

**ANEXO 7**  
**NIVELES DE CORTOCIRCUITO 2009-2012**

**AÑO 2009**

X-----	BUS	-----X	THREE PHASE FAULT		ONE PHASE FAULT	
			/I+/ AMPS	AN(I+)	/IA/ AMPS	AN(IA)
1	[PAN230	230.00]	7127.6	-82.04	8528.3	-85.11
2	[PAN115	115.00]	13519.8	-82.36	17658.3	-84.88
3	[PANII230	230.00]	6993.8	-82.16	7654.6	-84.83
4	[PANIII115	115.00]	9673.0	-85.91	9951.1	-89.39
5	[CHO230	230.00]	6086.2	-82.69	6462.8	-84.73
6	[CHO115	115.00]	4764.8	-91.32	5615.9	-92.86
7	[CHO34	34.500]	7629.2	-94.51	2239.7	-102.98
8	[LSA230	230.00]	5850.0	-79.80	5622.1	-80.25
9	[LSA115	115.00]	6013.2	-85.41	6727.1	-85.83
10	[L.S.34	34.500]	6735.4	-92.68	2187.9	-95.45
11	[M.N230	230.00]	7011.4	-75.64	6635.1	-75.52
12	[M.N115	115.00]	8104.5	-78.27	8879.7	-78.02
13	[MDNA34	34.500]	11280.4	-80.31	2407.7	-86.08
14	[PRO230	230.00]	4486.1	-75.21	3808.4	-76.69
15	[PRO115	115.00]	4157.6	-80.79	4690.5	-81.35
16	[PRO34	34.500]	7006.7	-83.22	4252.1	-85.67
18	[CAC115	115.00]	13377.5	-82.48	16821.2	-84.99
19	[C.V115	115.00]	8902.2	-84.88	7205.9	-87.39
20	[CH.AZUL	115.00]	2225.6	-78.01	1733.3	-75.96
21	[C.BAN115	115.00]	11555.1	-82.40	11265.5	-85.49
23	[CH115	115.00]	6721.7	-86.54	4776.5	-87.42
26	[LOC115	115.00]	11941.9	-82.18	13012.7	-84.96
30	[MAR115	115.00]	10550.3	-82.54	9593.6	-84.77
33	[STM115	115.00]	11976.8	-82.62	13504.6	-84.93
37	[SAN115	115.00]	10915.1	-82.89	9220.9	-86.24
48	[TINAJ115	115.00]	10001.1	-84.18	8338.3	-86.67
50	[M.O115	115.00]	10687.0	-83.80	9664.4	-86.48
52	[TOC115	115.00]	7628.9	-86.54	5904.5	-88.06
54	[LM1115	115.00]	11101.5	-88.74	13671.7	-89.44
55	[LM2115	115.00]	11190.5	-89.12	13729.5	-89.48
66	[BLM13B	13.800]	32029.3	-96.20	24311.4	-96.74
67	[BLM13C	13.800]	33507.6	-96.24	33282.5	-96.60
68	[BLM13D	13.800]	34170.1	-96.35	33716.7	-96.74
69	[TGJB13.8	13.800]	20263.3	-98.42	0.0	0.00
70	[TGJB13A	13.800]	16014.2	-98.95	0.0	0.00
71	[TGJB13B	13.800]	16014.2	-98.95	0.0	0.00
72	[BLMCCA	13.800]	16014.2	-98.95	0.0	0.00
73	[BLMCCB	13.800]	16014.2	-98.95	0.0	0.00
85	[PTP230	230.00]	4970.6	-74.33	4689.8	-58.81
86	[CC13.8	13.800]	20263.3	-98.42	0.0	0.00
87	[CAL115	115.00]	6344.5	-76.27	8235.1	-75.54
88	[EST115	115.00]	5530.5	-75.42	7654.4	-75.69
89	[EST.13	13.800]	44036.1	-75.92	27691.2	-78.57
90	[EST-13L	13.800]	20280.9	-75.91	21253.5	-76.12
91	[EST-13T	13.800]	20280.9	-75.91	21253.5	-76.12
92	[L.V115	115.00]	6032.9	-75.92	8307.0	-76.16
93	[L.V.13	13.800]	47295.4	-76.41	28498.3	-79.01
94	[LV-13.8L	13.800]	20501.3	-75.89	21414.3	-76.09
95	[LV-13.8T	13.800]	20501.3	-75.89	21414.3	-76.09
96	[FOR230	230.00]	7601.2	-75.81	8279.6	-77.02
97	[FOR13A	13.800]	56945.4	-76.27	50414.3	-76.73
98	[FOR13B	13.800]	56945.4	-76.27	50414.3	-76.73
99	[FOR13C	13.800]	56945.4	-76.27	50414.3	-76.73
100	[BAY230	230.00]	5033.6	-84.06	5523.4	-86.68
101	[BAY13A	13.800]	36383.8	-87.58	31658.2	-88.61
102	[BAY13B	13.800]	36383.8	-87.61	31658.2	-88.64
103	[COPESA23	230.00]	5890.3	-83.13	5338.4	-85.13
104	[COPESA13	13.800]	19292.8	-95.95	0.0	0.00
105	[PAN-AM23	230.00]	6049.0	-82.77	6402.6	-84.82
106	[PANAM13A	13.800]	30306.3	-91.16	25843.0	-91.75
107	[PANAM13B	13.800]	30306.3	-91.16	25843.0	-91.75
108	[BAY13C	13.800]	36902.5	-87.64	35199.3	-88.52
109	[STA RITA115	115.00]	9953.2	-88.57	11232.5	-89.48
112	[TGP13.8	13.800]	80412.7	-88.66	0.0	0.00
113	[TGP13A	13.800]	19582.8	-99.27	0.0	0.00
114	[TGP13B	13.800]	19582.8	-99.27	0.0	0.00
115	[PACORA23	230.00]	5526.4	-83.68	5549.2	-85.84
116	[PACORA13	13.800]	26358.8	-92.80	22291.4	-94.32
142	[CANJ13A	13.800]	15901.0	-63.51	13001.1	-63.60
143	[CANJ13B	13.800]	15901.0	-63.51	13001.1	-63.60
144	[CANJ230	230.00]	6119.2	-76.41	5652.1	-75.88
147	[GUASQ230	230.00]	6362.6	-76.44	5975.1	-76.02
148	[VELADERO	230230.00]	6545.0	-77.53	5491.8	-76.57
154	[CEMPAN15	115.00]	7678.2	-88.30	7613.9	-90.50
160	[GEEHAN13.8	13.800]	4909.3	-94.62	5199.1	-96.73
190	[CHANG230	230.00]	3233.8	-74.62	2383.7	-71.78
191	[CHANG115	115.00]	2415.2	-80.58	2638.4	-80.02
192	[CHANG34	34.500]	3749.8	-82.52	2164.7	-85.32
301	[CONC13.8	13.800]	22730.8	-82.09	8748.4	-85.51

