

APÊNDICE 1

DADOS DIÁRIOS COLETADOS

As tabelas A1.1 a A1.12 a seguir apresentam os dados utilizados na análise das incertezas diárias realizada no capítulo 3. Para cada carga da área analisada são apresentados os seguintes dados:

- . N^o - número da observação
- . DIA - data da coleta (ano, mês, dia)
- . MW - valor registrado de MW
- . Mvar - valor registrado de Mvar
- . TEND - curva de tendência ajustada
- . DIF - curva estacionária : (MW ou Mvar) - (TEND)
- . MEDIA - valor da média da amostra
- . DESVIO - valor do desvio da amostra

As curvas das figuras A1.1 a A1.18 apresentam os valores diários de potência ativa e reativa das cargas em análise, cujos valores estão nas tabelas A1.1 a A1.12. São apresentadas para cada carga as curvas de tendência de comportamento e ainda as curvas estacionárias obtidas conforme descrito no Capítulo 3, onde já foram apresentadas as curvas referentes a Angelim, Açú e Mossoró.

As figuras A1.19 a A1.36 apresentam os histogramas de frequência da variação da carga máxima diária e a distribuição normal que melhor se ajusta a estes dados. Também se encontram no capítulo 3 os histogramas referentes as gargas de Angelim, Açú e Mossoró.

TAB A1.1 - Dados diários coletados - Açú e Açonorte

No Dia	acu 69 kv 651						Aco Norte 230 Kv (bongi) 243					
	MW	TEND	DIF	MVar	TEND	DIF	MW	TEND	DIF	MVar	TEND	DIF
1 860915	18.26	19.05	-0.80	1.97	1.84	0.13	5.90	6.75	-0.84	0.01	0.07	-0.06
2 860916	18.89	19.27	-0.38	2.55	1.85	0.70	6.52	7.41	-0.89	0.06	0.46	-0.40
3 860917	18.72	19.47	-0.75	1.14	1.86	-0.72	8.75	7.63	1.12	0.92	0.59	0.33
4 860918	18.03	19.66	-1.63	1.08	1.88	-0.80	8.86	7.74	1.11	0.80	0.66	0.15
5 860919	18.90	19.83	-0.93	1.71	1.89	-0.18	9.32	7.81	1.52	1.16	0.70	0.47
6 860922	18.12	20.00	-1.88	3.51	1.90	1.61	8.11	7.85	0.26	0.37	0.72	-0.35
7 860923	18.87	20.16	-1.29	1.88	1.92	-0.04	8.82	7.88	0.94	1.15	0.74	0.41
8 860924	19.02	20.31	-1.29	2.58	1.93	0.65	8.99	7.91	1.08	1.09	0.75	0.34
9 860925	19.19	20.44	-1.26	2.67	1.95	0.72	9.82	7.93	1.89	1.54	0.76	0.77
10 860926	18.84	20.57	-1.73	2.46	1.96	0.50	9.62	7.94	1.68	1.54	0.77	0.76
11 860929	18.39	20.69	-2.30	2.25	1.98	0.27	7.03	7.95	-0.92	0.00	0.78	-0.78
12 860930	25.88	20.79	5.08	1.37	1.99	-0.63	8.53	7.96	0.57	0.74	0.79	-0.04
13 861001	27.21	20.89	6.32	1.58	2.01	-0.43	8.86	7.97	0.88	0.79	0.79	0.00
14 861002	27.39	20.97	6.42	1.79	2.02	-0.24	5.00	7.98	-2.98	0.00	0.80	-0.80
15 861003	26.93	21.05	5.88	1.16	2.04	-0.88	8.18	7.99	0.20	0.80	0.80	0.00
16 861006	29.12	21.11	8.01	1.13	2.05	-0.93	7.66	7.99	-0.34	0.02	0.80	-0.78
17 861007	18.72	21.16	-2.44	2.43	2.07	0.36	7.08	8.00	-0.92	0.78	0.81	-0.03
18 861008	18.62	21.20	-2.59	2.36	2.09	0.27	8.26	8.00	0.26	0.60	0.81	-0.21
19 861009	19.02	21.23	-2.21	1.65	2.10	-0.45	9.78	8.00	1.78	1.79	0.81	0.98
20 861010	18.05	21.26	-3.21	0.90	2.12	-1.22	8.18	8.01	0.18	0.97	0.81	0.16
21 861013	18.18	21.27	-3.09	1.73	2.14	-0.41	4.96	8.01	-3.06	0.00	0.81	-0.81
22 861014	29.25	21.27	7.98	1.04	2.16	-1.12	10.20	8.01	2.19	2.04	0.82	1.22
23 861015	20.18	21.25	-1.08	1.46	2.17	-0.72	7.55	8.02	-0.47	0.01	0.82	-0.81
24 861016	19.88	21.23	-1.36	2.64	2.19	0.45	7.08	8.02	-0.94	0.00	0.82	-0.82
25 861017	20.07	21.20	-1.13	3.08	2.21	0.86	7.85	8.02	-0.17	0.73	0.82	-0.09
26 861020	19.11	21.16	-2.05	2.37	2.23	0.14	9.83	8.02	1.80	1.72	0.82	0.89
27 861021	20.27	21.11	-0.84	2.63	2.25	0.38	5.76	8.03	-2.27	0.00	0.82	-0.82
28 861022	19.82	21.04	-1.23	2.51	2.27	0.24	7.49	8.03	-0.54	0.35	0.82	-0.48
29 861023	19.74	20.97	-1.23	4.38	2.29	2.09	5.76	8.03	-2.27	0.00	0.82	-0.82
30 861024	19.17	20.89	-1.72	3.14	2.31	0.83	7.36	8.03	-0.67	0.06	0.83	-0.77
31 861027	18.18	20.79	-2.61	2.60	2.33	0.27	9.14	8.03	1.11	1.50	0.83	0.67
32 861028	19.10	20.68	-1.59	2.09	2.35	-0.26	9.08	8.03	1.05	1.51	0.83	0.69
33 861029	18.87	20.57	-1.70	2.18	2.37	-0.20	6.84	8.03	-1.19	0.08	0.83	-0.74
34 861030	19.38	20.44	-1.06	2.24	2.39	-0.16	8.34	8.04	0.30	1.12	0.83	0.29
35 861031	20.58	20.30	0.28	2.34	2.41	-0.07	8.83	8.04	0.80	1.40	0.83	0.57
36 861103	20.40	20.16	0.24	2.07	2.44	-0.37	7.94	8.04	-0.09	0.96	0.83	0.13
37 861104	20.30	20.00	0.30	3.27	2.46	0.81	9.65	8.04	1.61	1.91	0.83	1.08
38 861105	20.16	19.83	0.33	1.34	2.48	-1.15	7.44	8.04	-0.60	0.29	0.83	-0.54
39 861106	19.86	19.65	0.21	1.22	2.51	-1.29	9.67	8.04	1.63	1.97	0.83	1.14
40 861107	19.23	19.46	-0.23	2.88	2.53	0.35	9.74	8.04	1.70	2.24	0.83	1.41
41 861110	18.95	19.26	-0.32	2.69	2.56	0.13	7.01	8.04	-1.03	0.53	0.83	-0.30
42 861111	19.37	19.05	0.32	2.66	2.58	0.07	5.99	8.04	-2.05	0.02	0.83	-0.81
43 861112	19.55	18.83	0.72	2.30	2.61	-0.31	5.87	8.04	-2.18	0.01	0.83	-0.82
44 861113	20.31	18.60	1.71	2.73	2.63	0.10	7.78	8.04	-0.27	0.70	0.83	-0.14
45 861114	20.39	18.35	2.03	3.23	2.66	0.56	7.08	8.04	-0.96	0.60	0.83	-0.23
MEDIA	20.36	20.37	0.00	2.20	2.20	0.00	7.94	7.94	0.00	0.78	0.78	0.00
DESVIO	"	"	2.85	"	"	0.71	"	"	1.36	"	"	0.66
DESVIO %	"	"	13.99	"	"	32.15	"	"	17.14	"	"	85.02

TAB A1.2 - Dados diários coletados - Angelim e Banabulú

Angelim 69 Kv (ceal e celpe) 640											Banabuiu 69 Kv 622		
No Dia	MW			TEND	DIF	Hvar			TEND	DIF	MW	TEND	DIF
	ceal	celpe	total	total	total	ceal	celpe	total	total	total			
1 860915	45.19	43.20	88.39	90.44	-2.05	6.23	5.34	11.57	12.95	-1.38	14.09	14.30	-0.22
2 860916	47.66	43.08	90.74	90.78	-0.04	7.46	5.40	12.86	13.00	-0.14	14.49	14.39	0.10
3 860917	46.01	44.94	90.95	91.11	-0.16	6.15	9.24	15.39	13.05	2.34	14.70	14.47	0.23
4 860918	48.15	44.52	92.67	91.43	1.24	6.71	5.88	12.59	13.10	-0.51	14.70	14.55	0.15
5 860919	48.38	44.70	93.08	91.73	1.35	8.14	5.64	13.78	13.15	0.63	13.17	14.62	-1.45
6 860922	47.21	42.66	89.87	92.01	-2.14	7.58	5.52	13.10	13.20	-0.11	15.12	14.69	0.43
7 860923	48.34	43.68	92.02	92.28	-0.26	7.73	6.60	14.33	13.26	1.07	15.21	14.76	0.45
8 860924	48.90	45.60	94.50	92.53	1.97	7.58	5.70	13.28	13.31	-0.04	15.03	14.83	0.20
9 860925	48.94	45.60	94.54	92.77	1.76	8.06	5.88	13.94	13.36	0.58	15.17	14.89	0.27
10 860926	47.93	46.08	94.01	93.00	1.01	6.68	6.18	12.86	13.42	-0.56	14.96	14.95	0.00
11 860929	47.63	42.84	90.47	93.21	-2.74	6.45	5.46	11.91	13.47	-1.56	15.57	15.01	0.56
12 860930	49.46	42.96	92.42	93.40	-0.98	7.09	6.78	13.87	13.53	0.34	14.54	15.06	-0.53
13 861001	49.73	43.14	92.87	93.58	-0.71	7.13	5.64	12.77	13.58	-0.82	14.75	15.11	-0.37
14 861002	49.13	45.00	94.13	93.74	0.38	8.36	6.96	15.32	13.64	1.68	15.27	15.16	0.11
15 861003	49.35	44.88	94.23	93.89	0.34	7.09	6.78	13.87	13.69	0.17	15.15	15.20	-0.05
16 861006	48.79	44.22	93.01	94.02	-1.01	7.01	5.52	12.53	13.75	-1.22	15.15	15.25	-0.10
17 861007	49.54	45.36	94.90	94.14	0.76	7.09	6.78	13.87	13.81	0.06	15.17	15.28	-0.12
18 861008	49.80	43.50	93.30	94.24	-0.94	7.50	7.38	14.88	13.87	1.01	15.57	15.32	0.25
19 861009	49.46	42.90	92.36	94.33	-1.97	6.68	5.40	12.08	13.92	-1.85	15.27	15.35	-0.08
20 861010	49.50	44.64	94.14	94.40	-0.26	8.21	4.98	13.19	13.98	-0.79	15.50	15.38	0.11
21 861013	49.20	45.54	94.74	94.46	0.28	6.79	6.54	13.33	14.04	-0.71	15.56	15.41	0.15
22 861014	49.99	46.50	96.49	94.50	1.99	6.83	7.80	14.63	14.10	0.52	15.69	15.43	0.26
23 861015	50.74	47.04	97.78	94.53	3.25	8.48	7.86	16.34	14.16	2.17	15.66	15.45	0.21
24 861016	50.81	46.38	97.19	94.54	2.66	6.00	6.78	12.78	14.22	-1.44	15.20	15.47	-0.27
25 861017	49.43	47.34	96.77	94.53	2.23	7.43	7.56	14.99	14.28	0.70	15.20	15.48	-0.28
26 861020	48.86	45.48	94.34	94.51	-0.17	7.24	7.68	14.92	14.34	0.57	15.65	15.49	0.16
27 861021	50.29	46.26	96.55	94.48	2.07	9.53	7.08	16.61	14.41	2.20	15.44	15.50	-0.06
28 861022	48.94	45.78	94.72	94.43	0.29	7.95	6.36	14.31	14.47	-0.16	15.59	15.50	0.08
29 861023	51.00	45.12	96.12	94.37	1.75	8.78	5.58	14.36	14.53	-0.18	15.47	15.50	-0.04
30 861024	50.93	46.20	97.13	94.29	2.84	7.35	7.38	14.73	14.60	0.13	15.72	15.50	0.22
31 861027	48.23	41.22	89.45	94.19	-4.75	7.05	4.80	11.85	14.66	-2.81	15.02	15.50	-0.48
32 861028	49.50	42.06	91.56	94.08	-2.52	6.71	6.96	13.67	14.73	-1.05	15.83	15.49	0.34
33 861029	49.28	43.20	92.48	93.96	-1.48	6.71	6.24	12.95	14.79	-1.84	15.30	15.48	-0.18
34 861030	49.20	43.32	92.52	93.82	-1.30	8.89	5.82	14.71	14.86	-0.15	15.45	15.46	-0.01
35 861031	49.50	39.06	88.56	93.66	-5.10	6.49	4.86	11.35	14.92	-3.58	15.29	15.44	-0.16
36 861103	48.49	43.92	92.41	93.49	-1.08	6.83	11.04	17.87	14.99	2.87	15.66	15.42	0.24
37 861104	48.08	42.96	91.04	93.31	-2.27	6.56	10.98	17.54	15.06	2.48	14.96	15.40	-0.45
38 861105	49.73	43.56	93.29	93.10	0.18	6.53	8.28	14.81	15.13	-0.32	15.32	15.37	-0.06
39 861106	49.50	44.22	93.72	92.89	0.83	6.49	10.02	16.51	15.20	1.31	15.03	15.34	-0.31
40 861107	49.28	43.86	93.14	92.66	0.48	6.45	9.42	15.87	15.27	0.60	15.68	15.31	0.36
41 861110	47.40	43.56	90.96	92.41	-1.45	7.84	7.62	15.46	15.34	0.12	15.20	15.28	-0.08
42 861111	48.38	43.86	92.24	92.15	0.09	7.95	8.10	16.05	15.41	0.64	15.08	15.24	-0.16
43 861112	48.98	44.46	93.44	91.87	1.56	7.54	7.20	14.74	15.48	-0.74	15.24	15.20	0.04
44 861113	49.01	44.64	93.65	91.58	2.07	8.40	7.44	15.84	15.55	0.29	15.42	15.15	0.27
45 861114	48.11	45.12	93.23	91.27	1.96	7.95	7.08	15.03	15.63	-0.60	15.23	15.10	0.12
MEDIA	48.93	44.31	93.25	93.25	0.00	7.33	6.88	14.20	14.21	0.00	15.19	15.19	0.00
DESVIO	*	*	*	*	1.87	*	*	*	*	1.33	*	*	0.33
DESVIO Z	*	*	*	*	2.00	*	*	*	*	9.33	*	*	2.19

TAB A1.3 - Dados diários coletados - Bongí 13.8 e 69 kV

No	Dia	Bongi 13.8 Kv						Bongi 69 Kv 643					
		NW	TEND	DIF	NVAr	TEND	DIF	NW	TEND	DIF	NVAr	TEND	DIF
1	860915	40.69	40.84	-0.15	20.87	21.32	-0.45	168.75	167.03	1.72	39.33	31.74	7.59
2	860916	41.87	41.44	0.43	21.53	21.34	0.19	167.67	168.01	-0.34	20.34	31.61	-11.27
3	860917	41.34	41.64	-0.30	21.71	21.35	0.36	173.25	168.94	4.31	32.76	31.47	1.29
4	860918	41.61	41.74	-0.13	21.71	21.37	0.34	172.44	169.83	2.61	31.41	31.33	0.08
5	860919	41.54	41.80	-0.26	21.71	21.39	0.32	172.62	170.67	1.95	28.35	31.20	-2.85
6	860922	42.33	41.84	0.49	21.71	21.41	0.30	174.04	171.46	2.58	31.95	31.06	0.89
7	860923	43.12	41.87	1.25	21.71	21.43	0.28	160.02	172.21	-12.19	32.67	30.92	1.75
8	860924	42.39	41.89	0.50	20.34	21.44	-1.10	157.86	172.91	-15.05	33.21	30.79	2.42
9	860925	42.20	41.91	0.29	21.71	21.46	0.25	174.04	173.57	0.47	27.99	30.65	-2.66
10	860926	42.00	41.92	0.08	21.71	21.48	0.23	174.04	174.18	-0.14	28.53	30.51	-1.98
11	860929	41.48	41.93	-0.46	21.20	21.50	-0.30	177.75	174.75	3.00	40.77	30.38	10.39
12	860930	40.49	41.94	-1.45	20.48	21.51	-1.04	179.28	175.26	4.02	30.78	30.24	0.54
13	861001	41.61	41.95	-0.34	21.33	21.53	-0.20	175.05	175.74	-0.69	25.11	30.10	-4.99
14	861002	42.00	41.96	0.04	21.53	21.55	-0.02	176.13	176.16	-0.03	22.50	29.97	-7.47
15	861003	41.74	41.96	-0.22	21.59	21.57	0.02	178.20	176.54	1.66	25.20	29.83	-4.63
16	861006	41.74	41.97	-0.23	21.46	21.59	-0.13	176.40	176.88	-0.48	25.65	29.69	-4.04
17	861007	41.61	41.97	-0.36	21.33	21.60	-0.28	178.20	177.17	1.03	34.74	29.56	5.18
18	861008	41.08	41.97	-0.89	21.07	21.62	-0.56	174.60	177.41	-2.81	32.04	29.42	2.62
19	861009	39.05	41.98	-2.93	20.28	21.64	-1.36	180.54	177.60	2.94	25.02	29.28	-4.26
20	861010	42.72	41.98	0.74	22.12	21.66	0.46	181.26	177.75	3.51	29.61	29.14	0.47
21	861013	42.13	41.98	0.15	21.72	21.67	0.05	178.29	177.86	0.43	34.65	29.01	5.64
22	861014	43.12	41.99	1.13	22.58	21.69	0.88	181.71	177.91	3.80	28.44	28.87	-0.43
23	861015	42.79	41.99	0.80	22.51	21.71	0.80	180.81	177.93	2.88	28.80	28.73	0.07
24	861016	42.33	41.99	0.34	22.31	21.73	0.58	180.36	177.89	2.47	25.83	28.60	-2.77
25	861017	42.79	41.99	0.79	22.12	21.75	0.37	181.98	177.81	4.17	34.65	28.46	6.19
26	861020	41.92	42.00	-0.07	21.26	21.76	-0.50	174.04	177.69	-3.64	28.73	28.32	0.41
27	861021	41.92	42.00	-0.07	22.18	21.78	0.40	182.07	177.51	4.56	34.20	28.19	6.01
28	861022	41.92	42.00	-0.07	22.97	21.80	1.17	181.08	177.29	3.79	34.02	28.05	5.97
29	861023	43.38	42.00	1.38	22.71	21.82	0.89	182.07	177.03	5.04	31.95	27.91	4.04
30	861024	43.12	42.00	1.12	22.64	21.84	0.81	181.62	176.72	4.90	29.34	27.78	1.56
31	861027	39.18	42.00	-2.82	20.00	21.85	-1.77	165.60	176.36	-10.76	26.10	27.64	-1.54
32	861028	42.00	42.00	-0.00	21.79	21.87	-0.08	170.46	175.96	-5.50	27.90	27.50	0.40
33	861029	42.13	42.01	0.13	21.79	21.89	-0.10	169.92	175.51	-5.59	27.81	27.37	0.44
34	861030	42.59	42.01	0.58	22.44	21.91	0.54	170.55	175.02	-4.47	20.34	27.23	-6.89
35	861031	41.34	42.01	-0.66	21.33	21.92	-0.60	174.04	174.47	-0.43	30.42	27.09	3.33
36	861103	42.00	42.01	-0.01	21.59	21.94	-0.35	163.62	173.89	-10.27	22.32	26.96	-4.64
37	861104	42.39	42.01	0.39	21.98	21.96	0.02	172.53	173.25	-0.72	23.49	26.82	-3.33
38	861105	42.85	42.01	0.84	22.44	21.98	0.47	172.98	172.58	0.40	24.21	26.68	-2.47
39	861106	42.59	42.01	0.58	22.25	22.00	0.25	172.98	171.85	1.13	23.13	26.55	-3.42
40	861107	41.87	42.01	-0.14	21.66	22.01	-0.36	172.26	171.08	1.18	25.11	26.41	-1.30
41	861110	41.41	42.01	-0.60	21.33	22.03	-0.70	170.10	170.26	-0.16	27.54	26.27	1.27
42	861111	41.41	42.01	-0.60	21.59	22.05	-0.46	171.99	169.40	2.59	27.72	26.13	1.59
43	861112	42.26	42.01	0.25	22.12	22.07	0.05	171.72	168.49	3.23	27.36	26.00	1.36
44	861113	42.46	42.01	0.45	22.31	22.09	0.23	166.95	167.53	-0.58	22.59	25.86	-3.27
45	861114	42.07	42.01	0.05	22.18	22.10	0.08	170.01	166.53	3.48	28.44	25.72	2.72
MEDIA		41.92	41.92	-0.00	21.71	21.71	-0.00	174.04	174.04	0.00	28.73	28.73	0.00
DESVIO		*	*	0.84	*	*	0.60	*	*	4.60	*	*	4.22
DESVIO Z		*	*	2.01	*	*	2.74	*	*	2.64	*	*	14.67

