RFO
		0.06	48	2	TWD	88	012	-15.07	012	012				4049	520SI	04/03 RFO
		0.04	25	2	SAI		015	+24.97	015	014				4049	520SI	04/03 RFO
		0.04	25	2	TWD	76	015	+24.97	015	014				4049	520SI	04/03 RFO
		0.29	79	2	MAI		015	+14.60	015	014				4049	520SI	04/03 RFO
		0.29	79	2	TWD	35	015	+14.60	015	014				4049	520SI	04/03 RFO
		0.08	59	2	SAI		015	+5.59	015	014				4049	520SI	04/03 RFO
		0.08	59	2	TWD	75	015	+5.59	015	014				4049	520SI	04/03 RFO
		0.28	86	2	MAI		014	+33.41	015	014				4049	520SI	04/03 RFO
		0.28	86	2	TWD	10	014	+33.41	015	014				4049	520SI	04/03 RFO
		0.19	85	2	MAI		014	+22.84	015	014				4049	520SI	04/03 RFO
		0.18	83	2	TWD	22	014	+22.84	015	014				4049	520SI	04/03 RFO
		0.34	80	2	SAI		014	+19.26	015	014				4049	520SI	04/03 RFO
		0.34	80	2	TWD	32	014	+19.26	015	014				4049	520SI	04/03 RFO
		0.12	84	2	SAI		014	+7.72	015	014				4049	520SI	04/03 RFO
		0.12	84	2	TWD	18	014	+7.72	015	014				4049	520SI	04/03 RFO
		0.54	100	P 3	TWD	8	014	+0.51	015	014	WAR			4049	520SI	04/03 RFO
		0.18	64	2	SAI		014	-0.98	015	014				4049	520SI	04/03 RFO
		0.18	64	2	TWD	68	014	-0.98	015	014				4049	520SI	04/03 RFO
		0.19	79	2	SAI		014	-16.20	015	014				4049	520SI	04/03 RFO
		0.19	79	2	TWD	35	014	-16.20	015	014				4049	520SI	04/03 RFO
		0.05	117	2	SAI		014	-18.56	015	014				4049	520SI	04/03 RFO
		0.05	117	2	TWD	0	014	-18.56	015	014				4049	520SI	04/03 RFO
		0.18	52	2	MAI		013	-1.86	013	013				4049	520SI	04/03 RFO
		0.12	47	2	TWD	89	013	-1.86	013	013				4049	520SI	04/03 RFO
		0.16	62	2	SAI		013	-5.73	013	013				4049	520SI	04/03 RFO
		0.16	62	2	TWD	71	013	-5.73	013	013				4049	520SI	04/03 RFO
		0.05	60	2	SAI		013	-20.57	013	013				4049	520SI	04/03 RFO
		0.05	60	2	TWD	74	013	-20.57	013	013				4049	520SI	04/03 RFO
		0.16	73	2	SAI		012	-1.91	012	012				4049	520SI	04/03 RFO
		0.16	70	2	TWD	57	012	-1.91	012	012				4049	520SI	04/03 RFO
81	130	0.37	41	2	VOL		UTS	-11.89	UTS	UTS				4049	520SI	04/03 RFO
		0.19	96	2	VOL		UTS	-12.50	UTS	UTS				4049	520SI	04/03 RFO
		0.15	67	2	VOL		015	+7.08	015	015				4049	520SI	04/03 RFO
		0.06	91	2	VOL		013	+1.18	013	013				4049	520SI	04/03 RFO
		0.09	115	2	VOL		013	+0.86	013	013				4049	520SI	04/03 RFO
82	1	2.95	29	P 1	DRS		UTE	-0.90	UTE	UTE	SLV			1008	400PS	04/03 RFO
82	4	6.56	18	P 1	DRS		UTE	-0.93	UTE	UTE	SLV			1008	400PS	04/03 RFO
82	5	5.63	21	P 1	DRS		UTE	-0.73	UTE	UTE	SLV			1008	400PS	04/03 RFO
82	6	2.39	12	P 1	DRS		UTE	-0.79	UTE	UTE	SLV			1007	400PS	04/03 RFO
		0.47	116	P 3	TWD	9	010	-0.04	010	010	WAR			4031	460SI	04/03 RFO
		0.31	76	P 3	TWD	6	012	+0.65	012	012	WAR			4031	460SI	04/03 RFO
82	9	1.25	69	P 3	TWD	19	011	+0.67	011	011	WAR			4024	460SI	04/03 RFO
		0.64	113	P 3	TWD	11	013	+0.68	013	013	WAR			4024	460SI	04/03 RFO
82	32	0.56	52	P 3	TWD	15	010	+0.70	010	010	WAR			4038	460SI	04/03 RFO
82	33	0.28	66	P 3	TWD	6	010	+0.54	010	010	WAR			4038	460SI	04/03 RFO
82	40	0.29	87	P 3	TWD	8	010	+0.45	010	010	WAR			4038	460SI	04/03 RFO
82	41	0.18	74	2	SAI		015	-9.61	015	015				4064	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.18	74	2	TWD	52	015	-9.61	015	015				4064	520SI	04/03	RFO
		0.07	57	2	TWD	74	014	-26.93	014	014				4064	520SI	04/03	RFO
		0.10	91	2	TWD	24	014	-10.27	014	014				4064	520SI	04/03	RFO
		0.18	58	2	SAI		014	-22.13	014	014				4064	520SI	04/03	RFO
		0.17	58	2	TWD	73	014	-22.13	014	014				4064	520SI	04/03	RFO
		0.07	57	2	SAI		014	-26.93	014	014				4064	520SI	04/03	RFO
		0.10	91	2	SAI		014	-10.27	014	014				4064	520SI	04/03	RFO
		0.23	0	P	3	TWD	4	010	+0.73	010	010	WAR		4064	520SI	04/03	RFO
		0.35	0	P	3	TWD	7	009	-0.66	009	009	WAR		4064	520SI	04/03	RFO
82	42	0.33	0	P	3	TWD	8	009	-0.60	009	009	WAR		4063	460SI	04/03	RFO
82	43	0.28	53	P	3	TWD	4	010	+0.64	010	010	WAR		4064	520SI	04/03	RFO
		0.58	0	P	3	TWD	11	009	-0.61	009	009	WAR		4064	520SI	04/03	RFO
82	44	0.51	72	2	SAI		014	+16.08	014	014				4063	460SI	04/03	RFO
		0.51	72	2	TWD	0	014	+16.08	014	014				4063	460SI	04/03	RFO
		0.54	88	2	SAI		014	+22.34	014	014				4063	460SI	04/03	RFO
		0.54	88	2	TWD	0	014	+22.34	014	014				4063	460SI	04/03	RFO
		0.48	80	2	SAI		014	+18.43	014	014				4063	460SI	04/03	RFO
		0.48	80	2	TWD	0	014	+18.43	014	014				4063	460SI	04/03	RFO
		0.61	51	P	3	TWD	12	010	+0.55	010	010	WAR		4063	460SI	04/03	RFO
82	46	0.68	0	P	3	TWD	16	009	-0.71	009	009	WAR		4063	460SI	04/03	RFO
82	92	0.19	43	2	SAI		007	+14.58	007	007				4049	520SI	04/03	RFO
		0.19	43	2	TWD	92	007	+14.58	007	007				4049	520SI	04/03	RFO
82	96	0.11	45	2	SAI		LTS	-7.71	LTS	LTS				4049	520SI	04/03	RFO
		0.12	50	2	TWD	86	LTS	-7.71	LTS	LTS				4049	520SI	04/03	RFO
82	121	0.17	117	2	SAI		015	-2.51	015	015				4049	520SI	04/03	RFO
		0.17	117	2	TWD	0	015	-2.51	015	015				4049	520SI	04/03	RFO
		0.16	84	2	SAI		015	-3.55	015	015				4049	520SI	04/03	RFO
		0.16	84	2	TWD	18	015	-3.55	015	015				4049	520SI	04/03	RFO
82	122	0.23	73	2	SAI		015	+7.94	015	015				4049	520SI	04/03	RFO
		0.23	73	2	TWD	51	015	+7.94	015	015				4049	520SI	04/03	RFO
		0.20	84	P	3	TWD	3	015	-0.88	015	015	WAR		4049	520SI	04/03	RFO
		0.14	78	2	SAI		015	-2.32	015	015				4049	520SI	04/03	RFO
		0.14	78	2	TWD	38	015	-2.32	015	015				4049	520SI	04/03	RFO
		0.13	83	2	SAI		015	-3.11	015	015				4049	520SI	04/03	RFO
		0.13	83	2	TWD	22	015	-3.11	015	015				4049	520SI	04/03	RFO
		0.15	88	2	SAI		015	-7.43	015	015				4049	520SI	04/03	RFO
		0.15	88	2	TWD	1	015	-7.43	015	015				4049	520SI	04/03	RFO
		0.18	68	2	SAI		015	-10.00	015	015				4049	520SI	04/03	RFO
		0.20	66	2	TWD	64	015	-10.00	015	015				4049	520SI	04/03	RFO
83	1	9.55	19	P	1	DRS	UTE	-0.64	UTE	UTE	SLV			1008	400PS	04/03	RFO
83	2	8.48	16	P	1	DRS	UTE	-0.69	UTE	UTE	SLV			1008	400PS	04/03	RFO
83	8	1.15	90	P	3	TWD	22	010	+0.08	010	010	WAR		4024	460SI	04/03	RFO
83	15	0.18	78	2	SAI		013	-2.15	013	013				4068	460SI	04/03	RFO
		0.18	78	2	TWD	36	013	-2.15	013	013				4068	460SI	04/03	RFO
83	26	0.35	67	P	3	TWD	5	010	+0.41	010	010	WAR		4066	460SI	04/03	RFO
83	28	0.65	91	P	3	TWD	10	010	+0.50	010	010	WAR		4066	460SI	04/03	RFO
83	31	0.37	81	P	3	TWD	10	009	+0.64	009	009	WAR		4038	460SI	04/03	RFO
83	32	0.38	56	P	3	TWD	11	011	-0.79	011	011	WAR		4038	460SI	04/03	RFO
		0.51	64	P	3	TWD	10	010	+0.42	010	010	WAR		4038	460SI	04/03	RFO
83	34	0.34	108	P	3	TWD	10	010	+0.65	010	010	WAR		4038	460SI	04/03	RFO
83	37	0.30	32	P	3	TWD	9	010	+0.48	010	010	WAR		4038	460SI	04/03	RFO
83	38	0.23	76	2	SAI		012	+6.35	012	012				4055	460SI	04/03	RFO
		0.23	76	2	TWD	49	012	+6.35	012	012				4055	460SI	04/03	RFO
		0.20	74	2	SAI		012	+5.23	012	012				4055	460SI	04/03	RFO
		0.20	74	2	TWD	51	012	+5.23	012	012				4055	460SI	04/03	RFO
83	42	0.15	70	2	SAI		015	-12.82	015	015				4055	460SI	04/03	RFO
		0.15	70	2	TWD	56	015	-12.82	015	015				4055	460SI	04/03	RFO
		0.12	95	2	SAI		013	+15.74	013	013				4055	460SI	04/03	RFO
		0.12	95	2	TWD	24	013	+15.74	013	013				4055	460SI	04/03	RFO
		0.11	103	2	SAI		015	-21.61	015	015				4055	460SI	04/03	RFO
		0.11	103	2	TWD	14	015	-21.61	015	015				4055	460SI	04/03	RFO
		0.21	56	2	SAI		015	-18.16	015	015				4055	460SI	04/03	RFO
		0.21	56	2	TWD	74	015	-18.16	015	015				4055	460SI	04/03	RFO
		0.14	81	2	SAI		015	-14.95	015	015				4055	460SI	04/03	RFO
		0.14	81	2	TWD	42	015	-14.95	015	015				4055	460SI	04/03	RFO
83	43	0.34	48	P	3	TWD	10	008	-0.51	008	008	WAR		4038	460SI	04/03	RFO
		0.86	107	P	3	TWD	16	008	+0.49	008	008	WAR		4038	460SI	04/03	RFO
		0.25	143	P	3	TWD	5	009	-0.72	009	009	WAR		4038	460SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
83	60	0.40	69	P 3	TWD 11	009	+0.64	009	009	WAR				4038	460SI	04/03 RFO
		0.85	32	2	TEA	UTE	-0.20	UTE	UTE					2123	460HR	04/03 RFO
83	62	0.14	67	2	SAI	UTS	-2.25	UTS	UTS					4057	460SI	04/03 RFO
		0.17	73	2	TWD 54	UTS	-2.25	UTS	UTS					4057	460SI	04/03 RFO
83	83	0.21	61	2	SAI	UTS	-21.90	UTS	UTS					4060	520SI	04/03 RFO
		0.21	61	2	TWD 71	UTS	-21.90	UTS	UTS					4060	520SI	04/03 RFO
83	86	0.13	76	2	SAI	011	+18.85	011	011					4060	520SI	04/03 RFO
		0.13	76	2	TWD 0	011	+18.85	011	011					4060	520SI	04/03 RFO
83	97	0.10	70	2	SAI	010	+9.92	010	010					4049	520SI	04/03 RFO
		0.07	67	2	TWD 63	010	+9.92	010	010					4049	520SI	04/03 RFO
83	104	0.17	49	2	VOL	010	+5.34	010	010					4049	520SI	04/03 RFO
83	117	0.25	64	2	VOL	011	-14.20	011	011					4049	520SI	04/03 RFO
83	123	0.18	93	2	SAI	015	-4.59	015	015					4049	520SI	04/03 RFO
		0.18	93	2	TWD 0	015	-4.59	015	015					4049	520SI	04/03 RFO
		0.16	96	2	SAI	015	-7.29	015	015					4049	520SI	04/03 RFO
		0.16	96	2	TWD 0	015	-7.29	015	015					4049	520SI	04/03 RFO
		0.19	93	2	SAI	015	-10.04	015	015					4049	520SI	04/03 RFO
		0.19	93	2	TWD 0	015	-10.04	015	015					4049	520SI	04/03 RFO
83	124	0.13	69	2	MAI	015	+4.64	015	015					4049	520SI	04/03 RFO
		0.12	67	2	TWD 63	015	+4.64	015	015					4049	520SI	04/03 RFO
		0.08	86	2	SAI	015	+13.01	015	015					4049	520SI	04/03 RFO
		0.08	86	2	TWD 10	015	+13.01	015	015					4049	520SI	04/03 RFO
		0.06	57	2	MAI	015	-2.62	015	015					4049	520SI	04/03 RFO
		0.06	57	2	TWD 78	015	-2.62	015	015					4049	520SI	04/03 RFO
		0.16	69	2	MAI	015	-17.86	015	015					4049	520SI	04/03 RFO
		0.16	69	2	TWD 59	015	-17.86	015	015					4049	520SI	04/03 RFO
		0.08	95	2	MAI	014	-2.00	014	014					4049	520SI	04/03 RFO
		0.08	95	2	TWD 0	014	-2.00	014	014					4049	520SI	04/03 RFO
		0.11	56	2	SAI	014	-8.37	014	014					4049	520SI	04/03 RFO
		0.11	56	2	TWD 79	014	-8.37	014	014					4049	520SI	04/03 RFO
		0.04	88	2	MAI	014	-19.09	014	014					4049	520SI	04/03 RFO
		0.04	88	2	TWD 1	014	-19.09	014	014					4049	520SI	04/03 RFO
		0.07	76	2	SAI	013	-4.18	013	013					4049	520SI	04/03 RFO
		0.07	76	2	TWD 43	013	-4.18	013	013					4049	520SI	04/03 RFO
		0.06	71	2	SAI	013	-16.21	013	013					4049	520SI	04/03 RFO
		0.06	71	2	TWD 55	013	-16.21	013	013					4049	520SI	04/03 RFO
83	125	0.17	57	2	SAI	015	-1.26	015	015					4049	520SI	04/03 RFO
		0.17	57	2	TWD 78	015	-1.26	015	015					4049	520SI	04/03 RFO
		0.22	79	2	MAI	015	-5.18	015	015					4049	520SI	04/03 RFO
		0.22	79	2	TWD 35	015	-5.18	015	015					4049	520SI	04/03 RFO
		0.13	47	2	SAI	015	-20.73	015	015					4049	520SI	04/03 RFO
		0.13	47	2	TWD 89	015	-20.73	015	015					4049	520SI	04/03 RFO
84	1	7.82	20	P 1	DRS	UTE	-0.54	UTE	UTE	SLV				1008	400PS	04/03 RFO
84	2	3.05	13	P 1	DRS	UTE	-0.86	UTE	UTE	SLV				1008	400PS	04/03 RFO
		0.90	91	P 3	TWD 15	010	-0.58	010	010	WAR				4024	460SI	04/03 RFO
84	3	6.20	17	2	DRS	UTE	-0.58	UTE	UTE	SLV				1008	400PS	04/03 RFO
		0.88	83	P 3	TWD 14	013	-0.66	013	013	WAR				4024	460SI	04/03 RFO
84	4	6.19	22	P 1	DRS	UTE	-0.67	UTE	UTE	SLV				1011	400PS	04/03 RFO
84	12	0.23	92	P 3	TWD 4	014	-0.72	014	014	WAR				4068	460SI	04/03 RFO
84	19	0.52	71	P 3	TWD 9	011	+0.60	011	011	WAR				4068	460SI	04/03 RFO
84	28	0.58	150	P 3	TWD 9	010	+0.40	010	010	WAR				4066	460SI	04/03 RFO
84	30	0.76	21	2	TWD 62	UTE	-1.23	UTE	UTE					2120	460HR	04/03 RFO
		0.76	21	2	SAI	UTE	-1.23	UTE	UTE	TR				2120	460HR	04/03 RFO
		0.36	123	P 3	TWD 6	015	+0.70	015	015	WAR				4066	460SI	04/03 RFO
84	55	0.40	0	P 3	TWD 9	005	+0.61	005	005	WAR				4057	460SI	04/03 RFO
84	63	0.11	80	2	SAI	UTS	-0.50	UTS	UTS					4057	460SI	04/03 RFO
		0.15	77	2	TWD 48	UTS	-0.50	UTS	UTS					4057	460SI	04/03 RFO
		0.22	87	2	SAI	UTS	-0.86	UTS	UTS					4057	460SI	04/03 RFO
		0.22	87	2	TWD 32	UTS	-0.86	UTS	UTS					4057	460SI	04/03 RFO
		0.31	89	2	SAI	UTS	-1.80	UTS	UTS					4057	460SI	04/03 RFO
		0.31	89	2	TWD 28	UTS	-1.80	UTS	UTS					4057	460SI	04/03 RFO
		0.07	84	2	SAI	015	+18.92	015	015					4057	460SI	04/03 RFO
		0.07	84	2	TWD 9	015	+18.92	015	015					4057	460SI	04/03 RFO
		0.07	87	2	SAI	015	+16.06	015	015					4057	460SI	04/03 RFO
		0.07	87	2	TWD 1	015	+16.06	015	015					4057	460SI	04/03 RFO
84	64	1.49	22	2	TEA	UTE	-0.18	UTE	UTE					2123	460HR	04/03 RFO
84	86	0.17	60	2	SAI	UTS	-9.03	UTS	UTS					4060	520SI	04/03 RFO
		0.17	60	2	TWD 71	UTS	-9.03	UTS	UTS					4060	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.12	37	2	SAI		UTS	-9.36	UTS	UTS				4060	520SI	04/03 RFO
		0.12	37	2	TWD	97	UTS	-9.36	UTS	UTS				4060	520SI	04/03 RFO
		0.10	59	2	SAI		UTS	-12.49	UTS	UTS				4060	520SI	04/03 RFO
		0.10	59	2	TWD	74	UTS	-12.49	UTS	UTS				4060	520SI	04/03 RFO
		0.10	40	2	SAI		UTS	-11.23	UTS	UTS				4060	520SI	04/03 RFO
		0.10	40	2	TWD	95	UTS	-11.23	UTS	UTS				4060	520SI	04/03 RFO
85	9	0.87	53	2	SAI		009	+0.83	009	009				4070	460SI	04/03 RFO
		0.87	53	2	TWD	81	009	+0.83	009	009				4070	460SI	04/03 RFO
85	14	0.43	113	2	VOL		010	-0.80	010	010				4070	460SI	04/03 RFO
85	19	4.23	176	1	DNT		UTS	-0.07	UTS	UTS				4070	460SI	04/03 RFO
85	25	0.13	101	2	SAI		010	+4.08	010	010				4070	460SI	04/03 RFO
		0.13	101	2	TWD	7	010	+4.08	010	010				4070	460SI	04/03 RFO
		0.53	38	P 3	TWD	10	010	+0.65	010	010	WAR			4070	460SI	04/03 RFO
85	26	0.38	131	P 3	TWD	7	010	+0.61	010	010	WAR			4070	460SI	04/03 RFO
		0.50	148	P 3	TWD	9	010	-0.80	010	010	WAR			4070	460SI	04/03 RFO
85	27	0.56	67	P 3	TWD	9	010	-0.62	010	010	WAR			4066	460SI	04/03 RFO
85	29	0.59	69	P 3	TWD	9	010	-0.72	010	010	WAR			4066	460SI	04/03 RFO
85	32	0.62	68	2	VOL		009	-0.68	009	009				4038	460SI	04/03 RFO
85	36	0.33	99	P 3	TWD	7	009	-0.82	009	009	WAR			4038	460SI	04/03 RFO
85	42	0.62	109	P 3	TWD	16	008	-0.75	008	008	WAR			4038	460SI	04/03 RFO
		0.71	46	P 3	TWD	18	009	-0.76	009	009	WAR			4038	460SI	04/03 RFO
		0.82	121	P 3	TWD	20	009	+0.62	009	009	WAR			4038	460SI	04/03 RFO
85	44	0.61	121	P 3	TWD	16	008	-0.65	008	008	WAR			4038	460SI	04/03 RFO
85	61	0.20	83	2	SAI		UTS	-21.10	UTS	UTS				4057	460SI	04/03 RFO
		0.20	83	2	TWD	12	UTS	-21.10	UTS	UTS				4057	460SI	04/03 RFO
		0.29	74	2	SAI		UTS	-20.60	UTS	UTS				4057	460SI	04/03 RFO
		0.29	74	2	TWD	38	UTS	-20.60	UTS	UTS				4057	460SI	04/03 RFO
		0.06	74	2	SAI		UTS	-22.30	UTS	UTS				4057	460SI	04/03 RFO
		0.06	74	2	TWD	38	UTS	-22.30	UTS	UTS				4057	460SI	04/03 RFO
85	88	0.11	78	2	SAI		UTS	-10.76	UTS	UTS				4060	520SI	04/03 RFO
		0.11	78	2	TWD	3	UTS	-10.76	UTS	UTS				4060	520SI	04/03 RFO
		0.24	82	2	SAI		009	-14.73	009	009				4060	520SI	04/03 RFO
		0.24	82	2	TWD	0	009	-14.73	009	009				4060	520SI	04/03 RFO
		0.12	90	2	SAI		009	-13.07	009	009				4060	520SI	04/03 RFO
		0.12	90	2	TWD	0	009	-13.07	009	009				4060	520SI	04/03 RFO
85	91	0.08	55	2	VOL		012	+18.09	012	012				4060	520SI	04/03 RFO
85	95	0.06	83	2	SAI		010	-8.43	010	010				4049	520SI	04/03 RFO
		0.06	83	2	TWD	22	010	-8.43	010	010				4049	520SI	04/03 RFO
		0.05	58	2	SAI		007	-5.30	007	007				4049	520SI	04/03 RFO
		0.05	58	2	TWD	77	007	-5.30	007	007				4049	520SI	04/03 RFO
85	118	0.20	44	2	VOL		003	-6.23	003	003				4049	520SI	04/03 RFO
85	122	0.11	86	2	SAI		014	-3.92	014	014				4049	520SI	04/03 RFO
		0.11	75	2	TWD	46	014	-3.92	014	014				4049	520SI	04/03 RFO
85	128	0.13	80	2	SAI		015	+7.36	015	015				4049	520SI	04/03 RFO
		0.12	88	2	TWD	1	015	+7.36	015	015				4049	520SI	04/03 RFO
85	130	0.85	96	P 3	TWD	15	009	-0.10	009	009	WAR			4035	520SI	04/03 RFO
86	1	0.71	102	P 3	TWD	13	014	+0.69	014	014	WAR			4031	460SI	04/03 RFO
		2.50	36	P 1	DRS		UTE	-0.99	UTE	UTE	SLV			1009	400PS	04/03 RFO
86	2	6.39	15	P 1	DRS		UTE	-0.74	UTE	UTE	SLV			1009	400PS	04/03 RFO
86	11	0.51	57	P 3	TWD	9	010	-0.69	010	010	WAR			4070	460SI	04/03 RFO
86	14	0.45	71	P 3	TWD	8	011	-0.77	011	011	WAR			4070	460SI	04/03 RFO
86	24	0.32	159	P 3	TWD	6	010	-0.57	010	010	WAR			4070	460SI	04/03 RFO
86	28	0.69	80	P 3	TWD	11	009	-0.58	009	009	WAR			4066	460SI	04/03 RFO
86	30	0.45	136	P 3	TWD	8	009	-0.76	009	009	WAR			4066	460SI	04/03 RFO
86	32	0.34	42	P 3	TWD	10	009	-0.83	009	009	WAR			4038	460SI	04/03 RFO
86	34	0.59	67	P 3	TWD	15	009	-0.72	009	009	WAR			4038	460SI	04/03 RFO
86	37	0.51	95	P 3	TWD	10	009	-0.65	009	009	WAR			4043	460SI	04/03 RFO
86	39	0.12	45	2	SAI		011	-7.88	011	011				4043	460SI	04/03 RFO
		0.07	72	2	TWD	26	011	-7.88	011	011				4043	460SI	04/03 RFO
86	41	0.41	41	P 3	TWD	8	008	-0.78	008	008	WAR			4043	460SI	04/03 RFO
86	51	0.15	67	2	VOL		009	-3.23	009	009				4043	460SI	04/03 RFO
86	55	0.36	0	P 3	TWD	8	005	-0.68	005	005	WAR			4057	460SI	04/03 RFO
86	64	1.87	30	2	TEA		UTE	-0.18	UTE	UTE				2123	460HR	04/03 RFO
86	67	0.42	117	P 3	TWD	8	004	-0.73	004	004	WAR			4004	460SI	04/03 RFO
86	99	3.56	164	1	DNT		015	+0.34	015	015				4049	520SI	04/03 RFO
86	103	0.17	54	2	VOL		UTS	-15.27	UTS	UTS				4049	520SI	04/03 RFO
86	122	0.05	66	2	SAI		015	-1.42	015	015				4049	520SI	04/03 RFO
		0.05	66	2	TWD	64	015	-1.42	015	015				4049	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.16	82	2	SAI		015	-8.27	015	015				4049	520SI	04/03	RFO
		0.16	82	2	TWD	25	015	-8.27	015	015				4049	520SI	04/03	RFO
		0.09	62	2	SAI		015	-16.96	015	015				4049	520SI	04/03	RFO
		0.09	62	2	TWD	71	015	-16.96	015	015				4049	520SI	04/03	RFO
		0.08	62	2	SAI		015	-6.32	015	015				4049	520SI	04/03	RFO
		0.08	62	2	TWD	71	015	-6.32	015	015				4049	520SI	04/03	RFO
		0.12	60	2	SAI		014	-3.18	014	014				4049	520SI	04/03	RFO
		0.12	60	2	TWD	74	014	-3.18	014	014				4049	520SI	04/03	RFO
		0.12	96	2	SAI		014	-8.97	014	014				4049	520SI	04/03	RFO
		0.12	96	2	TWD	0	014	-8.97	014	014				4049	520SI	04/03	RFO
		0.09	77	2	SAI		014	-13.74	014	014				4049	520SI	04/03	RFO
		0.09	77	2	TWD	41	014	-13.74	014	014				4049	520SI	04/03	RFO
86	124	0.13	68	2	MAI		015	-1.60	015	015				4049	520SI	04/03	RFO
		0.13	68	2	TWD	64	015	-1.60	015	015				4049	520SI	04/03	RFO
		0.12	77	2	SAI		015	-8.21	015	015				4049	520SI	04/03	RFO
		0.12	77	2	TWD	41	015	-8.21	015	015				4049	520SI	04/03	RFO
		0.07	81	2	MAI		015	-14.56	015	015				4049	520SI	04/03	RFO
		0.07	81	2	TWD	29	015	-14.56	015	015				4049	520SI	04/03	RFO
		0.03	62	2	MAI		014	-2.31	014	014				4049	520SI	04/03	RFO
		0.14	72	2	TWD	53	014	-2.31	014	014				4049	520SI	04/03	RFO
		0.09	68	2	SAI		014	-3.40	014	014				4049	520SI	04/03	RFO
		0.14	69	2	TWD	59	014	-3.40	014	014				4049	520SI	04/03	RFO
		0.12	78	2	TWD	38	014	-4.97	014	014				4049	520SI	04/03	RFO
		0.12	78	2	SAI		014	-4.97	014	014				4049	520SI	04/03	RFO
		0.02	183	2	SAI		014	-11.11	014	014				4049	520SI	04/03	RFO
		0.08	63	2	TWD	69	014	-11.11	014	014				4049	520SI	04/03	RFO
86	125	0.17	71	2	TWD	55	015	-2.52	015	015				4049	520SI	04/03	RFO
		0.17	71	2	MAI		015	-2.52	015	015				4049	520SI	04/03	RFO
		0.24	71	2	MAI		015	-3.49	015	015				4049	520SI	04/03	RFO
		0.24	71	2	TWD	55	015	-3.49	015	015				4049	520SI	04/03	RFO
		0.22	60	2	MAI		015	-11.00	015	015				4049	520SI	04/03	RFO
		0.22	60	2	TWD	74	015	-11.00	015	015				4049	520SI	04/03	RFO
		0.07	89	2	SAI		015	-19.87	015	015				4049	520SI	04/03	RFO
		0.07	89	2	TWD	0	015	-19.87	015	015				4049	520SI	04/03	RFO
		0.11	96	2	SAI		015	-23.50	015	015				4049	520SI	04/03	RFO
		0.11	96	2	TWD	0	015	-23.50	015	015				4049	520SI	04/03	RFO
		0.20	66	2	MAI		014	-1.58	014	014				4049	520SI	04/03	RFO
		0.20	66	2	TWD	64	014	-1.58	014	014				4049	520SI	04/03	RFO
		0.10	57	2	SAI		014	-14.97	014	014				4049	520SI	04/03	RFO
		0.10	57	2	TWD	78	014	-14.97	014	014				4049	520SI	04/03	RFO
		0.15	62	2	SAI		013	-1.71	013	013				4049	520SI	04/03	RFO
		0.15	62	2	TWD	71	013	-1.71	013	013				4049	520SI	04/03	RFO
86	129	10.85	5	1	DNT		008	+0.00	008	008				4049	520SI	04/03	RFO
86	131	0.46	92	P 3	TWD	9	013	-0.64	013	013	WAR			4035	520SI	04/03	RFO
		0.11	77	2	VOL		013	+1.39	013	013				4035	520SI	04/03	RFO
87	1	5.55	21	P 1	DRS		UTE	-0.95	UTE	UTE	SLV			1009	400PS	04/03	RFO
87	8	0.69	109	P 3	TWD	12	010	-0.91	010	010	WAR			4070	460SI	04/03	RFO
87	9	0.51	73	2	VOL		010	-0.61	010	010				4070	460SI	04/03	RFO
87	19	0.17	141	2	VOL		001	-19.79	001	001				4070	460SI	04/03	RFO
87	24	0.47	47	2	SAI		UTS	-12.94	UTS	UTS				4070	460SI	04/03	RFO
		0.47	47	2	TWD	88	UTS	-12.94	UTS	UTS				4070	460SI	04/03	RFO
		0.66	43	2	SAI		UTS	-13.12	UTS	UTS				4070	460SI	04/03	RFO
		0.66	43	2	TWD	93	UTS	-13.12	UTS	UTS				4070	460SI	04/03	RFO
87	36	1.30	14	2	TEA		UTE	-0.19	UTE	UTE				2104	460HR	04/03	RFO
87	50	0.29	128	2	VOL		009	-0.72	009	009				4043	460SI	04/03	RFO
87	61	0.10	89	2	MAI		UTS	-12.50	UTS	UTS				4057	460SI	04/03	RFO
		0.11	97	2	TWD	13	UTS	-12.50	UTS	UTS				4057	460SI	04/03	RFO
		0.16	73	2	SAI		UTS	-15.01	UTS	UTS				4057	460SI	04/03	RFO
		0.16	73	2	TWD	54	UTS	-15.01	UTS	UTS				4057	460SI	04/03	RFO
		0.07	90	2	SAI		UTS	-16.31	UTS	UTS				4057	460SI	04/03	RFO
		0.07	90	2	TWD	26	UTS	-16.31	UTS	UTS				4057	460SI	04/03	RFO
		0.11	81	2	MAI		UTS	-17.20	UTS	UTS				4057	460SI	04/03	RFO
		0.11	81	2	TWD	42	UTS	-17.20	UTS	UTS				4057	460SI	04/03	RFO
		0.17	82	2	MAI		UTS	-19.55	UTS	UTS				4057	460SI	04/03	RFO
		0.17	82	2	TWD	40	UTS	-19.55	UTS	UTS				4057	460SI	04/03	RFO
		0.12	94	2	MAI		UTS	-23.32	UTS	UTS				4057	460SI	04/03	RFO
		0.12	94	2	TWD	19	UTS	-23.32	UTS	UTS				4057	460SI	04/03	RFO
87	86	0.12	98	2	SAI		UTS	-8.78	UTS	UTS				4060	520SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.12	98	2	TWD	0	UTS	-8.78	UTS	UTS				4060	520SI	04/03 RFO
		0.11	95	2	SAI		UTS	-9.89	UTS	UTS				4060	520SI	04/03 RFO
		0.11	95	2	TWD	0	UTS	-9.89	UTS	UTS				4060	520SI	04/03 RFO
		0.10	91	2	SAI		UTS	-11.01	UTS	UTS				4060	520SI	04/03 RFO
		0.10	91	2	TWD	0	UTS	-11.01	UTS	UTS				4060	520SI	04/03 RFO
		0.10	81	2	SAI		UTS	-16.65	UTS	UTS				4060	520SI	04/03 RFO
		0.10	81	2	TWD	0	UTS	-16.65	UTS	UTS				4060	520SI	04/03 RFO
		0.08	124	2	SAI		UTS	-17.72	UTS	UTS				4060	520SI	04/03 RFO
		0.08	124	2	TWD	0	UTS	-17.72	UTS	UTS				4060	520SI	04/03 RFO
		0.16	57	2	SAI		UTS	-19.14	UTS	UTS				4060	520SI	04/03 RFO
		0.16	57	2	TWD	78	UTS	-19.14	UTS	UTS				4060	520SI	04/03 RFO
		0.11	45	2	SAI		UTS	-18.28	UTS	UTS				4060	520SI	04/03 RFO
		0.11	45	2	TWD	91	UTS	-18.28	UTS	UTS				4060	520SI	04/03 RFO
87	87	0.11	61	2	SAI		UTS	-9.41	UTS	UTS				4060	520SI	04/03 RFO
		0.11	61	2	TWD	71	UTS	-9.41	UTS	UTS				4060	520SI	04/03 RFO
		0.13	72	2	SAI		UTS	-12.22	UTS	UTS				4060	520SI	04/03 RFO
		0.13	72	2	TWD	40	UTS	-12.22	UTS	UTS				4060	520SI	04/03 RFO
		0.17	70	2	SAI		UTS	-13.70	UTS	UTS				4060	520SI	04/03 RFO
		0.17	70	2	TWD	47	UTS	-13.70	UTS	UTS				4060	520SI	04/03 RFO
		0.16	62	2	SAI		UTS	-14.99	UTS	UTS				4060	520SI	04/03 RFO
		0.16	62	2	TWD	69	UTS	-14.99	UTS	UTS				4060	520SI	04/03 RFO
		0.20	89	2	SAI		008	+18.42	008	008				4060	520SI	04/03 RFO
		0.20	89	2	TWD	0	008	+18.42	008	008				4060	520SI	04/03 RFO
87	88	0.37	107	P 4	SVI		UTS	+6.81	UTS	UTS				4060	520SI	04/03 RFO
		0.37	107	P 4	TWD	0	UTS	+6.81	UTS	UTS				4060	520SI	04/03 RFO
87	120	0.12	135	2	VOL		006	-0.35	006	006				4049	520SI	04/03 RFO
87	122	0.19	232	2	SAI		014	+4.00	015	014				4044	520SI	04/03 RFO
		0.14	49	2	TWD	78	014	+4.00	015	014				4044	520SI	04/03 RFO
		0.14	34	2	SAI		014	+7.47	015	014				4044	520SI	04/03 RFO
		0.14	34	2	TWD	95	014	+7.47	015	014				4044	520SI	04/03 RFO
		0.17	52	2	SAI		014	+16.59	015	014				4044	520SI	04/03 RFO
		0.17	52	2	TWD	74	014	+16.59	015	014				4044	520SI	04/03 RFO
		0.18	68	2	SAI		014	+21.73	015	014				4044	520SI	04/03 RFO
		0.18	67	2	TWD	58	014	+21.73	015	014				4044	520SI	04/03 RFO
		0.12	94	2	SAI		014	+31.37	015	014				4044	520SI	04/03 RFO
		0.12	94	2	TWD	30	014	+31.37	015	014				4044	520SI	04/03 RFO
		0.10	58	2	SAI		015	+9.37	015	014				4044	520SI	04/03 RFO
		0.11	56	2	TWD	70	015	+9.37	015	014				4044	520SI	04/03 RFO
		0.13	53	2	SAI		015	+11.58	015	014				4044	520SI	04/03 RFO
		0.13	53	2	TWD	73	015	+11.58	015	014				4044	520SI	04/03 RFO
		0.07	51	2	SAI		013	+8.72	014	013				4044	520SI	04/03 RFO
		0.07	51	2	TWD	75	013	+8.72	014	013				4044	520SI	04/03 RFO
		0.14	73	2	SAI		013	+19.63	014	013				4044	520SI	04/03 RFO
		0.15	70	2	TWD	55	013	+19.63	014	013				4044	520SI	04/03 RFO
		0.13	43	2	SAI		013	+31.93	014	013				4044	520SI	04/03 RFO
		0.13	43	2	TWD	85	013	+31.93	014	013				4044	520SI	04/03 RFO
		0.20	60	2	SAI		013	+34.93	014	013				4044	520SI	04/03 RFO
		0.22	58	2	TWD	68	013	+34.93	014	013				4044	520SI	04/03 RFO
		0.16	71	2	SAI		013	-2.33	013	013				4044	520SI	04/03 RFO
		0.16	71	2	TWD	54	013	-2.33	013	013				4044	520SI	04/03 RFO
		0.18	84	2	SAI		013	-6.80	013	013				4044	520SI	04/03 RFO
		0.18	84	2	TWD	40	013	-6.80	013	013				4044	520SI	04/03 RFO
		0.21	79	2	SAI		013	-13.14	013	013				4044	520SI	04/03 RFO
		0.22	77	2	TWD	47	013	-13.14	013	013				4044	520SI	04/03 RFO
		0.14	69	2	SAI		013	-21.71	013	013				4044	520SI	04/03 RFO
		0.15	68	2	TWD	57	013	-21.71	013	013				4044	520SI	04/03 RFO
		0.26	88	P 3	TWD	4	002	+0.89	002	002	WAR			4044	520SI	04/03 RFO
87	124	0.28	84	P 3	TWD	5	015	+0.71	015	015	WAR			4044	520SI	04/03 RFO
		0.22	69	2	SAI		015	-2.70	015	015				4044	520SI	04/03 RFO
		0.22	69	2	TWD	56	015	-2.70	015	015				4044	520SI	04/03 RFO
		0.25	57	2	SAI		015	-8.42	015	015				4044	520SI	04/03 RFO
		0.25	57	2	TWD	69	015	-8.42	015	015				4044	520SI	04/03 RFO
		0.19	56	2	SAI		015	-6.52	015	015				4044	520SI	04/03 RFO
		0.19	56	2	TWD	70	015	-6.52	015	015				4044	520SI	04/03 RFO
		0.22	63	2	SAI		015	-3.94	015	015				4044	520SI	04/03 RFO
		0.22	65	2	TWD	60	015	-3.94	015	015				4044	520SI	04/03 RFO
87	128	1.27	28	2	MAI		UTE	-3.43	UTE	UTS	URT			2088	460HR	04/03 RFO
		1.27	28	2	TWD	87	UTE	-3.43	UTE	UTS				2088	460HR	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
87	130	0.60	77	P 3	TWD 11	012	-0.61	012	012	WAR				4035	520SI	04/03 RFO
		0.82	62	1	VOL	012	+14.93	012	012					4035	520SI	04/03 RFO
88	3	0.98	82	P 3	TWD 16	011	+0.70	011	011	WAR				4024	460SI	04/03 RFO
		0.65	117	P 3	TWD 11	012	-0.69	012	012	WAR				4024	460SI	04/03 RFO
88	5	0.15	38	2	VOL	011	-11.73	011	011					4028	460SI	04/03 RFO
88	8	0.19	56	2	TWD 78	009	-6.19	009	009					4070	460SI	04/03 RFO
		0.28	61	2	SAI	009	-6.19	009	009					4070	460SI	04/03 RFO
		0.14	64	2	TWD 68	009	-5.22	009	009					4070	460SI	04/03 RFO
		0.23	63	2	SAI	009	-5.22	009	009					4070	460SI	04/03 RFO
88	18	1.06	10	2	TEA	UTE	-0.15	UTE	UTE					2120	460HR	04/03 RFO
88	25	2.35	67	2	TEA	UTE	-0.15	UTE	UTE					2121	460HR	04/03 RFO
88	34	0.08	78	2	SAI	015	+11.65	015	015					4043	460SI	04/03 RFO
		0.08	78	2	TWD 17	015	+11.65	015	015					4043	460SI	04/03 RFO
88	36	0.45	79	2	SAI	014	-11.50	014	014					4055	460SI	04/03 RFO
		0.45	79	2	TWD 45	014	-11.50	014	014					4055	460SI	04/03 RFO
		0.36	68	2	SAI	014	-10.21	014	014					4055	460SI	04/03 RFO
		0.36	68	2	TWD 59	014	-10.21	014	014					4055	460SI	04/03 RFO
88	80	0.13	44	2	VOL	014	+8.95	014	014					4060	520SI	04/03 RFO
88	89	0.07	94	2	SAI	010	+3.06	010	010					4060	520SI	04/03 RFO
		0.07	94	2	TWD 0	010	+3.06	010	010					4060	520SI	04/03 RFO
		0.27	75	2	SAI	010	+8.62	010	010					4060	520SI	04/03 RFO
		0.27	75	2	TWD 24	010	+8.62	010	010					4060	520SI	04/03 RFO
		0.16	76	2	SAI	010	+9.85	010	010					4060	520SI	04/03 RFO
		0.16	76	2	TWD 18	010	+9.85	010	010					4060	520SI	04/03 RFO
		0.09	89	2	SAI	010	-2.45	010	010					4060	520SI	04/03 RFO
		0.09	89	2	TWD 0	010	-2.45	010	010					4060	520SI	04/03 RFO
		0.16	81	2	SAI	010	-5.70	010	010					4060	520SI	04/03 RFO
		0.16	81	2	TWD 0	010	-5.70	010	010					4060	520SI	04/03 RFO
88	96	0.08	48	2	VOL	UTS	-19.37	UTS	UTS					4041	520SI	04/03 RFO
88	122	0.27	120	2	VOL	015	+0.66	015	015					4044	520SI	04/03 RFO
88	125	0.53	124	P 3	TWD 9	006	-0.40	006	006	WAR				4044	520SI	04/03 RFO
89	2	1.33	84	P 3	TWD 20	011	+0.52	011	011	WAR				4024	460SI	04/03 RFO
89	14	0.21	81	2	SAI	014	+1.74	014	014					4070	460SI	04/03 RFO
		0.19	90	2	SAI	014	+2.92	014	014					4070	460SI	04/03 RFO
		0.20	83	2	TWD 40	014	+2.92	014	014					4070	460SI	04/03 RFO
		0.15	79	2	TWD 46	014	+1.74	014	014					4070	460SI	04/03 RFO
89	16	0.07	98	2	SAI	013	-2.59	013	013					4070	460SI	04/03 RFO
		0.07	98	2	TWD 13	013	-2.59	013	013					4070	460SI	04/03 RFO
		0.08	125	2	SAI	013	-6.38	013	013					4070	460SI	04/03 RFO
		0.08	125	2	TWD 1	013	-6.38	013	013					4070	460SI	04/03 RFO
		0.04	95	2	TWD 19	013	-6.76	013	013					4070	460SI	04/03 RFO
		0.04	68	2	SAI	013	-6.76	013	013					4070	460SI	04/03 RFO
		0.13	125	2	SAI	010	-2.68	010	010					4070	460SI	04/03 RFO
		0.13	125	2	TWD 1	010	-2.68	010	010					4070	460SI	04/03 RFO
89	17	0.44	89	P 3	TWD 8	009	-0.55	009	009	WAR				4070	460SI	04/03 RFO
89	59	1.33	20	2	TEA	UTE	-0.16	UTE	UTE					2123	460HR	04/03 RFO
		0.12	101	2	SAI	UTS	-15.73	UTS	UTS					4057	460SI	04/03 RFO
		0.11	101	2	TWD 5	UTS	-15.73	UTS	UTS					4057	460SI	04/03 RFO
		0.14	87	2	SAI	UTS	-16.72	UTS	UTS					4057	460SI	04/03 RFO
		0.14	87	2	TWD 32	UTS	-16.72	UTS	UTS					4057	460SI	04/03 RFO
		0.13	86	2	SAI	UTS	-18.01	UTS	UTS					4057	460SI	04/03 RFO
		0.13	86	2	TWD 33	UTS	-18.01	UTS	UTS					4057	460SI	04/03 RFO
		0.15	60	2	VOL	010	+15.23	010	010					4060	520SI	04/03 RFO
89	82	0.14	81	2	SAI	009	-4.17	009	009					4060	520SI	04/03 RFO
89	87	0.14	81	2	TWD 0	009	-4.17	009	009					4060	520SI	04/03 RFO
89	92	0.13	68	2	SAI	010	+13.87	010	010					4060	520SI	04/03 RFO
		0.13	68	2	TWD 54	010	+13.87	010	010					4060	520SI	04/03 RFO
		0.20	77	2	SAI	010	+10.60	010	010					4060	520SI	04/03 RFO
		0.20	77	2	TWD 11	010	+10.60	010	010					4060	520SI	04/03 RFO
		0.31	76	2	SAI	010	+9.19	010	010					4060	520SI	04/03 RFO
		0.31	76	2	TWD 18	010	+9.19	010	010					4060	520SI	04/03 RFO
		0.15	76	2	SAI	010	+8.31	010	010					4060	520SI	04/03 RFO
		0.15	76	2	TWD 18	010	+8.31	010	010					4060	520SI	04/03 RFO
		0.16	97	2	SAI	010	-12.82	010	010					4060	520SI	04/03 RFO
		0.16	97	2	TWD 0	010	-12.82	010	010					4060	520SI	04/03 RFO
		0.11	119	2	SAI	010	-13.78	010	010					4060	520SI	04/03 RFO
		0.11	119	2	TWD 0	010	-13.78	010	010					4060	520SI	04/03 RFO
		0.13	103	2	SAI	010	-15.03	010	010					4060	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
89	93	0.13	103	2	TWD	0	010	-15.03	010	010				4060	520SI	04/03 RFO
		0.14	71	2	SAI		010	+22.07	010	010				4041	520SI	04/03 RFO
		0.14	71	2	TWD	48	010	+22.07	010	010				4041	520SI	04/03 RFO
		0.16	72	2	SAI		010	+11.41	010	010				4041	520SI	04/03 RFO
		0.16	72	2	TWD	46	010	+11.41	010	010				4041	520SI	04/03 RFO
		0.11	73	2	SAI		010	+7.97	010	010				4041	520SI	04/03 RFO
		0.11	73	2	TWD	43	010	+7.97	010	010				4041	520SI	04/03 RFO
		0.06	72	2	SAI		010	-4.84	010	010				4041	520SI	04/03 RFO
		0.12	75	2	SAI		010	-8.51	010	010				4041	520SI	04/03 RFO
		0.12	75	2	TWD	38	010	-8.51	010	010				4041	520SI	04/03 RFO
		0.19	76	2	SAI		010	-10.41	010	010				4041	520SI	04/03 RFO
		0.19	76	2	TWD	35	010	-10.41	010	010				4041	520SI	04/03 RFO
		0.06	72	2	TWD	46	010	-4.84	010	010				4041	520SI	04/03 RFO
89	94	0.09	64	2	SAI		010	-15.42	010	010				4041	520SI	04/03 RFO
		0.09	64	2	TWD	63	010	-15.42	010	010				4041	520SI	04/03 RFO
		0.13	126	2	VOL		LTS	+4.42	LTS	LTS				4041	520SI	04/03 RFO
89	105	0.14	72	2	VOL		001	+5.21	001	001				4044	520SI	04/03 RFO
89	118	3.52	172	1	DNT		LTS	+18.78	LTS	LTS				4044	520SI	04/03 RFO
89	130	0.42	90	P 3	TWD	8	008	+0.62	008	008	WAR			4035	520SI	04/03 RFO
90	15	0.11	106	2	SAI		013	-4.19	013	013				4074	460SI	04/03 RFO
		0.11	106	2	TWD	23	013	-4.19	013	013				4074	460SI	04/03 RFO
		0.13	45	2	SAI		013	-2.21	013	013				4074	460SI	04/03 RFO
		0.13	45	2	TWD	88	013	-2.21	013	013				4074	460SI	04/03 RFO
		0.13	51	2	MAI		013	-8.11	013	013				4074	460SI	04/03 RFO
		0.13	51	2	TWD	81	013	-8.11	013	013				4074	460SI	04/03 RFO
		0.05	31	2	SAI		013	-14.42	013	013				4074	460SI	04/03 RFO
		0.05	31	2	TWD	86	013	-14.42	013	013				4074	460SI	04/03 RFO
		0.14	75	2	SAI		012	-1.95	012	012				4074	460SI	04/03 RFO
		0.14	75	2	TWD	53	012	-1.95	012	012				4074	460SI	04/03 RFO
		0.08	51	2	MAI		012	-3.31	012	012				4074	460SI	04/03 RFO
		0.08	51	2	TWD	81	012	-3.31	012	012				4074	460SI	04/03 RFO
		0.10	45	2	MAI		012	-5.37	012	012				4074	460SI	04/03 RFO
		0.10	45	2	TWD	88	012	-5.37	012	012				4074	460SI	04/03 RFO
		0.18	58	2	MAI		012	-7.61	012	012				4074	460SI	04/03 RFO
		0.18	58	2	TWD	73	012	-7.61	012	012				4074	460SI	04/03 RFO
90	16	0.10	131	2	MAI		012	-7.36	012	012				4074	460SI	04/03 RFO
		0.10	131	2	TWD	1	012	-7.36	012	012				4074	460SI	04/03 RFO
		0.08	121	2	SAI		012	-11.87	012	012				4074	460SI	04/03 RFO
		0.08	121	2	TWD	9	012	-11.87	012	012				4074	460SI	04/03 RFO
		0.04	127	2	SAI		012	-13.97	012	012				4074	460SI	04/03 RFO
		0.04	127	2	TWD	4	012	-13.97	012	012				4074	460SI	04/03 RFO
90	17	0.12	55	2	MAI		013	-5.02	013	013				4074	460SI	04/03 RFO
		0.12	55	2	TWD	76	013	-5.02	013	013				4074	460SI	04/03 RFO
		0.09	48	2	MAI		013	-5.60	013	013				4074	460SI	04/03 RFO
		0.09	48	2	TWD	85	013	-5.60	013	013				4074	460SI	04/03 RFO
		0.11	62	2	SAI		013	-8.38	013	013				4074	460SI	04/03 RFO
		0.11	62	2	TWD	68	013	-8.38	013	013				4074	460SI	04/03 RFO
90	43	0.73	51	P 3	TWD	14	015	+0.75	015	015	WAR			4043	460SI	04/03 RFO
90	57	0.07	55	2	VOL		011	+14.78	011	011				4057	460SI	04/03 RFO
90	85	0.10	72	2	SAI		008	-4.56	008	008				4060	520SI	04/03 RFO
		0.10	72	2	TWD	40	008	-4.56	008	008				4060	520SI	04/03 RFO
90	93	2.88	150	1	DNT		LTS	+0.09	LTS	LTS				4041	520SI	04/03 RFO
90	94	4.18	165	1	DNT		LTS	-0.04	LTS	LTS				4041	520SI	04/03 RFO
90	95	3.43	158	1	DNT		LTS	+0.18	LTS	LTS				4041	520SI	04/03 RFO
90	115	0.47	66	P 4	SVI		014	+1.12	014	014				4044	520SI	04/03 RFO
		0.47	66	P 4	TWD	55	014	+1.12	014	014				4044	520SI	04/03 RFO
91	2	0.92	87	P 3	TWD	15	011	+0.54	011	011	WAR			4024	460SI	04/03 RFO
91	7	0.66	24	P 3	TWD	13	010	+0.58	010	010	WAR			4074	460SI	04/03 RFO
91	30	0.10	82	2	SAI		UTS	-15.91	UTS	UTS				4055	460SI	04/03 RFO
		0.10	82	2	TWD	1	UTS	-15.91	UTS	UTS				4055	460SI	04/03 RFO
		0.09	92	2	SAI		UTS	-19.33	UTS	UTS				4055	460SI	04/03 RFO
		0.09	92	2	TWD	0	UTS	-19.33	UTS	UTS				4055	460SI	04/03 RFO
91	38	1.70	19	2	TEA		UTE	-0.24	UTE	UTE				2103	460HR	04/03 RFO
91	42	0.33	70	2	VOL		015	+0.72	015	015				4043	460SI	04/03 RFO
91	48	0.16	43	2	SAI		UTS	-15.53	UTS	UTS				4055	460SI	04/03 RFO
		0.16	43	2	TWD	95	UTS	-15.53	UTS	UTS				4055	460SI	04/03 RFO
91	60	0.18	80	2	SAI		013	-16.31	013	013				4057	460SI	04/03 RFO
		0.18	80	2	TWD	43	013	-16.31	013	013				4057	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.12	83	2	SAI		013	-13.07	013	013				4057	460SI	04/03 RFO
		0.12	83	2	TWD	38	013	-13.07	013	013				4057	460SI	04/03 RFO
91	65	0.11	64	2	VOL		014	+16.58	014	014				4069	520SI	04/03 RFO
91	81	3.24	173	1	DNT		LTE	+5.74	LTS	LTE				4060	520SI	04/03 RFO
91	84	0.11	70	2	SAI		008	-9.30	008	008				4060	520SI	04/03 RFO
		0.11	70	2	TWD	47	008	-9.30	008	008				4060	520SI	04/03 RFO
		0.12	83	2	SAI		008	-11.57	008	008				4060	520SI	04/03 RFO
		0.12	83	2	TWD	0	008	-11.57	008	008				4060	520SI	04/03 RFO
91	89	0.17	77	2	SAI		010	+13.00	010	010				4060	520SI	04/03 RFO
		0.17	77	2	TWD	11	010	+13.00	010	010				4060	520SI	04/03 RFO
91	91	0.22	84	2	MAI		012	-6.03	012	012				4041	520SI	04/03 RFO
		0.22	84	2	TWD	6	012	-6.03	012	012				4041	520SI	04/03 RFO
		0.12	110	2	SAI		012	-5.25	012	012				4041	520SI	04/03 RFO
		0.12	110	2	TWD	0	012	-5.25	012	012				4041	520SI	04/03 RFO
		0.07	88	2	MAI		012	-7.93	012	012				4041	520SI	04/03 RFO
		0.07	88	2	TWD	0	012	-7.93	012	012				4041	520SI	04/03 RFO
		0.08	50	2	SAI		010	+21.80	010	010				4041	520SI	04/03 RFO
		0.08	50	2	TWD	83	010	+21.80	010	010				4041	520SI	04/03 RFO
		0.25	74	2	SAI		010	+19.58	010	010				4041	520SI	04/03 RFO
		0.25	74	2	TWD	41	010	+19.58	010	010				4041	520SI	04/03 RFO
		0.05	91	2	SAI		010	+4.02	010	010				4041	520SI	04/03 RFO
		0.05	91	2	TWD	0	010	+4.02	010	010				4041	520SI	04/03 RFO
		0.12	98	2	SAI		010	-9.26	010	010				4041	520SI	04/03 RFO
		0.12	98	2	TWD	0	010	-9.26	010	010				4041	520SI	04/03 RFO
		0.10	130	2	SAI		010	-16.23	010	010				4041	520SI	04/03 RFO
		0.10	130	2	TWD	0	010	-16.23	010	010				4041	520SI	04/03 RFO
		0.08	107	2	SAI		010	-18.44	010	010				4041	520SI	04/03 RFO
		0.08	107	2	TWD	0	010	-18.44	010	010				4041	520SI	04/03 RFO
		0.24	55	2	SAI		010	-12.48	010	010				4041	520SI	04/03 RFO
		0.24	55	2	TWD	77	010	-12.48	010	010				4041	520SI	04/03 RFO
		0.15	78	2	SAI		010	+15.48	010	010				4041	520SI	04/03 RFO
		0.15	78	2	TWD	29	010	+15.48	010	010				4041	520SI	04/03 RFO
91	94	0.08	63	2	VOL		UTS	+15.37	UTS	UTS				4041	520SI	04/03 RFO
91	99	0.07	71	2	VOL		014	-15.37	014	014				4044	520SI	04/03 RFO
91	117	2.74	15	2	TEA		UTE	-0.22	UTE	UTE				2025	460HR	04/03 RFO
91	118	0.20	65	2	VOL		014	+1.17	014	014				4044	520SI	04/03 RFO
91	119	0.49	75	2	SVI		015	-0.59	015	015				4044	520SI	04/03 RFO
		0.49	75	2	TWD	49	015	-0.59	015	015				4044	520SI	04/03 RFO
91	120	0.66	41	P 3	TWD	12	008	-0.63	008	008	WAR			4044	520SI	04/03 RFO
91	123	0.21	138	2	VOL		010	+0.20	010	010				4044	520SI	04/03 RFO
91	125	0.46	88	2	VOL		014	+2.70	014	014				4044	520SI	04/03 RFO
		0.51	55	P 3	TWD	7	009	+0.63	009	009	WAR			4044	520SI	04/03 RFO
92	9	0.99	19	2	TEA		UTE	-0.05	UTE	UTE				2120	460HR	04/03 RFO
92	21	0.05	73	2	VOL		UTS	-9.59	UTS	UTS				4074	460SI	04/03 RFO
92	55	0.05	108	2	VOL		012	+1.90	012	012				4057	460SI	04/03 RFO
92	109	0.21	46	2	VOL		013	-6.13	013	013				4044	520SI	04/03 RFO
92	112	0.05	108	P 1	VOL		009	-6.80	009	009				4044	520SI	04/03 RFO
92	115	0.11	62	2	VOL		015	-3.77	015	015				4044	520SI	04/03 RFO
92	117	0.12	50	2	VOL		011	+7.43	011	011				4044	520SI	04/03 RFO
93	11	0.15	76	2	VOL		002	-10.35	002	002				4074	460SI	04/03 RFO
93	12	0.21	81	2	VOL		003	+8.71	003	003				4074	460SI	04/03 RFO
93	35	0.09	39	2	VOL		012	-9.53	012	012				4055	460SI	04/03 RFO
93	38	1.93	22	2	TEA		UTE	-0.17	UTE	UTE				2099	460HR	04/03 RFO
93	123	0.50	57	P 3	TWD	7	011	-0.72	011	011	WAR			4044	520SI	04/03 RFO
		0.49	72	P 1	VOL		009	+1.12	009	009				4044	520SI	04/03 RFO
		0.61	70	P 1	VOL		009	+0.55	009	009				4044	520SI	04/03 RFO
94	2	0.77	108	P 3	TWD	13	011	+0.75	011	011	WAR			4024	460SI	04/03 RFO
		0.67	38	P 3	TWD	11	012	-0.70	012	012	WAR			4024	460SI	04/03 RFO
94	7	0.37	25	2	SAI		UTE	-1.26	UTE	UTE	TR			2121	460HR	04/03 RFO
		0.37	25	2	TWD	71	UTE	-1.26	UTE	UTE				2121	460HR	04/03 RFO
94	55	0.20	136	2	VOL		UTE	-2.45	UTE	UTE	CS			2124	460HR	04/03 RFO
94	63	1.40	21	2	TEA		UTE	-0.21	UTE	UTE				2123	460HR	04/03 RFO
94	69	0.91	20	2	TEA		UTE	-0.19	UTE	UTE				2061	460HR	04/03 RFO
94	77	1.26	19	2	TEA		UTE	-0.17	UTE	UTE				2061	460HR	04/03 RFO
94	78	0.87	18	2	TEA		UTE	-0.13	UTE	UTE				2060	460HR	04/03 RFO
94	95	5.29	165	1	DNT		LTS	-11.49	LTS	LTS				4041	520SI	04/03 RFO
		6.71	164	1	DNT		LTS	-11.11	LTS	LTS				4041	520SI	04/03 RFO
		3.47	167	1	DNT		LTS	-12.13	LTS	LTS				4041	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
94	122	0.09	73	2	VOL		014	+1.33	014	014				4044	520SI	04/03 RFO
94	124	0.18	61	2	VOL		008	+18.69	008	008				4044	520SI	04/03 RFO
		0.09	56	2	VOL		001	+10.50	001	001				4044	520SI	04/03 RFO
95	64	1.93	19	2	TEA		UTE	-0.13	UTE	UTE				2060	460HR	04/03 RFO
95	69	0.14	92	2	VOL		015	-10.59	015	015				4069	520SI	04/03 RFO
95	77	1.16	21	2	TEA		UTE	-0.11	UTE	UTE				2060	460HR	04/03 RFO
95	78	0.08	49	2	VOL		015	+23.29	015	015				4066	520SI	04/03 RFO
95	112	0.22	68	2	VOL		012	-5.69	012	012				4041	520SI	04/03 RFO
		0.78	0	P 3	TWD	15	012	-0.56	012	012	WAR			4041	520SI	04/03 RFO
95	114	0.14	71	2	VOL		014	-13.26	014	014				4041	520SI	04/03 RFO
95	117	0.14	67	2	VOL		014	+10.44	014	014				4041	520SI	04/03 RFO
95	125	0.10	68	2	VOL		013	-11.76	013	013				4044	520SI	04/03 RFO
96	4	0.45	82	2	VOL		004	-0.72	004	004				4074	460SI	04/03 RFO
96	25	0.20	78	2	VOL		014	+4.26	014	014				4074	460SI	04/03 RFO
96	54	0.12	85	2	VOL		UTS	+21.73	UTE	UTS				4002	460SI	04/03 RFO
96	60	1.07	12	2	TEA		UTE	-0.17	UTE	UTE				2123	460HR	04/03 RFO
		0.14	61	2	SAI		015	+20.91	015	015				4102	460SI	04/03 RFO
		0.14	61	2	TWD	75	015	+20.91	015	015				4102	460SI	04/03 RFO
		0.16	58	2	SAI		015	+25.52	015	015				4102	460SI	04/03 RFO
		0.16	58	2	TWD	79	015	+25.52	015	015				4102	460SI	04/03 RFO
		0.13	58	2	SAI		015	+29.24	015	015				4102	460SI	04/03 RFO
		0.13	58	2	TWD	79	015	+29.24	015	015				4102	460SI	04/03 RFO
		0.15	59	2	MAI		015	+42.08	015	015				4102	460SI	04/03 RFO
		0.15	59	2	TWD	77	015	+42.08	015	015				4102	460SI	04/03 RFO
		0.17	56	2	SAI		014	+5.48	014	014				4102	460SI	04/03 RFO
		0.17	56	2	TWD	81	014	+5.48	014	014				4102	460SI	04/03 RFO
		0.18	70	2	SAI		014	+8.95	014	014				4102	460SI	04/03 RFO
		0.18	70	2	TWD	60	014	+8.95	014	014				4102	460SI	04/03 RFO
		0.17	70	2	SAI		011	-2.52	011	011				4057	460SI	04/03 RFO
		0.17	70	2	TWD	58	011	-2.52	011	011				4057	460SI	04/03 RFO
		0.13	65	2	SAI		010	+17.22	010	010				4057	460SI	04/03 RFO
		0.13	65	2	TWD	65	010	+17.22	010	010				4057	460SI	04/03 RFO
		0.10	120	2	SAI		009	-2.21	009	009				4057	460SI	04/03 RFO
		0.11	90	2	MAI		009	-1.99	009	009				4057	460SI	04/03 RFO
		0.11	90	2	TWD	26	009	-1.99	009	009				4057	460SI	04/03 RFO
		0.13	76	2	MAI		009	-9.87	009	009				4057	460SI	04/03 RFO
		0.13	76	2	TWD	49	009	-9.87	009	009				4057	460SI	04/03 RFO
		0.07	91	2	MAI		009	-13.37	009	009				4057	460SI	04/03 RFO
		0.12	75	2	TWD	51	009	-13.37	009	009				4057	460SI	04/03 RFO
		0.13	79	2	MAI		009	-24.49	009	009				4057	460SI	04/03 RFO
		0.13	79	2	TWD	45	009	-24.49	009	009				4057	460SI	04/03 RFO
		0.13	67	2	SAI		009	-27.93	009	009				4057	460SI	04/03 RFO
		0.13	67	2	TWD	62	009	-27.93	009	009				4057	460SI	04/03 RFO
		0.10	120	2	TWD	0	009	-2.21	009	009				4057	460SI	04/03 RFO
96	63	0.08	71	2	VOL		014	+10.10	014	014				4069	520SI	04/03 RFO
96	72	0.49	40	2	MAI		UTE	-1.22	UTE	UTE	TR			2060	460HR	04/03 RFO
		0.49	40	2	TWD	97	UTE	-1.22	UTE	UTE				2060	460HR	04/03 RFO
96	87	0.18	87	2	SAI		011	+2.77	011	011				4066	520SI	04/03 RFO
		0.18	87	2	TWD	10	011	+2.77	011	011				4066	520SI	04/03 RFO
		0.36	79	2	SAI		011	+4.19	011	011				4066	520SI	04/03 RFO
		0.36	79	2	TWD	33	011	+4.19	011	011				4066	520SI	04/03 RFO
		0.59	79	2	MAI		011	+5.12	011	011				4066	520SI	04/03 RFO
		0.59	79	2	TWD	33	011	+5.12	011	011				4066	520SI	04/03 RFO
		0.54	79	2	MAI		011	+6.28	011	011				4066	520SI	04/03 RFO
		0.54	79	2	TWD	33	011	+6.28	011	011				4066	520SI	04/03 RFO
		0.33	83	2	MAI		011	+8.42	011	011				4066	520SI	04/03 RFO
		0.33	83	2	TWD	22	011	+8.42	011	011				4066	520SI	04/03 RFO
		0.35	84	2	MAI		011	+17.56	011	011				4066	520SI	04/03 RFO
		0.35	84	2	TWD	19	011	+17.56	011	011				4066	520SI	04/03 RFO
		0.20	89	2	SAI		011	+24.30	011	011				4066	520SI	04/03 RFO
		0.20	89	2	TWD	3	011	+24.30	011	011				4066	520SI	04/03 RFO
		0.30	87	2	SAI		010	+13.29	010	010				4066	520SI	04/03 RFO
		0.30	87	2	TWD	10	010	+13.29	010	010				4066	520SI	04/03 RFO
		0.26	86	2	SAI		009	-1.07	009	009				4066	520SI	04/03 RFO
		0.26	86	2	TWD	13	009	-1.07	009	009				4066	520SI	04/03 RFO
		0.32	75	2	SAI		009	-9.03	009	009				4066	520SI	04/03 RFO
		0.32	75	2	TWD	42	009	-9.03	009	009				4066	520SI	04/03 RFO
		0.35	72	2	SAI		009	-12.04	009	009				4066	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.35	72	2	TWD	49	009	-12.04	009	009				4066	520SI	04/03 RFO
		0.34	73	2	SAI		009	-15.71	009	009				4066	520SI	04/03 RFO
		0.34	73	2	TWD	47	009	-15.71	009	009				4066	520SI	04/03 RFO
96	95	0.21	77	2	SAI		011	+8.18	011	011				4041	520SI	04/03 RFO
		0.21	77	2	TWD	32	011	+8.18	011	011				4041	520SI	04/03 RFO
96	105	0.22	70	2	SAI		010	-13.27	010	010				4041	520SI	04/03 RFO
		0.22	70	2	TWD	51	010	-13.27	010	010				4041	520SI	04/03 RFO
96	106	0.09	62	2	VOL		014	-12.52	014	014				4041	520SI	04/03 RFO
96	115	0.12	70	2	SAI		012	-5.68	012	012				4041	520SI	04/03 RFO
		0.12	70	2	TWD	51	012	-5.68	012	012				4041	520SI	04/03 RFO
		0.29	75	2	SAI		012	-19.43	012	012				4041	520SI	04/03 RFO
		0.29	75	2	TWD	38	012	-19.43	012	012				4041	520SI	04/03 RFO
		0.10	78	2	SAI		012	-22.46	012	012				4041	520SI	04/03 RFO
		0.10	78	2	TWD	29	012	-22.46	012	012				4041	520SI	04/03 RFO
		0.12	65	2	VOL		006	-9.65	006	006				4041	520SI	04/03 RFO
97	2	0.38	56	2	VOL		006	+0.93	006	006				4074	460SI	04/03 RFO
97	14	0.14	114	2	VOL		014	-17.48	014	014				4074	460SI	04/03 RFO
97	31	0.07	56	2	VOL		014	+10.29	014	014				4055	460SI	04/03 RFO
97	33	0.07	77	2	VOL		013	+4.73	013	013				4055	460SI	04/03 RFO
97	38	0.11	63	2	VOL		LTS	+20.25	LTS	LTS				4055	460SI	04/03 RFO
97	78	2.05	24	2	TEA		UTE	-0.23	UTE	UTE				2033	460HR	04/03 RFO
97	87	0.83	1	2	SVI		009	-18.78	009	009				4066	520SI	04/03 RFO
		0.83	1	2	TWD	3	009	-18.78	009	009				4066	520SI	04/03 RFO
97	88	7.73	7	P 3	DNT		LTS	-6.80	LTS	LTS				4066	520SI	04/03 RFO
97	126	0.15	68	2	VOL		014	+2.43	014	014				4035	520SI	04/03 RFO
98	3	0.45	69	P 3	TWD	9	010	+0.68	010	010	WAR			4074	460SI	04/03 RFO
98	52	1.43	13	2	TEA		UTE	-0.24	UTE	UTE				2124	460HR	04/03 RFO
98	60	0.14	95	2	SAI		013	-7.49	013	013				4057	460SI	04/03 RFO
		0.14	95	2	TWD	17	013	-7.49	013	013				4057	460SI	04/03 RFO
		0.22	94	2	SAI		012	-7.95	012	012				4057	460SI	04/03 RFO
		0.22	94	2	TWD	19	012	-7.95	012	012				4057	460SI	04/03 RFO
98	78	0.13	68	2	SAI		015	-1.22	015	015				4073	520SI	04/03 RFO
		0.13	68	2	TWD	61	015	-1.22	015	015				4073	520SI	04/03 RFO
		0.12	78	2	SAI		015	-2.70	015	015				4073	520SI	04/03 RFO
		0.12	78	2	TWD	40	015	-2.70	015	015				4073	520SI	04/03 RFO
		0.75	17	2	TWD	33	UTE	-1.43	UTE	UTE				2033	460HR	04/03 RFO
		0.75	17	2	SAI		UTE	-1.43	UTE	UTE	TR			2033	460HR	04/03 RFO
98	91	0.18	63	2	VOL		014	-10.96	014	014				4041	520SI	04/03 RFO
98	121	0.29	0	P 3	TWD	6	014	+0.60	014	014	WAR			4041	520SI	04/03 RFO
98	122	0.56	51	2	VOL		014	+1.02	014	014				4041	520SI	04/03 RFO
98	123	1.92	21	2	TEA		UTE	-0.16	UTE	UTE				2017	460HR	04/03 RFO
99	3	0.66	54	P 3	TWD	13	010	+0.61	010	010	WAR			4074	460SI	04/03 RFO
99	11	0.19	85	2	VOL		001	-5.50	001	001				4074	460SI	04/03 RFO
99	12	2.29	22	2	TEA		UTE	-0.18	UTE	UTE				2117	460HR	04/03 RFO
99	14	0.24	75	2	VOL		014	+0.81	014	014				4074	460SI	04/03 RFO
99	33	0.19	21	2	SAI		UTE	-1.17	UTE	UTE	TR			2099	460HR	04/03 RFO
		0.19	21	2	TWD	60	UTE	-1.17	UTE	UTE				2099	460HR	04/03 RFO
99	53	0.38	48	2	VOL		014	-0.22	014	014				4023	460SI	04/03 RFO
99	56	0.15	62	2	VOL		011	-3.84	011	011				4011	460SI	04/03 RFO
99	79	0.09	74	2	SAI		015	+12.66	015	015				4073	520SI	04/03 RFO
		0.09	74	2	TWD	49	015	+12.66	015	015				4073	520SI	04/03 RFO
99	93	0.15	71	2	SAI		013	+12.77	013	013				4109	460SI	04/03 RFO
		0.15	71	2	TWD	47	013	+12.77	013	013				4109	460SI	04/03 RFO
99	97	0.19	74	2	VOL		001	-12.80	001	001				4041	520SI	04/03 RFO
100	7	0.15	56	2	VOL		010	+4.68	010	010				4078	520SI	04/03 RFO
100	11	0.37	61	2	SVI		013	+0.80	013	013				4078	520SI	04/03 RFO
		0.37	61	P 4	TWD	60	013	+0.80	013	013				4078	520SI	04/03 RFO
100	34	2.08	30	2	TEA		UTE	-0.18	UTE	UTE				2099	460HR	04/03 RFO
100	50	0.12	87	2	VOL		003	-5.36	003	003				4023	460SI	04/03 RFO
100	60	0.13	73	2	SAI		UTS	-6.31	UTS	UTS				4011	460SI	04/03 RFO
		0.13	73	2	TWD	27	UTS	-6.31	UTS	UTS				4011	460SI	04/03 RFO
		0.15	75	2	SAI		UTS	-19.14	UTS	UTS				4011	460SI	04/03 RFO
		0.15	75	2	TWD	18	UTS	-19.14	UTS	UTS				4011	460SI	04/03 RFO
		0.21	70	2	SAI		UTS	-13.67	UTS	UTS				4011	460SI	04/03 RFO
		0.21	70	2	TWD	38	UTS	-13.67	UTS	UTS				4011	460SI	04/03 RFO
		0.20	70	2	SAI		010	-10.40	010	010				4011	460SI	04/03 RFO
		0.20	70	2	TWD	38	010	-10.40	010	010				4011	460SI	04/03 RFO
		0.20	70	2	SAI		UTS	-17.31	UTS	UTS				4011	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.20	70	2	TWD	38	UTS	-17.31	UTS	UTS				4011	460SI	04/03 RFO
		0.20	71	2	SAI		UTS	-17.10	UTS	UTS				4011	460SI	04/03 RFO
		0.20	71	2	TWD	34	UTS	-17.10	UTS	UTS				4011	460SI	04/03 RFO
100	65	0.16	62	2	VOL		008	-7.80	008	008				4073	520SI	04/03 RFO
100	83	0.23	85	2	SAI		009	+8.54	009	009				4079	520SI	04/03 RFO
		0.23	85	2	TWD	34	009	+8.54	009	009				4079	520SI	04/03 RFO
100	121	0.10	81	2	VOL		013	+12.14	013	013				4041	520SI	04/03 RFO
101	6	0.28	56	2	VOL		009	-16.69	009	009				4078	520SI	04/03 RFO
101	16	0.10	63	2	VOL		010	-19.67	010	010				4078	520SI	04/03 RFO
101	61	0.14	69	2	SAI		013	-4.66	013	013				4011	460SI	04/03 RFO
		0.14	69	2	TWD	85	013	-4.66	013	013				4011	460SI	04/03 RFO
101	93	0.89	77	2	SAI		010	+10.66	010	010				4035	520SI	04/03 RFO
		0.89	77	2	TWD	47	010	+10.66	010	010				4035	520SI	04/03 RFO
101	112	0.98	72	2	SAI		012	-2.42	012	012				4035	520SI	04/03 RFO
		0.98	72	2	TWD	59	012	-2.42	012	012				4035	520SI	04/03 RFO
		0.70	75	2	SAI		011	+9.08	011	011				4035	520SI	04/03 RFO
		0.70	75	2	TWD	52	011	+9.08	011	011				4035	520SI	04/03 RFO
		0.84	74	2	SAI		011	+8.38	011	011				4035	520SI	04/03 RFO
		0.84	74	2	TWD	55	011	+8.38	011	011				4035	520SI	04/03 RFO
		1.17	78	2	SAI		011	+6.97	011	011				4035	520SI	04/03 RFO
		1.17	78	2	TWD	45	011	+6.97	011	011				4035	520SI	04/03 RFO
		2.13	76	2	SAI		011	+2.44	011	011				4035	520SI	04/03 RFO
		2.13	76	2	TWD	50	011	+2.44	011	011				4035	520SI	04/03 RFO
		0.21	76	2	SAI		011	+2.45	011	011				4109	460SI	04/03 RFO
		0.21	76	2	TWD	35	011	+2.45	011	011				4109	460SI	04/03 RFO
102	28	1.89	28	2	TEA		UTE	-0.22	UTE	UTE				2099	460HR	04/03 RFO
102	61	0.10	68	2	SAI		UTS	-16.59	UTS	UTS				4073	520SI	04/03 RFO
		0.10	68	2	TWD	61	UTS	-16.59	UTS	UTS				4073	520SI	04/03 RFO
102	81	0.13	89	2	SAI		008	+16.25	008	008				4084	520SI	04/03 RFO
		0.13	89	2	TWD	17	008	+16.25	008	008				4084	520SI	04/03 RFO
		0.16	61	2	SAI		010	+13.35	010	010				4084	520SI	04/03 RFO
		0.16	61	2	TWD	64	010	+13.35	010	010				4084	520SI	04/03 RFO
		0.14	65	2	SAI		010	+14.47	010	010				4084	520SI	04/03 RFO
		0.14	65	2	TWD	58	010	+14.47	010	010				4084	520SI	04/03 RFO
102	82	1.43	17	2	TEA		UTE	-0.20	UTE	UTE				2033	460HR	04/03 RFO
102	93	0.81	91	2	SAI		010	+12.95	010	010				4035	520SI	04/03 RFO
		0.81	91	2	TWD	0	010	+12.95	010	010				4035	520SI	04/03 RFO
		0.81	80	2	SAI		010	+14.41	010	010				4035	520SI	04/03 RFO
		0.81	80	2	TWD	38	010	+14.41	010	010				4035	520SI	04/03 RFO
		0.49	86	2	SAI		010	+15.48	010	010				4035	520SI	04/03 RFO
		0.49	86	2	TWD	13	010	+15.48	010	010				4035	520SI	04/03 RFO
102	105	0.16	68	2	VOL		005	-11.81	005	005				4035	520SI	04/03 RFO
102	109	0.27	62	2	VOL		012	+4.54	012	012				4035	520SI	04/03 RFO
		0.17	71	2	VOL		LTS	+19.66	LTS	LTS				4035	520SI	04/03 RFO
102	113	0.23	61	2	VOL		012	-8.17	012	012				4035	520SI	04/03 RFO
102	122	0.41	49	2	VOL		010	-0.71	010	010				4035	520SI	04/03 RFO
102	123	1.42	21	2	TEA		UTE	-0.21	UTE	UTE				2017	460HR	04/03 RFO
103	3	0.79	87	P 3	TWD	16	010	+0.80	010	010	WAR			4078	520SI	04/03 RFO
103	47	0.61	84	P 3	TWD	10	007	+0.70	007	007	WAR			4058	460SI	04/03 RFO
103	51	0.14	15	2	VOL		009	-15.25	009	009				4011	460SI	04/03 RFO
		0.16	14	2	VOL		009	-3.67	009	009				4011	460SI	04/03 RFO
103	53	0.16	56	2	VOL		LTS	+10.28	LTS	LTS				4011	460SI	04/03 RFO
		1.75	167	1	DNT		LTS	+0.14	LTS	LTS				4011	460SI	04/03 RFO
103	72	0.13	68	2	VOL		004	+9.77	004	004				4073	520SI	04/03 RFO
103	103	0.58	75	2	SAI		010	-2.31	010	010				4035	520SI	04/03 RFO
		0.58	75	2	TWD	52	010	-2.31	010	010				4035	520SI	04/03 RFO
		0.76	67	2	SAI		010	-3.49	010	010				4035	520SI	04/03 RFO
		0.76	67	2	TWD	68	010	-3.49	010	010				4035	520SI	04/03 RFO
		0.80	73	2	SAI		010	-5.67	010	010				4035	520SI	04/03 RFO
		0.80	73	2	TWD	57	010	-5.67	010	010				4035	520SI	04/03 RFO
		0.66	72	2	SAI		010	-7.83	010	010				4035	520SI	04/03 RFO
		0.66	72	2	TWD	59	010	-7.83	010	010				4035	520SI	04/03 RFO
		0.73	82	2	SAI		010	-11.28	010	010				4035	520SI	04/03 RFO
		0.73	82	2	TWD	31	010	-11.28	010	010				4035	520SI	04/03 RFO
103	104	0.31	47	2	VOL		003	-4.99	003	003				4035	520SI	04/03 RFO
103	111	0.95	43	P 3	TWD	13	013	+0.78	013	013	WAR			4109	460SI	04/03 RFO
103	115	0.12	60	2	VOL		UTS	-4.51	UTS	UTS				4035	520SI	04/03 RFO
104	11	2.51	207	2	TEA		UTE	-0.15	UTE	UTE				2117	460HR	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
104	27	1.05	10	2	TEA		UTE	-0.14	UTE	UTE				2122	460HR	04/03 RFO
104	30	2.29	23	2	TEA		UTE	-0.19	UTE	UTE				2099	460HR	04/03 RFO
104	34	0.67	20	2	TEA		UTE	-0.20	UTE	UTE				2099	460HR	04/03 RFO
104	36	0.79	22	2	TEA		UTE	-0.20	UTE	UTE				2099	460HR	04/03 RFO
104	50	1.93	182	1	DNT		LTS	+0.18	LTS	LTS				4011	460SI	04/03 RFO
104	56	1.28	41	2	TEA		UTE	-0.11	UTE	UTE				2084	460HR	04/03 RFO
104	77	0.14	90	2	SAI		010	+5.85	010	010				4073	520SI	04/03 RFO
		0.14	90	2	TWD	3	010	+5.85	010	010				4073	520SI	04/03 RFO
		0.18	88	2	SAI		009	-5.40	009	009				4073	520SI	04/03 RFO
		0.18	88	2	TWD	10	009	-5.40	009	009				4073	520SI	04/03 RFO
104	79	1.98	0	1	DNT		LTS	+0.25	LTS	LTS				4082	520SI	04/03 RFO
104	82	2.88	23	2	TEA		UTE	-0.17	UTE	UTE				2033	460HR	04/03 RFO
104	102	0.34	68	2	VOL		013	-16.20	013	013				4035	520SI	04/03 RFO
104	112	0.21	0	P	3	TWD	3	015	+0.44	015	015	WAR		4026	460SI	04/03 RFO
104	120	0.72	86	P	3	TWD	13	009	-0.73	009	009	WAR		4035	520SI	04/03 RFO
104	122	0.70	108	P	3	TWD	13	010	-0.56	010	010	WAR		4035	520SI	04/03 RFO
104	123	0.15	158	2	VOL		015	+17.27	015	015				4035	520SI	04/03 RFO
105	1	0.45	157	2	SAI		015	+17.66	015	015				4078	520SI	04/03 RFO
		0.45	157	2	TWD	0	015	+17.66	015	015				4078	520SI	04/03 RFO
105	6	1.25	12	2	TEA		UTE	-0.15	UTE	UTE				2117	460HR	04/03 RFO
105	17	1.42	24	2	TEA		UTE	-0.24	UTE	UTE				2118	460HR	04/03 RFO
105	35	0.04	65	2	VOL		009	+5.90	009	009				4051	460SI	04/03 RFO
105	54	0.21	68	2	SAI		UTS	-8.09	UTS	UTS				4011	460SI	04/03 RFO
		0.21	68	2	TWD	44	UTS	-8.09	UTS	UTS				4011	460SI	04/03 RFO
		0.26	63	2	SAI		UTS	-9.61	UTS	UTS				4011	460SI	04/03 RFO
		0.26	63	2	TWD	58	UTS	-9.61	UTS	UTS				4011	460SI	04/03 RFO
		0.15	60	2	SAI		UTS	-10.49	UTS	UTS				4011	460SI	04/03 RFO
		0.15	60	2	TWD	64	UTS	-10.49	UTS	UTS				4011	460SI	04/03 RFO
105	55	1.00	10	2	TEA		UTE	-0.18	UTE	UTE				2084	460HR	04/03 RFO
		1.62	172	1	DNT		LTS	+0.13	LTS	LTS				4011	460SI	04/03 RFO
105	78	1.62	187	1	DNT		LTS	+0.01	LTS	LTS				4073	520SI	04/03 RFO
105	79	2.79	180	1	DNT		LTE	+2.47	LTE	LTE				4110	520SI	04/03 RFO
		2.50	176	1	DNT		LTS	+0.15	LTE	LTS				4110	520SI	04/03 RFO
105	103	0.18	50	2	VOL		UTS	-9.45	UTS	UTS				4035	520SI	04/03 RFO
105	108	0.11	76	2	SAI		010	+31.99	010	010				4026	460SI	04/03 RFO
		0.11	76	2	TWD	38	010	+31.99	010	010				4026	460SI	04/03 RFO
		0.07	60	2	SAI		010	+27.72	010	010				4026	460SI	04/03 RFO