302	[PASOANCH13.813.800]	AMPS	20973.1	-82.20	1878.4	-86.58
511	[LGUIAS230 230.00]	AMPS	3883.9	-82.10	3584.0	-83.69
512	[LGUIAS 34.5 34.500]	AMPS	5515.5	-92.72	0.0	0.00
521	[EGIRAL13.8 113.800]	AMPS	12110.5	-95.89	9245.2	-96.40
522	[TCATIVÁ 115 115.00]	AMPS	11171.7	-89.04	13766.3	-89.84
523	[TCATIVÁ 13A 13.800]	AMPS	35588.8	-95.37	26233.4	-96.23
524	[TCATIVÁ 13B 13.800]	AMPS	35948.3	-95.41	26498.4	-96.27
525	[TCOLON 13A 13.800]	AMPS	15819.7	-98.88	0.0	0.00
526	[TCOLON 13B 13.800]	AMPS	15819.7	-98.88	0.0	0.00
527	[TCOLON 13C 13.800]	AMPS	15819.7	-98.88	0.0	0.00
531	[EGIRAL13.8 213.800]	AMPS	25743.6	-94.78	35338.4	-95.47
6000	[FRONTER 230.00]	AMPS	4462.1	-75.24	3484.4	-75.90

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PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E                   THU, NOV 27 2008 9:48  
ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008                   SHORT CIRCUIT  
AÑO 2009 ESC MOD DEM MAX INV   FAULT CURRENTS  
OUTPUT FOR AREA 7 [ACANAL                   ]

X-----	BUS	-----X	THREE PHASE FAULT		ONE PHASE FAULT		
			/I+/ AN(I+)	/IA/ AN(IA)			
123	[MIR115	115.00]	AMPS	9984.3	-84.59	10560.2	-87.01
124	[MIR44	44.000]	AMPS	14559.6	-90.14	18179.5	-90.59
126	[MIR13A	12.000]	AMPS	9049.9	-94.81	0.0	0.00
127	[MIR13B	12.000]	AMPS	9049.9	-94.81	0.0	0.00
128	[MIR13C	12.000]	AMPS	10337.9	-88.17	0.0	0.00
129	[MIR13D	13.800]	AMPS	23602.2	-86.43	26845.5	-87.54
130	[MIR13F	13.800]	AMPS	21001.0	-92.44	19782.0	-92.93
131	[BAL44	44.000]	AMPS	8519.0	-87.41	7216.6	-86.12
132	[SUM44	44.000]	AMPS	7434.3	-83.89	7792.6	-84.15
133	[MAD44	44.000]	AMPS	3153.9	-81.10	4000.7	-82.95
134	[MAD6A	6.9000]	AMPS	8575.3	-89.33	0.0	0.00
135	[MAD6B	6.9000]	AMPS	8516.4	-89.37	0.0	0.00
136	[MAD6C	6.9000]	AMPS	8524.2	-89.37	0.0	0.00
137	[GAM44	44.000]	AMPS	5314.1	-81.63	4499.5	-79.88
138	[ACL44	44.000]	AMPS	2804.9	-79.11	3268.8	-78.54
139	[GAT44	44.000]	AMPS	2765.9	-78.94	3337.8	-80.80
140	[GAT6A	6.9000]	AMPS	10831.9	-83.93	9968.2	-85.87
141	[GAT6B	6.9000]	AMPS	11435.4	-82.25	10708.8	-84.12
170	[MIR13G	13.800]	AMPS	18023.4	-92.34	13675.9	-93.06
171	[MIR13H	13.800]	AMPS	23705.2	-90.85	21725.9	-91.43

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PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E                   THU, NOV 27 2008 9:48  
ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008                   SHORT CIRCUIT  
AÑO 2009 ESC MOD DEM MAX INV   FAULT CURRENTS  
OUTPUT FOR AREA 9 [COLON                   ]

X-----	BUS	-----X	THREE PHASE FAULT		ONE PHASE FAULT		
			/I+/ AN(I+)	/IA/ AN(IA)			
56	[L.M.44	44.000]	AMPS	7573.1	-97.11	9741.2	-98.21
57	[L.M.13	13.800]	AMPS	15735.8	-98.06	7363.7	-104.25
58	[MHOPE	44.000]	AMPS	3988.5	-87.87	3009.8	-86.64
61	[FFIELD	115.00]	AMPS	8266.7	-88.51	8712.6	-83.88
63	[RCITY	44.000]	AMPS	4406.3	-92.71	3482.6	-90.19
64	[COLON44	44.000]	AMPS	4396.7	-92.70	3470.9	-90.17

