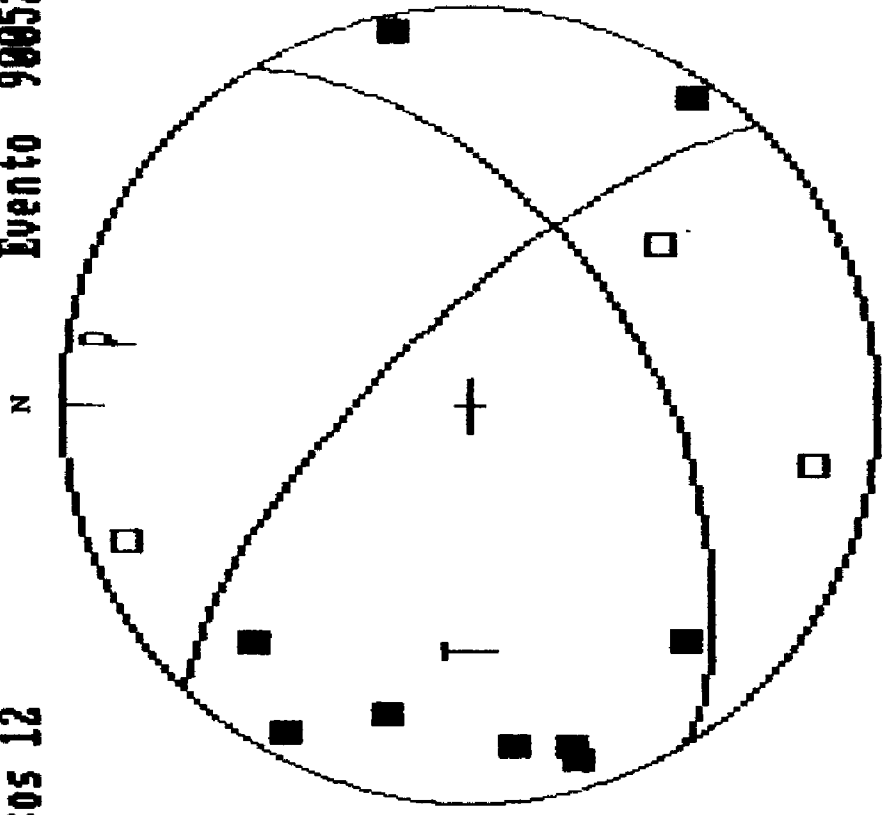


APENDICE I

**MECANISMOS FOCALES
SISMOS CON MAGNITUDES $M_l \geq 3.5$
SECUENCIA SISMICA DE SANTIAGO DE PURISCAL
26 DE MARZO - 11 DE JULIO DE 1990**

Tension (th)= 51 (ph)= 270
 Presion (th)= 78 (ph)= 10
 Num. est = 12 Aciertos 12
 Porc = 1
 Cont= 2

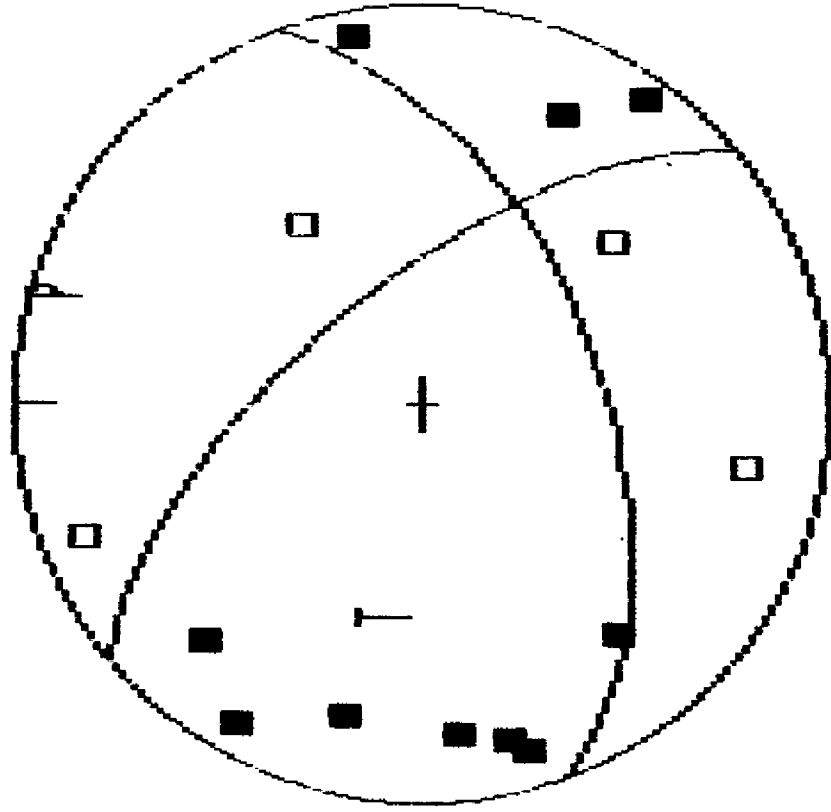
Plano 1 Rum : 315 Buz : 73 Dez : 38
 Plano 2 Rum : 58 Buz : 54 Dez : 21
 Evento 980529 1956 pl



■ CORRESION
 □ DILATACION

Tension (th)= 45 (ph)= 280
 Presion (th)= 83 (ph)= 17
 Num. est = 14 Acieritos 14
 Pore = 1
 Cont= 2

Plano 1 Rum : 320 Buz : 66 Dez : 40
 Plano 2 Rum : 69 Buz : 54 Dez : 30
 Evento 900530 2205 p2

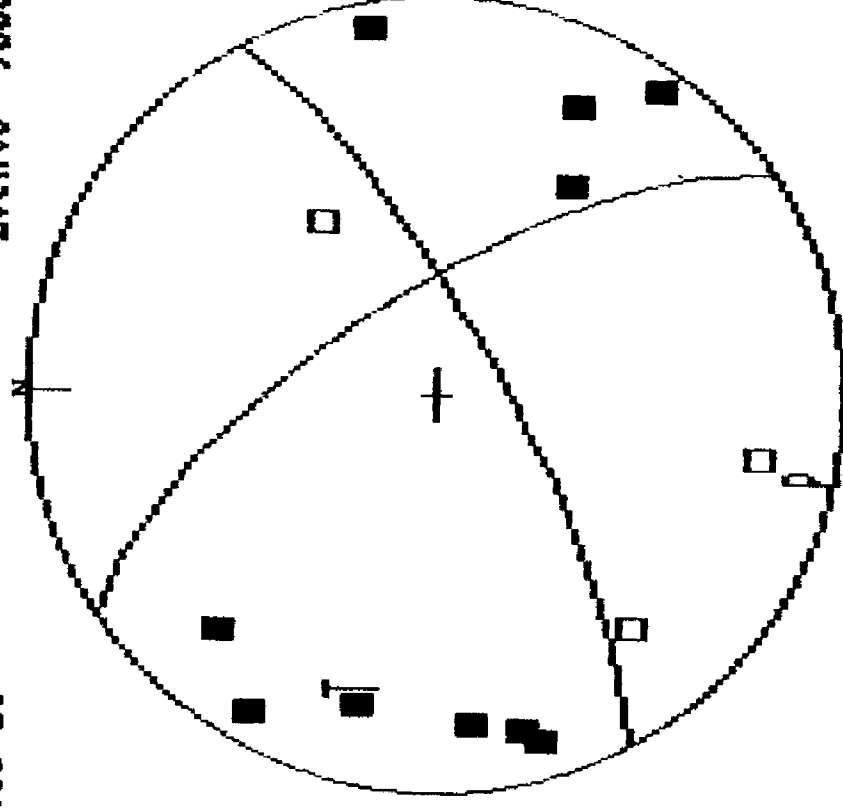


■ COMPRESION

□ DILATACION

Tension (th) = 66 (ph) = 285
 Presion (th) = 84 (ph) = 192
 Num. est = 13 Acieritos 13
 Porc = 1
 Cont = 2

Plano 1 Rum : 326 Buz : 69 Dez : 14
 Plano 2 Rum : 61 Buz : 77 Dez : 22
 Evento 900531 631 p3

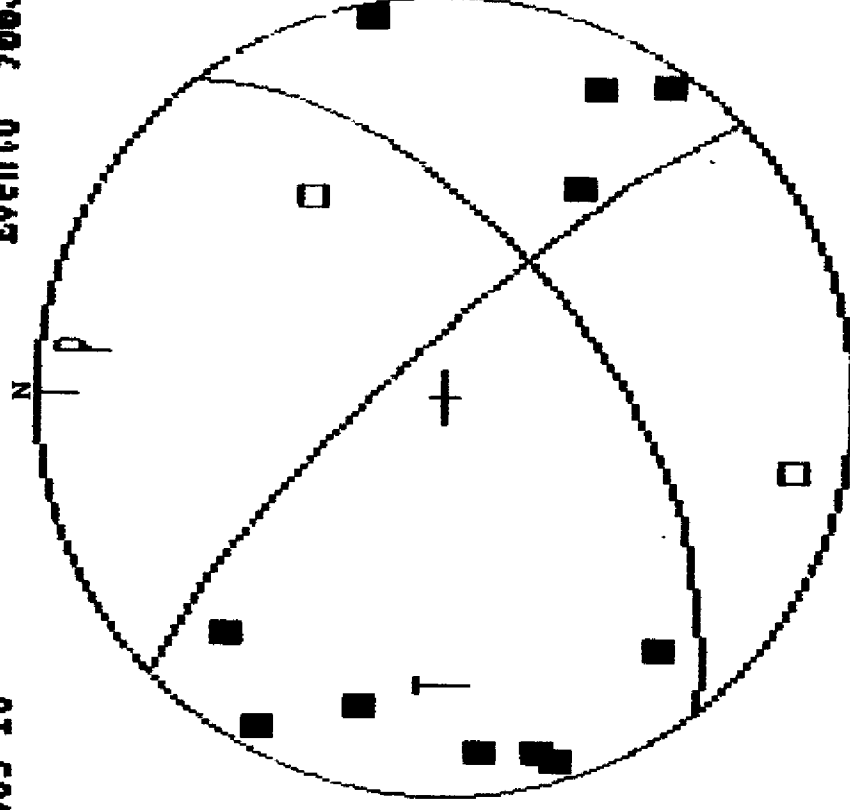


■ COMPRESION

□ DILATACION

Tension (th)= 61 (ph)= 270
 Presion (th)= 76 (ph)= 7
 Num, est = 13 Acieritos 13
 Porc = 1
 Cont= 2

Plano 1 Rum : 316 Buz : 80 Dez : 31
 Plano 2 Rum : 52 Buz : 59 Dez : 12
 Evento 900531 859 p4

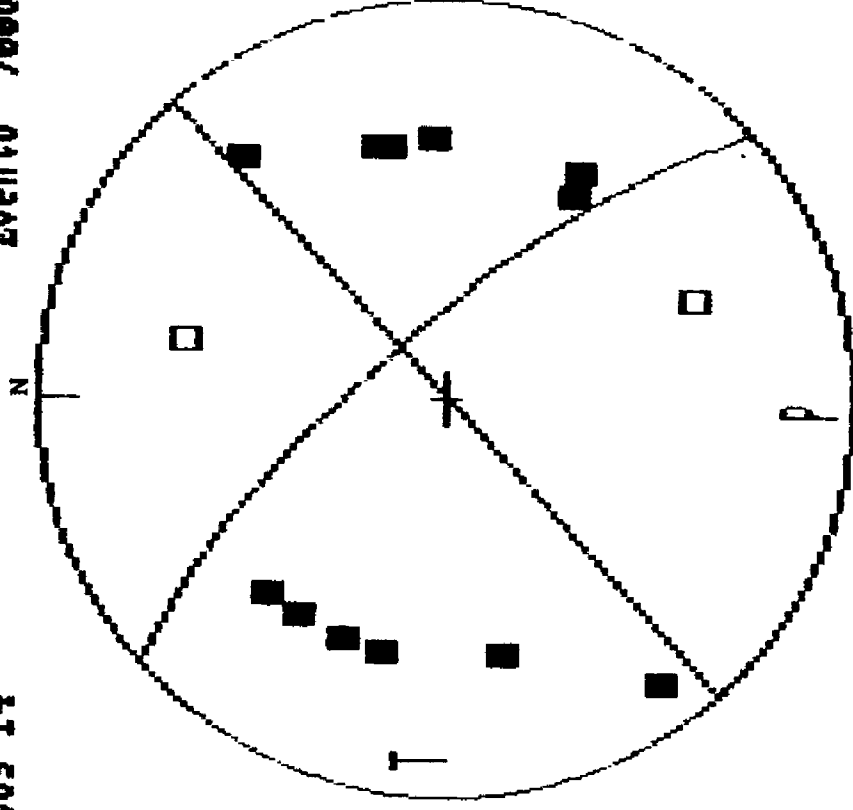


■ COMPRESION

□ DILATACION

Tension (th)= 80 (ph)= 274
 Presion (th)= 80 (ph)= 182
 Num. est = 14 Aciertos 14
 Porc = 1
 Cont= 2

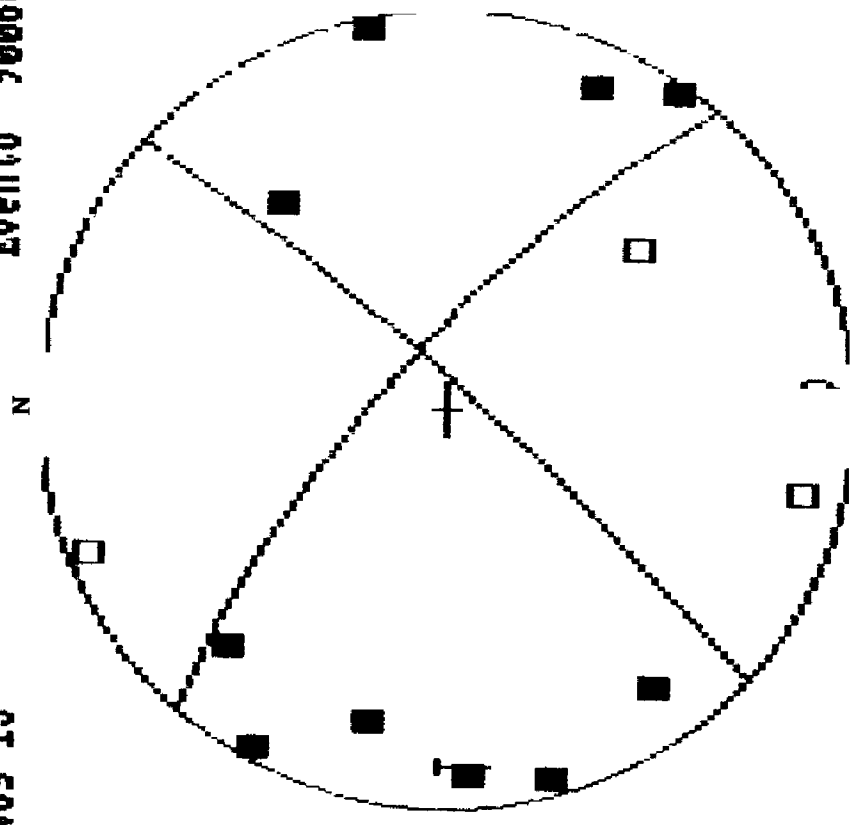
Plano 1 Rum : 318 Buz : 76 Dez : 0
 Plano 2 Rum : 48 Buz : 90 Dez : 14
 Evento 900601 257 p5