TAB A1.4 - Dados diários coletados - Campina Grande e Currais Novos

No Dia	Campina grande II 69 Kv 644						Currais Novos 69 Kv 653					
	MW	TEND	DIF	MVAr	TEND	DIF	MW	TEND	DIF	MVAr	TEND	DIF
1 860915	80.28	80.90	-0.62	20.70	24.97	-4.27	14.63	14.78	-0.15	3.27	3.86	-0.59
2 860916	83.59	83.12	0.47	27.88	25.16	2.72	14.55	14.73	-0.18	4.73	3.82	0.91
3 860917	85.07	83.86	1.21	30.49	25.33	5.16	14.61	14.68	-0.07	3.51	3.78	-0.27
4 860918	84.35	84.23	0.12	25.13	25.49	-0.36	14.87	14.64	0.22	3.65	3.74	-0.10
5 860919	84.53	84.45	0.08	25.02	25.64	-0.62	15.06	14.60	0.46	3.84	3.70	0.14
6 860922	84.42	84.60	-0.18	25.74	25.79	-0.05	14.46	14.57	-0.11	3.36	3.67	-0.31
7 860923	85.68	84.71	0.97	24.84	25.92	-1.08	14.69	14.54	0.14	3.53	3.64	-0.12
8 860924	84.29	84.78	-0.50	27.07	26.04	1.03	14.90	14.51	0.38	3.81	3.61	0.20
9 860925	84.69	84.85	-0.16	26.57	26.15	0.43	14.51	14.49	0.01	4.47	3.59	0.88
10 860926	86.40	84.90	1.50	26.78	26.25	0.53	15.08	14.47	0.60	3.87	3.57	0.30
11 860929	80.17	84.94	-4.77	23.58	26.34	-2.76	14.31	14.45	-0.14	4.17	3.55	0.62
12 860930	87.05	84.97	2.08	25.97	26.41	-0.45	14.84	14.44	0.39	3.75	3.53	0.22
13 861001	86.40	85.00	1.40	25.79	26.48	-0.70	14.78	14.43	0.34	3.59	3.52	0.07
14 861002	86.69	85.02	1.67	27.02	26.54	0.48	14.96	14.43	0.53	3.78	3.51	0.27
15 861003	85.66	85.04	0.61	25.76	26.59	-0.82	15.11	14.43	0.68	3.83	3.50	0.33
16 861006	82.80	85.06	-2.26	25.56	26.62	-1.06	14.39	14.43	-0.04	3.23	3.49	-0.27
17 861007	84.40	85.08	-0.68	27.65	26.65	1.00	13.23	14.44	-1.21	2.49	3.49	-1.00
18 861008	84.67	85.09	-0.43	26.35	26.67	-0.32	13.43	14.45	-1.02	3.20	3.49	-0.30
19 861009	83.72	85.11	-1.38	25.83	26.67	-0.84	13.62	14.46	-0.84	2.64	3.49	-0.85
20 861010	83.79	85.12	-1.33	25.02	26.66	-1.64	13.73	14.48	-0.75	2.84	3.50	-0.66
21 861013	84.83	85.13	-0.30	26.82	26.65	0.17	14.06	14.50	-0.44	3.03	3.51	-0.48
22 861014	85.48	85.14	0.34	26.73	26.62	0.11	14.13	14.52	-0.39	3.14	3.52	-0.38
23 861015	86.18	85.15	1.03	27.50	26.59	0.91	13.64	14.55	-0.91	2.61	3.53	-0.92
24 861016	86.69	85.15	1.54	27.83	26.54	1.29	13.76	14.58	-0.82	2.96	3.55	-0.59
25 861017	85.97	85.16	0.81	27.00	26.48	0.52	13.95	14.61	-0.66	3.12	3.57	-0.45
26 861020	84.91	85.17	-0.26	25.70	26.41	-0.71	13.89	14.65	-0.76	3.02	3.59	-0.57
27 861021	84.91	85.18	-0.27	25.70	26.33	-0.63	14.33	14.69	-0.37	3.33	3.61	-0.28
28 861022	84.91	85.18	-0.27	25.70	26.24	-0.54	15.14	14.74	0.40	3.87	3.64	0.23
29 861023	84.91	85.19	-0.28	25.70	26.14	-0.44	15.86	14.79	1.07	4.73	3.67	1.05
30 861024	84.91	85.19	-0.29	25.70	26.03	-0.33	16.02	14.84	1.18	4.68	3.70	0.98
31 861027	83.27	85.20	-1.92	26.98	25.91	1.06	15.42	14.90	0.52	4.13	3.74	0.39
32 861028	85.93	85.20	0.73	27.41	25.78	1.62	15.57	14.96	0.61	4.20	3.78	0.42
33 861029	85.39	85.20	0.18	27.88	25.64	2.24	15.74	15.02	0.71	4.43	3.82	0.61
34 861030	85.57	85.21	0.36	24.95	25.49	-0.54	15.99	15.09	0.90	4.59	3.86	0.73
35 861031	85.19	85.21	-0.03	24.86	25.33	-0.46	15.50	15.16	0.33	4.11	3.91	0.20
36 861103	84.67	85.22	-0.55	24.32	25.15	-0.83	15.65	15.24	0.41	4.35	3.96	0.39
37 861104	86.24	85.22	1.02	27.05	24.97	2.08	15.81	15.31	0.50	4.50	4.01	0.49
38 861105	86.31	85.22	1.09	25.94	24.77	1.17	16.11	15.40	0.71	4.68	4.07	0.61
39 861106	86.29	85.23	1.06	25.67	24.57	1.10	15.92	15.48	0.43	4.50	4.12	0.38
40 861107	83.63	85.23	-1.60	24.08	24.35	-0.28	15.51	15.57	-0.06	4.10	4.18	-0.09
41 861110	80.30	85.23	-4.93	19.78	24.13	-4.35	15.29	15.66	-0.38	3.92	4.25	-0.33
42 861111	86.85	85.23	1.62	24.39	23.89	0.50	15.21	15.76	-0.55	3.84	4.31	-0.47
43 861112	87.50	85.24	2.27	24.46	23.65	0.81	15.47	15.86	-0.40	4.20	4.38	-0.18
44 861113	87.28	85.24	2.04	24.35	23.39	0.96	15.56	15.96	-0.41	4.16	4.45	-0.30
45 861114	84.04	85.24	-1.20	21.31	23.12	-1.81	15.09	16.07	-0.98	3.57	4.53	-0.96
MEDIA	84.91	84.91	0.00	25.70	25.70	0.00	14.85	14.85	0.00	3.76	3.76	0.00
DESVIO	*	*	1.49	*	*	1.60	*	*	0.60	*	*	0.54
DESVIO %	*	*	1.76	*	*	6.24	*	*	4.05	*	*	14.34

TAB A1.5 - Dados diários coletados - Goiânia

Goiânia 69 Kv (saelpa e celpe)
647

No Dia	NW			TEND	DIF	Mvar			TEND	DIF
	saelpa	celpe	total			saelpa	celpe	total		
1 860915	0.00	70.02	70.02	71.34	-1.32	0.00	19.08	19.08	20.59	-1.51
2 860916	0.00	70.11	70.11	71.48	-1.37	0.00	19.65	19.65	20.74	-1.09
3 860917	0.00	71.91	71.91	71.62	0.29	0.00	20.10	20.10	20.88	-0.78
4 860918	0.00	73.23	73.23	71.76	1.47	0.00	20.07	20.07	21.03	-0.96
5 860919	0.00	75.60	75.60	71.90	3.70	0.00	27.93	27.93	21.19	6.74
6 860922	0.00	75.30	75.30	72.04	3.26	0.00	23.46	23.46	21.34	2.12
7 860923	0.00	74.55	74.55	72.18	2.37	0.00	21.45	21.45	21.50	-0.05
8 860924	0.00	73.44	73.44	72.33	1.11	0.00	20.31	20.31	21.66	-1.35
9 860925	0.00	74.37	74.37	72.47	1.90	0.00	23.19	23.19	21.82	1.37
10 860926	0.00	76.44	76.44	72.61	3.83	0.00	25.47	25.47	21.98	3.49
11 860929	0.00	69.87	69.87	72.76	-2.89	0.00	17.61	17.61	22.15	-4.54
12 860930	0.00	72.63	72.63	72.90	-0.27	0.00	19.50	19.50	22.32	-2.82
13 861001	0.00	70.02	70.02	73.05	-3.03	0.00	21.93	21.93	22.49	-0.56
14 861002	0.00	69.72	69.72	73.19	-3.47	0.00	18.57	18.57	22.66	-4.09
15 861003	0.00	72.39	72.39	73.34	-0.95	0.00	24.12	24.12	22.84	1.28
16 861006	0.00	71.28	71.28	73.49	-2.21	0.00	22.62	22.62	23.02	-0.40
17 861007	0.00	69.06	69.06	73.64	-4.58	0.00	23.28	23.28	23.20	0.08
18 861008	0.00	68.07	68.07	73.78	-5.71	0.00	21.33	21.33	23.39	-2.06
19 861009	0.00	71.19	71.19	73.93	-2.74	0.00	22.02	22.02	23.58	-1.56
20 861010	0.00	75.78	75.78	74.08	1.70	0.00	26.34	26.34	23.77	2.57
21 861013	0.00	72.45	72.45	74.23	-1.78	0.00	26.67	26.67	23.96	2.71
22 861014	0.00	77.70	77.70	74.38	3.32	0.00	29.91	29.91	24.16	5.75
23 861015	0.00	77.97	77.97	74.54	3.43	0.00	28.08	28.08	24.36	3.72
24 861016	0.00	78.78	78.78	74.69	4.09	0.00	29.25	29.25	24.56	4.69
25 861017	0.00	78.45	78.45	74.84	3.61	0.00	26.43	26.43	24.77	1.66
26 861020	0.00	73.50	73.50	74.99	-1.49	0.00	22.47	22.47	24.98	-2.51
27 861021	0.00	73.29	73.29	75.15	-1.86	0.00	20.19	20.19	25.20	-5.01
28 861022	0.00	77.28	77.28	75.30	1.98	0.00	25.47	25.47	25.42	0.05
29 861023	0.00	77.55	77.55	75.46	2.09	0.00	22.38	22.38	25.64	-3.26
30 861024	0.00	70.80	70.80	75.61	-4.81	0.00	20.64	20.64	25.87	-5.23
31 861027	0.00	74.67	74.67	75.77	-1.10	0.00	25.08	25.08	26.10	-1.02
32 861028	0.00	75.36	75.36	75.93	-0.57	0.00	24.48	24.48	26.33	-1.85
33 861029	0.00	77.10	77.10	76.09	1.01	0.00	25.41	25.41	26.57	-1.16
34 861030	0.00	76.11	76.11	76.24	-0.13	0.00	26.34	26.34	26.82	-0.48
35 861031	0.00	75.78	75.78	76.40	-0.62	0.00	27.99	27.99	27.06	0.93
36 861103	0.00	73.62	73.62	76.56	-2.94	0.00	27.00	27.00	27.32	-0.32
37 861104	0.00	76.98	76.98	76.72	0.26	0.00	28.20	28.20	27.57	0.63
38 861105	0.00	76.71	76.71	76.89	-0.18	0.00	28.20	28.20	27.84	0.36
39 861106	0.00	78.24	78.24	77.05	1.19	0.00	31.41	31.41	28.10	3.31
40 861107	0.00	79.23	79.23	77.21	2.02	0.00	33.45	33.45	28.38	5.07
41 861110	0.00	74.55	74.55	77.37	-2.82	0.00	25.14	25.14	28.65	-3.51
42 861111	0.00	76.92	76.92	77.54	-0.62	0.00	27.24	27.24	28.94	-1.70
43 861112	0.00	79.08	79.08	77.70	1.38	0.00	29.01	29.01	29.23	-0.22
44 861113	0.00	78.99	78.99	77.87	1.12	0.00	30.18	30.18	29.52	0.66
45 861114	0.00	80.40	80.40	78.03	2.37	0.00	30.72	30.72	29.82	0.90
MEDIA	0.00	74.59	74.59	74.59	0.00	0.00	24.65	24.65	24.65	0.00
DESVIO	*	*	*	*	2.50	*	*	*	*	2.75
DESVIO %	*	*	*	*	3.36	*	*	*	*	11.16

TAB A1.6 - Dados diários coletados - Mussurê e Mirueira

No Dia	Mussurê 69 kv 648						Mirueira 69 Kv 650					
	MW	TEND	DIF	MVar	TEND	DIF	MW	TEND	DIF	MVar	TEND	DIF
1 860915	103.74	105.53	-1.79	31.14	31.71	-0.57	221.54	224.06	-2.52	65.75	66.61	-0.86
2 860916	108.24	108.62	-0.38	34.14	33.86	0.28	227.03	224.88	2.14	66.65	66.56	0.09
3 860917	111.00	109.65	1.35	34.68	34.58	0.10	229.28	225.65	3.62	68.13	66.52	1.61
4 860918	111.78	110.17	1.61	39.12	34.94	4.18	227.07	226.38	0.69	67.32	66.49	0.83
5 860919	111.42	110.48	0.94	35.22	35.15	0.07	226.49	227.05	-0.57	70.43	66.48	3.94
6 860922	109.26	110.68	-1.42	30.24	35.30	-5.06	228.78	227.68	1.10	63.00	66.48	-3.48
7 860923	113.82	110.83	2.99	38.82	35.40	3.42	233.06	228.26	4.80	65.84	66.50	-0.66
8 860924	112.08	110.94	1.14	34.44	35.48	-1.04	231.44	228.79	2.65	69.53	66.53	3.00
9 860925	114.54	111.03	3.51	36.66	35.54	1.12	232.83	229.27	3.56	66.69	66.57	0.12
10 860926	114.42	111.10	3.32	39.30	35.58	3.72	228.65	229.70	-1.05	71.42	66.63	4.78
11 860929	109.50	111.15	-1.65	31.02	35.62	-4.60	226.94	230.08	-3.14	67.59	66.70	0.89
12 860930	114.48	111.20	3.28	36.72	35.65	1.07	226.22	230.41	-4.20	60.62	66.79	-6.17
13 861001	114.36	111.24	3.12	33.84	35.68	-1.84	228.51	230.70	-2.19	65.93	66.89	-0.96
14 861002	114.84	111.27	3.57	35.10	35.71	-0.61	231.66	230.93	0.73	65.30	67.00	-1.70
15 861003	112.14	111.30	0.84	33.42	35.73	-2.31	223.70	231.12	-7.43	64.53	67.13	-2.60
16 861006	112.32	111.33	0.99	36.42	35.74	0.68	227.70	231.26	-3.56	65.70	67.27	-1.57
17 861007	106.20	111.35	-5.15	30.54	35.76	-5.22	231.89	231.35	0.54	65.03	67.42	-2.40
18 861008	110.40	111.37	-0.97	37.32	35.77	1.55	229.05	231.39	-2.34	71.96	67.59	4.37
19 861009	105.60	111.39	-5.79	33.48	35.79	-2.31	232.65	231.38	1.27	69.89	67.77	2.11
20 861010	112.02	111.41	0.61	38.22	35.80	2.42	231.21	231.32	-0.11	66.29	67.97	-1.68
21 861013	111.12	111.42	-0.30	34.44	35.81	-1.37	227.30	231.22	-3.92	64.26	68.18	-3.92
22 861014	115.62	111.43	4.19	39.18	35.82	3.36	216.23	231.06	-14.84	68.04	68.40	-0.36
23 861015	112.14	111.45	0.69	37.80	35.83	1.97	217.49	230.86	-13.38	69.12	68.64	0.48
24 861016	108.84	111.46	-2.62	34.32	35.83	-1.51	233.33	230.61	2.72	68.04	68.89	-0.85
25 861017	111.54	111.47	0.07	36.84	35.84	1.00	235.62	230.31	5.31	68.45	69.15	-0.71
26 861020	109.56	111.48	-1.92	36.18	35.85	0.33	231.89	229.96	1.93	63.68	69.43	-5.76
27 861021	112.32	111.49	0.83	34.92	35.85	-0.93	237.65	229.56	8.09	67.46	69.72	-2.27
28 861022	108.54	111.49	-2.95	32.52	35.86	-3.34	238.10	229.11	8.98	69.03	70.03	-1.00
29 861023	114.24	111.50	2.74	36.30	35.87	0.43	240.93	228.62	12.31	71.37	70.35	1.02
30 861024	114.36	111.51	2.85	36.18	35.87	0.31	239.76	228.07	11.69	73.89	70.68	3.21
31 861027	107.64	111.51	-3.87	36.06	35.87	0.19	227.93	227.48	0.45	67.91	71.03	-3.13
32 861028	112.68	111.52	1.16	35.82	35.88	-0.06	234.23	226.83	7.39	76.77	71.39	5.38
33 861029	112.14	111.53	0.61	35.70	35.88	-0.18	234.45	226.14	8.31	77.27	71.77	5.50
34 861030	112.62	111.53	1.09	36.42	35.89	0.53	215.91	225.40	-9.49	78.21	72.16	6.05
35 861031	108.60	111.54	-2.94	34.92	35.89	-0.97	214.97	224.61	-9.65	78.93	72.56	6.37
36 861103	109.14	111.54	-2.40	37.86	35.89	1.97	231.84	223.78	8.06	71.82	72.98	-1.16
37 861104	113.04	111.55	1.49	40.32	35.90	4.42	216.32	222.89	-6.58	74.03	73.41	0.62
38 861105	113.40	111.55	1.85	38.76	35.90	2.86	214.70	221.96	-7.26	75.33	73.85	1.48
39 861106	111.48	111.56	-0.08	37.02	35.90	1.12	217.44	220.97	-3.53	70.74	74.31	-3.57
40 861107	108.66	111.56	-2.90	35.52	35.91	-0.39	214.47	219.94	-5.47	71.69	74.78	-3.10
41 861110	110.22	111.56	-1.34	35.64	35.91	-0.27	226.44	218.86	7.58	78.12	75.27	2.85
42 861111	108.66	111.57	-2.91	33.78	35.91	-2.13	213.44	217.73	-4.29	74.66	75.77	-1.11
43 861112	111.12	111.57	-0.45	34.20	35.91	-1.71	215.33	216.55	-1.22	75.60	76.28	-0.68
44 861113	110.58	111.57	-0.99	34.80	35.92	-1.12	217.85	215.32	2.53	73.35	76.81	-3.46
45 861114	109.56	111.58	-2.02	36.36	35.92	0.44	214.20	214.04	0.16	75.69	77.35	-1.66
MEDIA	111.11	111.11	0.00	35.59	35.59	0.00	226.74	226.74	0.00	69.80	69.80	0.00
DESVIO	*	*	2.40	*	*	2.21	*	*	6.07	*	*	3.03
DESVIO %	*	*	2.16	*	*	6.21	*	*	2.68	*	*	4.34

TAB A1.7 - Dados diários coletados - Mossoró e Natal

No Dia	Mossoro 69 Kv 624						Natal 69 Kv 646					
	MW	TEND	DIF	MVar	TEND	DIF	MW	TEND	DIF	MVar	TEND	DIF
1 860915	32.83	32.70	0.13				120.06	121.98	-1.92	31.41	45.34	-13.93
2 860916	34.24	32.75	1.49				117.93	122.32	-4.39	40.80	44.96	-4.16
3 860917	34.61	32.79	1.81				122.82	122.65	0.17	46.59	44.57	2.02
4 860918	34.91	32.84	2.07				122.85	122.97	-0.12	50.82	44.19	6.63
5 860919	34.48	32.89	1.59				122.88	123.26	-0.38	50.25	43.81	6.44
6 860922	35.66	32.94	2.72				123.72	123.54	0.18	48.81	43.43	5.38
7 860923	35.57	32.99	2.59				122.61	123.80	-1.19	57.81	43.06	14.75
8 860924	34.94	33.04	1.90				122.52	124.05	-1.53	41.64	42.69	-1.05
9 860925	35.03	33.08	1.94				126.33	124.28	2.05	42.87	42.32	0.55
10 860926	34.80	33.13	1.67				126.99	124.49	2.50	40.26	41.96	-1.70
11 860929	34.73	33.18	1.55				126.51	124.68	1.83	35.55	41.60	-6.05
12 860930	25.94	33.23	-7.30				126.42	124.86	1.56	41.70	41.24	0.46
13 861001	26.45	33.28	-6.83				129.03	125.02	4.01	43.08	40.89	2.19
14 861002	26.84	33.33	-6.49				128.22	125.16	3.06	34.86	40.54	-5.68
15 861003	27.03	33.38	-6.35				124.65	125.29	-0.64	39.63	40.19	-0.56
16 861006	25.52	33.43	-7.91				125.43	125.39	0.04	42.45	39.85	2.60
17 861007	35.84	33.48	2.36				126.60	125.49	1.11	33.09	39.50	-6.41
18 861008	35.42	33.53	1.90				126.24	125.56	0.68	37.14	39.17	-2.03
19 861009	30.74	33.58	-2.84				124.83	125.62	-0.79	39.57	38.83	0.74
20 861010	35.66	33.63	2.03				124.29	125.66	-1.37	37.38	38.50	-1.12
21 861013	35.51	33.68	1.83				125.37	125.68	-0.31	33.39	38.17	-4.78
22 861014	25.79	33.73	-7.94				126.15	125.69	0.46	32.82	37.84	-5.02
23 861015	35.95	33.78	2.17				126.33	125.68	0.65	32.43	37.51	-5.08
24 861016	36.89	33.83	3.06				129.33	125.65	3.68	42.21	37.19	5.02
25 861017	37.04	33.88	3.15				127.32	125.60	1.72	35.46	36.87	-1.41
26 861020	32.13	33.93	-1.80				122.04	125.54	-3.50	33.51	36.56	-3.05
27 861021	36.05	33.98	2.06				130.38	125.46	4.92	41.76	36.24	5.52
28 861022	36.74	34.03	2.71				127.50	125.37	2.13	37.98	35.93	2.05
29 861023	36.91	34.09	2.82				128.73	125.25	3.48	38.82	35.62	3.20
30 861024	37.43	34.14	3.29				114.69	125.12	-10.43	34.80	35.32	-0.52
31 861027	34.35	34.19	0.16				116.07	124.98	-8.91	39.42	35.02	4.40
32 861028	34.75	34.24	0.51				123.81	124.81	-1.00	35.82	34.72	1.10
33 861029	34.86	34.29	0.57				125.01	124.63	0.38	36.00	34.42	1.58
34 861030	35.05	34.35	0.70				124.24	124.43	-0.19	37.75	34.12	3.63
35 861031	35.59	34.40	1.19				123.15	124.22	-1.07	37.38	33.83	3.55
36 861103	35.49	34.45	1.04				122.07	123.99	-1.92	33.78	33.54	0.24
37 861104	34.82	34.50	0.32				125.82	123.74	2.08	30.39	33.25	-2.86
38 861105	36.58	34.56	2.02				117.57	123.47	-5.90	28.77	32.97	-4.20
39 861106	37.20	34.61	2.59				122.16	123.19	-1.03	33.66	32.68	0.98
40 861107	35.68	34.66	1.01				121.47	122.89	-1.42	31.26	32.40	-1.14
41 861110	35.96	34.72	1.24				124.20	122.57	1.63	30.00	32.12	-2.12
42 861111	28.89	34.77	-5.88				123.99	122.24	1.75	32.19	31.85	0.34
43 861112	28.94	34.82	-5.88				124.26	121.88	2.38	31.68	31.58	0.10
44 861113	36.15	34.88	1.27				125.49	121.52	3.97	33.78	31.30	2.48
45 861114	34.64	34.93	-0.29				122.70	121.13	1.57	27.96	31.04	-3.08
MEDIA	33.79	33.79	0.00				124.24	124.24	0.00	37.75	37.75	0.00
DESVIO	*	*	3.39	*	*		*	*	3.02	*	*	4.55
DESVIO %	*	*	10.03	*	*		*	*	2.43	*	*	12.06