**AÑO 2010**

X-----	BUS	-----X	THREE PHASE FAULT			ONE PHASE FAULT		
			/I+/ AMPS	AN(I+)		/IA/ AMPS	AN(IA)	
1	[PAN230	230.00]	7426.5	-80.83		8832.7	-84.06	
2	[PAN115	115.00]	13813.6	-81.13		17987.1	-83.78	
3	[PANII230	230.00]	7136.3	-81.15		7703.5	-84.01	
4	[PANIII115	115.00]	9762.6	-84.97		9944.6	-88.60	
5	[CHO230	230.00]	5973.2	-81.41		6365.2	-83.67	
6	[CHO115	115.00]	4697.2	-90.39		5562.5	-92.04	
7	[CHO34	34.500]	7539.5	-93.65		2248.2	-102.63	
8	[LSA230	230.00]	6525.6	-78.42		6023.2	-78.65	
9	[LSA115	115.00]	6316.1	-84.15		6977.2	-84.45	
10	[L.S.34	34.500]	6811.8	-91.17		2192.0	-93.75	
11	[M.N230	230.00]	7661.0	-72.58		6685.3	-71.90	
12	[M.N115	115.00]	8870.2	-74.29		9350.9	-73.74	
13	[MDNA34	34.500]	11610.1	-76.28		2403.3	-82.09	
14	[PRO230	230.00]	4774.9	-71.69		3015.9	-75.51	
15	[PRO115	115.00]	4276.7	-77.15		4432.6	-78.12	
16	[PRO34	34.500]	7105.5	-79.42		4276.9	-81.80	
18	[CAC115	115.00]	13661.2	-81.25		17113.9	-83.91	
19	[C.V115	115.00]	8995.2	-83.92		7222.4	-86.67	
20	[CH.AZUL	115.00]	2260.2	-74.16		1698.4	-72.37	
21	[C.BAN115	115.00]	11762.9	-81.24		11384.8	-84.57	
23	[CH115	115.00]	6772.9	-85.39		4789.3	-86.41	
26	[LOC115	115.00]	12165.6	-80.99		13179.5	-83.98	
30	[MAR115	115.00]	10725.0	-81.41		9680.6	-83.88	
33	[STM115	115.00]	12206.3	-81.45		13692.3	-83.92	
37	[SAN115	115.00]	11097.3	-81.76		9292.5	-85.40	
48	[TINAJ115	115.00]	10160.8	-83.12		8405.8	-85.81	
50	[M.O115	115.00]	10870.1	-82.70		9757.4	-85.59	
52	[TOC115	115.00]	7683.8	-85.68		5898.6	-87.38	
54	[LM1115	115.00]	11191.3	-87.16		13760.6	-87.92	
55	[LM2115	115.00]	11282.4	-87.53		13819.8	-87.95	
66	[BLM13B	13.800]	32057.3	-93.57		24321.9	-94.12	
67	[BLM13C	13.800]	33535.8	-93.61		33300.5	-93.98	
68	[BLM13D	13.800]	34201.0	-93.78		33736.1	-94.19	
69	[TGJB13.8	13.800]	20288.1	-97.08		0.0	0.00	
70	[TGJB13A	13.800]	16027.2	-97.62		0.0	0.00	
71	[TGJB13B	13.800]	16027.2	-97.62		0.0	0.00	
72	[BLMCCA	13.800]	16027.2	-97.62		0.0	0.00	
73	[BLMCCB	13.800]	16027.2	-97.62		0.0	0.00	
85	[PTP230	230.00]	5174.3	-71.03		4810.6	-55.26	
86	[CC13.8	13.800]	20288.1	-97.08		0.0	0.00	
87	[CAL115	115.00]	7357.9	-72.06		9366.0	-71.14	
88	[EST115	115.00]	6228.9	-70.90		8546.5	-71.17	
89	[EST.13	13.800]	48700.6	-71.44		29082.9	-73.96	
90	[EST-13L	13.800]	20964.2	-71.29		21883.6	-71.47	
91	[EST-13T	13.800]	20964.2	-71.29		21883.6	-71.47	
92	[L.V115	115.00]	6917.2	-71.58		9421.2	-71.80	
93	[L.V.13	13.800]	52976.1	-72.08		30020.6	-74.45	
94	[LV-13.8L	13.800]	21212.8	-71.29		22063.5	-71.45	
95	[LV-13.8T	13.800]	21212.8	-71.29		22063.5	-71.45	
96	[FOR230	230.00]	8144.5	-72.78		8676.0	-73.98	
97	[FOR13A	13.800]	58623.6	-73.10		51711.0	-73.50	
98	[FOR13B	13.800]	58623.6	-73.10		51711.0	-73.50	
99	[FOR13C	13.800]	58623.6	-73.10		51711.0	-73.50	
100	[BAY230	230.00]	5050.8	-83.55		5525.8	-86.26	
101	[BAY13A	13.800]	36469.9	-87.55		31701.2	-88.59	
102	[BAY13B	13.800]	36469.9	-87.70		31701.2	-88.74	
103	[COPESA23	230.00]	5969.8	-82.27		5338.5	-84.43	
104	[COPESA13	13.800]	19162.8	-95.41		0.0	0.00	
105	[PAN-AM23	230.00]	5926.8	-81.50		6298.2	-83.76	
106	[PANAM13A	13.800]	25369.1	-92.30		19483.8	-93.11	
107	[PANAM13B	13.800]	15081.0	-95.61		0.0	0.00	
108	[BAY13C	13.800]	36989.0	-87.73		35251.2	-88.62	
109	[STA RITA115	115.00]	10031.7	-87.09		11295.3	-88.07	
112	[TGP13.8	13.800]	81641.3	-87.70		0.0	0.00	
113	[TGP13A	13.800]	19637.5	-98.56		0.0	0.00	
114	[TGP13B	13.800]	19637.5	-98.56		0.0	0.00	
115	[PACORA23	230.00]	5514.1	-82.85		5514.1	-85.18	
116	[PACORA13	13.800]	22385.7	-93.66		14490.4	-95.98	
142	[CANJ13A	13.800]	16082.8	-60.51		13141.8	-60.59	
143	[CANJ13B	13.800]	16082.8	-60.51		13141.8	-60.59	
144	[CANJ230	230.00]	6483.6	-73.51		5850.5	-72.83	
145	[BJOMIN230	230.00]	4384.3	-71.50		0.0	0.00	
147	[GUASQ230	230.00]	6758.9	-73.55		6196.8	-72.99	
148	[VELADERO	230230.00]	7095.4	-75.17		5728.0	-73.87	
154	[CEMPAN15	115.00]	7721.4	-86.99		7638.4	-89.27	
160	[GEEHAN13.8	13.800]	4752.0	-95.68		5076.5	-97.96	
190	[CHANG230	230.00]	3285.1	-71.15		2420.2	-68.40	
191	[CHANG115	115.00]	2434.3	-77.10		2675.9	-76.60	
192	[CHANG34	34.500]	3777.6	-78.96		2206.1	-81.79	