■ COMPRESION
 □ DILATACION

Tension (th)= 78 (ph)= 267
 Presion (th)= 85 (ph)= 176
 Num. est = 13 Acieritos 13
 Porc = 1
 Cont= 2

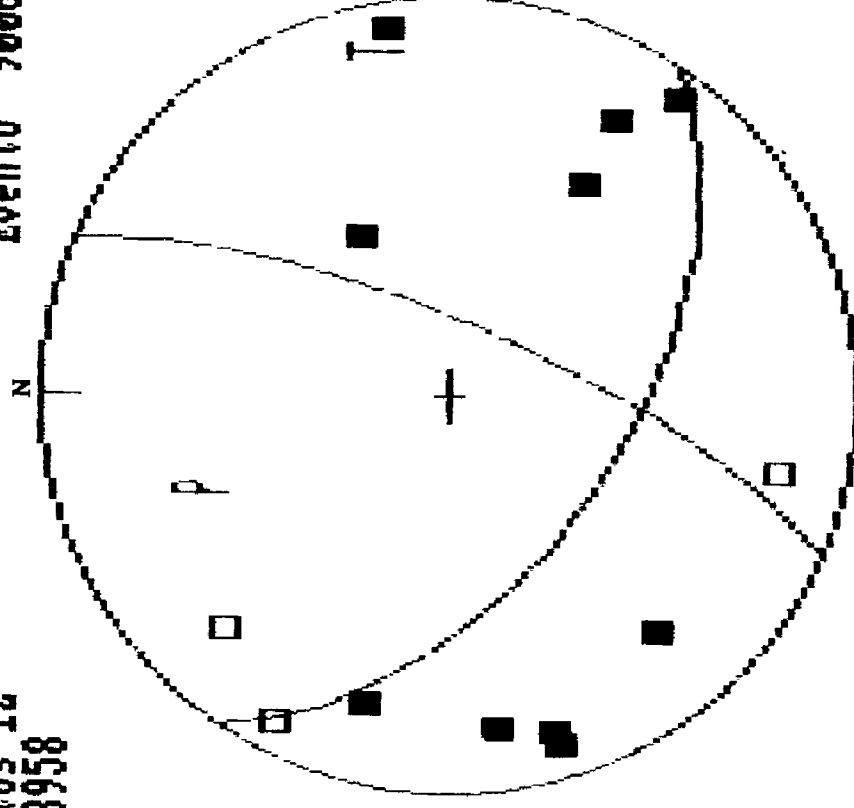
Plano 1 Rum : 311 Buz : 78 Dez : 5
 Plano 2 Rum : 42 Buz : 85 Dez : 12
 Evento 900601 328 p6



■ COMPRESION
 □ DILATACION

Tension (th)= 77 (ph)= 77
 Presion (th)= 54 (ph)= 338
 Num, est = 13 Aciertos 12
 Porc = .9230769276618958
 Cont= 2

Plano 1 Rum : 124 Buz : 55 Dez : 19
 Plano 2 Rum : 23 Buz : 75 Dez : 36
 Evento 900601 1037 p7

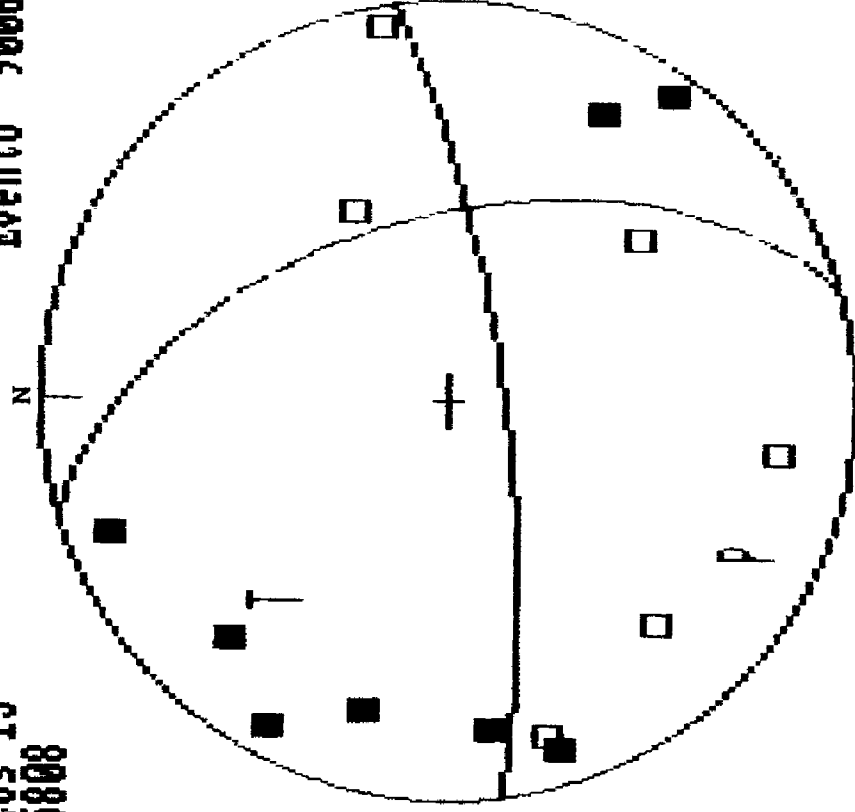


■ COMPRESION

□ DILATACION

Tension (th)= 55 (ph)= 310
 Presion (th)= 73 (ph)= 207
 Num, est = 14 Acieritos 13
 Porc = .9285714030265808
 Cont= 2

Plano 1 Rum : 343 Buz : 52 Dez : 14
 Plano 2 Rum : 82 Buz : 79 Dez : 39
 Evento 900607 1712 p8

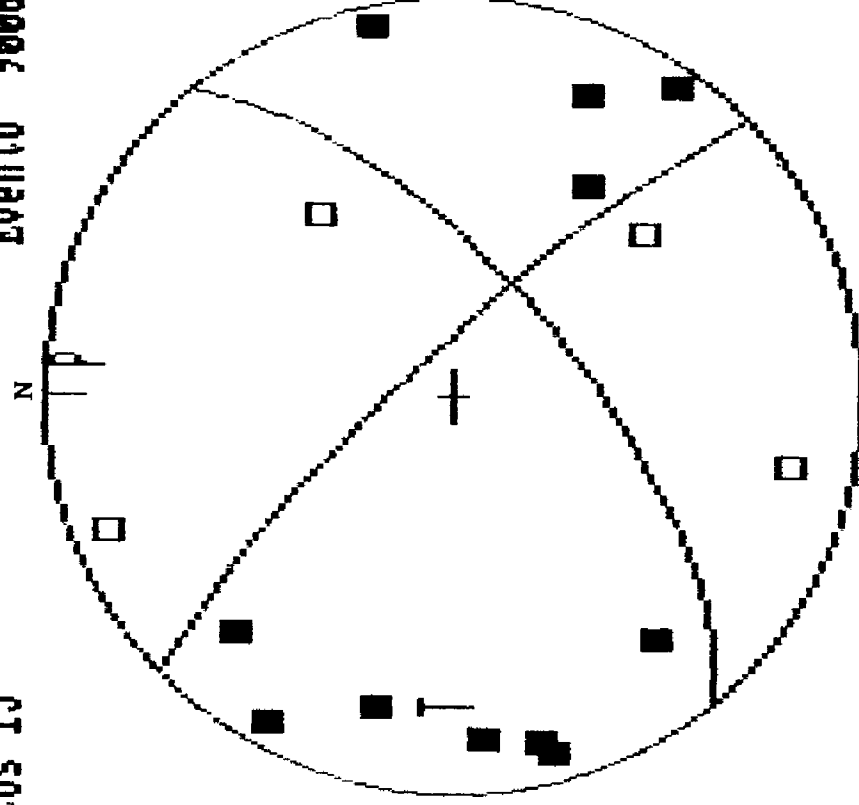


■ COMPRESION

□ DILATACION

Tension (th)= 67 (ph)= 271
 Presion (th)= 80 (ph)= 5
 Num. est = 15 Aciertos 15
 Porc = 1
 Cont= 21

Plano 1 Rum : 316 Buz : 81 Dez : 24
 Plano 2 Rum : 50 Buz : 66 Dez : 10
 Evento 900608 31 p9

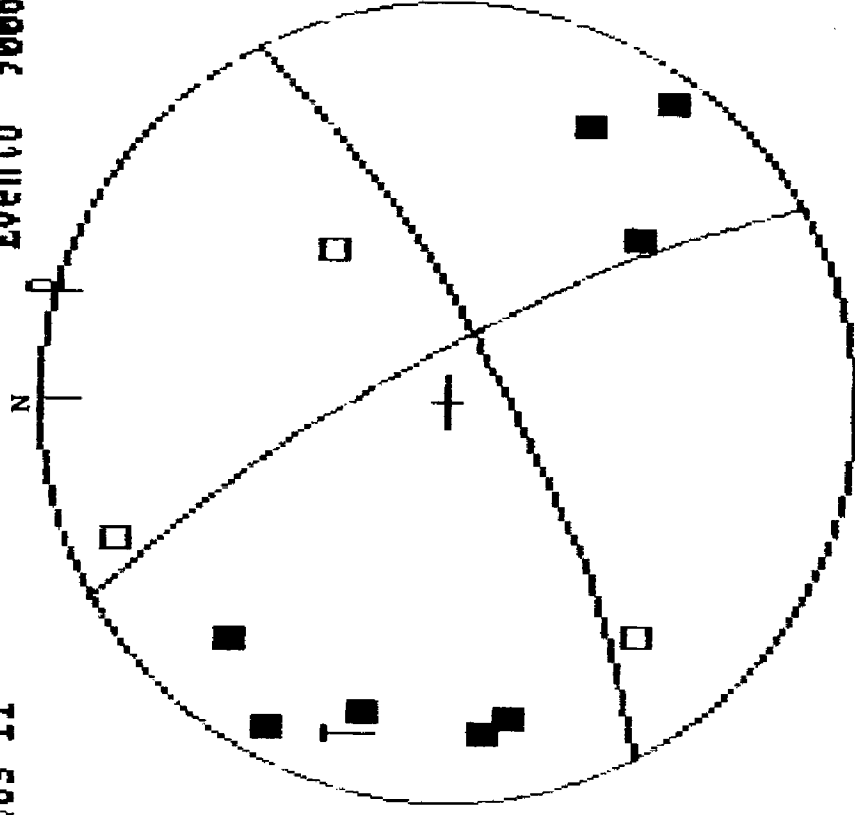


■ COMPRESION

□ DILATACION

Tension (th)= 75 (ph)= 286
 Presion (th)= 89 (ph)= 16
 Num. est = 11 Aciertos 11
 Porc = 1
 Cont= 2

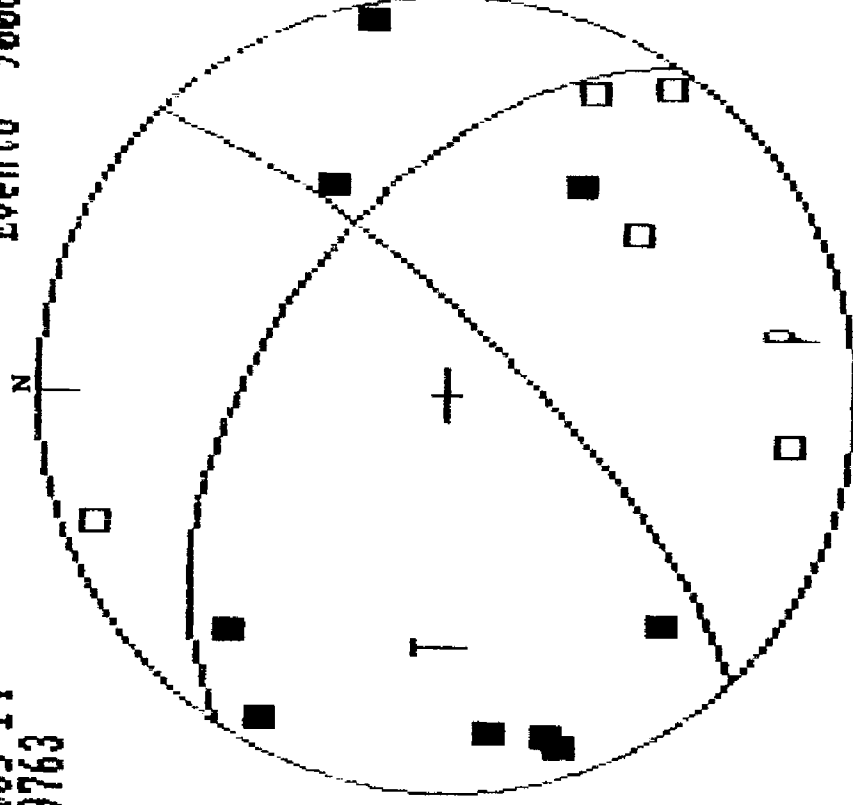
Plano 1 Rum : 330 Buz : 80 Dez : 11
 Plano 2 Rum : 62 Buz : 79 Dez : 10
 Evento 900608 1346 p10



■ COMPRESION
 □ DILATACION

Tension (th) = 53 (ph) = 271
 Presion (th) = 75 (ph) = 170
 Num. est = 15 Acieritos 14
 Porc = .9333333373069763
 Cont = 2

Plano 1 Rum : 304 Buz : 53 Dez : 18
 Plano 2 Rum : 45 Buz : 76 Dez : 38
 Evento 900608 1547 pl1