		0.07	60	2	TWD	71	010	+27.72	010	010				4026	460SI	04/03 RFO
		0.09	66	2	SAI		010	+25.42	010	010				4026	460SI	04/03 RFO
		0.09	66	2	TWD	61	010	+25.42	010	010				4026	460SI	04/03 RFO
		0.10	63	2	SAI		010	+19.15	010	010				4026	460SI	04/03 RFO
		0.10	63	2	TWD	66	010	+19.15	010	010				4026	460SI	04/03 RFO
		0.14	69	2	SAI		010	+15.82	010	010				4026	460SI	04/03 RFO
		0.14	69	2	TWD	55	010	+15.82	010	010				4026	460SI	04/03 RFO
		0.14	69	2	SAI		010	+12.49	010	010				4026	460SI	04/03 RFO
		0.14	69	2	TWD	55	010	+12.49	010	010				4026	460SI	04/03 RFO
		0.13	57	2	SAI		010	+11.53	010	010				4026	460SI	04/03 RFO
		0.13	57	2	TWD	75	010	+11.53	010	010				4026	460SI	04/03 RFO
		0.10	62	2	SAI		010	+9.20	010	010				4026	460SI	04/03 RFO
		0.10	62	2	TWD	68	010	+9.20	010	010				4026	460SI	04/03 RFO
		5.72	177	1	DNT		LTS	-18.22	LTS	LTS				4026	460SI	04/03 RFO
106	12	1.10	16	2	TEA		UTE	-0.25	UTE	UTE				2118	460HR	04/03 RFO
106	51	3.45	177	1	DNT		LTS	+0.15	LTS	LTS				4011	460SI	04/03 RFO
106	53	2.90	153	1	DNT		LTS	+0.09	LTS	LTS				4011	460SI	04/03 RFO
106	72	1.32	169	1	DNT		LTS	+0.34	LTS	LTS				4073	520SI	04/03 RFO
106	73	0.08	96	2	SAI		010	-10.32	010	010				4073	520SI	04/03 RFO
		0.08	96	2	TWD	0	010	-10.32	010	010				4073	520SI	04/03 RFO
		2.49	172	1	DNT		LTS	+0.10	LTS	LTS				4073	520SI	04/03 RFO
106	74	1.31	172	1	DNT		LTS	+0.00	LTS	LTS				4073	520SI	04/03 RFO
106	75	1.23	182	1	DNT		LTS	-0.08	LTS	LTS				4073	520SI	04/03 RFO
106	88	1.08	25	2	TEA		UTE	-0.21	UTE	UTE				2013	460HR	04/03 RFO
106	105	0.13	72	2	SAI		011	+14.71	011	011				4026	460SI	04/03 RFO
		0.13	72	2	TWD	48	011	+14.71	011	011				4026	460SI	04/03 RFO
		0.12	85	2	SAI		011	+12.17	011	011				4026	460SI	04/03 RFO
		0.12	85	2	TWD	6	011	+12.17	011	011				4026	460SI	04/03 RFO
		0.10	69	2	SAI		011	+9.03	011	011				4026	460SI	04/03 RFO
		0.10	69	2	TWD	55	011	+9.03	011	011				4026	460SI	04/03 RFO
		0.10	77	2	SAI		011	-6.06	011	011				4026	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
106	109	0.10	77	2	TWD	35	011	-6.06	011	011				4026	460SI	04/03 RFO
		1.49	64	P 4	SVI		010	+0.92	010	010				4109	460SI	04/03 RFO
		1.49	64	P 4	TWD	47	010	+0.92	010	010				4109	460SI	04/03 RFO
107	46	0.14	68	2	VOL		013	+3.71	013	013				4051	460SI	04/03 RFO
107	48	0.27	66	2	VOL		007	+4.04	007	007				4014	460SI	04/03 RFO
107	60	0.19	81	2	SAI		UTS	-14.71	UTS	UTS				4077	520SI	04/03 RFO
		0.19	81	2	TWD	27	UTS	-14.71	UTS	UTS				4077	520SI	04/03 RFO
		0.11	84	2	SAI		UTS	-15.80	UTS	UTS				4077	520SI	04/03 RFO
		0.11	84	2	TWD	17	UTS	-15.80	UTS	UTS				4077	520SI	04/03 RFO
107	62	0.09	81	2	SAI		010	-6.46	010	010				4077	520SI	04/03 RFO
		0.09	81	2	TWD	27	010	-6.46	010	010				4077	520SI	04/03 RFO
107	70	1.50	159	1	DNT		LTS	+0.24	LTS	LTS				4073	520SI	04/03 RFO
107	71	2.18	149	1	DNT		LTS	+0.11	LTS	LTS				4073	520SI	04/03 RFO
107	74	2.34	160	1	DNT		LTS	+0.04	LTS	LTS				4073	520SI	04/03 RFO
107	78	2.80	188	1	DNT		LTS	-19.94	LTS	LTS				4110	520SI	04/03 RFO
107	107	0.09	63	2	SAI		012	-14.95	012	012				4026	460SI	04/03 RFO
		0.09	63	2	TWD	66	012	-14.95	012	012				4026	460SI	04/03 RFO
107	113	0.13	80	2	SAI		013	+6.73	013	013				4093	460SI	04/03 RFO
		0.13	80	2	TWD	0	013	+6.73	013	013				4093	460SI	04/03 RFO
		0.17	86	2	SAI		013	+3.46	013	013				4093	460SI	04/03 RFO
		0.17	86	2	TWD	0	013	+3.46	013	013				4093	460SI	04/03 RFO
		0.12	52	2	SAI		013	-1.79	013	013				4093	460SI	04/03 RFO
		0.12	52	2	TWD	88	013	-1.79	013	013				4093	460SI	04/03 RFO
		0.14	67	2	TWD	63	013	-17.93	013	013				4093	460SI	04/03 RFO
		0.14	67	2	SAI		013	-17.93	013	013				4093	460SI	04/03 RFO
		0.10	62	2	SAI		013	-24.49	013	013				4093	460SI	04/03 RFO
		0.10	62	2	TWD	75	013	-24.49	013	013				4093	460SI	04/03 RFO
		0.05	85	2	SAI		011	+33.39	012	011				4093	460SI	04/03 RFO
		0.05	85	2	TWD	0	011	+33.39	012	011				4093	460SI	04/03 RFO
		0.18	76	2	SAI		011	+32.04	012	011				4093	460SI	04/03 RFO
		0.18	76	2	TWD	14	011	+32.04	012	011				4093	460SI	04/03 RFO
		0.12	63	2	SAI		011	+26.89	012	011				4093	460SI	04/03 RFO
		0.12	63	2	TWD	73	011	+26.89	012	011				4093	460SI	04/03 RFO
		0.11	51	2	SAI		011	+20.21	012	011				4093	460SI	04/03 RFO
		0.11	51	2	TWD	89	011	+20.21	012	011				4093	460SI	04/03 RFO
		0.10	67	2	SAI		011	+5.45	012	011				4093	460SI	04/03 RFO
		0.10	67	2	TWD	63	011	+5.45	012	011				4093	460SI	04/03 RFO
		0.21	64	2	SAI		011	-2.26	012	011				4093	460SI	04/03 RFO
		0.21	64	2	TWD	71	011	-2.26	012	011				4093	460SI	04/03 RFO
		0.11	51	2	SAI		011	-2.28	011	011				4093	460SI	04/03 RFO
		0.11	51	2	TWD	89	011	-2.28	011	011				4093	460SI	04/03 RFO
		0.07	143	2	SAI		010	+17.22	010	010				4093	460SI	04/03 RFO
		0.10	69	2	SAI		010	+14.09	010	010				4093	460SI	04/03 RFO
		0.10	69	2	TWD	57	010	+14.09	010	010				4093	460SI	04/03 RFO
		0.12	59	2	SAI		010	+6.34	010	010				4093	460SI	04/03 RFO
		0.12	59	2	TWD	80	010	+6.34	010	010				4093	460SI	04/03 RFO
		0.07	143	2	TWD	0	010	+17.22	010	010				4093	460SI	04/03 RFO
		0.10	73	2	SAI		010	-9.59	010	010				4093	460SI	04/03 RFO
		0.10	73	2	TWD	38	010	-9.59	010	010				4093	460SI	04/03 RFO
		0.25	64	2	SAI		009	+2.48	009	009				4093	460SI	04/03 RFO
		0.25	64	2	TWD	71	009	+2.48	009	009				4093	460SI	04/03 RFO
		0.13	28	2	SAI		009	+3.03	009	009				4093	460SI	04/03 RFO
		0.13	28	2	TWD	96	009	+3.03	009	009				4093	460SI	04/03 RFO
107	118	5.37	169	1	DNT		LTE	+5.95	LTS	LTE				4035	520SI	04/03 RFO
		4.46	179	1	DNT		LTE	+4.60	LTS	LTE				4035	520SI	04/03 RFO
		6.13	174	1	DNT		LTE	+3.50	LTS	LTE				4035	520SI	04/03 RFO
108	8	0.06	69	2	SAI		010	+8.35	010	010				4083	520SI	04/03 RFO
		0.06	69	2	TWD	55	010	+8.35	010	010				4083	520SI	04/03 RFO
		0.10	79	2	SAI		010	+4.91	010	010				4083	520SI	04/03 RFO
		0.10	79	2	TWD	36	010	+4.91	010	010				4083	520SI	04/03 RFO
		2.86	24	2	TEA		UTE	-0.21	UTE	UTE				2117	460HR	04/03 RFO
108	11	0.67	7	2	VOL		015	+9.79	015	015				4083	520SI	04/03 RFO
108	41	0.29	67	2	VOL		012	+8.74	012	012				4051	460SI	04/03 RFO
108	55	0.23	74	2	SAI		010	-15.68	010	010				4014	460SI	04/03 RFO
		0.23	74	2	TWD	46	010	-15.68	010	010				4014	460SI	04/03 RFO
		0.20	80	2	SAI		010	-14.05	010	010				4014	460SI	04/03 RFO
		0.20	80	2	TWD	30	010	-14.05	010	010				4014	460SI	04/03 RFO
		0.30	60	2	SAI		010	-9.84	010	010				4014	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.30	60	2	TWD	71	010	-9.84	010	010				4014	460SI	04/03 RFO
		0.20	45	2	SAI		010	-4.55	010	010				4014	460SI	04/03 RFO
		0.20	45	2	TWD	89	010	-4.55	010	010				4014	460SI	04/03 RFO
108	70	3.03	165	1	DNT		LTS	+0.17	LTS	LTS				4077	520SI	04/03 RFO
108	73	2.19	174	1	DNT		LTS	+0.02	LTS	LTS				4077	520SI	04/03 RFO
108	100	0.57	165	1	VOL		010	-0.08	010	010				4034	460SI	04/03 RFO
109	4	0.40	144	P 3	TWD	10	015	-0.70	015	015	WAR			4083	520SI	04/03 RFO
109	19	0.40	94	2	VOL		014	+0.80	014	014				4083	520SI	04/03 RFO
109	44	0.05	57	2	VOL		009	+4.63	009	009				4051	460SI	04/03 RFO
109	45	1.36	340	1	DNT		LTS	-0.07	LTS	LTS				4051	460SI	04/03 RFO
109	57	0.08	98	2	SAI		009	-19.41	009	009				4014	460SI	04/03 RFO
		0.08	98	2	TWD	0	009	-19.41	009	009				4014	460SI	04/03 RFO
109	58	0.08	95	2	SAI		013	+10.48	013	013				4062	460SI	04/03 RFO
		0.08	95	2	TWD	0	013	+10.48	013	013				4062	460SI	04/03 RFO
		0.23	71	2	SAI		013	+15.18	013	013				4062	460SI	04/03 RFO
		0.23	71	2	TWD	65	013	+15.18	013	013				4062	460SI	04/03 RFO
109	60	0.04	91	2	SAI		009	+15.25	009	009				4077	520SI	04/03 RFO
		0.04	91	2	TWD	0	009	+15.25	009	009				4077	520SI	04/03 RFO
		0.09	73	2	SAI		009	+13.80	009	009				4077	520SI	04/03 RFO
		0.09	73	2	TWD	47	009	+13.80	009	009				4077	520SI	04/03 RFO
		0.25	81	2	SAI		009	+12.94	009	009				4077	520SI	04/03 RFO
		0.25	81	2	TWD	27	009	+12.94	009	009				4077	520SI	04/03 RFO
		0.15	66	2	SAI		009	+7.39	009	009				4077	520SI	04/03 RFO
		0.15	66	2	TWD	61	009	+7.39	009	009				4077	520SI	04/03 RFO
109	75	2.05	22	2	TEA		UTE	-0.24	UTE	UTE				2056	460HR	04/03 RFO
109	88	0.37	64	2	VOL		002	+13.96	002	002				4034	460SI	04/03 RFO
109	94	0.62	76	2	SAI		011	+14.20	011	011				4034	460SI	04/03 RFO
		0.62	76	2	TWD	28	011	+14.20	011	011				4034	460SI	04/03 RFO
109	107	0.06	67	2	SAI		015	+2.92	015	015				4108	520SI	04/03 RFO
		0.06	67	2	TWD	63	015	+2.92	015	015				4108	520SI	04/03 RFO
109	110	0.08	63	2	VOL		011	+3.36	011	011				4026	460SI	04/03 RFO
		0.06	75	2	VOL		011	-12.40	011	011				4026	460SI	04/03 RFO
		0.07	62	2	VOL		011	-13.75	011	011				4026	460SI	04/03 RFO
		0.10	61	2	VOL		011	-16.94	011	011				4026	460SI	04/03 RFO
109	112	0.16	44	2	VOL		010	+1.15	010	010				4093	460SI	04/03 RFO
110	7	0.17	84	2	SAI		014	-0.98	014	014				4083	520SI	04/03 RFO
		0.17	84	2	TWD	25	014	-0.98	014	014				4083	520SI	04/03 RFO
110	10	0.17	68	2	SAI		015	+3.40	015	015				4083	520SI	04/03 RFO
		0.17	68	2	TWD	56	015	+3.40	015	015				4083	520SI	04/03 RFO
		0.08	77	2	SAI		015	-1.99	015	015				4083	520SI	04/03 RFO
		0.08	77	2	TWD	40	015	-1.99	015	015				4083	520SI	04/03 RFO
110	62	7.71	173	1	DNT		007	+18.28	007	007				4082	520SI	04/03 RFO
110	64	1.29	179	1	DNT		LTS	+0.02	LTS	LTS				4082	520SI	04/03 RFO
110	72	1.44	25	2	TEA		UTE	-0.24	UTE	UTE				2056	460HR	04/03 RFO
110	107	2.34	24	2	TEA		UTE	-0.19	UTE	UTE				2005	460HR	04/03 RFO
110	117	7.40	183	1	DNT		UTS	+0.05	UTS	UTS				4093	460SI	04/03 RFO
		4.68	183	1	DNT		015	+0.70	015	015				4093	460SI	04/03 RFO
111	85	0.84	25	2	VOL		UTS	+14.09	UTS	UTS				4082	520SI	04/03 RFO
		0.12	56	2	VOL		UTS	+13.92	UTS	UTS				4082	520SI	04/03 RFO
111	111	0.47	65	2	VOL		012	+1.03	012	012				4093	460SI	04/03 RFO
112	2	0.14	71	2	VOL		003	-5.22	003	003				4079	520SI	04/03 RFO
		0.56	27	2	MAI		UTE	-3.54	UTE	UTS	URT			2117	460HR	04/03 RFO
		0.56	27	2	TWD	79	UTE	-3.54	UTE	UTS				2117	460HR	04/03 RFO
112	9	1.74	15	2	TEA		UTE	-0.22	UTE	UTE				2113	460HR	04/03 RFO
112	16	0.09	79	2	VOL		013	-14.20	013	013				4079	520SI	04/03 RFO
112	18	0.06	76	2	VOL		011	+9.07	011	011				4079	520SI	04/03 RFO
112	25	0.21	154	2	VOL		015	+0.17	015	015				4043	460SI	04/03 RFO
112	28	1.08	18	2	TEA		UTE	-0.24	UTE	UTE				2095	460HR	04/03 RFO
112	44	1.19	19	2	TEA		UTE	-0.24	UTE	UTE				2095	460HR	04/03 RFO
112	60	0.79	18	2	TEA		UTE	-0.19	UTE	UTE				2057	460HR	04/03 RFO
112	62	1.19	24	2	TEA		UTE	-0.17	UTE	UTE				2057	460HR	04/03 RFO
112	94	0.79	27	2	MAI		UTE	-3.48	UTE	UTS	URT			2009	460HR	04/03 RFO
		0.62	27	2	TWD	89	UTE	-3.48	UTE	UTS				2009	460HR	04/03 RFO
112	112	0.10	60	2	VOL		012	+1.14	012	012				4093	460SI	04/03 RFO
112	116	0.15	64	2	VOL		014	-1.00	014	014				4034	460SI	04/03 RFO
112	117	0.15	105	2	VOL		015	+22.07	015	015				4093	460SI	04/03 RFO
113	7	0.27	55	P 3	TWD	5	009	-0.73	009	009	WAR			4079	520SI	04/03 RFO
113	49	3.18	26	2	TEA		UTE	-0.19	UTE	UTE				2085	460HR	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
113	56	0.81	19	2	TEA	UTE	-0.24	UTE	UTE					2084	460HR	04/03 RFO
113	62	0.17	70	2	SAI	UTS	-3.93	UTS	UTS					4069	520SI	04/03 RFO
		0.17	70	2	TWD	59	UTS	-3.93	UTS	UTS				4069	520SI	04/03 RFO
113	90	1.05	69	2	SAI	UTS	-4.30	UTS	UTS					4034	460SI	04/03 RFO
		1.05	69	2	TWD	52	UTS	-4.30	UTS	UTS				4034	460SI	04/03 RFO
		1.31	73	2	SAI	UTS	-4.01	UTS	UTS					4034	460SI	04/03 RFO
		1.31	73	2	TWD	40	UTS	-4.01	UTS	UTS				4034	460SI	04/03 RFO
113	93	0.12	92	2	VOL	013	-17.99	013	013					4034	460SI	04/03 RFO
113	95	0.12	64	2	VOL	009	+1.92	009	009					4034	460SI	04/03 RFO
113	103	0.30	0	P 3	TWD	6	014	+0.64	014	014	WAR			4034	460SI	04/03 RFO
113	112	0.13	72	2	VOL	012	+1.10	012	012					4093	460SI	04/03 RFO
113	114	0.17	57	2	SAI	015	-6.56	015	015					4034	460SI	04/03 RFO
		1.82	60	2	TWD	71	015	-6.56	015	015				4034	460SI	04/03 RFO
114	1	3.31	178	1	DNT	LTS	-13.71	LTS	LTS					4106	520SI	04/03 RFO
114	7	0.12	62	2	SAI	015	-3.83	015	015					4075	520SI	04/03 RFO
		0.12	62	2	TWD	67	015	-3.83	015	015				4075	520SI	04/03 RFO
114	47	0.37	27	2	VOL	004	-0.13	004	004					4016	460SI	04/03 RFO
114	48	0.33	71	2	SAI	UTS	-2.67	UTS	UTS					4016	460SI	04/03 RFO
		0.33	71	2	TWD	57	UTS	-2.67	UTS	UTS				4016	460SI	04/03 RFO
114	49	1.29	20	2	TEA	UTE	-0.18	UTE	UTE	CL				2085	460HR	04/03 RFO
		0.32	51	2	TWD	93	UTE	-1.15	UTE	UTE				2085	460HR	04/03 RFO
		0.32	51	2	SAI	UTE	-1.15	UTE	UTE	TR				2085	460HR	04/03 RFO
114	51	4.89	172	1	DNT	001	+6.34	001	001					4016	460SI	04/03 RFO
114	52	0.30	121	P 3	TWD	8	014	+0.62	014	014	WAR			4016	460SI	04/03 RFO
114	91	0.14	65	2	VOL	012	-9.63	012	012					4034	460SI	04/03 RFO
114	95	0.16	69	2	VOL	UTS	-17.11	UTS	UTS					4034	460SI	04/03 RFO
114	98	0.53	72	2	SAI	011	+7.84	011	011					4034	460SI	04/03 RFO
		0.53	72	2	TWD	43	011	+7.84	011	011				4034	460SI	04/03 RFO
		1.89	75	2	SAI	011	+6.41	011	011					4034	460SI	04/03 RFO
		1.89	75	2	TWD	32	011	+6.41	011	011				4034	460SI	04/03 RFO
		1.41	80	2	SAI	011	+5.35	011	011					4034	460SI	04/03 RFO
		1.41	80	2	TWD	8	011	+5.35	011	011				4034	460SI	04/03 RFO
		1.99	76	2	SAI	011	-6.07	011	011					4034	460SI	04/03 RFO
		1.99	76	2	TWD	28	011	-6.07	011	011				4034	460SI	04/03 RFO
		3.14	71	2	SAI	011	-7.21	011	011					4034	460SI	04/03 RFO
		3.14	71	2	TWD	46	011	-7.21	011	011				4034	460SI	04/03 RFO
		2.16	71	2	SAI	011	-8.38	011	011					4034	460SI	04/03 RFO
		2.16	71	2	TWD	46	011	-8.38	011	011				4034	460SI	04/03 RFO
		1.18	71	2	SAI	011	-11.84	011	011					4034	460SI	04/03 RFO
		1.18	71	2	TWD	46	011	-11.84	011	011				4034	460SI	04/03 RFO
		0.35	77	2	VOL	011	-1.81	011	011					4034	460SI	04/03 RFO
114	107	2.33	19	2	TEA	UTE	-0.24	UTE	UTE					2005	460HR	04/03 RFO
114	114	0.20	153	P 3	TWD	4	010	+0.66	010	010	WAR			4034	460SI	04/03 RFO
		0.20	11	P 3	TWD	4	014	+0.78	014	014	WAR			4034	460SI	04/03 RFO
114	115	0.23	69	2	VOL	010	+7.88	010	010					4093	460SI	04/03 RFO
115	1	0.11	82	2	SAI	011	-4.93	011	011					4075	520SI	04/03 RFO
		0.11	82	2	TWD	20	011	-4.93	011	011				4075	520SI	04/03 RFO
		0.07	73	2	SAI	011	-6.70	011	011					4075	520SI	04/03 RFO
		0.07	73	2	TWD	46	011	-6.70	011	011				4075	520SI	04/03 RFO
		0.15	71	2	SAI	012	-10.49	012	012					4075	520SI	04/03 RFO
		0.15	71	2	TWD	50	012	-10.49	012	012				4075	520SI	04/03 RFO
		0.13	82	2	SAI	012	-3.77	012	012					4075	520SI	04/03 RFO
		0.13	82	2	TWD	20	012	-3.77	012	012				4075	520SI	04/03 RFO
		0.10	83	2	SAI	013	-4.28	013	013					4075	520SI	04/03 RFO
		0.10	83	2	TWD	16	013	-4.28	013	013				4075	520SI	04/03 RFO
		0.12	82	2	SAI	013	-3.08	013	013					4075	520SI	04/03 RFO
		0.12	82	2	TWD	20	013	-3.08	013	013				4075	520SI	04/03 RFO
		0.08	55	2	SAI	013	-0.90	013	013					4075	520SI	04/03 RFO
		0.08	55	2	TWD	76	013	-0.90	013	013				4075	520SI	04/03 RFO
115	7	3.05	20	2	TEA	UTE	-0.24	UTE	UTE					2113	460HR	04/03 RFO
115	8	1.40	29	2	TEA	UTE	-0.20	UTE	UTE					2112	460HR	04/03 RFO
115	23	0.31	99	P 3	TWD	6	015	+0.32	015	015	WAR			4043	460SI	04/03 RFO
115	27	1.47	18	2	TEA	UTE	-0.24	UTE	UTE					2095	460HR	04/03 RFO
115	46	10.56	173	1	DNT	LTE	+4.22	LTE	LTS					4016	460SI	04/03 RFO
115	61	1.04	59	P 3	TWD	13	004	-0.56	004	004	WAR			4069	520SI	04/03 RFO
115	102	0.13	56	2	VOL	002	+10.27	002	002					4034	460SI	04/03 RFO
115	114	0.06	64	2	VOL	010	+9.23	010	010					4093	460SI	04/03 RFO
		4.36	184	1	DNT	LTS	+0.71	LTS	LTS					4093	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
116	8	0.86	29	P 1	SCI		UTE	-3.60		UTE	UTS	URT		2127		460HR	04/03 RFO
		0.00	0	P 4	TWD	0	UTE	-3.60	TO+265.9	UTE	UTS			2127		460HR	04/03 RFO
		0.11	130	P 4	TWD	18	UTE	-3.60	TO+274.1	UTE	UTS			2127		460HR	04/03 RFO
		0.18	61	P 4	TWD	30	UTE	-3.60	TO+282.3	UTE	UTS			2127		460HR	04/03 RFO
		0.25	48	P 4	TWD	41	UTE	-3.60	TO+290.5	UTE	UTS			2127		460HR	04/03 RFO
		0.28	45	P 4	TWD	46	UTE	-3.60	TO+298.6	UTE	UTS			2127		460HR	04/03 RFO
		0.31	35	P 4	TWD	50	UTE	-3.60	TO+306.8	UTE	UTS			2127		460HR	04/03 RFO
		0.38	35	P 4	TWD	63	UTE	-3.60	TO+315.0	UTE	UTS			2127		460HR	04/03 RFO
		0.43	41	P 4	TWD	70	UTE	-3.60	TO+323.2	UTE	UTS			2127		460HR	04/03 RFO
		0.41	41	P 4	TWD	66	UTE	-3.60	TO+331.4	UTE	UTS			2127		460HR	04/03 RFO
		0.48	33	P 4	TWD	78	UTE	-3.60	TO+339.5	UTE	UTS			2127		460HR	04/03 RFO
		0.50	41	P 4	TWD	82	UTE	-3.60	TO+347.7	UTE	UTS			2127		460HR	04/03 RFO
		0.60	37	P 4	TWD	98	UTE	-3.60	TO+355.9	UTE	UTS			2127		460HR	04/03 RFO
		0.46	40	P 4	TWD	75	UTE	-3.60	TO+4.1	UTE	UTS			2127		460HR	04/03 RFO
		0.38	45	P 4	TWD	62	UTE	-3.60	TO+12.3	UTE	UTS			2127		460HR	04/03 RFO
		0.40	46	P 4	TWD	66	UTE	-3.60	TO+20.5	UTE	UTS			2127		460HR	04/03 RFO
		0.46	42	P 4	TWD	75	UTE	-3.60	TO+28.6	UTE	UTS			2127		460HR	04/03 RFO
		0.54	38	P 4	TWD	88	UTE	-3.60	TO+36.8	UTE	UTS			2127		460HR	04/03 RFO
		0.59	37	P 4	TWD	97	UTE	-3.60	TO+45.0	UTE	UTS			2127		460HR	04/03 RFO
		0.53	37	P 4	TWD	86	UTE	-3.60	TO+53.2	UTE	UTS			2127		460HR	04/03 RFO
		0.35	45	P 4	TWD	57	UTE	-3.60	TO+61.4	UTE	UTS			2127		460HR	04/03 RFO
		0.19	75	P 4	TWD	31	UTE	-3.60	TO+69.5	UTE	UTS			2127		460HR	04/03 RFO
		0.20	81	P 4	TWD	33	UTE	-3.60	TO+77.7	UTE	UTS			2127		460HR	04/03 RFO
		0.14	87	P 4	TWD	23	UTE	-3.60	TO+85.9	UTE	UTS			2127		460HR	04/03 RFO
		0.11	348	P 4	TWD	19	UTE	-3.60	TO+94.1	UTE	UTS			2127		460HR	04/03 RFO
		0.00	0	P 4	TWD	0	UTE	-3.60	TO+102.3	UTE	UTS			2127		460HR	04/03 RFO
116	21	0.33	67	2	VOL		014	+0.48		014	014			4075		520SI	04/03 RFO
116	22	0.65	13	2	TEA		UTE	-0.24		UTE	UTE			2096		460HR	04/03 RFO
116	26	1.89	24	2	TEA		UTE	-0.21		UTE	UTE			2095		460HR	04/03 RFO
116	28	0.95	21	2	TEA		UTE	-0.20		UTE	UTE			2095		460HR	04/03 RFO
116	30	0.91	23	2	TEA		UTE	-0.23		UTE	UTE			2095		460HR	04/03 RFO
116	61	1.43	17	2	TEA		UTE	-0.18		UTE	UTE			2061		460HR	04/03 RFO
116	77	0.14	55	2	VOL		004	-9.34		004	004			4082		520SI	04/03 RFO
		0.21	47	2	VOL		004	-18.92		004	004			4082		520SI	04/03 RFO
116	98	0.18	53	2	VOL		008	-6.12		008	008			4034		460SI	04/03 RFO
116	101	0.14	39	2	VOL		015	-7.72		015	015			4034		460SI	04/03 RFO
116	107	1.22	0	P 3	TWD	14	009	-0.55		009	009	WAR		4093		460SI	04/03 RFO
117	20	0.20	79	2	VOL		015	+0.86		015	015			4043		460SI	04/03 RFO
117	49	0.28	154	P 3	TWD	7	015	+0.80		015	015	WAR		4016		460SI	04/03 RFO
117	56	1.34	29	2	TEA		UTE	-0.18		UTE	UTE			2060		460HR	04/03 RFO
117	70	1.41	13	2	TEA		UTE	-0.12		UTE	UTE			2060		460HR	04/03 RFO
117	87	1.08	14	2	TEA		UTE	-0.24		UTE	UTE			2008		460HR	04/03 RFO
117	90	0.64	70	2	VOL		015	+0.64		015	015			4034		460SI	04/03 RFO
		2.25	22	2	TEA		UTE	-0.12		UTE	UTE			2008		460HR	04/03 RFO
117	95	0.16	64	2	SAI		011	-13.54		011	011			4093		460SI	04/03 RFO
		0.16	64	2	TWD	71	011	-13.54		011	011			4093		460SI	04/03 RFO
117	97	0.20	69	2	VOL		002	+10.87		002	002			4034		460SI	04/03 RFO
117	107	0.16	86	2	VOL		011	-15.74		011	011			4034		460SI	04/03 RFO
		0.05	81	2	VOL		011	-16.60		011	011			4034		460SI	04/03 RFO
118	3	2.05	25	2	TEA		UTE	-0.15		UTE	UTE			2112		460HR	04/03 RFO
		0.39	47	P 3	TWD	7	009	-0.71		009	009	WAR		4075		520SI	04/03 RFO
118	6	1.70	19	2	TEA		UTE	-0.23		UTE	UTE			2113		460HR	04/03 RFO
118	21	0.06	64	2	VOL		010	+14.52		010	010			4051		460SI	04/03 RFO
118	25	1.37	18	2	TEA		UTE	-0.17		UTE	UTE			2095		460HR	04/03 RFO
118	49	0.07	128	2	VOL		014	-8.80		014	014			4016		460SI	04/03 RFO
118	90	0.29	57	2	VOL		012	-5.33		012	012			4034		460SI	04/03 RFO
118	100	1.06	24	2	TEA		UTE	-0.20		UTE	UTE			2005		460HR	04/03 RFO
		0.12	73	2	VOL		010	+14.27		010	010			4034		460SI	04/03 RFO
118	102	1.72	19	2	TEA		UTE	-0.24		UTE	UTE			2005		460HR	04/03 RFO
118	105	0.10	57	2	VOL		013	-10.54		013	013			4034		460SI	04/03 RFO
		0.15	80	2	VOL		013	-10.08		013	013			4034		460SI	04/03 RFO
118	107	1.04	67	2	SAI		010	+11.35		010	010			4034		460SI	04/03 RFO
		1.04	67	2	TWD	57	010	+11.35		010	010			4034		460SI	04/03 RFO
119	22	2.58	23	2	TEA		UTE	-0.18		UTE	UTE			2095		460HR	04/03 RFO
119	24	0.13	72	2	VOL		008	+6.72		008	008			4051		460SI	04/03 RFO
119	55	0.38	0	P 3	TWD	8	003	+0.49		003	003	WAR		4085		520SI	04/03 RFO
119	72	0.23	83	2	VOL		UTS	+17.25		UTS	UTS			4085		520SI	04/03 RFO
119	84	0.12	64	2	VOL		001	+7.20		001	001			4030		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
119	85	0.10	46	2	VOL		014	-7.23	014	014				4030		460SI	04/03 RFO
119	88	1.47	24	2	TEA		UTE	-0.18	UTE	UTE				2009		460HR	04/03 RFO
119	91	1.86	42	2	TEA		UTE	-0.15	UTE	UTE				2008		460HR	04/03 RFO
120	2	0.13	69	2	SAI		012	-6.16	012	012				4075		520SI	04/03 RFO
		0.13	69	2	TWD	54	012	-6.16	012	012				4075		520SI	04/03 RFO
		0.21	59	2	SAI		014	-13.89	014	014				4075		520SI	04/03 RFO
		0.21	59	2	TWD	71	014	-13.89	014	014				4075		520SI	04/03 RFO
120	5	1.88	19	2	TEA		UTE	-0.22	UTE	UTE				2113		460HR	04/03 RFO
120	44	3.73	26	2	TEA		UTE	-0.18	UTE	UTE				2084		460HR	04/03 RFO
120	45	0.90	22	2	TWD	67	UTE	-1.19	UTE	UTE				2085		460HR	04/03 RFO
		0.89	23	2	SAI		UTE	-1.19	UTE	UTE	TR			2085		460HR	04/03 RFO
120	55	0.13	72	2	VOL		011	+2.55	011	011				4085		520SI	04/03 RFO
120	57	0.88	74	2	SAI		UTS	-9.19	UTS	UTS				4085		520SI	04/03 RFO
		0.16	54	2	TWD	76	UTS	-9.19	UTS	UTS				4085		520SI	04/03 RFO
		0.22	70	2	SAI		UTS	-11.80	UTS	UTS				4085		520SI	04/03 RFO
		0.22	70	2	TWD	55	UTS	-11.80	UTS	UTS				4085		520SI	04/03 RFO
		0.15	73	2	SAI		UTS	-13.96	UTS	UTS				4085		520SI	04/03 RFO
		0.15	73	2	TWD	51	UTS	-13.96	UTS	UTS				4085		520SI	04/03 RFO
		0.18	71	2	SAI		UTS	-15.46	UTS	UTS				4085		520SI	04/03 RFO
		0.18	71	2	TWD	54	UTS	-15.46	UTS	UTS				4085		520SI	04/03 RFO
		0.19	64	2	SAI		UTS	-17.35	UTS	UTS				4085		520SI	04/03 RFO
		0.19	64	2	TWD	63	UTS	-17.35	UTS	UTS				4085		520SI	04/03 RFO
		0.23	67	2	SAI		UTS	-19.74	UTS	UTS				4085		520SI	04/03 RFO
		0.23	67	2	TWD	59	UTS	-19.74	UTS	UTS				4085		520SI	04/03 RFO
		0.15	74	2	SAI		UTS	-22.20	UTS	UTS				4085		520SI	04/03 RFO
		0.15	74	2	TWD	49	UTS	-22.20	UTS	UTS				4085		520SI	04/03 RFO
		0.10	92	2	SAI		015	+3.12	015	015				4085		520SI	04/03 RFO
		0.10	92	2	TWD	19	015	+3.12	015	015				4085		520SI	04/03 RFO
		0.09	78	2	SAI		011	+31.40	012	011				4085		520SI	04/03 RFO
		0.09	78	2	TWD	43	011	+31.40	012	011				4085		520SI	04/03 RFO
		0.09	56	2	SAI		011	+23.61	012	011				4085		520SI	04/03 RFO
		0.09	56	2	TWD	73	011	+23.61	012	011				4085		520SI	04/03 RFO
		0.12	67	2	SAI		011	+21.26	012	011				4085		520SI	04/03 RFO
		0.12	67	2	TWD	59	011	+21.26	012	011				4085		520SI	04/03 RFO
		0.11	71	2	SAI		011	+15.89	012	011				4085		520SI	04/03 RFO
		0.11	71	2	TWD	54	011	+15.89	012	011				4085		520SI	04/03 RFO
		0.10	65	2	SAI		011	+12.14	012	011				4085		520SI	04/03 RFO
		0.10	65	2	TWD	62	011	+12.14	012	011				4085		520SI	04/03 RFO
		0.09	86	2	SAI		011	-8.64	011	011				4085		520SI	04/03 RFO
		0.09	86	2	TWD	30	011	-8.64	011	011				4085		520SI	04/03 RFO
120	69	0.14	73	2	VOL		004	-4.02	004	004				4085		520SI	04/03 RFO
120	90	0.64	24	2	TEA		UTE	-0.18	UTE	UTE				2009		460HR	04/03 RFO
121	4	1.68	27	2	TEA		UTE	-0.23	UTE	UTE				2113		460HR	04/03 RFO
121	5	0.32	116	2	VOL		010	+0.63	010	010				4075		520SI	04/03 RFO
121	16	1.28	29	2	TEA		UTE	-0.20	UTE	UTE				2113		460HR	04/03 RFO
121	21	1.50	19	2	TEA		UTE	-0.24	UTE	UTE				2095		460HR	04/03 RFO
121	30	2.05	26	2	TEA		UTE	-0.21	UTE	UTE				2096		460HR	04/03 RFO
121	41	0.38	80	2	VOL		UTS	+16.05	UTS	UTS				4016		460SI	04/03 RFO
121	42	0.19	59	2	VOL		008	-5.07	008	008				4016		460SI	04/03 RFO
121	48	0.77	192	2	TEA		UTE	-0.21	UTE	UTE				2081		460HR	04/03 RFO
121	50	0.14	43	2	VOL		002	+10.03	002	002				4016		460SI	04/03 RFO
121	57	0.13	72	2	SAI		011	-2.86	011	012				4087		520SI	04/03 RFO
		0.13	72	2	TWD	44	011	-2.86	011	012				4087		520SI	04/03 RFO
		0.12	69	2	SAI		011	+4.18	011	012				4087		520SI	04/03 RFO
		0.12	69	2	TWD	52	011	+4.18	011	012				4087		520SI	04/03 RFO
		0.10	66	2	MAI		011	+7.21	011	012				4087		520SI	04/03 RFO
		0.10	66	2	TWD	60	011	+7.21	011	012				4087		520SI	04/03 RFO
		0.10	77	2	MAI		011	+11.45	011	012				4087		520SI	04/03 RFO
		0.10	77	2	TWD	25	011	+11.45	011	012				4087		520SI	04/03 RFO
		0.07	52	2	MAI		011	+27.51	011	012				4087		520SI	04/03 RFO
		0.07	52	2	TWD	83	011	+27.51	011	012				4087		520SI	04/03 RFO
		0.10	71	2	MAI		011	+35.43	011	012				4087		520SI	04/03 RFO
		0.10	71	2	TWD	47	011	+35.43	011	012				4087		520SI	04/03 RFO
		0.09	60	2	SAI		UTS	-30.99	UTS	UTS				4087		520SI	04/03 RFO
		0.09	60	2	TWD	71	UTS	-30.99	UTS	UTS				4087		520SI	04/03 RFO
		0.18	64	2	MAI		UTS	-25.49	UTS	UTS				4087		520SI	04/03 RFO
		0.18	64	2	TWD	64	UTS	-25.49	UTS	UTS				4087		520SI	04/03 RFO
		0.13	69	2	MAI		UTS	-23.77	UTS	UTS				4087		520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.13	69	2	TWD	52	UTS	-23.77	UTS	UTS				4087	520SI	04/03	RFO
		0.18	68	2	MAI		UTS	-20.12	UTS	UTS				4087	520SI	04/03	RFO
		0.18	68	2	TWD	55	UTS	-20.12	UTS	UTS				4087	520SI	04/03	RFO
		0.23	71	2	MAI		UTS	-17.82	UTS	UTS				4087	520SI	04/03	RFO
		0.23	71	2	TWD	47	UTS	-17.82	UTS	UTS				4087	520SI	04/03	RFO
		0.22	69	2	MAI		UTS	-15.61	UTS	UTS				4087	520SI	04/03	RFO
		0.22	69	2	TWD	52	UTS	-15.61	UTS	UTS				4087	520SI	04/03	RFO
		0.25	69	2	MAI		UTS	-12.73	UTS	UTS				4087	520SI	04/03	RFO
		0.25	69	2	TWD	52	UTS	-12.73	UTS	UTS				4087	520SI	04/03	RFO
		0.26	69	2	MAI		UTS	-10.56	UTS	UTS				4087	520SI	04/03	RFO
		0.26	69	2	TWD	52	UTS	-10.56	UTS	UTS				4087	520SI	04/03	RFO
		0.11	79	2	MAI		UTS	-8.46	UTS	UTS				4087	520SI	04/03	RFO
		0.11	79	2	TWD	15	UTS	-8.46	UTS	UTS				4087	520SI	04/03	RFO
		0.11	79	2	SAI		UTS	-4.48	UTS	UTS				4087	520SI	04/03	RFO
		0.11	79	2	TWD	15	UTS	-4.48	UTS	UTS				4087	520SI	04/03	RFO
121	83	3.52	173	1	DNT		LTE	+1.66	LTS	LTE				4030	460SI	04/03	RFO
		3.65	180	1	DNT		LTE	+7.95	LTS	LTE				4030	460SI	04/03	RFO
		2.11	180	1	DNT		LTE	+9.97	LTS	LTE				4030	460SI	04/03	RFO
121	87	0.15	46	2	VOL		011	+17.06	011	011				4030	460SI	04/03	RFO
121	99	0.95	78	2	SAI		011	-9.29	011	011				4034	460SI	04/03	RFO
		0.95	78	2	TWD	19	011	-9.29	011	011				4034	460SI	04/03	RFO
		0.65	72	2	SAI		011	-8.80	011	011				4034	460SI	04/03	RFO
		0.65	72	2	TWD	43	011	-8.80	011	011				4034	460SI	04/03	RFO
121	101	5.44	183	1	DNT		LTE	+3.70	LTS	LTE				4093	460SI	04/03	RFO
122	2	1.20	25	2	TEA		UTE	-0.14	UTE	UTE				2112	460HR	04/03	RFO
122	8	0.16	51	2	VOL		001	-5.84	001	001				4075	520SI	04/03	RFO
122	39	1.05	22	2	TEA		UTE	-0.19	UTE	UTE				2080	460HR	04/03	RFO
122	56	0.12	53	2	SAI		007	+15.68	007	007				4082	520SI	04/03	RFO
		0.12	53	2	TWD	85	007	+15.68	007	007				4082	520SI	04/03	RFO
122	82	0.04	82	2	SAI		012	-4.26	012	012				4030	460SI	04/03	RFO
		0.04	82	2	TWD	39	012	-4.26	012	012				4030	460SI	04/03	RFO
		0.09	79	2	SAI		012	-6.60	012	012				4030	460SI	04/03	RFO
		0.09	79	2	TWD	43	012	-6.60	012	012				4030	460SI	04/03	RFO
		0.10	91	2	SAI		012	-7.43	012	012				4030	460SI	04/03	RFO
		0.10	91	2	TWD	27	012	-7.43	012	012				4030	460SI	04/03	RFO
122	85	0.25	97	P 3	TWD	4	003	-0.79	003	003	WAR			4030	460SI	04/03	RFO
122	90	0.04	70	2	VOL		010	+6.03	010	010				4030	460SI	04/03	RFO
122	92	0.16	70	2	VOL		014	-11.68	014	014				4030	460SI	04/03	RFO
123	1	0.13	77	2	SAI		015	+9.20	015	015				4106	520SI	04/03	RFO
		0.13	77	2	TWD	45	015	+9.20	015	015				4106	520SI	04/03	RFO
123	3	0.23	64	2	SAI		015	-2.19	015	015				4106	520SI	04/03	RFO
		0.23	64	2	TWD	66	015	-2.19	015	015				4106	520SI	04/03	RFO
123	5	0.39	51	2	SAI		003	-9.74	003	003				4106	520SI	04/03	RFO
		0.39	51	2	TWD	82	003	-9.74	003	003				4106	520SI	04/03	RFO
123	11	3.12	20	2	TEA		UTE	-0.24	UTE	UTE				2113	460HR	04/03	RFO
123	20	2.25	25	2	TEA		UTE	-0.20	UTE	UTE				2095	460HR	04/03	RFO
123	21	2.38	16	2	TEA		UTE	-0.23	UTE	UTE				2096	460HR	04/03	RFO
123	27	1.09	14	2	TEA		UTE	-0.24	UTE	UTE				2096	460HR	04/03	RFO
123	29	0.29	54	2	VOL		015	+0.58	015	015				4043	460SI	04/03	RFO
123	68	0.16	69	2	SAI		011	-14.07	011	011				4087	520SI	04/03	RFO
		0.16	69	2	TWD	52	011	-14.07	011	011				4087	520SI	04/03	RFO
123	87	2.68	26	2	TEA		UTE	-0.23	UTE	UTE				2009	460HR	04/03	RFO
123	88	0.03	102	2	VOL		009	-6.11	009	009				4030	460SI	04/03	RFO
		1.96	21	2	TEA		UTE	-0.21	UTE	UTE				2008	460HR	04/03	RFO
123	95	0.12	53	2	VOL		015	-4.28	015	015				4030	460SI	04/03	RFO
123	104	10.88	180	1	DNT		LTS	+1.06	LTS	LTS				4094	520SI	04/03	RFO
		0.36	94	2	VOL		011	+5.22	011	011				4030	460SI	04/03	RFO
		0.16	93	2	VOL		011	+5.06	011	011				4030	460SI	04/03	RFO
124	4	0.76	82	P 3	TWD	14	010	+0.40	010	010	WAR			4106	520SI	04/03	RFO
124	9	1.23	15	2	TEA		UTE	-0.20	UTE	UTE				2112	460HR	04/03	RFO
124	13	1.87	16	2	TEA		UTE	-0.24	UTE	UTE				2112	460HR	04/03	RFO
124	15	1.92	24	2	TEA		UTE	-0.17	UTE	UTE				2112	460HR	04/03	RFO
124	16	1.47	18	2	TEA		UTE	-0.24	UTE	UTE				2095	460HR	04/03	RFO
124	41	2.19	22	2	TEA		UTE	-0.15	UTE	UTE				2080	460HR	04/03	RFO
124	51	0.73	41	2	TEA		UTE	-0.09	UTE	UTE				2048	460HR	04/03	RFO
124	58	0.31	60	2	VOL		013	-9.39	013	013				4087	520SI	04/03	RFO
124	99	0.16	75	P 3	TWD	3	010	-0.01	010	010	WAR			4094	520SI	04/03	RFO
124	101	6.92	185	1	DNT		LTS	+1.36	LTS	LTS				4030	460SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
125	4	0.78	92	P 3	TWD	15	010	+0.71	010	010	WAR			4106	520SI	04/03	RFO
125	6	0.23	79	P 3	TWD	5	010	+0.61	010	010	WAR			4106	520SI	04/03	RFO
125	28	0.12	85	2	VOL		014	-3.11	014	014				4051	460SI	04/03	RFO
125	30	0.09	72	2	SAI		012	-13.01	012	012				4051	460SI	04/03	RFO
		0.09	72	2	TWD	44	012	-13.01	012	012				4051	460SI	04/03	RFO
125	36	0.42	50	2	VOL		015	+0.67	015	015				4043	460SI	04/03	RFO
125	41	1.37	30	2	TEA		UTE	-0.23	UTE	UTE				2081	460HR	04/03	RFO
125	50	0.12	52	2	VOL		011	-2.81	011	011				4087	520SI	04/03	RFO
125	63	3.55	154	1	DNT		005	+18.10	005	005				4087	520SI	04/03	RFO
125	75	0.14	51	2	VOL		009	+19.53	009	009				4087	520SI	04/03	RFO
125	86	0.13	74	2	VOL		001	+10.31	001	001				4026	460SI	04/03	RFO
125	99	0.08	8	2	SAI		012	-14.58	012	012				4030	460SI	04/03	RFO
		0.08	8	2	TWD	28	012	-14.58	012	012				4030	460SI	04/03	RFO
		0.15	70	2	SAI		012	-15.93	012	012				4030	460SI	04/03	RFO
		0.15	70	2	TWD	55	012	-15.93	012	012				4030	460SI	04/03	RFO
		0.11	56	2	SAI		012	-21.11	012	012				4030	460SI	04/03	RFO
		0.11	56	2	TWD	71	012	-21.11	012	012				4030	460SI	04/03	RFO
		0.05	83	2	SAI		012	-22.47	012	012				4030	460SI	04/03	RFO
		0.05	83	2	TWD	38	012	-22.47	012	012				4030	460SI	04/03	RFO
		0.85	72	P 3	TWD	13	011	+0.75	011	011	WAR			4030	460SI	04/03	RFO
		0.14	82	2	SAI		011	-5.64	011	011				4030	460SI	04/03	RFO
		0.14	82	2	TWD	39	011	-5.64	011	011				4030	460SI	04/03	RFO
		0.08	56	2	SAI		011	-9.05	011	011				4030	460SI	04/03	RFO
		0.08	56	2	TWD	71	011	-9.05	011	011				4030	460SI	04/03	RFO
		0.14	51	2	VOL		011	-11.22	011	011				4030	460SI	04/03	RFO
		0.14	28	2	VOL		011	-12.64	011	011				4030	460SI	04/03	RFO
		0.19	108	2	VOL		011	-20.06	011	011				4030	460SI	04/03	RFO
125	100	10.71	182	1	DNT		LTS	+1.36	LTS	LTS				4030	460SI	04/03	RFO
126	2	0.11	84	2	VOL		UTS	+12.22	UTS	UTS				4106	520SI	04/03	RFO
126	4	0.70	88	P 3	TWD	13	010	+0.52	010	010	WAR			4106	520SI	04/03	RFO
126	5	0.73	101	P 3	TWD	14	010	+0.60	010	010	WAR			4106	520SI	04/03	RFO
126	15	1.33	30	2	TEA		UTE	-0.24	UTE	UTE				2095	460HR	04/03	RFO
126	22	1.18	14	2	TEA		UTE	-0.24	UTE	UTE				2096	460HR	04/03	RFO
126	34	0.13	63	2	SAI		010	+4.09	010	010				4051	460SI	04/03	RFO
		0.13	63	2	TWD	64	010	+4.09	010	010				4051	460SI	04/03	RFO
126	44	0.14	71	2	SAI		015	+17.61	015	015				4016	460SI	04/03	RFO
		0.14	71	2	TWD	57	015	+17.61	015	015				4016	460SI	04/03	RFO
		0.25	86	2	SAI		015	+19.96	015	015				4016	460SI	04/03	RFO
		0.25	86	2	TWD	26	015	+19.96	015	015				4016	460SI	04/03	RFO
		0.25	86	2	SAI		UTS	-6.28	UTS	UTS				4016	460SI	04/03	RFO
		0.25	86	2	TWD	26	UTS	-6.28	UTS	UTS				4016	460SI	04/03	RFO
126	81	0.15	77	2	SAI		011	-15.98	011	011				4025	460SI	04/03	RFO
		0.15	77	2	TWD	49	011	-15.98	011	011				4025	460SI	04/03	RFO
		0.12	94	2	SAI		011	-9.17	011	011				4025	460SI	04/03	RFO
		0.12	94	2	TWD	27	011	-9.17	011	011				4025	460SI	04/03	RFO
		0.21	75	2	SAI		011	-7.85	011	011				4025	460SI	04/03	RFO
		0.21	75	2	TWD	52	011	-7.85	011	011				4025	460SI	04/03	RFO
		0.18	83	2	SAI		011	-5.60	011	011				4025	460SI	04/03	RFO
		0.18	83	2	TWD	42	011	-5.60	011	011				4025	460SI	04/03	RFO
		0.09	93	2	SAI		011	-2.00	011	011				4025	460SI	04/03	RFO
		0.09	93	2	TWD	28	011	-2.00	011	011				4025	460SI	04/03	RFO
		0.06	86	2	SAI		009	-4.01	009	009				4094	520SI	04/03	RFO
		0.06	86	2	TWD	24	009	-4.01	009	009				4094	520SI	04/03	RFO
		0.08	86	2	SAI		009	-2.99	009	009				4094	520SI	04/03	RFO
		0.08	86	2	TWD	24	009	-2.99	009	009				4094	520SI	04/03	RFO
		0.12	87	2	SAI		009	+9.65	009	009				4094	520SI	04/03	RFO
		0.12	87	2	TWD	22	009	+9.65	009	009				4094	520SI	04/03	RFO
		0.10	77	2	SAI		010	-7.34	010	010				4094	520SI	04/03	RFO
		0.10	77	2	TWD	43	010	-7.34	010	010				4094	520SI	04/03	RFO
		0.12	84	2	SAI		010	-3.96	010	010				4094	520SI	04/03	RFO
		0.12	84	2	TWD	29	010	-3.96	010	010				4094	520SI	04/03	RFO
126	93	0.11	74	2	SAI		015	-6.75	015	015				4030	460SI	04/03	RFO
		0.11	74	2	TWD	50	015	-6.75	015	015				4030	460SI	04/03	RFO
127	5	0.50	107	P 3	TWD	10	010	+0.58	010	010	WAR			4106	520SI	04/03	RFO
127	7	1.15	19	2	TEA		UTE	-0.24	UTE	UTE				2110	460HR	04/03	RFO
127	17	0.29	63	2	TWD	64	011	-14.78	011	011				4051	460SI	04/03	RFO
		0.24	79	2	SAI		011	-15.93	011	011				4051	460SI	04/03	RFO
		0.24	79	2	TWD	21	011	-15.93	011	011				4051	460SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
127	23	0.29	63	2	SAI		011	-14.78	011	011				4051	460SI	04/03	RFO
		0.87	29	2	TEA		UTE	-0.06	UTE	UTE				2091	460HR	04/03	RFO
127	30	0.17	134	2	VOL		014	+0.45	014	014				4043	460SI	04/03	RFO
127	44	2.30	25	2	TEA		UTE	-0.17	UTE	UTE				2080	460HR	04/03	RFO
127	65	0.12	47	2	VOL		009	-16.52	009	009				4087	520SI	04/03	RFO
		0.12	54	2	VOL		009	+4.90	009	009				4087	520SI	04/03	RFO
127	66	0.38	143	2	VOL		UTE	-3.17	UTE	UTE	CS			2053	460HR	04/03	RFO
127	75	0.16	64	2	VOL		003	-5.84	003	003				4087	520SI	04/03	RFO
		0.19	73	2	VOL		014	-11.82	014	014				4087	520SI	04/03	RFO
127	84	3.06	22	2	TEA		UTE	-0.21	UTE	UTE				2009	460HR	04/03	RFO
127	85	2.64	30	2	TEA		UTE	-0.21	UTE	UTE				2008	460HR	04/03	RFO
127	92	0.47	81	P 3	TWD	7	009	-0.80	009	009	WAR			4030	460SI	04/03	RFO
		0.36	95	P 3	TWD	6	009	+0.61	009	009	WAR			4030	460SI	04/03	RFO
128	4	0.37	105	P 3	TWD	7	010	+0.69	010	010	WAR			4106	520SI	04/03	RFO
128	6	0.87	67	P 3	TWD	17	010	+0.34	010	010	WAR			4106	520SI	04/03	RFO
128	9	22.63	163	1	DNT		003	-3.37	003	003				4107	460SI	04/03	RFO
		5.11	136	1	DNT		003	-0.33	003	003				4107	460SI	04/03	RFO
128	15	2.34	23	2	TEA		UTE	-0.10	UTE	UTE				2091	460HR	04/03	RFO
128	18	0.39	204	2	DNT		001	-22.17	001	001				4051	460SI	04/03	RFO
128	20	0.19	54	2	VOL		010	-11.92	010	010				4051	460SI	04/03	RFO
128	36	1.40	10	2	TEA		UTE	-0.17	UTE	UTE				2080	460HR	04/03	RFO
128	43	1.19	27	2	TEA		UTE	-0.16	UTE	UTE				2081	460HR	04/03	RFO
128	54	1.36	19	2	TEA		UTE	-0.19	UTE	UTE				2053	460HR	04/03	RFO
128	61	0.95	23	2	SAI		UTE	-1.13	UTE	UTE	TR			2052	460HR	04/03	RFO
		0.91	22	2	TWD	68	UTE	-1.13	UTE	UTE				2052	460HR	04/03	RFO
128	70	0.08	87	2	VOL		008	+1.25	008	008				4087	520SI	04/03	RFO
128	74	0.08	60	2	VOL		015	-1.54	015	015				4087	520SI	04/03	RFO
129	4	0.52	74	2	SAI		015	-1.08	015	015				4106	520SI	04/03	RFO
		0.52	74	2	TWD	50	015	-1.08	015	015				4106	520SI	04/03	RFO
129	12	2.82	23	2	TEA		UTE	-0.19	UTE	UTE				2091	460HR	04/03	RFO
129	13	1.21	23	2	TWD	67	UTE	-3.56	UTE	UTS				2091	460HR	04/03	RFO
		1.21	23	2	MAI		UTE	-3.56	UTE	UTS	URT			2091	460HR	04/03	RFO
129	14	0.87	20	2	MAI		UTE	-3.56	UTE	UTS	URT			2091	460HR	04/03	RFO
		0.87	20	2	TWD	57	UTE	-3.56	UTE	UTS				2091	460HR	04/03	RFO
129	15	0.11	82	2	VOL		014	+13.13	014	014				4048	460SI	04/03	RFO
129	25	0.29	80	2	VOL		015	-0.85	015	015				4043	460SI	04/03	RFO
129	27	0.41	51	2	VOL		003	-0.73	003	003				4048	460SI	04/03	RFO
129	61	1.56	15	2	MAI		UTE	-1.12	UTE	UTE	TR			2052	460HR	04/03	RFO
		1.56	15	2	TWD	40	UTE	-1.12	UTE	UTE				2052	460HR	04/03	RFO
129	66	0.41	34	2	SVI		UTE	-1.41	UTE	UTE	TR			2053	460HR	04/03	RFO
		0.41	35	2	TWD	86	UTE	-1.41	UTE	UTE				2053	460HR	04/03	RFO
129	75	9.53	350	1	DNT		006	+17.37	006	006				4094	520SI	04/03	RFO
129	82	0.79	23	2	TEA		UTE	-0.17	UTE	UTE				2009	460HR	04/03	RFO
		0.18	81	2	SAI		009	-0.92	009	009				4026	460SI	04/03	RFO
		0.18	81	2	TWD	22	009	-0.92	009	009				4026	460SI	04/03	RFO
		0.10	88	2	SAI		009	-1.30	009	009				4026	460SI	04/03	RFO
		0.10	92	2	TWD	0	009	-1.30	009	009				4026	460SI	04/03	RFO
129	83	1.64	23	2	TEA		UTE	-0.19	UTE	UTE				2008	460HR	04/03	RFO
129	86	0.19	65	2	VOL		UTS	-21.20	UTS	UTS				4026	460SI	04/03	RFO
130	1	0.50	100	2	VOL		013	+3.17	013	013				4068	460SI	04/03	RFO
		0.13	70	2	SAI		013	-3.42	013	013				4068	460SI	04/03	RFO
		0.13	70	2	TWD	54	013	-3.42	013	013				4068	460SI	04/03	RFO
130	26	0.19	122	2	VOL		014	+0.51	014	014				4043	460SI	04/03	RFO
130	30	2.54	166	1	DNT		LTS	-10.52	LTS	LTS				4048	460SI	04/03	RFO
130	42	1.34	25	2	TEA		UTE	-0.17	UTE	UTE				2081	460HR	04/03	RFO
130	82	2.65	26	2	TEA		UTE	-0.16	UTE	UTE				2008	460HR	04/03	RFO
130	89	0.07	73	2	SAI		015	-6.27	015	015				4030	460SI	04/03	RFO
		0.07	73	2	TWD	51	015	-6.27	015	015				4030	460SI	04/03	RFO
		0.08	87	2	SAI		015	-4.01	015	015				4030	460SI	04/03	RFO
		0.08	87	2	TWD	33	015	-4.01	015	015				4030	460SI	04/03	RFO
		0.13	80	2	SAI		015	-5.19	015	015				4030	460SI	04/03	RFO
		0.13	80	2	TWD	42	015	-5.19	015	015				4030	460SI	04/03	RFO
		0.12	82	2	SAI		013	-10.07	013	013				4030	460SI	04/03	RFO
		0.12	82	2	TWD	39	013	-10.07	013	013				4030	460SI	04/03	RFO
		0.12	76	2	SAI		013	-13.37	013	013				4030	460SI	04/03	RFO
		0.12	76	2	TWD	47	013	-13.37	013	013				4030	460SI	04/03	RFO
		0.08	63	2	SAI		013	-19.98	013	013				4030	460SI	04/03	RFO
		0.08	63	2	TWD	63	013	-19.98	013	013				4030	460SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.02	69	2	SAI		011	-20.07	011	012				4108	520SI	04/03	RFO
		0.02	69	2	TWD	60	011	-20.07	011	012				4108	520SI	04/03	RFO
		0.08	88	2	SAI		011	-11.82	011	012				4108	520SI	04/03	RFO
		0.08	88	2	TWD	18	011	-11.82	011	012				4108	520SI	04/03	RFO
		0.07	95	2	SAI		011	-7.35	011	012				4108	520SI	04/03	RFO
		0.07	95	2	TWD	0	011	-7.35	011	012				4108	520SI	04/03	RFO
		0.06	96	2	SAI		011	-1.26	011	012				4108	520SI	04/03	RFO
		0.06	96	2	TWD	0	011	-1.26	011	012				4108	520SI	04/03	RFO
		0.03	103	2	SAI		011	+3.03	011	012				4108	520SI	04/03	RFO
		0.03	103	2	TWD	0	011	+3.03	011	012				4108	520SI	04/03	RFO
		0.06	89	2	SAI		011	+29.97	011	012				4108	520SI	04/03	RFO
		0.06	89	2	TWD	15	011	+29.97	011	012				4108	520SI	04/03	RFO
		0.06	81	2	SAI		011	+35.91	011	012				4108	520SI	04/03	RFO
		0.06	81	2	TWD	36	011	+35.91	011	012				4108	520SI	04/03	RFO
130	90	0.05	82	2	SAI		013	-3.82	013	013				4030	460SI	04/03	RFO
		0.05	82	2	TWD	39	013	-3.82	013	013				4030	460SI	04/03	RFO
130	91	0.06	89	2	SAI		013	+11.79	013	013				4030	460SI	04/03	RFO
		0.06	89	2	TWD	30	013	+11.79	013	013				4030	460SI	04/03	RFO
		0.10	68	2	SAI		010	+19.07	010	010				4030	460SI	04/03	RFO
		0.10	68	2	TWD	57	010	+19.07	010	010				4030	460SI	04/03	RFO
		0.11	83	2	SAI		010	+17.68	010	010				4030	460SI	04/03	RFO
		0.11	83	2	TWD	38	010	+17.68	010	010				4030	460SI	04/03	RFO
		0.05	84	2	SAI		010	+16.80	010	010				4030	460SI	04/03	RFO
		0.05	84	2	TWD	37	010	+16.80	010	010				4030	460SI	04/03	RFO
131	5	0.46	71	P 3	TWD	8	009	+0.38	009	009	WAR			4068	460SI	04/03	RFO
131	36	0.14	72	2	VOL		014	+0.93	014	014				4016	460SI	04/03	RFO
131	40	0.88	21	2	TEA		UTE	-0.16	UTE	UTE				2081	460HR	04/03	RFO
		0.22	78	2	SAI		011	+8.40	011	011				4062	460SI	04/03	RFO
		0.22	78	2	TWD	41	011	+8.40	011	011				4062	460SI	04/03	RFO
		0.18	77	2	SAI		011	+8.70	011	011				4062	460SI	04/03	RFO
		0.18	77	2	TWD	46	011	+8.70	011	011				4062	460SI	04/03	RFO
		0.13	77	2	SAI		011	-15.94	011	011				4016	460SI	04/03	RFO
		0.13	77	2	TWD	46	011	-15.94	011	011				4016	460SI	04/03	RFO
		0.18	78	2	SAI		012	-2.71	012	012				4016	460SI	04/03	RFO
		0.14	85	2	TWD	29	012	-2.71	012	012				4016	460SI	04/03	RFO
		0.20	81	2	SAI		012	+7.82	012	012				4016	460SI	04/03	RFO
		0.20	81	2	TWD	38	012	+7.82	012	012				4016	460SI	04/03	RFO
131	61	0.79	19	2	TWD	56	UTE	-1.22	UTE	UTE	TR			2052	460HR	04/03	RFO
		0.79	19	2	MAI		UTE	-1.22	UTE	UTE				2052	460HR	04/03	RFO
131	68	0.14	50	2	VOL		015	+14.85	015	015				4087	520SI	04/03	RFO
131	80	0.13	68	2	VOL		012	-2.61	012	012				4026	460SI	04/03	RFO
131	84	0.06	85	2	SAI		011	-10.87	011	011				4026	460SI	04/03	RFO
		0.06	85	2	TWD	6	011	-10.87	011	011				4026	460SI	04/03	RFO
		0.04	81	2	SAI		011	-12.97	011	011				4026	460SI	04/03	RFO
		0.04	81	2	TWD	22	011	-12.97	011	011				4026	460SI	04/03	RFO
132	4	1.28	26	2	TEA		UTE	-0.24	UTE	UTE				2111	460HR	04/03	RFO
132	10	1.11	19	2	TEA		UTE	-0.02	UTE	UTE				2091	460HR	04/03	RFO
132	12	1.92	21	2	TEA		UTE	-0.13	UTE	UTE				2091	460HR	04/03	RFO
132	18	0.64	28	2	TEA		UTE	-0.08	UTE	UTE				2091	460HR	04/03	RFO
132	29	8.70	175	1	DNT		003	+2.12	003	003				4048	460SI	04/03	RFO
		0.17	63	2	SAI		010	+2.85	010	010				4048	460SI	04/03	RFO
		0.17	63	2	TWD	69	010	+2.85	010	010				4048	460SI	04/03	RFO
		0.28	76	2	SAI		010	+15.07	010	010				4048	460SI	04/03	RFO
		0.28	76	2	TWD	48	010	+15.07	010	010				4048	460SI	04/03	RFO
		0.15	83	2	SAI		010	+21.95	010	010				4048	460SI	04/03	RFO
		0.15	83	2	TWD	35	010	+21.95	010	010				4048	460SI	04/03	RFO
		0.14	74	2	SAI		012	-13.27	012	012				4048	460SI	04/03	RFO
		0.14	74	2	TWD	52	012	-13.27	012	012				4048	460SI	04/03	RFO
		0.18	71	2	SAI		012	-16.99	012	012				4048	460SI	04/03	RFO
		0.18	71	2	TWD	57	012	-16.99	012	012				4048	460SI	04/03	RFO
		0.12	61	2	SAI		012	-20.69	012	012				4048	460SI	04/03	RFO
		0.12	61	2	TWD	71	012	-20.69	012	012				4048	460SI	04/03	RFO
		0.15	75	2	SAI		012	+3.07	012	012				4048	460SI	04/03	RFO
		0.15	75	2	TWD	50	012	+3.07	012	012				4048	460SI	04/03	RFO
		0.13	56	2	SAI		012	+17.95	012	012				4048	460SI	04/03	RFO
		0.13	56	2	TWD	77	012	+17.95	012	012				4048	460SI	04/03	RFO
		0.07	46	2	SAI		012	+29.65	012	012				4048	460SI	04/03	RFO
		0.07	46	2	TWD	88	012	+29.65	012	012				4048	460SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
132	30	0.24	60	2	SAI		012	+1.99		012	012			4048		460SI	04/03 RFO
		0.24	60	2	TWD	72	012	+1.99		012	012			4048		460SI	04/03 RFO
		0.19	63	2	SAI		012	-4.90		012	012			4048		460SI	04/03 RFO
		0.19	63	2	TWD	69	012	-4.90		012	012			4048		460SI	04/03 RFO
		0.34	67	2	SAI		012	-10.27		012	012			4048		460SI	04/03 RFO
		0.34	67	2	TWD	63	012	-10.27		012	012			4048		460SI	04/03 RFO
		0.24	62	2	TWD	70	012	-15.49		012	012			4048		460SI	04/03 RFO
		0.24	62	2	SAI		012	-15.49		012	012			4048		460SI	04/03 RFO
132	33	0.14	94	2	VOL		014	+1.12		014	014			4016		460SI	04/03 RFO
132	74	0.03	50	2	VOL		015	+5.50		015	015			4108		520SI	04/03 RFO
132	75	0.13	73	2	VOL		008	+11.49		008	008			4108		520SI	04/03 RFO
132	80	0.43	89	2	VOL		008	-0.68		008	008			4026		460SI	04/03 RFO
132	81	0.85	38	P 1	SCI		LTE	+2.41		LTS	LTE			4026		460SI	04/03 RFO
		0.00	0	P 4	TWD	0	LTE	+2.41	TO+160.9	LTS	LTE			4026		460SI	04/03 RFO
		0.22	39	P 4	TWD	27	LTE	+2.41	TO+152.5	LTS	LTE			4026		460SI	04/03 RFO
		0.24	41	P 4	TWD	29	LTE	+2.41	TO+144.0	LTS	LTE			4026		460SI	04/03 RFO
		0.30	48	P 4	TWD	36	LTE	+2.41	TO+135.5	LTS	LTE			4026		460SI	04/03 RFO
		0.39	39	P 4	TWD	48	LTE	+2.41	TO+127.1	LTS	LTE			4026		460SI	04/03 RFO
		0.52	39	P 4	TWD	64	LTE	+2.41	TO+118.6	LTS	LTE			4026		460SI	04/03 RFO
		0.57	40	P 4	TWD	69	LTE	+2.41	TO+110.1	LTS	LTE			4026		460SI	04/03 RFO
		0.61	39	P 4	TWD	75	LTE	+2.41	TO+101.6	LTS	LTE			4026		460SI	04/03 RFO
		0.70	36	P 4	TWD	86	LTE	+2.41	TO+93.2	LTS	LTE			4026		460SI	04/03 RFO
		0.74	34	P 4	TWD	91	LTE	+2.41	TO+84.7	LTS	LTE			4026		460SI	04/03 RFO
		0.79	33	P 4	TWD	97	LTE	+2.41	TO+76.2	LTS	LTE			4026		460SI	04/03 RFO
		0.80	33	P 4	TWD	98	LTE	+2.41	TO+67.8	LTS	LTE			4026		460SI	04/03 RFO
		0.79	31	P 4	TWD	97	LTE	+2.41	TO+59.3	LTS	LTE			4026		460SI	04/03 RFO
		0.79	33	P 4	TWD	97	LTE	+2.41	TO+50.8	LTS	LTE			4026		460SI	04/03 RFO
		0.78	36	P 4	TWD	96	LTE	+2.41	TO+42.4	LTE	LTE			4026		460SI	04/03 RFO
		0.77	37	P 4	TWD	95	LTE	+2.41	TO+33.9	LTS	LTE			4026		460SI	04/03 RFO
		0.79	41	P 4	TWD	97	LTE	+2.41	TO+25.4	LTS	LTE			4026		460SI	04/03 RFO
		0.79	37	P 4	TWD	97	LTE	+2.41	TO+16.9	LTS	LTE			4026		460SI	04/03 RFO
		0.68	38	P 4	TWD	83	LTE	+2.41	TO+8.5	LTS	LTE			4026		460SI	04/03 RFO
		0.44	43	P 4	TWD	54	LTE	+2.41	TO+0.0	LTS	LTE			4026		460SI	04/03 RFO
		0.39	39	P 4	TWD	47	LTE	+2.41	TO+351.5	LTS	LTE			4026		460SI	04/03 RFO
		0.30	41	P 4	TWD	37	LTE	+2.41	TO+343.1	LTS	LTE			4026		460SI	04/03 RFO
		0.16	22	P 4	TWD	19	LTE	+2.41	TO+334.6	LTS	LTE			4026		460SI	04/03 RFO
		0.00	0	P 4	TWD	0	LTE	+2.41	TO+326.1	LTS	LTE			4026		460SI	04/03 RFO
132	83	0.08	59	2	TWD	75	011	-8.38		011	011			4108		520SI	04/03 RFO
		0.08	62	2	SAI		011	-8.12		011	011			4108		520SI	04/03 RFO
		0.08	62	2	TWD	71	011	-8.12		011	011			4108		520SI	04/03 RFO
		0.28	71	2	SAI		011	-6.39		011	011			4108		520SI	04/03 RFO
		0.28	71	2	TWD	57	011	-6.39		011	011			4108		520SI	04/03 RFO
		0.26	70	2	SAI		011	-5.36		011	011			4108		520SI	04/03 RFO
		0.26	70	2	TWD	58	011	-5.36		011	011			4108		520SI	04/03 RFO
		0.08	94	2	MAI		011	-2.99		011	011			4108		520SI	04/03 RFO
		0.08	94	2	TWD	1	011	-2.99		011	011			4108		520SI	04/03 RFO
		0.18	65	2	SAI		011	+6.40		011	011			4108		520SI	04/03 RFO
		0.18	65	2	TWD	66	011	+6.40		011	011			4108		520SI	04/03 RFO
		0.07	78	2	SAI		012	-3.32		012	012			4108		520SI	04/03 RFO
		0.07	78	2	TWD	43	012	-3.32		012	012			4108		520SI	04/03 RFO
		0.07	56	2	SAI		012	-13.15		012	012			4108		520SI	04/03 RFO
		0.07	56	2	TWD	78	012	-13.15		012	012			4108		520SI	04/03 RFO
		0.17	80	2	SAI		012	-21.60		012	012			4108		520SI	04/03 RFO
		0.17	80	2	TWD	39	012	-21.60		012	012			4108		520SI	04/03 RFO
		0.08	59	2	SAI		011	-8.38		011	011			4108		520SI	04/03 RFO
		0.07	80	2	TWD	1	012	+6.14		013	012			4026		460SI	04/03 RFO
		0.06	92	2	SAI		012	+33.02		013	012			4026		460SI	04/03 RFO
		0.06	92	2	TWD	1	012	+33.02		013	012			4026		460SI	04/03 RFO
		0.17	83	2	SAI		012	+21.12		013	012			4026		460SI	04/03 RFO
		0.17	83	2	TWD	1	012	+21.12		013	012			4026		460SI	04/03 RFO
		0.08	86	2	TWD	1	012	+15.78		013	012			4026		460SI	04/03 RFO
		0.08	86	2	SAI		012	+15.78		013	012			4026		460SI	04/03 RFO
		0.12	59	2	SAI		012	+6.14		013	012			4026		460SI	04/03 RFO
		0.05	110	2	SAI		011	-8.20		011	011			4026		460SI	04/03 RFO
		0.05	110	2	TWD	1	011	-8.20		011	011			4026		460SI	04/03 RFO
		0.05	74	2	SAI		011	-12.23		011	011			4026		460SI	04/03 RFO
		0.05	74	2	TWD	32	011	-12.23		011	011			4026		460SI	04/03 RFO
		0.06	79	2	SAI		011	-2.96		011	011			4026		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.06	79	2	TWD	1	011	-2.96	011	011				4026		460SI	04/03 RFO
		0.06	131	2	TWD	1	011	-4.31	011	011				4026		460SI	04/03 RFO
		0.09	49	2	SAI		011	-4.31	011	011				4026		460SI	04/03 RFO
133	9	0.23	79	2	VOL		008	-0.76	008	008				4048		460SI	04/03 RFO
133	14	1.64	35	2	MAI		UTE	-3.62	UTE	UTS	URT			2091		460HR	04/03 RFO
		1.64	35	2	TWD	99	UTE	-3.62	UTE	UTS				2091		460HR	04/03 RFO
133	17	1.26	32	2	MAI		UTE	-3.56	UTE	UTS	URT			2122		460HR	04/03 RFO
		1.26	32	2	TWD	96	UTE	-3.56	UTE	UTS				2122		460HR	04/03 RFO
133	25	0.05	46	2	SAI		010	+10.92	010	010				4048		460SI	04/03 RFO
		0.05	46	2	TWD	88	010	+10.92	010	010				4048		460SI	04/03 RFO
133	30	0.14	67	2	SAI		012	-8.51	012	012				4016		460SI	04/03 RFO
		0.16	58	2	TWD	75	012	-8.51	012	012				4016		460SI	04/03 RFO
133	39	1.58	16	2	TEA		UTE	-0.16	UTE	UTE				2080		460HR	04/03 RFO
133	62	0.26	153	2	VOL		015	-0.12	015	015				4085		520SI	04/03 RFO
		0.26	155	2	VOL		015	-0.48	015	015				4085		520SI	04/03 RFO
		0.12	69	2	VOL		014	+1.16	014	014				4085		520SI	04/03 RFO
133	82	0.12	85	2	SAI		011	-1.44	011	011				4026		460SI	04/03 RFO
		0.12	85	2	TWD	6	011	-1.44	011	011				4026		460SI	04/03 RFO
		0.15	76	2	SAI		011	-4.50	011	011				4026		460SI	04/03 RFO
		0.15	76	2	TWD	38	011	-4.50	011	011				4026		460SI	04/03 RFO
		0.16	85	2	SAI		011	-7.65	011	011				4026		460SI	04/03 RFO
		0.16	85	2	TWD	6	011	-7.65	011	011				4026		460SI	04/03 RFO
		0.09	88	2	SAI		011	-11.32	011	011				4026		460SI	04/03 RFO
		0.09	88	2	TWD	0	011	-11.32	011	011				4026		460SI	04/03 RFO
		0.13	79	2	SAI		011	-13.29	011	011				4026		460SI	04/03 RFO
		0.13	79	2	TWD	29	011	-13.29	011	011				4026		460SI	04/03 RFO
		0.10	63	2	SAI		011	-15.23	011	011				4026		460SI	04/03 RFO
		0.10	63	2	TWD	66	011	-15.23	011	011				4026		460SI	04/03 RFO
		0.08	73	2	SAI		011	-16.77	011	011				4026		460SI	04/03 RFO
		0.08	73	2	TWD	46	011	-16.77	011	011				4026		460SI	04/03 RFO
		0.08	59	2	SAI		010	-2.69	010	010				4026		460SI	04/03 RFO
		0.08	59	2	TWD	73	010	-2.69	010	010				4026		460SI	04/03 RFO
		0.08	67	2	SAI		010	-3.92	010	010				4026		460SI	04/03 RFO
		0.08	67	2	TWD	59	010	-3.92	010	010				4026		460SI	04/03 RFO
		0.07	63	2	SAI		010	-6.09	010	010				4026		460SI	04/03 RFO
		0.07	63	2	TWD	66	010	-6.09	010	010				4026		460SI	04/03 RFO
		0.11	64	2	SAI		010	-9.38	010	010				4026		460SI	04/03 RFO
		0.11	64	2	TWD	65	010	-9.38	010	010				4026		460SI	04/03 RFO
		0.08	55	2	SAI		010	-10.61	010	010				4026		460SI	04/03 RFO
		0.08	55	2	TWD	78	010	-10.61	010	010				4026		460SI	04/03 RFO
		0.12	72	2	SAI		010	-11.71	010	010				4026		460SI	04/03 RFO
		0.12	72	2	TWD	48	010	-11.71	010	010				4026		460SI	04/03 RFO
133	84	0.09	75	2	SAI		013	-24.61	013	013				4026		460SI	04/03 RFO
		0.09	75	2	TWD	26	013	-24.61	013	013				4026		460SI	04/03 RFO
		0.11	73	2	SAI		013	-19.11	013	013				4026		460SI	04/03 RFO
		0.11	73	2	TWD	37	013	-19.11	013	013				4026		460SI	04/03 RFO
		0.05	82	2	SAI		013	-18.11	013	013				4026		460SI	04/03 RFO
		0.05	82	2	TWD	1	013	-18.11	013	013				4026		460SI	04/03 RFO
		0.11	69	2	SAI		013	-16.91	013	013				4026		460SI	04/03 RFO
		0.11	69	2	TWD	54	013	-16.91	013	013				4026		460SI	04/03 RFO
		0.13	76	2	SAI		013	-13.69	013	013				4026		460SI	04/03 RFO
		0.13	76	2	TWD	19	013	-13.69	013	013				4026		460SI	04/03 RFO
		0.06	74	2	SAI		013	-12.71	013	013				4026		460SI	04/03 RFO
		0.06	74	2	TWD	32	013	-12.71	013	013				4026		460SI	04/03 RFO
		0.11	77	2	SAI		013	-11.26	013	013				4026		460SI	04/03 RFO
		0.11	77	2	TWD	11	013	-11.26	013	013				4026		460SI	04/03 RFO
		0.06	96	2	SAI		013	-10.28	013	013				4026		460SI	04/03 RFO
		0.06	96	2	TWD	1	013	-10.28	013	013				4026		460SI	04/03 RFO
		0.06	96	2	SAI		012	-10.48	012	012				4026		460SI	04/03 RFO
		0.06	96	2	TWD	1	012	-10.48	012	012				4026		460SI	04/03 RFO
		0.09	87	2	SAI		012	-23.07	012	012				4026		460SI	04/03 RFO
		0.09	87	2	TWD	1	012	-23.07	012	012				4026		460SI	04/03 RFO
		0.07	84	2	SAI		012	-20.01	012	012				4026		460SI	04/03 RFO
		0.07	84	2	TWD	1	012	-20.01	012	012				4026		460SI	04/03 RFO
		0.14	84	2	SAI		012	-17.81	012	012				4026		460SI	04/03 RFO
		0.14	84	2	TWD	1	012	-17.81	012	012				4026		460SI	04/03 RFO
		0.09	68	2	SAI		011	-14.34	011	011				4026		460SI	04/03 RFO
		0.09	68	2	TWD	57	011	-14.34	011	011				4026		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.09	85	2	SAI		011	-20.93	011	011				4026	460SI	04/03 RFO
		0.09	85	2	TWD	1	011	-20.93	011	011				4026	460SI	04/03 RFO
133	86	3.24	170	1	DNT		LTS	+1.11	LTS	LTS				4026	460SI	04/03 RFO
134	26	0.10	49	2	SAI		014	-8.65	014	014				4048	460SI	04/03 RFO
		0.10	49	2	TWD	85	014	-8.65	014	014				4048	460SI	04/03 RFO
		0.09	70	2	SAI		014	-21.61	014	014				4048	460SI	04/03 RFO
		0.09	70	2	TWD	58	014	-21.61	014	014				4048	460SI	04/03 RFO
		0.11	68	2	SAI		014	-21.67	014	014				4048	460SI	04/03 RFO
		0.11	68	2	TWD	62	014	-21.67	014	014				4048	460SI	04/03 RFO
		0.05	87	2	SAI		014	-21.10	014	014				4048	460SI	04/03 RFO
		0.05	87	2	TWD	26	014	-21.10	014	014				4048	460SI	04/03 RFO
		0.13	73	2	SAI		014	-24.65	014	014				4048	460SI	04/03 RFO
		0.13	73	2	TWD	54	014	-24.65	014	014				4048	460SI	04/03 RFO
		0.12	79	2	SAI		012	-25.49	012	012				4104	520SI	04/03 RFO
		0.12	79	2	TWD	38	012	-25.49	012	012				4104	520SI	04/03 RFO
		0.13	78	2	SAI		012	-7.02	012	012				4104	520SI	04/03 RFO
		0.13	78	2	TWD	41	012	-7.02	012	012				4104	520SI	04/03 RFO
		0.11	75	2	SAI		012	-11.61	012	012				4104	520SI	04/03 RFO
		0.11	75	2	TWD	49	012	-11.61	012	012				4104	520SI	04/03 RFO
		0.18	75	2	SAI		012	-16.06	012	012				4104	520SI	04/03 RFO
		0.18	75	2	TWD	49	012	-16.06	012	012				4104	520SI	04/03 RFO
		0.14	79	2	SAI		012	+2.59	012	012				4104	520SI	04/03 RFO
		0.14	79	2	TWD	38	012	+2.59	012	012				4104	520SI	04/03 RFO
		0.12	86	2	SAI		012	+1.62	012	012				4104	520SI	04/03 RFO
		0.12	86	2	TWD	11	012	+1.62	012	012				4104	520SI	04/03 RFO
		0.09	76	2	SAI		012	+5.87	012	012				4104	520SI	04/03 RFO
		0.09	76	2	TWD	46	012	+5.87	012	012				4104	520SI	04/03 RFO
		0.16	62	2	SAI		012	+27.35	012	012				4104	520SI	04/03 RFO
		0.16	62	2	TWD	73	012	+27.35	012	012				4104	520SI	04/03 RFO
134	27	1.21	186	2	DNT		003	+4.38	003	003				4048	460SI	04/03 RFO
134	32	0.37	47	2	VOL		007	+17.20	007	007				4021	460SI	04/03 RFO
134	36	0.18	80	2	SAI		UTS	-11.21	UTS	UTS				4021	460SI	04/03 RFO
		0.18	80	2	TWD	0	UTS	-11.21	UTS	UTS				4021	460SI	04/03 RFO
		0.09	52	2	SAI		UTS	-12.24	UTS	UTS				4021	460SI	04/03 RFO
		0.09	52	2	TWD	85	UTS	-12.24	UTS	UTS				4021	460SI	04/03 RFO
		0.18	53	2	SAI		UTS	-13.27	UTS	UTS				4021	460SI	04/03 RFO
		0.18	53	2	TWD	84	UTS	-13.27	UTS	UTS				4021	460SI	04/03 RFO
		0.15	59	2	SAI		UTS	-14.42	UTS	UTS				4021	460SI	04/03 RFO
		0.15	59	2	TWD	76	UTS	-14.42	UTS	UTS				4021	460SI	04/03 RFO
134	66	1.61	22	2	TEA		UTE	-0.23	UTE	UTE				2052	460HR	04/03 RFO
134	67	1.43	20	2	TEA		UTE	-0.20	UTE	UTE				2053	460HR	04/03 RFO
134	85	2.41	164	1	DNT		LTS	+1.24	LTS	LTS				4108	520SI	04/03 RFO
135	3	0.17	121	2	VOL		004	+19.48	004	004				4068	460SI	04/03 RFO
135	15	1.79	21	2	TEA		UTE	-0.14	UTE	UTE				2091	460HR	04/03 RFO