TAB A1.8 - Dados diários coletados - Pirapama e Russas

Pirapama 69 KV 649							Russas 69 Kv 623		
No Dia	MW	TEND	DIF	MVar	TEND	DIF	MW	TEND	DIF
1 860915	118.53	121.61	-3.08	27.99	23.62	4.37	12.81	13.09	-0.28
2 860916	125.15	124.79	0.36	25.61	24.38	1.22	13.16	13.11	0.05
3 860917	129.51	126.68	2.83	27.54	25.11	2.43	13.31	13.12	0.18
4 860918	128.79	128.05	0.74	26.78	25.80	0.97	12.74	13.14	-0.40
5 860919	132.48	129.12	3.36	27.99	26.46	1.53	13.67	13.15	0.51
6 860922	132.30	130.00	2.30	26.15	27.09	-0.95	13.52	13.16	0.35
7 860923	128.97	130.74	-1.77	28.76	27.69	1.07	13.31	13.18	0.13
8 860924	136.94	131.39	5.54	23.00	28.25	-5.26	13.25	13.19	0.05
9 860925	137.34	131.97	5.37	28.13	28.78	-0.66	12.96	13.21	-0.25
10 860926	138.74	132.49	6.24	35.73	29.28	6.45	12.98	13.22	-0.25
11 860929	119.43	132.96	-13.53	23.58	29.74	-6.16	13.04	13.24	-0.20
12 860930	131.22	133.39	-2.17	27.09	30.17	-3.08	13.53	13.25	0.28
13 861001	132.93	133.79	-0.86	29.12	30.57	-1.46	13.46	13.27	0.19
14 861002	138.02	134.16	3.85	32.04	30.94	1.10	13.65	13.28	0.37
15 861003	137.79	134.51	3.28	29.30	31.27	-1.98	13.11	13.30	-0.19
16 861006	112.91	134.83	-21.92	25.38	31.57	-6.19	13.07	13.31	-0.25
17 861007	135.59	135.13	0.45	28.80	31.84	-3.04	13.29	13.32	-0.03
18 861008	130.14	135.42	-5.28	31.32	32.08	-0.76	13.46	13.34	0.12
19 861009	128.12	135.69	-7.58	27.54	32.28	-4.74	13.64	13.35	0.28
20 861010	137.66	135.95	1.70	30.02	32.45	-2.43	13.25	13.37	-0.12
21 861013	135.45	136.20	-0.75	30.87	32.59	-1.72	12.62	13.38	-0.77
22 861014	137.75	136.44	1.31	34.07	32.69	1.37	12.38	13.40	-1.02
23 861015	136.40	136.66	-0.27	34.02	32.76	1.26	13.44	13.41	0.03
24 861016	138.42	136.88	1.54	34.79	32.80	1.98	13.83	13.43	0.40
25 861017	136.08	137.09	-1.01	35.37	32.81	2.56	13.71	13.44	0.27
26 861020	138.51	137.29	1.22	33.03	32.78	0.25	13.88	13.46	0.42
27 861021	140.54	137.48	3.05	32.90	32.72	0.18	13.22	13.47	-0.26
28 861022	140.81	137.67	3.14	34.07	32.63	1.44	13.74	13.49	0.25
29 861023	143.64	137.85	5.79	34.70	32.50	2.19	14.12	13.50	0.61
30 861024	144.54	138.02	6.52	37.53	32.34	5.19	13.83	13.52	0.31
31 861027	139.46	138.19	1.27	35.60	32.15	3.44	13.56	13.53	0.03
32 861028	140.90	138.35	2.54	33.17	31.93	1.23	13.10	13.55	-0.45
33 861029	140.31	138.51	1.80	36.41	31.67	4.73	13.68	13.56	0.12
34 861030	139.77	138.67	1.10	36.72	31.38	5.34	13.04	13.58	-0.55
35 861031	165.11	138.82	26.29	34.20	31.06	3.14	13.22	13.60	-0.38
36 861103	130.28	138.96	-8.69	27.14	30.71	-3.57	13.41	13.61	-0.20
37 861104	131.76	139.10	-7.34	26.46	30.32	-3.86	13.02	13.63	-0.61
38 861105	131.58	139.24	-7.66	32.58	29.90	2.68	13.88	13.64	0.23
39 861106	128.97	139.38	-10.41	26.46	29.45	-2.99	13.92	13.66	0.26
40 861107	142.11	139.51	2.60	33.30	28.96	4.34	13.92	13.67	0.25
41 861110	132.35	139.64	-7.29	22.32	28.44	-6.12	13.65	13.69	-0.04
42 861111	140.85	139.76	1.09	27.27	27.89	-0.62	14.16	13.70	0.46
43 861112	138.02	139.88	-1.87	23.81	27.31	-3.51	13.86	13.72	0.14
44 861113	144.63	140.00	4.63	26.96	26.69	0.26	13.79	13.73	0.05
45 861114	141.57	140.12	1.45	24.44	26.04	-1.61	13.56	13.75	-0.19
MEDIA	135.38	135.39	0.00	30.00	30.00	0.00	13.41	13.42	0.00
DESVIO	*	*	6.85	*	*	3.24	*	*	0.35
DESVIO Z	*	*	5.06	*	*	10.81	*	*	2.60

AB A1.9 - Dados diários coletados - Tacaimbó

Tacaimbó 69 Kv
655

No Dia	KW	TEND	DIF	MVar	TEND	DIF
1 860915	38.79	39.53	-0.74	6.15	5.02	1.13
2 860916	43.50	42.12	1.38	4.83	5.16	-0.33
3 860917	42.45	42.98	-0.53	4.83	5.24	-0.41
4 860918	44.04	43.41	0.63	5.28	5.29	-0.02
5 860919	43.98	43.67	0.31	4.68	5.34	-0.66
6 860922	44.01	43.84	0.17	4.82	5.38	-0.55
7 860923	43.92	43.97	-0.05	4.85	5.41	-0.55
8 860924	44.07	44.06	0.01	5.42	5.43	-0.01
9 860925	44.28	44.13	0.15	5.24	5.46	-0.22
10 860926	44.64	44.19	0.45	5.02	5.48	-0.46
11 860929	44.04	44.23	-0.19	4.81	5.50	-0.69
12 860930	43.86	44.27	-0.41	5.61	5.52	0.09
13 861001	44.52	44.31	0.21	6.21	5.54	0.67
14 861002	45.69	44.34	1.35	7.08	5.55	1.53
15 861003	44.97	44.36	0.61	6.39	5.57	0.82
16 861006	44.04	44.38	-0.34	5.49	5.58	-0.09
17 861007	44.28	44.40	-0.12	5.79	5.59	0.20
18 861008	43.98	44.42	-0.44	5.64	5.60	0.04
19 861009	44.07	44.43	-0.36	6.00	5.62	0.38
20 861010	44.31	44.45	-0.14	4.41	5.63	-1.22
21 861013	43.68	44.46	-0.78	5.07	5.64	-0.57
22 861014	44.28	44.47	-0.19	6.00	5.65	0.35
23 861015	44.25	44.48	-0.23	6.00	5.66	0.34
24 861016	44.13	44.49	-0.36	6.39	5.66	0.73
25 861017	44.10	44.50	-0.40	6.15	5.67	0.48
26 861020	43.26	44.51	-1.25	5.40	5.68	-0.28
27 861021	45.12	44.51	0.61	6.90	5.69	1.21
28 861022	45.15	44.52	0.63	6.45	5.70	0.75
29 861023	45.84	44.53	1.31	6.72	5.71	1.01
30 861024	45.72	44.53	1.19	6.57	5.71	0.86
31 861027	41.91	44.54	-2.63	3.69	5.72	-2.03
32 861028	44.46	44.54	-0.08	5.40	5.73	-0.33
33 861029	43.26	44.55	-1.29	4.08	5.73	-1.65
34 861030	44.64	44.55	0.09	5.34	5.74	-0.40
35 861031	44.13	44.56	-0.43	4.32	5.75	-1.43
36 861103	43.59	44.56	-0.97	4.20	5.75	-1.55
37 861104	44.25	44.57	-0.32	5.64	5.76	-0.12
38 861105	44.52	44.57	-0.05	5.88	5.76	0.12
39 861106	44.52	44.57	-0.05	6.27	5.77	0.50
40 861107	45.12	44.58	0.54	6.66	5.78	0.88
41 861110	44.70	44.58	0.12	6.30	5.78	0.52
42 861111	45.30	44.58	0.72	7.26	5.79	1.47
43 861112	45.12	44.59	0.53	5.34	5.79	-0.45
44 861113	46.17	44.59	1.58	6.45	5.80	0.65
45 861114	44.34	44.59	-0.25	5.07	5.80	-0.73
MEDIA	44.20	44.20	0.00	5.60	5.60	0.00
DESVIO	"	"	0.77	"	"	0.82
DESVIO %	"	"	1.73	"	"	14.55

TAB A1.10 - Dados diários coletados - Santana Matos e Santa Cruz

Santana dos Matos 69 Kv 652							Santa Cruz II 69 Kv 645					
No Dia	NW	TEND	DIF	MVAR	TEND	DIF	NW	TEND	DIF	MVAR	TEND	DIF
1 860915	1.70	1.73	-0.02	0.00	0.00	0.00	3.75	3.73	0.02	0.00	0.03	-0.03
2 860916	1.75	1.73	0.02	0.00	0.00	0.00	3.71	3.75	-0.04	0.00	0.03	-0.03
3 860917	1.72	1.73	-0.01	0.00	0.00	0.00	3.77	3.77	0.00	0.00	0.04	-0.04
4 860918	1.74	1.73	0.01	0.00	0.00	0.00	3.73	3.78	-0.04	0.00	0.04	-0.04
5 860919	1.82	1.73	0.08	0.02	0.00	0.02	3.74	3.78	-0.04	0.27	0.04	0.23
6 860922	1.75	1.74	0.02	0.01	0.00	0.00	3.77	3.79	-0.02	0.00	0.04	-0.04
7 860923	1.74	1.74	0.00	0.00	0.00	0.00	3.76	3.80	-0.04	0.09	0.04	0.05
8 860924	1.70	1.74	-0.04	0.00	0.01	0.00	3.72	3.80	-0.08	0.00	0.04	-0.04
9 860925	1.72	1.74	-0.02	0.00	0.01	-0.01	3.82	3.80	0.02	0.00	0.05	-0.05
10 860926	1.76	1.74	0.02	0.00	0.01	0.00	3.97	3.81	0.16	0.00	0.05	-0.05
11 860929	1.72	1.75	-0.02	0.01	0.01	0.00	3.80	3.81	-0.01	0.33	0.05	0.28
12 860930	1.77	1.75	0.03	0.03	0.01	0.02	3.92	3.81	0.11	0.00	0.05	-0.05
13 861001	1.70	1.75	-0.05	0.01	0.01	0.00	3.89	3.82	0.07	0.07	0.05	0.02
14 861002	1.71	1.75	-0.04	0.00	0.01	-0.01	3.87	3.82	0.05	0.00	0.05	-0.05
15 861003	1.78	1.75	0.02	0.03	0.01	0.02	3.87	3.82	0.05	0.00	0.05	-0.05
16 861006	1.71	1.76	-0.04	0.00	0.01	-0.01	3.83	3.82	0.00	0.00	0.06	-0.06
17 861007	1.75	1.76	-0.01	0.00	0.01	-0.01	3.76	3.83	-0.07	0.20	0.06	0.14
18 861008	1.80	1.76	0.04	0.03	0.01	0.02	3.76	3.83	-0.07	0.26	0.06	0.20
19 861009	1.77	1.76	0.01	0.00	0.01	-0.01	3.92	3.83	0.09	0.14	0.06	0.08
20 861010	1.80	1.76	0.04	0.03	0.01	0.01	3.88	3.83	0.04	0.00	0.06	-0.06
21 861013	1.72	1.77	-0.05	0.00	0.02	-0.01	3.80	3.83	-0.03	0.00	0.06	-0.06
22 861014	1.69	1.77	-0.08	0.00	0.02	-0.02	3.88	3.84	0.05	0.00	0.06	-0.06
23 861015	1.77	1.77	0.00	0.02	0.02	0.00	3.88	3.84	0.05	0.00	0.07	-0.07
24 861016	1.75	1.77	-0.02	0.00	0.02	-0.01	3.88	3.84	0.04	0.00	0.07	-0.07
25 861017	1.75	1.77	-0.02	0.01	0.02	0.00	3.83	3.84	-0.01	0.01	0.07	-0.06
26 861020	1.82	1.78	0.04	0.04	0.02	0.02	3.87	3.84	0.03	0.00	0.07	-0.07
27 861021	1.76	1.78	-0.02	0.01	0.02	-0.01	3.81	3.84	-0.03	0.00	0.07	-0.07
28 861022	1.87	1.78	0.09	0.03	0.02	0.01	3.78	3.84	-0.07	0.26	0.07	0.19
29 861023	1.90	1.78	0.12	0.05	0.02	0.03	3.97	3.85	0.12	0.00	0.07	-0.07
30 861024	1.73	1.78	-0.05	0.00	0.02	-0.02	3.92	3.85	0.08	0.00	0.08	-0.08
31 861027	1.87	1.78	0.08	0.04	0.02	0.02	3.52	3.85	-0.33	0.00	0.08	-0.08
32 861028	1.88	1.79	0.09	0.03	0.02	0.01	3.63	3.85	-0.22	0.00	0.08	-0.08
33 861029	1.83	1.79	0.05	0.01	0.02	-0.01	3.64	3.85	-0.21	0.00	0.08	-0.08
34 861030	1.68	1.79	-0.11	0.00	0.03	-0.03	3.64	3.85	-0.21	0.27	0.08	0.18
35 861031	1.74	1.79	-0.06	0.01	0.03	-0.02	3.89	3.85	0.04	0.00	0.08	-0.08
36 861103	1.77	1.79	-0.02	0.02	0.03	0.00	3.97	3.85	0.12	0.00	0.09	-0.09
37 861104	1.80	1.80	0.00	0.06	0.03	0.04	3.88	3.85	0.02	0.00	0.09	-0.09
38 861105	1.75	1.80	-0.05	0.03	0.03	0.00	3.93	3.85	0.08	0.00	0.09	-0.09
39 861106	1.79	1.80	-0.01	0.03	0.03	0.00	3.91	3.86	0.05	0.00	0.09	-0.09
40 861107	1.78	1.80	-0.02	0.02	0.03	-0.01	3.91	3.86	0.06	0.39	0.09	0.30
41 861110	1.79	1.80	-0.01	0.04	0.03	0.01	4.15	3.86	0.29	0.00	0.09	-0.09
42 861111	1.77	1.81	-0.04	0.03	0.03	0.00	4.01	3.86	0.15	0.00	0.09	-0.09
43 861112	1.81	1.81	0.00	0.04	0.03	0.00	3.96	3.86	0.10	0.00	0.10	-0.10
44 861113	1.84	1.81	0.03	0.04	0.03	0.01	3.93	3.86	0.07	0.38	0.10	0.28
45 861114	1.85	1.81	0.04	0.03	0.03	-0.01	3.43	3.86	-0.43	0.29	0.10	0.19
MEDIA	1.77	1.77	0.00	0.02	0.02	0.00	3.83	3.83	0.00	0.07	0.07	0.00
DESVIO	*	*	0.05	*	*	0.01	*	*	0.12	*	*	0.12
DESVIO %	*	*	2.63	*	*	77.28	*	*	3.25	*	*	180.30

TAB A1.11 - Dados diários coletados - Coberbo

Coberbo 230 Kv (Pirapama)						
249						
No Dia	MW	TEND	DIF	MVar	TEND	DIF
1 870915	9.12	9.71	-0.59	5.57	5.95	-0.39
2 870916	9.95	9.63	0.32	6.10	5.89	0.20
3 870917	9.12	9.56	-0.44	5.47	5.84	-0.36
4 870918	10.07	9.49	0.58	6.28	5.78	0.50
5 870921	9.93	9.42	0.51	5.96	5.73	0.23
6 870922	9.10	9.35	-0.25	5.66	5.68	-0.02
7 870923	9.22	9.29	-0.08	5.70	5.64	0.07
8 870924	9.58	9.23	0.35	5.96	5.59	0.36
9 870925	9.95	9.18	0.77	6.00	5.55	0.45
10 870928	9.72	9.13	0.59	5.80	5.52	0.28
11 870929	8.89	9.08	-0.19	5.24	5.48	-0.24
12 870930	9.01	9.04	-0.03	5.24	5.45	-0.21
13 871001	9.10	9.00	0.10	5.52	5.42	0.10
14 871002	9.03	8.96	0.07	5.33	5.40	-0.06
15 871005	8.13	8.93	-0.80	4.90	5.38	-0.48
16 871006	7.04	8.90	-1.86	4.20	5.36	-1.15
17 871007	8.18	8.88	-0.70	5.03	5.34	-0.31
18 871008	8.87	8.86	0.01	5.29	5.33	-0.04
19 871009	9.12	8.84	0.28	5.20	5.32	-0.12
20 871013	9.12	8.83	0.30	5.54	5.31	0.23
21 871014	9.91	8.82	1.09	6.10	5.30	0.79
22 871015	9.33	8.81	0.52	5.75	5.30	0.45
23 871016	9.98	8.81	1.17	6.30	5.30	1.00
24 871019	9.33	8.81	0.52	5.82	5.31	0.51
25 871020	7.00	8.81	-1.81	4.11	5.31	-1.20
26 871021	6.56	8.82	-2.26	3.33	5.32	-2.00
27 871022	8.18	8.83	-0.66	4.99	5.33	-0.35
28 871023	8.04	8.85	-0.81	4.97	5.35	-0.38
29 871026	9.24	8.86	0.37	5.68	5.37	0.31
30 871027	8.96	8.89	0.07	5.20	5.39	-0.19
31 871028	10.32	8.91	1.41	6.40	5.41	0.98
32 871029	9.03	8.94	0.09	5.47	5.44	0.03
33 871030	8.96	8.98	-0.02	5.43	5.47	-0.04
34 871103	9.54	9.01	0.52	5.96	5.50	0.45
35 871104	9.68	9.05	0.62	5.89	5.54	0.35
36 871105	9.70	9.10	0.60	6.03	5.58	0.45
37 871106	9.86	9.15	0.71	6.03	5.62	0.41
38 871109	9.70	9.20	0.50	6.14	5.66	0.48
39 871110	10.12	9.25	0.86	6.35	5.71	0.64
40 871111	10.05	9.31	0.73	6.33	5.76	0.57
41 871112	8.29	9.37	-1.08	5.13	5.81	-0.69
42 871113	7.32	9.44	-2.12	4.23	5.87	-1.64
MEDIA	9.08	9.08	0.00	5.51	5.51	0.00
DESVIO	"	"	0.83	"	"	0.63
DESVIO %	"	"	9.41	"	"	11.41

TAB A1.12 - Dados diários coletados - Rio Largo e Salgema

Rio Largo 69 Kv 642							Salgema 230 Kv 242					
No Dia	KW	TEND	DIF	MVar	TEND	DIF	KW	TEND	DIF	MVar	TEND	DIF
1 870915	122.31	121.79	0.52	45.90	42.58	3.32	107.37	107.19	0.18	69.18	67.54	1.64
2 870916	125.64	122.19	3.45	43.92	42.65	1.27	107.28	107.15	0.13	69.09	67.47	1.62
3 870917	123.21	122.57	0.64	41.54	42.71	-1.18	106.71	107.11	-0.40	65.19	67.42	-2.23
4 870918	123.17	122.94	0.22	44.06	42.78	1.28	106.89	107.08	-0.19	66.69	67.36	-0.67
5 870921	122.27	123.30	-1.03	41.63	42.85	-1.22	107.41	107.05	0.35	67.50	67.31	0.19
6 870922	127.31	123.63	3.67	45.99	42.91	3.08	107.52	107.03	0.49	66.96	67.26	-0.30
7 870923	121.46	123.95	-2.50	41.13	42.98	-1.85	107.40	107.01	0.39	67.83	67.22	0.61
8 870924	120.69	124.26	-3.57	37.89	43.04	-5.15	107.61	106.99	0.62	66.81	67.19	-0.38
9 870925	123.89	124.55	-0.66	40.50	43.11	-2.61	107.31	106.98	0.33	68.19	67.16	1.03
10 870928	119.61	124.82	-5.21	38.66	43.17	-4.52	107.55	106.97	0.58	68.01	67.13	0.88
11 870929	124.61	125.08	-0.47	45.41	43.24	2.17	103.65	106.97	-3.32	63.09	67.11	-4.02
12 870930	124.74	125.32	-0.58	45.54	43.30	2.24	107.41	106.96	0.44	67.50	67.09	0.41
13 871001	123.93	125.55	-1.62	41.99	43.37	-1.38	106.86	106.96	-0.10	66.33	67.08	-0.75
14 871002	126.59	125.76	0.83	42.17	43.43	-1.27	107.01	106.97	0.04	68.43	67.07	1.36
15 871005	122.36	125.95	-3.59	42.17	43.50	-1.33	107.41	106.98	0.43	67.50	67.06	0.43
16 871006	126.23	126.13	0.10	45.27	43.57	1.70	107.41	106.99	0.41	67.50	67.07	0.43
17 871007	127.49	126.29	1.20	41.04	43.63	-2.59	106.74	107.01	-0.27	67.59	67.07	0.52
18 871008	130.55	126.43	4.11	47.07	43.70	3.37	107.07	107.03	0.04	67.02	67.08	-0.06
19 871009	129.65	126.56	3.08	47.07	43.76	3.31	105.99	107.05	-1.06	64.23	67.10	-2.87
20 871013	126.18	126.68	-0.50	42.66	43.83	-1.17	107.07	107.08	-0.01	66.54	67.12	-0.58
21 871014	129.33	126.77	2.56	43.65	43.89	-0.24	106.83	107.11	-0.28	66.30	67.14	-0.84
22 871015	128.07	126.86	1.21	41.85	43.96	-2.11	106.98	107.14	-0.16	67.14	67.17	-0.03
23 871016	126.45	126.92	-0.47	45.63	44.02	1.61	106.89	107.18	-0.29	67.38	67.20	0.18
24 871019	124.83	126.97	-2.14	44.33	44.09	0.24	107.01	107.22	-0.21	68.25	67.24	1.01
25 871020	125.10	127.00	-1.90	43.07	44.15	-1.09	107.67	107.27	0.40	67.92	67.29	0.63
26 871021	130.59	127.02	3.57	47.52	44.22	3.30	107.41	107.32	0.09	67.50	67.33	0.16
27 871022	134.78	127.02	7.75	46.94	44.29	2.65	107.79	107.37	0.42	68.67	67.39	1.28
28 871023	131.40	127.01	4.39	49.05	44.35	4.70	107.61	107.43	0.18	68.49	67.44	1.05
29 871026	122.54	126.98	-4.44	42.48	44.42	-1.94	107.40	107.49	-0.09	67.26	67.50	-0.24
30 871027	126.18	126.93	-0.75	47.30	44.48	2.81	108.15	107.55	0.60	67.17	67.57	-0.40
31 871028	123.93	126.87	-2.94	45.72	44.55	1.17	108.21	107.62	0.59	68.97	67.64	1.33
32 871029	123.62	126.79	-3.18	43.43	44.61	-1.19	107.73	107.69	0.04	68.88	67.72	1.16
33 871030	123.98	126.70	-2.72	44.82	44.68	0.14	107.94	107.77	0.17	67.41	67.80	-0.39
34 871103	125.46	126.59	-1.13	39.78	44.74	-4.96	107.41	107.85	-0.44	67.50	67.88	-0.39
35 871104	125.96	126.46	-0.51	42.21	44.81	-2.60	108.36	107.93	0.43	66.51	67.97	-1.46
36 871105	127.85	126.32	1.52	45.14	44.87	0.26	107.67	108.01	-0.34	66.15	68.07	-1.92
37 871106	125.78	126.16	-0.39	45.50	44.94	0.56	108.57	108.10	0.47	69.27	68.17	1.10
38 871109	123.98	125.99	-2.01	43.56	45.01	-1.45	108.63	108.20	0.43	68.64	68.27	0.37
39 871110	127.13	125.00	1.33	46.40	45.07	1.32	108.72	108.29	0.43	69.60	68.38	1.22
40 871111	126.14	125.59	0.54	43.38	45.14	-1.76	108.78	108.39	0.39	70.29	68.49	1.80
41 871112	126.81	125.37	1.44	45.99	45.20	0.79	106.62	108.50	-1.88	67.35	68.61	-1.26
42 871113	125.24	125.13	0.10	45.50	45.27	0.23	108.57	108.61	-0.04	67.08	68.73	-1.65
MEDIA							107.40	107.40	0.00	67.50	67.50	0.00
DESVIO							"	"	0.70	"	"	1.25
DESVIO %							"	"	0.65	"	"	1.86