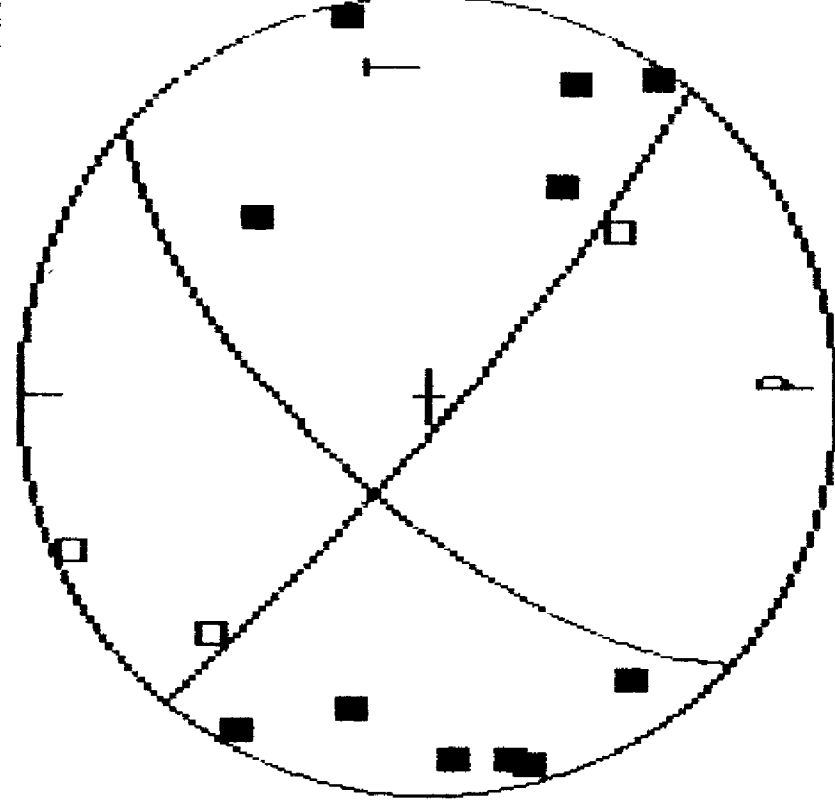


■ COMPRESION

□ DILATACION

Tension (th)= 71 (ph)= 84
 Presion (th)= 78 (ph)= 178
 Num. est = 14 Aciertos 14
 Porc = 1
 Cont= 2

Plano 1 Rum : 130 Buz : 85 Dez : 22
 Plano 2 Rum : 222 Buz : 68 Dez : 5
 Evento 900608 1942 p12

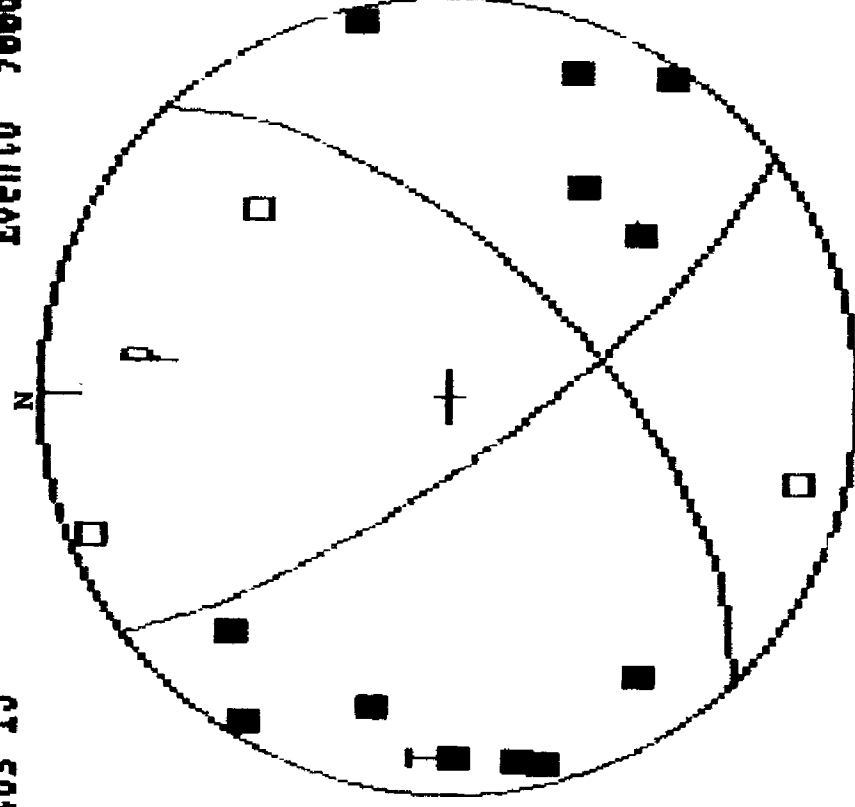


■ COMPRESION

□ DILATACION

Tension (th)= 80 (ph)= 272
 Presion (th)= 61 (ph)= 8
 Num. est = 15 Acieros 15
 Porc = 1 "
 Cont= 2

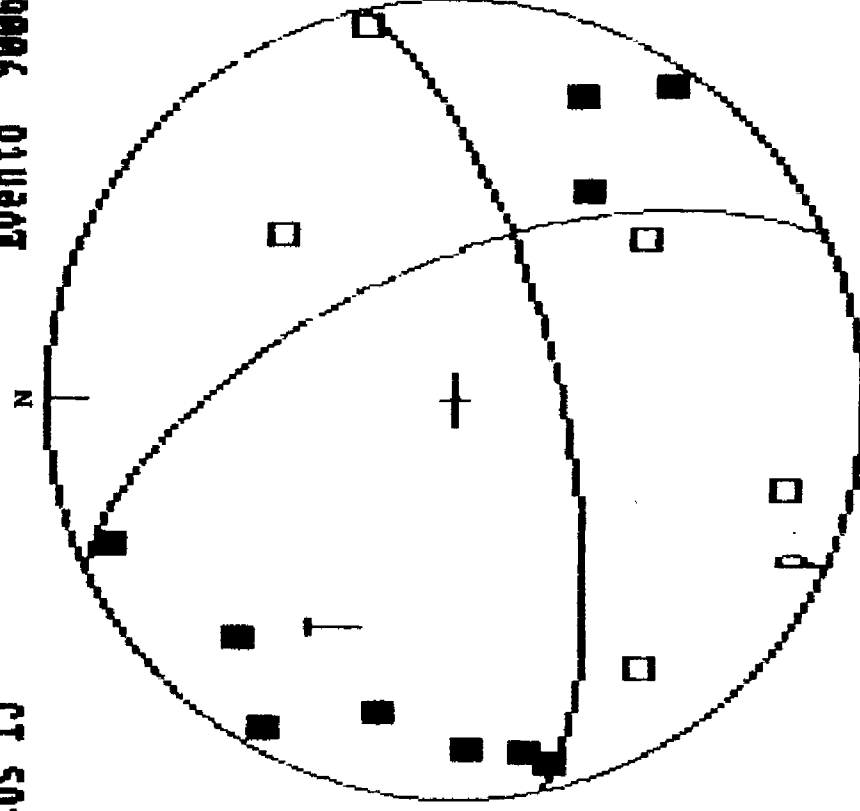
Plano 1 Rum : 143 Buz : 77 Dez : 29
 Plano 2 Rum : 46 Buz : 62 Dez : 15
 Evento 900609 34 p13



■ COMPRESION
 □ DILATACION

Tension (th)= 54 (ph)= 298
 Presion (th)= 86 (ph)= 205
 Num. est = 15 Acieritos 15
 Porc = 1
 Cont= 2

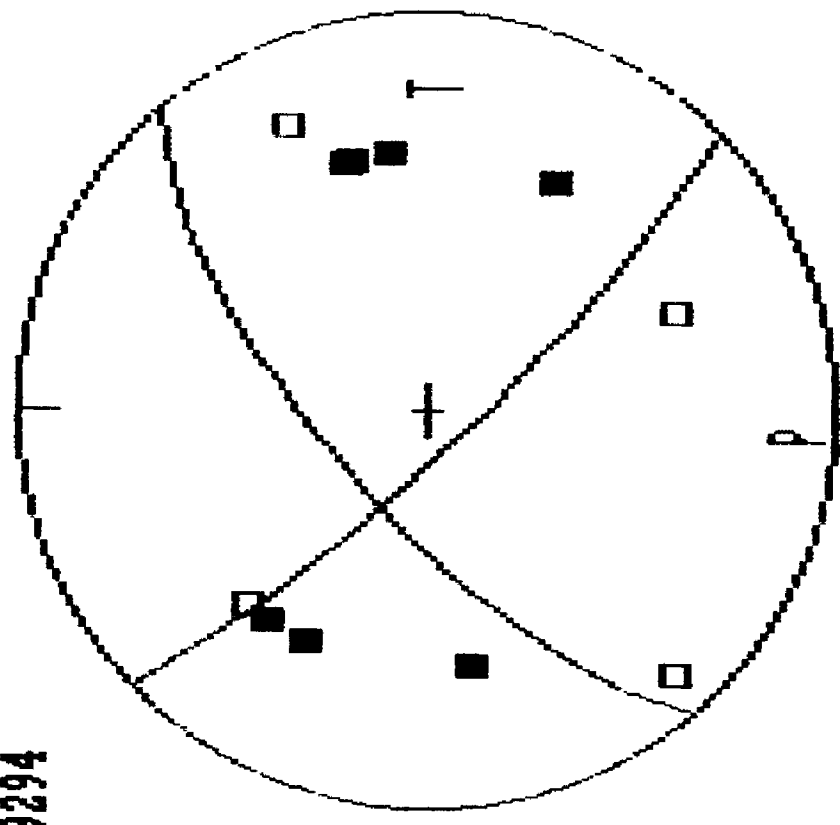
Plano 1 Rum : 335 Buz : 62 Dez : 24
 Plano 2 Rum : 77 Buz : 69 Dez : 30
 Evento 900609 1440 p14



■ COMPRESION
 □ DILATACION

Tension (th)= 70 (ph)= 91
 Presion (th)= 81 (ph)= 184
 Num. est = 11 Acieritos 10
 Porc = .9090909361839294
 Cont= 2

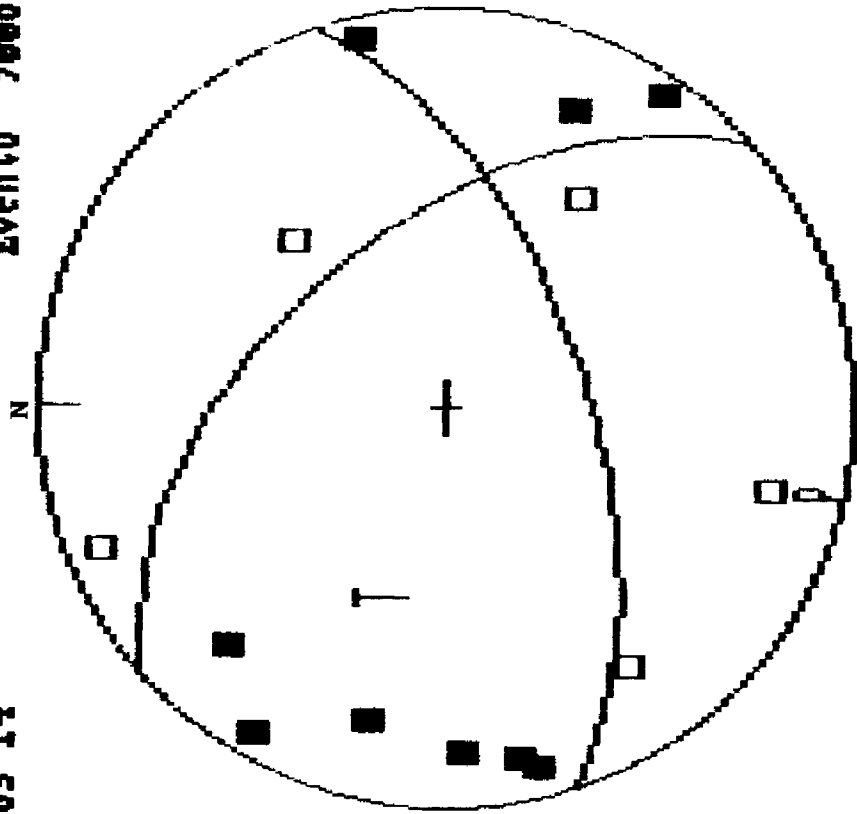
Plano 1 Rum : 136 Buz : 82 Dez : 21
 Plano 2 Rum : 229 Buz : 70 Dez : 9
 Evento 900613 502 p15



■ COMPRESION
 □ DILATACION

Tension (th) = 41 (ph) = 288
 Presion (th) = 85 (ph) = 193
 Num. est = 14 Acieritos 14
 Porc = 1
 Cont = 2

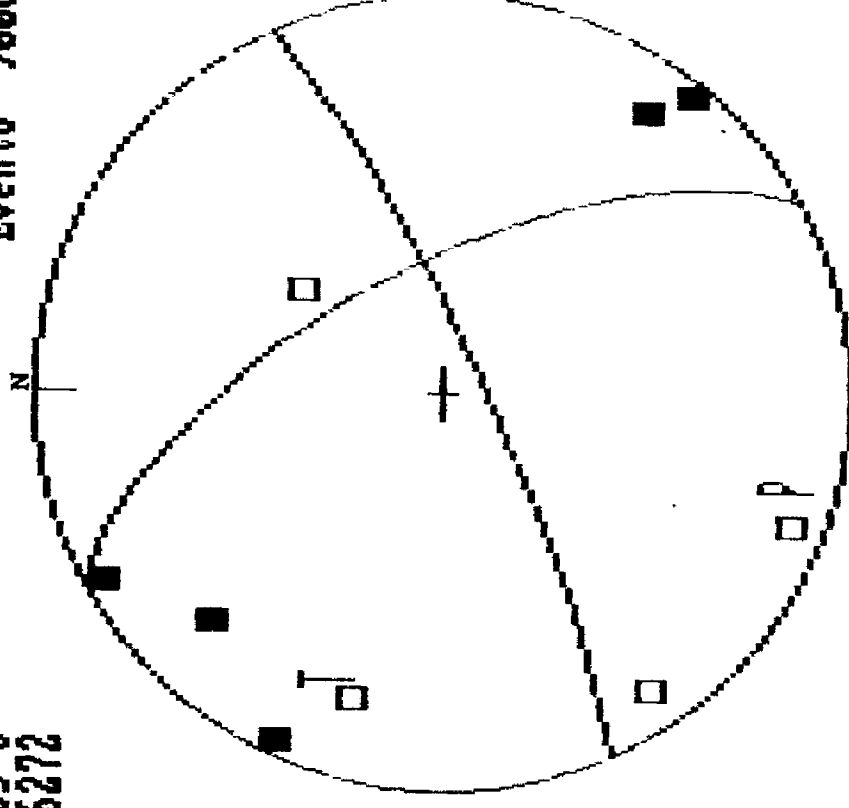
Plano 1 Rum : 318 Buz : 54 Dez : 36
 Plano 2 Rum : 71 Buz : 62 Dez : 42
 Evento 900616 222 p16



■ COMPRESION
 □ DILATACION

Tension (th)= 66 (ph)= 291
 Presion (th)= 78 (ph)= 195
 Num. est = 9 Aciertos 8
 Porc = .888888955116272
 Cont= 2

Plano 1 Rum : 331 Buz : 64 Dez : 9
 Plano 2 Rum : 65 Buz : 82 Dez : 26
 Evento 900630 1457 p21