135	24	2.58	171	1	DNT		003	+1.64	003	003				4048	460SI	04/03 RFO
		2.03	155	1	DNT		003	+2.06	003	003				4048	460SI	04/03 RFO
135	28	3.74	184	1	DNT		LTS	-19.92	LTS	LTS				4021	460SI	04/03 RFO
		0.11	62	2	SAI		013	+3.82	013	013				4021	460SI	04/03 RFO
		0.07	103	2	SAI		013	+9.86	013	013				4021	460SI	04/03 RFO
		0.07	103	2	TWD	0	013	+9.86	013	013				4021	460SI	04/03 RFO
		0.20	42	2	TWD	94	013	+3.82	013	013				4021	460SI	04/03 RFO
		0.07	88	2	SAI		014	-6.91	014	014				4021	460SI	04/03 RFO
		0.07	88	2	TWD	0	014	-6.91	014	014				4021	460SI	04/03 RFO
		0.15	101	2	SAI		014	+1.18	014	014				4021	460SI	04/03 RFO
		0.15	101	2	TWD	0	014	+1.18	014	014				4021	460SI	04/03 RFO
		0.06	47	2	SAI		UTS	-15.77	UTS	UTS				4021	460SI	04/03 RFO
		0.06	47	2	TWD	90	UTS	-15.77	UTS	UTS				4021	460SI	04/03 RFO
135	29	0.31	48	2	SAI		010	-1.16	010	010				4021	460SI	04/03 RFO
		0.31	48	2	TWD	89	010	-1.16	010	010				4021	460SI	04/03 RFO
135	35	2.38	22	2	TEA		UTE	-0.23	UTE	UTE				2080	460HR	04/03 RFO
		0.21	53	2	SAI		UTS	-26.70	UTS	UTS				4021	460SI	04/03 RFO
		0.21	53	2	TWD	84	UTS	-26.70	UTS	UTS				4021	460SI	04/03 RFO
		0.34	71	2	MAI		UTS	-6.98	UTS	UTS				4021	460SI	04/03 RFO
		0.34	71	2	TWD	41	UTS	-6.98	UTS	UTS				4021	460SI	04/03 RFO
		0.16	78	2	SAI		UTS	-15.84	UTS	UTS				4021	460SI	04/03 RFO
		0.16	78	2	TWD	0	UTS	-15.84	UTS	UTS				4021	460SI	04/03 RFO
135	56	2.28	183	1	DNT		LTE	+7.34	LTS	LTE				4085	520SI	04/03 RFO
135	65	2.39	23	2	TEA		UTE	-0.23	UTE	UTE				2052	460HR	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
135	75	0.17	68	2	VOL		008	-1.64	008	008				4026	460SI	04/03 RFO
		0.19	81	2	VOL		008	-14.21	008	008				4026	460SI	04/03 RFO
135	80	0.12	76	2	SAI		011	+33.02	011	011				4026	460SI	04/03 RFO
		0.12	76	2	TWD	38	011	+33.02	011	011				4026	460SI	04/03 RFO
		0.10	90	2	SAI		011	+25.39	011	011				4026	460SI	04/03 RFO
		0.10	90	2	TWD	0	011	+25.39	011	011				4026	460SI	04/03 RFO
		0.10	92	2	SAI		011	+24.10	011	011				4026	460SI	04/03 RFO
		0.10	92	2	TWD	0	011	+24.10	011	011				4026	460SI	04/03 RFO
		0.18	87	2	SAI		011	+21.20	011	011				4026	460SI	04/03 RFO
		0.18	87	2	TWD	0	011	+21.20	011	011				4026	460SI	04/03 RFO
		0.09	103	2	SAI		011	+16.83	011	011				4026	460SI	04/03 RFO
		0.09	103	2	TWD	0	011	+16.83	011	011				4026	460SI	04/03 RFO
		0.08	89	2	SAI		011	+3.33	011	011				4026	460SI	04/03 RFO
		0.08	89	2	TWD	0	011	+3.33	011	011				4026	460SI	04/03 RFO
		0.28	76	2	SAI		011	-7.21	011	011				4026	460SI	04/03 RFO
		0.28	76	2	TWD	38	011	-7.21	011	011				4026	460SI	04/03 RFO
		0.12	72	2	SAI		011	-9.61	011	011				4026	460SI	04/03 RFO
		0.12	72	2	TWD	48	011	-9.61	011	011				4026	460SI	04/03 RFO
		0.13	77	2	SAI		011	-10.47	011	011				4026	460SI	04/03 RFO
		0.13	77	2	TWD	35	011	-10.47	011	011				4026	460SI	04/03 RFO
		0.07	72	2	SAI		011	-11.84	011	011				4026	460SI	04/03 RFO
		0.07	72	2	TWD	48	011	-11.84	011	011				4026	460SI	04/03 RFO
		2.28	167	1	DNT		LTS	-19.98	LTS	LTS				4026	460SI	04/03 RFO
136	3	0.54	78	P 3	TWD	10	014	-0.77	014	014	WAR			4068	460SI	04/03 RFO
136	4	0.42	95	P 3	TWD	8	014	-0.76	014	014	WAR			4068	460SI	04/03 RFO
136	8	0.93	21	2	TEA		UTE	-0.10	UTE	UTE				2091	460HR	04/03 RFO
136	9	0.09	66	2	VOL		LTS	+22.92	LTS	LTS				4048	460SI	04/03 RFO
136	15	2.29	21	2	TEA		UTE	-0.19	UTE	UTE				2092	460HR	04/03 RFO
136	20	0.14	123	2	VOL		014	+0.39	014	014				4043	460SI	04/03 RFO
136	24	0.09	45	2	VOL		012	-4.77	012	012				4048	460SI	04/03 RFO
136	25	2.96	177	1	DNT		003	+1.60	003	003				4048	460SI	04/03 RFO
		2.89	173	1	DNT		003	+1.99	003	003				4048	460SI	04/03 RFO
		6.53	177	1	DNT		004	-3.24	004	004				4048	460SI	04/03 RFO
136	29	0.26	80	2	VOL		015	+0.50	015	015				4016	460SI	04/03 RFO
136	74	1.76	187	1	DNT		LTS	-17.46	LTS	LTS				4026	460SI	04/03 RFO
136	76	0.72	91	2	VOL		009	-0.71	009	009				4013	460SI	04/03 RFO
136	77	0.08	70	2	SAI		012	-3.77	012	012				4026	460SI	04/03 RFO
		0.08	70	2	TWD	53	012	-3.77	012	012				4026	460SI	04/03 RFO
		0.05	95	2	SAI		011	+4.57	011	011				4026	460SI	04/03 RFO
		0.05	95	2	TWD	0	011	+4.57	011	011				4026	460SI	04/03 RFO
		0.10	87	2	SAI		011	-3.34	011	011				4026	460SI	04/03 RFO
		0.10	87	2	TWD	0	011	-3.34	011	011				4026	460SI	04/03 RFO
		0.08	83	2	SAI		011	-3.64	011	011				4026	460SI	04/03 RFO
		0.08	83	2	TWD	14	011	-3.64	011	011				4026	460SI	04/03 RFO
		0.09	83	2	SAI		011	-9.21	011	011				4026	460SI	04/03 RFO
		0.09	83	2	TWD	14	011	-9.21	011	011				4026	460SI	04/03 RFO
136	81	4.87	171	1	DNT		LTS	+1.36	LTS	LTS				4026	460SI	04/03 RFO
137	3	0.51	112	P 3	TWD	9	010	-0.73	010	010	WAR			4068	460SI	04/03 RFO
137	22	0.68	189	2	DNT		003	+2.24	003	003				4048	460SI	04/03 RFO
		0.57	195	2	DNT		003	+2.66	003	003				4048	460SI	04/03 RFO
137	24	7.15	353	1	DNT		003	+1.70	003	003				4048	460SI	04/03 RFO
		6.42	171	1	DNT		003	+4.04	003	003				4048	460SI	04/03 RFO
137	33	1.28	23	2	TEA		UTE	-0.15	UTE	UTE				2081	460HR	04/03 RFO
		0.26	83	2	SAI		013	+20.07	013	013				4023	460SI	04/03 RFO
		0.26	83	2	TWD	24	013	+20.07	013	013				4023	460SI	04/03 RFO
		0.10	83	2	TWD	24	013	+16.65	013	013				4023	460SI	04/03 RFO
		0.08	69	2	SAI		UTS	-13.58	UTS	UTS				4023	460SI	04/03 RFO
		0.08	69	2	TWD	55	UTS	-13.58	UTS	UTS				4023	460SI	04/03 RFO
		0.07	67	2	SAI		UTS	-11.08	UTS	UTS				4023	460SI	04/03 RFO
		0.07	67	2	TWD	58	UTS	-11.08	UTS	UTS				4023	460SI	04/03 RFO
		0.30	79	2	SAI		013	+12.90	013	013				4023	460SI	04/03 RFO
		0.30	79	2	TWD	34	013	+12.90	013	013				4023	460SI	04/03 RFO
		0.09	92	2	SAI		013	+14.01	013	013				4023	460SI	04/03 RFO
		0.09	92	2	TWD	0	013	+14.01	013	013				4023	460SI	04/03 RFO
		0.25	80	2	SAI		013	+16.08	013	013				4023	460SI	04/03 RFO
		0.25	80	2	TWD	32	013	+16.08	013	013				4023	460SI	04/03 RFO
		0.10	83	2	SAI		013	+16.65	013	013				4023	460SI	04/03 RFO
137	34	0.09	89	2	SAI		015	+9.71	015	015				4023	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.09	89	2	TWD	7	015	+9.71	015	015				4023		460SI	04/03 RFO
		0.14	68	2	SAI		015	+16.73	015	015				4023		460SI	04/03 RFO
		0.14	68	2	TWD	57	015	+16.73	015	015				4023		460SI	04/03 RFO
		0.13	79	2	SAI		015	+21.48	015	015				4023		460SI	04/03 RFO
		0.13	79	2	TWD	34	015	+21.48	015	015				4023		460SI	04/03 RFO
		0.21	68	2	SAI		015	+22.68	015	015				4023		460SI	04/03 RFO
		0.21	68	2	TWD	57	015	+22.68	015	015				4023		460SI	04/03 RFO
		0.14	70	2	SAI		015	+29.46	015	015				4023		460SI	04/03 RFO
		0.14	70	2	TWD	53	015	+29.46	015	015				4023		460SI	04/03 RFO
		0.20	65	2	SAI		015	+35.10	015	015				4023		460SI	04/03 RFO
		0.20	65	2	TWD	62	015	+35.10	015	015				4023		460SI	04/03 RFO
137	60	0.32	123	2	VOL		004	-0.72	004	004				4085		520SI	04/03 RFO
137	66	4.72	177	1	DNT		LTE	+3.53	LTS	LTE				4085		520SI	04/03 RFO
137	73	0.17	73	2	VOL		015	-5.44	015	015				4026		460SI	04/03 RFO
137	74	0.18	79	2	SAI		011	-10.33	011	011				4013		460SI	04/03 RFO
		0.18	79	2	TWD	14	011	-10.33	011	011				4013		460SI	04/03 RFO
		0.05	63	2	SAI		011	-20.04	011	011				4013		460SI	04/03 RFO
		0.05	63	2	TWD	48	011	-20.04	011	011				4013		460SI	04/03 RFO
		0.16	91	2	SAI		011	-12.32	011	011				4013		460SI	04/03 RFO
		0.16	91	2	TWD	1	011	-12.32	011	011				4013		460SI	04/03 RFO
		0.17	73	2	SAI		011	+8.83	011	011				4013		460SI	04/03 RFO
		0.17	73	2	TWD	28	011	+8.83	011	011				4013		460SI	04/03 RFO
		0.06	84	2	SAI		013	+7.46	013	014				4094		520SI	04/03 RFO
		0.06	84	2	TWD	29	013	+7.46	013	014				4094		520SI	04/03 RFO
		0.06	82	2	SAI		013	+11.22	013	014				4094		520SI	04/03 RFO
		0.06	82	2	TWD	33	013	+11.22	013	014				4094		520SI	04/03 RFO
		0.05	69	2	SAI		013	+22.15	013	014				4094		520SI	04/03 RFO
		0.05	69	2	TWD	57	013	+22.15	013	014				4094		520SI	04/03 RFO
138	1	0.30	66	9	PLP		015	+1.12	015	015				4068		460SI	04/03 RFO
138	3	2.61	20	2	TEA		UTE	-0.06	UTE	UTE				2091		460HR	04/03 RFO
138	4	0.06	29	2	VOL		002	-16.57	002	002				4048		460SI	04/03 RFO
138	18	0.14	79	2	VOL		LTS	+20.60	LTS	LTS				4048		460SI	04/03 RFO
138	21	7.03	168	1	DNT		003	+1.17	003	003				4048		460SI	04/03 RFO
138	35	0.42	184	2	DNT		LTS	+17.73	LTS	LTS				4023		460SI	04/03 RFO
138	43	1.50	15	2	TEA		UTE	-0.17	UTE	UTE				2056		460HR	04/03 RFO
138	44	0.13	80	2	VOL		008	-0.13	008	008				4085		520SI	04/03 RFO
138	51	2.77	26	2	TEA		UTE	-0.23	UTE	UTE				2056		460HR	04/03 RFO
138	53	1.21	16	2	TEA		UTE	-0.11	UTE	UTE				2056		460HR	04/03 RFO
138	57	1.04	17	2	TEA		UTE	-0.23	UTE	UTE				2056		460HR	04/03 RFO
138	62	2.23	23	2	TEA		UTE	-0.23	UTE	UTE				2053		460HR	04/03 RFO
138	63	4.27	20	2	TEA		UTE	-0.25	UTE	UTE				2052		460HR	04/03 RFO
138	69	0.07	75	2	SAI		014	+4.31	014	014				4013		460SI	04/03 RFO
		0.07	75	2	TWD	24	014	+4.31	014	014				4013		460SI	04/03 RFO
		0.12	66	2	SAI		011	-15.95	011	011				4013		460SI	04/03 RFO
		0.12	66	2	TWD	43	011	-15.95	011	011				4013		460SI	04/03 RFO
		0.30	78	2	VOL		009	-0.70	009	009				4013		460SI	04/03 RFO
138	70	7.51	349	P 3	DNT		008	-0.33	008	008				4094		520SI	04/03 RFO
		8.82	169	1	DNT		010	-8.91	010	010				4094		520SI	04/03 RFO
138	72	0.05	101	2	SAI		011	-2.64	011	011				4013		460SI	04/03 RFO
		0.05	101	2	TWD	1	011	-2.64	011	011				4013		460SI	04/03 RFO
		0.16	70	2	SAI		011	-12.23	011	011				4013		460SI	04/03 RFO
		0.16	70	2	TWD	34	011	-12.23	011	011				4013		460SI	04/03 RFO
		0.20	52	2	SAI		011	-7.66	011	011				4013		460SI	04/03 RFO
		0.20	52	2	TWD	68	011	-7.66	011	011				4013		460SI	04/03 RFO
138	73	0.04	69	2	SAI		011	+27.81	011	011				4013		460SI	04/03 RFO
		0.04	69	2	TWD	36	011	+27.81	011	011				4013		460SI	04/03 RFO
		0.05	74	2	SAI		011	+8.98	011	011				4013		460SI	04/03 RFO
		0.05	74	2	TWD	26	011	+8.98	011	011				4013		460SI	04/03 RFO
		0.11	108	2	SAI		011	+15.45	011	011				4013		460SI	04/03 RFO
		0.11	108	2	TWD	1	011	+15.45	011	011				4013		460SI	04/03 RFO
		0.13	98	2	SAI		011	-6.57	011	011				4013		460SI	04/03 RFO
		0.13	98	2	TWD	1	011	-6.57	011	011				4013		460SI	04/03 RFO
		0.12	57	2	SAI		011	-21.35	011	011				4013		460SI	04/03 RFO
		0.12	57	2	TWD	60	011	-21.35	011	011				4013		460SI	04/03 RFO
		0.07	76	2	SAI		011	-14.13	011	011				4013		460SI	04/03 RFO
		0.07	76	2	TWD	21	011	-14.13	011	011				4013		460SI	04/03 RFO
138	74	0.10	74	2	SAI		010	+15.27	010	010				4013		460SI	04/03 RFO
		0.10	74	2	TWD	26	010	+15.27	010	010				4013		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.08	56	2	SAI		010	+16.41	010	010				4013		460SI	04/03 RFO
		0.08	56	2	TWD	61	010	+16.41	010	010				4013		460SI	04/03 RFO
139	3	0.36	134	P 3	TWD	6	010	+0.50	010	010	WAR			4024		460SI	04/03 RFO
139	5	0.68	106	P 3	TWD	11	008	-0.37	008	008	WAR			4024		460SI	04/03 RFO
139	8	0.17	88	2	VOL		014	-2.56	014	014				4048		460SI	04/03 RFO
139	11	0.19	94	2	VOL		010	-11.86	010	010				4048		460SI	04/03 RFO
139	20	0.19	45	2	VOL		011	-4.61	011	011				4048		460SI	04/03 RFO
		0.08	77	2	VOL		012	-2.37	012	012				4048		460SI	04/03 RFO
139	24	3.67	180	1	DNT		LTS	-19.20	LTS	LTS				4023		460SI	04/03 RFO
		4.64	178	1	DNT		LTS	-19.68	LTS	LTS				4023		460SI	04/03 RFO
		4.45	175	1	DNT		LTS	-19.88	LTS	LTS				4023		460SI	04/03 RFO
		6.98	173	1	DNT		LTS	-20.35	LTS	LTS				4023		460SI	04/03 RFO
		8.41	172	1	DNT		LTS	-20.66	LTS	LTS				4023		460SI	04/03 RFO
		5.17	169	1	DNT		LTS	-21.66	LTS	LTS				4023		460SI	04/03 RFO
139	32	1.91	21	2	TEA		UTE	-0.19	UTE	UTE				2076		460HR	04/03 RFO
139	39	1.37	22	2	TEA		UTE	-0.23	UTE	UTE				2064		460HR	04/03 RFO
139	43	0.09	52	2	VOL		015	+4.66	015	015				4088		520SI	04/03 RFO
139	53	0.15	71	2	SAI		011	-10.91	011	011				4088		520SI	04/03 RFO
		0.15	71	2	TWD	52	011	-10.91	011	011				4088		520SI	04/03 RFO
		0.06	95	2	SAI		011	-1.16	011	011				4088		520SI	04/03 RFO
		0.06	95	2	TWD	0	011	-1.16	011	011				4088		520SI	04/03 RFO
		0.15	73	2	SAI		011	-11.81	011	011				4088		520SI	04/03 RFO
		0.15	73	2	TWD	47	011	-11.81	011	011				4088		520SI	04/03 RFO
139	57	0.20	73	P 3	TWD	2	015	+0.37	015	015	WAR			4088		520SI	04/03 RFO
139	58	0.16	72	2	SAI		012	+8.75	012	012				4088		520SI	04/03 RFO
		0.16	72	2	TWD	50	012	+8.75	012	012				4088		520SI	04/03 RFO
		0.19	71	2	SAI		012	+10.06	012	012				4088		520SI	04/03 RFO
		0.19	71	2	TWD	52	012	+10.06	012	012				4088		520SI	04/03 RFO
139	59	0.18	72	2	SAI		011	-12.53	011	011				4088		520SI	04/03 RFO
		0.18	72	2	TWD	50	011	-12.53	011	011				4088		520SI	04/03 RFO
		0.23	75	2	SAI		011	-10.68	011	011				4088		520SI	04/03 RFO
		0.23	75	2	TWD	41	011	-10.68	011	011				4088		520SI	04/03 RFO
		0.19	73	2	SAI		011	-7.85	011	011				4088		520SI	04/03 RFO
		0.19	73	2	TWD	47	011	-7.85	011	011				4088		520SI	04/03 RFO
		0.13	60	2	SAI		011	-6.22	011	011				4088		520SI	04/03 RFO
		0.13	60	2	TWD	73	011	-6.22	011	011				4088		520SI	04/03 RFO
		0.10	62	2	SAI		011	-5.10	011	011				4088		520SI	04/03 RFO
		0.10	62	2	TWD	70	011	-5.10	011	011				4088		520SI	04/03 RFO
139	60	0.18	55	2	SAI		011	-9.20	011	011				4088		520SI	04/03 RFO
		0.18	55	2	TWD	80	011	-9.20	011	011				4088		520SI	04/03 RFO
139	63	0.05	91	2	SAI		015	-7.52	015	015				4088		520SI	04/03 RFO
		0.05	91	2	TWD	0	015	-7.52	015	015				4088		520SI	04/03 RFO
		0.07	93	2	SAI		015	-8.78	015	015				4088		520SI	04/03 RFO
		0.07	93	2	TWD	0	015	-8.78	015	015				4088		520SI	04/03 RFO
		0.05	110	2	SAI		015	-9.85	015	015				4088		520SI	04/03 RFO
		0.05	110	2	TWD	0	015	-9.85	015	015				4088		520SI	04/03 RFO
		0.08	90	2	SAI		015	-11.07	015	015				4088		520SI	04/03 RFO
		0.08	90	2	TWD	0	015	-11.07	015	015				4088		520SI	04/03 RFO
		0.10	91	2	SAI		015	-12.19	015	015				4088		520SI	04/03 RFO
		0.10	91	2	TWD	0	015	-12.19	015	015				4088		520SI	04/03 RFO
		0.08	98	2	SAI		015	-14.01	015	015				4088		520SI	04/03 RFO
		0.08	98	2	TWD	0	015	-14.01	015	015				4088		520SI	04/03 RFO
		0.11	86	2	SAI		015	-15.66	015	015				4088		520SI	04/03 RFO
		0.11	86	2	TWD	0	015	-15.66	015	015				4088		520SI	04/03 RFO
		0.13	99	2	SAI		011	+16.84	011	011				4088		520SI	04/03 RFO
		0.13	99	2	TWD	0	011	+16.84	011	011				4088		520SI	04/03 RFO
		0.16	87	2	SAI		011	+12.94	011	011				4088		520SI	04/03 RFO
		0.16	87	2	TWD	0	011	+12.94	011	011				4088		520SI	04/03 RFO
		0.13	79	2	SAI		011	+11.63	011	011				4088		520SI	04/03 RFO
		0.13	79	2	TWD	27	011	+11.63	011	011				4088		520SI	04/03 RFO
		0.09	99	2	SAI		011	+10.26	011	011				4088		520SI	04/03 RFO
		0.09	99	2	TWD	0	011	+10.26	011	011				4088		520SI	04/03 RFO
		0.11	87	2	SAI		011	+7.38	011	011				4088		520SI	04/03 RFO
		0.11	87	2	TWD	0	011	+7.38	011	011				4088		520SI	04/03 RFO
		0.11	96	2	SAI		011	-5.38	011	011				4088		520SI	04/03 RFO
		0.11	96	2	TWD	0	011	-5.38	011	011				4088		520SI	04/03 RFO
		0.08	74	2	SAI		011	-6.57	011	011				4088		520SI	04/03 RFO
		0.08	74	2	TWD	44	011	-6.57	011	011				4088		520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
139	64	0.10	70	2	SAI	011	-8.89	011	011					4088	520SI	04/03 RFO
		0.10	70	2	TWD	55	011	011	011					4088	520SI	04/03 RFO
		0.09	72	2	SAI	011	-9.94	011	011					4088	520SI	04/03 RFO
		0.09	72	2	TWD	50	011	011	011					4088	520SI	04/03 RFO
		0.23	72	2	SAI	012	+6.06	012	012					4088	520SI	04/03 RFO
		0.23	72	2	TWD	50	012	012	012					4088	520SI	04/03 RFO
		0.11	52	2	SAI	010	+16.49	011	010					4088	520SI	04/03 RFO
		0.11	52	2	TWD	83	010	011	010					4088	520SI	04/03 RFO
		0.09	55	2	SAI	010	+15.34	011	010					4088	520SI	04/03 RFO
		0.09	55	2	TWD	80	010	011	010					4088	520SI	04/03 RFO
		0.10	95	2	SAI	010	+14.05	011	010					4088	520SI	04/03 RFO
		0.10	95	2	TWD	0	010	011	010					4088	520SI	04/03 RFO
		0.10	104	2	SAI	010	+13.17	011	010					4088	520SI	04/03 RFO
		0.10	104	2	TWD	0	010	011	010					4088	520SI	04/03 RFO
		0.12	99	2	SAI	010	+11.98	011	010					4088	520SI	04/03 RFO
		0.12	99	2	TWD	0	010	011	010					4088	520SI	04/03 RFO
		0.06	110	2	SAI	010	+10.76	011	010					4088	520SI	04/03 RFO
		0.06	110	2	TWD	0	010	011	010					4088	520SI	04/03 RFO
		0.07	94	2	SAI	010	+8.59	011	010					4088	520SI	04/03 RFO
		0.07	94	2	TWD	0	010	011	010					4088	520SI	04/03 RFO
139	65	0.08	75	2	SAI	010	+7.08	011	010					4088	520SI	04/03 RFO
		0.08	75	2	TWD	41	010	011	010					4088	520SI	04/03 RFO
		2.98	1	1	DNT	LTS	-17.90	LTS	LTS					4094	520SI	04/03 RFO
139	66	0.14	75	2	SAI	011	-12.80	011	011					4013	460SI	04/03 RFO
		0.14	75	2	TWD	24	011	011	011					4013	460SI	04/03 RFO
139	71	1.80	13	2	TEA	UTE	-0.24	UTE	UTE					2009	460HR	04/03 RFO
139	73	0.12	78	2	SAI	011	-3.02	011	011					4013	460SI	04/03 RFO
		0.12	78	2	TWD	17	011	011	011					4013	460SI	04/03 RFO
		0.36	67	2	SAI	011	-11.34	011	011					4013	460SI	04/03 RFO
		0.36	67	2	TWD	41	011	011	011					4013	460SI	04/03 RFO
		0.18	62	2	SAI	011	-23.71	011	011					4013	460SI	04/03 RFO
		0.18	62	2	TWD	50	011	011	011					4013	460SI	04/03 RFO
		0.12	80	2	SAI	011	-15.42	011	011					4013	460SI	04/03 RFO
		0.12	80	2	TWD	12	011	011	011					4013	460SI	04/03 RFO
		0.14	73	2	SAI	011	-7.88	011	011					4013	460SI	04/03 RFO
		0.14	73	2	TWD	28	011	011	011					4013	460SI	04/03 RFO
		0.13	76	2	SAI	011	-5.95	011	011					4013	460SI	04/03 RFO
		0.13	76	2	TWD	21	011	011	011					4013	460SI	04/03 RFO
		0.14	102	2	SAI	012	+17.77	012	012					4013	460SI	04/03 RFO
		0.14	102	2	TWD	1	012	012	012					4013	460SI	04/03 RFO
		0.07	105	2	SAI	012	+23.47	012	012					4013	460SI	04/03 RFO
		0.07	105	2	TWD	1	012	012	012					4013	460SI	04/03 RFO
		0.16	66	2	SAI	011	+18.20	011	011					4013	460SI	04/03 RFO
		0.16	66	2	TWD	43	011	011	011					4013	460SI	04/03 RFO
		0.12	107	2	SAI	011	+4.30	011	011					4013	460SI	04/03 RFO
140	1	0.12	107	2	TWD	1	011	011	011					4013	460SI	04/03 RFO
		0.12	86	2	SAI	011	+15.40	011	011					4013	460SI	04/03 RFO
		0.12	86	2	TWD	1	011	011	011					4013	460SI	04/03 RFO
		0.09	76	2	SAI	011	-22.55	011	011					4013	460SI	04/03 RFO
		0.09	76	2	TWD	21	011	011	011					4013	460SI	04/03 RFO
		0.15	66	2	SAI	013	-5.40	013	013					4013	460SI	04/03 RFO
		0.15	66	2	TWD	43	013	013	013					4013	460SI	04/03 RFO
		0.08	77	2	SAI	012	+5.88	012	012					4013	460SI	04/03 RFO
		0.09	78	2	TWD	17	012	012	012					4013	460SI	04/03 RFO
		0.45	109	P 3	TWD	9	011	011	011	WAR				4024	460SI	04/03 RFO
		1.14	135	P 3	TWD	18	012	012	012	WAR				4024	460SI	04/03 RFO
140	3	1.00	93	P 3	TWD	16	010	010	010	WAR				4024	460SI	04/03 RFO
140	5	0.57	152	P 3	TWD	10	009	009	009	WAR				4024	460SI	04/03 RFO
140	29	0.11	61	2	SAI	UTS	-2.52	UTS	UTS					4021	460SI	04/03 RFO
140	30	0.11	61	2	TWD	72	UTS	UTS	UTS					4021	460SI	04/03 RFO
		1.06	20	2	TEA	UTE	-0.18	UTE	UTE					2076	460HR	04/03 RFO
140	31	1.55	17	2	TEA	UTE	-0.13	UTE	UTE					2077	460HR	04/03 RFO
140	42	1.11	16	2	TEA	UTE	-0.22	UTE	UTE					2064	460HR	04/03 RFO
140	45	0.21	37	2	SAI	004	+6.32	004	004					4088	520SI	04/03 RFO
140	56	0.21	37	2	TWD	96	004	004	004					4088	520SI	04/03 RFO
		1.12	13	2	TEA	UTE	-0.06	UTE	UTE					2064	460HR	04/03 RFO
140	59	0.41	72	P 3	TWD	5	015	015	015	WAR				4088	520SI	04/03 RFO
140	71	9.09	170	1	DNT	LTS	+1.24	LTS	LTS					4108	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
141 1		0.67	83	P 3	TWD 14	014	-0.47	014	014	WAR				4108	520SI	04/03 RFO
141 28		1.52	77	P 3	TWD 23	014	-0.79	014	014	WAR				4024	460SI	04/03 RFO
		0.11	70	2	SAI	013	-11.74	013	013					4016	460SI	04/03 RFO
		0.11	70	2	TWD 58	013	-11.74	013	013					4016	460SI	04/03 RFO
		0.27	70	2	SAI	013	-9.71	013	013					4016	460SI	04/03 RFO
		0.27	70	2	TWD 58	013	-9.71	013	013					4016	460SI	04/03 RFO
		0.20	68	2	SAI	013	-2.54	013	013					4016	460SI	04/03 RFO
		0.20	68	2	TWD 62	013	-2.54	013	013					4016	460SI	04/03 RFO
141 46		0.11	39	2	VOL	001	+2.02	001	001					4088	520SI	04/03 RFO
141 55		0.19	58	P 3	TWD 2	015	+0.42	015	015	WAR				4088	520SI	04/03 RFO
141 58		0.19	76	2	SAI	013	+3.19	013	013					4088	520SI	04/03 RFO
		0.19	76	2	TWD 38	013	+3.19	013	013					4088	520SI	04/03 RFO
		0.19	61	2	SAI	013	-2.63	013	013					4088	520SI	04/03 RFO
		0.19	61	2	TWD 72	013	-2.63	013	013					4088	520SI	04/03 RFO
		0.19	79	2	SAI	013	-8.89	013	013					4088	520SI	04/03 RFO
		0.19	79	2	TWD 27	013	-8.89	013	013					4088	520SI	04/03 RFO
		0.15	68	2	SAI	013	-11.11	013	013					4088	520SI	04/03 RFO
		0.15	68	2	TWD 59	013	-11.11	013	013					4088	520SI	04/03 RFO
		0.21	74	2	SAI	013	-15.39	013	013					4088	520SI	04/03 RFO
		0.21	74	2	TWD 44	013	-15.39	013	013					4088	520SI	04/03 RFO
		0.24	72	2	SAI	013	-16.75	013	013					4088	520SI	04/03 RFO
		0.24	72	2	TWD 50	013	-16.75	013	013					4088	520SI	04/03 RFO
		0.15	74	2	SAI	013	-23.53	013	013					4088	520SI	04/03 RFO
		0.15	74	2	TWD 44	013	-23.53	013	013					4088	520SI	04/03 RFO
		0.20	77	2	SAI	013	-26.55	013	013					4088	520SI	04/03 RFO
		0.20	77	2	TWD 35	013	-26.55	013	013					4088	520SI	04/03 RFO
		0.20	74	2	SAI	011	-7.93	011	011					4088	520SI	04/03 RFO
		0.20	74	2	TWD 44	011	-7.93	011	011					4088	520SI	04/03 RFO
		0.15	70	2	SAI	011	-4.74	011	011					4088	520SI	04/03 RFO
		0.15	70	2	TWD 55	011	-4.74	011	011					4088	520SI	04/03 RFO
		0.23	73	2	SAI	011	-12.36	011	011					4088	520SI	04/03 RFO
		0.23	73	2	TWD 47	011	-12.36	011	011					4088	520SI	04/03 RFO
		0.21	73	2	SAI	011	-13.41	011	011					4088	520SI	04/03 RFO
		0.21	73	2	TWD 47	011	-13.41	011	011					4088	520SI	04/03 RFO
141 59		0.44	97	P 3	TWD 5	008	-0.58	008	008	WAR				4088	520SI	04/03 RFO
141 62		0.15	63	2	SAI	011	+30.47	012	011					4013	460SI	04/03 RFO
		0.15	63	2	TWD 48	011	+30.47	012	011					4013	460SI	04/03 RFO
		0.16	74	2	SAI	011	+26.53	012	011					4013	460SI	04/03 RFO
		0.16	74	2	TWD 26	011	+26.53	012	011					4013	460SI	04/03 RFO
		0.06	62	2	SAI	011	+8.04	012	011					4013	460SI	04/03 RFO
		0.06	62	2	TWD 50	011	+8.04	012	011					4013	460SI	04/03 RFO
		0.09	56	2	SAI	011	-3.88	011	011					4013	460SI	04/03 RFO
		0.09	56	2	TWD 61	011	-3.88	011	011					4013	460SI	04/03 RFO
		0.19	84	2	SAI	011	-12.79	011	011					4013	460SI	04/03 RFO
		0.19	84	2	TWD 2	011	-12.79	011	011					4013	460SI	04/03 RFO
		0.12	63	2	SAI	011	-16.88	011	011					4013	460SI	04/03 RFO
		0.12	63	2	TWD 48	011	-16.88	011	011					4013	460SI	04/03 RFO
141 68		0.12	77	2	SAI	011	-15.97	011	011					4108	520SI	04/03 RFO
		0.12	77	2	TWD 45	011	-15.97	011	011					4108	520SI	04/03 RFO
		0.10	64	2	SAI	011	-8.35	011	011					4108	520SI	04/03 RFO
		0.10	64	2	TWD 68	011	-8.35	011	011					4108	520SI	04/03 RFO
		0.10	61	2	SAI	011	-13.72	011	011					4108	520SI	04/03 RFO
		0.10	61	2	TWD 72	011	-13.72	011	011					4108	520SI	04/03 RFO
		0.09	68	2	SAI	013	-4.57	013	013					4108	520SI	04/03 RFO
		0.09	68	2	TWD 62	013	-4.57	013	013					4108	520SI	04/03 RFO
		0.11	100	2	SAI	013	+2.18	013	013					4108	520SI	04/03 RFO
		0.10	91	2	TWD 0	013	+2.18	013	013					4108	520SI	04/03 RFO
		0.05	104	2	SAI	013	+11.09	013	013					4108	520SI	04/03 RFO
		0.05	104	2	TWD 1	013	+11.09	013	013					4108	520SI	04/03 RFO
		0.08	94	2	TWD 1	012	+2.94	013	012					4026	460SI	04/03 RFO
		0.08	78	2	SAI	012	+31.67	013	012					4026	460SI	04/03 RFO
		0.08	78	2	TWD 2	012	+31.67	013	012					4026	460SI	04/03 RFO
		0.09	99	2	SAI	012	+4.23	013	012					4026	460SI	04/03 RFO
		0.09	99	2	TWD 2	012	+4.23	013	012					4026	460SI	04/03 RFO
		0.09	71	2	SAI	012	+23.57	013	012					4026	460SI	04/03 RFO
		0.09	71	2	TWD 46	012	+23.57	013	012					4026	460SI	04/03 RFO
		0.26	77	2	SAI	012	+2.94	013	012					4026	460SI	04/03 RFO
		0.08	71	2	SAI	012	+25.55	012	012					4026	460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.08	71	2	TWD	46	012	+25.55	012	012				4026		460SI	04/03 RFO
		0.08	84	2	SAI		012	+26.63	012	012				4026		460SI	04/03 RFO
		0.08	84	2	TWD	1	012	+26.63	012	012				4026		460SI	04/03 RFO
		0.07	60	2	TWD	75	012	+33.37	012	012				4026		460SI	04/03 RFO
		0.09	49	2	SAI		012	+33.37	012	012				4026		460SI	04/03 RFO
		1.86	164	1	DNT		LTE	+4.05	LTS	LTE				4026		460SI	04/03 RFO
142	1	0.82	101	P 3	TWD	13	014	-0.65	014	014	WAR			4024		460SI	04/03 RFO
142	8	1.01	69	P 3	TWD	16	008	-0.54	008	008	WAR			4024		460SI	04/03 RFO
142	12	0.14	142	2	VOL		014	+0.19	014	014				4024		460SI	04/03 RFO
142	21	0.37	34	2	SAI		UTE	-0.45	UTE	UTE	CL/CS			2077		460HR	04/03 RFO
		0.37	34	2	TWD	100	UTE	-0.45	UTE	UTE				2077		460HR	04/03 RFO
142	32	0.92	86	1	VOL		UTS	+19.83	UTS	UTS				4082		520SI	04/03 RFO
142	40	0.10	62	2	VOL		013	+1.58	013	013				4082		520SI	04/03 RFO
142	41	0.25	58	2	VOL		014	-7.10	014	014				4082		520SI	04/03 RFO
142	53	0.28	98	P 3	TWD	3	008	-0.70	008	008	WAR			4088		520SI	04/03 RFO
142	54	0.47	61	P 3	TWD	5	015	+0.37	015	015	WAR			4088		520SI	04/03 RFO
142	62	0.29	59	2	SAI		013	-25.96	013	013				4013		460SI	04/03 RFO
		0.29	59	2	TWD	56	013	-25.96	013	013				4013		460SI	04/03 RFO
		0.37	45	2	SAI		013	-14.63	013	013				4013		460SI	04/03 RFO
		0.37	45	2	TWD	80	013	-14.63	013	013				4013		460SI	04/03 RFO
		0.28	60	2	SAI		013	-20.15	013	013				4013		460SI	04/03 RFO
		0.28	60	2	TWD	54	013	-20.15	013	013				4013		460SI	04/03 RFO
		0.27	52	2	SAI		012	-3.48	012	012				4013		460SI	04/03 RFO
		0.27	52	2	TWD	68	012	-3.48	012	012				4013		460SI	04/03 RFO
		0.32	64	2	SAI		012	-9.72	012	012				4013		460SI	04/03 RFO
		0.33	65	2	TWD	45	012	-9.72	012	012				4013		460SI	04/03 RFO
		0.13	88	2	SAI		012	-15.28	012	012				4013		460SI	04/03 RFO
		0.13	88	2	TWD	1	012	-15.28	012	012				4013		460SI	04/03 RFO
		0.15	46	2	SAI		011	-11.64	011	011				4013		460SI	04/03 RFO
		0.15	46	2	TWD	78	011	-11.64	011	011				4013		460SI	04/03 RFO
		0.05	66	2	SAI		011	-3.42	011	011				4013		460SI	04/03 RFO
		0.05	66	2	TWD	43	011	-3.42	011	011				4013		460SI	04/03 RFO
143	3	0.64	134	P 3	TWD	13	014	-0.73	014	014	WAR			4048		460SI	04/03 RFO
143	8	0.65	112	P 3	TWD	13	008	+0.60	008	008	WAR			4024		460SI	04/03 RFO
143	11	0.22	154	2	VOL		008	-0.75	008	008				4048		460SI	04/03 RFO
143	14	0.62	156	P 3	TWD	10	008	-0.64	008	008	WAR			4024		460SI	04/03 RFO
143	15	0.52	128	P 3	TWD	9	008	-0.70	008	008	WAR			4024		460SI	04/03 RFO
143	27	1.20	22	2	TEA		UTE	-0.20	UTE	UTE				2076		460HR	04/03 RFO
		0.08	74	2	VOL		013	+12.59	013	013				4016		460SI	04/03 RFO
		0.09	76	2	VOL		013	+17.24	013	013				4016		460SI	04/03 RFO
143	38	0.25	62	2	VOL		004	-17.32	004	004				4088		520SI	04/03 RFO
143	43	0.30	66	2	SAI		012	-9.89	012	012				4088		520SI	04/03 RFO
		0.30	66	2	TWD	63	012	-9.89	012	012				4088		520SI	04/03 RFO
		0.30	65	2	SAI		012	-8.30	012	012				4088		520SI	04/03 RFO
		0.30	65	2	TWD	65	012	-8.30	012	012				4088		520SI	04/03 RFO
		0.27	61	2	SAI		012	-6.99	012	012				4088		520SI	04/03 RFO
		0.27	61	2	TWD	72	012	-6.99	012	012				4088		520SI	04/03 RFO
143	49	0.05	79	2	VOL		013	+1.32	013	013				4088		520SI	04/03 RFO
		1.24	5	2	SAI		003	-1.87	003	003				4088		520SI	04/03 RFO
		0.84	12	2	TWD	40	003	-1.87	003	003				4088		520SI	04/03 RFO
143	59	0.18	73	2	SAI		012	-14.50	012	012				4013		460SI	04/03 RFO
		0.18	73	2	TWD	28	012	-14.50	012	012				4013		460SI	04/03 RFO
		0.12	88	2	SAI		012	-26.10	012	012				4013		460SI	04/03 RFO
		0.12	88	2	TWD	1	012	-26.10	012	012				4013		460SI	04/03 RFO
		0.06	69	2	SAI		011	-3.89	011	011				4013		460SI	04/03 RFO
		0.06	69	2	TWD	36	011	-3.89	011	011				4013		460SI	04/03 RFO
		0.23	79	2	SAI		011	-14.69	011	011				4013		460SI	04/03 RFO
		0.23	79	2	TWD	14	011	-14.69	011	011				4013		460SI	04/03 RFO
		0.21	61	2	SAI		011	-20.51	011	011				4013		460SI	04/03 RFO
		0.21	61	2	TWD	52	011	-20.51	011	011				4013		460SI	04/03 RFO
		0.12	73	2	SAI		011	-25.51	011	011				4013		460SI	04/03 RFO
		0.12	73	2	TWD	28	011	-25.51	011	011				4013		460SI	04/03 RFO
		0.06	62	2	SAI		013	-24.54	013	013				4013		460SI	04/03 RFO
		0.06	62	2	TWD	50	013	-24.54	013	013				4013		460SI	04/03 RFO
		0.10	29	2	SAI		013	-8.00	013	013				4013		460SI	04/03 RFO
		0.10	29	2	TWD	95	013	-8.00	013	013				4013		460SI	04/03 RFO
		0.06	78	2	SAI		013	-3.73	013	013				4013		460SI	04/03 RFO
		0.06	78	2	TWD	17	013	-3.73	013	013				4013		460SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
143	60	0.18	79	2	SAI		012	-3.83	012	012				4013	460SI	04/03 RFO
		0.18	79	2	TWD	14	012	-3.83	012	012				4013	460SI	04/03 RFO
		0.08	44	2	SAI		011	-4.57	011	011				4013	460SI	04/03 RFO
		0.08	44	2	TWD	81	011	-4.57	011	011				4013	460SI	04/03 RFO
		0.12	84	2	SAI		011	-12.24	011	011				4013	460SI	04/03 RFO
		0.12	84	2	TWD	2	011	-12.24	011	011				4013	460SI	04/03 RFO
143	62	0.16	78	2	SAI		011	-16.55	011	011				4013	460SI	04/03 RFO
		0.16	78	2	TWD	17	011	-16.55	011	011				4013	460SI	04/03 RFO
		0.05	79	2	TWD	1	013	-15.14	013	013				4026	460SI	04/03 RFO
		0.12	103	2	SAI		013	-15.14	013	013				4026	460SI	04/03 RFO
		0.06	77	2	SAI		012	-5.65	012	012				4026	460SI	04/03 RFO
		0.06	77	2	TWD	11	012	-5.65	012	012				4026	460SI	04/03 RFO
144	6	0.04	90	2	SAI		012	-4.62	012	012				4026	460SI	04/03 RFO
		0.04	90	2	TWD	1	012	-4.62	012	012				4026	460SI	04/03 RFO
		0.46	151	P	3	TWD	8	008	-0.77	008	008	WAR		4024	460SI	04/03 RFO
		0.14	74	2	VOL		008	+19.57	008	008				4048	460SI	04/03 RFO
		0.10	58	2	VOL		011	+19.20	011	011				4043	460SI	04/03 RFO
		0.12	61	2	SAI		012	-3.04	012	012				4021	460SI	04/03 RFO
144	23	0.12	61	2	TWD	72	012	-3.04	012	012				4021	460SI	04/03 RFO
		1.97	23	2	TEA		UTE	-0.18	UTE	UTE				2076	460HR	04/03 RFO
		1.50	21	2	TEA		UTE	-0.21	UTE	UTE				2076	460HR	04/03 RFO
		0.19	79	2	VOL		013	+0.87	013	013				4088	520SI	04/03 RFO
		15.24	181	1	DNT		003	+2.16	003	003				4091	460SI	04/03 RFO
					OBS		003	+0.00	003	003				4088	520SI	04/03 RFO
144	49	0.57	77	P	3	TWD	6	008	-0.45	008	008	WAR		4088	520SI	04/03 RFO
		0.13	57	2	MAI		015	-6.97	015	015				4088	520SI	04/03 RFO
		0.13	57	2	TWD	77	015	-6.97	015	015				4088	520SI	04/03 RFO
		0.27	68	2	SAI		015	-9.80	015	015				4088	520SI	04/03 RFO
		0.27	68	2	TWD	59	015	-9.80	015	015				4088	520SI	04/03 RFO
		0.16	68	2	SAI		015	-12.78	015	015				4088	520SI	04/03 RFO
144	53	0.16	68	2	TWD	59	015	-12.78	015	015				4088	520SI	04/03 RFO
		0.14	74	2	SAI		013	-11.23	013	013				4088	520SI	04/03 RFO
		0.14	74	2	TWD	44	013	-11.23	013	013				4088	520SI	04/03 RFO
		0.17	80	2	SAI		013	-15.69	013	013				4088	520SI	04/03 RFO
		0.17	80	2	TWD	23	013	-15.69	013	013				4088	520SI	04/03 RFO
		0.12	71	2	SAI		013	-17.55	013	013				4088	520SI	04/03 RFO
144	56	0.12	71	2	TWD	52	013	-17.55	013	013				4088	520SI	04/03 RFO
		0.13	74	2	SAI		011	-3.79	011	011				4088	520SI	04/03 RFO
		0.13	74	2	TWD	44	011	-3.79	011	011				4088	520SI	04/03 RFO
		0.21	67	2	TWD	61	011	-6.68	011	011				4088	520SI	04/03 RFO
		0.21	67	2	MAI		011	-6.68	011	011				4088	520SI	04/03 RFO
		0.18	70	2	SAI		011	-9.36	011	011				4088	520SI	04/03 RFO
144	56	0.18	70	2	TWD	55	011	-9.36	011	011				4088	520SI	04/03 RFO
		0.11	75	2	SAI		011	-11.37	011	011				4088	520SI	04/03 RFO
		0.11	75	2	TWD	41	011	-11.37	011	011				4088	520SI	04/03 RFO
		0.17	62	2	SAI		011	-15.28	011	011				4088	520SI	04/03 RFO
		0.17	62	2	TWD	70	011	-15.28	011	011				4088	520SI	04/03 RFO
		0.10	64	2	SAI		011	+18.32	011	011				4088	520SI	04/03 RFO
144	56	0.10	64	2	TWD	67	011	+18.32	011	011				4088	520SI	04/03 RFO
		0.17	49	2	SAI		011	+15.66	011	011				4088	520SI	04/03 RFO
		0.17	49	2	TWD	86	011	+15.66	011	011				4088	520SI	04/03 RFO
		0.17	58	2	SAI		011	+18.35	011	011				4088	520SI	04/03 RFO
		0.17	58	2	TWD	76	011	+18.35	011	011				4088	520SI	04/03 RFO
		0.11	37	2	SAI		010	-2.44	010	010				4088	520SI	04/03 RFO
144	56	0.12	70	2	TWD	55	010	-2.44	010	010				4088	520SI	04/03 RFO
		0.08	69	2	SAI		010	-13.47	010	010				4088	520SI	04/03 RFO
		0.08	69	2	TWD	57	010	-13.47	010	010				4088	520SI	04/03 RFO
		0.17	112	2	VOL		008	+0.30	008	008				4088	520SI	04/03 RFO
		0.07	66	2	SAI		011	-6.64	011	011				4094	520SI	04/03 RFO
		0.07	66	2	TWD	62	011	-6.64	011	011				4094	520SI	04/03 RFO
144	56	0.10	75	2	SAI		011	-8.65	011	011				4094	520SI	04/03 RFO
		0.10	75	2	TWD	47	011	-8.65	011	011				4094	520SI	04/03 RFO
		0.15	79	2	SAI		011	-14.49	011	011				4094	520SI	04/03 RFO
		0.15	79	2	TWD	39	011	-14.49	011	011				4094	520SI	04/03 RFO
		0.14	75	2	SAI		011	-16.75	011	011				4094	520SI	04/03 RFO
		0.14	75	2	TWD	47	011	-16.75	011	011				4094	520SI	04/03 RFO
144	56	0.06	72	2	SAI		011	-20.23	011	011				4094	520SI	04/03 RFO
		0.06	72	2	TWD	52	011	-20.23	011	011				4094	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.03	95	2	SAI		011	-23.64	011	011				4094	520SI	04/03 RFO
		0.03	95	2	TWD	0	011	-23.64	011	011				4094	520SI	04/03 RFO
		0.15	65	2	SAI		015	-4.64	015	015				4013	460SI	04/03 RFO
		0.15	65	2	TWD	45	015	-4.64	015	015				4013	460SI	04/03 RFO
		0.06	68	2	SAI		011	+29.61	012	011				4013	460SI	04/03 RFO
		0.06	68	2	TWD	39	011	+29.61	012	011				4013	460SI	04/03 RFO
		0.14	81	2	SAI		011	+19.72	012	011				4013	460SI	04/03 RFO
		0.14	81	2	TWD	10	011	+19.72	012	011				4013	460SI	04/03 RFO
		0.11	68	2	SAI		011	+3.41	012	011				4013	460SI	04/03 RFO
		0.11	68	2	TWD	39	011	+3.41	012	011				4013	460SI	04/03 RFO
		0.11	41	2	SAI		011	+32.69	012	011				4013	460SI	04/03 RFO
		0.11	41	2	TWD	86	011	+32.69	012	011				4013	460SI	04/03 RFO
145	1	1.12	144	P 3	TWD	18	013	-0.75	013	013	WAR			4024	460SI	04/03 RFO
145	3	0.19	87	2	VOL		010	+5.35	010	010				4048	460SI	04/03 RFO
145	8	0.23	86	2	VOL		015	-0.32	015	015				4024	460SI	04/03 RFO
145	16	0.25	74	P 3	TWD	6	008	-0.66	008	008	WAR			4016	460SI	04/03 RFO
145	21	0.16	78	2	SAI		011	-7.74	011	011				4021	460SI	04/03 RFO
		0.16	78	2	TWD	0	011	-7.74	011	011				4021	460SI	04/03 RFO
		0.10	111	2	SAI		012	-5.40	012	012				4021	460SI	04/03 RFO
		0.10	111	2	TWD	0	012	-5.40	012	012				4021	460SI	04/03 RFO
		0.16	89	2	TWD	0	012	-4.10	012	012				4021	460SI	04/03 RFO
		0.08	91	2	SAI		012	-2.79	012	012				4021	460SI	04/03 RFO
		0.08	91	2	TWD	0	012	-2.79	012	012				4021	460SI	04/03 RFO
		0.33	79	2	SAI		013	-32.93	013	013				4021	460SI	04/03 RFO
		0.33	77	2	TWD	0	013	-32.93	013	013				4021	460SI	04/03 RFO
		0.16	86	2	SAI		013	-24.38	013	013				4021	460SI	04/03 RFO
		0.17	81	2	TWD	0	013	-24.38	013	013				4021	460SI	04/03 RFO
		0.43	76	2	SAI		013	-10.50	013	013				4021	460SI	04/03 RFO
		0.43	76	2	TWD	6	013	-10.50	013	013				4021	460SI	04/03 RFO
		0.30	82	2	MAI		013	-6.30	013	013				4021	460SI	04/03 RFO
		0.30	82	2	TWD	0	013	-6.30	013	013				4021	460SI	04/03 RFO
		0.28	81	2	MAI		013	-2.70	013	013				4021	460SI	04/03 RFO
		0.28	81	2	TWD	0	013	-2.70	013	013				4021	460SI	04/03 RFO
		0.20	80	2	SAI		013	+3.39	013	013				4021	460SI	04/03 RFO
		0.20	80	2	TWD	0	013	+3.39	013	013				4021	460SI	04/03 RFO
		0.17	71	2	SAI		013	+6.09	013	013				4021	460SI	04/03 RFO
		0.17	71	2	TWD	0	013	+6.09	013	013				4021	460SI	04/03 RFO
145	23	1.46	15	2	TEA		UTE	-0.25	UTE	UTE				2077	460HR	04/03 RFO
145	24	2.24	25	2	TEA		UTE	-0.23	UTE	UTE				2076	460HR	04/03 RFO
		0.15	82	2	VOL		UTS	+3.42	UTS	UTS				4021	460SI	04/03 RFO
145	25	0.10	59	2	SAI		012	-3.84	012	012				4021	460SI	04/03 RFO
		0.10	59	2	TWD	76	012	-3.84	012	012				4021	460SI	04/03 RFO
		0.14	81	2	SAI		012	-8.96	012	012				4021	460SI	04/03 RFO
		0.14	81	2	TWD	0	012	-8.96	012	012				4021	460SI	04/03 RFO
145	29	0.28	79	2	SAI		015	-8.59	015	015				4086	520SI	04/03 RFO
		0.28	79	2	TWD	35	015	-8.59	015	015				4086	520SI	04/03 RFO
145	34	0.13	83	2	SAI		011	-8.06	011	011				4090	520SI	04/03 RFO
		0.13	83	2	TWD	4	011	-8.06	011	011				4090	520SI	04/03 RFO
145	36	0.27	65	2	VOL		014	-0.37	014	014				4090	520SI	04/03 RFO
145	47	0.59	0	P 3	TWD	12	008	+0.60	008	008	WAR			4090	520SI	04/03 RFO
145	52	0.08	94	2	VOL		013	+2.40	013	013				4090	520SI	04/03 RFO
		0.10	89	2	SAI		014	-12.92	014	014				4090	520SI	04/03 RFO
		0.10	89	2	TWD	1	014	-12.92	014	014				4090	520SI	04/03 RFO
		0.06	101	2	SAI		014	-11.48	014	014				4090	520SI	04/03 RFO
		0.06	101	2	TWD	1	014	-11.48	014	014				4090	520SI	04/03 RFO
145	54	0.18	86	2	TWD	1	011	-24.24	011	011				4090	520SI	04/03 RFO
		0.14	94	2	TWD	1	011	-11.37	011	011				4090	520SI	04/03 RFO
		0.07	79	2	TWD	28	011	-1.28	011	011				4090	520SI	04/03 RFO
		0.07	79	2	MAI		011	-1.28	011	011				4090	520SI	04/03 RFO
		0.04	66	2	MAI		011	-11.37	011	011				4090	520SI	04/03 RFO
		0.18	86	2	MAI		011	-24.24	011	011				4090	520SI	04/03 RFO
		0.07	102	2	SAI		011	+4.45	011	011				4090	520SI	04/03 RFO
		0.07	102	2	TWD	1	011	+4.45	011	011				4090	520SI	04/03 RFO
		0.13	79	2	SAI		011	+20.04	011	011				4090	520SI	04/03 RFO
		0.13	79	2	TWD	28	011	+20.04	011	011				4090	520SI	04/03 RFO
		0.12	69	2	MAI		011	+23.56	011	011				4090	520SI	04/03 RFO
		0.12	69	2	TWD	62	011	+23.56	011	011				4090	520SI	04/03 RFO
		0.08	87	2	SAI		011	+30.75	011	011				4090	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.08	87	2	TWD	1	011	+30.75	011	011				4090	520SI	04/03	RFO
		0.09	88	2	SAI		012	-2.76	012	012				4090	520SI	04/03	RFO
		0.09	88	2	TWD	1	012	-2.76	012	012				4090	520SI	04/03	RFO
		0.15	98	2	SAI		012	+9.99	012	012				4090	520SI	04/03	RFO
		0.15	98	2	TWD	1	012	+9.99	012	012				4090	520SI	04/03	RFO
		0.12	83	2	SAI		012	+15.63	012	012				4090	520SI	04/03	RFO
		0.12	83	2	TWD	4	012	+15.63	012	012				4090	520SI	04/03	RFO
		0.09	88	2	SAI		012	+17.98	012	012				4090	520SI	04/03	RFO
		0.09	88	2	TWD	1	012	+17.98	012	012				4090	520SI	04/03	RFO
		0.13	98	2	SAI		012	+8.94	012	012				4090	520SI	04/03	RFO
		0.13	98	2	TWD	1	012	+8.94	012	012				4090	520SI	04/03	RFO
		0.11	74	2	SAI		013	-14.42	013	013				4090	520SI	04/03	RFO
		0.11	74	2	TWD	48	013	-14.42	013	013				4090	520SI	04/03	RFO
		0.11	80	2	SAI		013	-12.23	013	013				4090	520SI	04/03	RFO
		0.11	80	2	TWD	23	013	-12.23	013	013				4090	520SI	04/03	RFO
		0.57	0	P	3	TWD	12	013	+0.63	013	013	WAR		4090	520SI	04/03	RFO
		0.07	65	2	SAI		013	+1.55	013	013				4090	520SI	04/03	RFO
		0.07	65	2	TWD	71	013	+1.55	013	013				4090	520SI	04/03	RFO
		0.12	65	2	SAI		014	-14.70	014	014				4090	520SI	04/03	RFO
		0.12	65	2	TWD	71	014	-14.70	014	014				4090	520SI	04/03	RFO
		0.09	97	2	SAI		015	-16.70	015	015				4090	520SI	04/03	RFO
		0.09	97	2	TWD	1	015	-16.70	015	015				4090	520SI	04/03	RFO
		0.08	101	2	SAI		015	-5.14	015	015				4090	520SI	04/03	RFO
		0.08	101	2	TWD	1	015	-5.14	015	015				4090	520SI	04/03	RFO
146	1	0.26	74	2	VOL		010	+6.88	010	010				4048	460SI	04/03	RFO
		0.23	74	2	VOL		010	+7.83	010	010				4048	460SI	04/03	RFO
		0.07	135	2	VOL		010	+3.81	010	010				4048	460SI	04/03	RFO
146	8	9.02	178	1	DNT		003	+0.67	003	003				4048	460SI	04/03	RFO
		5.06	175	1	DNT		003	+1.82	003	003				4048	460SI	04/03	RFO
		13.07	177	1	DNT		003	+2.21	003	003				4048	460SI	04/03	RFO
		8.38	173	1	DNT		003	+2.68	003	003				4048	460SI	04/03	RFO
		5.15	174	1	DNT		003	+3.30	003	003				4048	460SI	04/03	RFO
146	13	0.24	72	2	VOL		008	+0.78	008	008				4016	460SI	04/03	RFO
146	14	0.55	126	P	3	TWD	12	008	-0.70	008	008	WAR		4021	460SI	04/03	RFO
146	16	0.44	92	P	3	TWD	10	009	-0.74	009	009	WAR		4021	460SI	04/03	RFO
146	22	0.16	64	2	VOL		008	+3.68	008	008				4021	460SI	04/03	RFO
		0.15	60	2	VOL		009	+8.07	009	009				4021	460SI	04/03	RFO
146	24	1.27	24	2	TEA		UTE	-0.22	UTE	UTE				2076	460HR	04/03	RFO
146	29	0.48	114	P	3	TWD	9	008	-0.71	008	008	WAR		4086	520SI	04/03	RFO
146	34	0.24	70	2	VOL		013	-1.91	013	013				4086	520SI	04/03	RFO
146	38	1.51	17	2	TEA		UTE	-0.10	UTE	UTE				2069	460HR	04/03	RFO
146	43	10.01	352	1	DNT		003	-4.36	003	003				4090	520SI	04/03	RFO
		13.71	174	1	DNT		003	-0.84	003	003				4090	520SI	04/03	RFO
		0.66	0	P	3	TWD	14	009	+0.69	009	009	WAR		4090	520SI	04/03	RFO
146	45	14.90	2	1	DNT		004	-3.79	004	004				4090	520SI	04/03	RFO
		5.24	173	1	DNT		004	-1.36	004	004				4090	520SI	04/03	RFO
146	46	12.14	171	1	DNT		003	+3.99	003	003				4090	520SI	04/03	RFO
147	4	0.11	93	2	SAI		011	-7.84	011	011				4043	460SI	04/03	RFO
		0.11	93	2	TWD	0	011	-7.84	011	011				4043	460SI	04/03	RFO
		0.09	76	2	SAI		011	-7.54	011	011				4043	460SI	04/03	RFO
		0.09	76	2	TWD	20	011	-7.54	011	011				4043	460SI	04/03	RFO
		0.11	73	2	SAI		011	-9.69	011	011				4043	460SI	04/03	RFO
		0.11	73	2	TWD	24	011	-9.69	011	011				4043	460SI	04/03	RFO
		0.07	61	2	SAI		011	-14.07	011	011				4043	460SI	04/03	RFO
		0.07	61	2	TWD	42	011	-14.07	011	011				4043	460SI	04/03	RFO
147	5	0.15	74	2	VOL		015	+4.11	015	015				4048	460SI	04/03	RFO
147	6	0.17	51	2	VOL		011	+15.56	011	011				4048	460SI	04/03	RFO
147	11	0.34	75	P	3	TWD	8	008	+0.65	008	008	WAR		4021	460SI	04/03	RFO
147	12	0.24	158	P	3	TWD	6	010	-0.75	010	010	WAR		4021	460SI	04/03	RFO
147	17	0.12	59	2	SAI		015	+2.44	015	015				4021	460SI	04/03	RFO
		0.12	59	2	TWD	76	015	+2.44	015	015				4021	460SI	04/03	RFO
		0.15	66	2	SAI		015	+1.72	015	015				4021	460SI	04/03	RFO
		0.15	66	2	TWD	60	015	+1.72	015	015				4021	460SI	04/03	RFO
		0.12	68	2	SAI		015	-6.56	015	015				4021	460SI	04/03	RFO
		0.12	68	2	TWD	54	015	-6.56	015	015				4021	460SI	04/03	RFO
		0.14	51	2	SAI		015	-7.94	015	015				4021	460SI	04/03	RFO
		0.14	51	2	TWD	86	015	-7.94	015	015				4021	460SI	04/03	RFO
147	23	0.28	51	2	VOL		004	-2.69	004	004				4086	520SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
147 24	1.73	17	2	TEA	UTE	-0.18		UTE	UTE					2071	460HR	04/03 RFO
147 27	0.29	58	2	VOL	009	-0.11		009	009					4086	520SI	04/03 RFO
147 28	0.28	159	2	VOL	009	+0.53		009	009					4086	520SI	04/03 RFO
147 34	0.19	32	2	VOL	008	+7.19		008	008					4086	520SI	04/03 RFO
147 38	0.13	59	2	SAI	012	-2.29		012	012					4086	520SI	04/03 RFO
	0.13	59	2	TWD	76	012	-2.29	012	012					4086	520SI	04/03 RFO
	0.14	65	2	SAI	013	-17.72		013	013					4086	520SI	04/03 RFO
	0.14	65	2	TWD	67	013	-17.72	013	013					4086	520SI	04/03 RFO
	0.14	62	2	SAI	013	-15.70		013	013					4086	520SI	04/03 RFO
	0.14	62	2	TWD	72	013	-15.70	013	013					4086	520SI	04/03 RFO
	0.13	67	2	SAI	013	-14.41		013	013					4086	520SI	04/03 RFO
	0.13	67	2	TWD	64	013	-14.41	013	013					4086	520SI	04/03 RFO
	0.22	72	2	SAI	013	-4.39		013	013					4086	520SI	04/03 RFO
	0.22	72	2	TWD	54	013	-4.39	013	013					4086	520SI	04/03 RFO
	0.08	114	2	SAI	015	-12.80		015	015					4086	520SI	04/03 RFO
	0.08	114	2	TWD	0	015	-12.80	015	015					4086	520SI	04/03 RFO
	0.08	128	2	SAI	015	-10.58		015	015					4086	520SI	04/03 RFO
	0.08	128	2	TWD	0	015	-10.58	015	015					4086	520SI	04/03 RFO
	0.11	100	2	SAI	015	-9.16		015	015					4086	520SI	04/03 RFO
	0.11	100	2	TWD	0	015	-9.16	015	015					4086	520SI	04/03 RFO
147 39	0.08	105	2	SAI	013	-23.22		013	013					4090	520SI	04/03 RFO
	0.08	105	2	TWD	1	013	-23.22	013	013					4090	520SI	04/03 RFO
	0.05	90	2	SAI	013	-20.27		013	013					4090	520SI	04/03 RFO
	0.05	90	2	TWD	1	013	-20.27	013	013					4090	520SI	04/03 RFO
	0.10	39	2	SAI	013	-15.44		013	013					4090	520SI	04/03 RFO
	0.10	39	2	TWD	98	013	-15.44	013	013					4090	520SI	04/03 RFO
147 44	0.18	58	2	VOL	006	-7.14		006	006					4090	520SI	04/03 RFO
	0.22	68	2	SAI	011	-10.27		011	011					4090	520SI	04/03 RFO
	0.22	68	2	TWD	65	011	-10.27	011	011					4090	520SI	04/03 RFO
	0.14	64	2	SAI	011	-9.26		011	011					4090	520SI	04/03 RFO
	0.14	64	2	TWD	73	011	-9.26	011	011					4090	520SI	04/03 RFO
	0.20	64	2	SAI	011	-8.21		011	011					4090	520SI	04/03 RFO
	0.20	64	2	TWD	73	011	-8.21	011	011					4090	520SI	04/03 RFO
	0.06	80	2	SAI	011	-2.19		011	011					4090	520SI	04/03 RFO
	0.06	80	2	TWD	23	011	-2.19	011	011					4090	520SI	04/03 RFO
	0.17	64	2	SAI	012	-16.45		012	012					4090	520SI	04/03 RFO
	0.17	64	2	TWD	73	012	-16.45	012	012					4090	520SI	04/03 RFO
	0.13	66	2	SAI	012	-16.46		012	012					4090	520SI	04/03 RFO
	0.13	66	2	TWD	69	012	-16.46	012	012					4090	520SI	04/03 RFO
	0.14	63	2	SAI	012	-13.63		012	012					4090	520SI	04/03 RFO
	0.14	63	2	TWD	75	012	-13.63	012	012					4090	520SI	04/03 RFO
	0.11	43	2	SAI	012	-11.13		012	012					4090	520SI	04/03 RFO
	0.11	43	2	TWD	98	012	-11.13	012	012					4090	520SI	04/03 RFO
	0.10	52	2	SAI	012	-8.62		012	012					4090	520SI	04/03 RFO
	0.10	52	2	TWD	90	012	-8.62	012	012					4090	520SI	04/03 RFO
	0.10	58	2	SAI	012	-7.54		012	012					4090	520SI	04/03 RFO
	0.10	58	2	TWD	83	012	-7.54	012	012					4090	520SI	04/03 RFO
	0.13	64	2	SAI	012	-3.69		012	012					4090	520SI	04/03 RFO
	0.13	64	2	TWD	68	012	-3.69	012	012					4090	520SI	04/03 RFO
147 46	0.24	92	2	SAI	011	-2.46		011	011					4090	520SI	04/03 RFO
	0.24	92	2	TWD	1	011	-2.46	011	011					4090	520SI	04/03 RFO
	0.15	91	2	SAI	012	-4.44		012	012					4090	520SI	04/03 RFO
	0.15	91	2	TWD	1	012	-4.44	012	012					4090	520SI	04/03 RFO
	0.13	80	2	SAI	012	-2.85		012	012					4090	520SI	04/03 RFO
	0.13	80	2	TWD	23	012	-2.85	012	012					4090	520SI	04/03 RFO
148 4	0.33	131	P 3	TWD	5	014	-0.69	014	014	WAR				4024	460SI	04/03 RFO
148 10	0.48	95	P 3	TWD	11	008	+0.64	008	008	WAR				4021	460SI	04/03 RFO
148 31	0.26	73	2	MAI	012	-12.67	TO-0.56	012	012					4086	520SI	04/03 RFO
	0.26	73	2	TWD	51	012	-12.67	012	012					4086	520SI	04/03 RFO
	0.09	92	2	SAI	015	-10.02		015	015					4086	520SI	04/03 RFO
	0.09	92	2	TWD	0	015	-10.02	015	015					4086	520SI	04/03 RFO
	0.11	89	2	SAI	015	-8.89		015	015					4086	520SI	04/03 RFO
	0.11	89	2	TWD	0	015	-8.89	015	015					4086	520SI	04/03 RFO
	0.07	115	2	SAI	015	-6.70		015	015					4086	520SI	04/03 RFO
	0.07	115	2	TWD	0	015	-6.70	015	015					4086	520SI	04/03 RFO
	0.08	119	2	SAI	015	-5.63		015	015					4086	520SI	04/03 RFO
	0.08	119	2	TWD	0	015	-5.63	015	015					4086	520SI	04/03 RFO
148 40	0.10	80	2	SAI	012	-17.04		012	012					4090	520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.10	80	2	TWD	23	012	-17.04	012	012				4090	520SI	04/03	RFO
		0.13	86	2	SAI		012	-7.88	012	012				4090	520SI	04/03	RFO
		0.13	86	2	TWD	1	012	-7.88	012	012				4090	520SI	04/03	RFO
		0.14	82	2	SAI		012	-6.96	012	012				4090	520SI	04/03	RFO
		0.14	82	2	TWD	11	012	-6.96	012	012				4090	520SI	04/03	RFO
		0.19	66	2	SAI		012	-5.27	012	012				4090	520SI	04/03	RFO
		0.19	66	2	TWD	69	012	-5.27	012	012				4090	520SI	04/03	RFO
		0.14	83	2	SAI		012	-2.67	012	012				4090	520SI	04/03	RFO
		0.14	83	2	TWD	4	012	-2.67	012	012				4090	520SI	04/03	RFO
		0.12	83	2	SAI		013	-20.88	013	013				4090	520SI	04/03	RFO
		0.12	83	2	TWD	4	013	-20.88	013	013				4090	520SI	04/03	RFO
		0.06	69	2	SAI		013	-18.53	013	013				4090	520SI	04/03	RFO
		0.06	69	2	TWD	62	013	-18.53	013	013				4090	520SI	04/03	RFO
		0.18	78	2	SAI		013	-16.38	013	013				4090	520SI	04/03	RFO
		0.18	78	2	TWD	33	013	-16.38	013	013				4090	520SI	04/03	RFO
		0.15	80	2	SAI		013	-15.23	013	013				4090	520SI	04/03	RFO
		0.15	80	2	TWD	23	013	-15.23	013	013				4090	520SI	04/03	RFO
		0.11	82	2	SAI		013	-9.34	013	013				4090	520SI	04/03	RFO
		0.11	82	2	TWD	11	013	-9.34	013	013				4090	520SI	04/03	RFO
148	41	9.63	179	1	DNT		003	+4.40	003	003				4090	520SI	04/03	RFO
		0.28	83	2	SAI		012	-2.79	012	012				4090	520SI	04/03	RFO
		0.28	83	2	TWD	4	012	-2.79	012	012				4090	520SI	04/03	RFO
		0.13	70	2	SAI		012	-6.35	012	012				4090	520SI	04/03	RFO
		0.13	70	2	TWD	60	012	-6.35	012	012				4090	520SI	04/03	RFO
		0.07	99	2	SAI		012	-8.02	012	012				4090	520SI	04/03	RFO
		0.07	99	2	TWD	1	012	-8.02	012	012				4090	520SI	04/03	RFO
		0.10	74	2	SAI		012	+5.20	012	012				4090	520SI	04/03	RFO
		0.10	74	2	TWD	48	012	+5.20	012	012				4090	520SI	04/03	RFO
		0.09	80	2	SAI		012	+7.75	012	012				4090	520SI	04/03	RFO
		0.09	80	2	TWD	23	012	+7.75	012	012				4090	520SI	04/03	RFO
		0.13	56	2	SAI		015	-10.69	015	015				4090	520SI	04/03	RFO
		0.13	56	2	TWD	85	015	-10.69	015	015				4090	520SI	04/03	RFO
		0.19	56	2	SAI		015	-9.40	015	015				4090	520SI	04/03	RFO
		0.19	56	2	TWD	85	015	-9.40	015	015				4090	520SI	04/03	RFO
		0.17	56	2	SAI		015	-8.48	015	015				4090	520SI	04/03	RFO
		0.17	56	2	TWD	85	015	-8.48	015	015				4090	520SI	04/03	RFO
		0.06	92	2	SAI		015	+4.40	015	015				4090	520SI	04/03	RFO
		0.06	92	2	TWD	1	015	+4.40	015	015				4090	520SI	04/03	RFO
		0.07	77	2	SAI		015	+2.98	015	015				4090	520SI	04/03	RFO
		0.07	77	2	TWD	37	015	+2.98	015	015				4090	520SI	04/03	RFO
		0.10	21	2	SAI		015	-12.96	015	015				4090	520SI	04/03	RFO
		0.10	21	2	TWD	1	015	-12.96	015	015				4090	520SI	04/03	RFO
		0.16	70	2	SAI		015	-5.64	015	015				4090	520SI	04/03	RFO
		0.16	70	2	TWD	60	015	-5.64	015	015				4090	520SI	04/03	RFO
149	1	0.13	45	2	VOL		001	-10.44	001	001				4043	460SI	04/03	RFO
149	7	0.16	51	2	SAI		010	+16.79	010	010				4021	460SI	04/03	RFO
		0.16	51	2	TWD	86	010	+16.79	010	010				4021	460SI	04/03	RFO
		0.09	71	2	SAI		012	-18.54	012	012				4021	460SI	04/03	RFO
		0.09	71	2	TWD	41	012	-18.54	012	012				4021	460SI	04/03	RFO
		0.22	66	2	SAI		012	-17.90	012	012				4021	460SI	04/03	RFO
		0.22	66	2	TWD	60	012	-17.90	012	012				4021	460SI	04/03	RFO
149	8	0.44	147	P 3	TWD	10	009	+0.70	009	009	WAR			4021	460SI	04/03	RFO
149	15	9.53	173	1	DNT		013	+2.55	013	013				4021	460SI	04/03	RFO
149	16	0.14	131	P 3	TWD	3	010	+0.65	010	010	WAR			4021	460SI	04/03	RFO
149	19	0.10	88	2	SAI		011	-2.54	011	011				4086	520SI	04/03	RFO
		0.10	88	2	TWD	0	011	-2.54	011	011				4086	520SI	04/03	RFO
		0.12	71	2	SAI		012	-15.61	012	012				4086	520SI	04/03	RFO
		0.12	71	2	TWD	56	012	-15.61	012	012				4086	520SI	04/03	RFO
		0.21	76	2	SAI		012	-14.60	012	012				4086	520SI	04/03	RFO
		0.21	76	2	TWD	44	012	-14.60	012	012				4086	520SI	04/03	RFO
		0.10	98	2	SAI		012	-6.45	012	012				4086	520SI	04/03	RFO
		0.10	98	2	TWD	0	012	-6.45	012	012				4086	520SI	04/03	RFO
		0.13	70	2	TWD	58	012	-4.57	012	012				4086	520SI	04/03	RFO
		0.13	70	2	SAI		012	-4.57	012	012				4086	520SI	04/03	RFO
		0.18	65	2	SAI		012	-0.94	012	012				4086	520SI	04/03	RFO
		0.18	65	2	TWD	67	012	-0.94	012	012				4086	520SI	04/03	RFO
		0.09	63	2	SAI		013	-5.04	013	013				4086	520SI	04/03	RFO
		0.09	63	2	TWD	70	013	-5.04	013	013				4086	520SI	04/03	RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.19	70	2	SAI		013	-4.40	013	013				4086		520SI	04/03 RFO
		0.19	70	2	TWD	58	013	-4.40	013	013				4086		520SI	04/03 RFO
		0.07	52	2	SAI		013	-3.61	013	013				4086		520SI	04/03 RFO
		0.07	52	2	TWD	84	013	-3.61	013	013				4086		520SI	04/03 RFO
		0.09	49	2	SAI		015	-9.00	015	015				4086		520SI	04/03 RFO
		0.09	49	2	TWD	87	015	-9.00	015	015				4086		520SI	04/03 RFO
		0.12	52	2	SAI		015	-7.65	015	015				4086		520SI	04/03 RFO
		0.12	52	2	TWD	84	015	-7.65	015	015				4086		520SI	04/03 RFO
		0.14	55	2	SAI		015	-4.24	015	015				4086		520SI	04/03 RFO
		0.14	55	2	TWD	81	015	-4.24	015	015				4086		520SI	04/03 RFO
		0.12	64	2	SAI		015	-3.10	015	015				4086		520SI	04/03 RFO
		0.12	64	2	TWD	69	015	-3.10	015	015				4086		520SI	04/03 RFO
		0.10	70	2	SAI		015	-2.03	015	015				4086		520SI	04/03 RFO
		0.10	70	2	TWD	58	015	-2.03	015	015				4086		520SI	04/03 RFO
149	25	0.71	89	P 4	SVI		010	+0.37	010	010				4086		520SI	04/03 RFO
		0.71	89	P 4	TWD	11	010	+0.37	010	010				4086		520SI	04/03 RFO
		0.28	91	2	VOL		010	+14.82	010	010				4086		520SI	04/03 RFO
149	30	0.16	55	2	VOL		013	+1.33	013	013				4086		520SI	04/03 RFO
150	3	0.11	53	2	VOL		015	+18.22	015	015				4023		460SI	04/03 RFO
150	4	0.65	25	2	TEA		UTE	-0.18	UTE	UTE				2076		460HR	04/03 RFO
150	5	0.35	75	2	SAI		015	-1.57	015	015				4021		460SI	04/03 RFO
		0.35	75	2	TWD	15	015	-1.57	015	015				4021		460SI	04/03 RFO
		0.20	64	2	SAI		015	-3.19	015	015				4021		460SI	04/03 RFO
		0.20	64	2	TWD	65	015	-3.19	015	015				4021		460SI	04/03 RFO
150	8	0.50	120	P 3	TWD	11	010	+0.61	010	010	WAR			4021		460SI	04/03 RFO
150	9	0.49	65	P 3	TWD	11	010	-0.62	010	010	WAR			4021		460SI	04/03 RFO
150	12	0.48	75	P 3	TWD	11	010	-0.68	010	010	WAR			4021		460SI	04/03 RFO
		0.48	58	P 3	TWD	11	010	+0.66	010	010	WAR			4021		460SI	04/03 RFO
		0.23	73	2	SAI		011	-11.96	011	011				4021		460SI	04/03 RFO
		0.23	73	2	TWD	30	011	-11.96	011	011				4021		460SI	04/03 RFO
150	14	0.34	134	P 3	TWD	7	006	+0.68	006	006	WAR			4086		520SI	04/03 RFO
		0.49	129	P 3	TWD	10	010	+0.77	010	010	WAR			4086		520SI	04/03 RFO
150	19	0.40	130	2	VOL		011	-0.37	011	011				4086		520SI	04/03 RFO
150	20	0.10	77	2	SAI		011	-14.82	011	011				4086		520SI	04/03 RFO
		0.10	257	2	TWD	0	011	-14.82	011	011				4086		520SI	04/03 RFO
150	22	0.19	46	2	SAI		011	-18.47	011	011				4086		520SI	04/03 RFO
		0.19	46	2	TWD	90	011	-18.47	011	011				4086		520SI	04/03 RFO
		0.23	56	2	SAI		011	-14.26	011	011				4086		520SI	04/03 RFO
		0.23	56	2	TWD	80	011	-14.26	011	011				4086		520SI	04/03 RFO
		0.13	37	2	SAI		011	-8.04	011	011				4086		520SI	04/03 RFO
		0.13	37	2	TWD	97	011	-8.04	011	011				4086		520SI	04/03 RFO
		0.24	49	2	SAI		011	-1.26	011	011				4086		520SI	04/03 RFO
		0.24	49	2	TWD	87	011	-1.26	011	011				4086		520SI	04/03 RFO
		0.38	51	2	SAI		013	-3.46	013	013				4086		520SI	04/03 RFO
		0.38	51	2	TWD	85	013	-3.46	013	013				4086		520SI	04/03 RFO
150	27	0.75	27	2	SAI		UTE	-1.22	UTE	UTE	TR			2071		460HR	04/03 RFO
		0.75	27	2	TWD	81	UTE	-1.22	UTE	UTE				2071		460HR	04/03 RFO
151	3	0.55	141	P 3	TWD	12	012	-0.61	012	012	WAR			4023		460SI	04/03 RFO
151	5	1.19	37	2	SAI		UTE	-1.22	UTE	UTE	TR			2077		460HR	04/03 RFO
		1.19	37	2	TWD	100	UTE	-1.22	UTE	UTE				2077		460HR	04/03 RFO
		3.26	22	2	TEA		UTE	-0.23	UTE	UTE				2077		460HR	04/03 RFO
		0.37	109	P 3	TWD	10	012	-0.74	012	012	WAR			4023		460SI	04/03 RFO
		1.12	130	P 3	TWD	25	013	-0.61	013	013	WAR			4023		460SI	04/03 RFO
151	9	0.45	102	P 3	TWD	8	012	+0.70	012	012	WAR			4079		520SI	04/03 RFO
		0.22	87	2	SAI		013	-7.43	013	013				4079		520SI	04/03 RFO
		0.22	87	2	TWD	30	013	-7.43	013	013				4079		520SI	04/03 RFO
		0.24	71	2	SAI		013	-5.35	013	013				4079		520SI	04/03 RFO
		0.24	71	2	TWD	62	013	-5.35	013	013				4079		520SI	04/03 RFO
		0.15	81	2	SAI		015	-10.05	015	015				4079		520SI	04/03 RFO
		0.15	81	2	TWD	43	015	-10.05	015	015				4079		520SI	04/03 RFO
		0.18	85	2	SAI		015	-8.83	015	015				4079		520SI	04/03 RFO
		0.18	85	2	TWD	34	015	-8.83	015	015				4079		520SI	04/03 RFO
		0.09	88	2	SAI		015	-8.64	015	015				4079		520SI	04/03 RFO
		0.09	88	2	TWD	27	015	-8.64	015	015				4079		520SI	04/03 RFO
		0.12	96	2	SAI		015	-8.09	015	015				4079		520SI	04/03 RFO
		0.12	96	2	TWD	5	015	-8.09	015	015				4079		520SI	04/03 RFO
		0.13	78	2	SAI		015	+19.80	015	015				4079		520SI	04/03 RFO
		0.13	78	2	TWD	49	015	+19.80	015	015				4079		520SI	04/03 RFO