204	[BJOMIN13	13.800]	AMPS	28599.7	-74.95	15467.8	-76.44
301	[CONC13.8	13.800]	AMPS	23130.7	-78.12	8742.9	-81.52
302	[PASOANCH13.8	13.800]	AMPS	21349.2	-78.22	1868.4	-82.58
304	[ALGA13.8	13.800]	AMPS	34763.2	-73.92	5068.2	-75.98
310	[CONCEPCION23	230.00]	AMPS	5549.3	-71.87	2658.4	-69.16
317	[MENDRE13.8	13.800]	AMPS	18947.1	-72.10	15269.1	-72.25
321	[CALDERA34.5	34.500]	AMPS	8520.8	-73.53	0.0	0.00
511	[LGUIAS230	230.00]	AMPS	3984.8	-80.79	3623.9	-82.40
512	[LGUIAS 34.5	34.500]	AMPS	5487.2	-91.45	0.0	0.00
521	[EGIRAL13.8	113.800]	AMPS	12106.2	-94.76	9239.2	-95.27
522	[TCATIVÁ 115	115.00]	AMPS	11262.9	-87.45	13857.0	-88.31
523	[TCATIVÁ 13A	13.800]	AMPS	35636.5	-94.04	26250.2	-94.92
524	[TCATIVÁ 13B	13.800]	AMPS	35996.5	-94.08	26515.4	-94.96
525	[TCOLON 13A	13.800]	AMPS	15832.8	-97.63	0.0	0.00
526	[TCOLON 13B	13.800]	AMPS	15832.8	-97.63	0.0	0.00
527	[TCOLON 13C	13.800]	AMPS	15832.8	-97.63	0.0	0.00
531	[EGIRAL13.8	213.800]	AMPS	25748.0	-93.63	35330.5	-94.33
540	[ANTON 230	230.00]	AMPS	5149.3	-84.13	3238.3	-81.26
541	[PETOABRE	4.2000]	AMPS	212287.1	-88.56	169915.0	-89.65
6000	[FRONTER	230.00]	AMPS	4712.8	-71.73	2864.3	-74.58

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, NOV 27 2008 10:05  
 ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008 SHORT CIRCUIT  
 AÑO 2010 ESC MOD DEM MAX INV FAULT CURRENTS  
 OUTPUT FOR AREA 7 [ACANAL ]

X-----	BUS	-----X	THREE PHASE FAULT		ONE PHASE FAULT		
			/I+/ AN(I+)	/IA/ AN(IA)			
123	[MIR115	115.00]	AMPS	10122.4	-83.58	10657.9	-86.13
124	[MIR44	44.000]	AMPS	14595.1	-89.51	18213.2	-89.98
126	[MIR13A	12.000]	AMPS	9047.4	-94.28	0.0	0.00
127	[MIR13B	12.000]	AMPS	9047.4	-94.28	0.0	0.00
128	[MIR13C	12.000]	AMPS	10335.0	-87.63	0.0	0.00
129	[MIR13D	13.800]	AMPS	23614.9	-85.90	26856.4	-87.01
130	[MIR13F	13.800]	AMPS	20999.1	-91.90	19774.2	-92.40
131	[BAL44	44.000]	AMPS	8528.4	-86.80	7217.4	-85.57
132	[SUM44	44.000]	AMPS	7439.5	-83.32	7794.3	-83.60
133	[MAD44	44.000]	AMPS	3153.1	-80.57	3999.4	-82.43
134	[MAD6A	6.9000]	AMPS	8570.4	-88.83	0.0	0.00
135	[MAD6B	6.9000]	AMPS	8511.4	-88.87	0.0	0.00
136	[MAD6C	6.9000]	AMPS	8519.3	-88.86	0.0	0.00
137	[GAM44	44.000]	AMPS	5315.6	-81.08	4498.4	-79.36
138	[ACL44	44.000]	AMPS	2805.2	-78.61	3268.7	-78.06
139	[GAT44	44.000]	AMPS	2766.2	-78.45	3337.9	-80.31
140	[GAT6A	6.9000]	AMPS	10834.9	-83.46	9970.0	-85.42
141	[GAT6B	6.9000]	AMPS	11438.6	-81.79	10710.8	-83.67
170	[MIR13G	13.800]	AMPS	18023.8	-91.79	13670.1	-92.53
171	[MIR13H	13.800]	AMPS	23706.2	-90.31	21719.1	-90.90

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, NOV 27 2008 10:05  
 ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008 SHORT CIRCUIT  
 AÑO 2010 ESC MOD DEM MAX INV FAULT CURRENTS  
 OUTPUT FOR AREA 9 [COLON ]

X-----	BUS	-----X	THREE PHASE FAULT		ONE PHASE FAULT		
			/I+/ AN(I+)	/IA/ AN(IA)			
56	[L.M.44	44.000]	AMPS	7613.2	-95.70	9791.1	-96.84
57	[L.M.13	13.800]	AMPS	15824.5	-96.67	7399.1	-103.12
58	[MHOPE	44.000]	AMPS	4006.6	-86.58	3023.3	-85.43
61	[FFIELD	115.00]	AMPS	8315.9	-86.98	8743.9	-82.41
63	[RCITY	44.000]	AMPS	4427.4	-91.41	3498.6	-88.96
64	[COLON44	44.000]	AMPS	4417.7	-91.40	3486.8	-88.95