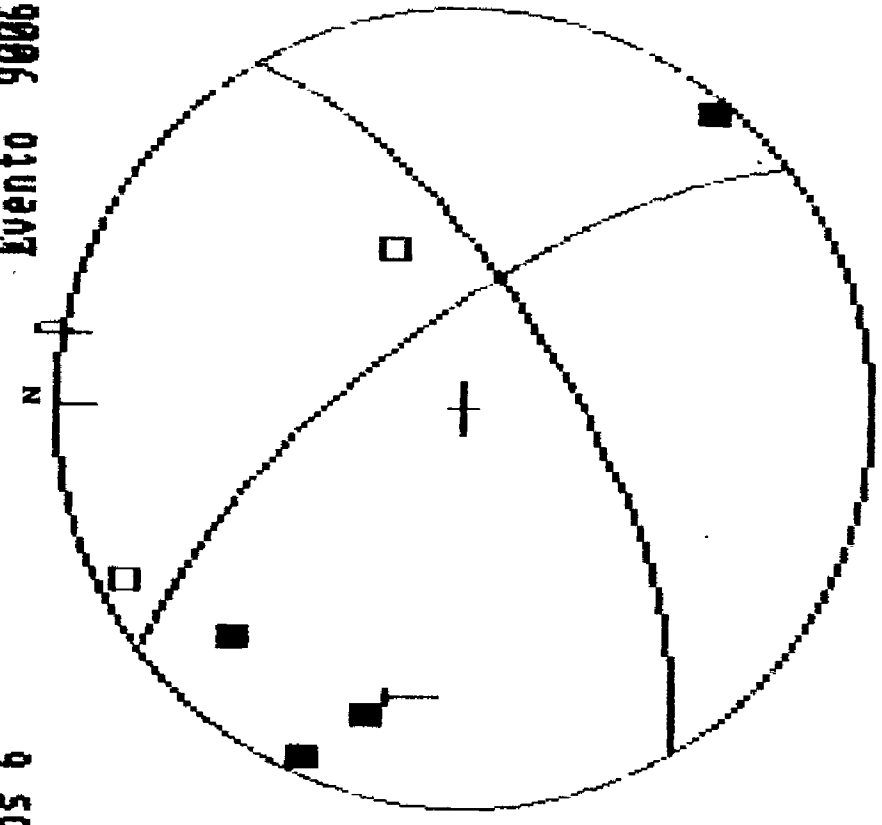


■ COMPRESION

□ DILATACION

Tension (th)= 62 (ph)= 280
 Presion (th)= 88 (ph)= 11
 Num. est = 6 Aciertos 6
 Porc = 1
 Cont= 2

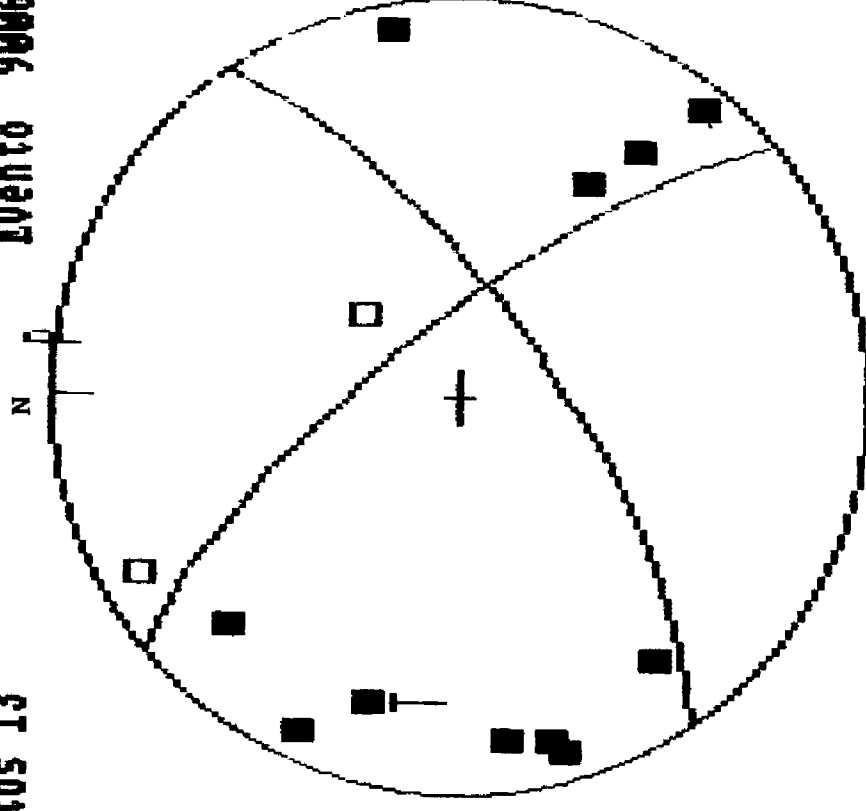
Plano 1 Rum : 322 Buz : 72 Dez : 22
 Plano 2 Rum : 59 Buz : 69 Dez : 19
 Evento 900630 1459 p22



■ COMPRESION
 □ DILATACION

Tension (th)= 66 (ph)= 277
 Presion (th)= 88 (ph)= 8
 Num. est = 13 Acieritos 13
 Porc = 1
 Cont= 2

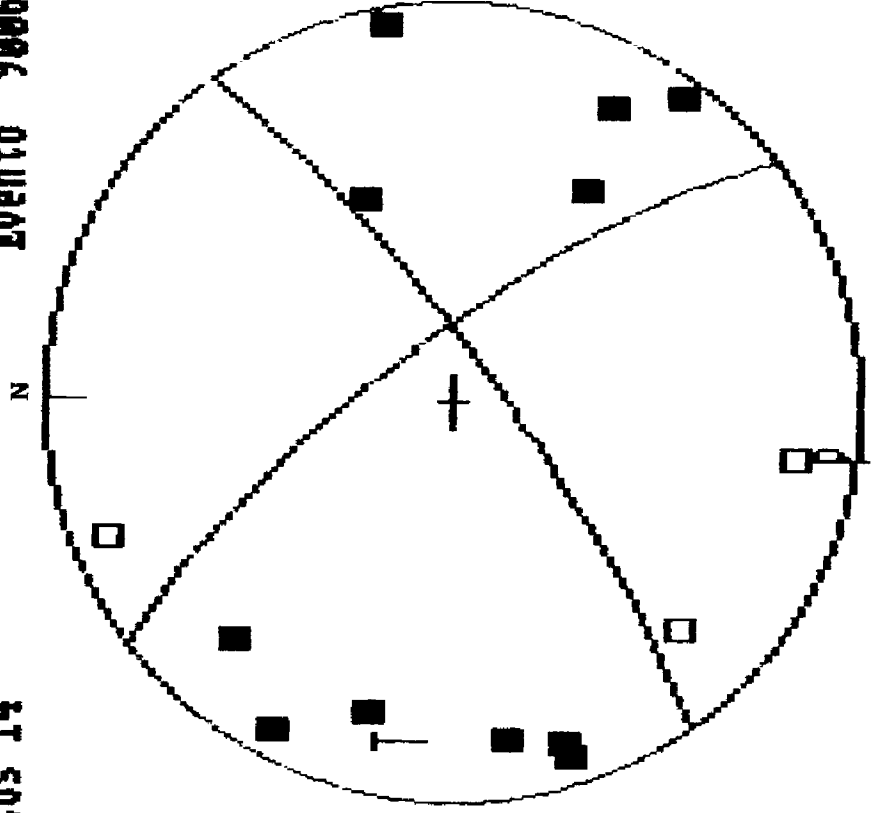
Plano 1 Rum : 320 Buz : 75 Dez : 19
 Plano 2 Rum : 55 Buz : 72 Dez : 16
 Evento 900618 909 p17



■ COMPRESION
 □ DILATACION

Tension (th)= 75 (ph)= 278
 Presion (th)= 87 (ph)= 188
 Num. est = 14 Aciertos 14
 Porc = 1
 Cont= 2

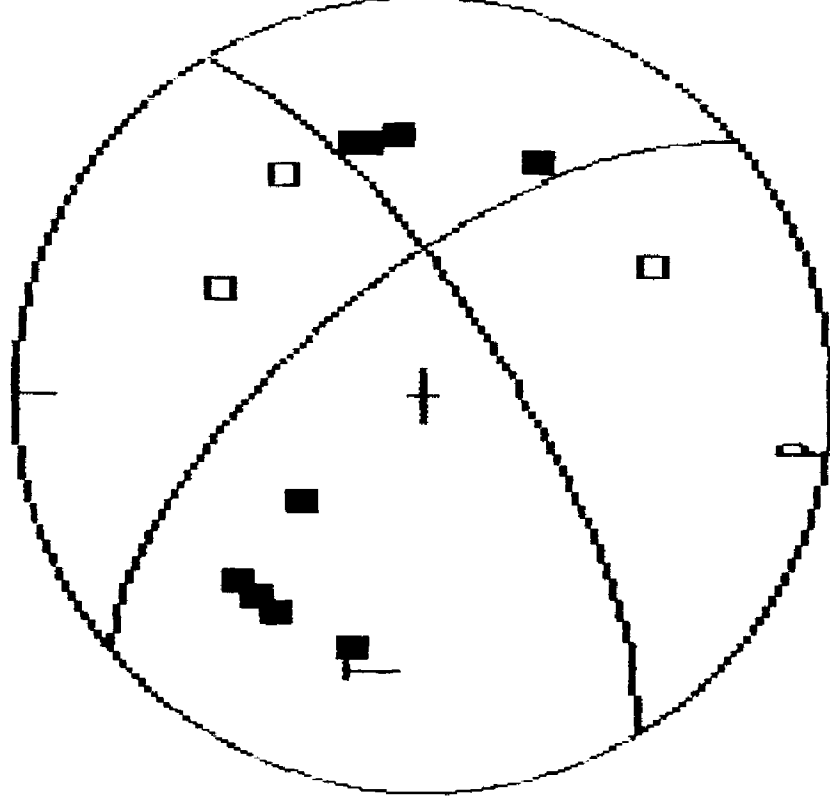
Plano 1 Rum : 322 Buz : 77 Dez : 9
 Plano 2 Rum : 54 Buz : 81 Dez : 13
 Evento 900620 429 p18



■ COMPRESSION
 □ DILATACION

Tension (th) = 60 (ph) = 280
Presion (th) = 86 (ph) = 188
Num. est = 12 Aciertos 12
Porc = 1 2
Cont=

Plano 1 Rum	: 320	Buz	: 66	Dez	: 19
Plano 2 Rum	: 58	Buz	: 73	Dez	: 25
Evento	900630	1451	p19		

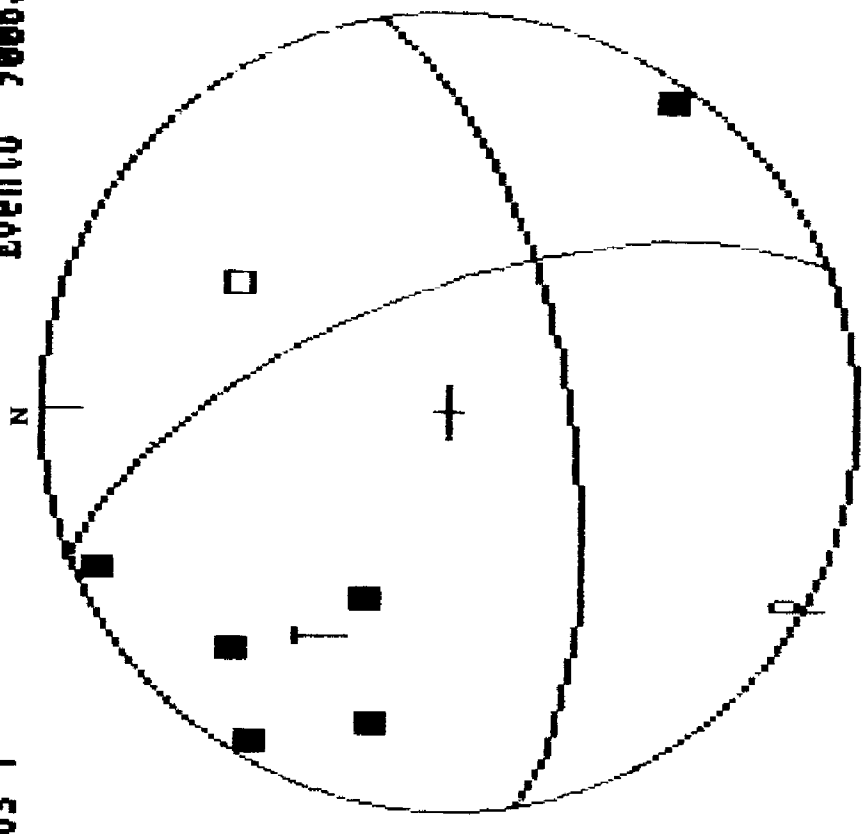


■ COMPRESSION

□ DILATACION

Tension (th)= 54 (ph)= 299
 Presion (th)= 89 (ph)= 209
 Num, est = 7 Acieritos 7
 Porc = 1
 Cont= 2

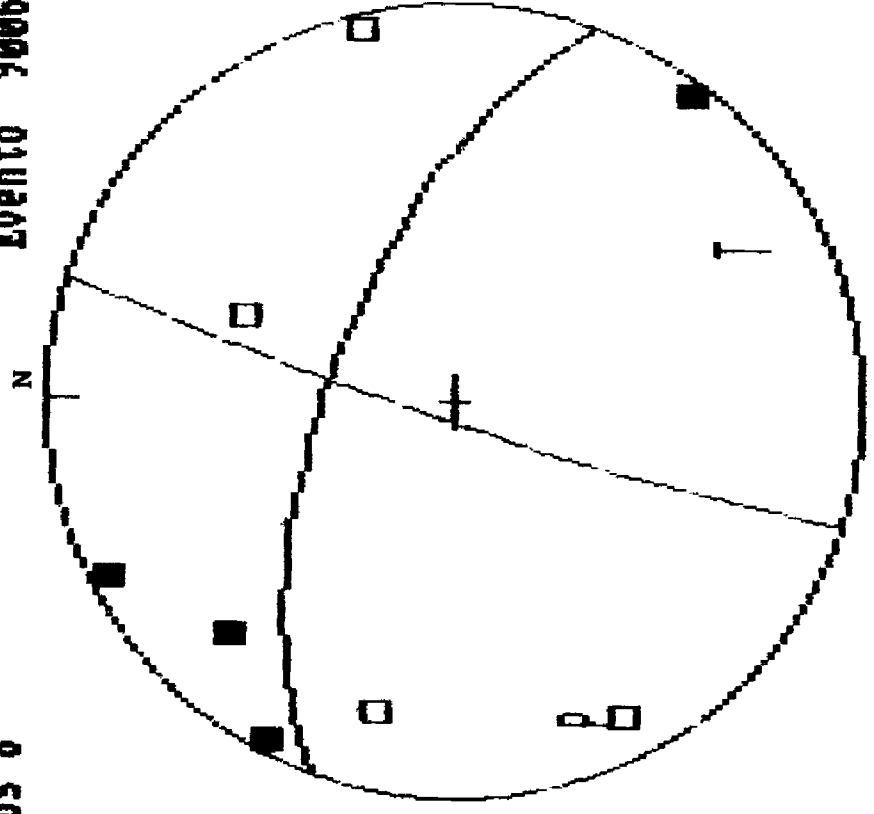
Plano 1 Rum : 338 Buz : 65 Dez : 27
 Plano 2 Rum : 80 Buz : 66 Dez : 28
 Evento 900630 1455 p20