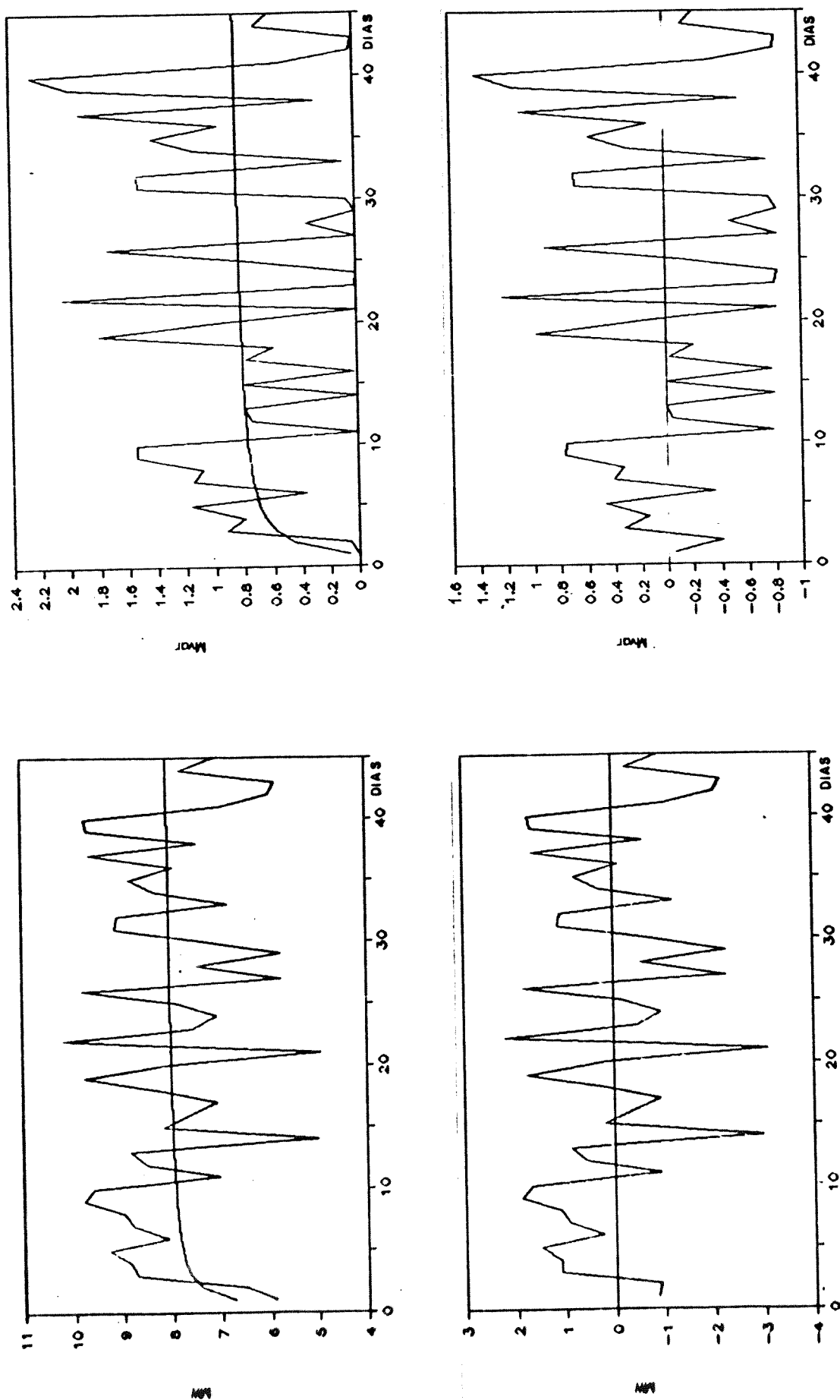


FIG A1.1 - Carga máxima diária ativa e reativa - Aconorte 230 kV

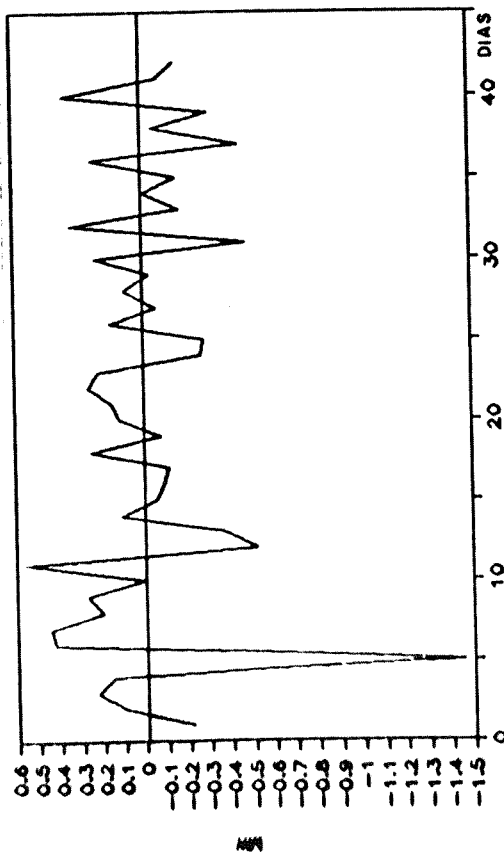
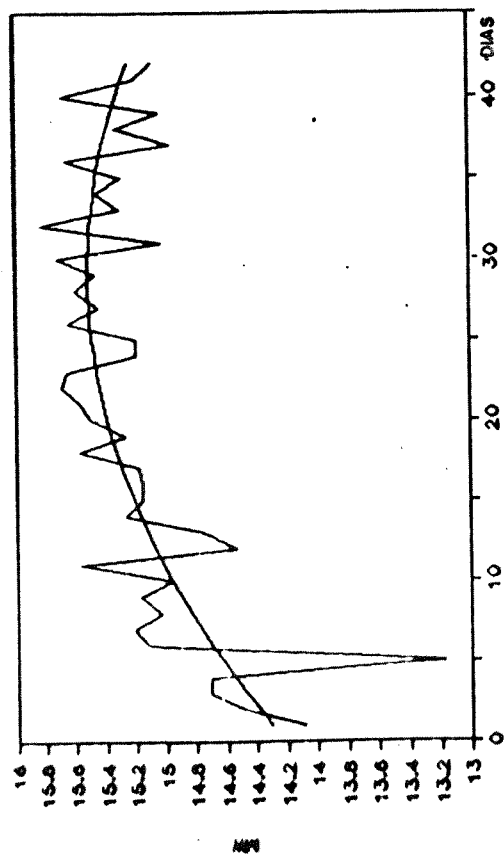


FIG A1.2 - Carga máxima diária ativa

Banabuiú 69 kV

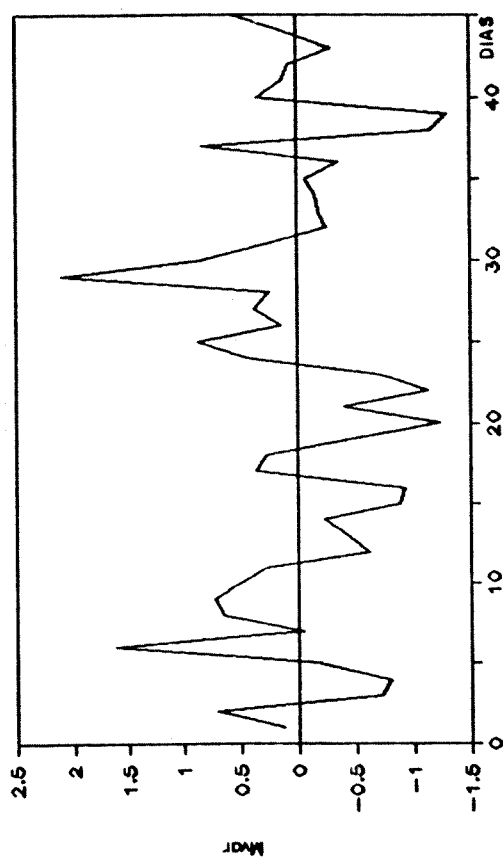
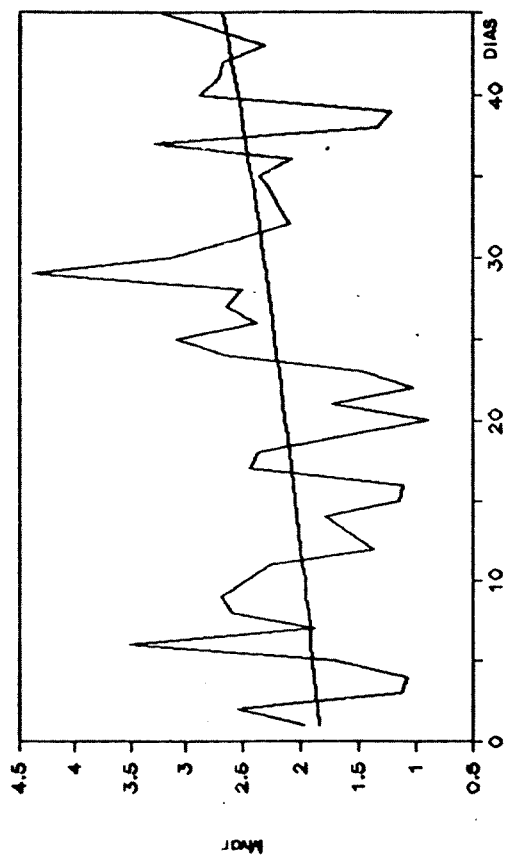


FIG A1.3 - Carga máxima diária reativa

Açú 69 kV

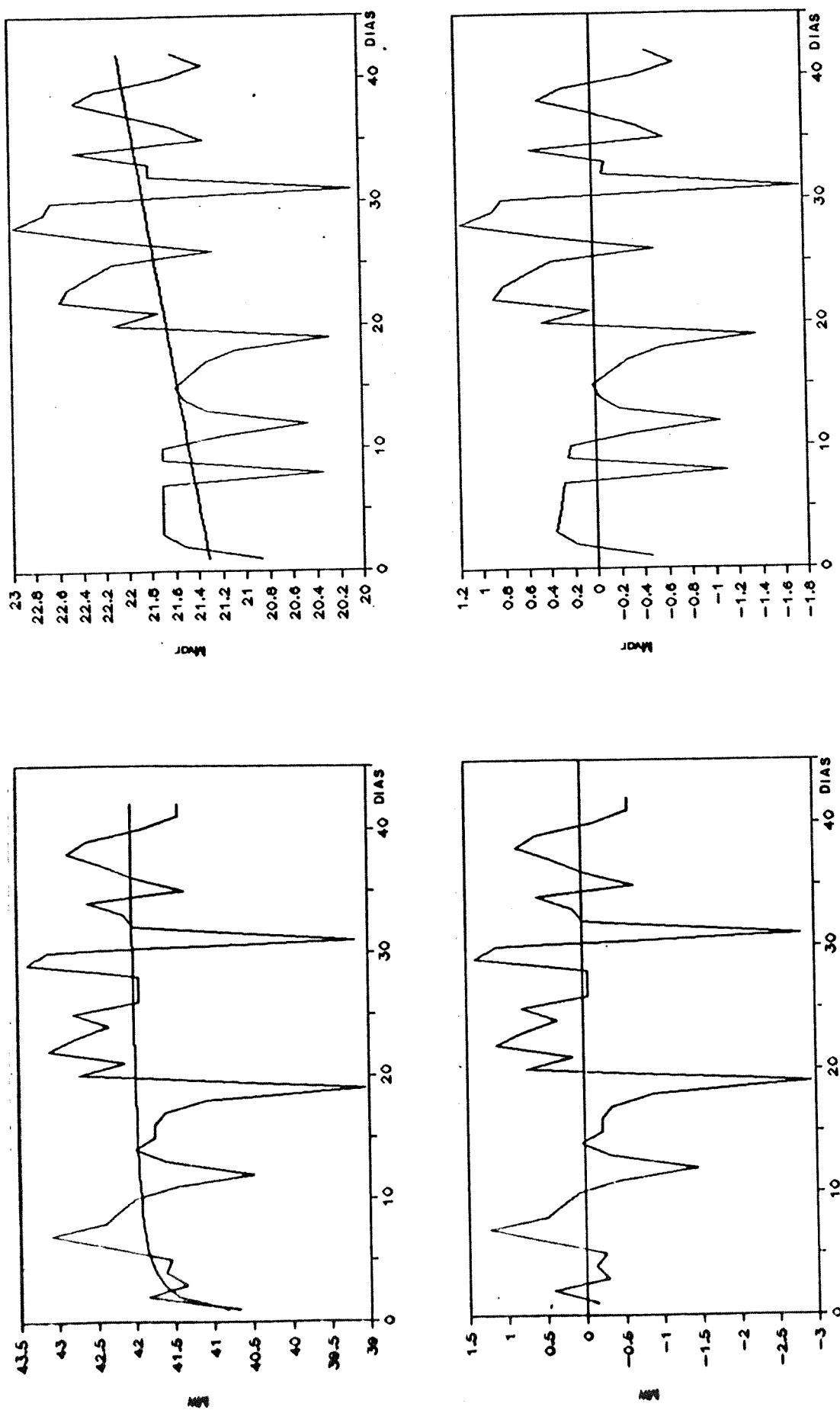


FIG A1.4 - Carga máxima diária ativa e reativa - Bongl 13.8 kV

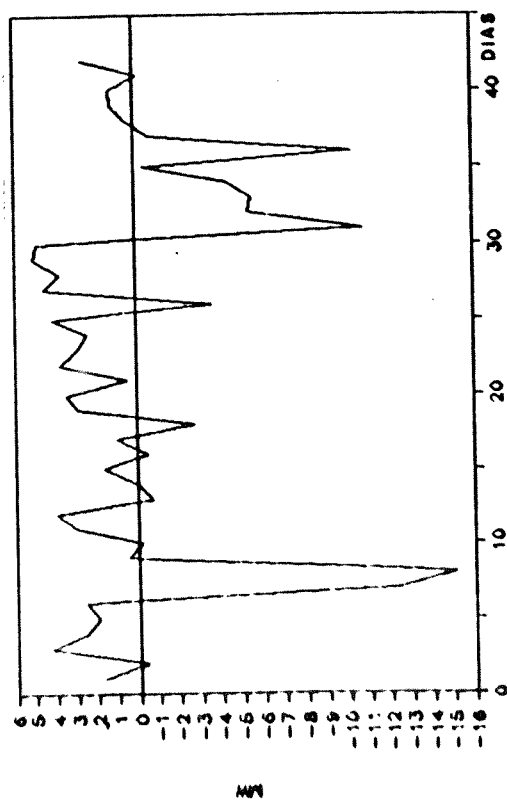
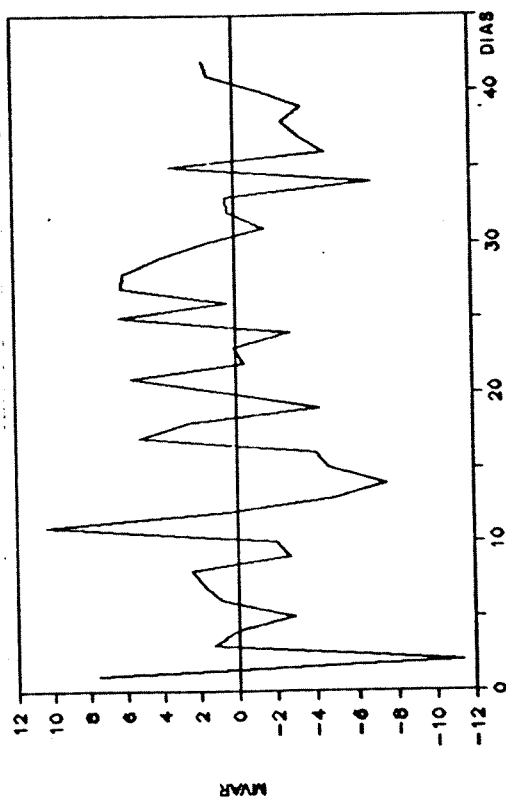
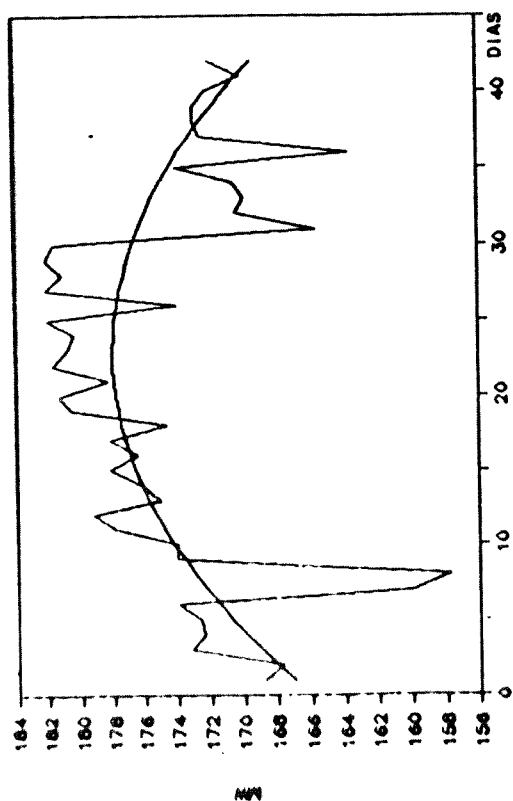
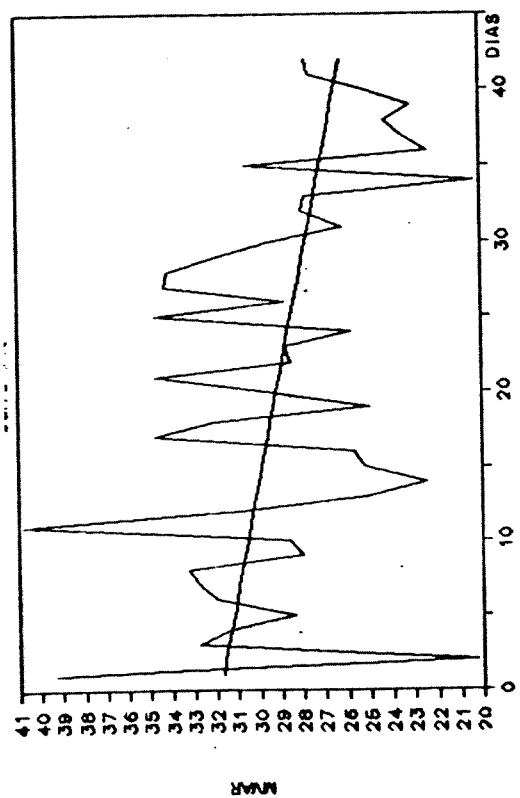