ATTACHMENT # 3 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.06	78	2	SAI		015	+20.28	015	015				4079	520SI	04/03 RFO
		0.06	78	2	TWD	49	015	+20.28	015	015				4079	520SI	04/03 RFO
		0.09	82	2	SAI		015	+20.60	015	015				4079	520SI	04/03 RFO
		0.09	82	2	TWD	41	015	+20.60	015	015				4079	520SI	04/03 RFO
		0.08	75	2	SAI		015	+21.44	015	015				4079	520SI	04/03 RFO
		0.08	75	2	TWD	55	015	+21.44	015	015				4079	520SI	04/03 RFO
		0.11	77	2	SAI		015	+21.77	015	015				4079	520SI	04/03 RFO
		0.11	77	2	TWD	51	015	+21.77	015	015				4079	520SI	04/03 RFO
		0.14	74	2	SAI		015	+22.09	015	015				4079	520SI	04/03 RFO
		0.14	74	2	TWD	57	015	+22.09	015	015				4079	520SI	04/03 RFO
		0.16	76	2	SAI		015	+22.42	015	015				4079	520SI	04/03 RFO
		0.16	76	2	TWD	53	015	+22.42	015	015				4079	520SI	04/03 RFO
		0.14	75	2	SAI		015	+22.96	015	015				4079	520SI	04/03 RFO
		0.14	75	2	TWD	55	015	+22.96	015	015				4079	520SI	04/03 RFO
		1.06	22	2	TEA		UTE	-0.19	UTE	UTE				2071	460HR	04/03 RFO
151	12	0.31	46	2	SAI		012	-6.23	012	012				4079	520SI	04/03 RFO
		0.31	46	2	TWD	94	012	-6.23	012	012				4079	520SI	04/03 RFO
		0.20	46	2	SAI		012	-5.39	012	012				4079	520SI	04/03 RFO
		0.20	46	2	TWD	94	012	-5.39	012	012				4079	520SI	04/03 RFO
		0.24	45	2	SAI		012	-4.08	012	012				4079	520SI	04/03 RFO
		0.24	45	2	TWD	95	012	-4.08	012	012				4079	520SI	04/03 RFO
		0.16	54	2	SAI		012	-1.82	012	012				4079	520SI	04/03 RFO
		0.16	54	2	TWD	85	012	-1.82	012	012				4079	520SI	04/03 RFO
		0.24	40	2	SAI		012	-2.02	012	012				4079	520SI	04/03 RFO
		0.24	40	2	TWD	100	012	-2.02	012	012				4079	520SI	04/03 RFO
151	14	0.27	56	2	TWD	83	012	+6.13	012	012				4079	520SI	04/03 RFO
		0.27	56	2	SAI		012	+6.13	012	012				4079	520SI	04/03 RFO
		0.77	58	P 3	TWD	14	014	+0.63	014	014	WAR			4079	520SI	04/03 RFO
		0.17	30	2	TWD	75	015	-3.06	015	015				4079	520SI	04/03 RFO
		0.17	30	2	SAI		015	-3.06	015	015				4079	520SI	04/03 RFO
		0.14	35	2	TWD	88	015	-4.41	015	015				4079	520SI	04/03 RFO
		0.14	35	2	SAI		015	-4.41	015	015				4079	520SI	04/03 RFO
151	15	0.19	96	2	VOL		013	+5.48	013	013				4079	520SI	04/03 RFO
151	16	0.50	91	2	VOL		013	+4.02	013	013				4079	520SI	04/03 RFO