■ COMPRESION
 □ DILATACION

Tension (th)= 69 (ph)= 151
 Presion (th)= 76 (ph)= 247
 Num. est = 8 Acieritos 8
 Porc = 1
 Cont= 19

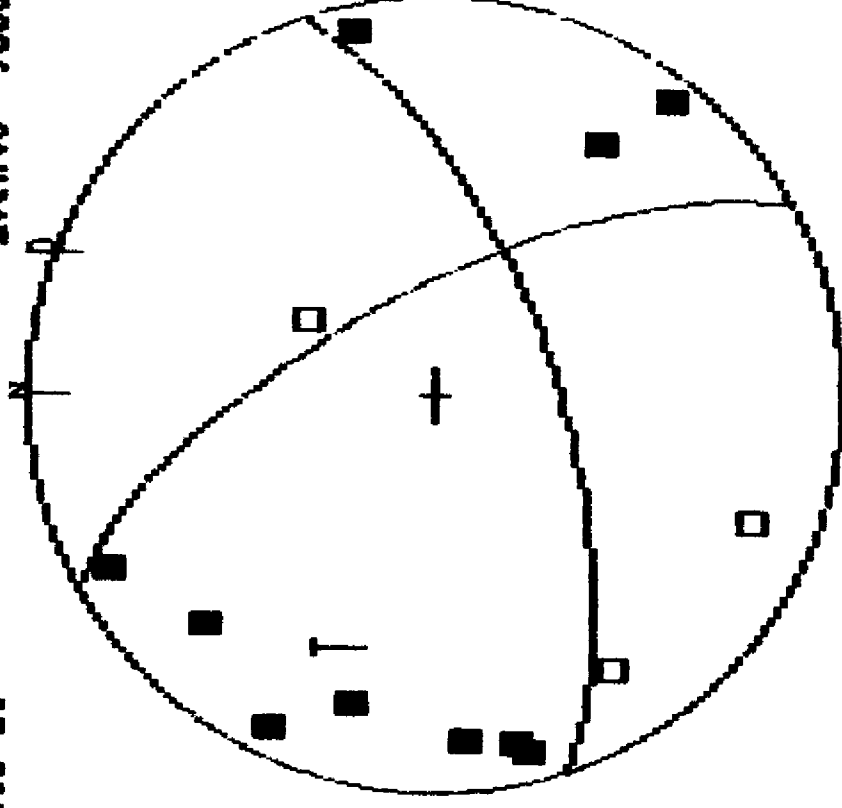
Plano 1 Rum : 290 Buz : 65 Dez : 5
 Plano 2 Rum : 198 Buz : 86 Dez : 25
 Evento 900630 1501 p23



■ COMPRESION
 □ DILATACION

Tension (th)= 57 (ph)= 290
 Presion (th)= 88 (ph)= 22
 Num. est = 13 Acieros 13
 Porc = 1
 Cent= 17

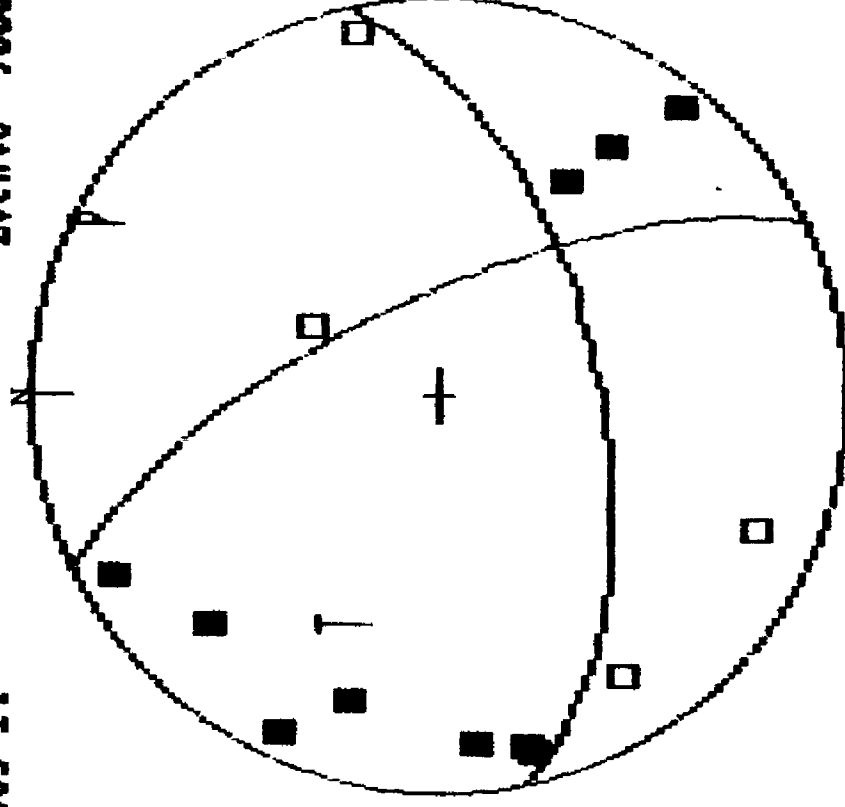
Plano 1 Rum : 331 Buz : 69 Dez : 26
 Plano 2 Rum : 71 Buz : 66 Dez : 23
 Evento 900630 1749 p24



■ COMPRESION
 □ DILATACION

Tension (th)= 52 (ph)= 292
 Presion (th)= 83 (ph)= 28
 Num. est = 14 Acieros 14
 Porc = 1
 Cont= 31

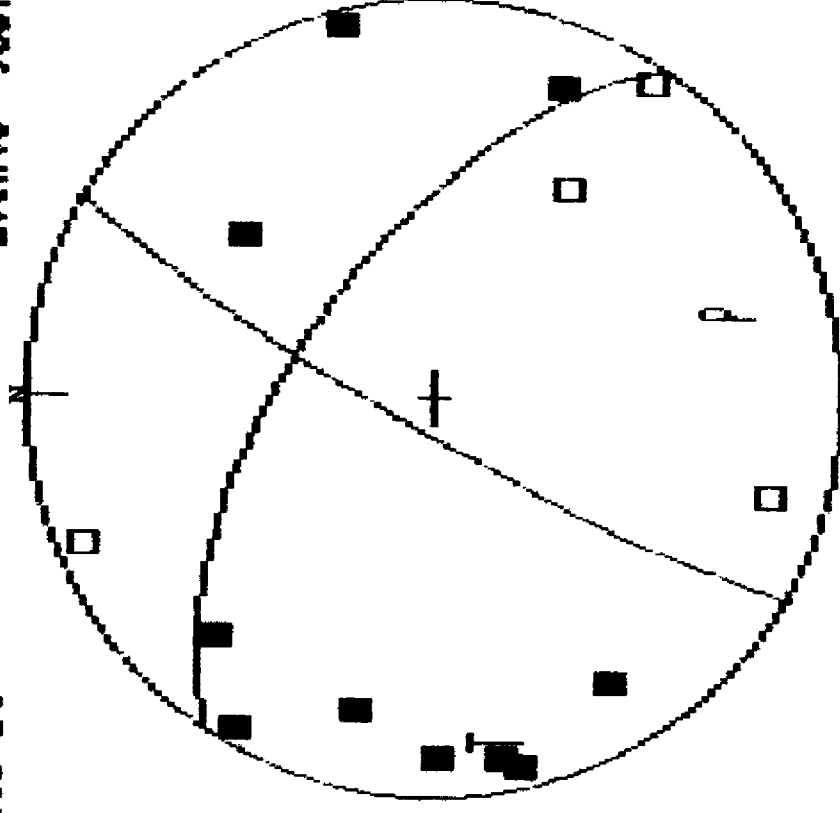
Plano 1 Rum : 334 Buz : 70 Dez : 34
 Plano 2 Rum : 77 Buz : 58 Dez : 24
 Evento 900630 1841 p25



■ COMPRESION
 □ DILATACION

Tension (th) = 76 (ph) = 260
 Presion (th) = 65 (ph) = 163
 Num. est = 14 Aciertos 14
 Porc = 1
 Cont = 38

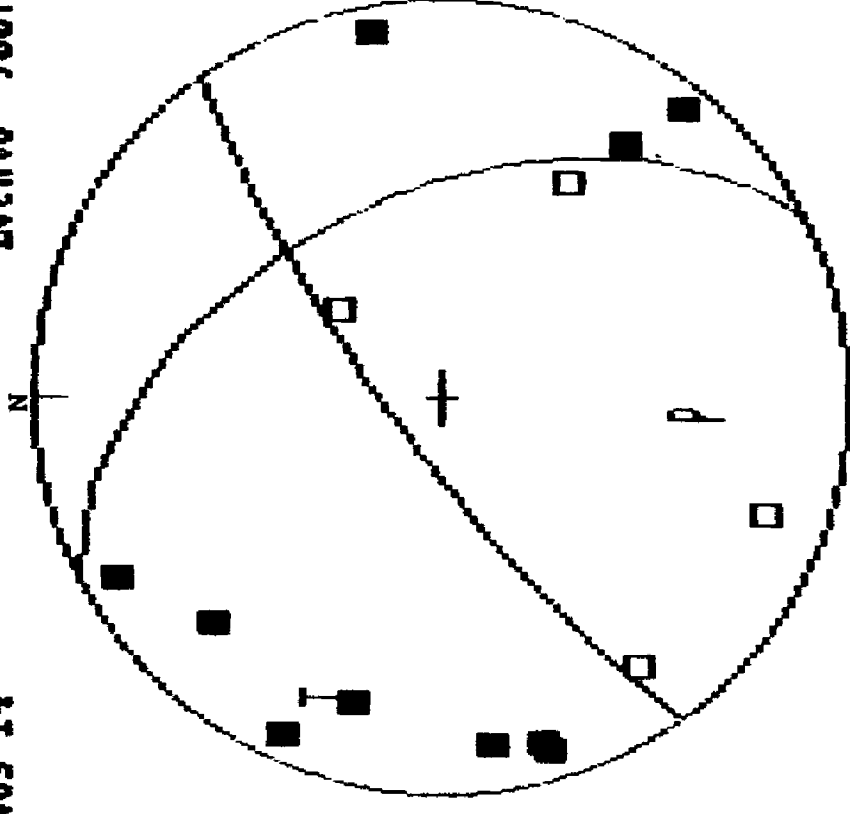
Plano 1 Rum : 304 Buz : 62 Dez : 8
 Plano 2 Rum : 210 Buz : 83 Dez : 28
 Evento 900701 37 p26



■ COMPRESION
 □ DILATACION

Tension (th)= 69 (ph)= 290
 Presion (th)= 54 (ph)= 184
 Num. est = 14 Aciertos 14
 Porc = 1
 Cont= 11

Plano 1 Rum : 333 Buz : 48 Dez : 13
 Plano 2 Rum : 234 Buz : 80 Dez : 43
 Evento 900701 253 p27



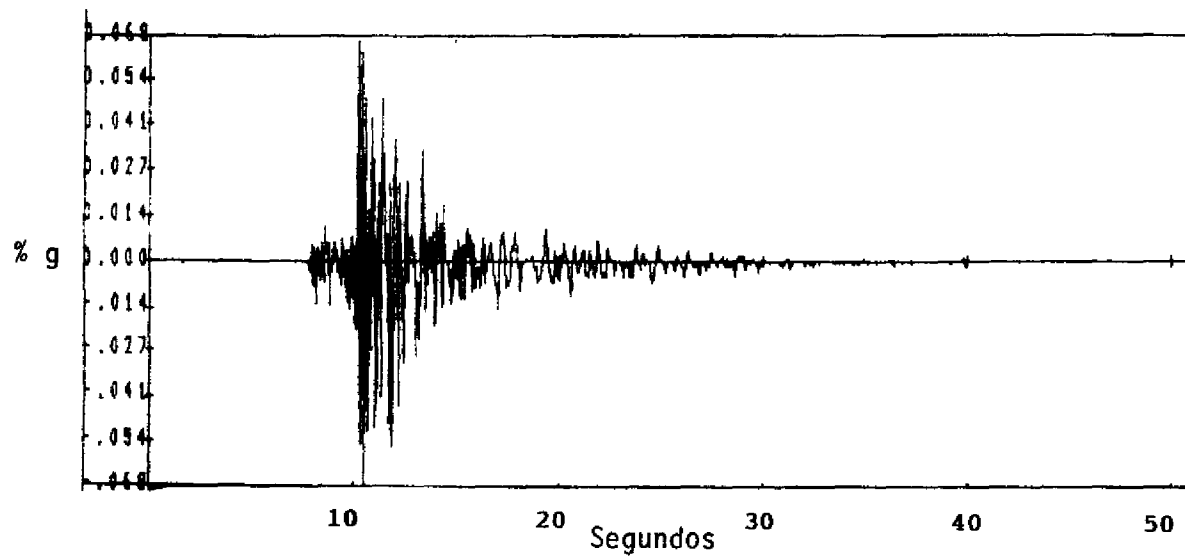
■ COMPRESION
 □ DILATACION

APENDICE II

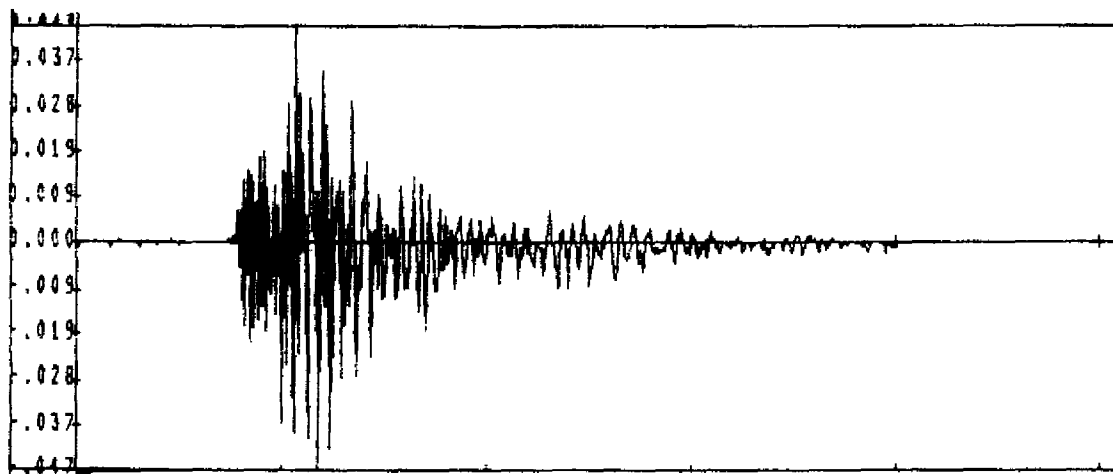
**ACELEROGRAMAS DE LAS CUATRO REPLICAS DEL
SISMO PRINCIPAL M1 = 5.0
DEL 30 DE JUNIO DE 1990
Y GRAFICAS DE ATENUACION ENTRE
LAS ESTACIONES DE GUAYABO Y HEREDIA
SECUENCIA SISMICA DE SANTIAGO DE PURISCAL
26 DE MARZO - 11 DE JULIO DE 1990**