FIG A1.5 - Carga máxima diária ativa e reativa - Bongi 69 kV

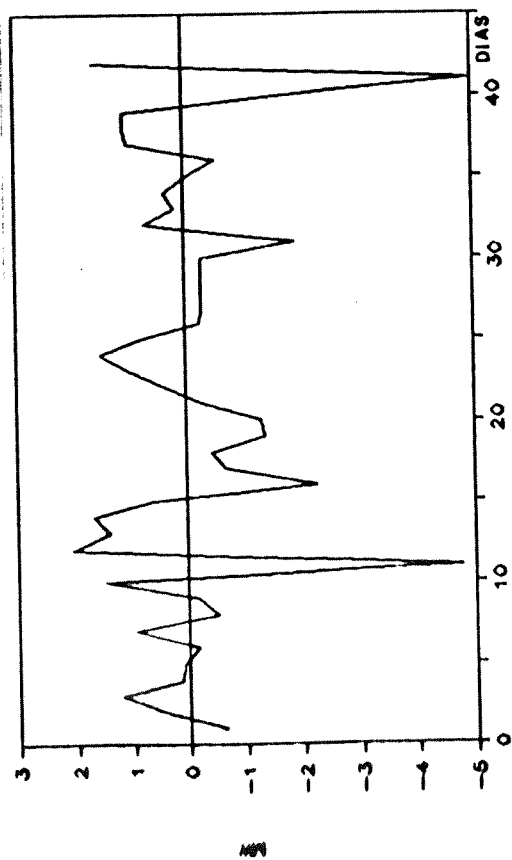
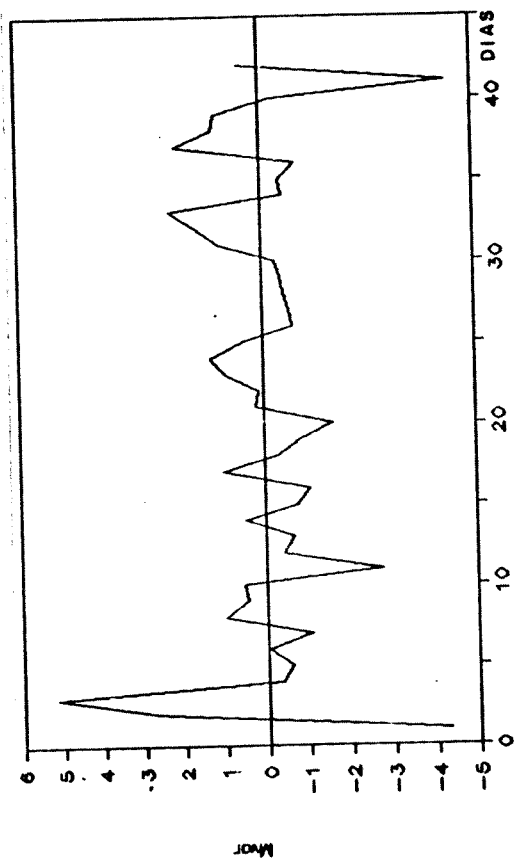
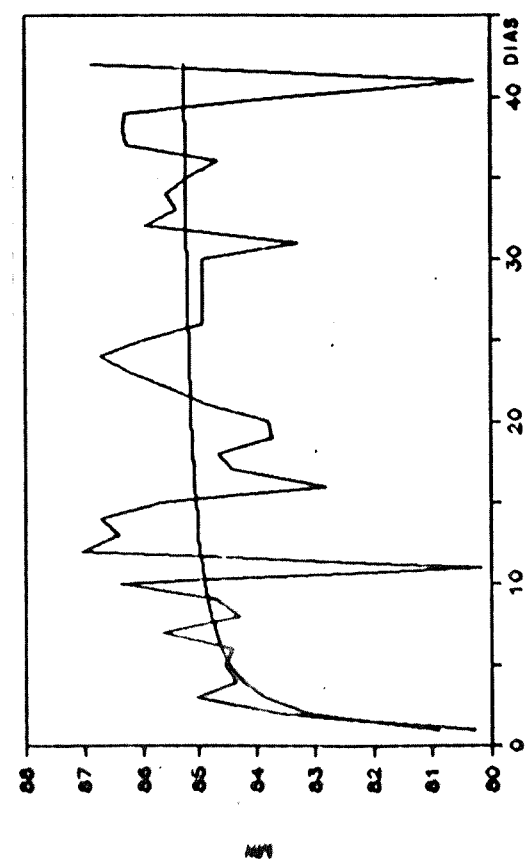
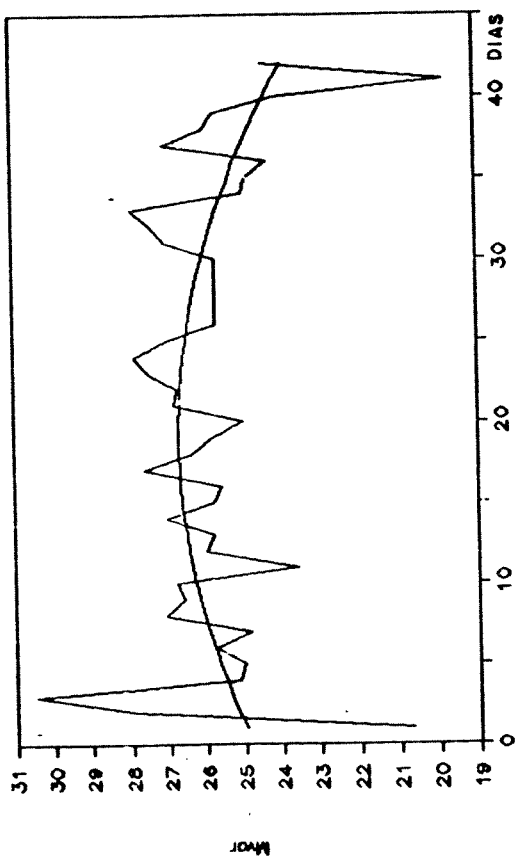


FIG A1.6 - Carga máxima diária ativa e reativa - Campina Grande 69 kV

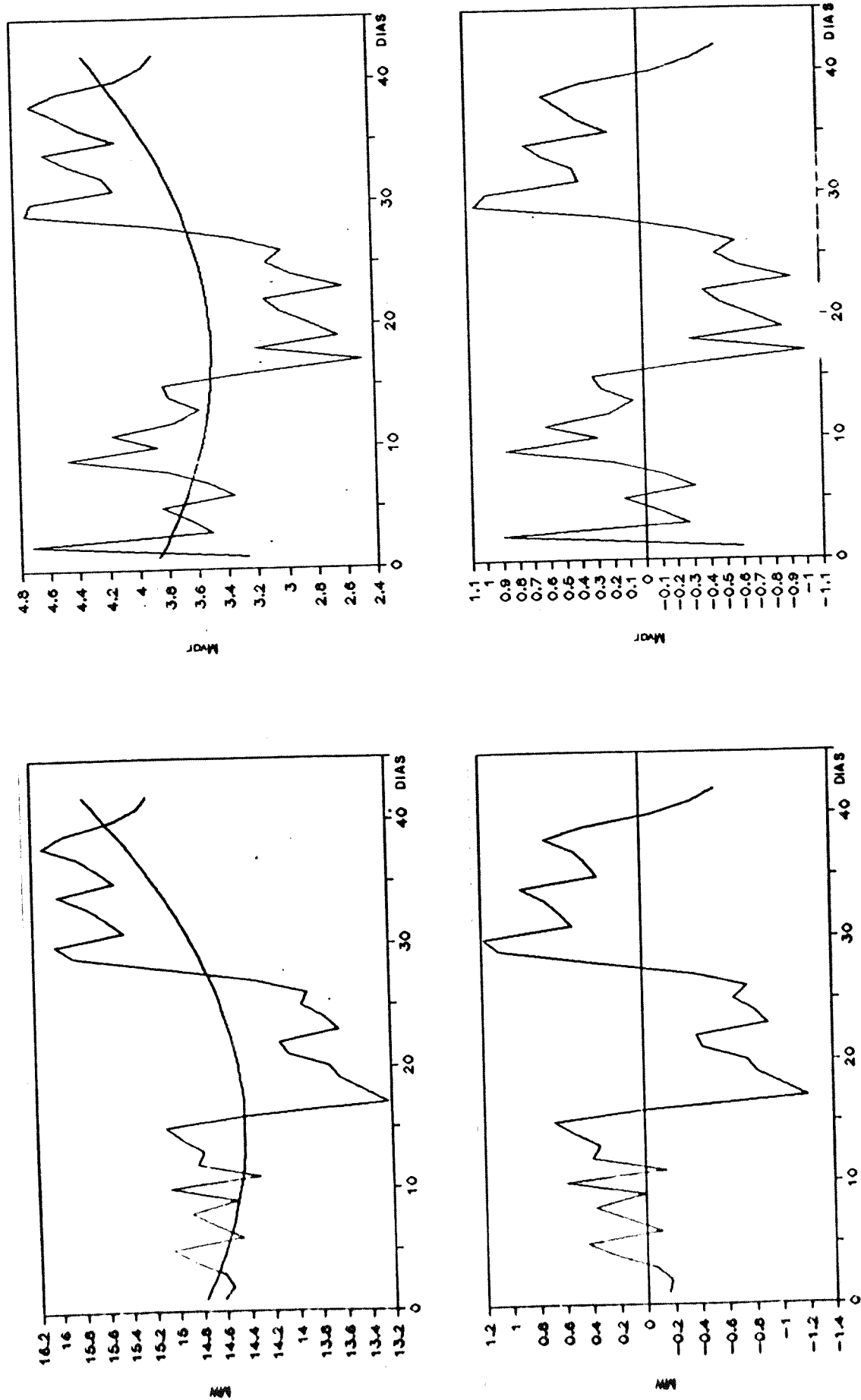


FIG A1.7 - Carga máxima diária ativa e reativa - Currais novos 69 kV

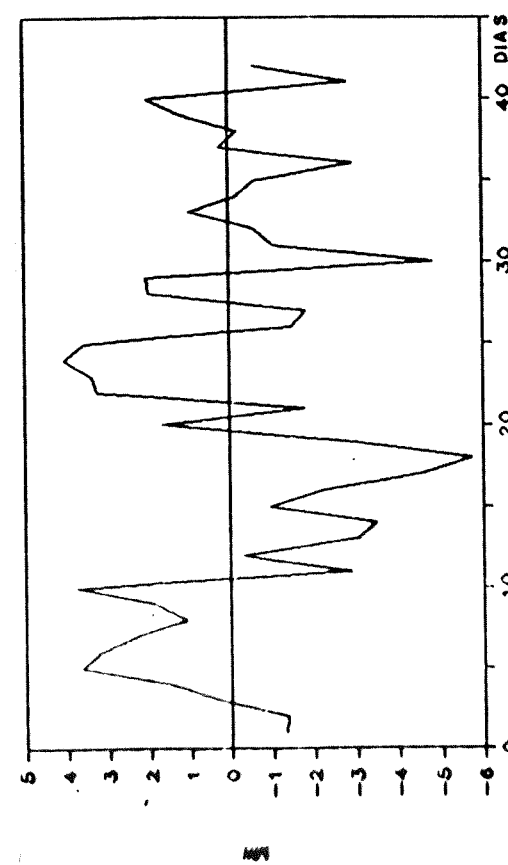
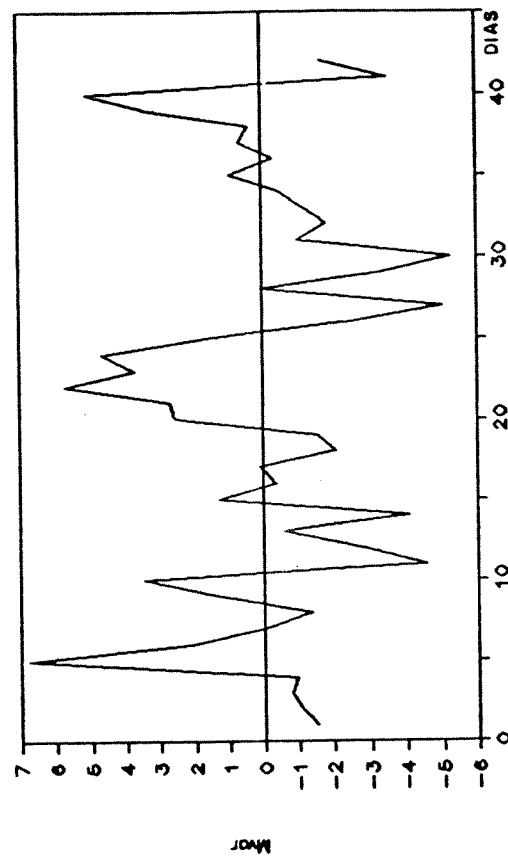
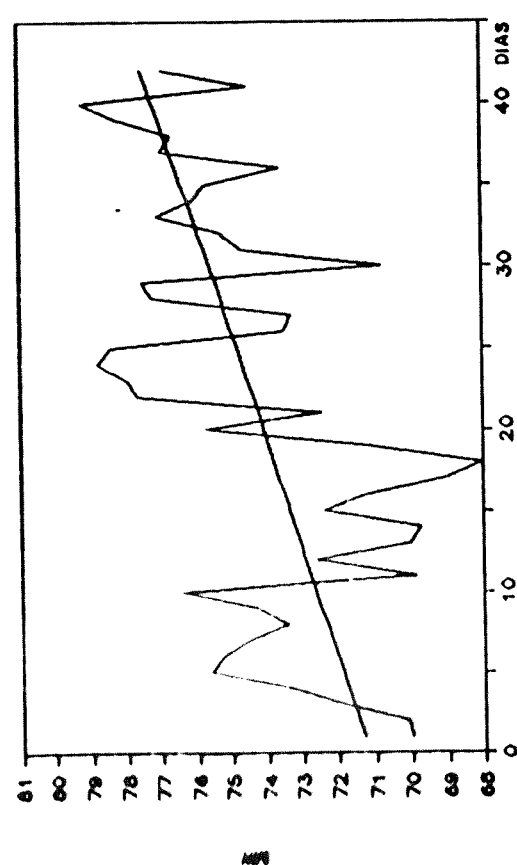
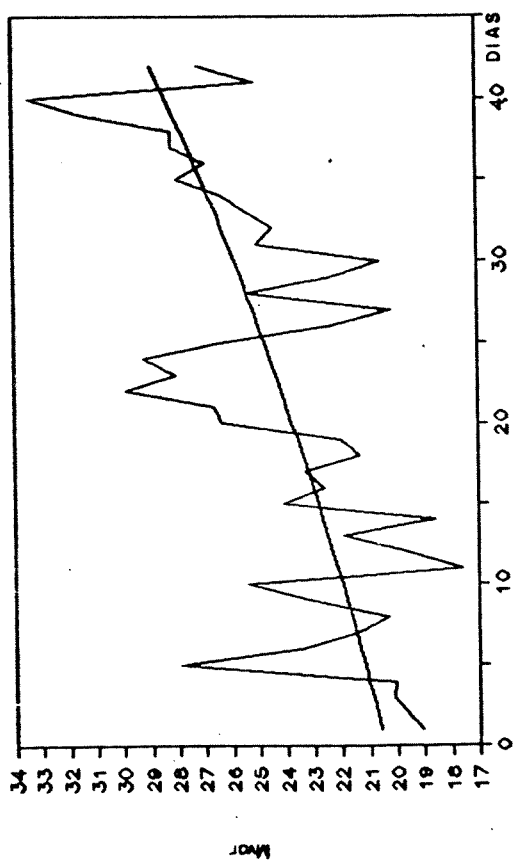