Total Tubes : 1564

Total Records: 4046

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
1	1	0.46	111	2	VOL		010	-0.18		010	010			4011	460SI	04/03 RFO
1	12	0.15	41	2	SAI		011	+5.28		011	011			4028	520SI	04/03 RFO
		0.20	46	2	TWD	82	011	+5.28		011	011			4028	520SI	04/03 RFO
1	14	0.18	65	2	VOL		015	-0.44		015	015			4028	520SI	04/03 RFO
2	8	0.22	107	2	VOL		010	-3.91	TO-1.50	010	010			4011	460SI	04/03 RFO
2	9	0.41	84	2	VOL		010	-3.48	TO-1.00	010	010			4011	460SI	04/03 RFO
2	22	3.68	38	P 1	SCI		UTE	-0.08		UTE	UTS	CL		2069	460HR	04/03 RFO
		0.00	0	P 3	TWD	0	UTE	-0.08	TO+218.6	UTE	UTS			2069	460HR	04/03 RFO
		4.57	51	P 3	TWD	68	UTE	-0.08	TO+210.0	UTE	UTS			2069	460HR	04/03 RFO
		5.80	45	P 3	TWD	77	UTE	-0.08	TO+201.4	UTE	UTS			2069	460HR	04/03 RFO
		8.40	38	P 3	TWD	91	UTE	-0.08	TO+192.9	UTE	UTS			2069	460HR	04/03 RFO
		9.84	30	P 3	TWD	97	UTE	-0.08	TO+184.3	UTE	UTS			2069	460HR	04/03 RFO
		8.16	38	P 3	TWD	90	UTE	-0.08	TO+175.7	UTE	UTS			2069	460HR	04/03 RFO
		5.65	45	P 3	TWD	76	UTE	-0.08	TO+167.1	UTE	UTS			2069	460HR	04/03 RFO
		0.00	0	P 3	TWD	0	UTE	-0.08	TO+158.6	UTE	UTS			2069	460HR	04/03 RFO
3	4	2.18	177	1	DNT		LTS	-9.85		LTS	LTS			4011	460SI	04/03 RFO
		2.97	176	1	DNT		LTS	-10.67		LTS	LTS			4011	460SI	04/03 RFO
3	5	0.15	110	2	VOL		015	+17.15		015	015			4011	460SI	04/03 RFO
3	8	1.70	21	2	TEA		UTE	-0.22		UTE	UTE			2039	460HR	04/03 RFO
3	9	3.85	181	1	DNT		UTS	+0.03		UTS	UTS			4011	460SI	04/03 RFO
3	11	0.17	101	2	VOL		010	-2.40		010	010			4011	460SI	04/03 RFO
3	22	0.41	103	1	VOL		015	+18.51		015	015			4028	520SI	04/03 RFO
3	28	0.60	68	P 3	TWD	12	013	+0.64		013	013	WAR		4028	520SI	04/03 RFO
4	2	0.70	72	P 3	TWD	15	011	-0.74		011	011	WAR		4015	460SI	04/03 RFO
4	8	1.37	128	1	VOL		010	-2.34	TO-4.28	010	010			4011	460SI	04/03 RFO
4	20	0.62	106	P 3	TWD	13	009	-0.49		009	009	WAR		4028	520SI	04/03 RFO
4	35	0.33	33	P 3	TWD	7	010	+0.71		010	010	WAR		4028	520SI	04/03 RFO
5	2	0.24	80	2	VOL		010	-2.54		010	010			4019	520SI	04/03 RFO
5	5	0.10	53	2	VOL		005	-7.12		005	005			4019	520SI	04/03 RFO
5	12	1.46	19	2	TEA		UTE	-0.19		UTE	UTE			2038	460HR	04/03 RFO
5	16	1.49	33	1	VOL		010	+1.69	TO+2.32	010	010			4011	460SI	04/03 RFO
5	23	0.45	64	P 3	TWD	10	009	+0.63		009	009	WAR		4028	520SI	04/03 RFO
5	31	0.41	66	2	VOL		008	+0.69		008	008			4028	520SI	04/03 RFO
5	35	0.48	110	P 3	TWD	10	009	+0.60		009	009	WAR		4028	520SI	04/03 RFO
5	38	0.38	45	P 3	TWD	8	008	-0.47		008	008	WAR		4028	520SI	04/03 RFO
5	39	0.56	47	P 3	TWD	12	008	+0.67		008	008	WAR		4028	520SI	04/03 RFO
6	1	0.72	14	2	SAI		UTE	-1.04		UTE	UTE	TR		2029	460HR	04/03 RFO
		0.72	14	2	TWD	31	UTE	-1.04		UTE	UTE			2029	460HR	04/03 RFO
6	5	0.19	104	2	VOL		010	-1.88		010	010			4019	520SI	04/03 RFO
6	6	0.41	85	2	VOL		010	-2.50		010	010			4019	520SI	04/03 RFO
		0.16	125	2	VOL		010	-2.90		010	010			4019	520SI	04/03 RFO
6	9	16.55	174	1	DNT		010	+0.18		010	010			4019	520SI	04/03 RFO
6	10	0.10	66	2	SAI		011	-9.05		011	011			4011	460SI	04/03 RFO
		0.10	66	2	TWD	62	011	-9.05		011	011			4011	460SI	04/03 RFO
		0.06	81	2	SAI		011	-8.45		011	011			4011	460SI	04/03 RFO
		0.06	81	2	TWD	38	011	-8.45		011	011			4011	460SI	04/03 RFO
		0.12	90	2	VOL		014	+1.41		014	014			4011	460SI	04/03 RFO
		0.09	85	2	VOL		014	+1.54		014	014			4011	460SI	04/03 RFO
		0.16	70	2	SAI		015	-10.68		015	015			4011	460SI	04/03 RFO
		0.16	70	2	TWD	56	015	-10.68		015	015			4011	460SI	04/03 RFO
		0.09	70	2	SAI		015	-9.64		015	015			4011	460SI	04/03 RFO
		0.12	72	2	TWD	53	015	-9.64		015	015			4011	460SI	04/03 RFO
6	15	1.55	26	2	TEA		UTE	-0.21		UTE	UTE			2038	460HR	04/03 RFO
6	19	0.36	114	2	VOL		008	-0.72		008	008			4011	460SI	04/03 RFO
6	45	0.28	85	P 3	TWD	6	011	-0.69		011	011	WAR		4028	520SI	04/03 RFO
7	1	0.23	87	2	VOL		010	+2.27		010	010			4019	520SI	04/03 RFO
		0.13	58	2	VOL		010	+3.76		010	010			4019	520SI	04/03 RFO
7	8	0.29	81	2	VOL		010	+4.97		010	010			4019	520SI	04/03 RFO
7	10	0.57	66	P 3	TWD	12	014	-0.08		014	014	WAR		4015	460SI	04/03 RFO
7	44	0.32	83	P 3	TWD	7	011	-0.75		011	011	WAR		4028	520SI	04/03 RFO
7	45	0.19	108	P 3	TWD	4	011	-0.79		011	011	WAR		4028	520SI	04/03 RFO
7	46	0.22	85	P 3	TWD	5	011	-0.65		011	011	WAR		4028	520SI	04/03 RFO
7	51	0.16	44	2	VOL		001	-10.32		001	001			4028	520SI	04/03 RFO
8	5	0.12	95	2	VOL		014	+0.79		014	014			4019	520SI	04/03 RFO
		0.17	74	2	VOL		014	+1.14		014	014			4019	520SI	04/03 RFO
8	10	0.46	133	P 3	TWD	10	010	-0.68		010	010	WAR		4015	460SI	04/03 RFO
8	12	1.40	18	2	TEA		UTE	-0.17		UTE	UTE	CL		2028	460HR	04/03 RFO
8	13	0.21	152	2	VOL		014	+0.24		014	014			4011	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
8	21	0.19	63	2	VOL		006	+16.32	006	006				4011	460SI	04/03 RFO
8	23	0.22	65	P 1	VOL		014	+2.60	014	014				4011	460SI	04/03 RFO
8	42	0.45	46	P 3	TWD	10	007	+0.69	007	007	WAR			4028	520SI	04/03 RFO
8	47	0.44	78	P 3	TWD	9	008	+0.71	008	008	WAR			4028	520SI	04/03 RFO
8	48	0.48	91	P 3	TWD	10	008	+0.70	008	008	WAR			4028	520SI	04/03 RFO
9	1	1.09	14	2	TEA		UTE	-0.11	UTE	UTE				2029	460HR	04/03 RFO
9	2	1.00	34	2	TEA		UTE	-0.16	UTE	UTE				2028	460HR	04/03 RFO
9	6	1.06	9	2	TEA		UTE	-0.13	UTE	UTE				2028	460HR	04/03 RFO
9	13	0.22	96	2	VOL		010	-15.23	010	010				4019	520SI	04/03 RFO
9	23	0.35	128	2	VOL		009	-0.71	009	009				4011	460SI	04/03 RFO
9	24	0.27	84	P 3	TWD	7	010	+0.49	010	010	WAR			4011	460SI	04/03 RFO
9	56	0.55	82	P 3	TWD	13	009	+0.71	009	009	WAR			4033	520SI	04/03 RFO
9	57	0.12	34	2	VOL		003	-15.58	003	003				4033	520SI	04/03 RFO
10	2	0.22	82	P 3	TWD	5	011	-0.72	011	011	WAR			4015	460SI	04/03 RFO
10	7	1.84	20	2	TEA		UTE	-0.13	UTE	UTE				2029	460HR	04/03 RFO
10	9	0.61	58	P 3	TWD	13	009	-0.65	009	009	WAR			4015	460SI	04/03 RFO
10	12	0.16	104	2	VOL		009	+16.58	009	009				4019	520SI	04/03 RFO
		0.24	83	2	VOL		009	+20.69	009	009				4019	520SI	04/03 RFO
		0.17	76	2	VOL		009	+23.88	009	009				4019	520SI	04/03 RFO
10	14	0.30	94	2	VOL		010	-22.80	010	010				4019	520SI	04/03 RFO
		0.19	58	2	VOL		011	+15.79	011	011				4019	520SI	04/03 RFO
10	20	1.98	16	2	TEA		UTE	-0.21	UTE	UTE				2038	460HR	04/03 RFO
10	25	0.22	123	2	VOL		009	+0.71	009	009				4011	460SI	04/03 RFO
10	51	0.21	113	P 3	TWD	5	011	-0.81	011	011	WAR			4033	520SI	04/03 RFO
11	1	0.14	77	2	VOL		010	-1.74	010	010				4019	520SI	04/03 RFO
11	7	3.38	21	2	TEA		UTE	-0.11	UTE	UTE				2029	460HR	04/03 RFO
11	10	0.18	50	2	VOL		015	+12.39	015	015				4019	520SI	04/03 RFO
		0.14	55	2	VOL		UTS	-16.08	UTS	UTS				4019	520SI	04/03 RFO
11	11	0.43	130	2	VOL		009	-0.70	009	009				4015	460SI	04/03 RFO
11	12	1.55	8	2	TEA		UTE	-0.18	UTE	UTE				2028	460HR	04/03 RFO
11	20	0.25	70	2	VOL		008	+6.26	008	008				4011	460SI	04/03 RFO
		0.46	141	2	VOL		009	+0.47	009	009				4011	460SI	04/03 RFO
11	21	0.22	151	2	VOL		008	+10.64	008	008				4011	460SI	04/03 RFO
11	26	1.34	19	2	TEA		UTE	-0.21	UTE	UTE				2039	460HR	04/03 RFO
11	64	13.96	185	1	DNT		010	-0.33	010	010				4002	460SI	04/03 RFO
11	65	0.47	101	2	VOL		010	-1.27	010	010				4057	520SI	04/03 RFO
11	67	0.27	56	2	VOL		014	+3.30	014	014				4002	460SI	04/03 RFO
		0.12	93	2	VOL		014	+3.65	014	014				4002	460SI	04/03 RFO
		3.32	185	1	DNT		015	-0.59	015	015				4002	460SI	04/03 RFO
12	1	0.11	91	2	VOL		014	+1.38	014	014				4019	520SI	04/03 RFO
12	2	0.27	74	2	VOL		010	-2.31	010	010				4019	520SI	04/03 RFO
		4.08	179	1	DNT		UTS	+0.00	UTS	UTS				4019	520SI	04/03 RFO
		0.20	87	2	VOL		UTS	-0.00	UTS	UTS				4019	520SI	04/03 RFO
12	6	2.09	25	2	TEA		UTE	-0.15	UTE	UTE				2028	460HR	04/03 RFO
12	9	0.64	21	2	SAI		UTE	-3.58	UTE	UTS	URT			2028	460HR	04/03 RFO
		0.63	21	2	TWD	49	UTE	-3.58	UTE	UTS				2028	460HR	04/03 RFO
12	20	0.34	81	2	VOL		009	+0.53	009	009				4011	460SI	04/03 RFO
12	24	2.07	18	2	TEA		UTE	-0.21	UTE	UTE				2045	460HR	04/03 RFO
12	26	1.29	17	2	TEA		UTE	-0.21	UTE	UTE				2045	460HR	04/03 RFO
12	27	0.53	23	2	SAI		UTE	-3.60	UTE	UTS	URT			2038	460HR	04/03 RFO
		0.53	23	2	TWD	67	UTE	-3.60	UTE	UTS				2038	460HR	04/03 RFO
12	28	4.81	359	1	DNT		004	+14.77	004	004				4011	460SI	04/03 RFO
12	33	0.46	144	P 3	TWD	11	011	-0.77	011	011	WAR			4011	460SI	04/03 RFO
12	65	0.32	78	2	VOL		010	-1.13	010	010				4002	460SI	04/03 RFO
12	66	0.13	71	2	SAI		014	-15.43	014	014				4002	460SI	04/03 RFO
		0.13	71	2	TWD	53	014	-15.43	014	014				4002	460SI	04/03 RFO
12	67	8.84	178	1	DNT		LTS	-15.31	LTS	LTS				4002	460SI	04/03 RFO
12	68	9.69	180	1	DNT		LTS	-15.44	LTS	LTS				4002	460SI	04/03 RFO
		0.22	39	P 3	TWD	8	009	-0.58	009	009	WAR			4002	460SI	04/03 RFO
		1.49	174	1	DNT		015	-0.73	015	015				4002	460SI	04/03 RFO
12	70	1.88	187	1	DNT		015	-0.81	015	015				4002	460SI	04/03 RFO
12	71	0.13	60	2	VOL		012	+1.11	012	012				4002	460SI	04/03 RFO
		2.22	193	1	DNT		015	-0.60	015	015				4002	460SI	04/03 RFO
13	4	0.16	51	2	VOL		010	-1.64	010	010				4019	520SI	04/03 RFO
		0.17	53	2	VOL		010	-1.84	010	010				4019	520SI	04/03 RFO
13	5	0.52	51	P 3	TWD	11	010	-0.60	010	010	WAR			4015	460SI	04/03 RFO
13	6	0.33	82	2	VOL		009	+14.28	009	009				4019	520SI	04/03 RFO
13	18	0.32	86	P 3	TWD	7	007	-0.76	007	007	WAR			4015	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
13	19	0.48	35	P 3	TWD 11	007	-0.70	007	007	WAR				4015	460SI	04/03 RFO
13	20	0.29	91	P 3	TWD 7	007	-0.65	007	007	WAR				4015	460SI	04/03 RFO
13	28	1.98	16	2	TEA	UTE	-0.16	UTE	UTE					2045	460HR	04/03 RFO
13	29	0.97	14	2	TEA	UTE	-0.22	UTE	UTE					2044	460HR	04/03 RFO
13	35	0.46	67	P 3	TWD 9	011	-0.72	011	011	WAR				4011	460SI	04/03 RFO
13	65	0.48	83	2	VOL	010	-14.98	010	010					4002	460SI	04/03 RFO
		0.31	86	2	VOL	010	-13.07	010	010					4002	460SI	04/03 RFO
		0.29	96	2	VOL	010	-9.20	010	010					4002	460SI	04/03 RFO
13	68	9.67	176	1	DNT	LTS	-15.28	LTS	LTS					4002	460SI	04/03 RFO
		8.40	177	1	DNT	LTS	-14.58	LTS	LTS					4002	460SI	04/03 RFO
13	70	5.78	175	1	DNT	LTS	-14.87	LTS	LTS					4002	460SI	04/03 RFO
		4.78	177	1	DNT	LTS	-15.30	LTS	LTS					4002	460SI	04/03 RFO
13	71	0.22	118	2	VOL	010	-1.56	010	010					4002	460SI	04/03 RFO
		0.34	110	2	VOL	010	-2.58	010	010					4002	460SI	04/03 RFO
		2.47	171	1	DNT	015	-0.64	015	015					4002	460SI	04/03 RFO
13	73	2.87	194	1	DNT	015	-0.54	015	015					4002	460SI	04/03 RFO
13	74	0.32	110	P 3	TWD 12	010	+0.26	010	010	WAR				4002	460SI	04/03 RFO
		0.20	41	P 1	SCI	015	+0.54	015	015					4002	460SI	04/03 RFO
		0.00	0	P 4	TWD 0	015	+0.52	TO+129.0	015	015				4002	460SI	04/03 RFO
		0.18	39	P 4	TWD 85	015	+0.54	TO+123.6	015	015				4002	460SI	04/03 RFO
		0.19	37	P 4	TWD 90	015	+0.54	TO+118.2	015	015				4002	460SI	04/03 RFO
		0.19	44	P 4	TWD 89	015	+0.54	TO+112.8	015	015				4002	460SI	04/03 RFO
		0.20	43	P 4	TWD 92	015	+0.54	TO+107.5	015	015				4002	460SI	04/03 RFO
		0.19	47	P 4	TWD 91	015	+0.54	TO+102.1	015	015				4002	460SI	04/03 RFO
		0.18	50	P 4	TWD 86	015	+0.54	TO+96.7	015	015				4002	460SI	04/03 RFO
		0.17	50	P 4	TWD 81	015	+0.54	TO+91.3	015	015				4002	460SI	04/03 RFO
		0.15	46	P 4	TWD 77	015	+0.54	TO+86.0	015	015				4002	460SI	04/03 RFO
		0.15	46	P 4	TWD 75	015	+0.54	TO+80.6	015	015				4002	460SI	04/03 RFO
		0.13	46	P 4	TWD 66	015	+0.54	TO+75.2	015	015				4002	460SI	04/03 RFO
		0.10	29	P 4	TWD 55	015	+0.54	TO+69.9	015	015				4002	460SI	04/03 RFO
		0.00	0	P 4	TWD 0	015	+0.52	TO+64.5	015	015				4002	460SI	04/03 RFO
14	4	0.70	100	P 3	TWD 17	010	-0.64	010	010	WAR				4019	520SI	04/03 RFO
14	20	1.08	11	2	TEA	UTE	-0.14	UTE	UTE					2029	460HR	04/03 RFO
14	26	2.09	22	2	TEA	UTE	-0.20	UTE	UTE					2045	460HR	04/03 RFO
14	27	1.05	20	2	TEA	UTE	-0.20	UTE	UTE					2044	460HR	04/03 RFO
14	28	2.10	26	2	MAI	UTE	-3.62	UTE	UTS	URT				2038	460HR	04/03 RFO
		2.10	26	2	TWD 77	UTE	-3.62	UTE	UTS					2038	460HR	04/03 RFO
14	55	0.22	58	P 3	TWD 5	011	-0.72	011	011	WAR				4033	520SI	04/03 RFO
14	62	0.47	181	2	DNT	001	-13.77	001	001					4033	520SI	04/03 RFO
14	69	2.12	22	2	TEA	UTE	-0.19	UTE	UTE					2092	460HR	04/03 RFO
		9.16	176	1	DNT	LTS	-15.33	LTS	LTS					4002	460SI	04/03 RFO
		8.70	171	1	DNT	LTE	+9.33	LTE	LTE					4057	520SI	04/03 RFO
14	70	9.26	184	1	DNT	LTS	-15.37	LTS	LTS					4002	460SI	04/03 RFO
		11.01	179	1	DNT	010	-0.38	010	010					4002	460SI	04/03 RFO
14	72	0.39	81	2	VOL	010	-1.37	010	010					4002	460SI	04/03 RFO
		2.75	157	1	DNT	015	-0.47	015	015					4002	460SI	04/03 RFO
		0.09	78	2	VOL	015	-0.09	015	015					4002	460SI	04/03 RFO
		0.09	96	3	VOL	015	+0.60	015	015					4002	460SI	04/03 RFO
		0.09	43	2	VOL	015	+0.65	015	015					4057	520SI	04/03 RFO
		0.11	83	2	VOL	015	-0.09	015	015					4057	520SI	04/03 RFO
		1.60	175	1	DNT	015	-0.47	015	015					4057	520SI	04/03 RFO
14	73	3.55	177	1	DNT	015	-0.65	015	015					4002	460SI	04/03 RFO
14	74	2.76	182	1	DNT	015	-0.51	015	015					4002	460SI	04/03 RFO
14	75	0.46	76	2	VOL	010	+0.01	010	010					4002	460SI	04/03 RFO
		2.71	177	1	DNT	015	-0.57	015	015					4002	460SI	04/03 RFO
15	10	1.65	22	2	TEA	UTE	-0.12	UTE	UTE					2029	460HR	04/03 RFO
15	18	0.12	46	2	VOL	012	+9.73	012	012					4019	520SI	04/03 RFO
15	22	1.19	17	2	TEA	UTE	-0.19	UTE	UTE					2028	460HR	04/03 RFO
15	24	0.18	64	2	VOL	014	-11.72	014	014					4011	460SI	04/03 RFO
15	26	0.51	69	P 3	TWD 10	011	-0.60	011	011	WAR				4011	460SI	04/03 RFO
15	28	1.98	25	2	TEA	UTE	-0.19	UTE	UTE					2044	460HR	04/03 RFO
15	39	0.62	3	2	DNT	009	+5.27	009	009					4033	520SI	04/03 RFO
		0.82	4	2	DNT	006	+16.91	006	006					4033	520SI	04/03 RFO
15	41	0.11	72	2	VOL	LTS	-12.60	LTS	LTS					4033	520SI	04/03 RFO
15	64	0.66	90	P 3	TWD 14	009	+0.61	009	009	WAR				4033	520SI	04/03 RFO
15	67	0.24	95	2	VOL	009	+11.12	TO+26.63	009	009				4002	460SI	04/03 RFO
15	68	0.42	90	2	VOL	010	-16.51	010	010					4002	460SI	04/03 RFO
15	69	0.29	92	2	VOL	010	-5.84	TO-18.85	010	010				4002	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	\$TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
15	71	0.28	96	2	VOL	010	-4.02	010	010					4002	460SI	04/03 RFO
		0.24	91	2	VOL	010	-1.48	010	010					4002	460SI	04/03 RFO
15	74	0.27	88	2	VOL	010	-2.08	010	010					4002	460SI	04/03 RFO
15	77	2.24	174	1	DNT	015	-0.55	015	015					4002	460SI	04/03 RFO
15	78	0.51	41	2	VOL	010	+0.55	010	010					4002	460SI	04/03 RFO
		2.14	167	1	DNT	015	-0.40	015	015					4002	460SI	04/03 RFO
16	5	0.32	84	2	VOL	009	+14.49	009	009					4029	520SI	04/03 RFO
16	16	0.30	83	2	VOL	UTE	-2.31	UTE	UTE	CS				2028	460HR	04/03 RFO
		0.16	48	2	VOL	015	-13.57	015	015					4019	520SI	04/03 RFO
16	21	0.09	57	2	VOL	013	-9.52	013	013					4019	520SI	04/03 RFO
16	29	1.43	13	2	TEA	UTE	-0.21	UTE	UTE					2045	460HR	04/03 RFO
16	31	0.16	65	2	SAI	UTS	-10.23	UTS	UTS					4011	460SI	04/03 RFO
		0.16	65	2	TWD	64	UTS	-10.23	UTS	UTS				4011	460SI	04/03 RFO
16	42	0.03	62	2	VOL	015	-11.16	015	015					4033	520SI	04/03 RFO
16	50	1.27	11	2	TEA	UTE	-0.23	UTE	UTE					2074	460HR	04/03 RFO
16	72	0.31	91	2	VOL	010	-6.92	TO-16.99	010	010				4002	460SI	04/03 RFO
16	78	2.01	173	1	DNT	015	-0.60	015	015					4002	460SI	04/03 RFO
16	81	1.55	106	1	VOL	015	-2.80	015	015					4005	460SI	04/03 RFO
17	11	0.99	14	2	TEA	UTE	-0.13	UTE	UTE					2029	460HR	04/03 RFO
17	12	2.04	22	2	TEA	UTE	-0.12	UTE	UTE					2028	460HR	04/03 RFO
17	33	1.13	11	2	TEA	UTE	-0.17	UTE	UTE					2045	460HR	04/03 RFO
17	44	0.22	66	P 3	TWD	5	011	-0.81	011	011	WAR			4033	520SI	04/03 RFO
17	53	0.20	59	P 3	TWD	5	011	-0.76	011	011	WAR			4033	520SI	04/03 RFO
17	72	0.35	116	2	VOL	010	-11.89	TO-19.76	010	010				4002	460SI	04/03 RFO
17	74	0.65	110	P 3	TWD	18	009	+0.69	009	009	WAR			4002	460SI	04/03 RFO
		0.32	91	2	VOL	010	-7.90	TO-20.00	010	010				4002	460SI	04/03 RFO
17	75	0.53	87	P 3	TWD	15	008	-0.47	008	008	WAR			4002	460SI	04/03 RFO
17	77	0.30	96	2	VOL	009	+0.68	009	009					4003	460SI	04/03 RFO
17	78	0.32	91	2	VOL	010	-2.33	010	010					4003	460SI	04/03 RFO
17	82	2.17	164	1	DNT	015	-0.54	015	015					4003	460SI	04/03 RFO
18	2	0.58	78	P 3	TWD	16	014	+0.60	014	014	WAR			4023	520SI	04/03 RFO
		0.30	82	P 3	TWD	8	014	-0.66	014	014	WAR			4023	520SI	04/03 RFO
18	4	0.26	92	2	VOL	009	+16.64	009	009					4029	520SI	04/03 RFO
18	13	2.33	13	2	TEA	UTE	-0.12	UTE	UTE					2028	460HR	04/03 RFO
18	25	1.34	13	2	TEA	UTE	-0.14	UTE	UTE					2029	460HR	04/03 RFO
18	33	1.63	20	2	TEA	UTE	-0.18	UTE	UTE					2045	460HR	04/03 RFO
18	44	1.99	24	2	TEA	UTE	-0.10	UTE	UTE					2073	460HR	04/03 RFO
18	62	0.24	89	2	VOL	009	+10.85	009	009					4033	520SI	04/03 RFO
		0.26	99	2	VOL	009	+7.24	009	009					4033	520SI	04/03 RFO
18	66	0.32	67	2	VOL	014	-11.93	014	014					4038	520SI	04/03 RFO
18	71	0.50	108	P 3	TWD	7	008	+0.60	008	008	WAR			4003	460SI	04/03 RFO
18	75	0.44	91	2	VOL	010	-10.03	TO-18.56	010	010				4003	460SI	04/03 RFO
18	77	0.58	92	2	VOL	010	-7.22	TO-18.10	010	010				4003	460SI	04/03 RFO
18	79	1.28	91	P 3	TWD	20	010	+0.07	010	010	WAR			4003	460SI	04/03 RFO
		0.30	101	2	VOL	010	-11.25	TO-15.11	010	010				4003	460SI	04/03 RFO
18	83	0.19	75	2	VOL	010	+9.32	010	010					4003	460SI	04/03 RFO
19	5	0.47	88	P 3	TWD	13	009	+0.49	009	009	WAR			4023	520SI	04/03 RFO
19	11	0.66	51	2	VOL	007	-0.78	007	007					4015	460SI	04/03 RFO
19	14	0.92	17	2	TEA	UTE	-0.13	UTE	UTE					2030	460HR	04/03 RFO
19	15	0.77	20	2	SAI	UTE	-3.55	UTE	UTS	URT				2028	460HR	04/03 RFO
		0.77	20	2	TWD	56	UTE	-3.55	UTE	UTS				2028	460HR	04/03 RFO
19	16	0.91	20	2	MAI	UTE	-3.55	UTE	UTS	URT				2028	460HR	04/03 RFO
		0.91	20	2	TWD	56	UTE	-3.55	UTE	UTS				2028	460HR	04/03 RFO
		0.26	115	2	VOL	UTS	+13.89	TO+14.68	UTS	UTS				4019	520SI	04/03 RFO
19	19	0.28	128	P 3	TWD	8	011	-0.71	011	011	WAR			4019	520SI	04/03 RFO
19	55	0.48	64	P 3	TWD	10	011	-0.79	011	011	WAR			4033	520SI	04/03 RFO
19	67	0.58	51	P 3	TWD	13	014	+0.46	014	014	WAR			4038	520SI	04/03 RFO
19	71	0.34	85	2	VOL	013	+0.85	013	013					4003	460SI	04/03 RFO
19	77	0.31	98	2	VOL	010	-15.03	TO-19.34	010	010				4003	460SI	04/03 RFO
19	78	0.82	73	P 3	TWD	12	008	-0.73	008	008	WAR			4003	460SI	04/03 RFO
19	79	0.78	126	P 3	TWD	12	008	-0.62	008	008	WAR			4003	460SI	04/03 RFO
		0.40	93	2	VOL	010	-18.93	TO-13.36	010	010				4003	460SI	04/03 RFO
19	80	0.39	72	2	VOL	010	-16.84	010	010					4003	460SI	04/03 RFO
19	82	0.75	95	P 3	TWD	11	010	+0.63	010	010	WAR			4003	460SI	04/03 RFO
19	85	0.37	73	2	SAI	015	-4.28	015	015					4003	460SI	04/03 RFO
		0.37	73	2	TWD	52	015	-4.28	015	015				4003	460SI	04/03 RFO
19	86	1.18	115	P 3	TWD	18	015	+0.71	015	015	WAR			4003	460SI	04/03 RFO
		0.43	78	2	SAI	015	-4.73	015	015					4003	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.43	78	2	TWD	43	015	-4.73	015	015				4003	460SI	04/03 RFO
		0.07	79	2	SAI		015	-2.66	015	015				4003	460SI	04/03 RFO
		0.07	79	2	TWD	42	015	-2.66	015	015				4003	460SI	04/03 RFO
20	3	0.36	62	P 3	TWD	10	010	+0.60	010	010	WAR			4023	520SI	04/03 RFO
20	16	0.27	106	2	VOL		011	-8.05	011	011				4019	520SI	04/03 RFO
20	17	2.45	24	2	TEA		UTE	-0.21	UTE	UTE				2031	460HR	04/03 RFO
20	19	0.13	43	2	VOL		014	+16.82	014	014				4019	520SI	04/03 RFO
20	71	0.65	52	P 3	TWD	10	008	+0.63	008	008	WAR			4003	460SI	04/03 RFO
20	73	0.69	102	P 3	TWD	10	008	+0.54	008	008	WAR			4003	460SI	04/03 RFO
20	75	0.44	66	P 3	TWD	5	008	+0.64	008	008	WAR			4003	460SI	04/03 RFO
20	77	0.52	64	P 3	TWD	7	008	-0.71	008	008	WAR			4003	460SI	04/03 RFO
20	78	0.46	99	P 3	TWD	6	009	+0.59	009	009	WAR			4003	460SI	04/03 RFO
20	79	0.31	83	P 3	TWD	3	008	+0.59	008	008	WAR			4003	460SI	04/03 RFO
20	80	0.28	93	1	VOL		012	+1.33	012	012				4003	460SI	04/03 RFO
20	81	0.95	129	P 3	TWD	15	009	+0.71	009	009	WAR			4003	460SI	04/03 RFO
20	83	0.11	82	2	SAI		015	-3.47	015	015				4003	460SI	04/03 RFO
		0.11	82	2	TWD	36	015	-3.47	015	015				4003	460SI	04/03 RFO
		0.08	86	2	SAI		015	-4.08	015	015				4003	460SI	04/03 RFO
		0.08	86	2	TWD	28	015	-4.08	015	015				4003	460SI	04/03 RFO
21	15	0.55	94	P 3	TWD	14	007	-0.77	007	007	WAR			4019	520SI	04/03 RFO
21	30	1.30	8	2	TEA		UTE	-0.21	UTE	UTE				2044	460HR	04/03 RFO
21	35	1.63	24	2	TEA		UTE	-0.19	UTE	UTE				2045	460HR	04/03 RFO
21	72	0.55	54	P 3	TWD	13	011	-0.71	011	011	WAR			4038	520SI	04/03 RFO
21	77	0.53	75	P 3	TWD	7	011	-0.73	011	011	WAR			4003	460SI	04/03 RFO
21	78	1.00	61	P 3	TWD	15	009	+0.63	009	009	WAR			4003	460SI	04/03 RFO
21	84	1.10	63	P 3	TWD	17	008	-0.72	008	008	WAR			4003	460SI	04/03 RFO
		0.86	85	P 3	TWD	13	009	+0.60	009	009	WAR			4003	460SI	04/03 RFO
21	85	0.79	97	P 3	TWD	12	008	-0.43	008	008	WAR			4003	460SI	04/03 RFO
		0.97	75	P 3	TWD	15	009	+0.59	009	009	WAR			4003	460SI	04/03 RFO
22	20	0.12	48	2	VOL		008	+1.66	008	008				4019	520SI	04/03 RFO
		0.14	57	2	VOL		009	-13.89	009	009				4019	520SI	04/03 RFO
		0.14	66	2	VOL		009	-12.70	009	009				4019	520SI	04/03 RFO
		0.14	69	2	VOL		009	+4.36	009	009				4019	520SI	04/03 RFO
22	70	0.50	55	P 3	TWD	12	011	-0.70	011	011	WAR			4038	520SI	04/03 RFO
22	86	0.41	0	P 3	TWD	11	011	-0.72	011	011	WAR			4005	460SI	04/03 RFO
22	89	0.79	0	P 3	TWD	19	009	+0.60	009	009	WAR			4005	460SI	04/03 RFO
22	90	0.85	126	P 3	TWD	22	009	+0.68	009	009	WAR			4005	460SI	04/03 RFO
		0.26	62	2	VOL		015	+0.02	015	015				4005	460SI	04/03 RFO
22	91	0.32	91	2	SAI		015	-1.40	015	015				4005	460SI	04/03 RFO
		0.32	91	2	TWD	35	015	-1.40	015	015				4005	460SI	04/03 RFO
		0.11	93	2	SAI		015	-3.43	015	015				4005	460SI	04/03 RFO
		0.12	96	2	TWD	30	015	-3.43	015	015				4005	460SI	04/03 RFO
23	31	0.61	16	2	TEA		UTE	-0.18	UTE	UTE				2045	460HR	04/03 RFO
23	38	1.41	16	2	TEA		UTE	-0.23	UTE	UTE				2044	460HR	04/03 RFO
23	65	0.08	87	2	SAI		015	-13.03	015	015				4038	520SI	04/03 RFO
		0.11	88	2	TWD	21	015	-13.03	015	015				4038	520SI	04/03 RFO
23	69	0.47	65	P 3	TWD	11	003	-0.60	003	003	WAR			4038	520SI	04/03 RFO
23	76	0.15	83	P 1	VOL		003	-7.00	003	003				4005	460SI	04/03 RFO
23	79	0.14	51	2	VOL		015	-14.34	015	015				4005	460SI	04/03 RFO
23	80	0.11	91	2	VOL		LTS	-5.17	LTS	LTS				4005	460SI	04/03 RFO
23	93	1.05	13	2	TEA		UTE	-0.23	UTE	UTE				2098	460HR	04/03 RFO
		0.38	84	P 1	VOL		006	+1.53	006	006				4005	460SI	04/03 RFO
24	17	0.12	35	2	VOL		014	+8.68	014	014				4019	520SI	04/03 RFO
24	31	0.66	16	2	TEA		UTE	-0.21	UTE	UTE				2030	460HR	04/03 RFO
24	37	0.36	72	2	VOL		014	+1.02	014	014				4011	460SI	04/03 RFO
24	38	2.15	20	2	TEA		UTE	-0.19	UTE	UTE				2045	460HR	04/03 RFO
24	39	2.72	24	2	TEA		UTE	-0.17	UTE	UTE				2044	460HR	04/03 RFO
24	47	0.48	192	2	DNT		001	-6.77	001	001				4033	520SI	04/03 RFO
24	55	0.13	54	2	VOL		LTS	+13.00	LTS	LTS				4033	520SI	04/03 RFO
24	74	0.16	56	2	VOL		015	-13.17	015	015				4038	520SI	04/03 RFO
24	95	0.99	18	2	TEA		UTE	-0.22	UTE	UTE				2098	460HR	04/03 RFO
25	3	0.50	112	P 3	TWD	14	009	+0.62	009	009	WAR			4023	520SI	04/03 RFO
25	4	0.41	124	P 3	TWD	12	009	+0.66	009	009	WAR			4023	520SI	04/03 RFO
25	42	1.23	22	2	TEA		UTE	-0.23	UTE	UTE				2045	460HR	04/03 RFO
25	69	0.14	54	2	VOL		004	+8.79	004	004				4038	520SI	04/03 RFO
25	84	1.25	15	2	TEA		UTE	-0.23	UTE	UTE				2098	460HR	04/03 RFO
25	86	1.49	23	2	TEA		UTE	-0.24	UTE	UTE				2098	460HR	04/03 RFO
25	87	0.15	74	2	VOL		013	+4.42	013	013				4005	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
25	96	0.35	107	2	VOL		008 +2.14	008	008					4005	460SI	04/03 RFO
		0.57	94	2	VOL		008 +5.51	008	008					4005	460SI	04/03 RFO
		0.04	93	2	VOL		012 +9.26	012	012					4005	460SI	04/03 RFO
26	2	0.32	111	2	VOL		011 -0.66	011	011					4023	520SI	04/03 RFO
26	5	0.23	107	2	VOL		008 -0.63	008	008					4023	520SI	04/03 RFO
26	15	0.16	74	2	VOL		001 +1.95	001	001					4018	460SI	04/03 RFO
		0.19	47	2	VOL		001 +1.78	001	001					4018	460SI	04/03 RFO
26	17	0.09	59	2	VOL		009 +8.22	009	009					4059	520SI	04/03 RFO
26	22	1.09	13	2	DNT		010 +8.31	010	010					4019	520SI	04/03 RFO
26	49	0.47	10	2	DNT		006 +4.68	006	006					4033	520SI	04/03 RFO
26	56	0.27	71	P 3	TWD 6		013 +0.78	013	013	WAR				4033	520SI	04/03 RFO
26	68	1.92	22	2	TEA		UTE -0.11	UTE	UTE					2080	460HR	04/03 RFO
26	70	0.26	63	P 3	TWD 6		011 -0.78	011	011	WAR				4038	520SI	04/03 RFO
26	74	4.02	162	1	DNT		UTS +8.04	UTS	UTS					4038	520SI	04/03 RFO
26	76	0.10	31	2	VOL		002 -2.12	002	002					4038	520SI	04/03 RFO
26	78	0.33	55	2	VOL		011 -0.81	011	011					4005	460SI	04/03 RFO
26	87	0.14	41	2	VOL		LTS +19.46	LTS	LTS					4005	460SI	04/03 RFO
		0.19	77	2	VOL		013 +1.10	013	013					4005	460SI	04/03 RFO
26	95	0.32	64	2	SAI		015 -1.54	015	015					4057	520SI	04/03 RFO
		0.32	64	2	TWD 63		015 -1.54	015	015					4057	520SI	04/03 RFO
26	98	0.22	72	2	VOL		012 +1.53	012	012					4005	460SI	04/03 RFO
27	28	0.27	55	2	VOL		006 -7.11	006	006					4018	460SI	04/03 RFO
27	40	0.49	10	2	TEA		UTE -0.19	UTE	UTE					2045	460HR	04/03 RFO
27	41	0.17	124	2	VOL		013 +0.19	013	013					4011	460SI	04/03 RFO
27	59	2.42	23	2	TEA		UTE -0.16	UTE	UTE					2079	460HR	04/03 RFO
27	73	0.10	151	2	VOL		004 -7.73	004	004					4038	520SI	04/03 RFO
27	78	0.39	0	P 3	TWD 10		004 -0.77	004	004	WAR				4005	460SI	04/03 RFO
27	81	0.21	49	2	VOL		UTS -17.29	UTS	UTS					4005	460SI	04/03 RFO
27	85	1.55	29	2	TEA		UTE -0.25	UTE	UTE					2098	460HR	04/03 RFO
27	91	0.15	58	2	VOL		013 +8.54	013	013					4005	460SI	04/03 RFO
27	100	0.34	114	P 3	TWD 7		010 +0.72	010	010	WAR				4006	460SI	04/03 RFO
28	7	0.45	81	P 3	TWD 13		009 -0.47	009	009	WAR				4023	520SI	04/03 RFO
28	14	0.36	80	2	VOL		006 +17.07 TO+19.65	006	006					4023	520SI	04/03 RFO
28	39	0.60	66	2	SAI		014 -0.19	014	014					4011	460SI	04/03 RFO
		0.60	66	2	TWD 62		014 -0.19	014	014					4011	460SI	04/03 RFO
28	43	0.18	131	2	VOL		005 +10.58	005	005					4011	460SI	04/03 RFO
28	98	0.14	68	2	VOL		005 -12.25	005	005					4005	460SI	04/03 RFO
29	2	17.69	182	1	DNT		010 +0.40	010	010					4023	520SI	04/03 RFO
		0.48	90	P 3	TWD 13		011 +0.57	011	011	WAR				4023	520SI	04/03 RFO
29	5	0.61	115	P 3	TWD 17		009 +0.65	009	009	WAR				4023	520SI	04/03 RFO
		1.41	112	1	VOL		009 +13.49	009	009					4023	520SI	04/03 RFO
29	39	0.33	154	2	VOL		014 -0.07	014	014					4011	460SI	04/03 RFO
29	44	0.76	21	2	TEA		UTE -0.20	UTE	UTE					2045	460HR	04/03 RFO
29	49	0.17	43	2	VOL		013 -17.67	013	013					4011	460SI	04/03 RFO
29	72	2.15	152	1	DNT		002 -15.66	002	002					4038	520SI	04/03 RFO
		2.13	168	1	DNT		001 -5.58	001	001					4038	520SI	04/03 RFO
29	76	0.27	72	2	VOL		013 +6.24	013	013					4038	520SI	04/03 RFO
29	82	0.21	92	P 3	TWD 4		011 -0.76	011	011	WAR				4005	460SI	04/03 RFO
29	83	0.49	0	P 3	TWD 13		011 -0.83	011	011	WAR				4005	460SI	04/03 RFO
29	99	0.79	152	P 3	TWD 16		009 +0.56	009	009	WAR				4006	460SI	04/03 RFO
29	102	0.45	63	2	VOL		008 +7.10	008	008					4006	460SI	04/03 RFO
		0.35	104	2	VOL		008 +5.29	008	008					4006	460SI	04/03 RFO
		0.48	66	2	VOL		008 +6.98	008	008					4006	460SI	04/03 RFO
29	104	1.28	22	2	TEA		UTE -0.23	UTE	UTE					2097	460HR	04/03 RFO
30	4	0.29	68	P 3	TWD 9		008 +0.56	008	008	WAR				4023	520SI	04/03 RFO
		0.60	56	P 3	TWD 17		010 +0.62	010	010	WAR				4023	520SI	04/03 RFO
30	21	0.34	106	P 3	TWD 8		007 -0.70	007	007	WAR				4015	460SI	04/03 RFO
30	38	0.21	52	2	VOL		003 +5.21	003	003					4011	460SI	04/03 RFO
30	51	0.22	223	2	VOL		004 -1.03	004	004					4033	520SI	04/03 RFO
30	104	0.98	150	P 3	TWD 20		008 -0.55	008	008					4006	460SI	04/03 RFO
31	1	15.34	184	1	DNT		010 +0.30	010	010					4029	520SI	04/03 RFO
31	4	0.39	95	2	VOL		UTS +21.21	UTS	UTS					4029	520SI	04/03 RFO
31	6	0.45	72	2	VOL		010 +14.70	010	010					4029	520SI	04/03 RFO
31	8	0.37	88	P 3	TWD 11		009 +0.68	009	009	WAR				4023	520SI	04/03 RFO
31	44	1.42	22	2	TEA		UTE -0.20	UTE	UTE					2044	460HR	04/03 RFO
31	76	0.75	65	P 3	TWD 17		011 -0.80	011	011	WAR				4038	520SI	04/03 RFO
31	104	0.08	66	2	VOL		014 +1.34	014	014					4006	460SI	04/03 RFO
32	4	0.30	66	2	VOL		005 +1.80	005	005					4062	520SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
32	5	0.94	122	P 3	TWD 24	009	+0.63	009	009	WAR				4023	520SI	04/03 RFO
32	15	0.29	76	P 3	TWD 8	007	-0.71	007	007	WAR				4023	520SI	04/03 RFO
32	62	0.10	63	2	VOL	013	+0.00	013	013					4033	520SI	04/03 RFO
32	78	0.16	107	2	SAI	UTS	-3.54	UTS	UTS					4038	520SI	04/03 RFO
		0.13	86	2	TWD 26	UTS	-3.54	UTS	UTS					4038	520SI	04/03 RFO
32	86	0.22	58	2	VOL	001	-4.21	001	001					4006	460SI	04/03 RFO
32	93	5.56	176	1	DNT	013	+1.68	013	013					4006	460SI	04/03 RFO
32	100	1.33	11	2	TEA	UTE	-0.25	UTE	UTE					2098	460HR	04/03 RFO
33	2	0.29	123	2	VOL	014	+0.29	014	014					4023	520SI	04/03 RFO
33	4	0.46	77	2	VOL	010	-0.64	010	010					4023	520SI	04/03 RFO
33	6	0.96	134	P 3	TWD 21	008	-0.26	008	008	WAR				4023	520SI	04/03 RFO
		0.20	76	2	VOL	009	+17.56	009	009					4023	520SI	04/03 RFO
		0.18	65	2	VOL	009	+13.59	009	009					4023	520SI	04/03 RFO
33	21	41.73	12	1	MAI	LTE	+0.25	LTE	LTE					703	410MB	04/03 RFO
33	30	0.53	52	P 3	TWD 12	013	-0.18	013	013	WAR				4015	460SI	04/03 RFO
33	81	0.19	30	2	VOL	012	-10.27	012	012					4025	520SI	04/03 RFO
33	106	0.27	143	P 3	TWD 6	009	+0.64	009	009	WAR				4006	460SI	04/03 RFO
33	107	0.50	140	P 3	TWD 11	008	-0.60	008	008	WAR				4006	460SI	04/03 RFO
34	3	0.24	97	2	VOL	010	+2.58	010	010					4024	520SI	04/03 RFO
34	6	0.39	113	P 3	TWD 11	008	-0.37	008	008	WAR				4023	520SI	04/03 RFO
		0.40	129	P 3	TWD 10	009	+0.81	009	009	WAR				4023	520SI	04/03 RFO
34	20	0.37	110	P 3	TWD 8	012	+0.87	012	012	WAR				4015	460SI	04/03 RFO
34	22	0.17	40	2	VOL	011	+4.86	011	011					4018	460SI	04/03 RFO
34	23	0.19	48	P 3	TWD 4	007	-0.71	007	007	WAR				4015	460SI	04/03 RFO
34	44	1.60	18	2	TEA	UTE	-0.14	UTE	UTE					2045	460HR	04/03 RFO
34	64	1.95	21	2	TEA	UTE	-0.22	UTE	UTE					2080	460HR	04/03 RFO
34	65	2.17	22	2	TEA	UTE	-0.23	UTE	UTE					2079	460HR	04/03 RFO
34	66	2.08	20	2	TEA	UTE	-0.20	UTE	UTE					2080	460HR	04/03 RFO
34	73	0.29	95	2	VOL	LTS	+20.94	LTS	LTS					4038	520SI	04/03 RFO
34	77	4.29	181	1	DNT	LTS	+16.47	LTS	LTS					4038	520SI	04/03 RFO
34	99	0.97	15	2	TEA	UTE	-0.23	UTE	UTE					2098	460HR	04/03 RFO
34	107	0.34	152	P 3	TWD 7	008	+0.56	008	008					4006	460SI	04/03 RFO
35	2	9.29	179	1	DNT	010	+0.00	010	010					4029	520SI	04/03 RFO
35	6	0.59	118	P 3	TWD 16	008	-0.48	008	008	WAR				4023	520SI	04/03 RFO
35	59	0.22	128	2	VOL	UTE	-1.97	UTE	UTE	CS				2079	460HR	04/03 RFO
		0.24	147	2	VOL	UTE	-8.15	UTE	UTS					6100	460NR	04/03 RFO
35	62	2.67	19	2	TEA	UTE	-0.19	UTE	UTE					2080	460HR	04/03 RFO
35	68	1.69	26	2	TEA	UTE	-0.14	UTE	UTE					2080	460HR	04/03 RFO
35	73	0.43	64	P 3	TWD 10	013	-0.20	013	013	WAR				4038	520SI	04/03 RFO
35	108	0.23	18	2	VOL	008	+0.43	008	008					4006	460SI	04/03 RFO
36	5	6.48	179	1	DNT	UTS	+12.53	UTS	UTS					4029	520SI	04/03 RFO
		11.80	359	1	DNT	LTS	-7.75	LTS	LTS					4062	520SI	04/03 RFO
		10.49	4	P 3	DNT	010	-0.16	010	010					4062	520SI	04/03 RFO
36	6	0.35	70	P 3	TWD 9	010	-0.72	010	010	WAR				4024	520SI	04/03 RFO
		10.63	175	1	DNT	UTS	+12.30	UTS	UTS					4024	520SI	04/03 RFO
36	8	0.94	105	P 3	TWD 21	008	-0.55	008	008	WAR				4024	520SI	04/03 RFO
36	85	0.22	68	2	VOL	006	+16.23	006	006					4006	460SI	04/03 RFO
36	107	0.25	116	2	VOL	UTE	-2.03	UTE	UTE	CS				2106	460HR	04/03 RFO
36	109	0.66	135	P 3	TWD 14	009	+0.74	009	009	WAR				4006	460SI	04/03 RFO
36	110	0.22	104	2	VOL	014	+1.10	014	014					4006	460SI	04/03 RFO
36	113	0.75	148	P 3	TWD 16	008	+0.50	008	008	WAR				4006	460SI	04/03 RFO
37	20	0.10	69	2	VOL	LTS	+13.01	LTS	LTS					4023	520SI	04/03 RFO
37	25	0.12	39	2	VOL	011	-5.64	011	011					4018	460SI	04/03 RFO
37	32	0.16	58	2	VOL	010	+1.60	010	010					4018	460SI	04/03 RFO
37	59	0.72	3	2	DNT	006	+2.77	006	006					4033	520SI	04/03 RFO
37	71	1.34	14	2	TEA	UTE	-0.21	UTE	UTE					2082	460HR	04/03 RFO
37	79	0.33	63	2	VOL	UTS	-13.75	UTS	UTS					4066	520SI	04/03 RFO
38	5	0.50	107	P 3	TWD 13	008	+0.70	008	008	WAR				4029	520SI	04/03 RFO
		0.26	92	P 3	TWD 7	009	+0.68	009	009	WAR				4029	520SI	04/03 RFO
38	6	8.05	182	1	DNT	LTS	-8.16	LTS	LTS					4029	520SI	04/03 RFO
		8.82	177	1	DNT	UTS	+12.96	UTS	UTS					4029	520SI	04/03 RFO
38	8	0.66	94	P 3	TWD 16	008	-0.64	008	008	WAR				4029	520SI	04/03 RFO
38	19	0.16	36	2	VOL	011	+4.88	011	011					4023	520SI	04/03 RFO
38	24	0.14	44	2	VOL	011	-5.31	011	011					4015	460SI	04/03 RFO
38	48	0.49	20	2	SAI	UTE	-3.50	UTE	UTS	URT				2038	460HR	04/03 RFO
		0.49	20	2	TWD 56	UTE	-3.50	UTE	UTS					2038	460HR	04/03 RFO
38	100	0.10	72	2	VOL	013	-3.67	013	013					4007	460SI	04/03 RFO
38	112	0.16	68	2	VOL	010	-3.39	010	010					4007	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
38	115	0.36	95	P	3	TWD	8 008	-0.65	008	008	WAR			4006	460SI	04/03 RFO
39	7	0.15	79	2		VOL	014	-13.99	014	014				4029	520SI	04/03 RFO
39	10	0.41	118	2		VOL	008	-0.77	008	008				4034	520SI	04/03 RFO
		0.32	113	2		VOL	008	+0.67	008	008				4034	520SI	04/03 RFO
39	56	4.61	155	1		DNT	008	+16.33	008	008				4011	460SI	04/03 RFO
39	79	0.35	72	2		VOL	006	+11.08 TO+12.26	006	006				4038	520SI	04/03 RFO
40	4	0.75	91	P	3	TWD	18 009	+0.58	009	009	WAR			4029	520SI	04/03 RFO
40	5	0.64	60	P	3	TWD	16 009	+0.76	009	009	WAR			4029	520SI	04/03 RFO
		0.27	97	2		VOL	010	+3.02	010	010				4029	520SI	04/03 RFO
		0.33	115	P	3	TWD	9 010	+0.67	010	010	WAR			4029	520SI	04/03 RFO
40	6	0.39	101	P	3	TWD	10 009	+0.63	009	009	WAR			4029	520SI	04/03 RFO
		0.40	84	P	3	TWD	11 010	+0.43	010	010	WAR			4029	520SI	04/03 RFO
40	8	0.33	122	P	3	TWD	9 008	-0.66	008	008	WAR			4029	520SI	04/03 RFO
40	80	0.60	83	2		VOL	015	+6.91 TO+8.94	015	015				4038	520SI	04/03 RFO
40	109	0.36	191	2		DNT	014	+11.50	014	014				4007	460SI	04/03 RFO
40	110	5.96	164	1		DNT	LTE	+2.73	LTE	LTS				4057	520SI	04/03 RFO
		0.47	12	2		DNT	LTS	-0.87	LTS	LTS				4007	460SI	04/03 RFO
		0.60	184	2		DNT	LTS	-7.62	LTS	LTS				4007	460SI	04/03 RFO
		0.53	5	2		DNT	LTS	+13.20	LTS	LTS				4007	460SI	04/03 RFO
		0.29	82	2		SAI	UTS	-5.48	UTS	UTS				4007	460SI	04/03 RFO
		0.29	82	2		TWD	17 015	-5.48	UTS	UTS				4007	460SI	04/03 RFO
40	117	0.11	50	2		VOL	UTS	-20.63	UTS	UTS				4006	460SI	04/03 RFO
41	4	0.32	111	2		VOL	012	-0.36	012	012				4034	520SI	04/03 RFO
41	5	0.20	123	2		VOL	010	+0.52	010	010				4034	520SI	04/03 RFO
		0.29	108	2		VOL	010	-15.41	010	010				4034	520SI	04/03 RFO
41	6	0.36	103	P	3	TWD	8 009	+0.59	009	009	WAR			4034	520SI	04/03 RFO
41	45	0.18	67	2		SAI	015	+19.97	015	015				4011	460SI	04/03 RFO
		0.18	67	2		TWD	61 015	+19.97	015	015				4011	460SI	04/03 RFO
41	55	0.35	94	2		VOL	004	-18.39 TO-16.86	004	004				4011	460SI	04/03 RFO
41	62	0.28	63	2		VOL	015	+18.91	015	015				4033	520SI	04/03 RFO
41	113	0.43	133	P	3	TWD	10 008	+0.63	008	008	WAR			4057	520SI	04/03 RFO
42	3	0.30	100	P	3	TWD	6 009	+0.72	009	009	WAR			4034	520SI	04/03 RFO
42	4	0.35	116	2		VOL	009	-0.72	009	009				4034	520SI	04/03 RFO
		0.43	134	P	3	TWD	9 009	+0.72	009	009	WAR			4034	520SI	04/03 RFO
		0.38	72	P	3	TWD	8 010	+0.45	010	010	WAR			4034	520SI	04/03 RFO
42	5	0.53	110	P	3	TWD	11 009	+0.63	009	009	WAR			4034	520SI	04/03 RFO
		0.31	75	P	3	TWD	9 010	+0.58	010	010	WAR			4034	520SI	04/03 RFO
		0.19	104	2		VOL	010	-17.73	010	010				4034	520SI	04/03 RFO
		0.13	117	2		VOL	010	-16.18	010	010				4034	520SI	04/03 RFO
42	14	0.18	54	2		VOL	006	-3.44	006	006				4034	520SI	04/03 RFO
42	79	0.63	16	2		TEA	UTE	-0.18	UTE	UTE				2082	460HR	04/03 RFO
42	112	0.27	38	2		SAI	003	-6.87	003	003				4007	460SI	04/03 RFO
		0.27	38	2		TWD	97 003	-6.87	003	003				4007	460SI	04/03 RFO
		0.21	52	2		SAI	003	-9.15	003	003				4007	460SI	04/03 RFO
		0.21	52	2		TWD	83 003	-9.15	003	003				4007	460SI	04/03 RFO
		0.21	42	2		SAI	003	-12.17	003	003				4007	460SI	04/03 RFO
		0.21	42	2		TWD	94 003	-12.17	003	003				4007	460SI	04/03 RFO
42	114	0.21	71	2		VOL	012	-12.38	012	012				4007	460SI	04/03 RFO
42	117	0.68	65	2		VOL	008	+0.29	008	008				4006	460SI	04/03 RFO
43	6	0.31	123	2		VOL	008	+0.64	008	008				4034	520SI	04/03 RFO
43	7	0.46	113	P	3	TWD	12 008	+0.74	008	008	WAR			4029	520SI	04/03 RFO
43	35	0.15	43	2		VOL	013	+5.50	013	013				4015	460SI	04/03 RFO
43	44	0.10	87	2		SAI	015	+22.32	015	015				4011	460SI	04/03 RFO
		0.10	87	2		TWD	26 015	+22.32	015	015				4011	460SI	04/03 RFO
		0.11	64	2		SAI	015	+22.59	015	015				4011	460SI	04/03 RFO
		0.11	64	2		TWD	65 015	+22.59	015	015				4011	460SI	04/03 RFO
43	112	0.25	61	2		SAI	012	+18.51	012	012				4007	460SI	04/03 RFO
		0.25	61	2		TWD	71 012	+18.51	012	012				4007	460SI	04/03 RFO
		0.19	60	2		SAI	012	+20.80	012	012				4007	460SI	04/03 RFO
		0.19	60	2		TWD	72 012	+20.80	012	012				4007	460SI	04/03 RFO
43	115	0.97	110	P	3	TWD	17 008	+0.59	008	008	WAR			4007	460SI	04/03 RFO
44	4	0.84	75	P	3	TWD	17 014	+0.79	014	014	WAR			4034	520SI	04/03 RFO
44	16	0.09	76	2		VOL	006	-11.83	006	006				4034	520SI	04/03 RFO
44	106	0.23	111	2		VOL	UTE	-3.15	UTE	UTE	CS			2107	460HR	04/03 RFO
45	1	0.90	98	P	3	TWD	17 014	-0.80	014	014	WAR			4034	520SI	04/03 RFO
45	5	0.71	109	P	3	TWD	14 009	+0.67	009	009	WAR			4034	520SI	04/03 RFO
45	61	0.27	97	9		PLP	015	+1.29	015	015				4033	520SI	04/03 RFO
45	62	0.18	67	2		VOL	009	+17.67	009	009				4022	520SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
45	88	0.15	94	2	VOL		008	-7.91	008	008				4008	460SI	04/03 RFO
45	119	0.54	101	P 3	TWD	10	008	-0.62	008	008	WAR			4007	460SI	04/03 RFO
46	3	0.17	90	2	VOL		010	+6.39	010	010				4034	520SI	04/03 RFO
		0.17	81	2	VOL		010	+5.52	010	010				4034	520SI	04/03 RFO
46	4	1.20	103	P 3	TWD	21	010	+0.69	010	010	WAR			4034	520SI	04/03 RFO
		0.20	79	2	VOL		010	-18.87	010	010				4034	520SI	04/03 RFO
46	14	0.98	18	2	TEA		UTE	-0.23	UTE	UTE				2017	460HR	04/03 RFO
46	24	0.59	29	2	SAI		UTE	-1.18	UTE	UTE	TR			2017	460HR	04/03 RFO
		0.59	29	2	TWD	89	UTE	-1.18	UTE	UTE				2017	460HR	04/03 RFO
46	76	0.10	50	2	VOL		008	-9.56	008	008				4022	520SI	04/03 RFO
46	91	0.27	121	2	VOL		UTE	-3.14	UTE	UTE	CS			2110	460HR	04/03 RFO
		0.22	110	2	VOL		UTS	+21.89	UTS	UTS				4008	460SI	04/03 RFO
46	95	0.68	52	P 3	TWD	12	014	-0.58	014	014	WAR			4007	460SI	04/03 RFO
46	99	1.03	91	P 3	TWD	18	011	-0.79	011	011	WAR			4007	460SI	04/03 RFO
47	3	2.26	21	2	TEA		UTE	-0.20	UTE	UTE				2013	460HR	04/03 RFO
47	4	1.08	107	P 3	TWD	20	010	+0.72	010	010	WAR			4034	520SI	04/03 RFO
47	7	0.08	73	2	VOL		003	+14.84	003	003				4034	520SI	04/03 RFO
47	8	0.18	57	2	VOL		014	+5.66	014	014				4034	520SI	04/03 RFO
47	16	1.18	16	2	TEA		UTE	-0.25	UTE	UTE				2014	460HR	04/03 RFO
47	46	0.28	145	2	VOL		014	+0.49	014	014				4011	460SI	04/03 RFO
47	75	1.64	73	2	SAI		013	-5.27	013	013				4022	520SI	04/03 RFO
		1.64	73	2	TWD	31	013	-5.27	013	013				4022	520SI	04/03 RFO
		0.16	62	2	VOL		012	+8.37	012	012				4022	520SI	04/03 RFO
		0.30	63	2	VOL		010	-8.77	010	010				4022	520SI	04/03 RFO
		0.13	58	2	VOL		009	-11.93	009	009				4022	520SI	04/03 RFO
		0.26	54	2	VOL		010	-9.21	010	010				4066	520SI	04/03 RFO
47	85	0.05	41	2	VOL		015	-12.24	015	015				4022	520SI	04/03 RFO
47	103	0.61	64	P 3	TWD	11	012	+0.37	012	012	WAR			4007	460SI	04/03 RFO
47	114	0.32	58	2	VOL		UTS	+13.47	UTS	UTS				4008	460SI	04/03 RFO
47	122	0.78	22	2	SAI		UTE	-1.20	UTE	UTE	TR			2110	460HR	04/03 RFO
		0.78	22	2	TWD	65	UTE	-1.20	UTE	UTE				2110	460HR	04/03 RFO
		0.38	87	2	VOL		015	+18.52	015	015				4017	460SI	04/03 RFO
48	3	0.69	73	P 3	TWD	14	009	+0.43	009	009	WAR			4034	520SI	04/03 RFO
48	29	0.20	40	2	VOL		009	-15.64	009	009				4015	460SI	04/03 RFO
48	30	0.34	112	2	VOL		UTS	+15.13	UTS	UTS				4015	460SI	04/03 RFO
48	38	0.74	16	2	SAI		UTE	-1.13	UTE	UTE	TR			2037	460HR	04/03 RFO
		0.74	16	2	TWD	44	UTE	-1.13	UTE	UTE				2037	460HR	04/03 RFO
48	44	0.29	71	P 3	TWD	7	014	+0.25	014	014	WAR			4015	460SI	04/03 RFO
48	61	3.67	169	1	DNT		008	+16.58	008	008				4041	520SI	04/03 RFO
48	63	0.22	31	P 3	TWD	4	014	+0.08	014	014	WAR			4022	520SI	04/03 RFO
48	82	0.08	87	2	SAI		014	-11.20	014	014				4022	520SI	04/03 RFO
		0.08	87	2	TWD	0	014	-11.20	014	014				4022	520SI	04/03 RFO
		0.13	87	2	SAI		014	-10.34	014	014				4022	520SI	04/03 RFO
		0.13	87	2	TWD	0	014	-10.34	014	014				4022	520SI	04/03 RFO
		0.11	83	2	SAI		014	-9.93	014	014				4022	520SI	04/03 RFO
		0.11	83	2	TWD	0	014	-9.93	014	014				4022	520SI	04/03 RFO
48	88	0.78	17	2	TEA		UTE	-0.23	UTE	UTE				2082	460HR	04/03 RFO
49	10	0.24	92	2	VOL		011	-0.81	011	011				4034	520SI	04/03 RFO
49	48	0.10	70	2	SAI		010	-16.20	010	010				4011	460SI	04/03 RFO
		0.10	70	2	TWD	56	010	-16.20	010	010				4011	460SI	04/03 RFO
		0.09	76	2	SAI		012	-18.78	012	012				4011	460SI	04/03 RFO
		0.09	76	2	TWD	47	012	-18.78	012	012				4011	460SI	04/03 RFO
		0.12	56	2	VOL		014	-11.17	014	014				4011	460SI	04/03 RFO
		0.15	74	2	SAI		UTS	-23.14	UTS	UTS				4011	460SI	04/03 RFO
		0.15	74	2	TWD	50	UTS	-23.14	UTS	UTS				4011	460SI	04/03 RFO
49	56	0.28	66	2	VOL		014	-3.98	014	014				4011	460SI	04/03 RFO
49	76	1.12	17	2	TEA		UTE	-0.24	UTE	UTE				2082	460HR	04/03 RFO
		0.32	63	P 3	TWD	7	014	+0.31	014	014	WAR			4022	520SI	04/03 RFO
49	82	0.20	54	2	VOL		LTS	+18.79	LTS	LTS				4022	520SI	04/03 RFO
49	113	0.43	73	2	VOL		011	+0.69	011	011				4007	460SI	04/03 RFO
50	3	0.81	114	P 3	TWD	15	009	+0.66	009	009	WAR			4034	520SI	04/03 RFO
50	4	0.36	97	2	VOL		009	+14.44	009	009				4034	520SI	04/03 RFO
50	11	0.15	66	2	VOL		008	+7.82	008	008				4034	520SI	04/03 RFO
		0.08	64	2	VOL		009	-9.74	009	009				4034	520SI	04/03 RFO
		0.14	55	2	VOL		011	+3.62	011	011				4034	520SI	04/03 RFO
		0.12	63	2	VOL		012	-11.89	012	012				4034	520SI	04/03 RFO
50	29	0.15	51	2	VOL		014	-4.70	014	014				4015	460SI	04/03 RFO
50	62	0.28	96	2	VOL		013	+0.31	013	013				4041	520SI	04/03 RFO