**AÑO 2011**



X-----	BUS	-----X	THREE PHASE FAULT		ONE PHASE FAULT		
			/I+/ AN(I+)	/IA/ AN(IA)			
1	[PAN230	230.00]	AMPS	6062.7	-72.43	7498.1	-76.24
2	[PAN115	115.00]	AMPS	11359.2	-73.58	15141.5	-76.46
3	[PANII230	230.00]	AMPS	5945.5	-73.08	6762.5	-77.00
4	[PANIII115	115.00]	AMPS	9389.3	-77.63	9907.4	-82.71
5	[CHO230	230.00]	AMPS	4975.2	-72.91	5516.3	-76.84
6	[CHO115	115.00]	AMPS	4355.3	-84.14	5226.6	-86.47
7	[CHO34	34.500]	AMPS	7254.2	-88.78	2224.0	-99.64
8	[LSA230	230.00]	AMPS	5821.2	-66.51	5437.6	-69.51
9	[LSA115	115.00]	AMPS	5912.6	-73.75	6534.7	-75.38
10	[L.S.34	34.500]	AMPS	6590.4	-82.49	2160.9	-85.94
11	[M.N230	230.00]	AMPS	8374.6	-57.11	7505.4	-56.81
12	[M.N115	115.00]	AMPS	8933.2	-59.27	9567.2	-59.06
13	[MDNA34	34.500]	AMPS	10334.8	-61.46	2363.9	-68.15
14	[PRO230	230.00]	AMPS	5101.7	-55.95	3959.4	-57.73
15	[PRO115	115.00]	AMPS	4393.6	-61.59	4844.6	-62.12
16	[PRO34	34.500]	AMPS	7184.9	-63.79	4285.9	-66.17
18	[CAC115	115.00]	AMPS	11263.4	-73.78	14524.8	-76.88
19	[C.V115	115.00]	AMPS	8373.0	-77.49	7008.7	-82.33
20	[CH.AZUL	115.00]	AMPS	2288.6	-58.48	1750.9	-56.35
21	[C.BAN115	115.00]	AMPS	10037.3	-74.30	10263.3	-79.16
23	[CH115	115.00]	AMPS	6067.9	-81.46	4515.1	-84.48
26	[LOC115	115.00]	AMPS	10302.6	-73.96	11666.2	-78.04
30	[MAR115	115.00]	AMPS	9237.6	-74.96	8817.8	-79.19
33	[STM115	115.00]	AMPS	10261.6	-74.46	11984.9	-77.90
37	[SAN115	115.00]	AMPS	9592.5	-75.00	8565.5	-80.65
48	[TINAJ115	115.00]	AMPS	8798.3	-76.76	7735.5	-81.44
50	[M.O115	115.00]	AMPS	9319.7	-76.08	8868.6	-80.74
52	[TOC115	115.00]	AMPS	7478.6	-79.55	5899.0	-83.37
54	[LM1115	115.00]	AMPS	9625.1	-82.25	12044.9	-83.89
55	[LM2115	115.00]	AMPS	9652.0	-82.49	12037.6	-83.84
66	[BLM13B	13.800]	AMPS	31715.5	-95.34	24179.8	-96.27
67	[BLM13C	13.800]	AMPS	33191.8	-95.41	33054.6	-96.02
68	[BLM13D	13.800]	AMPS	33824.7	-95.47	33470.9	-96.14
69	[TGJB13.8	13.800]	AMPS	19543.9	-96.89	0.0	0.00
70	[TGJB13A	13.800]	AMPS	15521.8	-97.78	0.0	0.00
71	[TGJB13B	13.800]	AMPS	15521.8	-97.78	0.0	0.00
72	[BLMCCA	13.800]	AMPS	15521.8	-97.78	0.0	0.00
73	[BLMCCB	13.800]	AMPS	15521.8	-97.78	0.0	0.00
85	[PTP230	230.00]	AMPS	4666.5	-55.70	4064.1	-50.51
86	[CC13.8	13.800]	AMPS	19543.9	-96.89	0.0	0.00
87	[CAL115	115.00]	AMPS	7572.3	-57.56	9598.4	-56.62
88	[EST115	115.00]	AMPS	6373.0	-56.42	8727.8	-56.70
89	[EST.13	13.800]	AMPS	49672.8	-57.02	29350.3	-59.61
90	[EST-13L	13.800]	AMPS	21227.3	-57.17	22141.2	-57.35
91	[EST-13T	13.800]	AMPS	21227.3	-57.17	22141.2	-57.35
92	[L.V115	115.00]	AMPS	7102.2	-57.07	9650.2	-57.30
93	[L.V.13	13.800]	AMPS	54160.9	-57.62	30301.8	-60.05
94	[LV-13.8L	13.800]	AMPS	21483.4	-56.95	22326.2	-57.11
95	[LV-13.8T	13.800]	AMPS	21483.4	-56.95	22326.2	-57.11
96	[FOR230	230.00]	AMPS	9196.0	-57.20	9541.3	-58.39
97	[FOR13A	13.800]	AMPS	61301.1	-58.19	53712.6	-58.57
98	[FOR13B	13.800]	AMPS	61301.1	-58.19	53712.6	-58.57
99	[FOR13C	13.800]	AMPS	61301.1	-58.19	53712.6	-58.57
100	[BAY230	230.00]	AMPS	4583.5	-78.38	5148.6	-81.78
101	[BAY13A	13.800]	AMPS	35826.2	-86.57	31374.0	-88.00
102	[BAY13B	13.800]	AMPS	35826.2	-84.88	31374.0	-86.31
103	[COPESA23	230.00]	AMPS	5157.2	-75.17	4894.7	-79.03
104	[COPESA13	13.800]	AMPS	18716.9	-92.11	0.0	0.00
105	[PAN-AM23	230.00]	AMPS	4938.5	-73.04	5463.0	-76.95
106	[PANAM13A	13.800]	AMPS	14542.5	-91.41	0.0	0.00
107	[PANAM13B	13.800]	AMPS	14542.5	-91.41	0.0	0.00
108	[BAY13C	13.800]	AMPS	36342.5	-84.91	34855.3	-86.14
109	[STA RITA115	115.00]	AMPS	9252.5	-81.70	10616.3	-84.05
112	[TGP13.8	13.800]	AMPS	71651.0	-81.10	0.0	0.00
113	[TGP13A	13.800]	AMPS	19035.7	-95.82	0.0	0.00
114	[TGP13B	13.800]	AMPS	19035.7	-95.82	0.0	0.00
115	[PACORA23	230.00]	AMPS	4766.8	-76.17	5000.8	-79.74
116	[PACORA13	13.800]	AMPS	17833.6	-91.63	0.0	0.00
142	[CANJ13A	13.800]	AMPS	16302.4	-45.61	13299.4	-45.68
143	[CANJ13B	13.800]	AMPS	16302.4	-45.61	13299.4	-45.68
144	[CANJ230	230.00]	AMPS	7568.0	-57.98	6562.6	-57.45
145	[BJOMIN230	230.00]	AMPS	5043.0	-55.69	4340.9	-56.90
146	[GUALACA230	230.00]	AMPS	7151.5	-51.14	6134.5	-53.27
147	[GUASQ230	230.00]	AMPS	7957.7	-57.98	7017.2	-57.60
148	[VELADERO 230230.00]	AMPS	7210.3	-60.94	5768.9	-60.67	
151	[GUALACA13.8	13.800]	AMPS	39090.3	-61.37	20171.4	-63.34
154	[CEMPAN15	115.00]	AMPS	6102.7	-83.12	6382.0	-86.58
160	[GEEHAN13.8	13.800]	AMPS	4490.3	-94.89	4860.9	-97.52
190	[CHANG230	230.00]	AMPS	5251.2	-53.36	4243.4	-44.74