FIG A1.8 - Carga máxima diária ativa e reativa - Golianinha 69 kv

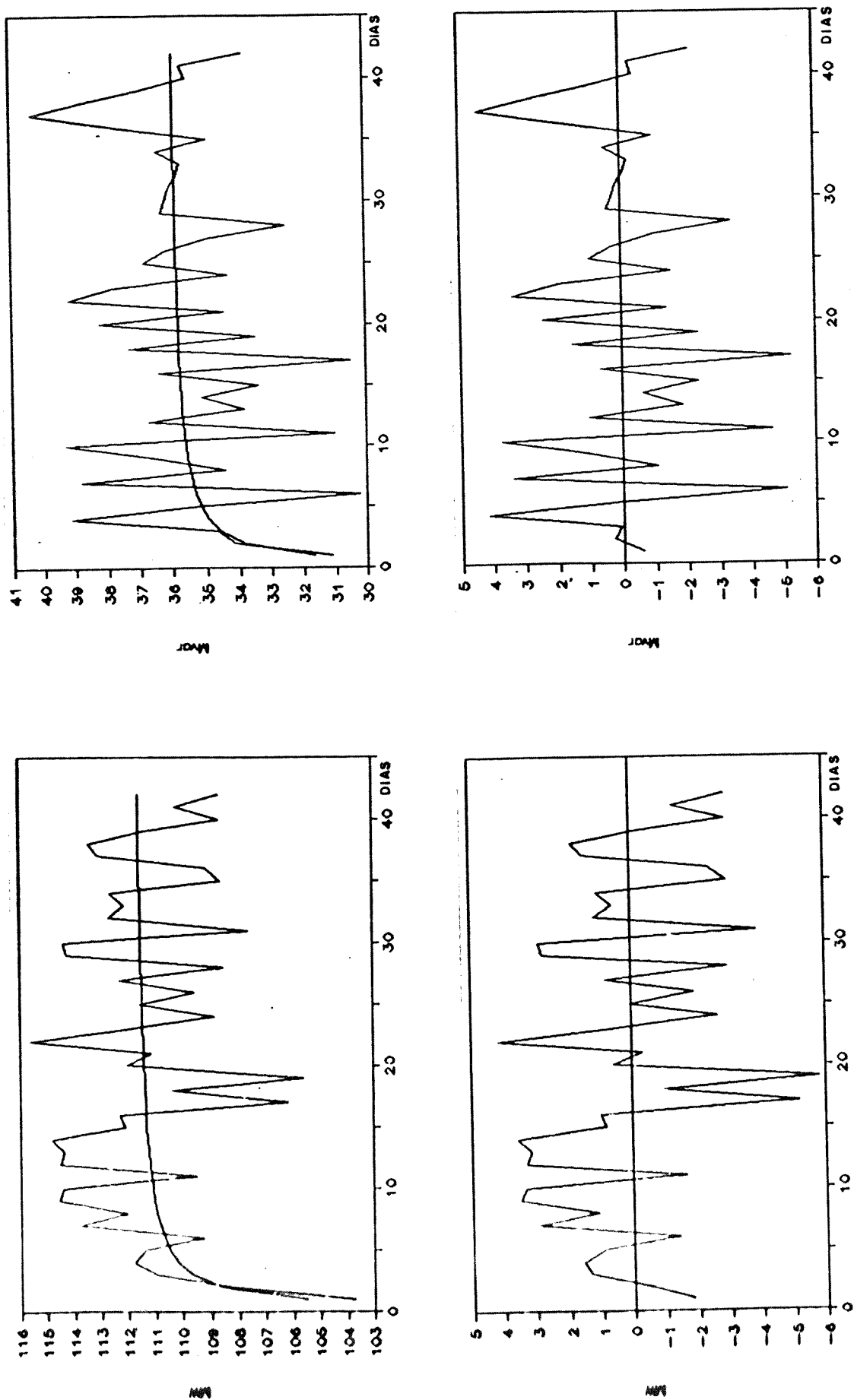


FIG A1.9 - Carga máxima diária ativa e reativa - Mussuré 69 kV

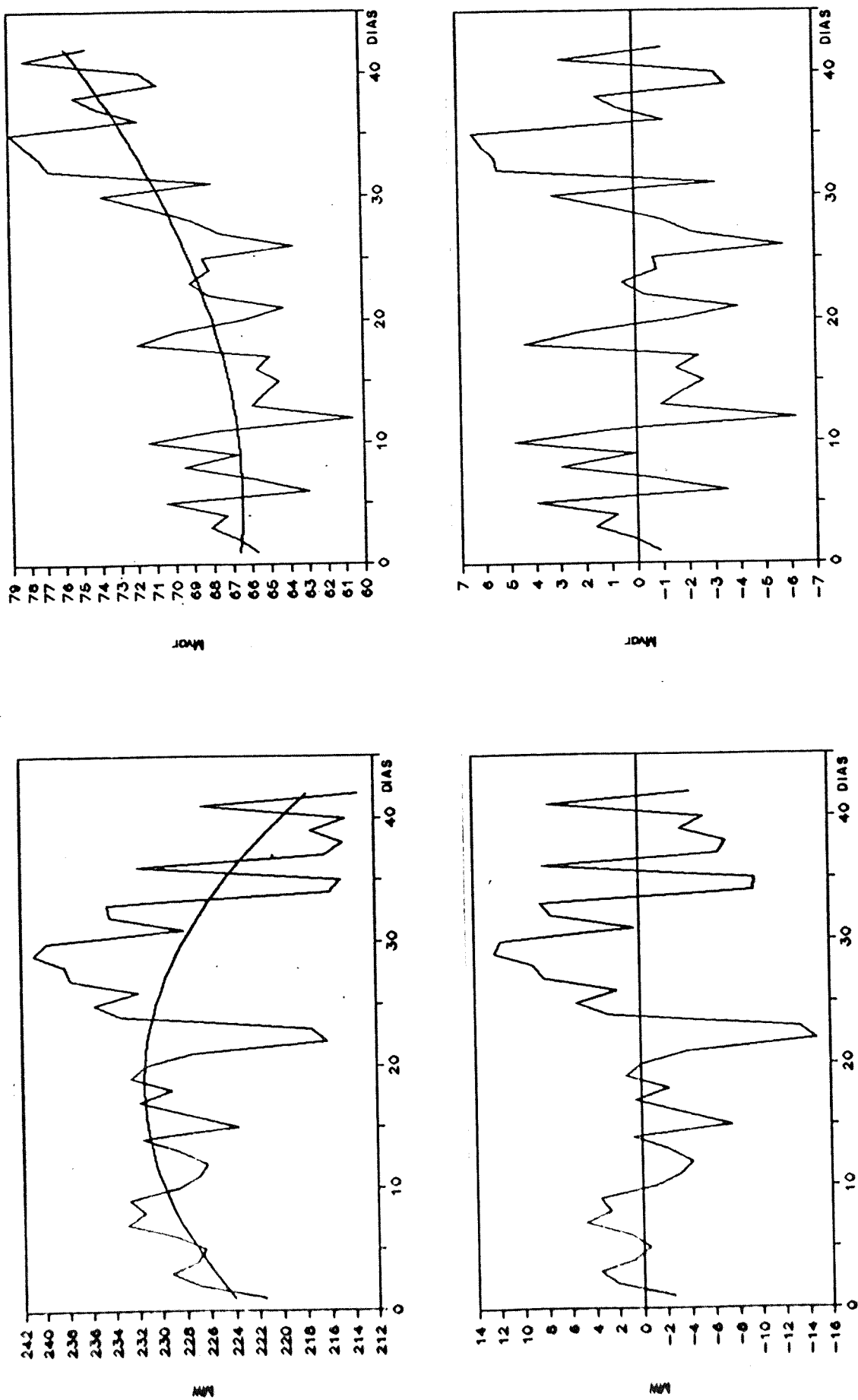


FIG A1.10 - Carga máxima diária ativa e reativa - Mirueira 69 kV

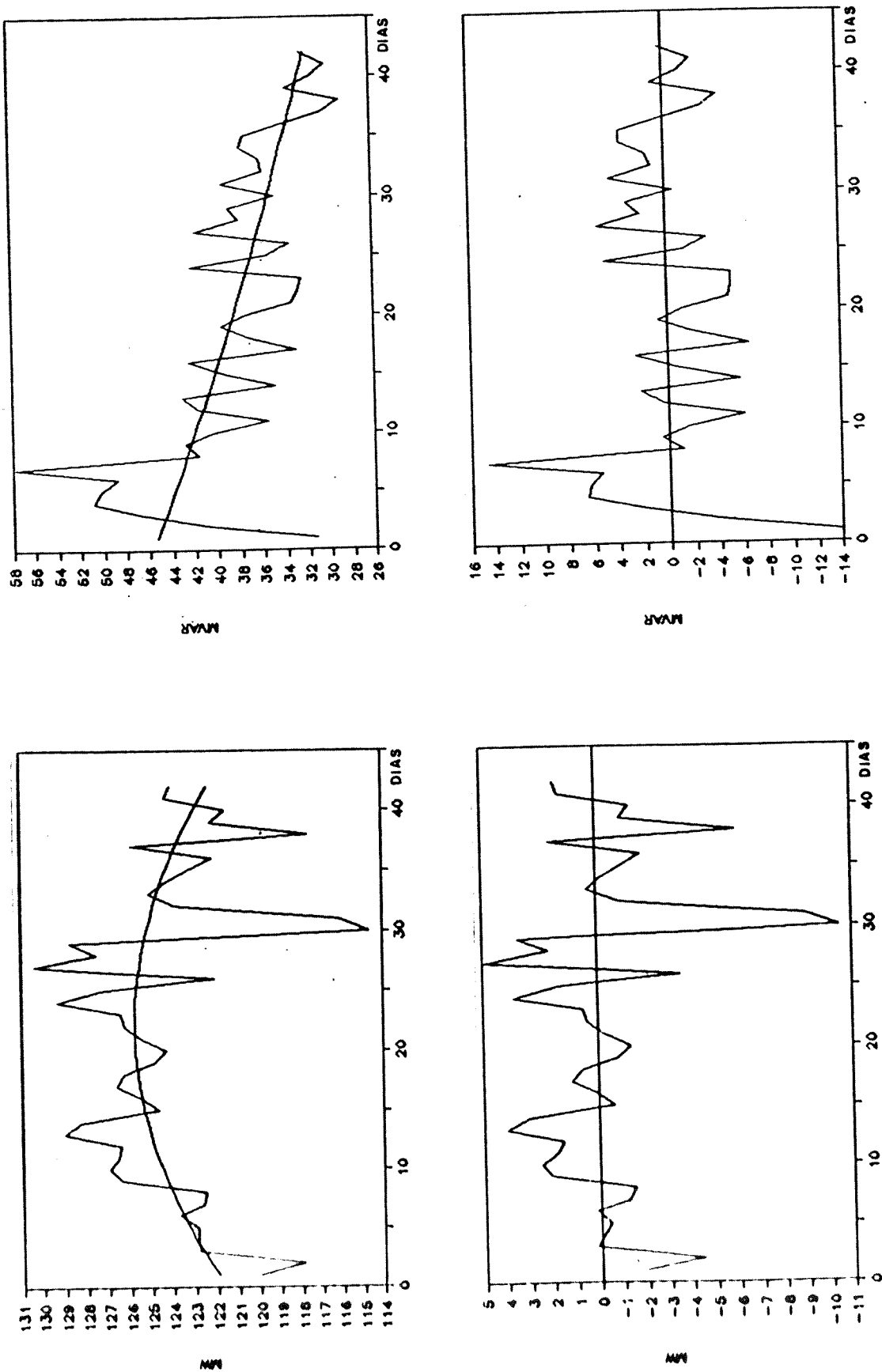


FIG A1.11 - Carga máxima diária ativa e reativa - Natal 69 kV

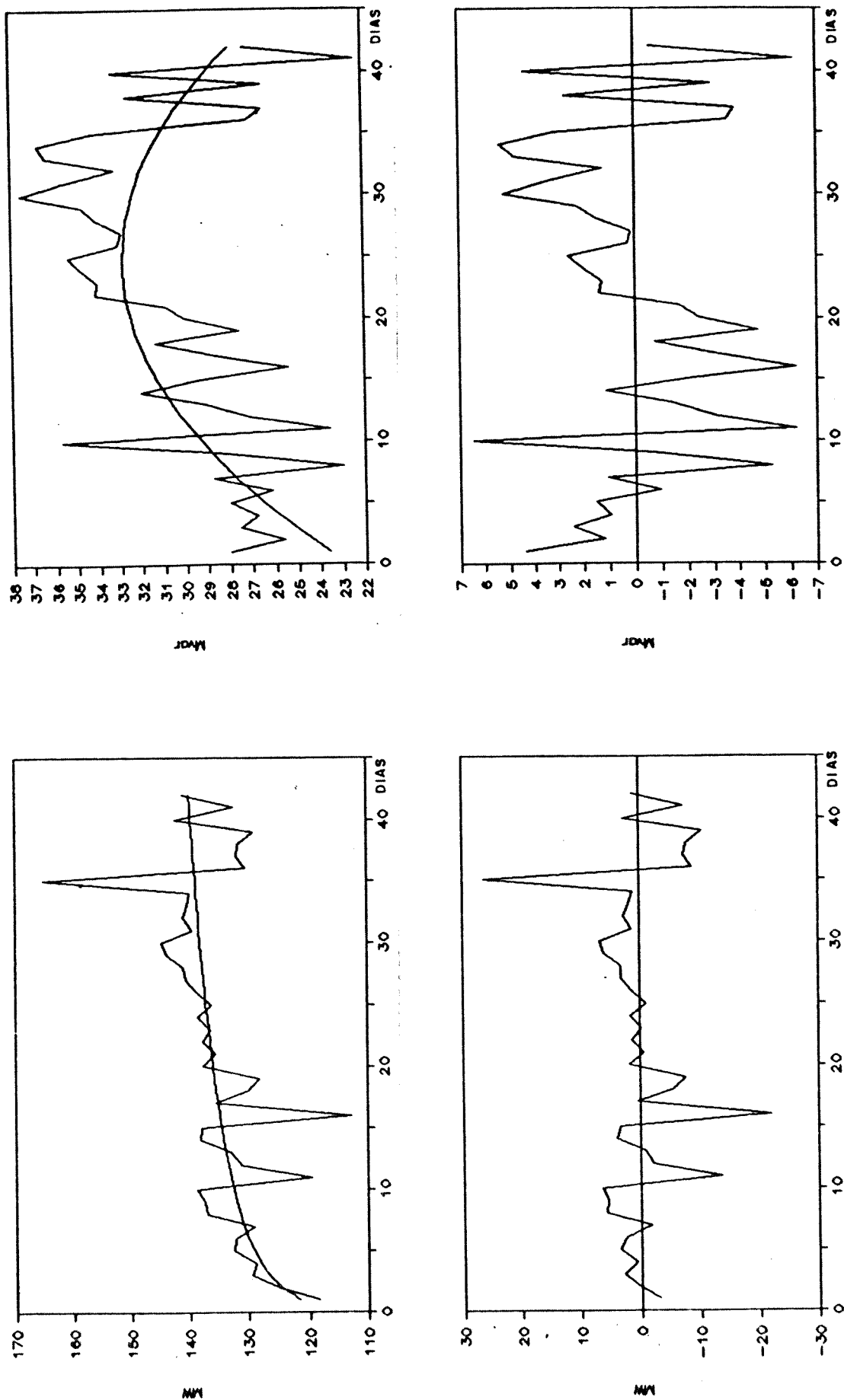


FIG A1.12 - Carga máxima diária ativa e reativa - Pirapama 69 kV

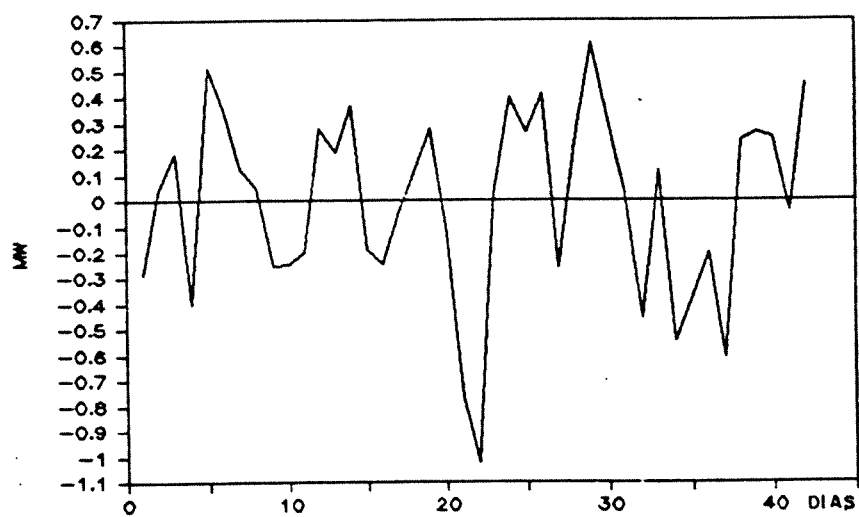
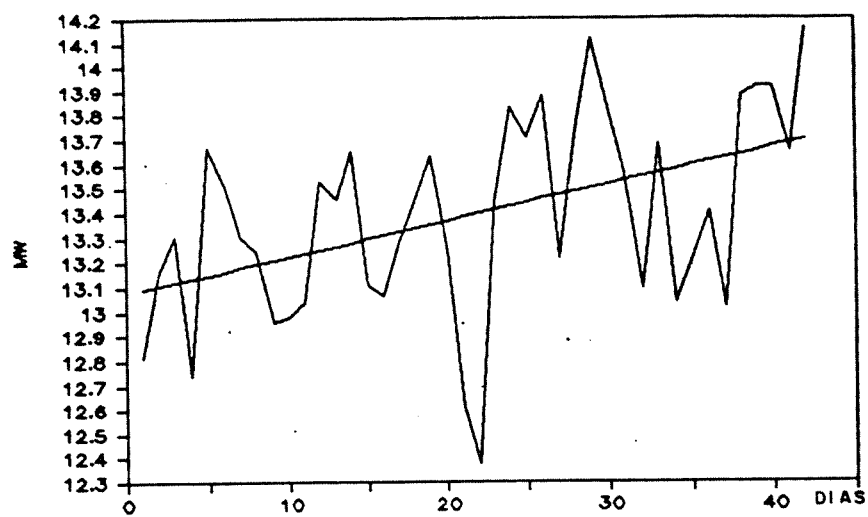


FIG A1.13 - Carga máxima diária ativa - Russas 69 kV

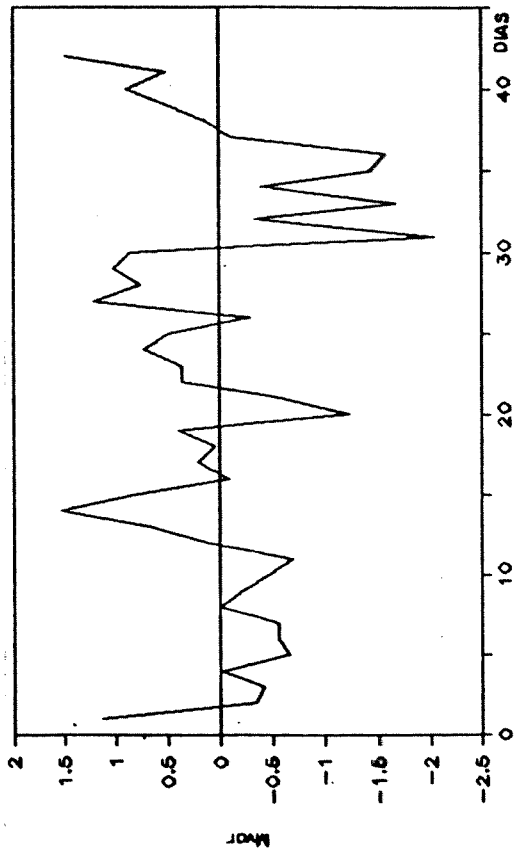
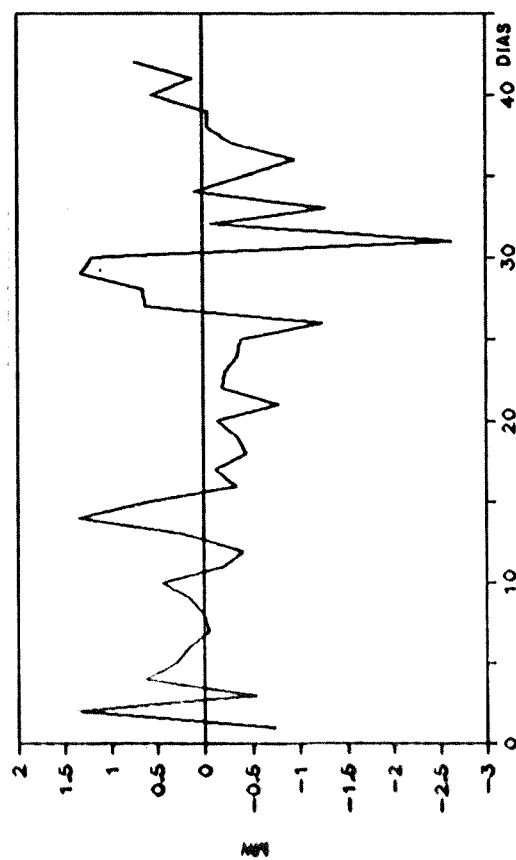
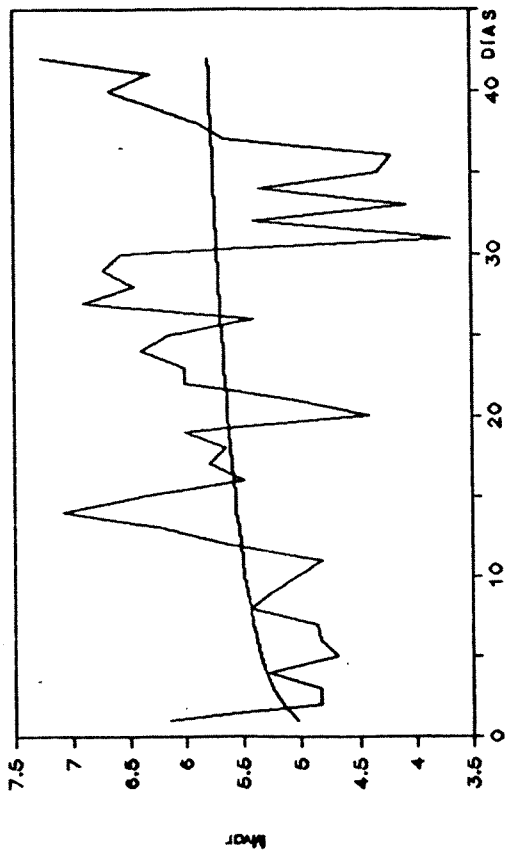
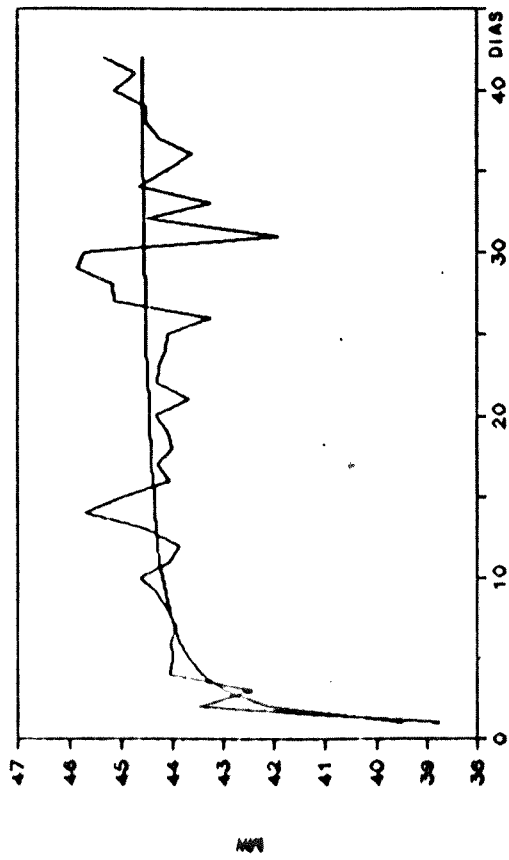