TO+23.93

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
50	64	0.67	22	2	TEA	UTE	-0.24	UTE	UTE					2117	460HR	04/03	RFO
50	83	2.50	151	1	VOL	006	-15.12	006	006					4022	520SI	04/03	RFO
50	89	0.16	71	2	SAI	015	-10.81	015	015					4008	460SI	04/03	RFO
		0.16	71	2	TWD	43	-10.81	015	015					4008	460SI	04/03	RFO
50	102	1.40	19	2	TEA	UTE	-0.18	UTE	UTE					2111	460HR	04/03	RFO
50	107	0.15	75	2	VOL	014	+6.62	014	014					4008	460SI	04/03	RFO
50	108	0.13	49	2	VOL	012	+6.64	012	012					4008	460SI	04/03	RFO
50	120	0.88	9	2	TEA	UTE	-0.24	UTE	UTE					2111	460HR	04/03	RFO
51	3	0.37	89	P 3	TWD	8	009	+0.69	009	009	WAR			4034	520SI	04/03	RFO
		0.27	90	2	VOL	009	+17.59	TO+20.41	009	009				4034	520SI	04/03	RFO
51	4	0.52	99	2	VOL	010	-24.98	TO-13.17	010	010				4034	520SI	04/03	RFO
51	6	0.09	71	2	VOL	002	+2.61	002	002					4034	520SI	04/03	RFO
51	47	0.10	36	2	VOL	013	+11.63	013	013					4011	460SI	04/03	RFO
51	108	1.50	15	2	TEA	UTE	-0.21	UTE	UTE					2111	460HR	04/03	RFO
51	124	0.74	119	P 3	TWD	13	012	+0.42	012	012	WAR			4007	460SI	04/03	RFO
		0.74	112	1	DNT	015	+0.87	015	015					4007	460SI	04/03	RFO
		4.23	177	1	DNT	UTS	+0.01	UTS	UTS					4007	460SI	04/03	RFO
52	26	0.19	48	2	VOL	013	-8.66	013	013					4037	520SI	04/03	RFO
52	35	0.17	63	2	VOL	LTS	+21.57	LTS	LTS					4015	460SI	04/03	RFO
52	43	0.32	83	P 4	SVI	UTS	+17.23	UTS	UTS					4015	460SI	04/03	RFO
		0.32	83	P 4	TWD	33	UTS	+17.23	UTS	UTS				4015	460SI	04/03	RFO
52	75	0.19	54	2	VOL	012	-15.97	012	012					4041	520SI	04/03	RFO
52	82	0.20	72	P 3	TWD	4	011	-0.71	011	011	WAR			4022	520SI	04/03	RFO
52	91	1.49	13	2	TEA	UTE	-0.19	UTE	UTE					2111	460HR	04/03	RFO
52	113	0.14	103	2	VOL	UTS	-1.41	UTS	UTS					4017	460SI	04/03	RFO
52	121	2.48	19	2	TEA	UTE	-0.20	UTE	UTE					2111	460HR	04/03	RFO
		0.39	108	P 3	TWD	12	010	+0.67	010	010	WAR			4057	520SI	04/03	RFO
52	122	2.74	18	2	TEA	UTE	-0.23	UTE	UTE					2110	460HR	04/03	RFO
53	7	0.29	113	2	VOL	009	-0.72	009	009					4062	520SI	04/03	RFO
53	28	0.16	59	2	VOL	UTS	-13.88	UTS	UTS					4015	460SI	04/03	RFO
53	54	0.14	32	2	VOL	015	-18.12	015	015					4011	460SI	04/03	RFO
53	71	0.34	23	2	VOL	014	+0.38	014	014					4041	520SI	04/03	RFO
53	77	0.19	54	2	VOL	004	-14.07	004	004					4041	520SI	04/03	RFO
53	86	0.20	79	2	VOL	008	+8.10	008	008					4022	520SI	04/03	RFO
53	111	0.74	9	2	TEA	UTE	-0.24	UTE	UTE					2111	460HR	04/03	RFO
54	41	0.18	60	2	VOL	009	+5.83	009	009					4015	460SI	04/03	RFO
54	93	0.12	49	2	VOL	004	-8.63	004	004					4008	460SI	04/03	RFO
55	45	0.17	56	2	VOL	008	+11.03	008	008					4015	460SI	04/03	RFO
55	48	0.30	101	2	VOL	UTE	-2.24	UTE	UTE	CS				2054	460HR	04/03	RFO
		0.09	63	2	VOL	007	+10.29	007	007					4044	520SI	04/03	RFO
55	76	0.19	134	2	VOL	014	+0.21	014	014					4041	520SI	04/03	RFO
55	79	0.40	71	2	VOL	015	+17.25	015	015					4022	520SI	04/03	RFO
56	32	0.20	56	2	VOL	012	-4.30	012	012					4015	460SI	04/03	RFO
56	39	0.10	56	2	VOL	012	+10.77	012	012					4015	460SI	04/03	RFO
56	54	0.16	66	2	VOL	013	-7.05	013	013					4044	520SI	04/03	RFO
56	83	0.19	141	2	SAI	UTS	-6.97	UTS	UTS					4022	520SI	04/03	RFO
		0.19	141	2	TWD	0	UTS	-6.97	UTS	UTS				4022	520SI	04/03	RFO
56	93	12.51	176	1	DNT	UTS	+6.67	UTS	UTS					4008	460SI	04/03	RFO
56	110	0.09	87	2	VOL	011	+1.35	011	011					4017	460SI	04/03	RFO
56	123	0.17	44	2	TWD	77	015	-9.45	015	015				4017	460SI	04/03	RFO
		0.12	35	2	SAI	015	-9.45	015	015					4017	460SI	04/03	RFO
56	127	0.75	81	P 3	TWD	14	011	+0.56	011	011	WAR			4007	460SI	04/03	RFO
57	1	13.48	170	1	DNT	LTS	-13.28	LTS	LTS					4037	520SI	04/03	RFO
		9.21	179	1	DNT	UTS	+13.35	UTS	UTS					4037	520SI	04/03	RFO
57	2	5.97	185	1	DNT	LTS	-12.87	LTS	LTS					4037	520SI	04/03	RFO
		9.88	184	1	DNT	UTS	+13.69	UTS	UTS					4037	520SI	04/03	RFO
57	10	0.15	77	2	VOL	011	+1.19	011	011					4037	520SI	04/03	RFO
57	16	0.42	39	2	MAI	UTE	-3.51	UTE	UTS	URT				2052	460HR	04/03	RFO
		0.42	39	2	TWD	97	UTE	-3.51	UTE	UTS				2052	460HR	04/03	RFO
57	55	0.12	63	2	VOL	011	-8.07	011	011					4044	520SI	04/03	RFO
		0.21	63	2	VOL	LTS	+3.67	LTS	LTS					4044	520SI	04/03	RFO
		0.12	45	2	VOL	LTS	+3.87	LTS	LTS					3001	460TS	04/03	RFO
57	60	0.12	64	2	VOL	013	-8.34	013	013					4044	520SI	04/03	RFO
57	93	0.14	40	2	VOL	008	+16.47	008	008					4008	460SI	04/03	RFO
57	114	0.11	71	2	VOL	011	+7.45	011	011					4017	460SI	04/03	RFO
57	122	0.28	59	P 3	TWD	8	010	+0.46	010	010	WAR			4057	520SI	04/03	RFO
58	3	10.75	180	1	DNT	LTS	-13.51	LTS	LTS					4037	520SI	04/03	RFO
		0.25	120	P 3	TWD	6	010	-0.07	010	010	WAR			4037	520SI	04/03	RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		9.48	185	1	DNT		UTS	+13.80	UTS	UTS				4037	520SI	04/03 RFO
		8.17	184	1	DNT		UTS	+13.09	UTS	UTS				4037	520SI	04/03 RFO
58	4	0.33	124	P 3	TWD	8	009	+0.62	009	009	WAR			4037	520SI	04/03 RFO
58	41	6.89	177	1	DNT		UTS	+8.73	UTS	UTS				4015	460SI	04/03 RFO
58	94	0.17	66	2	VOL		003	-15.18	003	003				4008	460SI	04/03 RFO
58	124	0.29	138	P 3	TWD	5	009	-0.70	009	009	WAR			4007	460SI	04/03 RFO
58	125	1.03	127	P 3	TWD	18	009	+0.64	009	009	WAR			4007	460SI	04/03 RFO
58	129	0.15	43	2	SAI		015	-4.13	015	015				4017	460SI	04/03 RFO
		0.15	43	2	TWD	79	015	-4.13	015	015				4017	460SI	04/03 RFO
59	1	12.98	168	1	DNT		LTS	-13.16	LTS	LTS				4037	520SI	04/03 RFO
59	5	8.91	182	1	DNT		LTS	+14.76	LTS	LTS				4037	520SI	04/03 RFO
59	8	0.62	80	P 3	TWD	15	009	-0.58	009	009	WAR			4037	520SI	04/03 RFO
59	17	0.19	63	2	SAI		011	-7.05	011	011				4037	520SI	04/03 RFO
		0.19	63	2	TWD	67	011	-7.05	011	011				4037	520SI	04/03 RFO
		0.23	58	2	SAI		011	-5.85	011	011				4037	520SI	04/03 RFO
		0.23	58	2	TWD	75	011	-5.85	011	011				4037	520SI	04/03 RFO
59	25	0.83	19	2	MAI		UTE	-1.16	UTE	UTE	TR			2014	460HR	04/03 RFO
		0.83	19	2	TWD	52	UTE	-1.16	UTE	UTE				2014	460HR	04/03 RFO
59	39	0.24	49	2	VOL		010	-14.19	010	010				4015	460SI	04/03 RFO
		0.26	60	2	VOL		015	+14.99	015	015				4015	460SI	04/03 RFO
59	96	0.33	83	2	VOL		013	+0.80	013	013				4007	460SI	04/03 RFO
59	101	4.89	163	1	DNT		001	+6.09	001	001				4017	460SI	04/03 RFO
59	118	0.51	84	P 3	TWD	9	008	-0.77	008	008	WAR			4007	460SI	04/03 RFO
		0.34	148	P 3	TWD	6	009	-0.55	009	009	WAR			4007	460SI	04/03 RFO
59	121	0.25	63	2	VOL		010	-14.01	010	010				4057	520SI	04/03 RFO
		0.73	118	P 3	TWD	20	010	-0.62	010	010	WAR			4057	520SI	04/03 RFO
		1.44	115	P 3	TWD	24	009	+0.57	009	009	WAR			4007	460SI	04/03 RFO
60	115	5.47	168	1	DNT		014	-2.37	014	014				4020	520SI	04/03 RFO
60	117	1.70	170	1	DNT		015	+12.09	015	015				4020	520SI	04/03 RFO
60	118	0.56	24	2	SAI		014	-2.70	014	014				4007	460SI	04/03 RFO
		0.56	24	2	TWD	63	014	-2.70	014	014				4007	460SI	04/03 RFO
60	124	0.85	82	P 3	TWD	15	009	-0.78	009	009	WAR			4007	460SI	04/03 RFO
61	2	0.19	71	2	VOL		014	+1.26	014	014				4023	520SI	04/03 RFO
		0.25	65	2	TWD	58	014	-1.72	014	014				4023	520SI	04/03 RFO
		0.48	60	2	TWD	65	014	-1.23	014	014				4023	520SI	04/03 RFO
		0.25	65	2	SAI		014	-1.72	014	014				4023	520SI	04/03 RFO
		0.48	60	2	SAI		014	-1.23	014	014				4023	520SI	04/03 RFO
61	28	0.31	98	2	VOL		UTS	+17.92	UTS	UTS				4037	520SI	04/03 RFO
61	58	0.33	140	2	VOL		013	+0.01	013	013				4044	520SI	04/03 RFO
61	85	4.48	177	1	DNT		UTS	-5.94	UTS	UTS				4022	520SI	04/03 RFO
		0.27	86	2	VOL		015	+0.83	015	015				4022	520SI	04/03 RFO
61	88	1.25	56	2	SAI		013	-2.61	013	013				4022	520SI	04/03 RFO
		1.25	56	2	TWD	78	013	-2.61	013	013				4022	520SI	04/03 RFO
61	103	6.60	169	1	DNT		001	+6.24	001	001				4020	520SI	04/03 RFO
61	108	0.11	63	2	VOL		014	-12.58	014	014				4020	520SI	04/03 RFO
61	110	7.60	161	1	DNT		LTE	+11.16	LTE	LTE				4020	520SI	04/03 RFO
61	111	0.14	101	2	VOL		014	+0.75	014	014				4020	520SI	04/03 RFO
		0.18	72	2	VOL		001	-11.29	001	001				4020	520SI	04/03 RFO
61	121	0.74	103	P 3	TWD	13	009	-0.75	009	009	WAR			4007	460SI	04/03 RFO
61	122	0.89	74	P 3	TWD	16	009	-0.66	009	009	WAR			4007	460SI	04/03 RFO
		0.61	133	P 3	TWD	11	009	+0.61	009	009	WAR			4007	460SI	04/03 RFO
		0.41	82	2	VOL		010	-19.22	010	010				4007	460SI	04/03 RFO
		0.24	90	2	VOL		010	-5.08	010	010				4007	460SI	04/03 RFO
62	4	0.59	84	P 3	VOL		001	-11.91	001	001				4037	520SI	04/03 RFO
62	7	0.43	67	P 3	TWD	10	009	-0.68	009	009	WAR			4042	520SI	04/03 RFO
62	30	0.39	79	2	SAI		UTE	-0.43	UTE	UTE	CL/CS			2036	460HR	04/03 RFO
		0.39	79	2	TWD	33	UTE	-0.43	UTE	UTE				2036	460HR	04/03 RFO
62	67	0.26	146	2	SAI		LTS	-5.11	LTS	LTS				3019	460TS	04/03 RFO
		0.26	146	2	TWD	0	LTS	-5.11	LTS	LTS				3019	460TS	04/03 RFO
62	107	0.25	69	2	SVI		UTE	-0.20	UTE	UTE	CL			2113	460HR	04/03 RFO
		0.25	69	2	TWD	38	UTE	-0.20	UTE	UTE				2113	460HR	04/03 RFO
		0.24	76	2	SVI		UTE	-1.13	UTE	UTE	TR			2113	460HR	04/03 RFO
		0.24	76	2	TWD	25	UTE	-1.13	UTE	UTE				2113	460HR	04/03 RFO
62	112	7.03	163	1	DNT		LTE	+10.25	LTE	LTE				4020	520SI	04/03 RFO
62	115	0.31	78	2	VOL		014	+1.43	014	014				4020	520SI	04/03 RFO
62	129	2.77	159	1	DNT		015	-0.42	015	015				4020	520SI	04/03 RFO
63	38	0.19	61	2	VOL		010	+12.69	010	010				4015	460SI	04/03 RFO
63	59	0.49	81	P 3	TWD	7	013	+0.79	013	013	WAR			4045	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
63	66	0.53	147	P 3	TWD	12	014	+0.76	014	014	WAR			4051	520SI	04/03 RFO
63	72	0.14	136	2	VOL		014	+0.52	014	014				4051	520SI	04/03 RFO
63	113	6.32	170	1	DNT		LTE	+11.30	LTE	LTE				4020	520SI	04/03 RFO
63	114	7.63	175	1	DNT		LTE	+11.44	LTE	LTE				4020	520SI	04/03 RFO
64	35	0.14	122	2	VOL		UTE	-2.75	UTE	UTE	CS			2038	460HR	04/03 RFO
64	48	0.10	75	2	VOL		014	-8.70	014	014				4015	460SI	04/03 RFO
64	105	0.43	14	2	SAI		UTE	-1.33	UTE	UTE	TR			2112	460HR	04/03 RFO
		0.43	14	2	TWD	40	UTE	-1.33	UTE	UTE				2112	460HR	04/03 RFO
64	124	0.99	83	P 3	TWD	18	009	-0.62	009	009	WAR			4007	460SI	04/03 RFO
64	127	0.50	93	2	VOL		010	-4.50	010	010				4007	460SI	04/03 RFO
		0.14	95	2	VOL		015	-0.31	015	015				4007	460SI	04/03 RFO
64	128	2.07	163	1	DNT		015	-0.53	015	015				4020	520SI	04/03 RFO
65	11	0.95	10	2	TEA		UTE	-0.21	UTE	UTE				2007	460HR	04/03 RFO
65	17	0.11	106	2	VOL		006	-6.06	006	006				4042	520SI	04/03 RFO
65	65	0.11	71	2	VOL		006	+15.11	006	006				4051	520SI	04/03 RFO
65	69	0.17	56	2	VOL		006	-6.88	006	006				4051	520SI	04/03 RFO
65	76	0.13	60	2	VOL		009	-19.42	009	009				4051	520SI	04/03 RFO
65	78	0.08	25	2	VOL		010	-6.51	010	010				4051	520SI	04/03 RFO
65	85	0.29	71	2	SAI		012	+10.48	012	012				4022	520SI	04/03 RFO
		0.29	71	2	TWD	45	012	+10.48	012	012				4022	520SI	04/03 RFO
		0.16	85	2	SAI		012	+9.91	012	012				4022	520SI	04/03 RFO
		0.16	85	2	TWD	0	012	+9.91	012	012				4022	520SI	04/03 RFO
65	95	0.93	60	2	VOL		004	-10.65	004	004				4020	520SI	04/03 RFO
65	99	0.25	63	2	VOL		009	+16.77	009	009				4020	520SI	04/03 RFO
		0.16	55	2	VOL		009	-1.85	009	009				4020	520SI	04/03 RFO
65	126	0.45	64	P 3	TWD	13	009	-0.58	009	009	WAR			4057	520SI	04/03 RFO
		0.62	177	2	DNT		UTS	+7.47	UTS	UTS				4007	460SI	04/03 RFO
65	127	0.62	54	P 3	TWD	16	008	-0.66	008	008	WAR			4057	520SI	04/03 RFO
		0.61	58	P 3	TWD	17	009	-0.58	009	009	WAR			4057	520SI	04/03 RFO
		0.54	89	2	VOL		010	-17.83	010	010				4007	460SI	04/03 RFO
65	129	0.49	82	2	VOL		010	-1.59	010	010				4020	520SI	04/03 RFO
66	69	0.08	68	2	VOL		012	-15.41	012	012				4051	520SI	04/03 RFO
66	81	0.16	110	2	VOL		UTE	-1.91	UTE	UTE	CS			2119	460HR	04/03 RFO
66	101	1.04	16	2	VOL		014	+3.25	014	014				4020	520SI	04/03 RFO
66	108	0.93	79	2	SAI		015	+5.31	015	015				4020	520SI	04/03 RFO
		0.93	79	2	TWD	37	015	+5.31	015	015				4020	520SI	04/03 RFO
66	127	0.59	100	2	VOL		010	-11.18	010	010				4004	460SI	04/03 RFO
66	129	0.28	104	P 3	TWD	7	009	-0.52	009	009	WAR			4004	460SI	04/03 RFO
66	131	0.05	121	2	VOL		015	+5.34	015	015				4004	460SI	04/03 RFO
67	1	6.26	180	1	DNT		010	-1.38	010	010				4013	460SI	04/03 RFO
67	69	1.59	110	1	VOL		LTS	-17.38	LTS	LTS				4051	520SI	04/03 RFO
67	84	0.07	71	2	VOL		014	+2.50	014	014				4022	520SI	04/03 RFO
67	86	1.63	21	2	TEA		UTE	-0.25	UTE	UTE				2088	460HR	04/03 RFO
67	105	1.51	17	2	TEA		UTE	-0.23	UTE	UTE				2115	460HR	04/03 RFO
67	122	0.86	9	2	TEA		UTE	-0.21	UTE	UTE				2114	460HR	04/03 RFO
68	40	0.54	104	2	VOL		014	-0.05	014	014				4015	460SI	04/03 RFO
68	73	0.95	17	2	TEA		UTE	-0.09	UTE	UTE				2123	460HR	04/03 RFO
68	82	0.13	41	2	VOL		013	+16.79	013	013				4022	520SI	04/03 RFO
68	84	0.16	93	2	VOL		UTE	-1.50	UTE	UTE	TR			2087	460HR	04/03 RFO
68	86	1.03	18	2	TEA		UTE	-0.19	UTE	UTE				2088	460HR	04/03 RFO
68	106	1.09	13	2	TEA		UTE	-0.23	UTE	UTE				2115	460HR	04/03 RFO
68	113	0.63	40	2	VOL		LTS	+2.52	LTS	LTS				4057	520SI	04/03 RFO
68	123	0.29	0	P 3	TWD	10	009	-0.67	009	009	WAR			4004	460SI	04/03 RFO
68	131	0.07	65	2	SAI		015	+4.70	015	015				4004	460SI	04/03 RFO
		0.07	65	2	TWD	65	015	+4.70	015	015				4004	460SI	04/03 RFO
		0.13	66	2	SAI		015	+3.67	015	015				4004	460SI	04/03 RFO
		0.13	66	2	TWD	64	015	+3.67	015	015				4004	460SI	04/03 RFO
		0.18	69	2	SAI		015	+1.21	015	015				4004	460SI	04/03 RFO
		0.18	69	2	TWD	61	015	+1.21	015	015				4004	460SI	04/03 RFO
69	19	10.67	177	1	DNT		003	+4.98	003	003				4042	520SI	04/03 RFO
69	25	0.27	60	2	VOL		004	+6.76	004	004				4042	520SI	04/03 RFO
		0.37	55	2	VOL		004	-13.16	004	004				4042	520SI	04/03 RFO
69	72	0.94	16	2	TEA		UTE	-0.10	UTE	UTE				2123	460HR	04/03 RFO
69	79	0.06	54	2	VOL		007	-1.60	007	007				4051	520SI	04/03 RFO
69	80	0.09	49	2	VOL		LTS	+21.93	LTS	LTS				4051	520SI	04/03 RFO
69	81	0.31	114	P 1	TWD	29	UTE	-2.68	UTE	UTE				2040	460HR	04/03 RFO
		0.31	113	P 1	SVI		UTE	-2.68	UTE	UTE	CS			2040	460HR	04/03 RFO
		0.23	103	2	VOL		UTS	+12.88	UTS	UTS				4051	520SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	\$TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
69	103	1.11	10	2	SVI		013	-14.56	013	013				4004	460SI	04/03 RFO
		1.11	10	2	TWD	34	013	-14.56	013	013				4004	460SI	04/03 RFO
69	131	13.85	169	1	DNT		010	-0.13	010	010				4057	520SI	04/03 RFO
70	1	5.34	20	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1001	400PS	04/03 RFO
70	3	0.30	127	2	VOL		014	+0.28	014	014				4012	460SI	04/03 RFO
70	36	0.42	43	P 3	TWD	10	010	-0.72	010	010	WAR			4015	460SI	04/03 RFO
70	50	0.62	73	P 3	TWD	8	013	+0.73	013	013	WAR			4045	460SI	04/03 RFO
70	87	0.18	90	2	SAI		010	-10.92	010	010				4022	520SI	04/03 RFO
		0.18	90	2	TWD	0	010	-10.92	010	010				4022	520SI	04/03 RFO
70	94	0.20	74	2	VOL		004	-14.67	004	004				4020	520SI	04/03 RFO
70	111	0.70	101	2	VOL		006	-0.54	006	006				4004	460SI	04/03 RFO
70	131	0.13	118	2	VOL		015	+0.40	015	015				4004	460SI	04/03 RFO
		0.22	91	2	VOL		010	+5.72	010	010				4004	460SI	04/03 RFO
71	1	2.85	17	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1001	400PS	04/03 RFO
71	2	4.37	19	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1001	400PS	04/03 RFO
71	3	3.83	30	P 1	DRS		UTE	-0.76	UTE	UTE	SLV			1002	400PS	04/03 RFO
71	4	4.95	26	P 1	DRS		UTE	-0.73	UTE	UTE	SLV			1002	400PS	04/03 RFO
71	5	0.40	99	P 3	TWD	13	009	-0.72	009	009	WAR			4012	460SI	04/03 RFO
71	6	0.10	69	2	VOL		006	+7.93	006	006				4012	460SI	04/03 RFO
		0.27	124	2	VOL		011	+0.44	011	011				4012	460SI	04/03 RFO
71	68	0.15	53	2	VOL		002	-4.29	002	002				4051	520SI	04/03 RFO
71	81	0.19	104	2	VOL		UTE	-1.71	UTE	UTE	CS			2087	460HR	04/03 RFO
71	88	7.87	163	1	DNT		002	+11.83	002	002				4022	520SI	04/03 RFO
71	125	0.27	94	P 3	TWD	7	010	+0.23	010	010	WAR			4004	460SI	04/03 RFO
71	131	0.10	55	2	VOL		015	+0.45	015	015				4004	460SI	04/03 RFO
72	3	1.89	29	P 1	DRS		UTE	-0.73	UTE	UTE	SLV			1002	400PS	04/03 RFO
72	12	0.55	147	P 3	TWD	12	012	+0.53	012	012	WAR			4042	520SI	04/03 RFO
72	13	0.29	142	2	VOL		012	+0.32	012	012				4042	520SI	04/03 RFO
72	19	0.25	82	2	VOL		011	+0.53	011	011				4042	520SI	04/03 RFO
72	41	0.17	135	P 3	TWD	6	010	+0.51	010	010	WAR			4063	460SI	04/03 RFO
72	58	0.13	148	2	VOL		014	-0.12	014	014				4049	520SI	04/03 RFO
72	83	0.09	35	2	VOL		015	-3.11	015	015				4022	520SI	04/03 RFO
72	85	1.17	17	2	TEA		UTE	-0.24	UTE	UTE				2087	460HR	04/03 RFO
72	95	0.19	170	2	VOL		UTE	-2.45	UTE	UTE	CS			2117	460HR	04/03 RFO
72	99	0.08	52	2	VOL		014	+1.05	014	014				4004	460SI	04/03 RFO
72	129	0.17	60	2	SAI		004	+7.21	004	004				4004	460SI	04/03 RFO
		0.17	60	2	TWD	70	004	+7.21	004	004				4004	460SI	04/03 RFO
72	130	0.19	91	2	VOL		015	-0.05	015	015				4004	460SI	04/03 RFO
73	1	4.13	24	P 1	DRS		UTE	-0.78	UTE	UTE	SLV			1001	400PS	04/03 RFO
73	6	0.29	135	P 3	TWD	10	012	+0.61	012	012	WAR			4012	460SI	04/03 RFO
73	9	0.56	53	P 3	TWD	17	013	+0.53	013	013	WAR			4012	460SI	04/03 RFO
73	29	0.26	131	2	VOL		011	+0.49	011	011				4042	520SI	04/03 RFO
73	64	1.47	21	2	TEA		UTE	-0.25	UTE	UTE				2124	460HR	04/03 RFO
73	66	1.62	22	2	TEA		UTE	-0.19	UTE	UTE				2124	460HR	04/03 RFO
73	71	1.24	18	2	TEA		UTE	-0.23	UTE	UTE				2123	460HR	04/03 RFO
73	77	1.74	20	2	TEA		UTE	-0.13	UTE	UTE				2041	460HR	04/03 RFO
73	93	0.06	86	2	SAI		009	+5.70	009	009				4004	460SI	04/03 RFO
		0.06	86	2	TWD	44	009	+5.70	009	009				4004	460SI	04/03 RFO
73	103	0.11	65	2	VOL		010	-12.59	010	010				4004	460SI	04/03 RFO
73	125	0.20	84	P 3	TWD	5	010	+0.46	010	010	WAR			4004	460SI	04/03 RFO
		0.26	44	P 3	TWD	7	010	-0.41	010	010	WAR			4004	460SI	04/03 RFO
74	1	3.50	26	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1001	400PS	04/03 RFO
		8.37	183	1	DNT		LTS	-13.80	LTS	LTS				4013	460SI	04/03 RFO
74	9	3.79	15	P 1	DRS		UTE	-0.88	UTE	UTE	SLV			1005	400PS	04/03 RFO
74	47	0.05	57	2	VOL		015	+13.88	015	015				4049	520SI	04/03 RFO
74	63	0.54	156	P 3	TWD	12	006	+0.71	006	006	WAR			4048	520SI	04/03 RFO
74	80	2.26	22	2	TEA		UTE	-0.14	UTE	UTE				2088	460HR	04/03 RFO
74	84	0.98	15	2	TEA		UTE	-0.20	UTE	UTE				2088	460HR	04/03 RFO
74	99	0.36	114	2	SAI		014	-4.54	014	014				4004	460SI	04/03 RFO
		0.36	114	2	TWD	2	014	-4.54	014	014				4004	460SI	04/03 RFO
74	105	0.12	72	2	SAI		015	+10.07	015	015				4004	460SI	04/03 RFO
		0.12	72	2	TWD	57	015	+10.07	015	015				4004	460SI	04/03 RFO
74	125	0.57	38	2	TEA		UTE	-0.15	UTE	UTE				2114	460HR	04/03 RFO
75	1	8.32	24	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1001	400PS	04/03 RFO
		7.88	178	1	DNT		LTS	-13.32	LTS	LTS				4013	460SI	04/03 RFO
75	4	5.49	24	P 1	DRS		UTE	-0.74	UTE	UTE	SLV			1003	400PS	04/03 RFO
		5.23	31	P 1	DRS		UTE	-0.74	UTE	UTE	SLV			1002	400PS	04/03 RFO
75	13	3.94	16	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1005	400PS	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
75	14	3.76	23	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1005	400PS	04/03	RFO
75	15	2.45	29	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1004	400PS	04/03	RFO
75	18	3.16	24	P 1	DRS		UTE	-0.64	UTE	UTE	SLV			1004	400PS	04/03	RFO
75	20	1.79	33	P 1	DRS		UTE	-0.60	UTE	UTE	SLV			1004	400PS	04/03	RFO
75	21	4.24	25	P 1	DRS		UTE	-0.66	UTE	UTE	SLV			1004	400PS	04/03	RFO
		0.14	51	2	VOL		008	+12.76	008	008				4013	460SI	04/03	RFO
75	26	2.25	32	P 1	DRS		015	-3.61	015	015	SLV			1004	400PS	04/03	RFO
75	27	1.80	29	P 2	DRS		UTE	-2.78	UTE	UTE	SLV			1004	400PS	04/03	RFO
75	30	3.81	25	P 1	DRS		UTE	-0.63	UTE	UTE	SLV			1004	400PS	04/03	RFO
75	37	3.22	52	P 1	PVN		UTE	-0.49	UTE	UTS	SLV			1001	400PS	04/03	RFO
75	40	1.44	49	P 1	DRS		UTE	-0.49	UTE	UTS	SLV			1001	400PS	04/03	RFO
75	99	0.16	59	2	VOL		012	-4.18	012	012				4004	460SI	04/03	RFO
75	121	0.19	152	P 3	TWD	5	003	-0.72	003	003	WAR			4004	460SI	04/03	RFO
75	126	0.07	67	2	SAI		015	+1.34	015	015				4004	460SI	04/03	RFO
		0.07	67	2	TWD	63	015	+1.34	015	015				4004	460SI	04/03	RFO
76	76	0.10	68	2	VOL		006	+13.38	006	006				4052	460SI	04/03	RFO
		0.08	51	2	VOL		006	+15.33	006	006				4052	460SI	04/03	RFO
		0.09	71	2	VOL		009	+3.29	009	009				4052	460SI	04/03	RFO
		0.22	66	2	VOL		009	+0.44	009	009				4052	460SI	04/03	RFO
77	3	6.58	23	P 1	DRS		UTE	-0.81	UTE	UTS	SLV			1001	400PS	04/03	RFO
		5.55	171	1	DNT		LTS	-12.94	LTS	LTS				4013	460SI	04/03	RFO
77	5	4.29	20	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1003	400PS	04/03	RFO
77	6	4.63	20	P 1	DRS		UTE	-0.90	UTE	UTE	SLV			1003	400PS	04/03	RFO
77	8	4.60	20	P 1	DRS		UTE	-0.77	UTE	UTE	SLV			1003	400PS	04/03	RFO
		5.07	181	1	DNT		LTS	-13.27	LTS	LTS				4013	460SI	04/03	RFO
77	22	3.51	26	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1004	400PS	04/03	RFO
		6.47	176	1	DNT		LTS	-12.97	LTS	LTS				4013	460SI	04/03	RFO
77	23	2.32	26	P 1	DRS		UTE	-0.83	UTE	UTE	SLV			1004	400PS	04/03	RFO
77	24	2.80	22	P 1	DRS		UTE	-0.81	UTE	UTE	SLV			1004	400PS	04/03	RFO
77	25	4.79	32	P 1	DRS		UTE	-0.79	UTE	UTE	SLV			1004	400PS	04/03	RFO
		0.14	67	2	VOL		011	+7.53	011	011				4031	460SI	04/03	RFO
77	26	3.53	26	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1004	400PS	04/03	RFO
77	27	5.95	29	P 1	DRS		UTE	-0.82	UTE	UTE	SLV			1004	400PS	04/03	RFO
77	29	1.71	29	P 1	DRS		UTE	-0.83	UTE	UTE	SLV			1004	400PS	04/03	RFO
77	30	1.80	26	P 1	DRS		UTE	-0.68	UTE	UTE	SLV			1004	400PS	04/03	RFO
77	31	1.38	53	P 1	VOL		UTE	-0.53	UTE	UTS	SLV			1004	400PS	04/03	RFO
		1.52	30	P 1	DRS		UTE	-2.33	UTE	UTS	SLV			1004	400PS	04/03	RFO
77	38	6.66	68	P 2	PVN		UTE	-0.55	UTE	UTS	SLV			1001	400PS	04/03	RFO
77	44	0.40	67	P 3	TWD	8	003	-0.72	003	003	WAR			4049	520SI	04/03	RFO
77	50	0.30	90	2	VOL		007	-0.88	007	007				4054	520SI	04/03	RFO
77	65	0.14	81	2	TWD	1	014	+3.21	014	014				4048	520SI	04/03	RFO
		0.06	86	2	SAI		012	-4.43	012	012				4048	520SI	04/03	RFO
		0.06	86	2	TWD	1	012	-4.43	012	012				4048	520SI	04/03	RFO
		0.04	76	2	SAI		012	-2.73	012	012				4048	520SI	04/03	RFO
		0.04	76	2	TWD	8	012	-2.73	012	012				4048	520SI	04/03	RFO
		0.18	68	2	SAI		012	-1.62	012	012				4048	520SI	04/03	RFO
		0.18	68	2	TWD	46	012	-1.62	012	012				4048	520SI	04/03	RFO
		0.14	72	2	SAI		014	-2.05	014	014				4048	520SI	04/03	RFO
		0.14	72	2	TWD	30	014	-2.05	014	014				4048	520SI	04/03	RFO
		0.14	81	2	SAI		014	+3.21	014	014				4048	520SI	04/03	RFO
77	66	0.08	41	2	VOL		015	+9.51	015	015				4048	520SI	04/03	RFO
77	97	0.06	46	2	VOL		011	+13.83	011	011				4036	460SI	04/03	RFO
77	98	1.11	20	2	TEA		UTE	-0.23	UTE	UTE				2016	460HR	04/03	RFO
77	119	0.46	163	P 3	TWD	9	010	+0.46	010	010	WAR			4014	460SI	04/03	RFO
77	121	0.51	141	P 3	TWD	9	010	+0.41	010	010	WAR			4014	460SI	04/03	RFO
78	3	7.78	21	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1001	400PS	04/03	RFO
78	9	6.94	0	1	DNT		LTS	-14.89	LTS	LTS				4013	460SI	04/03	RFO
		3.23	0	1	DNT		LTS	-13.31	LTS	LTS				4013	460SI	04/03	RFO
78	10	8.27	178	1	DNT		LTS	-15.10	LTS	LTS				4013	460SI	04/03	RFO
		8.17	179	1	DNT		LTS	-12.72	LTS	LTS				4013	460SI	04/03	RFO
		3.48	179	1	DNT		LTS	-11.18	LTS	LTS				4013	460SI	04/03	RFO
78	11	7.65	180	1	DNT		LTS	-13.76	LTS	LTS				4013	460SI	04/03	RFO
		7.11	178	1	DNT		LTS	-12.50	LTS	LTS				4013	460SI	04/03	RFO
78	12	3.72	24	P 1	DRS		UTE	-0.70	UTE	UTE	SLV			1004	400PS	04/03	RFO
		5.10	1	1	DNT		LTS	-14.14	LTS	LTS				4013	460SI	04/03	RFO
78	13	4.03	27	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1004	400PS	04/03	RFO
		7.19	179	1	DNT		LTS	-16.69	LTS	LTS				4013	460SI	04/03	RFO
		5.44	178	1	DNT		LTS	-13.98	LTS	LTS				4013	460SI	04/03	RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
78	14	4.85	181	1	DNT		LTS	-16.85	LTS	LTS				4013	460SI	04/03 RFO
		8.77	183	1	DNT		LTS	-13.81	LTS	LTS				4013	460SI	04/03 RFO
		0.15	60	2	VOL		009	+11.30	009	009				4013	460SI	04/03 RFO
78	15	0.61	31	P 3	VOL		015	+0.85	015	015	TUB			1004	400PS	04/03 RFO
		6.20	177	1	DNT		LTS	-13.25	LTS	LTS				4013	460SI	04/03 RFO
78	17	5.69	180	1	DNT		LTS	-13.68	LTS	LTS				4013	460SI	04/03 RFO
		7.00	181	1	DNT		LTS	-12.96	LTS	LTS				4013	460SI	04/03 RFO
78	18	3.58	25	P 1	DRS		UTE	-0.80	UTE	UTE	SLV			1004	400PS	04/03 RFO
		6.90	177	1	DNT		LTS	-13.15	LTS	LTS				4013	460SI	04/03 RFO
78	19	7.82	182	1	DNT		LTS	-16.28	LTS	LTS				4013	460SI	04/03 RFO
		4.90	181	1	DNT		LTS	-13.30	LTS	LTS				4013	460SI	04/03 RFO
		2.14	186	1	DNT		LTS	-12.15	LTS	LTS				4013	460SI	04/03 RFO
78	20	5.20	180	1	DNT		LTS	-16.26	LTS	LTS				4013	460SI	04/03 RFO
		7.68	180	1	DNT		LTS	-13.41	LTS	LTS				4013	460SI	04/03 RFO
78	21	6.15	177	1	DNT		LTS	-13.32	LTS	LTS				4013	460SI	04/03 RFO
78	23	0.93	36	P 1	DRS		UTE	-0.71	UTE	UTE	SLV			1004	400PS	04/03 RFO
78	24	3.48	25	P 1	VOL		UTE	-0.69	UTE	UTE	SLV			1004	400PS	04/03 RFO
78	34	0.59	91	P 3	TWD	15	004	-0.72	004	004	WAR			4031	460SI	04/03 RFO
78	42	0.57	54	P 3	TWD	11	004	-0.67	004	004	WAR			4049	520SI	04/03 RFO
78	44	0.13	46	2	VOL		004	+6.25	004	004				4049	520SI	04/03 RFO
78	76	0.04	60	2	VOL		012	-9.78	012	012				4052	460SI	04/03 RFO
78	99	0.17	84	2	SAI		013	+1.79	013	013				4036	460SI	04/03 RFO
		0.17	84	2	TWD	43	013	+1.79	013	013				4036	460SI	04/03 RFO
		0.23	65	2	SAI		013	+3.83	013	013				4036	460SI	04/03 RFO
		0.23	65	2	TWD	59	013	+3.83	013	013				4036	460SI	04/03 RFO
		0.20	80	2	SAI		013	+7.11	013	013				4036	460SI	04/03 RFO
		0.20	80	2	TWD	46	013	+7.11	013	013				4036	460SI	04/03 RFO
78	111	0.08	84	2	VOL		014	+1.05	014	014				4036	460SI	04/03 RFO
78	118	0.10	56	2	VOL		013	+12.21	013	013				4036	460SI	04/03 RFO
78	123	0.75	18	2	SAI		UTE	-1.13	UTE	UTE	TR			2016	460HR	04/03 RFO
		0.75	18	2	TWD	37	UTE	-1.13	UTE	UTE				2016	460HR	04/03 RFO
78	124	0.49	155	P 3	TWD	9	009	+0.07	009	009	WAR			4014	460SI	04/03 RFO
79	1	4.83	16	P 1	DRS		UTE	-0.75	UTE	UTE	SLV			1001	400PS	04/03 RFO
		6.67	176	1	DNT		LTS	-12.50	LTS	LTS				4013	460SI	04/03 RFO
79	2	5.46	178	1	DNT		LTS	-12.89	LTS	LTS				4013	460SI	04/03 RFO
79	35	0.07	77	2	VOL		012	-11.79	012	012				4035	460SI	04/03 RFO
79	55	0.10	92	2	SAI		UTS	-7.17	UTS	UTS				4054	520SI	04/03 RFO
		0.10	92	2	TWD	39	UTS	-7.17	UTS	UTS				4054	520SI	04/03 RFO
		0.09	88	2	SAI		UTS	-9.17	UTS	UTS				4054	520SI	04/03 RFO
		0.08	99	2	TWD	32	UTS	-9.17	UTS	UTS				4054	520SI	04/03 RFO
		0.12	80	2	SAI		UTS	-9.95	UTS	UTS				4054	520SI	04/03 RFO
		0.12	80	2	TWD	51	UTS	-9.95	UTS	UTS				4054	520SI	04/03 RFO
		0.10	88	2	MAI		UTS	-13.23	UTS	UTS				4054	520SI	04/03 RFO
		0.10	88	2	TWD	43	UTS	-13.23	UTS	UTS				4054	520SI	04/03 RFO
		0.13	90	2	MAI		UTS	-15.35	UTS	UTS				4054	520SI	04/03 RFO
		0.13	90	2	TWD	41	UTS	-15.35	UTS	UTS				4054	520SI	04/03 RFO
		0.17	70	2	SAI		UTS	-17.22	UTS	UTS				4054	520SI	04/03 RFO
		0.17	70	2	TWD	61	UTS	-17.22	UTS	UTS				4054	520SI	04/03 RFO
		0.06	94	2	SAI		UTS	-18.32	UTS	UTS				4054	520SI	04/03 RFO
		0.06	94	2	TWD	37	UTS	-18.32	UTS	UTS				4054	520SI	04/03 RFO
		0.09	58	2	SAI		012	-1.33	012	012				4054	520SI	04/03 RFO
		0.09	58	2	TWD	73	012	-1.33	012	012				4054	520SI	04/03 RFO
		0.10	100	2	SAI		012	-5.71	012	012				4054	520SI	04/03 RFO
		0.10	107	2	TWD	24	012	-5.71	012	012				4054	520SI	04/03 RFO
		0.15	99	2	SAI		012	-9.56	012	012				4054	520SI	04/03 RFO
		0.15	99	2	TWD	32	012	-9.56	012	012				4054	520SI	04/03 RFO
		0.13	106	2	SAI		012	-12.29	012	012				4054	520SI	04/03 RFO
		0.13	106	2	TWD	25	012	-12.29	012	012				4054	520SI	04/03 RFO
		0.11	103	2	SAI		012	-15.60	012	012				4054	520SI	04/03 RFO
		0.11	103	2	TWD	28	012	-15.60	012	012				4054	520SI	04/03 RFO
79	62	2.81	23	2	TEA		UTE	-0.19	UTE	UTE				2038	460HR	04/03 RFO
80	2	2.75	21	P 1	DRS		UTE	-0.77	UTE	UTE	SLV			1001	400PS	04/03 RFO
80	7	0.12	53	2	VOL		011	-2.68	011	011				4013	460SI	04/03 RFO
80	47	0.07	46	2	VOL		012	+6.99	012	012				4054	520SI	04/03 RFO
80	48	0.29	91	2	VOL		014	+10.90	014	014				4054	520SI	04/03 RFO
80	54	0.11	91	2	SAI		UTS	-3.07	UTS	UTS				4054	520SI	04/03 RFO
		0.11	85	2	TWD	46	UTS	-3.07	UTS	UTS				4054	520SI	04/03 RFO
		0.07	46	2	SAI		UTS	-6.83	UTS	UTS				4054	520SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
80	71	0.07	46	2	TWD	85	UTS	-6.83	UTS	UTS				4054	520SI	04/03	RFO
80	71	0.22	58	2	VOL		006	-6.38	006	006				4048	520SI	04/03	RFO
80	80	0.18	77	2	VOL		008	-0.23	008	008				4048	520SI	04/03	RFO
80	106	0.11	70	2	SAI		015	-1.22	015	015				4032	460SI	04/03	RFO
		0.11	70	2	TWD	55	015	-1.22	015	015				4032	460SI	04/03	RFO
		0.48	205	2	SVI		015	+4.10	015	015				4032	460SI	04/03	RFO
		0.48	205	2	TWD	0	015	+4.10	015	015				4032	460SI	04/03	RFO
		0.30	239	2	VOL		015	+0.05	015	015				4032	460SI	04/03	RFO
80	119	0.73	20	2	TWD	45	UTE	-1.13	UTE	UTE				2016	460HR	04/03	RFO
		0.73	20	2	SAI		UTE	-1.13	UTE	UTE	TR			2016	460HR	04/03	RFO
80	123	0.22	71	2	VOL		014	+1.76	014	014				4036	460SI	04/03	RFO
80	128	0.56	25	2	SAI		UTE	-1.20	UTE	UTE	TR			2016	460HR	04/03	RFO
		0.56	25	2	TWD	69	UTE	-1.20	UTE	UTE				2016	460HR	04/03	RFO
80	130	0.26	43	2	SAI		UTS	-0.83	UTS	UTS				4014	460SI	04/03	RFO
		0.26	43	2	TWD	93	UTS	-0.83	UTS	UTS				4014	460SI	04/03	RFO
		0.40	41	2	SAI		UTS	-2.34	UTS	UTS				4014	460SI	04/03	RFO
		0.40	41	2	TWD	94	UTS	-2.34	UTS	UTS				4014	460SI	04/03	RFO
		0.53	76	P 3	TWD	9	008	-0.54	008	008	WAR			4014	460SI	04/03	RFO
81	1	6.15	20	P 1	DRS		UTE	-0.71	UTE	UTE	SLV			1001	400PS	04/03	RFO
81	2	0.39	55	2	VOL		012	+0.46	012	012				4012	460SI	04/03	RFO
81	29	0.22	0	P 3	TWD	6	010	-0.65	010	010	WAR			4016	460SI	04/03	RFO
81	36	0.27	78	P 3	TWD	11	010	-0.65	010	010	WAR			4035	460SI	04/03	RFO
81	37	0.12	159	P 3	TWD	5	010	-0.75	010	010	WAR			4035	460SI	04/03	RFO
81	44	0.36	47	P 3	TWD	7	010	-0.73	010	010	WAR			4049	520SI	04/03	RFO
81	55	0.08	84	2	SAI		UTS	-3.39	UTS	UTS				4054	520SI	04/03	RFO
		0.08	84	2	TWD	47	UTS	-3.39	UTS	UTS				4054	520SI	04/03	RFO
		0.10	98	2	TWD	33	UTS	-4.40	UTS	UTS				4054	520SI	04/03	RFO
		0.10	98	2	SAI		UTS	-4.40	UTS	UTS				4054	520SI	04/03	RFO
81	106	0.13	33	2	SAI		UTS	-2.46	UTS	UTS				4032	460SI	04/03	RFO
		0.13	33	2	TWD	98	UTS	-2.46	UTS	UTS				4032	460SI	04/03	RFO
		0.09	61	2	SAI		UTS	-4.26	UTS	UTS				4032	460SI	04/03	RFO
		0.09	61	2	TWD	69	UTS	-4.26	UTS	UTS				4032	460SI	04/03	RFO
		0.10	51	2	SAI		UTS	-7.16	UTS	UTS				4032	460SI	04/03	RFO
		0.10	51	2	TWD	82	UTS	-7.16	UTS	UTS				4032	460SI	04/03	RFO
		0.10	83	2	SAI		UTS	-9.37	UTS	UTS				4032	460SI	04/03	RFO
		0.10	83	2	TWD	23	UTS	-9.37	UTS	UTS				4032	460SI	04/03	RFO
		0.07	83	2	SAI		UTS	-10.67	UTS	UTS				4032	460SI	04/03	RFO
		0.07	83	2	TWD	23	UTS	-10.67	UTS	UTS				4032	460SI	04/03	RFO
		0.28	71	2	SAI		UTS	-5.49	UTS	UTS				4032	460SI	04/03	RFO
		0.28	71	2	TWD	53	UTS	-5.49	UTS	UTS				4032	460SI	04/03	RFO
81	109	0.56	112	2	SVI		015	+0.23	015	015				4014	460SI	04/03	RFO
		0.56	112	2	TWD	0	015	+0.23	015	015				4014	460SI	04/03	RFO
81	110	0.12	61	2	SAI		010	+10.70	010	010				4036	460SI	04/03	RFO
		0.12	61	2	TWD	63	010	+10.70	010	010				4036	460SI	04/03	RFO
81	123	0.41	99	2	VOL		014	+0.37	014	014				4014	460SI	04/03	RFO
81	124	1.07	27	2	TWD	80	UTE	-1.18	UTE	UTE				2016	460HR	04/03	RFO
		1.07	26	2	SAI		UTE	-1.18	UTE	UTE	TR			2016	460HR	04/03	RFO
		0.12	115	2	VOL		008	+15.69	008	008				4036	460SI	04/03	RFO
81	126	1.21	14	2	TEA		UTE	-0.23	UTE	UTE				2016	460HR	04/03	RFO
81	129	0.80	26	2	MAI		UTE	-3.69	UTE	UTS	URT			2015	460HR	04/03	RFO
		0.80	26	2	TWD	85	UTE	-3.69	UTE	UTS				2015	460HR	04/03	RFO
82	5	0.34	111	2	VOL		010	+5.29	010	010				4013	460SI	04/03	RFO
82	10	0.07	111	2	VOL		007	+7.72	007	007				4021	460SI	04/03	RFO
82	13	0.15	47	2	VOL		003	-18.37	003	003				4021	460SI	04/03	RFO
82	29	0.22	113	P 3	TWD	8	010	-0.76	010	010	WAR			4021	460SI	04/03	RFO
82	33	0.35	104	P 3	TWD	13	010	-0.64	010	010	WAR			4035	460SI	04/03	RFO
82	36	0.21	96	P 3	TWD	9	010	-0.81	010	010	WAR			4035	460SI	04/03	RFO
82	53	0.16	54	2	VOL		014	+2.15	014	014				4040	460SI	04/03	RFO
82	57	0.16	115	2	VOL		011	-1.43	011	011				4040	460SI	04/03	RFO
		0.11	69	2	VOL		010	+13.34	010	010				4040	460SI	04/03	RFO
82	64	0.17	71	2	VOL		001	+1.12	001	001				4043	460SI	04/03	RFO
82	65	0.19	122	2	VOL		UTE	-5.22	UTE	UTE	CS			2120	460HR	04/03	RFO
82	104	0.08	102	2	SAI		011	-12.15	011	011				4032	460SI	04/03	RFO
		0.08	102	2	TWD	1	011	-12.15	011	011				4032	460SI	04/03	RFO
82	106	1.10	18	2	TEA		UTE	-0.22	UTE	UTE				2016	460HR	04/03	RFO
		0.57	185	2	TWD	0	014	-2.63	014	014				4032	460SI	04/03	RFO
		0.57	185	2	SAI		014	-2.63	014	014				4032	460SI	04/03	RFO
		0.23	82	2	SAI		010	+15.26	010	010				4032	460SI	04/03	RFO