ACELEROGRAMA

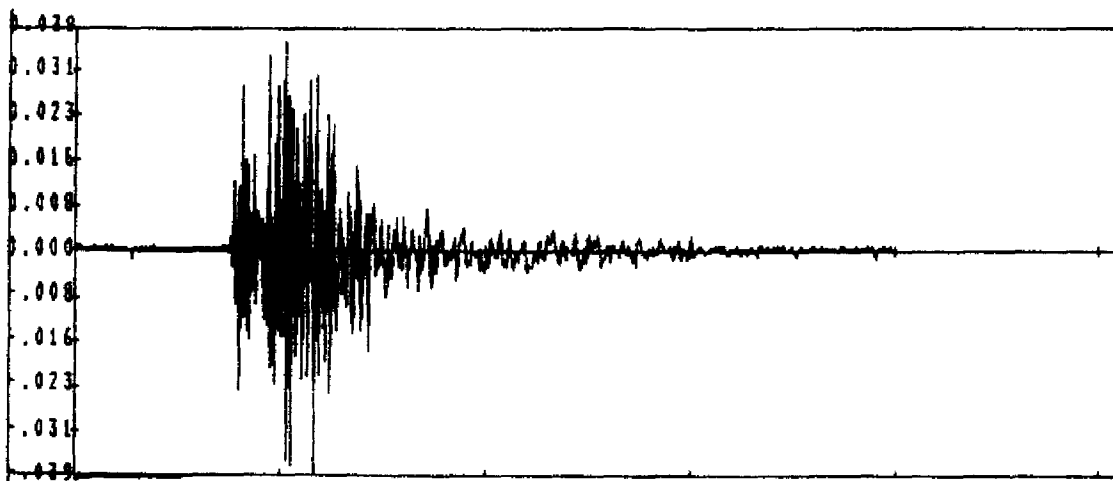
ESTACION: GUAYABO (GYBO) Hora Local: 8:55 ML: 4.5



COMPONENTE N-S



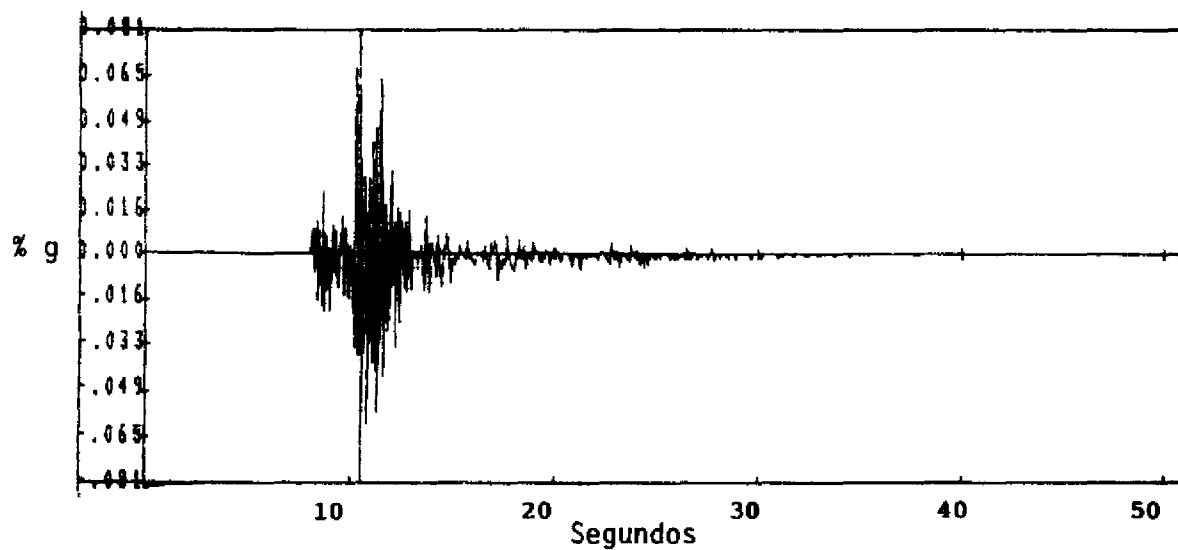
COMPONENTE E-W



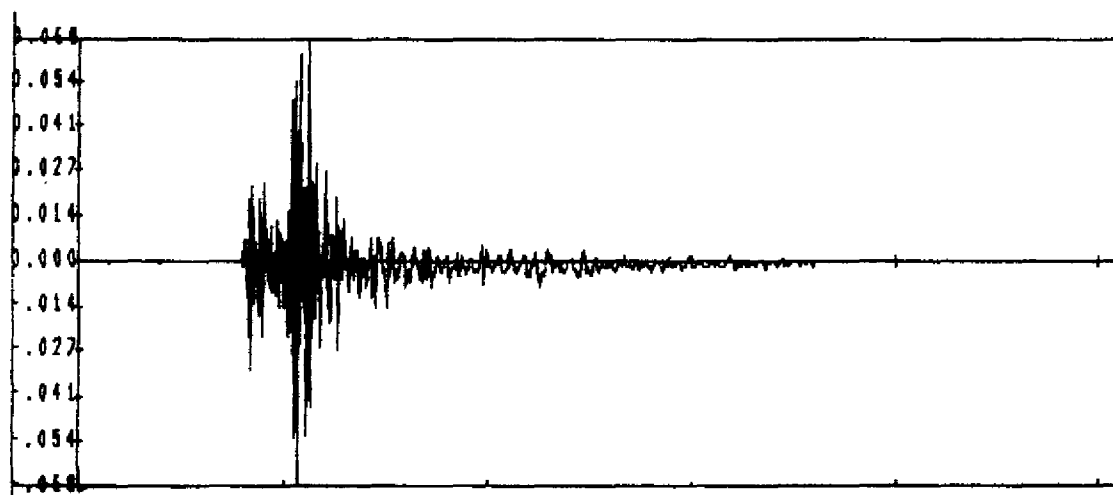
COMPONENTE VERT

ACELEROGRAMA

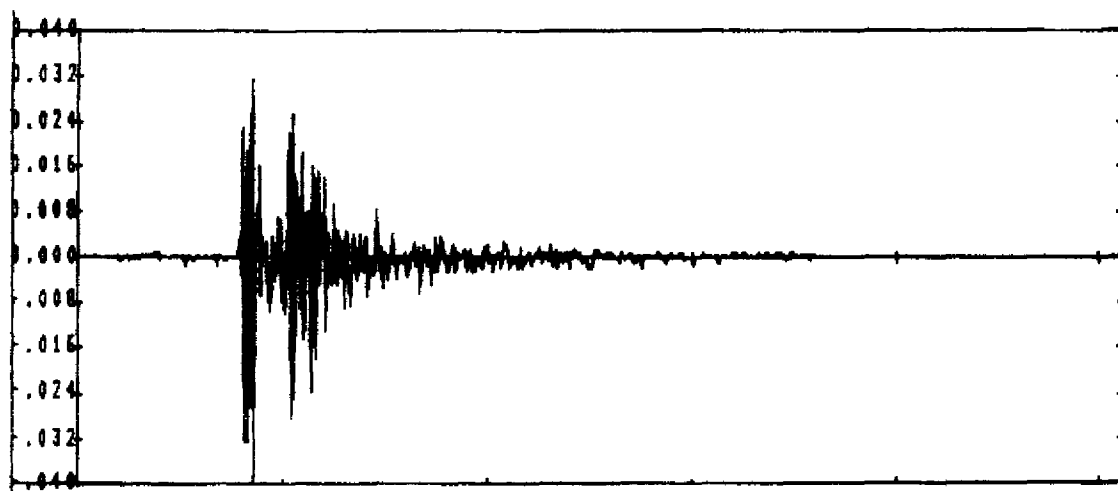
ESTACION: GUAYABC (GYBC) Hora Local: 8:57 ML: 4.3



COMPONENTE N-S



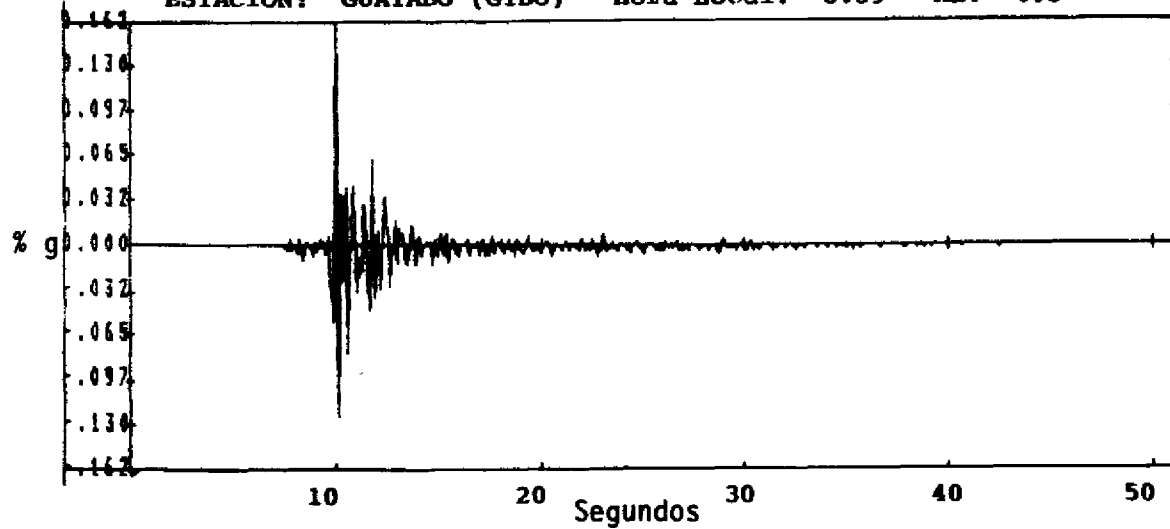
COMPONENTE E-W



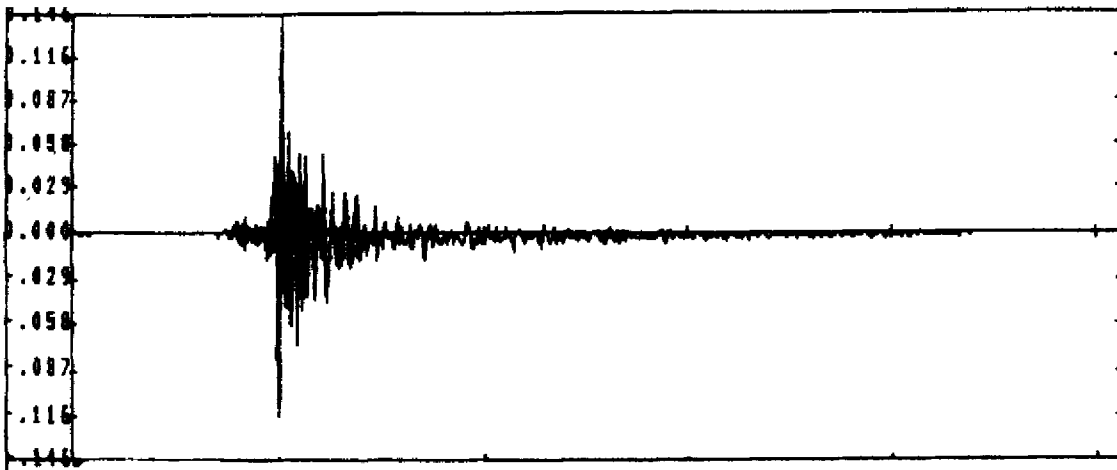
COMPONENTE VERT

ACELEROGRAMA

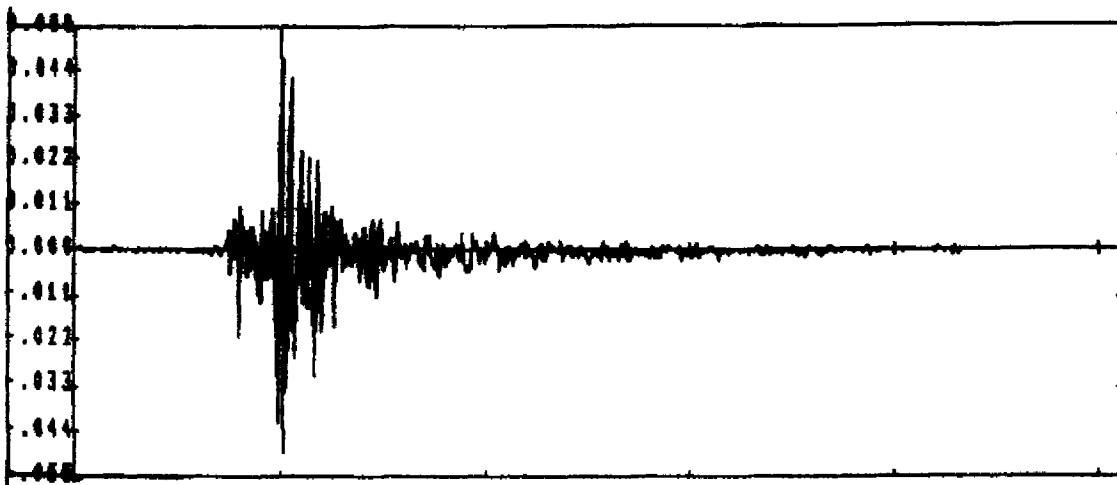
ESTACION: GUAYABO (GYBO) Hora Local: 8:59 ML: 4.5