191	[CHANG115	115.00]	AMPS	2814.9	-59.18	3183.4	-58.11
192	[CHANG34	34.500]	AMPS	4027.9	-60.38	2273.7	-62.80
204	[BJOMIN13	13.800]	AMPS	29822.3	-58.93	32713.0	-59.46
205	[BAITUN13.8	13.800]	AMPS	37762.1	-56.75	30081.1	-57.58
301	[CONC13.8	13.800]	AMPS	19340.8	-63.73	0.0	0.00
302	[PASOANCH13.8	13.800]	AMPS	19694.1	-63.57	1859.4	-68.82
304	[ALGA13.8	13.800]	AMPS	36885.9	-59.54	9884.3	-61.41
306	[CHAN1 230	230.00]	AMPS	5375.5	-52.96	4641.3	-37.39
307	[CHAN1 A	13.800]	AMPS	43697.1	-52.86	28562.7	-53.89
308	[CHAN1 B	13.800]	AMPS	43697.1	-52.86	28562.7	-53.89
310	[CONCEPCION23	230.00]	AMPS	6212.6	-56.19	4954.8	-56.59
317	[MENDRE13.8	13.800]	AMPS	18990.8	-57.72	15290.2	-57.86
321	[CALDERA34.5	34.500]	AMPS	8567.2	-59.15	8149.6	-59.44
511	[LGUIAS230	230.00]	AMPS	4644.0	-70.17	4488.3	-73.21
512	[LGUIAS 34.5	34.500]	AMPS	5547.5	-85.15	0.0	0.00
521	[EGIRAL13.8	13.800]	AMPS	7360.1	-98.86	0.0	0.00
522	[TCATIVÁ 115	115.00]	AMPS	9648.1	-82.42	12087.6	-84.15
523	[TCATIVÁ 13A	13.800]	AMPS	32023.1	-94.93	22183.8	-96.61
524	[TCATIVÁ 13B	13.800]	AMPS	19558.3	-96.93	0.0	0.00
525	[TCOLON 13A	13.800]	AMPS	15521.9	-97.45	0.0	0.00
526	[TCOLON 13B	13.800]	AMPS	15521.9	-97.45	0.0	0.00
527	[TCOLON 13C	13.800]	AMPS	15521.9	-97.45	0.0	0.00
531	[EGIRAL13.8	213.800]	AMPS	13989.9	-96.63	0.0	0.00
540	[ANTON 230	230.00]	AMPS	4054.6	-74.20	2862.2	-74.10
541	[PETOABRE	4.2000]	AMPS	110813.5	-79.97	48726.4	-83.75
6000	[FRONTER	230.00]	AMPS	4983.6	-56.01	3595.6	-56.85

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, NOV 27 2008 10:15  
 ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008 SHORT CIRCUIT  
 AÑO 2011 ESC MOD DEM MAX INV FAULT CURRENTS

OUTPUT FOR AREA 7 [ACANAL ]

X-----	BUS	-----X		THREE PHASE FAULT		ONE PHASE FAULT	
				/I+/ AN(I+)	/IA/ AN(IA)		
123	[MIR115	115.00]	AMPS	8898.7	-77.87	9711.7	-81.46
124	[MIR44	44.000]	AMPS	14377.9	-87.42	17983.9	-88.09
126	[MIR13A	12.000]	AMPS	9035.4	-93.28	0.0	0.00
127	[MIR13B	12.000]	AMPS	9035.4	-93.28	0.0	0.00
128	[MIR13C	12.000]	AMPS	10314.4	-86.64	0.0	0.00
129	[MIR13D	13.800]	AMPS	23772.5	-85.09	27056.1	-86.24
130	[MIR13F	13.800]	AMPS	20960.8	-90.83	19760.9	-91.45
131	[BAL44	44.000]	AMPS	8455.5	-85.27	7182.7	-84.39
132	[SUM44	44.000]	AMPS	7393.1	-82.02	7763.7	-82.47
133	[MAD44	44.000]	AMPS	3148.0	-79.62	3995.2	-81.51
134	[MAD6A	6.9000]	AMPS	8577.4	-88.01	0.0	0.00
135	[MAD6B	6.9000]	AMPS	8518.6	-88.06	0.0	0.00
136	[MAD6C	6.9000]	AMPS	8526.4	-88.05	0.0	0.00
137	[GAM44	44.000]	AMPS	5301.7	-80.02	4496.5	-78.48
138	[ACL44	44.000]	AMPS	2819.4	-77.94	3286.4	-77.42
139	[GAT44	44.000]	AMPS	2780.8	-77.79	3356.7	-79.68
140	[GAT6A	6.9000]	AMPS	10936.1	-82.91	10065.7	-84.89
141	[GAT6B	6.9000]	AMPS	11545.5	-81.27	10813.5	-83.17
170	[MIR13G	13.800]	AMPS	17979.1	-90.69	13660.2	-91.60
171	[MIR13H	13.800]	AMPS	23645.7	-89.20	21693.5	-89.93

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E THU, NOV 27 2008 10:15  
 ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008 SHORT CIRCUIT  
 AÑO 2011 ESC MOD DEM MAX INV FAULT CURRENTS

OUTPUT FOR AREA 9 [COLON ]

X-----	BUS	-----X		THREE PHASE FAULT		ONE PHASE FAULT	
				/I+/ AN(I+)	/IA/ AN(IA)		
56	[L.M.44	44.000]	AMPS	7324.2	-94.91	9444.5	-96.33
57	[L.M.13	13.800]	AMPS	15428.7	-96.60	7300.3	-104.44
58	[MHOPE	44.000]	AMPS	3896.3	-87.18	2965.4	-86.64
61	[FFIELD	115.00]	AMPS	7411.8	-83.53	7953.9	-80.66
63	[RCITY	44.000]	AMPS	4305.6	-91.78	3428.5	-90.03
64	[COLON44	44.000]	AMPS	4296.3	-91.77	3417.1	-90.02