FIG A1.14 - Carga máxima diária ativa e reativa - Tacaimbó 69 kV

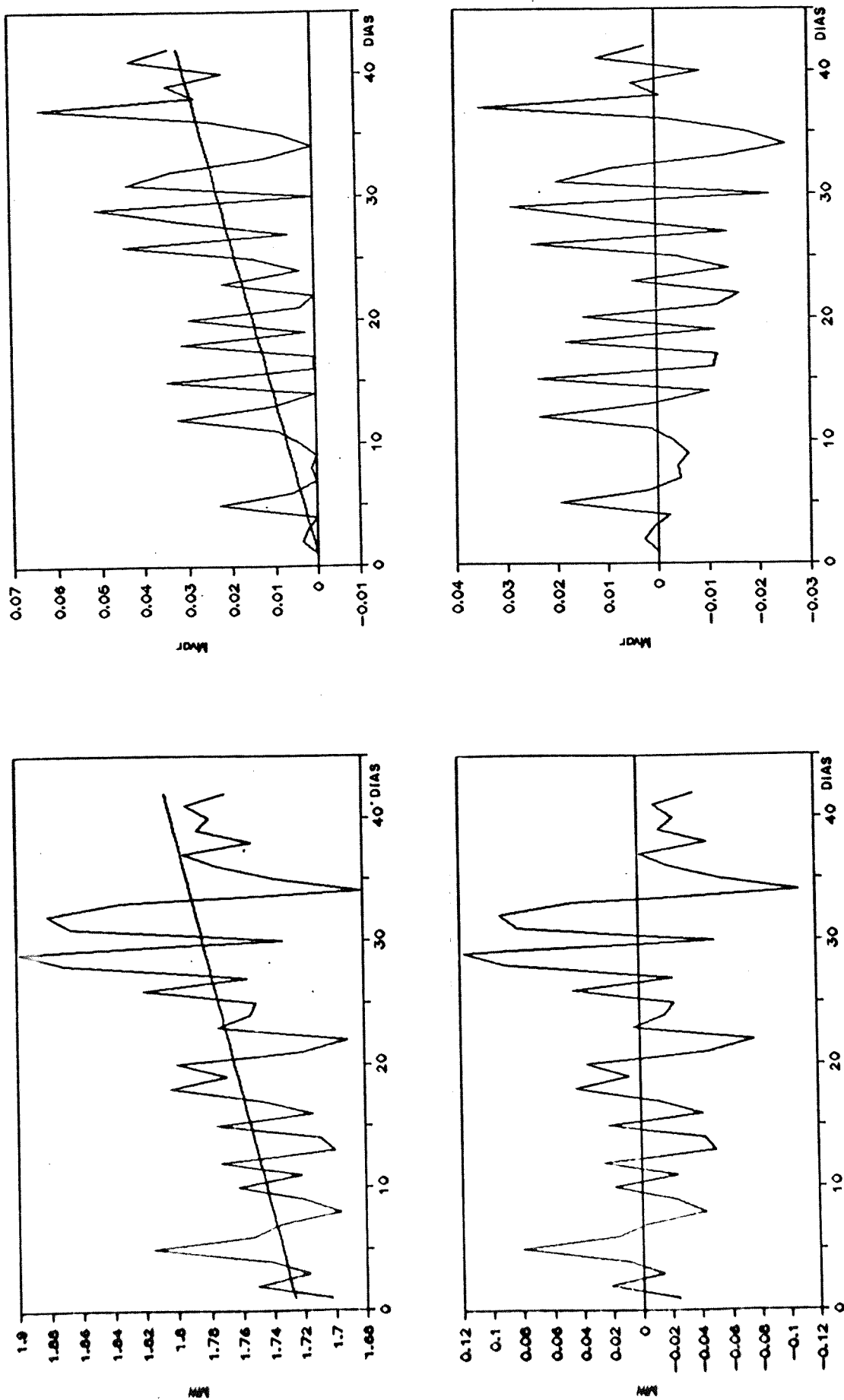


FIG A1.15 - Carga máxima diária ativa e reativa - Santana dos Matos 69 kV

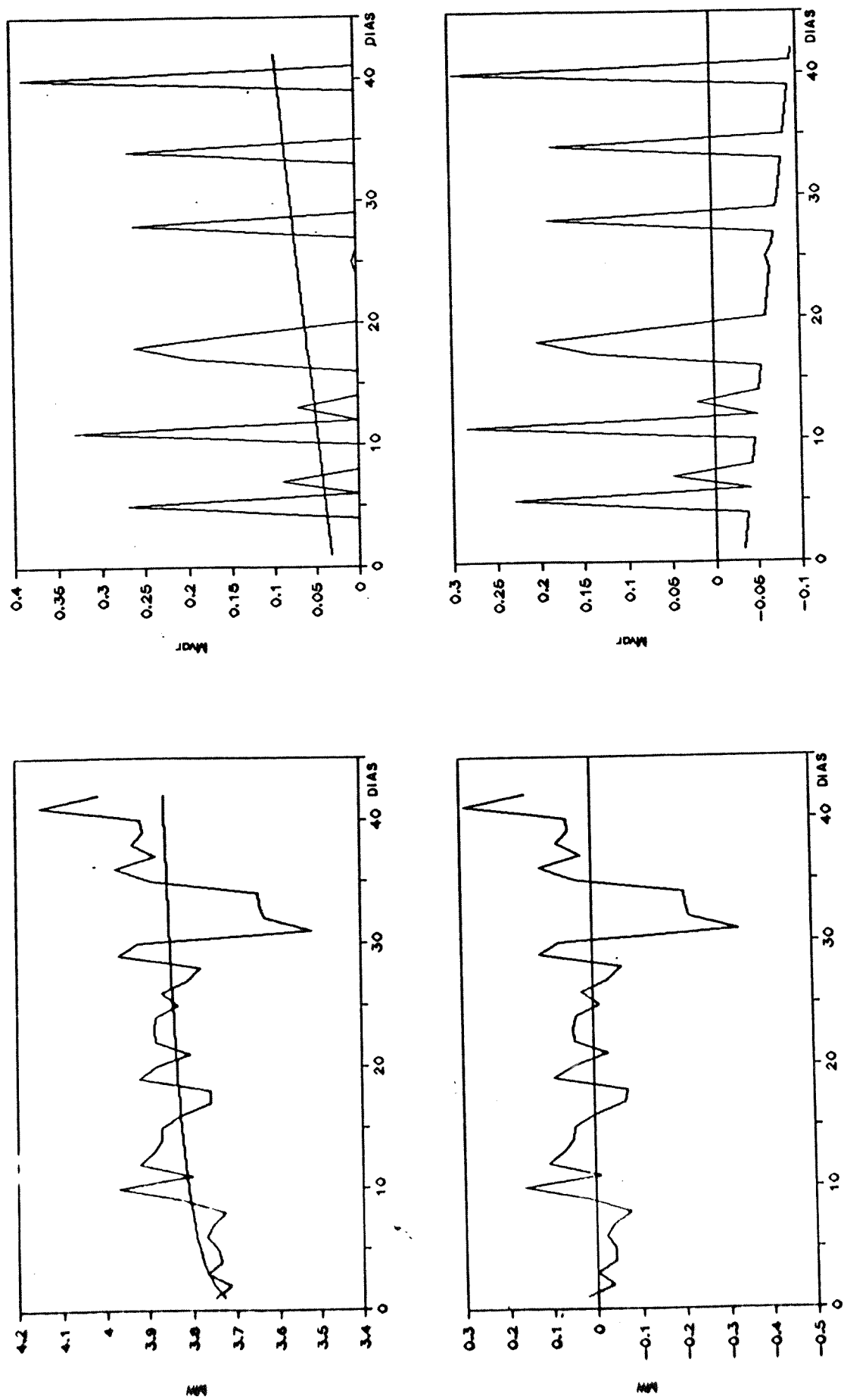


FIG A1.16 - Carga máxima diária ativa e reativa - Santa Cruz 69 kV

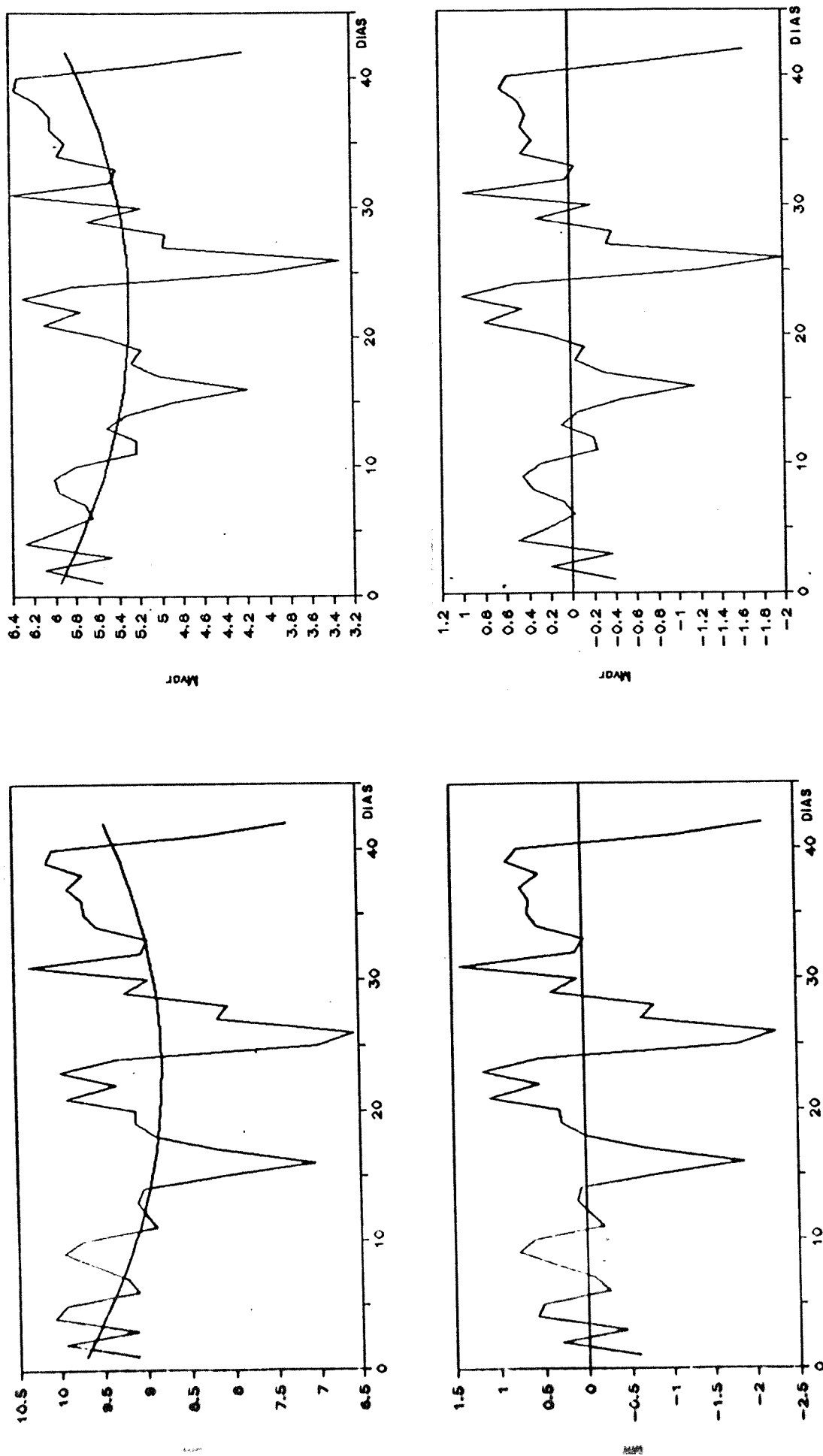


FIG A1.17 - Carga máxima diária ativa e reativa - Coberbo 230 kV

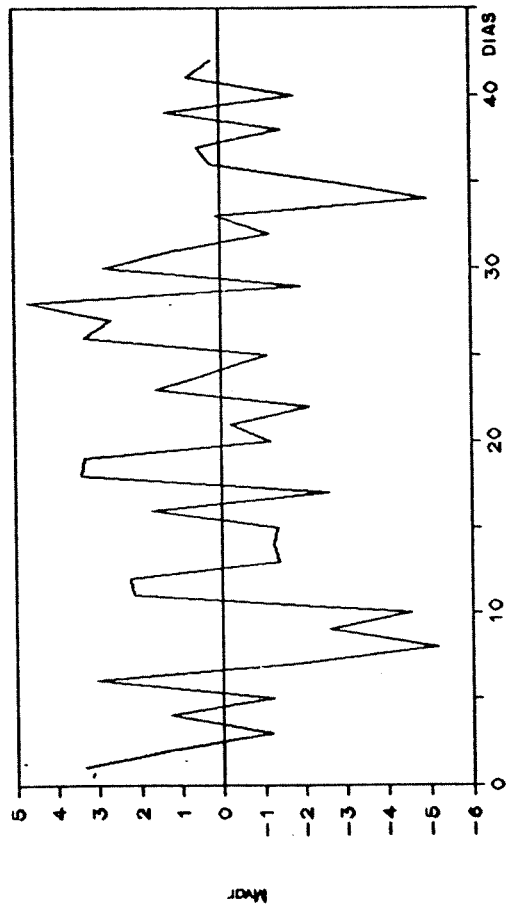
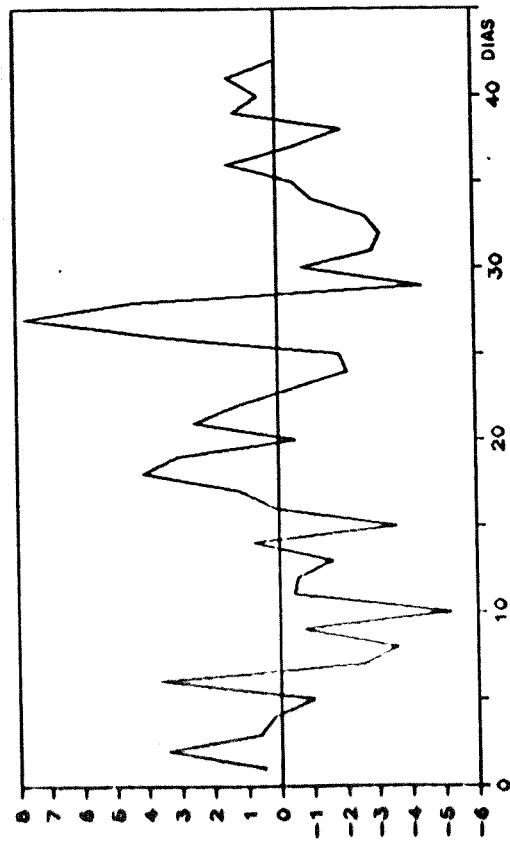
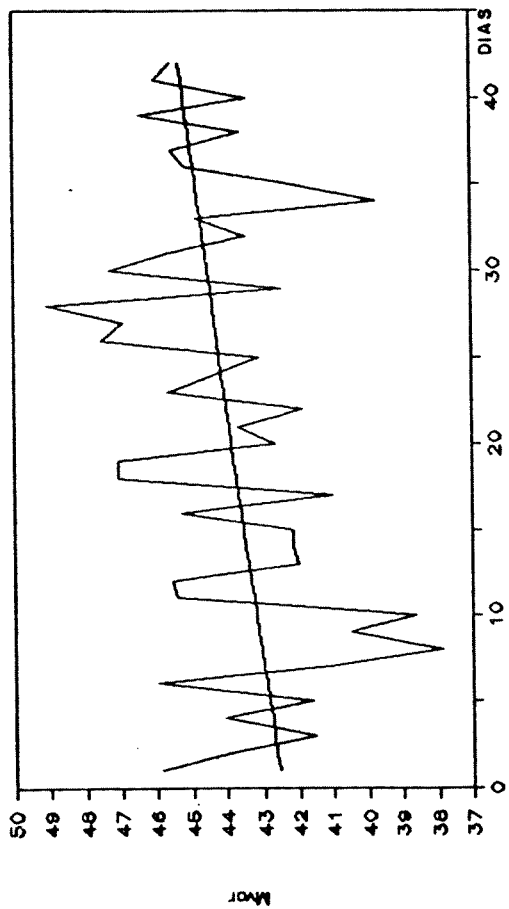
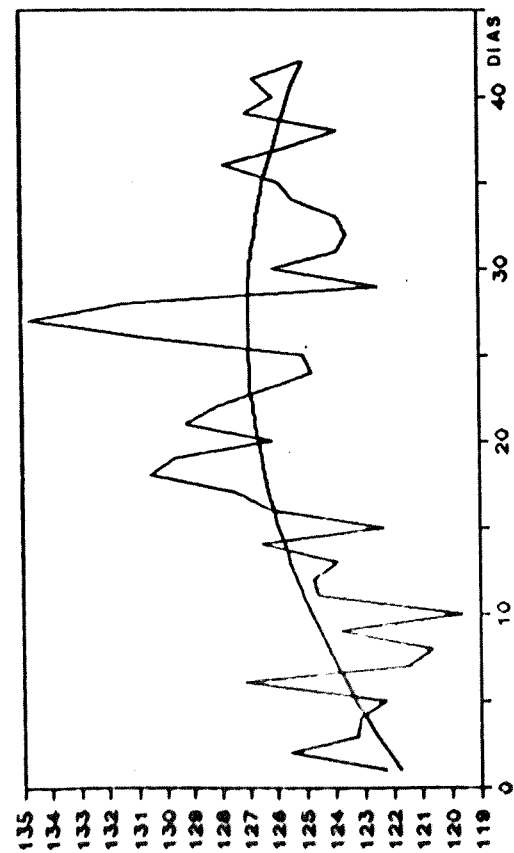


FIG A1.18 - Carga máxima diária ativa e reativa - Rio largo 69 kv

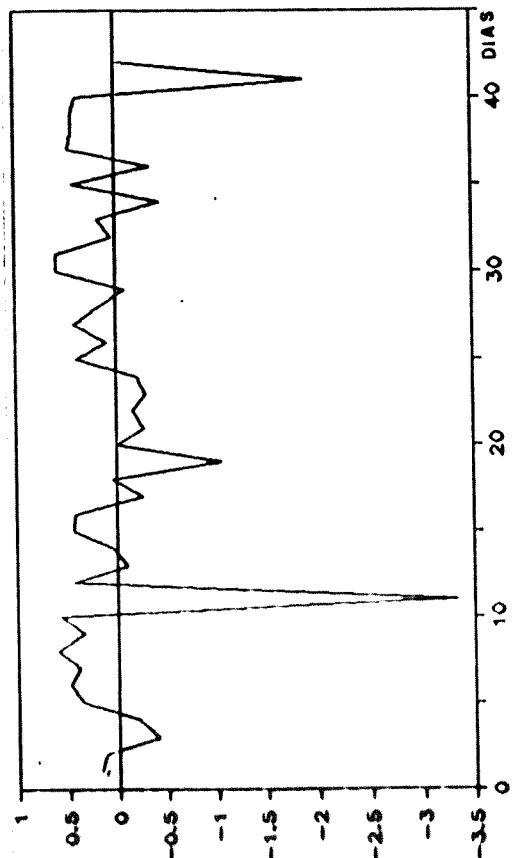
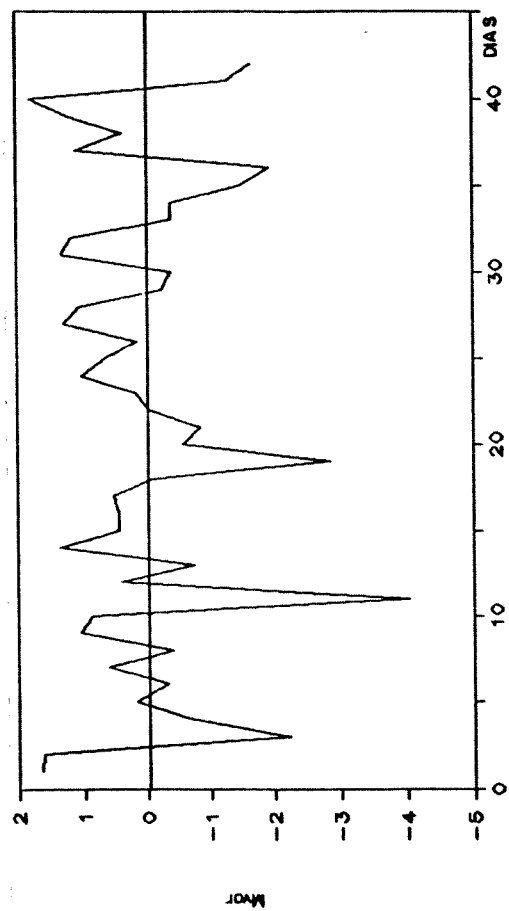
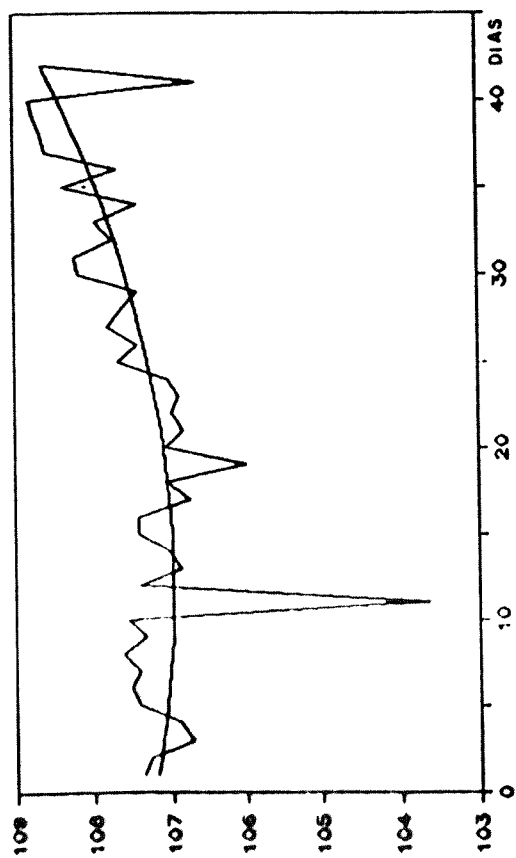
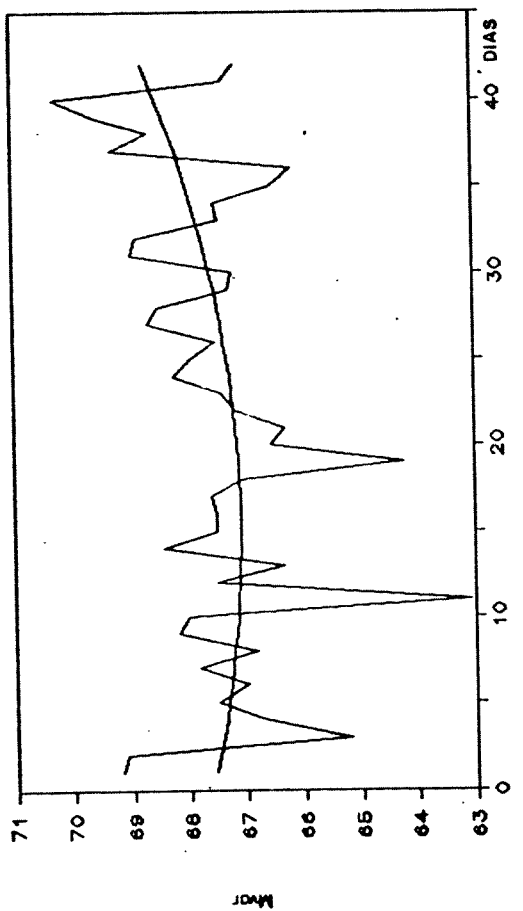


FIG A1.19 - Carga máxima diária ativa e reativa - Salgema 230 kv

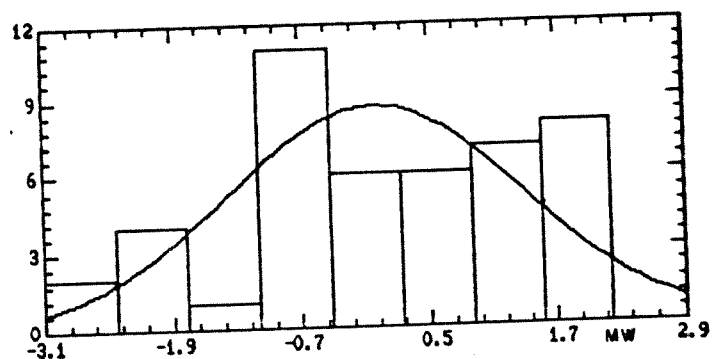


FIG A1.20 - Histograma da variação da carga máxima diária ativa
- Açonorte 230 kV

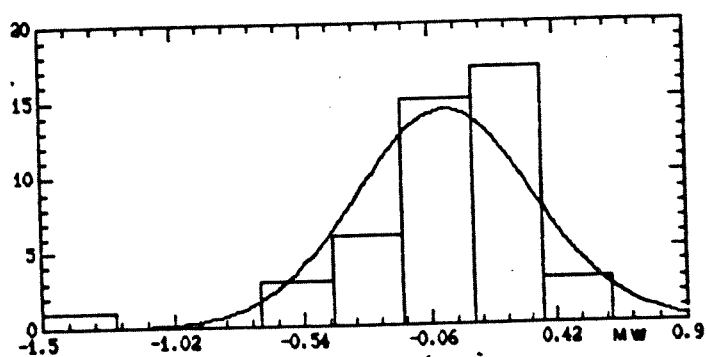


FIG A1.21 - Histograma da variação da carga máxima diária
reativa- Banabuíó 89 kV

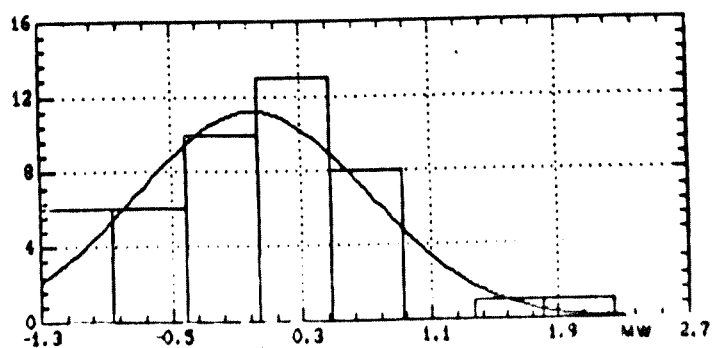


FIG A1.22 - Histograma da variação da carga máxima diária
reativa- Açó 89 kV

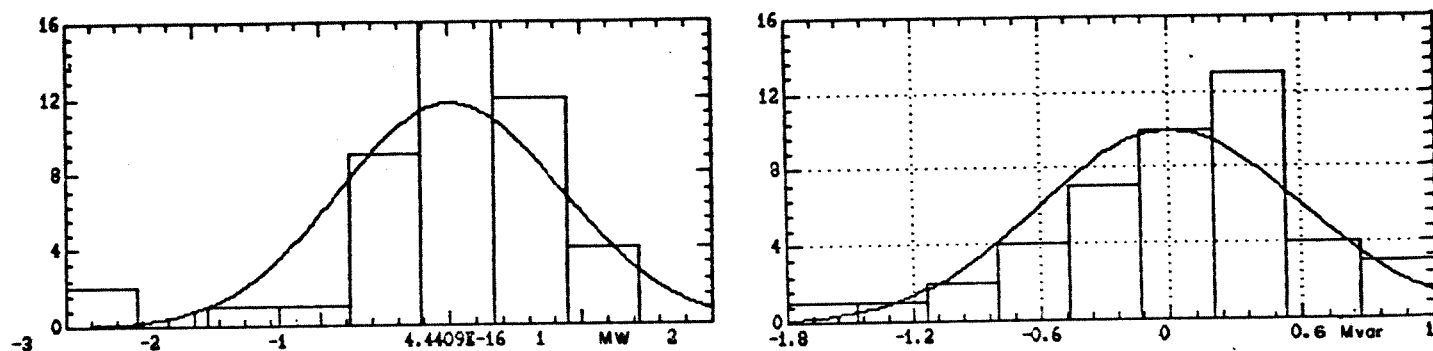


FIG A1.23 - Histograma da variação da carga máxima diária ativa e reativa - Bongoi 13.8 kV