COMPONENTE N-S



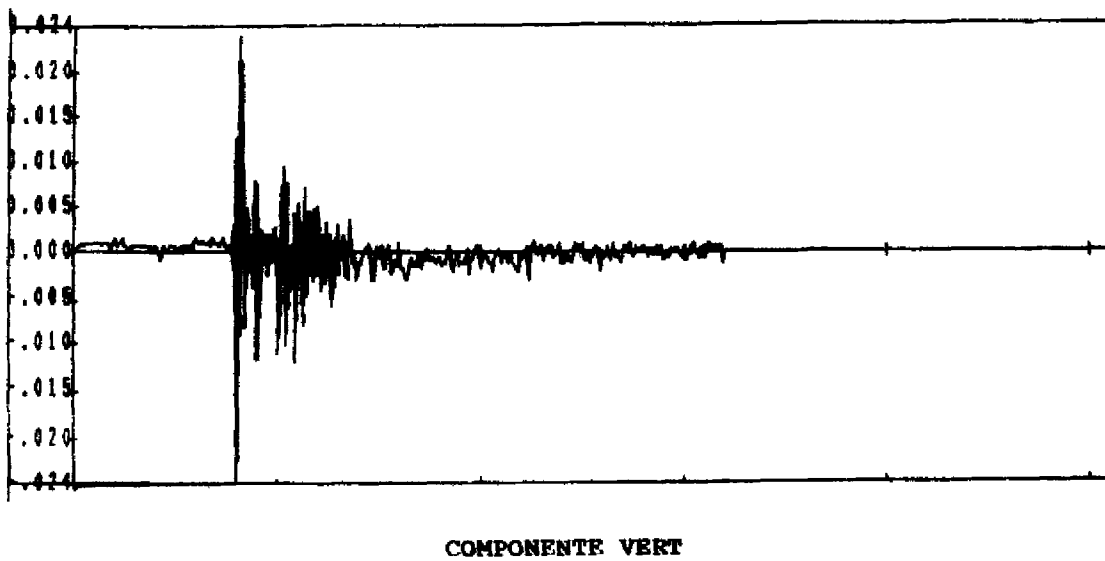
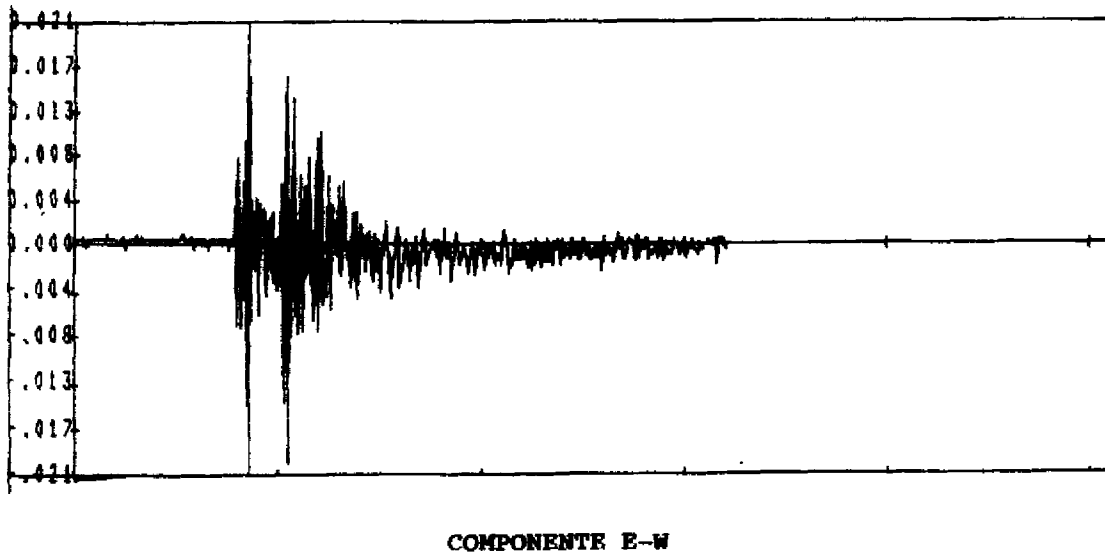
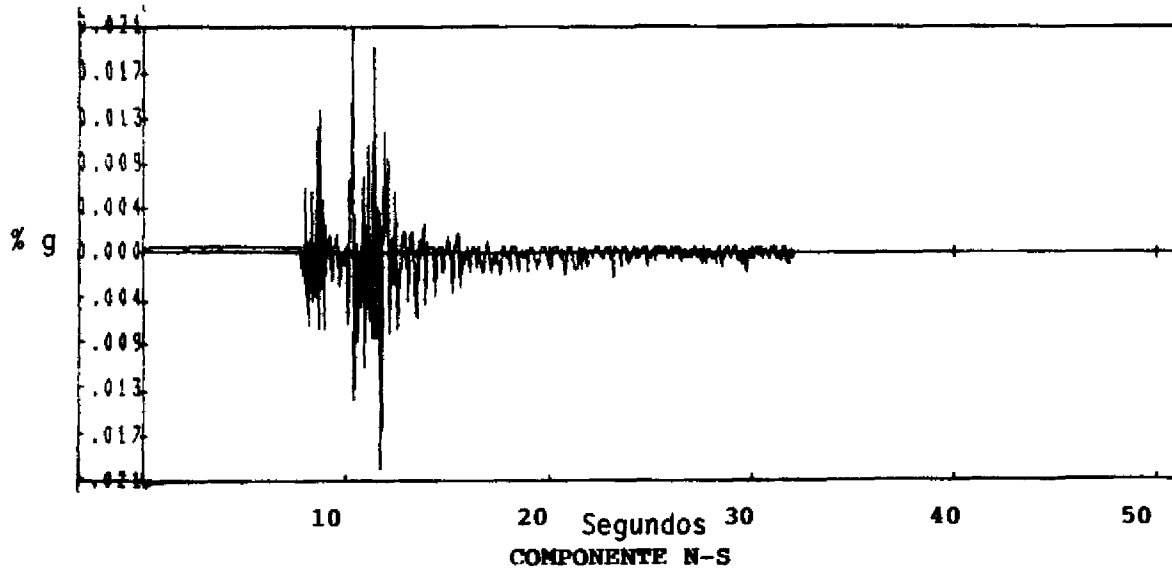
COMPONENTE E-W



COMPONENTE VERT

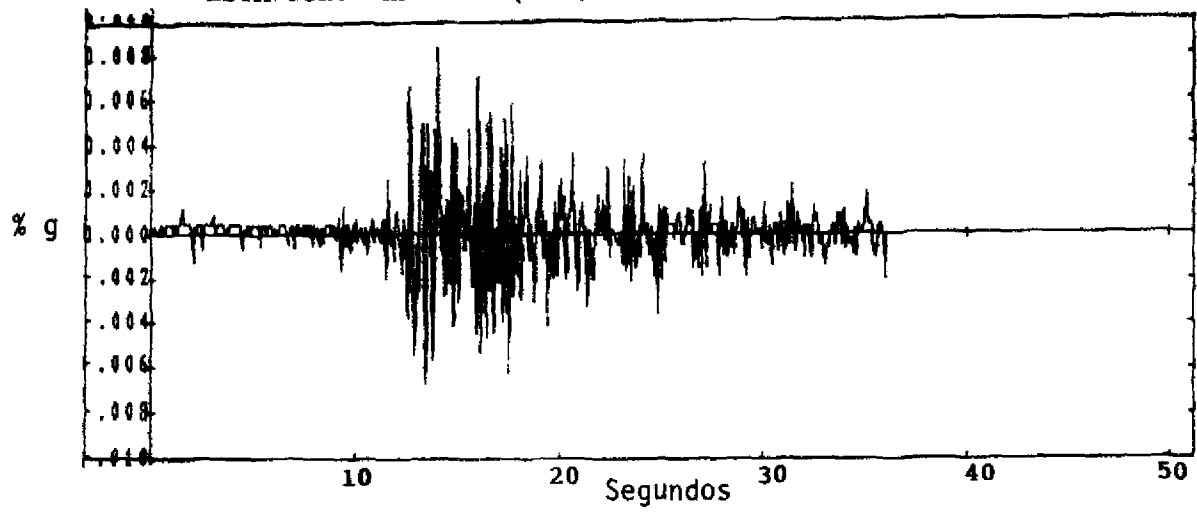
ACELEROGRAMA

ESTACION: GUAYABO (GYBO) Hora Local: 9:01 ML: 4.0

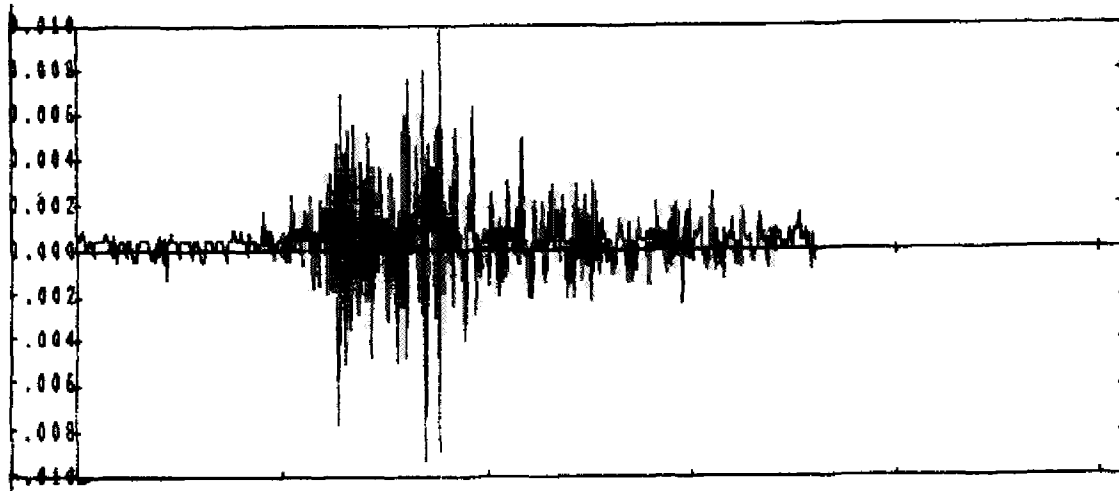


ACELEROGRAMA

ESTACION: HEREDIA (HDC) Hora Local: 8:55 ML: 4.6



COMPONENTE N-S



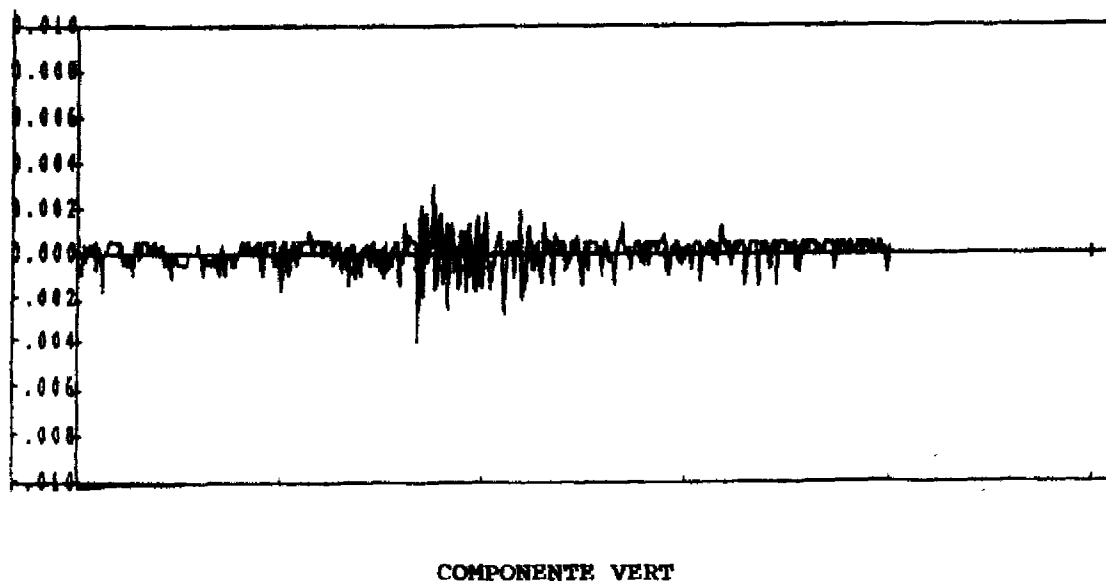
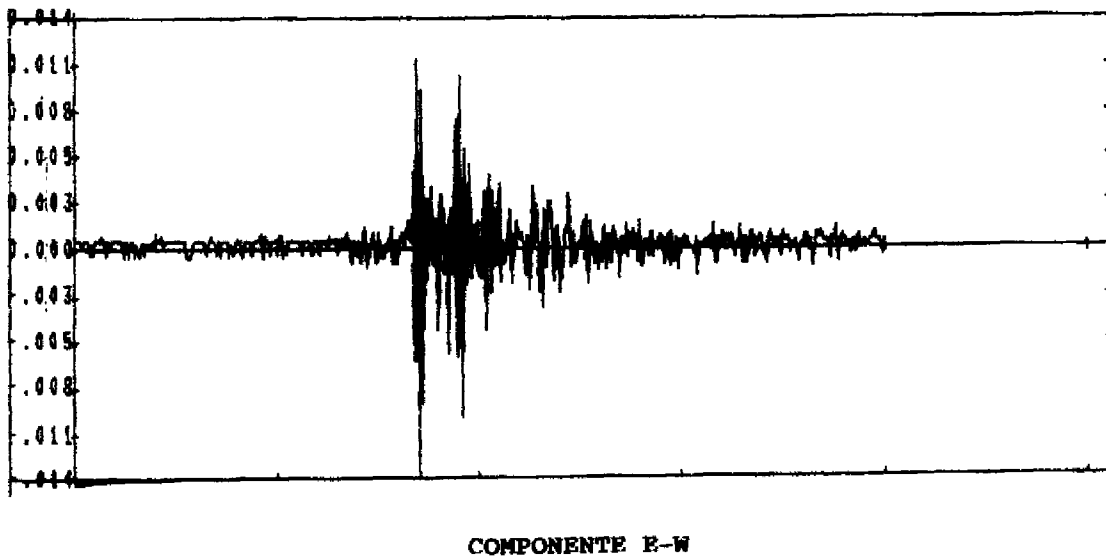
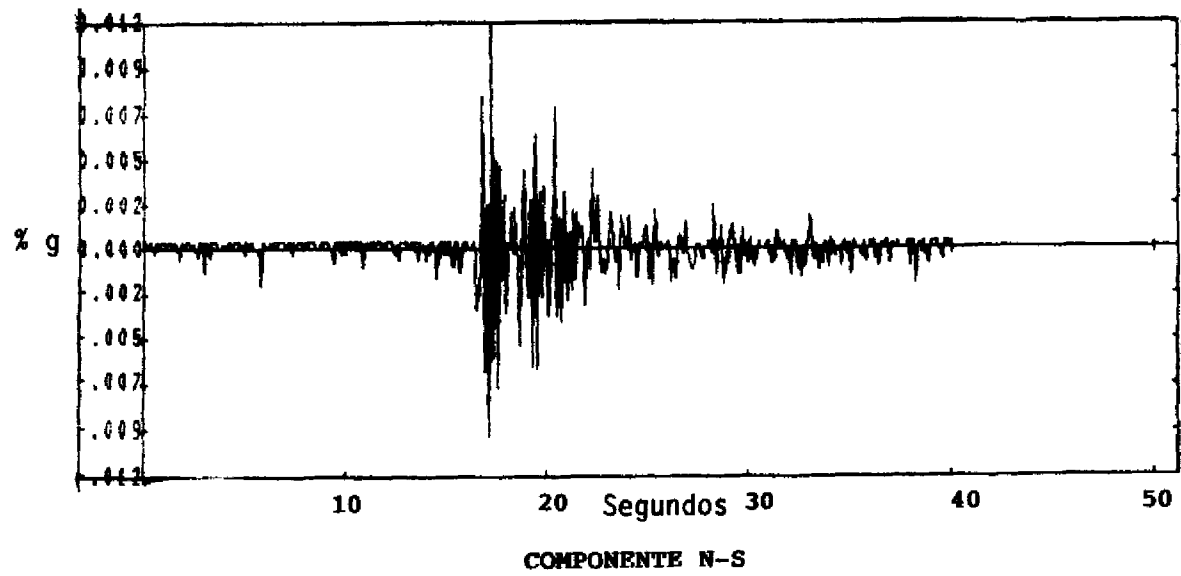
COMPONENTE E-W