**AÑO 2012**

X-----	BUS	-----X	THREE PHASE FAULT			ONE PHASE FAULT	
				/I+/ AN(I+)	/IA/ AN(IA)		
1	[PAN230	230.00]	AMPS	6118.2	-68.47	7794.7	-72.39
2	[PAN115	115.00]	AMPS	11131.4	-69.51	14940.9	-72.57
3	[PANII230	230.00]	AMPS	6063.2	-69.09	7048.1	-73.45
4	[PANIII115	115.00]	AMPS	9746.5	-73.33	10747.4	-78.58
5	[CHO230	230.00]	AMPS	5029.4	-69.97	5732.4	-74.34
6	[CHO115	115.00]	AMPS	5375.4	-80.31	6595.1	-82.88
7	[CHO34	34.500]	AMPS	9841.0	-86.05	3288.5	-96.78
8	[LSA230	230.00]	AMPS	6552.3	-63.83	6193.4	-67.30
9	[LSA115	115.00]	AMPS	6220.2	-72.64	7022.7	-74.25
10	[L.S.34	34.500]	AMPS	6842.6	-82.15	2192.7	-85.60
11	[M.N230	230.00]	AMPS	9180.1	-56.73	7904.6	-56.72
12	[M.N115	115.00]	AMPS	9177.2	-59.53	9737.6	-59.35
13	[MDNA34	34.500]	AMPS	10391.1	-61.80	2351.8	-68.79
14	[PRO230	230.00]	AMPS	5481.3	-55.60	4111.4	-57.44
15	[PRO115	115.00]	AMPS	4513.9	-61.40	4954.8	-61.91
16	[PRO34	34.500]	AMPS	7261.4	-63.52	4319.6	-65.87
18	[CAC115	115.00]	AMPS	11025.2	-69.76	14330.7	-73.11
19	[C.V115	115.00]	AMPS	8448.8	-73.87	7180.4	-79.48
20	[CH.AZUL	115.00]	AMPS	2314.9	-58.16	1759.0	-56.00
21	[C.BAN115	115.00]	AMPS	9870.2	-70.56	10220.9	-76.09
23	[CH115	115.00]	AMPS	5795.7	-78.55	4426.7	-82.60
26	[LOC115	115.00]	AMPS	10121.0	-70.16	11581.0	-74.74
30	[MAR115	115.00]	AMPS	9111.5	-71.38	8800.8	-76.38
33	[STM115	115.00]	AMPS	10097.6	-70.63	11904.2	-74.52
37	[SAN115	115.00]	AMPS	9449.9	-71.35	8569.7	-77.84
48	[TINAJ115	115.00]	AMPS	8708.2	-73.23	7748.9	-78.78
50	[M.O115	115.00]	AMPS	9207.0	-72.43	8866.6	-77.87
52	[TOC115	115.00]	AMPS	7719.5	-75.94	6193.2	-80.47
54	[LM1115	115.00]	AMPS	8062.9	-78.30	10382.6	-80.27
55	[LM2115	115.00]	AMPS	8064.5	-78.41	10355.5	-80.17
66	[BLM13B	13.800]	AMPS	30905.2	-94.62	23748.7	-95.93
67	[BLM13C	13.800]	AMPS	32363.1	-94.72	32397.6	-95.58
68	[BLM13D	13.800]	AMPS	15159.6	-96.43	0.0	0.00
69	[TGJB13.8	13.800]	AMPS	18725.0	-95.28	0.0	0.00
70	[TGJB13A	13.800]	AMPS	14986.6	-96.47	0.0	0.00
71	[TGJB13B	13.800]	AMPS	14986.6	-96.47	0.0	0.00
72	[BLMCCA	13.800]	AMPS	14986.6	-96.47	0.0	0.00
73	[BLMCCB	13.800]	AMPS	14986.6	-96.47	0.0	0.00
85	[PTP230	230.00]	AMPS	5006.5	-56.01	4392.9	-50.53
86	[CC13.8	13.800]	AMPS	18725.0	-95.28	0.0	0.00
87	[CAL115	115.00]	AMPS	7659.5	-57.69	9685.6	-56.77
88	[EST115	115.00]	AMPS	6425.2	-56.54	8790.5	-56.84
89	[EST.13	13.800]	AMPS	49987.4	-57.15	29369.3	-59.80
90	[EST-13L	13.800]	AMPS	21255.7	-57.19	22161.8	-57.38
91	[EST-13T	13.800]	AMPS	21255.7	-57.19	22161.8	-57.38
92	[L.V115	115.00]	AMPS	7174.6	-57.20	9735.8	-57.45
93	[L.V.13	13.800]	AMPS	54576.2	-57.76	30325.4	-60.26
94	[LV-13.8L	13.800]	AMPS	21514.4	-56.99	22348.5	-57.15
95	[LV-13.8T	13.800]	AMPS	21514.4	-56.99	22348.5	-57.15
96	[FOR230	230.00]	AMPS	10384.3	-57.14	10448.1	-58.74
97	[FOR13A	13.800]	AMPS	61127.5	-58.87	53208.2	-59.27
98	[FOR13B	13.800]	AMPS	61127.5	-58.87	53208.2	-59.27
99	[FOR13C	13.800]	AMPS	61127.5	-58.87	53208.2	-59.27
100	[BAY230	230.00]	AMPS	4641.5	-76.97	5200.4	-80.84
101	[BAY13A	13.800]	AMPS	36014.7	-86.24	31472.9	-87.81
102	[BAY13B	13.800]	AMPS	36014.7	-86.89	31472.9	-88.47
103	[COPESA23	230.00]	AMPS	5248.0	-71.98	5038.4	-76.66
104	[COPESA13	13.800]	AMPS	18748.7	-91.23	0.0	0.00
105	[PAN-AM23	230.00]	AMPS	4992.3	-70.11	5671.6	-74.48
106	[PANAM13A	13.800]	AMPS	14571.1	-90.69	0.0	0.00
107	[PANAM13B	13.800]	AMPS	14571.1	-90.69	0.0	0.00
108	[BAY13C	13.800]	AMPS	36532.0	-86.93	34974.2	-88.28
109	[STA RITA115	115.00]	AMPS	8086.3	-77.95	9575.7	-80.81
112	[TGP13.8	13.800]	AMPS	71172.7	-77.59	0.0	0.00
113	[TGP13A	13.800]	AMPS	19231.7	-93.93	0.0	0.00
114	[TGP13B	13.800]	AMPS	19231.7	-93.93	0.0	0.00
115	[PACORA23	230.00]	AMPS	4843.6	-73.46	5093.1	-77.68
116	[PACORA13	13.800]	AMPS	17863.1	-90.91	0.0	0.00
142	[CANJ13A	13.800]	AMPS	16364.6	-45.54	13326.9	-45.61
143	[CANJ13B	13.800]	AMPS	16364.6	-45.54	13326.9	-45.61
144	[CANJ230	230.00]	AMPS	9204.7	-57.70	8075.2	-58.02
145	[BJOMIN230	230.00]	AMPS	5967.9	-55.31	4751.9	-56.23
146	[GUALACA230	230.00]	AMPS	8768.1	-50.90	7560.1	-53.72
147	[GUASQ230	230.00]	AMPS	9807.8	-57.62	8824.4	-58.24
148	[VELADERO 230230.00]	AMPS	7734.5	-60.03	6050.6	-60.30	
151	[GUALACA13.8	13.800]	AMPS	40666.7	-62.33	20442.5	-64.11
154	[CEMPAN15	115.00]	AMPS	5625.1	-80.20	6035.6	-84.22
160	[GEEHAN13.8	13.800]	AMPS	4473.7	-94.51	4837.3	-97.33
190	[CHANG230	230.00]	AMPS	5371.3	-53.78	4292.3	-45.18