TO+8.32

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
82	125	0.23	82	2	TWD	26	010	+15.26	010	010				4032	460SI	04/03 RFO
		1.19	153	1	DNT		UTS	+3.27	UTS	UTS				4036	460SI	04/03 RFO
		1.47	186	1	DNT		UTS	+4.37	UTS	UTS				4036	460SI	04/03 RFO
		2.00	185	1	DNT		UTS	+3.68	UTS	UTS				4036	460SI	04/03 RFO
		0.10	99	2	VOL		014	+1.59	014	014				4036	460SI	04/03 RFO
82	129	1.92	34	2	TWD	95	UTE	-3.49	UTE	UTS				2016	460HR	04/03 RFO
		1.92	34	2	MAI		UTE	-3.49	UTE	UTS	URT			2016	460HR	04/03 RFO
83	1	8.94	19	2	DRS		UTE	-0.60	UTE	UTE	SLV			1001	400PS	04/03 RFO
83	4	0.27	118	2	VOL		010	-0.82	010	010				4013	460SI	04/03 RFO
83	11	0.43	148	2	VOL		010	-0.49	010	010				4016	460SI	04/03 RFO
83	12	0.31	0	P	3	TWD	9	010	-0.53	010	010	WAR		4016	460SI	04/03 RFO
83	19	0.32	0	P	3	TWD	9	010	-0.40	010	010	WAR		4016	460SI	04/03 RFO
83	23	0.75	17	2	SAI		UTE	-1.18	UTE	UTE	TR			2083	460HR	04/03 RFO
		0.75	17	2	TWD	45	UTE	-1.18	UTE	UTE				2083	460HR	04/03 RFO
83	31	0.19	94	P	3	TWD	8	010	+0.57	010	010	WAR		4035	460SI	04/03 RFO
83	33	0.11	75	2	SAI		013	-3.04	013	013				4035	460SI	04/03 RFO
		0.11	75	2	TWD	49	013	-3.04	013	013				4035	460SI	04/03 RFO
83	66	0.12	59	2	VOL		001	+1.25	001	001				4040	460SI	04/03 RFO
83	71	0.34	93	2	VOL		009	-15.61	009	009				4048	520SI	04/03 RFO
83	86	0.08	107	2	SAI		LTS	+1.51	LTS	LTS				3032	460TS	04/03 RFO
		0.10	73	2	TWD	48	LTS	+1.51	LTS	LTS				3032	460TS	04/03 RFO
83	104	0.18	55	2	VOL		005	+14.53	005	005				4032	460SI	04/03 RFO
83	107	0.19	66	2	SAI		UTS	-3.52	UTS	UTS				4032	460SI	04/03 RFO
		0.19	66	2	TWD	62	UTS	-3.52	UTS	UTS				4032	460SI	04/03 RFO
83	125	1.02	32	2	TWD	97	UTE	-3.50	UTE	UTS				2016	460HR	04/03 RFO
		1.02	32	2	SAI		UTE	-3.50	UTE	UTS	URT			2016	460HR	04/03 RFO
83	129	0.31	135	2	SVI		UTS	+0.28	UTS	UTS				4014	460SI	04/03 RFO
		0.31	135	2	TWD	1	UTS	+0.28	UTS	UTS				4014	460SI	04/03 RFO
		0.36	134	2	SVI		UTS	-1.44	UTS	UTS				4014	460SI	04/03 RFO
		0.39	134	P	4	TWD	1	UTS	-1.44	UTS	UTS			4014	460SI	04/03 RFO
84	23	0.10	50	2	VOL		013	-15.83	013	013				4016	460SI	04/03 RFO
84	37	0.10	64	2	VOL		012	-1.86	012	012				4035	460SI	04/03 RFO
84	56	0.24	110	2	VOL		010	-14.60	010	010				4040	460SI	04/03 RFO
		0.18	97	2	VOL		004	+16.87	004	004				4040	460SI	04/03 RFO
84	57	0.04	61	2	VOL		014	+6.35	014	014				4040	460SI	04/03 RFO
84	72	0.28	62	2	VOL		013	+0.75	013	013				4048	520SI	04/03 RFO
84	74	0.26	80	2	VOL		014	-10.96	014	014				4048	520SI	04/03 RFO
84	108	0.53	170	2	VOL		012	-3.58	012	012				4032	460SI	04/03 RFO
		0.31	185	2	VOL		012	-4.02	012	012				4032	460SI	04/03 RFO
84	115	2.55	167	1	DNT		015	+16.57	015	015				4036	460SI	04/03 RFO
84	120	0.22	74	2	VOL		LTS	+6.14	LTS	LTS				4036	460SI	04/03 RFO
84	127	0.07	68	2	SAI		011	+16.75	011	011				4014	460SI	04/03 RFO
		0.07	68	2	TWD	57	011	+16.75	011	011				4014	460SI	04/03 RFO
		0.08	65	2	MAI		011	+13.43	011	011				4014	460SI	04/03 RFO
		0.08	65	2	TWD	65	011	+13.43	011	011				4014	460SI	04/03 RFO
		0.12	96	2	MAI		011	-3.73	011	011				4014	460SI	04/03 RFO
		0.12	96	2	TWD	1	011	-3.73	011	011				4014	460SI	04/03 RFO
		0.08	99	2	SAI		011	-5.11	011	011				4014	460SI	04/03 RFO
		0.08	99	2	TWD	1	011	-5.11	011	011				4014	460SI	04/03 RFO
		0.12	97	2	SAI		011	-6.87	011	011				4014	460SI	04/03 RFO
		0.12	97	2	TWD	1	011	-6.87	011	011				4014	460SI	04/03 RFO
		0.15	93	2	SAI		011	-9.01	011	011				4014	460SI	04/03 RFO
		0.15	93	2	TWD	1	011	-9.01	011	011				4014	460SI	04/03 RFO
		0.22	88	2	SAI		011	-9.99	011	011				4014	460SI	04/03 RFO
		0.22	88	2	TWD	1	011	-9.99	011	011				4014	460SI	04/03 RFO
		0.55	60	P	3	TWD	9	006	+0.63	006	006	WAR		4014	460SI	04/03 RFO
84	128	0.42	174	2	TWD	0	UTS	-1.78	UTS	UTS				4036	460SI	04/03 RFO
		0.45	198	2	TWD	0	UTS	-3.87	UTS	UTS				4036	460SI	04/03 RFO
		0.42	174	2	SAI		UTS	-1.78	UTS	UTS				4036	460SI	04/03 RFO
		0.45	198	2	SAI		UTS	-3.87	UTS	UTS				4036	460SI	04/03 RFO
85	8	0.15	47	2	VOL		012	+8.98	012	012				4021	460SI	04/03 RFO
85	15	0.09	75	2	VOL		010	-17.19	010	010				4021	460SI	04/03 RFO
85	27	0.21	0	P	3	TWD	6	010	+0.60	010	010	WAR		4016	460SI	04/03 RFO
85	70	0.26	143	2	SAI		LTS	-5.75	LTS	LTS				3006	460TS	04/03 RFO
		0.23	137	2	TWD	0	LTS	-5.75	LTS	LTS				3006	460TS	04/03 RFO
85	105	0.15	73	2	SAI		010	+11.81	010	010				4032	460SI	04/03 RFO
		0.15	73	2	TWD	49	010	+11.81	010	010				4032	460SI	04/03 RFO
85	106	0.06	56	2	TWD	76	UTS	-3.13	UTS	UTS				4032	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.08	59	2	SAI		UTS	-5.25	UTS	UTS				4032	460SI	04/03	RFO
		0.08	59	2	TWD	72	UTS	-5.25	UTS	UTS				4032	460SI	04/03	RFO
		0.08	66	2	SAI		UTS	-5.57	UTS	UTS				4032	460SI	04/03	RFO
		0.08	66	2	TWD	62	UTS	-5.57	UTS	UTS				4032	460SI	04/03	RFO
		0.06	56	2	SAI		UTS	-3.13	UTS	UTS				4032	460SI	04/03	RFO
85	109	0.19	65	2	VOL		003	-1.70	003	003				4036	460SI	04/03	RFO
85	117	0.06	88	2	VOL		014	+1.24	014	014				4036	460SI	04/03	RFO
85	126	1.32	27	2	TWD	80	UTE	-3.23	UTE	UTS				2016	460HR	04/03	RFO
		1.32	27	2	MAI		UTE	-3.23	UTE	UTS	URT			2016	460HR	04/03	RFO
		0.20	71	2	SAI		011	-11.01	011	011				4036	460SI	04/03	RFO
		0.20	71	2	TWD	54	011	-11.01	011	011				4036	460SI	04/03	RFO
85	130	0.94	38	2	TWD	90	UTE	-3.59	UTE	UTS				2016	460HR	04/03	RFO
		0.94	38	2	MAI		UTE	-3.59	UTE	UTS	URT			2016	460HR	04/03	RFO
86	19	1.47	15	2	TEA		UTE	-0.19	UTE	UTE				2084	460HR	04/03	RFO
86	37	0.56	1	2	VOL		011	-16.85	011	011				4035	460SI	04/03	RFO
86	86	1.77	182	1	DNT		003	-18.30	003	003				4052	460SI	04/03	RFO
86	106	0.08	52	2	SAI		UTS	-5.72	UTS	UTS				4032	460SI	04/03	RFO
		0.08	52	2	TWD	81	UTS	-5.72	UTS	UTS				4032	460SI	04/03	RFO
86	109	3.37	164	1	DNT		012	-3.03	012	012				4036	460SI	04/03	RFO
		0.63	182	2	SVI		011	-4.52	011	011				4036	460SI	04/03	RFO
		0.63	182	2	TWD	0	011	-4.52	011	011				4036	460SI	04/03	RFO
86	120	0.54	67	P 3	TWD	9	014	+0.73	014	014	WAR			4014	460SI	04/03	RFO
86	126	1.34	18	2	TEA		UTE	-0.10	UTE	UTE				2016	460HR	04/03	RFO
		0.25	47	P 3	TWD	4	006	+0.60	006	006	WAR			4014	460SI	04/03	RFO
86	128	0.43	120	P 3	TWD	8	006	+0.66	006	006	WAR			4036	460SI	04/03	RFO
86	129	0.17	69	2	VOL		009	-18.97	009	009				4014	460SI	04/03	RFO
		0.25	128	P 3	TWD	4	009	+0.25	009	009	WAR			4014	460SI	04/03	RFO
87	40	0.13	55	2	VOL		008	-16.17	008	008				4035	460SI	04/03	RFO
87	43	0.10	65	2	VOL		008	+10.64	008	008				4035	460SI	04/03	RFO
		0.13	77	2	VOL		008	+11.93	008	008				4035	460SI	04/03	RFO
87	57	0.57	13	P 1	SCI		UTE	-0.21	UTE	UTE	CL			2057	460HR	04/03	RFO
		0.00	0	P 3	TWD	0	UTE	-0.21	TO+43.2	UTE	UTE			2057	460HR	04/03	RFO
		0.17	4	P 3	TWD	2	UTE	-0.21	TO+52.8	UTE	UTE			2057	460HR	04/03	RFO
		0.52	2	P 3	TWD	5	UTE	-0.21	TO+62.4	UTE	UTE			2057	460HR	04/03	RFO
		0.08	1	P 3	TWD	1	UTE	-0.21	TO+72.0	UTE	UTE			2057	460HR	04/03	RFO
		0.00	0	P 3	TWD	0	UTE	-0.21	TO+81.6	UTE	UTE			2057	460HR	04/03	RFO
		0.07	101	2	VOL		010	-13.35	010	010				4040	460SI	04/03	RFO
88	24	0.06	58	2	VOL		010	+13.93	010	010				4021	460SI	04/03	RFO
88	69	0.31	23	P 1	SCI		UTE	-1.56	UTE	UTE	TR			2043	460HR	04/03	RFO
		0.38	20	P 3	TWD	62	UTE	-1.56	TO+244.1	UTE	UTE			2043	460HR	04/03	RFO
		0.30	17	P 3	TWD	55	UTE	-1.56	TO+235.9	UTE	UTE			2043	460HR	04/03	RFO
		0.20	16	P 3	TWD	45	UTE	-1.56	TO+227.6	UTE	UTE			2043	460HR	04/03	RFO
		0.18	9	P 3	TWD	0	UTE	-1.56	TO+219.3	UTE	UTE			2043	460HR	04/03	RFO
		0.25	12	P 3	TWD	0	UTE	-1.56	TO+260.7	UTE	UTE			2043	460HR	04/03	RFO
		0.25	17	P 3	TWD	50	UTE	-1.56	TO+252.4	UTE	UTE			2043	460HR	04/03	RFO
88	71	0.10	93	2	VOL		011	-16.58	011	011				4045	460SI	04/03	RFO
88	107	0.88	17	2	TEA		UTE	-0.20	UTE	UTE				2011	460HR	04/03	RFO
88	110	0.56	171	2	VOL		012	-4.25	012	012				4036	460SI	04/03	RFO
88	122	0.10	91	2	SAI		011	+8.59	011	011				4036	460SI	04/03	RFO
		0.10	91	2	TWD	38	011	+8.59	011	011				4036	460SI	04/03	RFO
		0.13	103	2	SAI		011	+7.80	011	011				4036	460SI	04/03	RFO
		0.13	103	2	TWD	30	011	+7.80	011	011				4036	460SI	04/03	RFO
88	123	0.30	22	2	TWD	0	UTS	-5.59	UTS	UTS				4036	460SI	04/03	RFO
		0.30	22	2	SAI		UTS	-5.59	UTS	UTS				4036	460SI	04/03	RFO
88	124	0.21	139	2	VOL		UTS	-2.31	UTS	UTS				4036	460SI	04/03	RFO
89	3	0.18	73	2	VOL		010	+1.19	010	010				4013	460SI	04/03	RFO
		0.35	54	2	VOL		010	-2.50	TO-1.11	010	010			4013	460SI	04/03	RFO
89	5	0.39	0	P 3	TWD	11	009	+0.64	009	009	WAR			4016	460SI	04/03	RFO
89	81	4.52	164	1	DNT		012	-17.41	012	012				4052	460SI	04/03	RFO
89	122	6.08	169	1	DNT		UTS	+10.25	UTE	UTS				4061	460SI	04/03	RFO
		4.75	170	1	DNT		UTS	+11.50	UTE	UTS				4061	460SI	04/03	RFO
		3.46	144	1	DNT		UTS	+15.41	UTE	UTS				4061	460SI	04/03	RFO
		4.21	176	1	DNT		UTS	+16.15	UTE	UTS				4061	460SI	04/03	RFO
89	124	0.10	84	2	SAI		013	-29.86	013	013				4036	460SI	04/03	RFO
		0.10	84	2	TWD	43	013	-29.86	013	013				4036	460SI	04/03	RFO
		0.16	80	2	SAI		013	-9.75	013	013				4036	460SI	04/03	RFO
		0.16	80	2	TWD	46	013	-9.75	013	013				4036	460SI	04/03	RFO
		0.09	82	2	SAI		013	-4.50	013	013				4036	460SI	04/03	RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
		0.09	82	2	TWD	45	013	-4.50	013	013				4036		460SI	04/03 RFO
		0.10	86	2	SAI		013	+1.44	013	013				4036		460SI	04/03 RFO
		0.10	86	2	TWD	42	013	+1.44	013	013				4036		460SI	04/03 RFO
		0.18	83	2	SAI		013	+5.05	013	013				4036		460SI	04/03 RFO
		0.18	83	2	TWD	44	013	+5.05	013	013				4036		460SI	04/03 RFO
		0.06	96	2	SAI		012	-18.49	012	012				4036		460SI	04/03 RFO
		0.06	96	2	TWD	35	012	-18.49	012	012				4036		460SI	04/03 RFO
		0.22	81	2	TWD	45	012	-13.89	012	012				4036		460SI	04/03 RFO
		0.22	81	2	SAI		012	-13.89	012	012				4036		460SI	04/03 RFO
		0.05	81	2	SAI		012	-7.96	012	012				4036		460SI	04/03 RFO
		0.05	81	2	TWD	45	012	-7.96	012	012				4036		460SI	04/03 RFO
		0.08	94	2	SAI		011	+13.49	011	011				4036		460SI	04/03 RFO
		0.08	94	2	TWD	36	011	+13.49	011	011				4036		460SI	04/03 RFO
		6.40	175	1	DNT		UTS	+15.04	UTE	UTS				4061		460SI	04/03 RFO
89	126	0.19	65	P 3	TWD	3	009	-0.75	009	009	WAR			4014		460SI	04/03 RFO
89	127	0.16	79	2	VOL		014	+0.85	014	014				4036		460SI	04/03 RFO
89	128	0.08	76	2	VOL		014	+1.17	014	014				4036		460SI	04/03 RFO
90	3	0.41	0	P 3	TWD	11	010	+0.33	010	010	WAR			4016		460SI	04/03 RFO
90	54	1.06	8	2	DNT		006	-14.44	006	006				4040		460SI	04/03 RFO
		0.71	2	2	DNT		006	-13.43	006	006				4040		460SI	04/03 RFO
90	75	0.10	72	2	VOL		007	-1.38	007	007				4045		460SI	04/03 RFO
		0.15	66	2	VOL		006	+16.94	006	006				4045		460SI	04/03 RFO
		0.17	67	2	VOL		006	-4.56	006	006				4045		460SI	04/03 RFO
		0.13	67	2	VOL		006	-5.74	006	006				4045		460SI	04/03 RFO
90	85	0.07	53	2	VOL		003	-11.90	003	003				4052		460SI	04/03 RFO
90	94	0.10	33	2	VOL		007	+14.85	007	007				4030		460SI	04/03 RFO
90	98	0.08	85	2	SAI		UTS	-13.16	UTS	UTS				4030		460SI	04/03 RFO
		0.08	85	2	TWD	27	UTS	-13.16	UTS	UTS				4030		460SI	04/03 RFO
90	126	0.32	129	P 3	TWD	5	009	-0.69	009	009	WAR			4014		460SI	04/03 RFO
91	45	0.94	7	2	SVI		UTS	-10.66	UTS	UTS				4035		460SI	04/03 RFO
		0.94	7	2	TWD	22	UTS	-10.66	UTS	UTS				4035		460SI	04/03 RFO
91	58	0.21	55	2	SAI		011	-5.00	011	011				4040		460SI	04/03 RFO
		0.21	55	2	TWD	70	011	-5.00	011	011				4040		460SI	04/03 RFO
91	71	10.01	1	1	DNT		LTS	-17.17	LTS	LTS				4045		460SI	04/03 RFO
91	88	0.12	64	2	VOL		010	-4.67	010	010				4052		460SI	04/03 RFO
		0.15	32	2	VOL		012	+6.65	012	012				4052		460SI	04/03 RFO
91	108	0.07	63	2	VOL		005	+7.00	005	005				4032		460SI	04/03 RFO
91	123	0.27	105	P 3	TWD	4	010	+0.33	010	010	WAR			4014		460SI	04/03 RFO
		0.31	112	P 3	TWD	5	009	-0.60	009	009	WAR			4014		460SI	04/03 RFO
92	3	0.26	0	P 3	TWD	7	010	+0.74	010	010	WAR			4016		460SI	04/03 RFO
92	17	0.05	80	2	VOL		010	+3.27	010	010				4021		460SI	04/03 RFO
92	21	0.34	95	2	TEA		UTE	-0.15	UTE	UTE				2105		460HR	04/03 RFO
92	64	1.39	27	2	TWD	87	UTE	-0.25	UTE	UTE				2057		460HR	04/03 RFO
		1.39	27	2	SVI		UTE	-0.25	UTE	UTE	CL/CS			2057		460HR	04/03 RFO
92	80	0.06	31	2	VOL		014	-7.77	014	014				4052		460SI	04/03 RFO
92	88	0.27	160	P 3	TWD	6	015	+0.63	015	015	WAR			4052		460SI	04/03 RFO
92	102	0.95	13	2	TEA		UTE	-0.19	UTE	UTE				2009		460HR	04/03 RFO
92	125	0.39	82	P 3	TWD	7	010	+0.25	010	010	WAR			4014		460SI	04/03 RFO
93	49	0.40	98	2	VOL		008	+18.97	008	008				4040		460SI	04/03 RFO
93	55	0.08	61	2	VOL		008	+12.63	008	008				4040		460SI	04/03 RFO
93	101	1.03	15	2	TEA		UTE	-0.16	UTE	UTE				2009		460HR	04/03 RFO
		0.31	71	2	SAI		UTS	-3.37	UTS	UTS				4032		460SI	04/03 RFO
		0.31	71	2	TWD	53	UTS	-3.37	UTS	UTS				4032		460SI	04/03 RFO
93	109	0.25	71	2	VOL		014	+0.82	014	014				4032		460SI	04/03 RFO
		0.13	78	2	VOL		014	+1.09	014	014				4032		460SI	04/03 RFO
93	118	0.08	83	2	VOL		014	+0.92	014	014				4036		460SI	04/03 RFO
94	2	9.77	182	1	DNT		010	-0.08	010	010				4021		460SI	04/03 RFO
94	3	0.42	67	P 3	TWD	13	010	+0.69	010	010	WAR			4016		460SI	04/03 RFO
94	66	0.26	108	2	VOL		UTS	+20.47	UTE	UTS				4045		460SI	04/03 RFO
94	71	6.70	169	1	DNT		003	+17.43	003	003				4045		460SI	04/03 RFO
94	103	0.09	52	2	VOL		010	-4.78	010	010				4032		460SI	04/03 RFO
94	122	0.09	51	2	VOL		014	+1.04	014	014				4032		460SI	04/03 RFO
95	55	0.10	102	2	VOL		LTS	+14.53	LTS	LTS				4040		460SI	04/03 RFO
95	58	0.80	25	2	SAI		UTE	-0.87	UTE	UTE	TR			2057		460HR	04/03 RFO
		0.80	25	2	TWD	79	UTE	-0.87	UTE	UTE				2057		460HR	04/03 RFO
95	76	0.37	135	2	VOL		UTE	-1.13	UTE	UTE	TR			2042		460HR	04/03 RFO
		0.53	180	2	VPN		UTE	-3.59	UTE	UTS	URT			6101		460NR	04/03 RFO
95	89	0.00	0	P 3	TWD	0	UTE	-0.11	UTE	UTS				2035		460HR	04/03 RFO

TO+30.7

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		2.91	63	P 3	TWD	60	UTE	-0.11	TO+22.0	UTE	UTS			2035	460HR	04/03 RFO
		3.17	47	P 3	TWD	77	UTE	-0.11	TO+13.2	UTE	UTS			2035	460HR	04/03 RFO
		2.30	73	P 3	TWD	35	UTE	-0.11	TO+4.4	UTE	UTS			2035	460HR	04/03 RFO
		0.00	0	P 3	TWD	0	UTE	-0.11	TO+355.6	UTE	UTS			2035	460HR	04/03 RFO
		7.38	38	P 1	SCI		UTE	-0.11		UTE	UTS	CL		2035	460HR	04/03 RFO
95	127	0.89	22	2	SAI		UTE	-1.17		UTE	UTE	TR		2009	460HR	04/03 RFO
		0.89	22	2	TWD	61	UTE	-1.17		UTE	UTE			2009	460HR	04/03 RFO
		0.78	10	1	DNT		002	-5.94		002	002			4014	460SI	04/03 RFO
95	128	0.55	90	P 3	TWD	9	008	-0.49		008	008	WAR		4014	460SI	04/03 RFO
96	2	0.41	0	P 3	TWD	11	010	+0.57		010	010	WAR		4016	460SI	04/03 RFO
96	62	0.06	77	2	VOL		006	+3.63		006	006			4040	460SI	04/03 RFO
96	75	10.50	179	1	DNT		UTS	+20.66		UTS	UTE			4052	460SI	04/03 RFO
96	127	0.38	89	P 3	TWD	6	008	-0.44		008	008	WAR		4014	460SI	04/03 RFO
97	2	0.40	0	P 3	TWD	11	010	+0.70		010	010	WAR		4016	460SI	04/03 RFO
97	61	0.08	65	2	VOL		014	+16.11		014	014			4040	460SI	04/03 RFO
97	122	0.89	24	2	MAI		UTE	-3.47		UTE	UTS	URT		2005	460HR	04/03 RFO
		0.70	22	2	TWD	71	UTE	-3.47		UTE	UTS			2005	460HR	04/03 RFO
98	9	0.04	56	2	VOL		010	-8.97		010	010			4021	460SI	04/03 RFO
		0.07	62	2	VOL		010	-7.20		010	010			4021	460SI	04/03 RFO
		0.09	62	2	VOL		010	-5.68		010	010			4021	460SI	04/03 RFO
		0.09	65	2	VOL		010	-4.23		010	010			4021	460SI	04/03 RFO
		0.08	56	2	VOL		010	+15.36		010	010			4021	460SI	04/03 RFO
		0.06	67	2	VOL		012	+5.18		012	012			4021	460SI	04/03 RFO
98	104	0.16	136	2	VOL		007	+7.04		007	007			4014	460SI	04/03 RFO
		0.29	32	2	SAI		007	-1.61		007	007			4014	460SI	04/03 RFO
		0.29	32	2	TWD	99	007	-1.61		007	007			4014	460SI	04/03 RFO
99	41	0.36	92	P 3	TWD	14	013	+0.22		013	013	WAR		4035	460SI	04/03 RFO
99	67	0.20	88	2	SAI		UTS	-11.30		UTS	UTS			4045	460SI	04/03 RFO
		0.20	88	2	TWD	14	UTS	-11.30		UTS	UTS			4045	460SI	04/03 RFO
		0.21	90	2	SAI		UTS	-12.09		UTS	UTS			4045	460SI	04/03 RFO
		0.21	90	2	TWD	10	UTS	-12.09		UTS	UTS			4045	460SI	04/03 RFO
		0.18	80	2	SAI		UTS	-16.11		UTS	UTS			4045	460SI	04/03 RFO
		0.18	80	2	TWD	29	UTS	-16.11		UTS	UTS			4045	460SI	04/03 RFO
		0.20	72	2	SAI		UTS	-18.48		UTS	UTS			4045	460SI	04/03 RFO
		0.20	72	2	TWD	43	UTS	-18.48		UTS	UTS			4045	460SI	04/03 RFO
		0.15	83	2	SAI		UTS	-9.78		UTS	UTS			4045	460SI	04/03 RFO
		0.15	83	2	TWD	23	UTS	-9.78		UTS	UTS			4045	460SI	04/03 RFO
99	83	0.06	87	2	VOL		LTS	-0.55		LTS	LTS			3023	460TS	04/03 RFO
99	86	0.28	162	P 3	TWD	7	012	-0.03		012	012	WAR		4052	460SI	04/03 RFO
99	91	0.09	35	2	VOL		008	+19.30		008	008			4030	460SI	04/03 RFO
99	113	0.53	27	2	SAI		UTE	-1.15		UTE	UTE	TR		2005	460HR	04/03 RFO
		0.53	27	2	TWD	92	UTE	-1.15		UTE	UTE			2005	460HR	04/03 RFO
99	126	0.35	120	P 3	TWD	6	008	-0.58		008	008	WAR		4014	460SI	04/03 RFO
100	4	1.90	17	2	TEA		UTE	-0.18		UTE	UTE			2095	460HR	04/03 RFO
100	8	1.05	12	2	TEA		UTE	-0.20		UTE	UTE			2095	460HR	04/03 RFO
100	9	1.43	15	2	TEA		UTE	-0.15		UTE	UTE			2096	460HR	04/03 RFO
100	19	0.92	24	2	TEA		UTE	-0.19		UTE	UTE			2095	460HR	04/03 RFO
100	35	0.12	67	2	VOL		004	+18.91		004	004			4035	460SI	04/03 RFO
100	43	0.11	80	P 3	TWD	4	013	+0.80		013	013	WAR		4035	460SI	04/03 RFO
100	125	0.43	93	P 3	TWD	7	008	-0.70		008	008	WAR		4014	460SI	04/03 RFO
101	4	0.42	0	P 3	TWD	11	009	-0.17		009	009	WAR		4016	460SI	04/03 RFO
101	21	0.09	77	2	VOL		012	+10.93		012	012			4027	460SI	04/03 RFO
101	32	0.75	13	2	SAI		UTE	-1.16		UTE	UTE	TR		2076	460HR	04/03 RFO
		0.75	13	2	TWD	36	UTE	-1.16		UTE	UTE			2076	460HR	04/03 RFO
101	44	0.29	94	P 3	TWD	11	014	+0.53		014	014	WAR		4035	460SI	04/03 RFO
101	63	0.23	106	2	TWD	1	UTE	-0.45		UTE	UTE			2034	460HR	04/03 RFO
		0.23	106	2	SAI		UTE	-0.45		UTE	UTE	CL/CS		2034	460HR	04/03 RFO
101	66	0.10	72	2	VOL		013	+15.51		013	013			4045	460SI	04/03 RFO
101	120	0.32	88	2	VOL		015	-1.28		015	015			4032	460SI	04/03 RFO
101	122	0.08	58	2	VOL		UTS	+22.55		UTS	UTS			4014	460SI	04/03 RFO
102	9	0.98	11	2	TEA		UTE	-0.14		UTE	UTE			2096	460HR	04/03 RFO
102	20	0.14	42	2	VOL		014	-14.50		014	014			4027	460SI	04/03 RFO
102	39	0.22	68	P 3	TWD	9	014	-0.30		014	014	WAR		4035	460SI	04/03 RFO
102	74	0.70	6	2	VOL		014	-10.52		014	014			4052	460SI	04/03 RFO
102	75	0.92	25	2	TEA		UTE	-0.14		UTE	UTE			2035	460HR	04/03 RFO
102	84	0.17	102	2	VOL		007	-10.49		007	007			4052	460SI	04/03 RFO
		0.17	72	2	VOL		007	-9.39		007	007			4052	460SI	04/03 RFO
		0.15	277	2	VOL		007	-7.33		007	007			4052	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	WTW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
102	103	3.51	172	1	DNT		UTS	+19.39	UTS	UTS				4032	460SI	04/03 RFO
102	121	0.50	97	P 3	TWD	9	009	-0.64	009	009	WAR			4014	460SI	04/03 RFO
103	24	0.11	60	2	VOL		012	+15.86	012	012				4027	460SI	04/03 RFO
		0.10	54	2	VOL		012	+14.55	012	012				4027	460SI	04/03 RFO
		0.15	67	2	VOL		013	+5.69	013	013				4027	460SI	04/03 RFO
103	76	0.15	138	1	VOL		UTE	-2.28	UTE	UTE	CS			2032	460HR	04/03 RFO
103	114	0.76	11	2	TEA		UTE	-0.21	UTE	UTE				2006	460HR	04/03 RFO
104	1	0.19	116	2	VOL		010	+11.18	010	010				4021	460SI	04/03 RFO
104	9	0.12	56	2	VOL		014	-10.23	014	014				4027	460SI	04/03 RFO
104	57	0.15	69	2	VOL		006	-10.54	006	006				4046	460SI	04/03 RFO
104	84	0.14	90	2	VOL		012	+14.02	012	012				4052	460SI	04/03 RFO
104	89	0.17	54	2	VOL		009	-17.75	009	009				4030	460SI	04/03 RFO
105	20	0.09	138	2	SAI		015	-6.34	015	015				4027	460SI	04/03 RFO
		0.09	138	2	TWD	0	015	-6.34	015	015				4027	460SI	04/03 RFO
105	53	0.84	124	1	VOL		UTS	+19.59	UTS	UTS				4046	460SI	04/03 RFO
105	80	0.31	104	2	VOL		UTE	-2.50	UTE	UTE	CS			2042	460HR	04/03 RFO
105	108	0.82	9	2	TEA		UTE	-0.11	UTE	UTE				2006	460HR	04/03 RFO
105	121	0.18	74	9	PLP		008	+1.10	008	008				4014	460SI	04/03 RFO
		0.40	117	P 3	TWD	7	008	-0.78	008	008	WAR			4014	460SI	04/03 RFO
106	4	0.66	0	P 3	TWD	17	009	-0.55	009	009	WAR			4016	460SI	04/03 RFO
106	63	0.12	59	2	VOL		007	-19.73	007	007				4052	460SI	04/03 RFO
		0.17	47	2	VOL		009	+8.25	009	009				4052	460SI	04/03 RFO
		0.17	43	2	VOL		009	+9.24	009	009				4052	460SI	04/03 RFO
106	81	0.83	15	2	TEA		UTE	-0.21	UTE	UTE				2032	460HR	04/03 RFO
106	100	1.55	18	2	TEA		UTE	-0.13	UTE	UTE				2005	460HR	04/03 RFO
106	110	0.48	25	2	SAI		UTE	-1.17	UTE	UTE	TR			2005	460HR	04/03 RFO
		0.47	23	2	TWD	75	UTE	-1.17	UTE	UTE				2005	460HR	04/03 RFO
106	119	0.07	80	2	VOL		004	-16.00	004	004				4014	460SI	04/03 RFO
107	20	0.12	43	2	SAI		008	-6.64	008	008				4027	460SI	04/03 RFO
		0.12	43	2	TWD	94	008	-6.64	008	008				4027	460SI	04/03 RFO
107	46	0.69	113	1	VOL		UTS	+16.73	UTS	UTS				4046	460SI	04/03 RFO
107	66	0.08	76	2	SAI		015	+11.70	015	015				4052	460SI	04/03 RFO
		0.08	76	2	TWD	47	015	+11.70	015	015				4052	460SI	04/03 RFO
		0.11	81	2	SAI		015	+14.52	015	015				4052	460SI	04/03 RFO
		0.11	81	2	TWD	38	015	+14.52	015	015				4052	460SI	04/03 RFO
107	84	0.13	40	2	VOL		011	+1.65	011	011				4056	460SI	04/03 RFO
		0.06	69	2	VOL		012	-5.50	012	012				4056	460SI	04/03 RFO
107	102	4.39	356	1	DNT		013	+13.57	013	013				4032	460SI	04/03 RFO
107	114	1.11	15	2	TEA		UTE	-0.21	UTE	UTE				2006	460HR	04/03 RFO
107	118	0.53	82	9	PLP		014	+0.89	014	014				4014	460SI	04/03 RFO
		0.20	84	2	VOL		014	+0.82	014	014				4014	460SI	04/03 RFO
108	85	0.09	82	2	VOL		009	-15.08	009	009				4056	460SI	04/03 RFO
108	86	0.81	73	P 3	TWD	19	004	-0.67	004	004	WAR			4056	460SI	04/03 RFO
109	19	0.09	48	2	VOL		011	-7.72	011	011				4027	460SI	04/03 RFO
109	60	0.27	155	P 3	TWD	7	007	-0.81	007	007	WAR			4052	460SI	04/03 RFO
109	61	0.18	52	2	VOL		009	+17.00	009	009				4056	460SI	04/03 RFO
		0.12	40	2	VOL		009	+18.67	009	009				4056	460SI	04/03 RFO
109	69	0.13	49	2	VOL		015	+16.90	015	015				4056	460SI	04/03 RFO
109	99	0.22	58	2	VOL		005	-11.73	005	005				4032	460SI	04/03 RFO
110	29	0.11	49	2	VOL		011	-6.58	011	011				4039	460SI	04/03 RFO
		0.09	61	2	VOL		011	-5.14	011	011				4039	460SI	04/03 RFO
		0.08	56	2	VOL		011	+16.74	011	011				4039	460SI	04/03 RFO
110	90	8.23	178	1	DNT		001	+9.87	001	001				4030	460SI	04/03 RFO
111	25	0.09	59	2	VOL		012	-3.75	012	012				4039	460SI	04/03 RFO
111	72	5.32	179	1	DNT		UTS	+16.91	UTS	UTS				4056	460SI	04/03 RFO
111	78	0.08	104	2	SAI		004	-19.55	004	004				4056	460SI	04/03 RFO
		0.12	145	2	TWD	1	004	-19.55	004	004				4056	460SI	04/03 RFO
111	82	0.14	37	2	VOL		012	-3.00	012	012				4056	460SI	04/03 RFO
111	98	1.66	19	2	TEA		UTE	-0.20	UTE	UTE				2020	460HR	04/03 RFO
		0.17	79	2	SAI		015	+20.63	015	015				4032	460SI	04/03 RFO
		0.17	79	2	TWD	35	015	+20.63	015	015				4032	460SI	04/03 RFO
112	1	0.21	150	2	VOL		015	+14.52	015	015				4021	460SI	04/03 RFO
112	16	0.12	62	2	VOL		003	+8.77	003	003				4027	460SI	04/03 RFO
112	59	0.11	71	P 1	VOL		012	+15.07	012	012				4058	460SI	04/03 RFO
112	110	0.45	120	P 3	TWD	8	009	-0.66	009	009	WAR			4014	460SI	04/03 RFO
112	115	0.42	55	P 3	TWD	7	010	+0.77	010	010	WAR			4014	460SI	04/03 RFO
112	116	0.35	60	P 3	TWD	6	008	-0.59	008	008	WAR			4014	460SI	04/03 RFO
113	20	0.23	52	2	VOL		011	-11.42	011	011				4027	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
113	23	1.00	18	2	TEA		UTE	-0.16	UTE	UTE				2071		460HR	04/03 RFO
113	36	2.24	13	2	TEA		UTE	-0.13	UTE	UTE				2072		460HR	04/03 RFO
113	85	0.07	75	2	VOL		008	+19.01	008	008				4056		460SI	04/03 RFO
114	11	0.68	71	P 3	TWD	16	014	+0.79	014	014	WAR			4027		460SI	04/03 RFO
114	15	0.26	46	2	VOL		015	+21.53	015	015				4027		460SI	04/03 RFO
114	18	0.23	48	2	SAI		005	+12.72	005	005				4027		460SI	04/03 RFO
		0.23	48	2	TWD	90	005	+12.72	005	005				4027		460SI	04/03 RFO
		0.19	43	2	VOL		006	-15.58	006	006				4027		460SI	04/03 RFO
		0.16	82	2	VOL		007	-19.55	007	007				4027		460SI	04/03 RFO
		0.21	58	2	VOL		008	-13.50	008	008				4027		460SI	04/03 RFO
		0.09	62	2	VOL		008	+4.37	008	008				4027		460SI	04/03 RFO
		0.15	56	2	VOL		009	-14.79	009	009				4027		460SI	04/03 RFO
		0.15	55	2	VOL		009	+7.04	009	009				4027		460SI	04/03 RFO
114	34	1.82	21	2	TEA		UTE	-0.22	UTE	UTE				2071		460HR	04/03 RFO
114	51	1.52	15	2	TEA		UTE	-0.17	UTE	UTE				2047		460HR	04/03 RFO
114	95	1.06	22	2	TEA		UTE	-0.20	UTE	UTE				2019		460HR	04/03 RFO
114	114	0.32	90	P 3	TWD	5	010	+0.71	010	010	WAR			4014		460SI	04/03 RFO
115	2	0.15	115	2	VOL		LTS	+0.01	LTE	LTS				4065		460SI	04/03 RFO
		0.09	116	2	VOL		LTS	+0.01	LTE	LTS				4067		460SI	04/03 RFO
115	33	1.03	23	2	TEA		UTE	-0.21	UTE	UTE				2072		460HR	04/03 RFO
115	65	0.19	47	2	VOL		014	+2.57	014	014				4056		460SI	04/03 RFO
115	97	0.87	19	2	SAI		UTE	-3.07	UTE	UTS	URT			2019		460HR	04/03 RFO
		0.87	19	2	TWD	60	UTE	-3.07	UTE	UTS				2019		460HR	04/03 RFO
		0.17	65	2	VOL		014	+1.14	014	014				4030		460SI	04/03 RFO
115	98	0.83	78	P 3	TWD	14	014	+0.78	014	014	WAR			4014		460SI	04/03 RFO
		0.14	70	2	VOL		013	+12.53	013	013				4014		460SI	04/03 RFO
115	106	0.31	47	P 3	TWD	5	010	-0.52	010	010	WAR			4014		460SI	04/03 RFO
115	110	0.19	43	2	SAI		009	+14.26	009	009				4014		460SI	04/03 RFO
		0.19	43	2	TWD	93	009	+14.26	009	009				4014		460SI	04/03 RFO
		0.38	131	2	VOL		009	-0.58	009	009				4014		460SI	04/03 RFO
115	111	1.26	74	P 3	TWD	21	008	-0.52	008	008	WAR			4014		460SI	04/03 RFO
		0.42	52	P 3	TWD	7	008	+0.59	008	008	WAR			4014		460SI	04/03 RFO
115	113	0.57	109	P 3	TWD	10	010	+0.65	010	010	WAR			4014		460SI	04/03 RFO
116	13	1.77	29	2	TEA		UTE	-0.19	UTE	UTE				2089		460HR	04/03 RFO
116	43	0.66	23	2	TEA		UTE	-0.17	UTE	UTE				2046		460HR	04/03 RFO
116	49	0.15	67	2	VOL		012	+0.27	012	012				4043		460SI	04/03 RFO
116	57	1.76	14	2	TEA		UTE	-0.23	UTE	UTE				2032		460HR	04/03 RFO
116	61	0.10	87	2	SAI		015	+21.88	015	015				4056		460SI	04/03 RFO
		0.10	87	2	TWD	40	015	+21.88	015	015				4056		460SI	04/03 RFO
		0.20	81	2	SAI		015	+22.17	015	015				4056		460SI	04/03 RFO
		0.20	81	2	TWD	46	015	+22.17	015	015				4056		460SI	04/03 RFO
116	82	0.13	73	2	VOL		009	-4.97	009	009				4056		460SI	04/03 RFO
117	3	0.41	0	P 3	TWD	11	009	+0.63	009	009	WAR			4016		460SI	04/03 RFO
117	19	0.15	54	2	VOL		004	+5.13	004	004				4027		460SI	04/03 RFO
117	23	2.11	20	2	TEA		UTE	-0.19	UTE	UTE				2071		460HR	04/03 RFO
117	37	1.02	10	2	TEA		UTE	-0.24	UTE	UTE				2071		460HR	04/03 RFO
117	45	1.10	41	2	TEA		UTE	-0.09	UTE	UTE				2047		460HR	04/03 RFO
117	51	1.29	12	2	TEA		UTE	-0.15	UTE	UTE				2047		460HR	04/03 RFO
117	56	0.16	98	2	VOL		UTS	-22.01	UTS	UTS				4056		460SI	04/03 RFO
117	59	1.24	9	2	TEA		UTE	-0.22	UTE	UTE				2033		460HR	04/03 RFO
117	106	0.73	87	P 3	TWD	12	010	+0.74	010	010	WAR			4014		460SI	04/03 RFO
117	108	0.39	98	2	VOL		008	+0.27	008	008				4026		460SI	04/03 RFO
118	3	0.38	0	P 3	TWD	10	009	+0.64	009	009	WAR			4016		460SI	04/03 RFO
118	16	0.45	52	2	SVI		009	+1.30	009	009				4027		460SI	04/03 RFO
		0.45	52	2	TWD	87	009	+1.30	009	009				4027		460SI	04/03 RFO
118	86	0.42	63	P 3	TWD	7	004	-0.74	004	004	WAR			4014		460SI	04/03 RFO
118	99	0.11	116	2	VOL		015	-8.09	015	015				4032		460SI	04/03 RFO
118	106	0.11	52	2	VOL		014	+16.37	014	014				4014		460SI	04/03 RFO
		0.30	71	P 3	TWD	5	004	-0.68	004	004	WAR			4014		460SI	04/03 RFO
119	16	0.82	18	2	TEA		UTE	-0.24	UTE	UTE				2089		460HR	04/03 RFO
119	45	0.64	53	2	TEA		UTE	-0.07	UTE	UTE				2047		460HR	04/03 RFO
119	53	2.70	6	2	TEA		UTE	-0.15	UTE	UTE				2047		460HR	04/03 RFO
119	88	0.26	112	P 3	TWD	4	014	+0.34	014	014	WAR			4014		460SI	04/03 RFO
119	98	0.07	153	2	VOL		002	-10.24	002	002				4030		460SI	04/03 RFO
119	106	0.63	96	P 3	TWD	11	008	-0.60	008	008	WAR			4014		460SI	04/03 RFO
120	78	0.40	103	2	VOL		013	+0.76	013	013				4056		460SI	04/03 RFO
120	85	0.82	19	2	TWD	52	UTE	-3.51	UTE	UTS				2019		460HR	04/03 RFO
		0.82	19	2	MAI		UTE	-3.51	UTE	UTS	URT			2019		460HR	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
120	105	0.57	71	P 1	SVI		UTS	+0.33	UTS	UTS				4014	460SI	04/03	RFO
		0.58	74	2	TWD	35	UTS	+0.33	UTS	UTS				4014	460SI	04/03	RFO
		0.14	69	2	SAI		UTS	-10.20	UTS	UTS				4014	460SI	04/03	RFO
		0.14	69	2	TWD	54	UTS	-10.20	UTS	UTS				4014	460SI	04/03	RFO
		0.20	76	2	SAI		015	-7.02	015	015				4014	460SI	04/03	RFO
		0.11	69	2	SAI		015	+3.23	015	015				4014	460SI	04/03	RFO
		0.11	69	2	TWD	54	015	+3.23	015	015				4014	460SI	04/03	RFO
		0.26	75	2	MAI		015	-6.86	015	015				4014	460SI	04/03	RFO
		0.26	75	2	TWD	30	015	-6.86	015	015				4014	460SI	04/03	RFO
		0.18	74	2	TWD	35	015	-7.02	015	015				4014	460SI	04/03	RFO
		0.07	48	2	SAI		013	+9.29	013	013				4014	460SI	04/03	RFO
		0.06	74	2	TWD	35	013	+9.29	013	013				4014	460SI	04/03	RFO
		0.09	40	2	SAI		013	+10.21	013	013				4014	460SI	04/03	RFO
		0.09	40	2	TWD	95	013	+10.21	013	013				4014	460SI	04/03	RFO
		0.20	74	2	SAI		013	-16.23	013	013				4014	460SI	04/03	RFO
		0.20	74	2	TWD	35	013	-16.23	013	013				4014	460SI	04/03	RFO
		0.14	69	2	SAI		013	-1.42	013	013				4014	460SI	04/03	RFO
		0.14	69	2	TWD	54	013	-1.42	013	013				4014	460SI	04/03	RFO
		0.36	125	P 3	TWD	6	010	-0.16	010	010	WAR			4014	460SI	04/03	RFO
		0.72	100	P 3	TWD	12	008	-0.60	008	008	WAR			4014	460SI	04/03	RFO
120	107	0.16	39	2	VOL		008	+3.21	008	008				4026	460SI	04/03	RFO
121	54	2.73	21	2	TEA		UTE	-0.14	UTE	UTE				2033	460HR	04/03	RFO
121	78	0.20	72	2	VOL		UTS	-9.76	UTS	UTS				4056	460SI	04/03	RFO
121	90	0.27	29	2	SAI		012	-0.11	012	012				4014	460SI	04/03	RFO
		0.27	29	2	TWD	97	012	-0.11	012	012				4014	460SI	04/03	RFO
121	106	0.28	153	2	VOL		011	+0.35	011	011				4026	460SI	04/03	RFO
122	3	0.39	0	P 3	TWD	10	009	+0.56	009	009	WAR			4016	460SI	04/03	RFO
122	22	1.90	32	2	TEA		UTE	-0.24	UTE	UTE				2072	460HR	04/03	RFO
122	23	1.96	26	2	TEA		UTE	-0.20	UTE	UTE				2071	460HR	04/03	RFO
122	43	1.29	23	2	TEA		UTE	-0.08	UTE	UTE				2046	460HR	04/03	RFO
122	47	0.21	57	2	VOL		009	+6.00	009	009				4046	460SI	04/03	RFO
122	56	1.90	13	2	TEA		UTE	-0.20	UTE	UTE				2027	460HR	04/03	RFO
122	58	0.15	72	2	VOL		013	+9.22	013	013				4056	460SI	04/03	RFO
122	67	0.09	39	2	VOL		010	+15.22	010	010				4056	460SI	04/03	RFO
122	74	1.76	20	2	TEA		UTE	-0.25	UTE	UTE				2032	460HR	04/03	RFO
122	82	0.09	44	2	VOL		015	-11.23	015	015				4014	460SI	04/03	RFO
122	103	0.80	76	P 3	TWD	14	008	-0.67	008	008	WAR			4014	460SI	04/03	RFO
122	104	0.24	90	P 3	TWD	4	010	+0.57	010	010	WAR			4014	460SI	04/03	RFO
123	57	0.18	59	2	VOL		012	-13.53	012	012				4056	460SI	04/03	RFO
123	71	15.54	169	1	DNT		002	+18.67	002	002				4056	460SI	04/03	RFO
123	92	2.05	19	2	TEA		UTE	-0.21	UTE	UTE				2003	460HR	04/03	RFO
123	98	0.39	70	P 3	TWD	7	009	-0.30	009	009	WAR			4014	460SI	04/03	RFO
123	100	0.17	73	2	VOL		014	+1.46	014	014				4026	460SI	04/03	RFO
		0.09	70	2	VOL		014	+0.84	014	014				4026	460SI	04/03	RFO
123	101	0.31	103	P 3	TWD	5	008	-0.58	008	008	WAR			4014	460SI	04/03	RFO
123	103	0.14	64	2	VOL		004	-0.39	004	004				4014	460SI	04/03	RFO
		0.17	73	2	VOL		004	-0.70	004	004				4014	460SI	04/03	RFO
124	3	0.47	0	P 3	TWD	12	009	+0.61	009	009	WAR			4016	460SI	04/03	RFO
124	19	1.38	22	2	TEA		UTE	-0.19	UTE	UTE				2067	460HR	04/03	RFO
124	36	1.69	17	2	TEA		UTE	-0.21	UTE	UTE				2071	460HR	04/03	RFO
124	39	0.19	65	2	SAI		014	-6.93	014	014				4046	460SI	04/03	RFO
		0.19	65	2	TWD	65	014	-6.93	014	014				4046	460SI	04/03	RFO
		0.21	63	2	SAI		014	-6.59	014	014				4046	460SI	04/03	RFO
		0.21	63	2	TWD	68	014	-6.59	014	014				4046	460SI	04/03	RFO
		0.14	63	2	SAI		014	-5.35	014	014				4046	460SI	04/03	RFO
		0.14	63	2	TWD	68	014	-5.35	014	014				4046	460SI	04/03	RFO
124	42	1.82	28	2	TEA		UTE	-0.09	UTE	UTE				2047	460HR	04/03	RFO
124	45	0.11	63	2	VOL		012	-3.34	012	012				4046	460SI	04/03	RFO
124	94	0.09	99	2	VOL		014	+1.52	014	014				4030	460SI	04/03	RFO
124	100	0.16	65	2	VOL		007	+16.30	007	007				4026	460SI	04/03	RFO
125	6	1.13	14	2	TEA		UTE	-0.17	UTE	UTE				2105	460HR	04/03	RFO
125	7	0.62	43	P 3	TWD	15	009	-0.74	009	009	WAR			4027	460SI	04/03	RFO
125	31	0.82	14	2	TWD	34	UTE	-3.51	UTE	UTS	URT			2067	460HR	04/03	RFO
		0.82	14	2	SAI		UTE	-3.51	UTE	UTS				2067	460HR	04/03	RFO
125	40	2.31	29	2	TEA		UTE	-0.12	UTE	UTE				2046	460HR	04/03	RFO
125	52	0.83	0	P 3	TWD	18	004	-0.74	004	004	WAR			4058	460SI	04/03	RFO
125	54	0.32	75	2	VOL		015	+12.38	015	015				4058	460SI	04/03	RFO
125	58	1.00	14	2	TEA		UTE	-0.24	UTE	UTE				2026	460HR	04/03	RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
125	60	0.09	65	2	VOL		008	-11.20	008	008				4058	460SI	04/03	RFO
125	90	0.15	55	2	VOL		010	-10.40	010	010				4030	460SI	04/03	RFO
126	3	0.26	0	P 3	TWD	7	005	-0.22	005	005	WAR			4016	460SI	04/03	RFO
126	7	0.60	0	P 3	TWD	15	009	+0.66	009	009	WAR			4016	460SI	04/03	RFO
126	21	1.29	16	2	TEA		UTE	-0.20	UTE	UTE				2067	460HR	04/03	RFO
126	28	0.20	41	2	VOL		004	-0.72	004	004				4035	460SI	04/03	RFO
126	41	1.56	20	2	TEA		UTE	-0.11	UTE	UTE				2046	460HR	04/03	RFO
126	56	0.17	89	2	VOL		013	+12.04	013	013				4047	460SI	04/03	RFO
126	69	3.17	32	2	TEA		UTE	-0.20	UTE	UTE				2027	460HR	04/03	RFO
126	70	1.91	15	2	TEA		UTE	-0.23	UTE	UTE				2026	460HR	04/03	RFO
126	74	0.17	63	2	VOL		010	+9.18	010	010				4058	460SI	04/03	RFO
126	81	0.10	44	2	VOL		013	-12.37	013	013				4014	460SI	04/03	RFO
		0.30	117	P 3	TWD	5	013	-0.74	013	013	WAR			4014	460SI	04/03	RFO
126	84	0.08	62	2	VOL		003	-7.93	003	003				4030	460SI	04/03	RFO
126	97	0.17	81	2	VOL		005	+1.15	005	005				4010	460SI	04/03	RFO
127	14	1.86	15	2	TEA		UTE	-0.17	UTE	UTE				2067	460HR	04/03	RFO
127	26	0.76	10	2	TEA		UTE	-0.24	UTE	UTE				2067	460HR	04/03	RFO
127	38	2.64	19	2	TEA		UTE	-0.09	UTE	UTE				2046	460HR	04/03	RFO
127	47	0.17	71	2	VOL		014	+2.01	014	014				4046	460SI	04/03	RFO
127	72	0.13	51	2	VOL		010	-8.39	010	010				4058	460SI	04/03	RFO
127	73	0.16	70	2	VOL		015	-6.93	015	015				4058	460SI	04/03	RFO
127	79	0.48	31	2	MAI		UTE	-3.60	UTE	UTS	URT			2020	460HR	04/03	RFO
		0.48	31	2	TWD	99	UTE	-3.60	UTE	UTS	URT			2020	460HR	04/03	RFO
127	81	0.28	51	2	MAI		UTE	-3.62	UTE	UTS	URT			2020	460HR	04/03	RFO
		0.24	49	2	TWD	77	UTE	-3.62	UTE	UTS	URT			2020	460HR	04/03	RFO
127	84	1.68	22	2	TEA		UTE	-0.21	UTE	UTE				2019	460HR	04/03	RFO
128	5	1.53	14	2	TEA		UTE	-0.18	UTE	UTE				2086	460HR	04/03	RFO
128	9	0.61	26	2	TEA		UTE	-0.19	UTE	UTE				2105	460HR	04/03	RFO
128	10	1.30	18	2	TEA		UTE	-0.11	UTE	UTE				2085	460HR	04/03	RFO
128	11	0.22	41	2	VOL		LTS	+6.44	LTS	LTS				4027	460SI	04/03	RFO
128	16	0.16	67	2	VOL		014	+1.05	014	014				4039	460SI	04/03	RFO
128	25	0.10	83	2	SAI		UTS	-8.49	UTS	UTS				4039	460SI	04/03	RFO
		0.10	83	2	TWD	40	UTS	-8.49	UTS	UTS				4039	460SI	04/03	RFO
128	38	0.36	21	2	SAI		UTE	-3.55	UTE	UTS	URT			2046	460HR	04/03	RFO
		0.36	21	2	TWD	64	UTE	-3.55	UTE	UTS	URT			2046	460HR	04/03	RFO
128	51	1.05	16	2	TEA		UTE	-0.21	UTE	UTE				2027	460HR	04/03	RFO
128	52	0.70	80	2	VOL		003	+12.49	003	003				4047	460SI	04/03	RFO
128	94	0.10	93	2	VOL		005	+1.08	005	005				4026	460SI	04/03	RFO
129	2	0.31	0	P 3	TWD	8	010	+0.72	010	010	WAR			4016	460SI	04/03	RFO
129	8	1.19	11	2	TEA		UTE	-0.13	UTE	UTE				2105	460HR	04/03	RFO
129	18	0.87	2	2	VOL		011	+13.41	011	011				4039	460SI	04/03	RFO
129	24	1.06	16	2	TWD	42	UTE	-3.55	UTE	UTS				2067	460HR	04/03	RFO
		1.06	16	2	SAI		UTE	-3.55	UTE	UTS	URT			2067	460HR	04/03	RFO
129	40	1.44	27	2	TEA		UTE	-0.12	UTE	UTE				2047	460HR	04/03	RFO
129	49	0.30	23	P 3	TWD	4	004	-0.69	004	004	WAR			4047	460SI	04/03	RFO
129	94	0.32	85	P 3	TWD	11	010	-0.70	010	010	WAR			4061	460SI	04/03	RFO
130	5	0.38	0	P 3	TWD	10	010	+0.52	010	010	WAR			4016	460SI	04/03	RFO
		0.14	59	2	VOL		UTS	-15.40	UTS	UTS				4016	460SI	04/03	RFO
130	8	0.55	96	P 3	TWD	16	010	-0.77	010	010	WAR			4016	460SI	04/03	RFO
130	9	0.16	66	2	VOL		004	-9.92	004	004				4016	460SI	04/03	RFO
130	18	0.17	51	2	VOL		011	-14.86	011	011				4039	460SI	04/03	RFO
130	34	1.28	13	2	TEA		UTE	-0.12	UTE	UTE				2046	460HR	04/03	RFO
130	44	0.14	33	2	VOL		001	-22.73	001	001				4046	460SI	04/03	RFO
130	57	0.15	62	2	VOL		012	-8.73	012	012				4058	460SI	04/03	RFO
130	67	1.23	16	2	TEA		UTE	-0.20	UTE	UTE				2026	460HR	04/03	RFO
130	81	0.15	64	2	VOL		009	-13.05	009	009				4026	460SI	04/03	RFO
130	85	1.76	21	2	TEA		UTE	-0.16	UTE	UTE				2003	460HR	04/03	RFO
130	86	1.60	15	2	TEA		UTE	-0.18	UTE	UTE				2004	460HR	04/03	RFO
		0.07	46	2	VOL		010	-5.42	010	010				4026	460SI	04/03	RFO
130	91	0.27	30	P 3	TWD	8	010	+0.70	010	010	WAR			4010	460SI	04/03	RFO
131	5	0.46	0	P 3	TWD	15	009	+0.60	009	009	WAR			4016	460SI	04/03	RFO
		0.36	57	P 3	TWD	11	010	+0.69	010	010	WAR			4016	460SI	04/03	RFO
131	11	2.07	21	2	TEA		UTE	-0.17	UTE	UTE				2067	460HR	04/03	RFO
131	35	0.20	81	2	SAI		015	-16.66	015	015				4046	460SI	04/03	RFO
		0.20	81	2	TWD	45	015	-16.66	015	015				4046	460SI	04/03	RFO
		0.47	87	9	PLP		015	+1.26	015	015				4046	460SI	04/03	RFO
131	63	0.46	81	P 3	TWD	9	002	-0.42	002	002	WAR			4058	460SI	04/03	RFO
131	81	0.16	90	2	VOL		002	+16.66	002	002				4026	460SI	04/03	RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
131	82	0.15	81	2	VOL		009	+4.67	009	009				4026	460SI	04/03	RFO
132	5	0.39	68	P 3	TWD	12	010	-0.73	010	010	WAR			4016	460SI	04/03	RFO
132	6	0.55	145	P 3	TWD	14	010	-0.78	010	010	WAR			4027	460SI	04/03	RFO
132	13	1.01	15	2	TEA		UTE	-0.18	UTE	UTE				2067	460HR	04/03	RFO
132	20	1.72	14	2	TEA		UTE	-0.20	UTE	UTE				2067	460HR	04/03	RFO
132	34	0.14	61	2	VOL		009	+15.71	009	009				4046	460SI	04/03	RFO
132	44	1.52	17	2	TEA		UTE	-0.18	UTE	UTE				2027	460HR	04/03	RFO
132	85	0.35	103	2	VOL		011	+0.33	011	011				4026	460SI	04/03	RFO
133	5	0.52	95	P 3	TWD	15	010	+0.63	010	010	WAR			4016	460SI	04/03	RFO
		0.29	0	P 3	TWD	10	010	-0.78	010	010	WAR			4016	460SI	04/03	RFO
133	9	0.51	114	P 3	TWD	18	009	+0.62	009	009	WAR			4035	460SI	04/03	RFO
133	31	0.17	78	2	VOL		015	+0.99	015	015				4043	460SI	04/03	RFO
133	40	1.26	9	2	TEA		UTE	-0.09	UTE	UTE				2046	460HR	04/03	RFO
133	45	1.40	19	2	TEA		UTE	-0.24	UTE	UTE				2026	460HR	04/03	RFO
133	46	1.76	16	2	TEA		UTE	-0.23	UTE	UTE				2027	460HR	04/03	RFO
133	52	1.24	18	2	TEA		UTE	-0.22	UTE	UTE				2027	460HR	04/03	RFO
133	57	0.06	11	2	VOL		LTS	+19.76	LTS	LTS				4058	460SI	04/03	RFO
133	73	0.09	130	2	VOL		013	+0.26	013	013				4010	460SI	04/03	RFO
134	2	0.30	72	P 3	TWD	9	004	-0.76	004	004	WAR			4016	460SI	04/03	RFO
134	37	0.12	81	2	VOL		013	+3.50	013	013				4046	460SI	04/03	RFO
134	62	1.41	23	2	TEA		UTE	-0.18	UTE	UTE				2027	460HR	04/03	RFO
134	76	0.07	72	2	VOL		015	-9.02	015	015				4026	460SI	04/03	RFO
135	1	0.97	96	1	VOL		010	+6.07	010	010				4016	460SI	04/03	RFO
135	5	0.29	90	P 3	TWD	10	010	+0.64	010	010	WAR			4016	460SI	04/03	RFO
135	8	2.10	17	2	TEA		UTE	-0.18	UTE	UTE				2067	460HR	04/03	RFO
135	14	1.60	15	2	TEA		UTE	-0.20	UTE	UTE				2067	460HR	04/03	RFO
135	30	0.78	31	2	MAI		UTE	-3.56	UTE	UTS	URT			2047	460HR	04/03	RFO
		0.78	31	2	TWD	99	UTE	-3.56	UTE	UTS				2047	460HR	04/03	RFO
135	31	1.64	20	2	TEA		UTE	-0.13	UTE	UTE				2046	460HR	04/03	RFO
135	33	2.52	17	2	TEA		UTE	-0.12	UTE	UTE				2046	460HR	04/03	RFO
		0.22	64	2	VOL		012	-1.40	012	012				4046	460SI	04/03	RFO
135	36	0.21	77	P 3	TWD	8	004	-0.72	004	004	WAR			4043	460SI	04/03	RFO
136	28	0.84	22	2	SAI		UTE	-3.52	UTE	UTS	URT			2047	460HR	04/03	RFO
		0.84	22	2	TWD	64	UTE	-3.52	UTE	UTS				2047	460HR	04/03	RFO
136	29	1.56	23	2	TEA		UTE	-0.15	UTE	UTE				2046	460HR	04/03	RFO
136	30	1.15	21	2	TWD	60	UTE	-3.56	UTE	UTS				2047	460HR	04/03	RFO
		1.15	21	2	SAI		UTE	-3.56	UTE	UTS	URT			2047	460HR	04/03	RFO
136	37	0.16	21	2	VOL		002	+18.89	002	002				4046	460SI	04/03	RFO
136	70	0.28	94	2	VOL		003	+0.76	003	003				4026	460SI	04/03	RFO
137	1	0.25	47	2	VOL		012	-13.80	012	012				4021	460SI	04/03	RFO
137	6	0.40	81	P 4	SVI		009	+18.53	009	009				4039	460SI	04/03	RFO
		0.40	81	P 4	TWD	24	009	+18.53	009	009				4039	460SI	04/03	RFO
137	7	1.57	17	2	TEA		UTE	-0.19	UTE	UTE				2062	460HR	04/03	RFO
		0.27	59	2	VOL		015	-12.88	015	015				4039	460SI	04/03	RFO
137	12	1.56	21	2	TEA		UTE	-0.18	UTE	UTE				2062	460HR	04/03	RFO
137	13	1.74	19	2	TEA		UTE	-0.20	UTE	UTE				2063	460HR	04/03	RFO
137	15	2.90	19	2	TEA		UTE	-0.19	UTE	UTE				2063	460HR	04/03	RFO
137	17	2.30	23	2	TEA		UTE	-0.20	UTE	UTE				2063	460HR	04/03	RFO
137	18	1.39	17	2	TEA		UTE	-0.18	UTE	UTE				2105	460HR	04/03	RFO
137	33	0.36	67	2	VOL		004	+11.94	004	004				4046	460SI	04/03	RFO
		0.23	74	2	VOL		004	+14.19	004	004				4046	460SI	04/03	RFO
137	58	1.13	90	2	TEA		UTE	-0.13	UTE	UTE				2027	460HR	04/03	RFO
137	70	0.08	14	2	VOL		001	-9.00	001	001				4026	460SI	04/03	RFO
137	71	1.24	27	2	TWD	88	UTE	-3.47	UTE	UTS				2003	460HR	04/03	RFO
		1.24	27	2	SAI		UTE	-3.47	UTE	UTS	URT			2003	460HR	04/03	RFO
137	78	2.28	49	2	TEA		UTE	-0.14	UTE	UTE				2004	460HR	04/03	RFO
138	9	1.88	24	2	TEA		UTE	-0.19	UTE	UTE				2062	460HR	04/03	RFO
138	11	1.23	12	2	TEA		UTE	-0.21	UTE	UTE				2062	460HR	04/03	RFO
138	14	2.45	25	2	TEA		UTE	-0.16	UTE	UTE				2063	460HR	04/03	RFO
138	15	1.96	20	2	TEA		UTE	-0.17	UTE	UTE				2062	460HR	04/03	RFO
138	17	1.31	14	2	TEA		UTE	-0.23	UTE	UTE				2062	460HR	04/03	RFO
		0.32	108	2	VOL		UTS	+12.96	UTS	UTS				4039	460SI	04/03	RFO
138	21	0.18	54	2	VOL		001	-5.70	001	001				4039	460SI	04/03	RFO
138	31	1.73	18	2	TEA		UTE	-0.23	UTE	UTE				2051	460HR	04/03	RFO
138	41	2.00	16	2	TEA		UTE	-0.18	UTE	UTE				2027	460HR	04/03	RFO
138	42	1.28	13	2	SAI		UTE	-3.54	UTE	UTS	URT			2026	460HR	04/03	RFO
		1.28	13	2	TWD	37	UTE	-3.54	UTE	UTS				2026	460HR	04/03	RFO
138	70	0.07	54	2	VOL		015	-9.00	015	015				4026	460SI	04/03	RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	PROBE	OUTAGE
		0.08	50	2	VOL		014	+5.30	014	014				4026	460SI	04/03 RFO
		0.09	57	2	VOL		014	+4.54	014	014				4026	460SI	04/03 RFO
138	75	0.26	91	2	SAI		015	-1.10	015	015				4026	460SI	04/03 RFO
		0.26	91	2	TWD	19	015	-1.10	015	015				4026	460SI	04/03 RFO
		0.19	88	2	SAI		015	-2.07	015	015				4026	460SI	04/03 RFO
		0.19	88	2	TWD	23	015	-2.07	015	015				4026	460SI	04/03 RFO
139	2	0.69	10	2	TEA		UTE	-0.14	UTE	UTE				2063	460HR	04/03 RFO
		0.08	84	2	SAI		010	+6.15	010	010				4039	460SI	04/03 RFO
		0.08	84	2	TWD	39	010	+6.15	010	010				4039	460SI	04/03 RFO
		0.23	263	P 4	SVI		010	+5.66	010	010				4039	460SI	04/03 RFO
		0.23	83	P 4	TWD	20	010	+5.66	010	010				4039	460SI	04/03 RFO
139	4	0.93	17	2	TEA		UTE	-0.17	UTE	UTE				2062	460HR	04/03 RFO
		0.21	92	2	VOL		010	+3.05	010	010				4039	460SI	04/03 RFO
139	5	1.33	21	2	TEA		UTE	-0.15	UTE	UTE				2063	460HR	04/03 RFO
139	10	1.29	16	2	TEA		UTE	-0.17	UTE	UTE				2062	460HR	04/03 RFO
139	12	1.86	25	2	TEA		UTE	-0.23	UTE	UTE				2062	460HR	04/03 RFO
139	29	0.28	63	2	VOL		009	+7.76	009	009				4046	460SI	04/03 RFO
139	35	0.39	125	2	TEA		UTE	-0.06	UTE	UTE				2050	460HR	04/03 RFO
139	67	1.74	36	2	TEA		UTE	-0.18	UTE	UTE				2004	460HR	04/03 RFO
139	71	1.59	50	2	TEA		UTE	-0.20	UTE	UTE				2004	460HR	04/03 RFO
140	9	1.08	23	2	TEA		UTE	-0.17	UTE	UTE				2062	460HR	04/03 RFO
140	14	1.57	8	2	TEA		UTE	-0.19	UTE	UTE				2063	460HR	04/03 RFO
140	17	0.44	59	2	SAI		015	-6.93	015	015				4039	460SI	04/03 RFO
		0.44	59	2	TWD	67	015	-6.93	015	015				4039	460SI	04/03 RFO
140	27	3.49	22	2	TEA		UTE	-0.15	UTE	UTE				2050	460HR	04/03 RFO
		0.27	61	2	VOL		010	-1.31	010	010				4046	460SI	04/03 RFO
		0.35	80	2	VOL		014	-3.07	014	014				4046	460SI	04/03 RFO
140	28	1.29	21	2	TEA		UTE	-0.21	UTE	UTE				2051	460HR	04/03 RFO
140	38	0.92	19	2	TEA		UTE	-0.10	UTE	UTE				2023	460HR	04/03 RFO
140	51	0.21	103	2	VOL		015	+10.00	015	015				4058	460SI	04/03 RFO
		0.25	97	2	VOL		015	+10.84	015	015				4058	460SI	04/03 RFO
141	2	0.16	96	2	VOL		015	-4.02	015	015				4035	460SI	04/03 RFO
141	9	2.46	21	2	TEA		UTE	-0.18	UTE	UTE				2063	460HR	04/03 RFO
141	10	1.60	20	2	TEA		UTE	-0.15	UTE	UTE				2062	460HR	04/03 RFO
141	13	2.75	22	2	TEA		UTE	-0.20	UTE	UTE				2063	460HR	04/03 RFO
141	24	2.01	27	2	TEA		UTE	-0.16	UTE	UTE				2050	460HR	04/03 RFO
141	27	0.12	45	2	VOL		013	-7.19	013	013				4046	460SI	04/03 RFO
141	40	2.15	16	2	TEA		UTE	-0.13	UTE	UTE				2023	460HR	04/03 RFO
141	61	0.20	65	2	VOL		008	-18.98	008	008				4058	460SI	04/03 RFO
		0.21	65	2	VOL		008	-15.86	008	008				4058	460SI	04/03 RFO
142	5	0.27	84	P 3	TWD	11	009	+0.55	009	009	WAR			4035	460SI	04/03 RFO
142	8	0.18	33	P 3	TWD	7	009	-0.43	009	009	WAR			4035	460SI	04/03 RFO
142	13	1.35	15	2	TEA		UTE	-0.24	UTE	UTE				2062	460HR	04/03 RFO
142	24	2.65	22	2	TEA		UTE	-0.22	UTE	UTE				2051	460HR	04/03 RFO
142	26	0.19	113	P 3	TWD	8	002	-0.75	002	002	WAR			4043	460SI	04/03 RFO
142	27	0.43	85	2	VOL		006	-11.74	006	006				4046	460SI	04/03 RFO
		0.17	59	2	VOL		012	+13.48	012	012				4046	460SI	04/03 RFO
142	52	3.50	21	2	TEA		UTE	-0.19	UTE	UTE				2024	460HR	04/03 RFO
142	62	0.08	45	2	VOL		015	+8.44	015	015				4026	460SI	04/03 RFO
142	63	0.09	91	2	VOL		010	-8.98	010	010				4026	460SI	04/03 RFO
		0.07	60	2	VOL		010	-10.72	010	010				4026	460SI	04/03 RFO
		0.22	72	2	VOL		005	+16.26	005	005				4026	460SI	04/03 RFO
142	65	0.55	137	2	VOL		015	+12.91	015	015				4026	460SI	04/03 RFO
143	3	0.10	50	2	VOL		011	+19.02	011	011				4039	460SI	04/03 RFO
143	5	0.97	11	2	TEA		UTE	-0.09	UTE	UTE				2062	460HR	04/03 RFO
143	6	2.06	29	2	TEA		UTE	-0.18	UTE	UTE				2063	460HR	04/03 RFO
		0.21	61	2	VOL		004	-18.86	004	004				4039	460SI	04/03 RFO
143	13	0.44	123	P 3	TWD	16	006	-0.58	006	006	WAR			4035	460SI	04/03 RFO
143	24	1.84	28	2	MAI		UTE	-3.50	UTE	UTS	URT			2050	460HR	04/03 RFO
		1.43	34	2	TWD	95	UTE	-3.50	UTE	UTS				2050	460HR	04/03 RFO
143	25	0.62	147	P 3	TWD	13	009	-0.66	009	009	WAR			4043	460SI	04/03 RFO
143	29	0.13	19	2	VOL		001	+12.89	001	001				4046	460SI	04/03 RFO
		0.16	52	2	VOL		001	-3.45	001	001				4046	460SI	04/03 RFO
143	33	0.15	43	2	VOL		003	-2.62	003	003				4047	460SI	04/03 RFO
143	52	0.23	90	2	VOL		UTS	+16.97	UTS	UTS				4058	460SI	04/03 RFO
144	14	0.56	46	P 3	TWD	19	009	-0.42	009	009	WAR			4035	460SI	04/03 RFO
144	16	0.21	98	2	VOL		009	-0.69	009	009				4046	460SI	04/03 RFO
		0.13	62	2	VOL		011	-11.47	011	011				4046	460SI	04/03 RFO