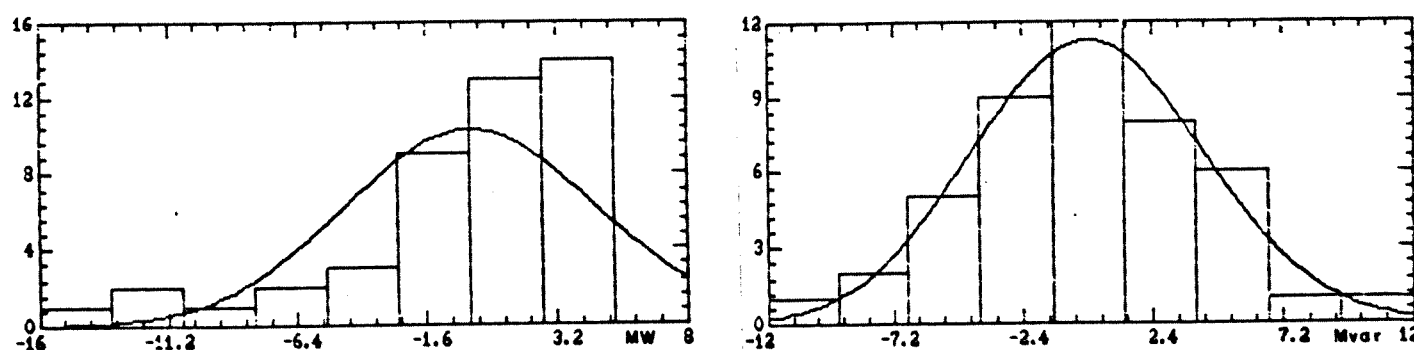


FIG A1.24 - Histograma da variação da carga máxima diária ativa e reativa - Bongoi 69 kV

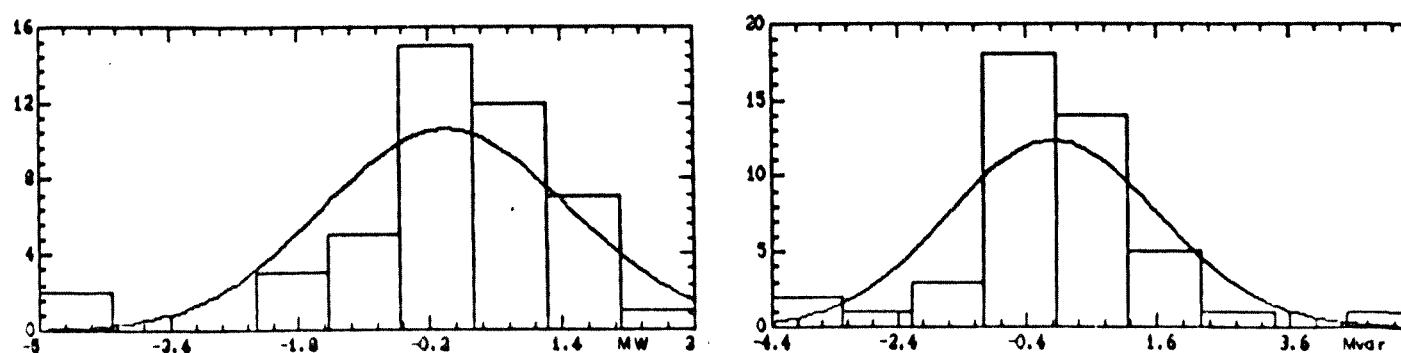


FIG A1.25 - Histograma da variação da carga máxima diária ativa e reativa - Campina Grande 69 kV

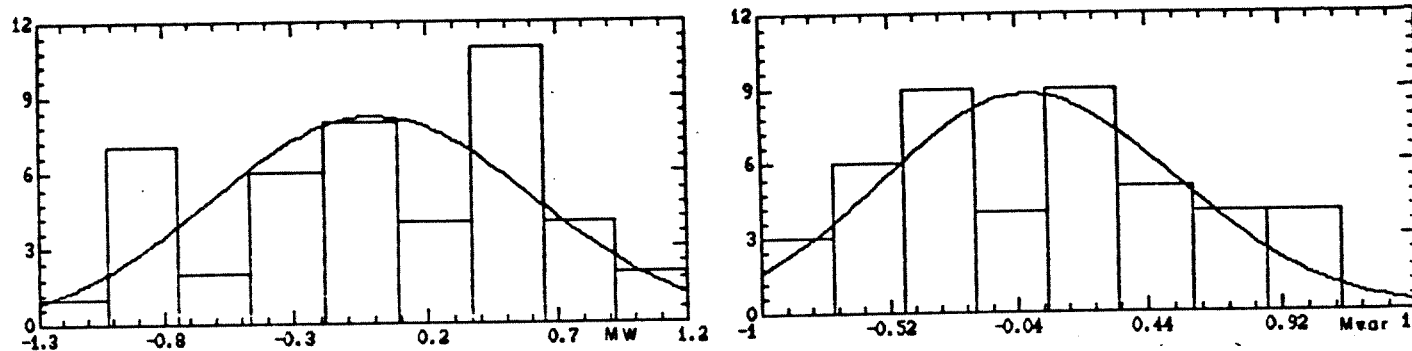


FIG A1.26 - Histograma da variação da carga máxima diária ativa e reativa Currais Novos 69 kV

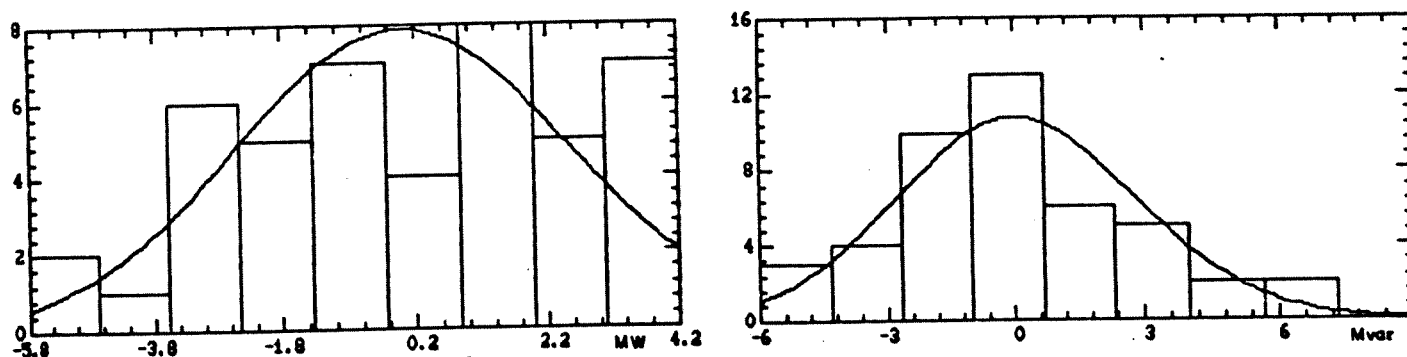


FIG A1.27 - Histograma da variação da carga máxima diária ativa e reativa - Golanhinha 69 kV

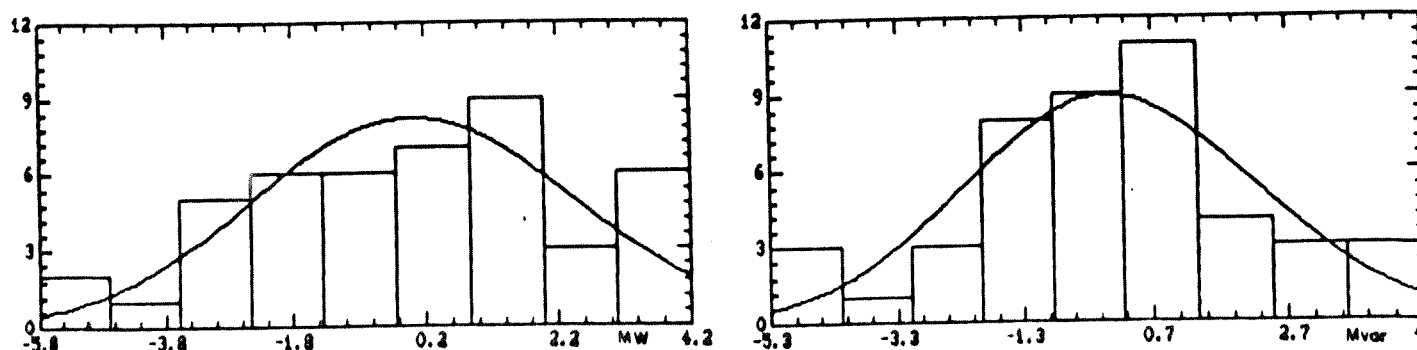


FIG A1.28 - Histograma da variação da carga máxima diária ativa e reativa - Mossurê 69 kV

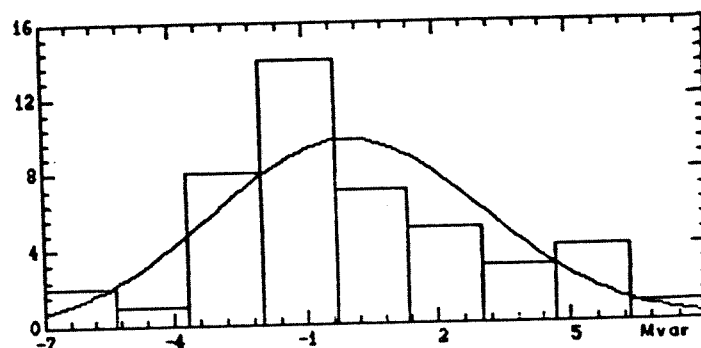
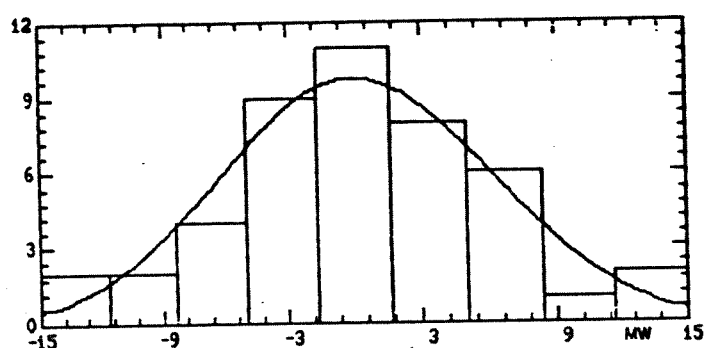


FIG A1.29 - Histograma da variação da carga máxima diária ativa e reativa - Mirueira 69 kV

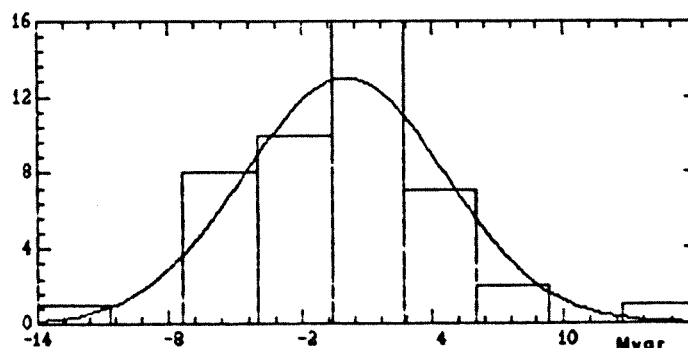
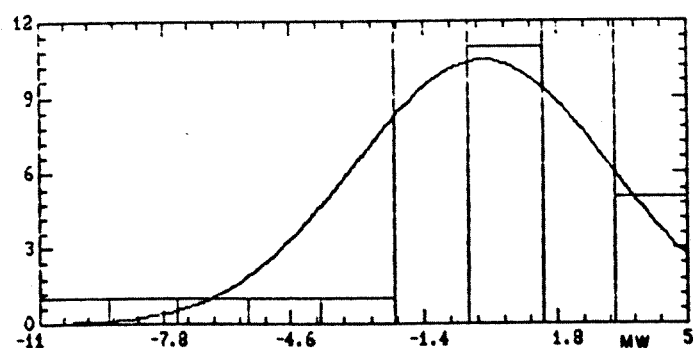


FIG A1.30 - Histograma da variação da carga máxima diária ativa e reativa - Natal 69 kV

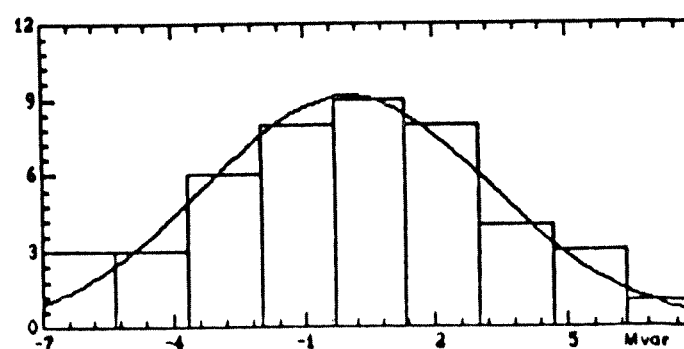
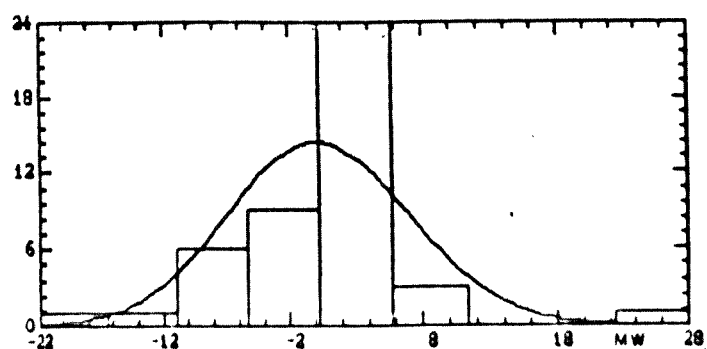


FIG A1.31 - Histograma da variação da carga máxima diária ativa e reativa - Pirapama 69 kV

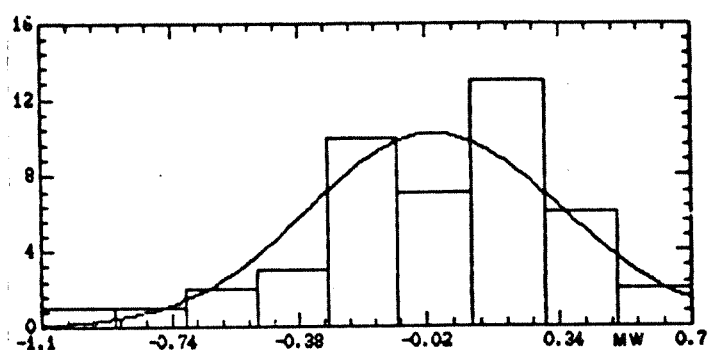


FIG A1.32 - Histograma da variação da carga máxima diária ativa
- Russas 69 kV

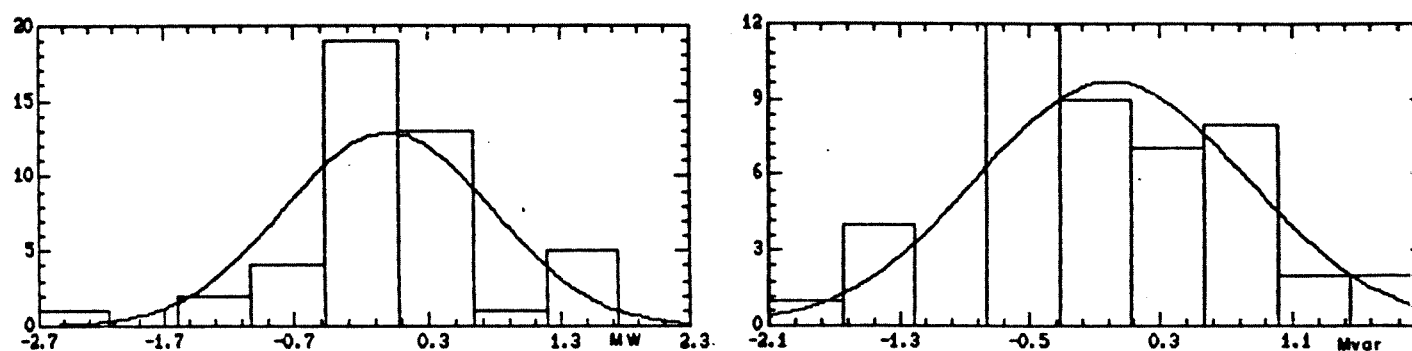


FIG A1.33 - Histograma da variação da carga máxima diária ativa
e reativa - Tacalimbó 69 kV

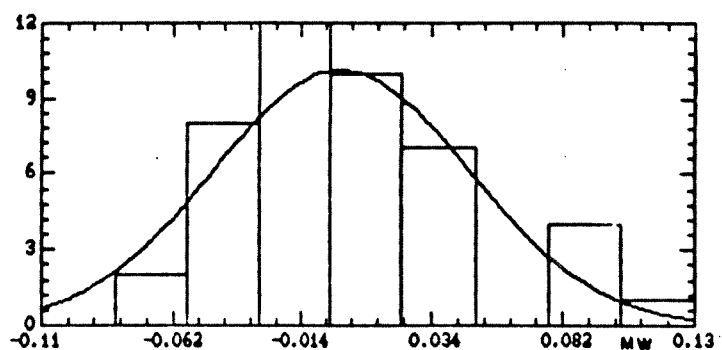


FIG A1.34 - Histograma da variação da carga máxima diária ativa
- Santana dos Matos 69 kV

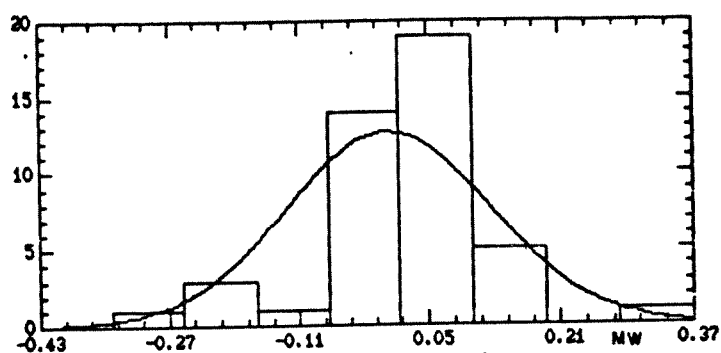


FIG A1.35 - Histograma da variação da carga máxima diária ativa
- Santa Cruz 69 kV

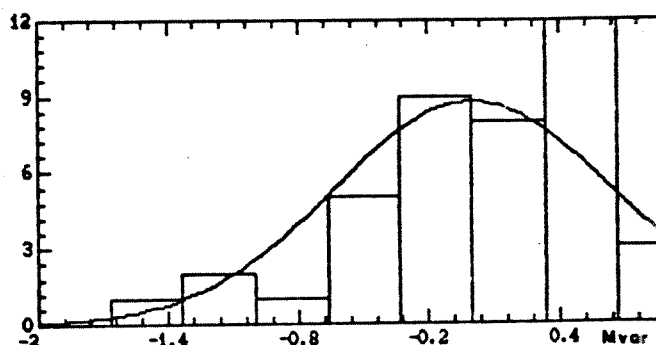
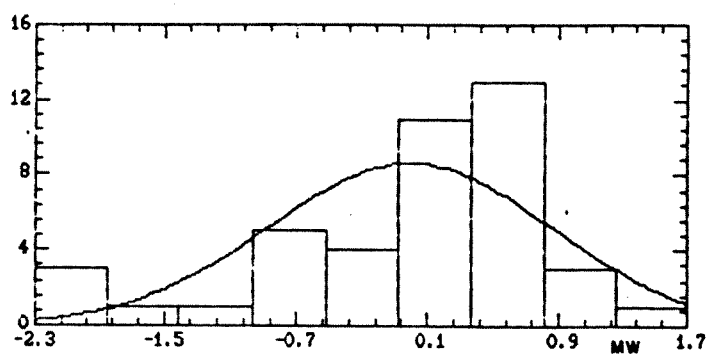


FIG A1.36 - Histograma da variação da carga máxima diária ativa
e reativa - Coberbo 230 kV

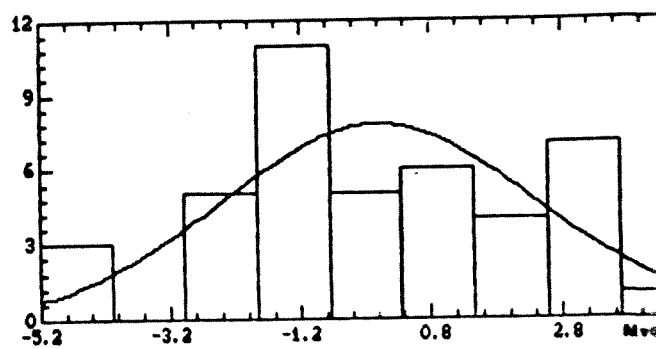
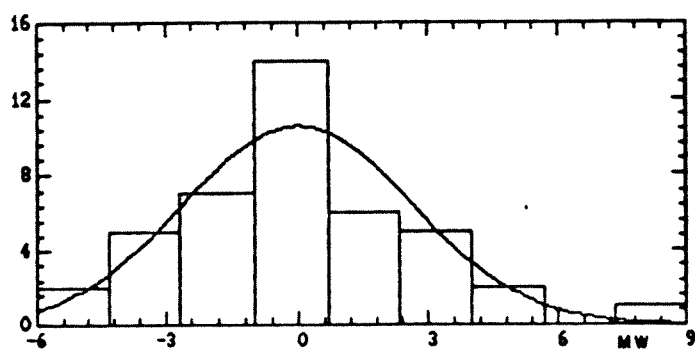


FIG A1.37 - Histograma da variação da carga máxima diária ativa
e reativa - Rio Largo 69 kV

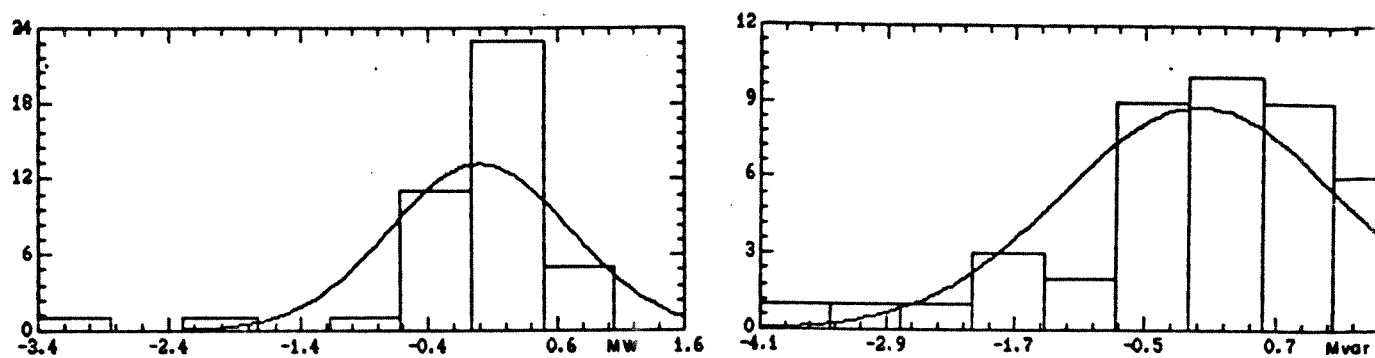


FIG A1.38 - Histograma da variação da carga máxima diária ativa e reativa - Salgema 230 kV