191	[CHANG115	115.00]	AMPS	2815.7	-59.89	3179.2	-58.85
192	[CHANG34	34.500]	AMPS	4010.2	-61.12	2257.7	-63.67
204	[BJOMIN13	13.800]	AMPS	30922.4	-57.83	33585.2	-58.26
205	[BAITUN13.8	13.800]	AMPS	39014.7	-55.86	30601.4	-56.52
301	[CONC13.8	13.800]	AMPS	19378.9	-64.19	0.0	0.00
302	[PASOANCH13.8	13.800]	AMPS	19732.7	-64.03	1847.3	-69.48
304	[ALGA13.8	13.800]	AMPS	37025.5	-59.75	9860.0	-61.66
306	[CHAN1 230	230.00]	AMPS	5486.0	-53.39	4678.3	-37.64
307	[CHAN1 A	13.800]	AMPS	43584.9	-53.49	28372.5	-54.55
308	[CHAN1 B	13.800]	AMPS	43584.9	-53.49	28372.5	-54.55
310	[CONCEPCION23	230.00]	AMPS	7066.0	-55.83	5282.2	-56.14
311	[PANDO13.8	13.800]	AMPS	21504.1	-53.44	21658.6	-53.49
316	[MONTE LIRIO	13.800]	AMPS	35603.5	-56.25	36584.2	-56.45
317	[MENDRE13.8	13.800]	AMPS	18932.9	-57.75	15236.1	-57.90
321	[CALDERA34.5	34.500]	AMPS	8555.8	-59.28	8130.6	-59.58
341	[PRUDENCIA230	230.00]	AMPS	6410.8	-37.61	5548.1	-43.09
342	[LORENA13.8	13.800]	AMPS	44541.5	-59.98	37238.0	-61.80
343	[PRUDENCIA138	13.800]	AMPS	33052.4	-55.89	36825.7	-57.67
345	[LORENA230	230.00]	AMPS	7452.4	-43.54	6260.6	-49.08
511	[LGUIAS230	230.00]	AMPS	4860.6	-67.84	4713.2	-71.36
512	[LGUIAS 34.5	34.500]	AMPS	5636.7	-84.57	0.0	0.00
521	[EGIRAL13.8	113.800]	AMPS	7281.9	-97.97	0.0	0.00
522	[TCATIVÁ 115	115.00]	AMPS	8063.4	-78.35	10398.3	-80.42
523	[TCATIVÁ 13A	13.800]	AMPS	18727.0	-95.29	0.0	0.00
524	[TCATIVÁ 13B	13.800]	AMPS	18727.0	-95.29	0.0	0.00
525	[TCOLON 13A	13.800]	AMPS	15127.6	-96.07	0.0	0.00
526	[TCOLON 13B	13.800]	AMPS	15127.6	-96.07	0.0	0.00
527	[TCOLON 13C	13.800]	AMPS	15127.6	-96.07	0.0	0.00
531	[EGIRAL13.8	213.800]	AMPS	13719.4	-95.31	0.0	0.00
540	[ANTON 230	230.00]	AMPS	4184.7	-72.33	2942.7	-72.90
541	[PETOABRE	4.2000]	AMPS	112698.8	-79.17	49172.8	-83.28
6000	[FRONTER	230.00]	AMPS	5294.5	-55.69	3702.8	-56.56

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E  
 ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008  
 AÑO 2012 ESC MOD DEM MAX INV

THU, NOV 27 2008 10:17  
 SHORT CIRCUIT  
 FAULT CURRENTS

OUTPUT FOR AREA 7 [ACANAL ]

X-----	BUS	-----X		THREE PHASE FAULT		ONE PHASE FAULT	
				/I+/ AN(I+)	AN(I+)	/IA/ AN(IA)	AN(IA)
123	[MIR115	115.00]	AMPS	8806.9	-74.59	9687.3	-78.67
124	[MIR44	44.000]	AMPS	14394.7	-85.90	18009.2	-86.66
126	[MIR13A	12.000]	AMPS	9053.7	-92.23	0.0	0.00
127	[MIR13B	12.000]	AMPS	9053.7	-92.23	0.0	0.00
128	[MIR13C	12.000]	AMPS	10333.0	-85.58	0.0	0.00
129	[MIR13D	13.800]	AMPS	23529.9	-83.87	26782.7	-85.05
130	[MIR13F	13.800]	AMPS	20997.8	-89.75	19795.8	-90.42
131	[BAL44	44.000]	AMPS	8467.9	-83.98	7193.8	-83.25
132	[SUM44	44.000]	AMPS	7392.2	-80.78	7764.4	-81.32
133	[MAD44	44.000]	AMPS	3148.4	-78.55	3996.2	-80.45
134	[MAD6A	6.9000]	AMPS	8581.5	-87.01	0.0	0.00
135	[MAD6B	6.9000]	AMPS	8522.6	-87.05	0.0	0.00
136	[MAD6C	6.9000]	AMPS	8530.5	-87.04	0.0	0.00
137	[GAM44	44.000]	AMPS	5295.4	-78.86	4491.7	-77.40
138	[ACL44	44.000]	AMPS	2802.2	-76.79	3266.2	-76.29
139	[GAT44	44.000]	AMPS	2763.2	-76.63	3335.5	-78.54
140	[GAT6A	6.9000]	AMPS	10829.0	-81.78	9966.8	-83.77
141	[GAT6B	6.9000]	AMPS	11432.4	-80.11	10707.4	-82.03
170	[MIR13G	13.800]	AMPS	18014.4	-89.60	13687.0	-90.58
171	[MIR13H	13.800]	AMPS	23691.5	-88.12	21735.6	-88.90

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS/E  
 ACTUALIZACION PLAN. EXP-SIN CON C.A. JUNIO 2008  
 AÑO 2012 ESC MOD DEM MAX INV

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 SHORT CIRCUIT  
 FAULT CURRENTS

OUTPUT FOR AREA 9 [COLON ]

X-----	BUS	-----X		THREE PHASE FAULT		ONE PHASE FAULT	
				/I+/ AN(I+)	AN(I+)	/IA/ AN(IA)	AN(IA)
56	[L.M.44	44.000]	AMPS	7015.1	-92.58	9120.3	-94.26
57	[L.M.13	13.800]	AMPS	15096.0	-94.88	7317.4	-103.92
58	[MHOPE	44.000]	AMPS	3817.5	-86.19	2950.7	-86.18
61	[FFIELD	115.00]	AMPS	6457.4	-80.13	7171.4	-78.40
63	[RCITY	44.000]	AMPS	4211.7	-90.52	3405.0	-89.43
64	[COLON44	44.000]	AMPS	4202.9	-90.51	3393.9	-89.4