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
144	40	0.46	72	P	3	TWD	10	009									
144	52	0.62	69	2		VOL		009	009	WAR				4053	460SI	04/03	RFO
145	27	1.57	28	2		MAI		009	009	WAR				4055	460SI	04/03	RFO
		1.57	28	2		TWD	91	UTE	UTE	UTS	URT			2023	460HR	04/03	RFO
145	31	1.03	21	2		TEA		UTE	UTE	UTE				2023	460HR	04/03	RFO
145	33	1.59	27	2		MAI		UTE	UTE	UTS	URT			2024	460HR	04/03	RFO
		1.59	27	2		TWD	82	UTE	UTE	UTS				2024	460HR	04/03	RFO
145	41	0.31	82	P	3	TWD	7	009	009	009	WAR			4053	460SI	04/03	RFO
145	42	0.31	57	2		VOL		015	015	015				4053	460SI	04/03	RFO
		0.24	108	P	3	TWD	5	009	009	009	WAR			4053	460SI	04/03	RFO
145	43	0.13	89	P	3	TWD	3	010	010	010	WAR			4053	460SI	04/03	RFO
145	44	0.46	97	P	3	TWD	10	009	009	009	WAR			4053	460SI	04/03	RFO
145	47	1.49	21	2		MAI		UTE	UTE	UTS	URT			2024	460HR	04/03	RFO
		1.49	21	2		TWD	60	UTE	UTE	UTS				2024	460HR	04/03	RFO
145	48	0.43	40	P	3	TWD	8	009	009	009	WAR			4055	460SI	04/03	RFO
145	49	0.95	69	P	3	TWD	16	010	010	010	WAR			4055	460SI	04/03	RFO
145	51	0.66	87	P	3	TWD	12	010	010	010	WAR			4055	460SI	04/03	RFO
146	10	0.28	21	P	3	TWD	11	008	008	008	WAR			4035	460SI	04/03	RFO
146	11	0.16	85	2		VOL		014	014	014				4039	460SI	04/03	RFO
146	15	0.63	152	P	3	TWD	13	009	009	009	WAR			4043	460SI	04/03	RFO
146	16	2.01	23	2		TEA		UTE	UTE	UTE				2050	460HR	04/03	RFO
146	18	1.23	12	2		TEA		UTE	UTE	UTE				2050	460HR	04/03	RFO
146	32	0.40	17	2		MAI		UTE	UTE	UTS	URT			2023	460HR	04/03	RFO
		0.40	17	2		TWD	44	UTE	UTE	UTS				2023	460HR	04/03	RFO
		0.15	69	2		VOL		013	013	013				4047	460SI	04/03	RFO
146	40	0.19	84	P	3	TWD	4	010	010	010	WAR			4053	460SI	04/03	RFO
146	42	0.28	71	P	3	TWD	7	010	010	010	WAR			4053	460SI	04/03	RFO
146	44	0.40	64	P	3	TWD	9	010	010	010	WAR			4053	460SI	04/03	RFO
146	50	1.86	28	2		MAI		UTE	UTE	UTS	URT			2024	460HR	04/03	RFO
		1.86	28	2		TWD	86	UTE	UTE	UTS				2024	460HR	04/03	RFO
147	2	1.26	27	2		TEA		UTE	UTE	UTE				2063	460HR	04/03	RFO
147	37	0.19	160	2		VOL		009	009	009				4053	460SI	04/03	RFO
147	43	0.14	75	2		VOL		014	014	014				4053	460SI	04/03	RFO
147	45	1.09	24	2		SAI		UTE	UTE	UTS	URT			2023	460HR	04/03	RFO
		1.09	24	2		TWD	72	UTE	UTE	UTS				2023	460HR	04/03	RFO
148	12	2.67	22	2		TEA		UTE	UTE	UTS				2051	460HR	04/03	RFO
148	23	0.09	67	2		VOL		012	012	012				4047	460SI	04/03	RFO
148	26	0.48	29	2		MAI		UTE	UTE	UTS	URT			2023	460HR	04/03	RFO
		0.48	29	2		TWD	96	UTE	UTE	UTS				2023	460HR	04/03	RFO
148	28	0.18	59	P	3	TWD	3	004	004	004	WAR			4050	460SI	04/03	RFO
148	30	0.35	75	P	3	TWD	6	010	010	010	WAR			4050	460SI	04/03	RFO
148	35	0.19	73	2		VOL		010	010	010				4050	460SI	04/03	RFO
		0.17	74	2		VOL		010	010	010				4050	460SI	04/03	RFO
148	37	0.20	87	2		VOL		015	015	015				4053	460SI	04/03	RFO
148	38	0.12	91	2		VOL		013	013	013				4053	460SI	04/03	RFO
		0.13	119	2		VOL		010	010	010				4053	460SI	04/03	RFO
148	40	1.17	184	1		DNT		015	015	015				4053	460SI	04/03	RFO
148	41	1.60	180	1		DNT		015	015	015				4053	460SI	04/03	RFO
149	1	0.23	97	2		VOL		015	015	015				4035	460SI	04/03	RFO
149	3	0.12	52	2		VOL		014	014	014				4046	460SI	04/03	RFO
149	16	0.17	40	2		VOL		010	010	010				4046	460SI	04/03	RFO
149	17	6.95	180	1		DNT		LTS	LTS	LTS				4047	460SI	04/03	RFO
149	25	0.61	82	P	3	TWD	10	010	010	010	WAR			4050	460SI	04/03	RFO
149	30	0.64	79	P	3	TWD	11	011	011	011	WAR			4050	460SI	04/03	RFO
		0.32	72	P	3	TWD	5	010	010	010	WAR			4050	460SI	04/03	RFO
149	34	0.17	88	2		VOL		013	013	013				4050	460SI	04/03	RFO
150	5	0.51	23	2		TEA		UTE	UTE	UTE				2051	460HR	04/03	RFO
150	11	0.56	162	P	3	TWD	12	010	010	010	WAR			4043	460SI	04/03	RFO
150	17	0.10	85	2		VOL		014	014	014				4047	460SI	04/03	RFO
		0.45	72	P	3	TWD	7	010	010	010	WAR			4047	460SI	04/03	RFO
151	2	0.61	15	2		TEA		UTE	UTE	UTE				2051	460HR	04/03	RFO
		0.14	75	2		SAI		015	015	015				4046	460SI	04/03	RFO
		0.14	75	2		TWD	53	015	015	015				4046	460SI	04/03	RFO
151	3	0.23	158	P	3	TWD	9	013	013	013	WAR			4043	460SI	04/03	RFO
151	11	0.11	89	2		SAI		015	015	015				4047	460SI	04/03	RFO
		0.11	89	2		TWD	21	015	015	015				4047	460SI	04/03	RFO
151	16	0.41	98	2		VOL		015	015	015				4050	460SI	04/03	RFO

Framatome ANP Inc.
Customer Name: Oconee Unit 3

05/20/03 16:09:08
Component: S/G B

Page 28 of 28

ATTACHMENT # 4 - LIST OF IMPERFECTIONS - MRPC/PLUS POINT

QUERY: QueryM1

ROW	TUBE	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	PROBE	OUTAGE
-----	------	-------	-----	-----	-----	-----	----------	-----	-----	------	---	------	---	-----	---	-------	--------

Total Tubes : 1226
Total Records: 1835

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
1	1
45	1
47	1
105	1
115	1
123	1
130	1
138	1
12	2
28	2
37	2
49	2
67	2
112	2
120	2
2	3
52	3
66	3
123	3
129	4
147	4
11	5
61	5
123	5
150	5
151	5
5	6
10	6
3	7
74	7
110	7
114	7
149	7
88	8
108	8
116	8
139	8
59	9
85	9
151	9
110	10
2	11
100	11
108	11
150	12
151	12
10	13
129	13
8	14
71	14
89	14
129	14
133	14
151	14

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
71	15
81	15
83	15
90	15
89	16
90	16
8	17
33	17
62	17
71	17
90	17
127	17
133	17
147	17
12	18
62	18
63	18
66	18
70	18
109	19
149	19
11	20
62	20
150	20
27	21
33	21
63	21
145	21
63	22
150	22
66	23
69	23
71	23
78	23
144	23
87	24
63	25
85	25
133	25
145	25
149	25
78	26
134	26
135	28
141	28
3	29
80	29
132	29
135	29
140	29
145	29
37	30
91	30
125	30

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
132	30
133	30
52	31
148	31
80	32
134	32
61	33
65	33
137	33
4	34
67	34
80	34
88	34
126	34
137	34
145	34
62	35
64	35
135	35
88	36
134	36
48	37
50	37
67	37
19	38
83	38
147	38
86	39
147	39
131	40
148	40
82	41
148	41
7	42
51	42
83	42
143	43
82	44
126	44
147	44
45	45
140	45
147	46
36	47
52	48
73	48
91	48
114	48
143	49
21	51
61	51
70	51
72	51
21	52

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
62	52
70	52
78	52
145	52
68	53
69	53
139	53
144	53
63	54
105	54
145	54
14	55
108	55
29	56
58	56
122	56
144	56
15	57
29	57
109	57
120	57
121	57
14	58
18	58
49	58
109	58
139	58
141	58
17	59
74	59
80	59
89	59
139	59
143	59
28	60
91	60
96	60
98	60
100	60
107	60
109	60
139	60
143	60
10	61
85	61
87	61
101	61
102	61
80	62
81	62
83	62
107	62
113	62
141	62

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
142	62
143	62
79	63
81	63
84	63
139	63
139	64
25	65
41	65
139	65
44	66
74	66
78	66
127	66
54	67
77	67
123	68
141	68
32	69
138	69
36	71
61	71
74	71
139	71
16	72
17	72
69	72
70	72
138	72
55	73
64	73
106	73
138	73
139	73
65	74
80	74
137	74
138	74
60	76
104	77
136	77
98	78
57	79
70	79
77	79
99	79
30	80
47	80
60	80
88	80
135	80
68	81
71	81
102	81

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
126	81
132	81
52	82
122	82
129	82
133	82
83	83
100	83
132	83
91	84
131	84
133	84
60	85
90	85
111	85
61	86
83	86
84	86
87	86
87	87
89	87
96	87
97	87
53	88
80	88
85	88
87	88
58	89
88	89
91	89
130	89
35	90
113	90
130	90
68	91
79	91
91	91
130	91
82	92
89	92
36	93
89	93
99	93
101	93
102	93
126	93
81	94
89	94
109	94
112	94
67	95
73	95
74	95
85	95

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
96	95
117	95
70	96
72	96
82	96
72	97
83	97
99	97
114	98
77	99
121	99
125	99
66	100
68	100
70	100
55	101
56	102
79	102
56	103
103	103
96	105
106	105
50	106
52	106
54	106
107	107
109	107
118	107
74	108
105	108
106	109
64	110
111	111
92	112
101	112
107	113
77	114
113	114
90	115
96	115
76	116
76	117
112	117
91	118
70	119
91	119
82	121
82	122
85	122
86	122
87	122
76	123
81	123
83	123

ATTACHMENT #5 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
83	124
86	124
87	124
65	125
83	125
86	125
91	125
56	126
67	127
79	127
71	128
85	128
87	128
67	129
67	130
81	130
87	130
80	131

**ATTACHMENT #6 – TUBES PLUGGED TO CAPTURE NON-STABILIZED
PLUGGED TUBE LOCATIONS**

<u>ROW</u>	<u>TUBE</u>
131	26
130	27
129	28
130	29
135	31
136	31
136	32
135	33
140	48
139	49
140	49
140	50
139	52
101	96
102	96
100	97
102	97
100	98
101	98

ATTACHMENT #7 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
5	2
12	2
61	2
139	2
151	2
51	3
18	4
50	4
51	4
41	5
29	5
16	5
6	5
6	6
137	6
2	8
2	9
12	9
98	9
11	10
6	10
151	11
1	12
9	13
28	14
19	15
78	15
118	16
57	16
19	16
59	17
140	17
114	18
11	20
105	20
107	20
11	21
143	24
129	24
15	24
128	25
148	26
12	27
145	27
136	28
14	28
135	30
136	30
125	31
16	31
146	32
145	33
83	33
131	35

ATTACHMENT #7 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
75	37
24	37
77	38
128	38
124	39
28	39
15	41
138	42
52	43
43	44
41	45
91	45
147	45
145	47
38	48
49	48
29	49
146	50
105	53
80	54
81	55
79	55
24	55
91	58
116	61
18	62
77	65
23	65
13	65
12	66
107	66
99	67
62	67
15	67
15	68
15	69
85	70
137	71
15	71
13	71
14	72
17	72
102	74
17	74
15	74
13	74
18	75
47	75
138	75
103	76
95	76
18	77
19	77
111	78

ATTACHMENT #7 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
32	78
17	78
18	79
19	79
127	79
19	80
27	81
127	81
131	81
131	82
48	82
20	83
56	83
99	83
120	85
65	85
61	85
19	85
19	86
83	86
70	87
61	88
50	89
121	90
27	91
22	91
73	93
72	95
26	95
59	96
115	97
90	98
111	98
78	99
74	99
72	99
66	101
93	101
29	102
69	103
98	104
82	104
74	105
85	105
120	105
86	106
85	106
82	106
81	106
80	106
83	107
84	108
66	108
81	109

ATTACHMENT #7 – TUBES PLUGGED FOR EDDY CURRENT INDICATIONS

<u>ROW</u>	<u>TUBE</u>
86	109
115	110
81	110
40	110
42	112
43	112
68	113
47	114
107	118
60	118
88	122
97	122
88	123
56	123
61	124
89	124
83	125
75	126
85	126
84	127
66	127
64	127
84	128
83	129
82	129
81	129
72	129
58	129
80	130
85	130
68	131
66	131

**ATTACHMENT #8 – TUBES PLUGGED TO CAPTURE NON-STABILIZED
PLUGGED TUBE LOCATIONS.**

<u>ROW</u>	<u>TUBE</u>
94	2
106	21
107	21
105	22
107	22
117	107
117	108
115	112
116	112

Attachment #9 – TUBES REROLLED

<u>ROW</u>	<u>TUBE</u>
38	2
151	5
94	7
64	11
142	21
150	27
84	30
99	33
48	37
120	45
114	49
74	52
94	55
128	61
129	61
131	61
129	66
96	72
28	74
98	78
79	124
53	125

Total Data Items Found = 22
Total Tubes Found = 22

Attachment #10 – TUBES REROLLED

<u>ROW</u>	<u>TUBE</u>
6	1
16	16
83	23
46	24
59	25
62	30
101	32
48	38
55	48
87	57
95	58
35	59
101	63
92	64
88	69
95	76
69	81
64	105
36	107
62	107
106	110
99	113
80	119
47	122
78	123
81	124
95	127
80	128

Total Data Items Found = 28

Total Tubes Found = 28

ENCLOSURE B

SUPPLEMENTAL INSPECTION ASSESSMENT

The following summarizes the Once-Through Steam Generator (OTSG) Eddy Current Testing (ECT) inspection scope during the Oconee Unit 3 EOC 20 Refueling Outage:

Bobbin Coil (0.510 dia. MF)	100% A-OTSG 100% B-OTSG
Lane and Wedge: (0.460 dia. Plus-point)	Two Rows Around Sleeved Tubes A and B OTSG
MRPC Upper Tubesheet Roll (0.460 dia. Plus-point)	100% A-OTSG 100% B-OTSG
MRPC Re-rolls Upper Tubesheet (0.460 dia. Plus-point)	100% A-OTSG 100% B-OTSG
MRPC Lower Tubesheet Roll (0.460 dia. Plus-point)	100% Original Re-expansion
Bobbin Sleeve Exam (0.410 dia.)	100% Sleeves A-OTSG 100% Sleeves B-OTSG
Sleeve Upper and Lower Rolls (0.400 dia Plus-point)	100% Sleeve Rolls A-OTSG 100% Sleeve Rolls B-OTSG
Kidney Region (Sludge Pile) (0.460 dia. Plus-point)	100% A-OTSG 100% B-OTSG The inspection covers at least 12 inches into the tubesheet
RPC Special Interest (0.460 dia. Plus-point)	
1)	100% Bobbin indications regardless of location
2)	100% Dents

The primary to secondary leak rate was less than 0.4 gpd at shutdown.

Disposition of the above inspection data identified 618 tubes (415 in the A-OTSG and 203 in the B-OTSG) which required removal from service. Active damage mechanisms identified during this inspection include Intergranular Stress Corrosion Cracking (IGSCC), Intergranular Attack (IGA), impingement, wear, and upper tubesheet roll Primary Water SCC (PWSCC). Tubes were removed from service by installing alloy-690 rolled plugs.

In-situ testing was performed to confirm structural and leakage integrity at the end of the current operating cycle. The tubes were selected consistent with EPRI guidelines. The indications were sized and compared to the condition monitoring structural limit that considers the uncertainties associated with material properties, non-destructive examination (NDE), and the burst correlation. All tubes that exceed the limit were in-situ pressure tested. The screening includes voltage, depth, length, circumferential extent measurements as well as review of the indication eddy current signal, past tube pull results, and past experience with in-situ testing at the Oconee units. As a result of this screening, 13 tubes with axial indications were in-situ pressure tested and no leakage was observed. Hence, structural and leakage integrity was demonstrated.

The observed degradation was analyzed consistent with NEI 97-06 and EPRI guidelines to justify full cycle operation. All inputs were considered at 95th percentile bounding values. The projected deterministic worst-case end of cycle structural and leakage integrity margins satisfy the criteria in NEI 97-06 and full cycle operation is warranted.

IGSCC

The limiting degradation of concern is axial IGSCC in the freespan. A total of 430 tubes were removed from service due to axially oriented freespan IGSCC. Based on previous tube pull examination, these indications are associated with grooves on the OD surface of the tubes. These indications are removed from service on detection.

All of these tubes provided adequate margin against rupture. This determination is based on previous tube pull data, structural calculations, and in-situ pressure tests.

Extensive growth rate studies have been performed for past inspections at Oconee with similar results. The Oconee Unit 3 EOC 20 analysis indicates a best estimate upper 95th percentile growth rate of 16.64% Through Wall (TW) per EFPY. Assuming a flaw is 40% TW at the Beginning of Cycle (BOC), a growth rate of 16.64% TW per EFPY for the next cycle, and at the 95th percentile flaw length of 1.0 inches, full cycle operation is justified. The predicted burst pressure of the assumed flaw at the end of the next cycle is above three times normal operating differential pressure considering uncertainties in the material properties and the burst pressure relationship.

Wear

No tubes were removed from service due to wear. Tubes with wear indications would be removed from service based on sizing with a rotating coil. The plugging limit is $\geq 40\%$ TW. Using the analysis described above and including sizing uncertainties, the predicted burst pressure of the assumed flaw at the end of the next cycle is above three times normal operating differential pressure (assuming 61% TW, 1.5 inches long, and less than 135° circumferential extent).

IGA

A total of 54 tubes were removed from service due to IGA. These indications are volumetric in nature with limited circumferential extent. The Plus-point probe was used in the sludge pile region of the lower tubesheet to provide enhanced detection versus the bobbin probe. The circumferential extent of IGA is typically below 70 degrees.

Tubes with IGA indications were removed from service based on detection by Plus-point.

Based on the structural limit and the limited circumferential extent of IGA, all of these tubes provided adequate margin against rupture. The conclusion is supported by tube pull data, analysis, and in-situ pressure testing with no observed leakage. The growth rate of volumetric IGA is extremely low. Assuming an initial flaw size of 25% TW, full cycle operation is justified based on the wear analysis described above that is bounding.

Impingement

A total of 28 tubes were removed from service due to impingement. Impingement indications are volumetric in nature with limited axial and circumferential extent similar to IGA. Based on the broached opening width, the maximum possible circumferential extent is estimated to be 98 degrees. The structural limits are equivalent to IGA or wear.

These tubes provided adequate margin against rupture. This determination is based on previous tube pull data, analysis, in-situ test data, and eddy current sizing abilities. Typically, the maximum observed depth is 60% TW. The average growth rate of impingement is approximately 10% TW per cycle. Previous pulled tube specimens at 60% TW burst at greater than 9000 psi, which is typical for impingement defects. Analysis of impingement is bounded by IGA and wear. Therefore, full cycle operation is justified.

Tubes with impingement were removed from service based on bobbin sizing ($\geq 40\%$ TW). Additionally, impingement defects $\leq 40\%$ TW are removed from service preventatively based on previous data and defect location.

Sleeve Indications

No tubes were removed from service due to indications in the sleeve roll. The sleeves contain three rolls. Roll one is at the upper tubesheet primary face and rolls two and three are in the freespan on the opposite end of the sleeve below the 15th TSP.

Tubes with degradation in the sleeves are removed from service.

Dents

A total of two tubes with indications in dents were removed from service. All of these tubes provided adequate margin against rupture. The indications were bounded by the IGSCC analysis. This conclusion is supported by analysis and in-situ pressure testing with no observed leakage. Therefore, full cycle operation is justified.

Tubes with indications in dents were removed from service based on detection with a Plus-point probe.

Miscellaneous

A total of 27 tubes were preventatively removed from service due to miscellaneous reasons. These are typically obstructed tubes, permeability, volumetric indications near the lane and wedge region, dent/manufacture burnish mark combinations, or other ambiguous eddy current indications that may mask degradation.

Upper Roll PWSCC

A total of 93 tubes were identified with indications of PWSCC in the upper tubesheet roll area. Forty-six tubes were repaired by installing a new roll in the upper tubesheet. Forty-seven tubes were removed from service due to indications in previously installed rerolls. Tubes are repaired based on Plus-point detection.

All of these indications are captured in the tubesheet. The indications will not burst due to tubesheet constraint and do not present a structural concern. Laboratory helium leak tests did not identify leakage in tubes pulled in the past from Oconee Unit 1 and Oconee Unit 3. During a previous Oconee Unit 1 outage, in-situ pressure testing was performed on twelve tubes representing the deepest degradation: No tube leakage was identified.

LBLOCA Evaluation

The as-found condition of the steam generators was evaluated to determine the best estimate primary to secondary leakage following a LBLOCA as described in Appendix A to BAW-2374¹. For the purpose of this evaluation, volumetric indications were conservatively analyzed as circumferential indications with the maximum depth applied to the full circumferential extent of the indication. Circumferential indications were also considered in this analysis. The best estimate primary to secondary leakage is 3.0 gpm. This estimated leakage would maintain offsite dose well below the limits of 10 CFR 100.

¹ Framatome Technologies Inc. Topical Report, BAW-2374, "Justification for Not Including Postulated Breaks in Large-Bore Reactor Coolant Piping in the Licensing Basis for Existing and Replacement Once-Through Steam Generators," July 2000.

ENCLOSURE C

**UNIT 3 END OF CYCLE 20
STEAM GENERATOR INSERVICE INSPECTION
SUMMARY REPORT**

Steam Generator Outage Summary Report

Oconee Unit 3 2003 EOC 20 Refueling Outage

Location: 7800 Rochester Highway, Seneca, South Carolina 29672

NRC Docket No. 50-287

National Board No. N/A

Commercial Service Date: December 16, 1974

Owner: Duke Energy Corporation
526 South Church St.
Charlotte, N.C. 28201-1006

Revision 0

Prepared By: James H. Patton Date: 6/19/03

Reviewed By: DB Mays Date: 6/19/03

Approved By: Wm Sample Date: 6/19/03

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Uncontrolled Distribution

2

Hartford Steam Boiler
Inspection and Insurance
Corporation (AIA)

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

1. Owner: Duke Energy Corporation, 526 S. Church St. Charlotte, NC 28201-1006
(Name and Address of Owner)

2. Plant: Oconee Nuclear Station, 7800 Rochester Highway, Seneca, SC 29672
(Name and Address of Plant)

3. Plant Unit: 3

4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date: December 16, 1974

6. National Board Number for Unit N/A

7. Components Inspected:

<u>Component</u>	<u>Manufacturer</u>	<u>Manufacturer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Steam Generator A	Babcock & Wilcox	620-0009-55-1	N/A	N-127
Steam Generator B	Babcock & Wilcox	620-0009-55-2	N/A	N-128

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8¹/₂ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates: December 15, 2001 TO June 16, 2003
9. Inspection Period Identification: Third Period (1st outage of third period)
10. Inspection Interval Identification: Third Interval
11. Applicable Edition of Section XI: 1989 Addenda None
12. Date/Revision of Inspection Plan: Tech Spec 5.5.10 Steam Generator Tube Surveillance Program, through 4/30/03 Tech. Spec. Revision
13. Abstract of Examinations and Test. Reference attached Steam Generator In-service Inspection Summary Report.
14. Abstract of Results of Examination and Tests. Reference attached Steam Generator In-service Inspection Summary Report.
15. Abstract of Corrective Measures. Reference attached Steam Generator In-service Inspection Summary Report.

We certify that a) the statements made in this report are correct b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date June 19 20 03 Signed Duke Energy Corp.
Owner

By W. J. Young Sample

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of South Carolina employed by *The HSB CT have inspected the components described in this Owner's Report during the period 12-15-01 to 8-7-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

C. J. Smith
Inspector's Signature

Commissions GA 360, NIC
National Board, State, Province, and Endorsements

Date 8-7- 2003

* The Hartford Steam Boiler of Connecticut
200 Ashford Center North
Suite 300
Atlanta, GA. 30338

**Attachment to Form NIS-1
Steam Generator In-service Inspection Summary Report**

**Oconee Nuclear Station Unit 3 – 2003
Outage EOC-20**

Steam Generator Tubing Surveillance

1.0 Introduction

Eddy current examinations were performed on the 0.625" OD x 0.037" wall Inconel 600 tubing and the sleeved portion of the tubes in steam generators "A" and "B" at the Oconee Nuclear Station Unit 3 during the May 2003 refueling outage ONS 3 EOC 20.

This report is a summary of the eddy current results.

2.0 Technical Summary

This section provides a technical summary of the eddy current examinations performed at Duke Energy's, Oconee Nuclear Station, Unit 3 EOC 20.

The Inconel 600 tubing in the two Babcock and Wilcox once through steam generators (OTSG's) "A" and "B" were examined by various eddy current techniques. The tubing in the generators measures 0.625 inch nominal outside diameter with a 0.037 inch nominal wall thickness. Personnel from Framatome ANP (FANP) performed the examinations during the 20th refueling outage.

A magnetic-bias bobbin coil examination was performed on 14,294 tubes in steam generator "A" and 14,716 tubes in steam generator "B". All in-service sleeves were examined with a bobbin coil probe. A single coil "plus-point" motorized rotating coil MRPC[®] probe was used to examine sleeve upper and lower rolls. All I-600 and I-690 plugs were visually examined during this refueling outage. Also, all I-600 plugs were examined with a 0.115 pancake MRPC[®] probe. Special Interest locations, upper tubesheet rolls and lower tubesheets were examined with two-coil plus point / 0.115 pancake MRPC[®] probe.

There were no tubes de-plugged in OTSG "A" and one in OTSG "B C/L". This tube was not examined with eddy current after unplugging.

2.1 Summary

The following summarizes the results of eddy current examinations for each steam generator. **Note:** Attachment 1 contains a list of all three-letter codes and acronyms used throughout this report.

OTSG A:

- Eddy current examinations began on 5/5/03 @ 2200 and were completed on 5/17/03 @ 2130.
- 22 tubes were repaired using FANP "Re-rolling" process.
- 415 tubes were removed from service by plugging.
- 14,294 tubes were examined with a bobbin coil probe.
- 4 tubes were reported to have indications of 40% TW or greater with the bobbin coil probe examination.
- 11 tubes were reported to have indications of 20-39% TW with the bobbin coil probe examination.
- 268 sleeves were examined with a bobbin coil probe.
- 268 sleeves were examined with the plus point coil MRPC® probe at the upper and lower rolls.
- 222 tubes in the lane/wedge region were examined at the 015 TSP and UTS intersections with a 2-coil MRPC® probe.
- 14,026 HLRT were examined with the 2-coil MRPC® probe.
- 2,070 LTS were examined with the 2-coil MRPC® probe.
- 2,712 tubes were examined for SI using the 2-coil MRPC® probe.
- 22 Re-rolls were examined for SI using the 2-coil MRPC® probe.

OTSG B:

- Eddy current examinations began on 5/6/03 @ 0100 and were completed on 5/16/03 @ 0300.
- 28 tubes were repaired using FANP "Re-rolling" process.
- 203 tubes were removed from service by plugging.
- 14,716 tubes were examined with a bobbin coil probe.
- 1 tube was reported to have in indication of 40% TW or greater with the — bobbin coil probe examination.
- 5 tubes were reported to have indications of 20-39% TW with the bobbin coil probe examination.
- 241 sleeves were examined with a bobbin coil probe.
- 241 sleeves were examined with the plus-point coil MRPC® probe at the upper and lower rolls.

- 212 tubes in the lane/wedge region were examined at the 015 TSP and UTS intersections with the plus point 2-coil MRPC[®] probe.
- 14,475 HLRT were examined with the 2-coil MRPC[®] probe.
- 2,132 LTS were examined with the 2-coil MRPC[®] probe.
- 1,773 tubes were examined for SI using the 2-coil MRPC[®] probe.
- 28 Re-rolls were examined for SI using the 2-coil MRPC[®] probe.

2.2 Examinations

The examination, analysis, equipment and personnel were in compliance with the requirements of the FANP Multi-Frequency Eddy Current Examination of Tubing (ISI-400), Written Practice for Personnel Qualification in Eddy Current Examination (ISI-24), Eddy Current Acquisition Guidelines for Duke Power Company's Once-Through Steam Generators and Eddy Current Analysis Guidelines for Duke Power Company's Once-Through Steam Generators for ONS-3 EOC-20 outage.

The steam generator tubing examinations were performed by technicians qualified to Level II, or Level I under direct supervision of personnel qualified to Level II in accordance with FANP procedure ISI-24. The data was evaluated by personnel qualified to a minimum of Level IIA in accordance with FANP procedure ISI-24. The examination and evaluation procedures used during the eddy current examinations were approved by personnel qualified to Level III in accordance with FANP procedure ISI-24.

All inspection frequencies were generated using a Zetec MIZ[®]-30 remote data acquisition unit.

The bobbin coil examinations were performed with 0.510 inch, 0.500 inch, and 0.480 inch diameter probes. The inspection frequencies used were 600, 400, 200 and 35 kHz operating in both differential and absolute modes. A 400/200 kHz differential tube support plate suppression mix was used to enhance the detection of indications occurring at TSP intersections.

The sleeve examinations were performed with a 0.400 inch diameter bobbin coil probe. The inspection frequencies used were 400, 250, 150 and 75 kHz operating in the differential and absolute mode. A 400/150 kHz differential tube support plate suppression mix was used to enhance the detection of indications occurring at TSP intersections.

Sleeve roll expansions were inspected using a 0.400 inch diameter plus-point coil MRPC[®] probe. The inspection frequencies used were 200, 120, 75 and 50 kHz operating in the differential mode.

The lane & wedge and special interest examinations were performed with 0.460 and 0.520 inch diameter 2-coil MRPC® probes. The inspection frequencies used were 300, 200, 100 and 15 kHz. A 300/100 kHz TSP suppression mix on the pancake coil was used to enhance the detection of indications occurring at TSP intersections.

Official results of the data analysis were recorded on optical disks and verified by two Eddy Current Data Management systems, Framatome Data Management System, (FDMS) and EddyNet® Inspection Management System, (EIMS). These systems are used to check the data for invalid analysis entries, perform data sorting routines, ensure all the proper tubes were examined and to printout final data sheets.

2.3 Areas of Concern

In OTSG's, certain modes of degradation have been identified in specific regions of the generator.

Eddy current examinations cannot, in all cases, determine the actual cause of damage. The signal recorded during the eddy current examination can be used to estimate the physical size of any tube damage detected (i.e., penetration into the wall, axial extent), however, the actual type of degradation and its cause can only be determined by tube removal and metallurgical studies.

- a) Impingement Erosion – An erosion/corrosion type of discontinuity occurring from the flow of secondary side water with contaminants or debris entrapped in the secondary side fluid stream.
- b) High Cycle Fatigue - OD circumferential cracking normally occurring in the vicinity of the 15th TSP or upper tubesheet secondary face UTS in the open lane & wedge region. The initiating mechanism for high-cycle fatigue is believed to be a combination of surface damage from corrosion, fretting and high crossflow velocities.
- c) Wear - Wear fretting occurs at TSP intersections in tubes near the periphery or outermost rows in the generator. This damage mechanism is caused by flow-induced mechanical vibrations, which are influenced by design parameters, environmental and operating conditions.
- d) Inter-granular Stress Corrosion Cracking (IGSCC) – Tube pull results have confirmed the presence of axially oriented inter-granular stress corrosion cracking. IGSCC has been primarily confirmed at locations from the 007TSP and higher. This problem is not associated with a particular region of the steam generator. Indications are characterized as axial and may display a multiple intermittent response over several inches. IGSCC has been confirmed in the sludge pile on the lower tubesheet and noted at the upper tubesheet and dented TSP locations.

- e) Inside Diameter Inter-granular Attack (ID IGA) – Numerous indications indicative of ID IGA have been reported in the upper tubesheet of Oconee Unit 1, SG B. This mechanism is not believed to be active and is believed to have been initiated as a result of the manufacturing process and unique to SG B of Unit 1.
- f) Primary Water Stress Corrosion Cracking (PWSCC) – PWSCC has been confirmed through tube pulls in the upper tube end (Hot Leg) roll expansion. Indications are generally axially oriented and located in the transition or the expanded region. Plugs and sleeves are also susceptible to this type of damage mechanism.
- g) Inter-granular Attack (IGA) – OD initiated IGA has been detected at the upper spans and within the upper tubesheet crevice, lower tubesheet crevice and first span pit-like IGA.

2.4 Results

A number of indications within both generators were given a non-quantifiable (NQI) code in the percent through-wall column. This code was used during the bobbin examinations for indications where an accurate depth determination could not be made.

Additionally, a number of indications within both generators were reported as an Absolute Drift Indication (ADI) in the percent through-wall column. These are indications of degradation that could not be accurately quantified on differential channels.

2.5 OTSG A and B results:

Attachment 2 details the results of the various eddy current examinations performed in OTSG A and OTSG B. A total of 415 tubes were removed from service in OTSG “A” and 203 tubes in OTSG “B”. This total does not include the tube that was de-plugged in OTSG B lower channel head. These tubes were removed from service based on the results of the following eddy current examinations. Refer to Data Management Report for results and specific tube numbers for tubes plugged during the outage.

Attachment 1
DESCRIPTION of ACRONYMS

<u>CODE</u>	<u>DESCRIPTION</u>
ADI	Absolute Drift Indication
AXI	Axial Indication
BLG	Bulge
CHT	Chatter
FANP	Framatome ANP
DNT	Dent
DRS	Distorted Roll Signal
DWI	Dent With Indication
HLRT	Hot Leg Roll Transition
IDI	Inside Diameter Indication
LTP	Lower Tubesheet Primary face
LTS	Lower Tubesheet Secondary face
MAI	Multiple Axial Indication
MCI	Multiple Circumferential Indication
MMI	Mix Mode Indication
MVI	Multiple Volumetric Indication
MRPC	Motorized Rotating Pancake Coil
NDD	No Degradation Detected
NQI	Non-Quantifiable Indication
OD	Outside Diameter
ODI	Outside Diameter Indication
OTSG	Once-Through Steam Generator
PLP	Possible Loose Part
PVN	Permeability
PWSCC	Primary Water Stress-Corrosion Cracking
QA	Quality Assurance
RBD	Retest - Bad Data
RIC	Retest - Incomplete
RNC	Retest - Number Check
SAI	Single Axial Indication
SCI	Single Circumferential Indication
SI	Special Interest
SVI	Single Volumetric Indication
TEA	Tube End Anomalies
TSP	Tube Support Plate
TW	Through Wall
TWD	Through Wall Depth
UTP	Upper Tubesheet Primary face
UTS	Upper Tubesheet Secondary face
VOL	Volumetric indication

Attachment 2
ONS 3 EOC 20 OTSG A and B Eddy Current Results.

Bobbin Examinations

	Steam Generator "A" Tubes Tested: 14,294		Steam Generator "B" Tubes Tested: 14,716	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
TWD > 40%	4	4	1	1
TWD 20-39%	11	11	5	5
TWD < 20%	6	6	7	7
ADI	30	33	28	37
NQI	2184	3217	1563	2006
DWI	9	11	5	5
BLG	2	2	16	33

Bobbin Examinations on de-plugged tubes

	Steam Generator "A" Tubes Tested: 0		Steam Generator "B" Tubes Tested: 0, 1 plug removed, no ECT	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
TWD > 40%	N/A	N/A	0	0
TWD 20-39%	N/A	N/A	0	0
TWD < 20%	N/A	N/A	0	0
ADI	N/A	N/A	0	0
NQI	N/A	N/A	0	0
DWI	N/A	N/A	0	0
BLG	N/A	N/A	0	0
DNT	N/A	N/A	0	0

Lane and Wedge Examinations

	Steam Generator "A" Tubes Tested: 222		Steam Generator "B" Tubes Tested: 212	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
Wear	4	4	0	0
VOL	0	0	0	0
NQI	0	0	0	0
SAI	0	0	0	0
MAI	0	0	0	0
SCI	0	0	0	0
MCI	0	0	0	0
MMI	0	0	0	0
SVI	1	1	0	0
DNT	0	0	0	0
MVI	0	0	0	0
PLP	1	1	0	0

Sleeve Roll Examinations

	Steam Generator "A" Tubes Tested: 268		Steam Generator "B" Tubes Tested: 241	
	Sleeves With Indications	Number of Indications	Sleeves With Indications	Number of Indications
DRS	66	74	43	44
VOL	0	0	3	3
NQI	0	0	0	0
SAI	1	1	0	0
MAI	0	0	0	0
SCI	0	0	0	0
MCI	0	0	0	0
MMI	0	0	0	0
SVI	0	0	0	0
MVI	0	0	0	0
PVN	1	1	2	2

UTS Roll Examinations

	Steam Generator "A" Tubes Tested: 14,026		Steam Generator "B" Tubes Tested: 14,475	
	Rolls With Indications	Number of Indications	Rolls With Indications	Number of Indications
VOL	3	3	15	15
NQI	0	0	0	0
SAI	15	15	31	31
MAI	17	17	20	20
SCI	1	1	4	4
MCI	0	0	0	0
MMI	0	0	0	0
SVI	2	2	3	4
MVI	0	0	0	0
PVN	0	0	0	0
TEA	258	258	222	227

UTS Re-Roll Examinations (re-rolls performed during this RFO)

	Steam Generator "A" Tubes Re-Rolled: 22		Steam Generator "B" Tubes Re-Rolled: 28	
	Re-Rolls With Indications	Number of Indications	Re-Rolls With Indications	Number of Indications
VOL	1	1	1	1
NQI	0	0	0	0
SAI	0	0	0	0
MAI	0	0	0	0
SCI	0	0	0	0
MCI	0	0	0	0
MMI	0	0	0	0
SVI	0	0	0	0
MVI	0	0	0	0
PVN	0	0	1	1

Special Interest Examinations

	Steam Generator "A" Tubes Tested: 2,712 Locations Tested: 3,986		Steam Generator "B" Tubes Tested: 1,773 Locations Tested: 2,392	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
Wear > 40%	0	0	0	0
Wear 20-39%	18	19	9	10
Wear < 20%	350	397	272	291
VOL	508	562	490	588
SAI	308	1118	82	156
MAI	24	68	3	5
SCI	1	1	1	1
MCI	0	0	0	0
MMI	0	0	0	0
SVI	19	19	11	12
MVI	0	0	0	0
DNT	145	182	109	145
PLP	5	7	4	4

Special Interest Examinations, de-plugged tubes

	Steam Generator "A" Tubes Tested: 0		Steam Generator "B" Tubes Tested: 0	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
Wear > 40%	N/A	N/A	N/A	N/A
Wear 20-39%	N/A	N/A	N/A	N/A
Wear < 20%	N/A	N/A	N/A	N/A
VOL	N/A	N/A	N/A	N/A
SAI	N/A	N/A	N/A	N/A
MAI	N/A	N/A	N/A	N/A
SCI	N/A	N/A	N/A	N/A
MCI	N/A	N/A	N/A	N/A
MMI	N/A	N/A	N/A	N/A
SVI	N/A	N/A	N/A	N/A
MVI	N/A	N/A	N/A	N/A
DNT	N/A	N/A	N/A	N/A

Lower Tubesheet Kidney Region Examinations

	Steam Generator "A" Tubes Tested: 2,070		Steam Generator "B" Tubes Tested: 2,132	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
VOL	1	1	2	2
NQI	0	0	0	0
SAI	0	0	3	3
MAI	0	0	0	0
SCI	0	0	0	0
MCI	0	0	0	0
MMI	0	0	0	0
SVI	0	0	0	0
MVI	0	0	0	0
PLP	0	0	0	0

Lower Tubesheet Re-Roll Examinations

	Steam Generator "A" Re-Rolls Tested: 0		Steam Generator "B" Re-Rolls Tested: 0	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
VOL	N/A	N/A	N/A	N/A
NQI	N/A	N/A	N/A	N/A
SAI	N/A	N/A	N/A	N/A
MAI	N/A	N/A	N/A	N/A
SCI	N/A	N/A	N/A	N/A
MCI	N/A	N/A	N/A	N/A
MMI	N/A	N/A	N/A	N/A
SVI	N/A	N/A	N/A	N/A
MVI	N/A	N/A	N/A	N/A

Thimble Plug Examinations

	Steam Generator "A" Tested: 29		Steam Generator "B" Tested: 0	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
VOL	0	0	N/A	N/A
NQI	0	0	N/A	N/A
SAI	0	0	N/A	N/A
MAI	0	0	N/A	N/A
SCI	0	0	N/A	N/A
MCI	0	0	N/A	N/A
MMI	0	0	N/A	N/A
SVI	0	0	N/A	N/A
MVI	0	0	N/A	N/A

H/L Plug RPC

	Steam Generator "A" Tested: 15		Steam Generator "B" Tested: 11	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
VOL	0	0	0	0
NQI	0	0	0	0
SAI	0	0	0	0
MAI	0	0	0	0
SCI	0	0	0	0
MCI	0	0	0	0
MMI	0	0	0	0
SVI	0	0	0	0
MVI	0	0	0	0

C/L Plug RPC

	Steam Generator "A" Tested: 66		Steam Generator "B" Tested: 44	
	Tubes With Indications	Number of Indications	Tubes With Indications	Number of Indications
VOL	0	0	0	0
NQI	0	0	0	0
SAI	0	0	0	0
MAI	0	0	1	1
SCI	0	0	0	0
MCI	0	0	0	0
MMI	0	0	0	0
SVI	0	0	0	0
MVI	0	0	0	0