COMPONENTE VERT

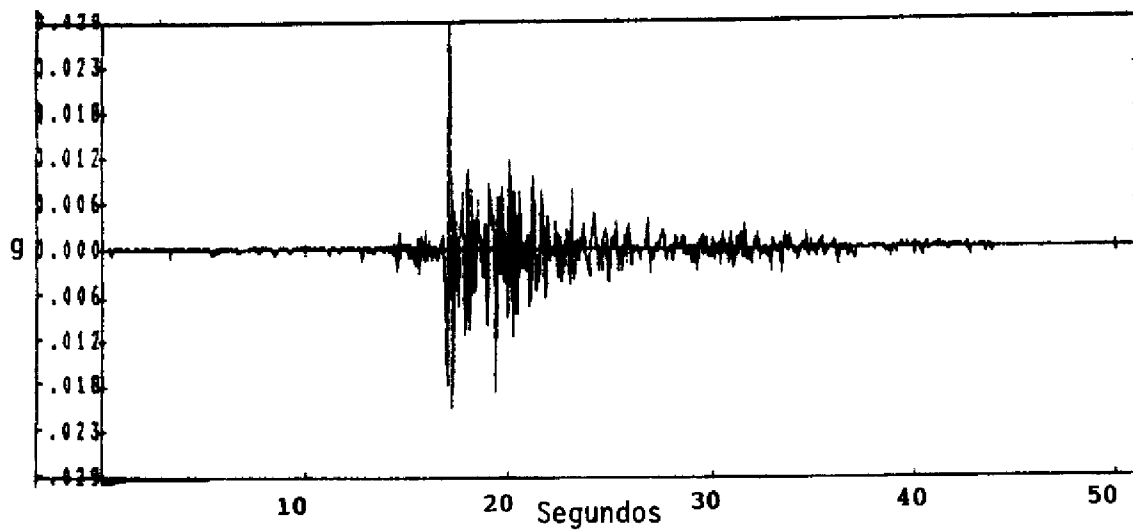
ACELEROGRAMA

ESTACION: HEREDIA (HDC) Hora Local: 8:57 ML: 4.3

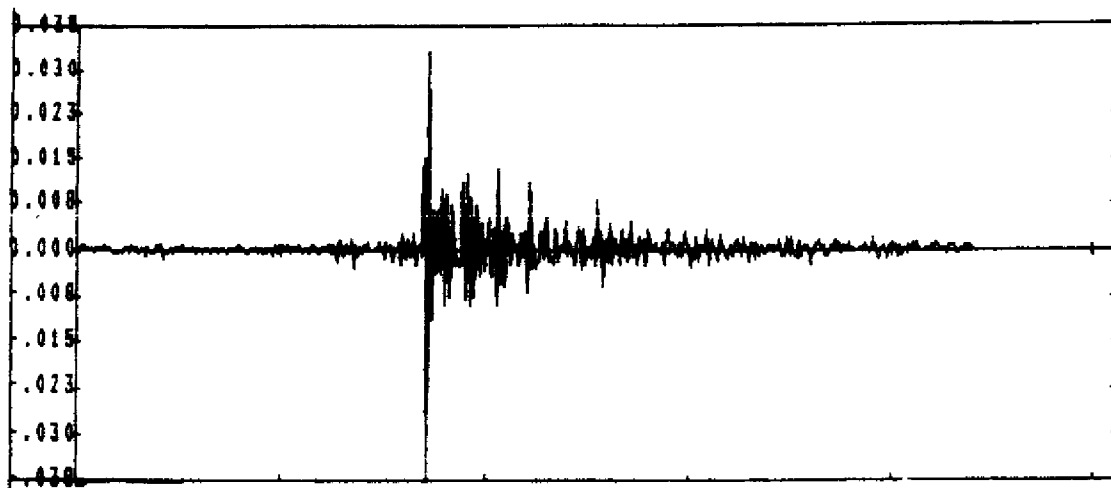


ACELEROGRAMA

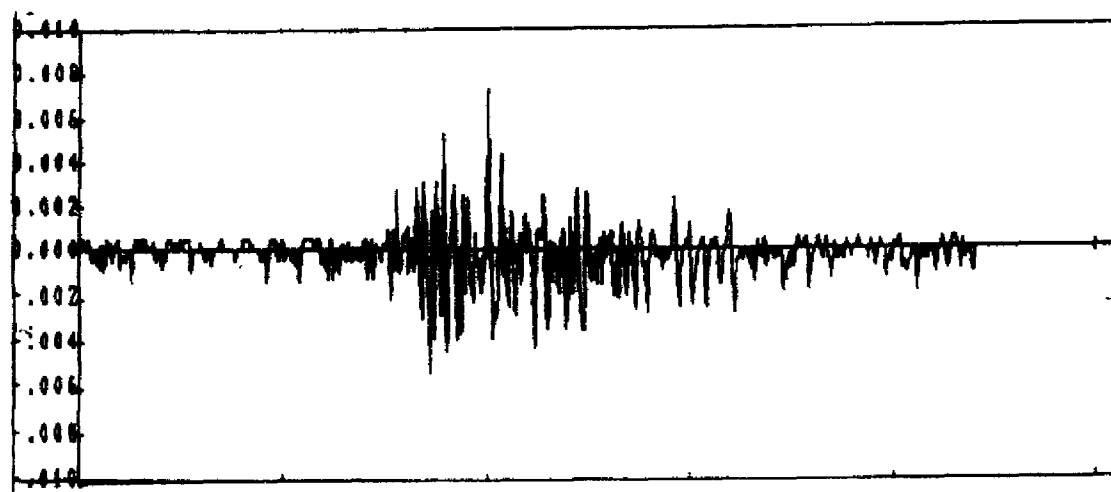
ESTACION: HEREDIA (HDC) Hora Local: 8:59 ML: 4.5



COMPONENTE N-S



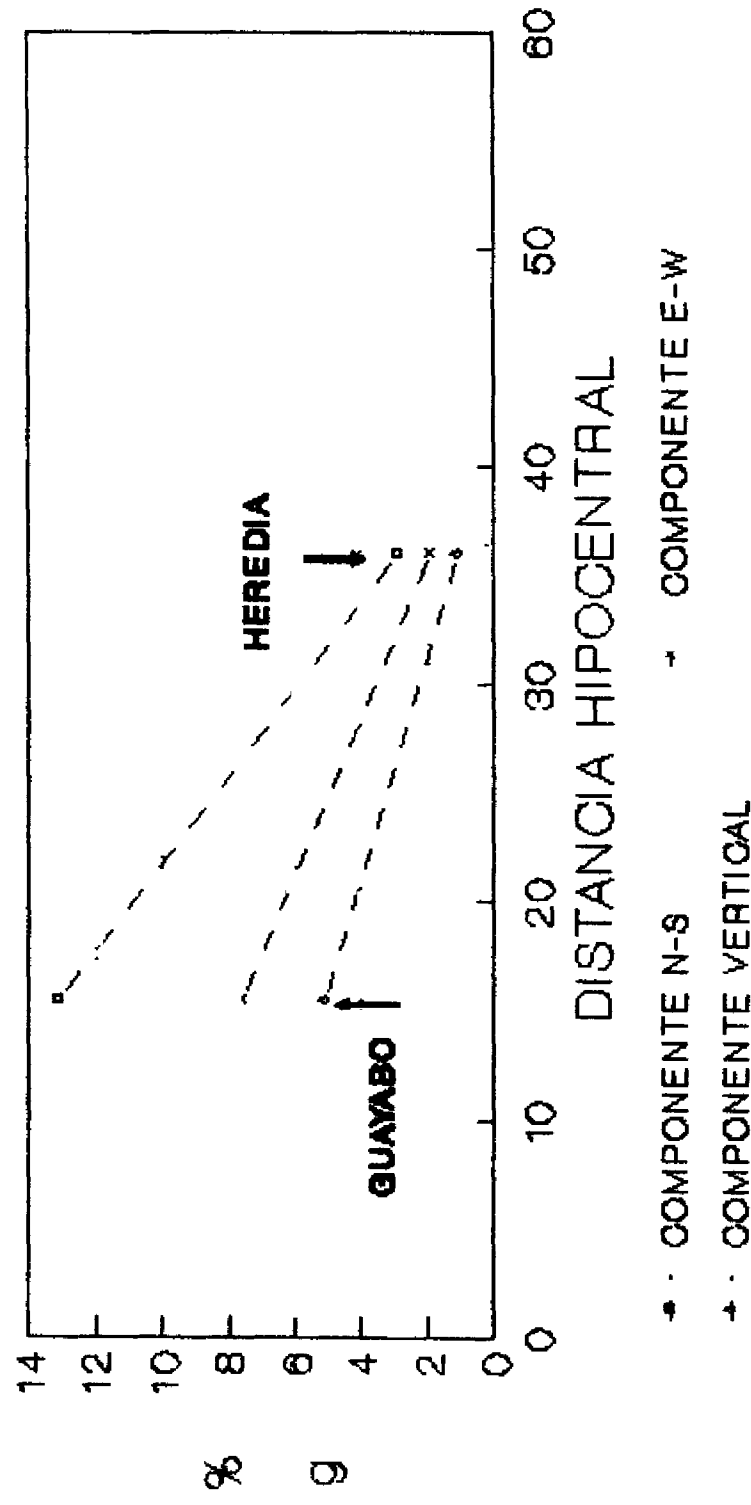
COMPONENTE E-W



COMPONENTE VERT

ACCELERACIONES MAXIMAS (% g) SECUENCIA SISMICA DE PURISCAL SISMO 30 JUNIO 1990 ML=5.0

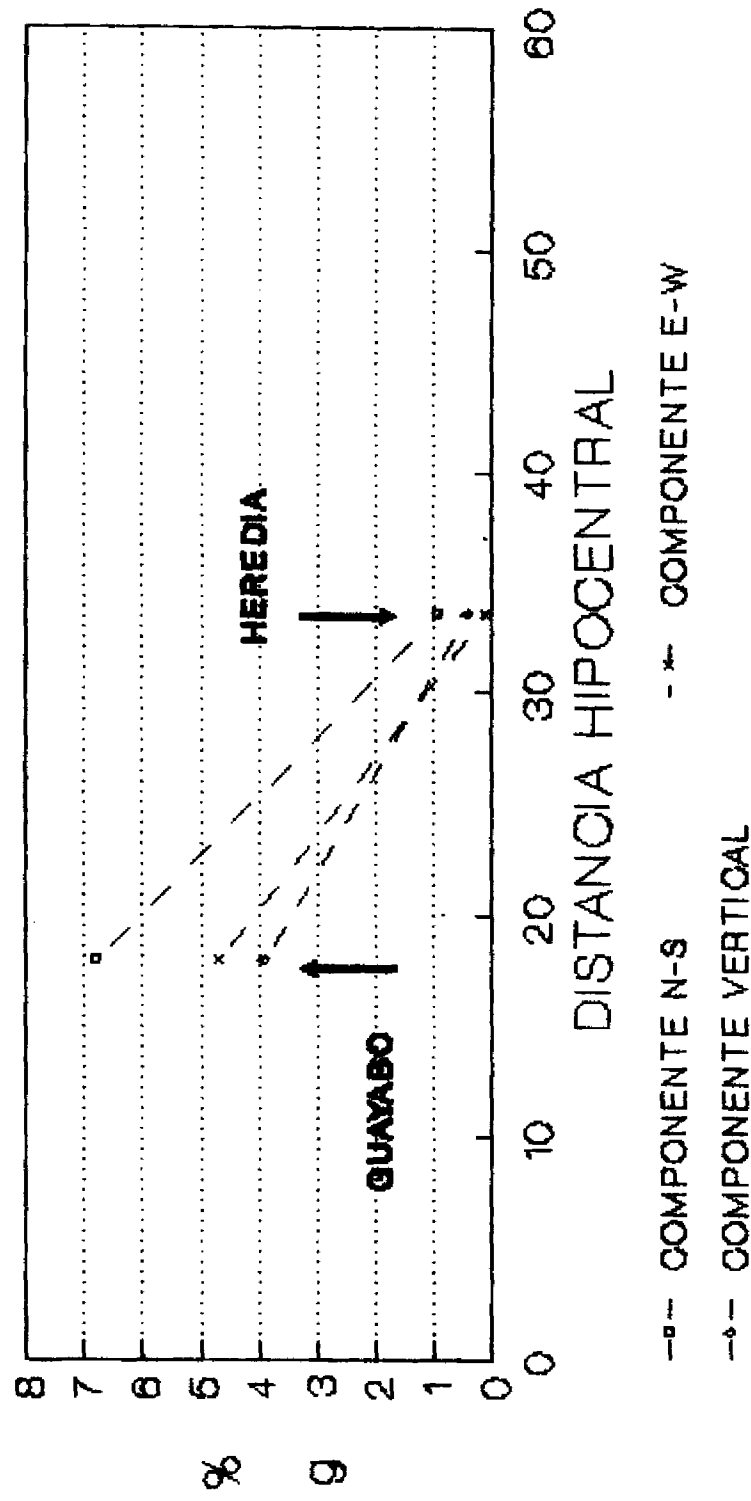
14 H 51 MIN GMT - 08 H 51 MIN TIEMPO LOCAL



ESTACIONES GUAYABO Y HEREDIA

ACCELERACIONES MAXIMAS (% g) SECUENCIA SISMICA DE PURISCAL SISMO 30 JUNIO 1990 ML=

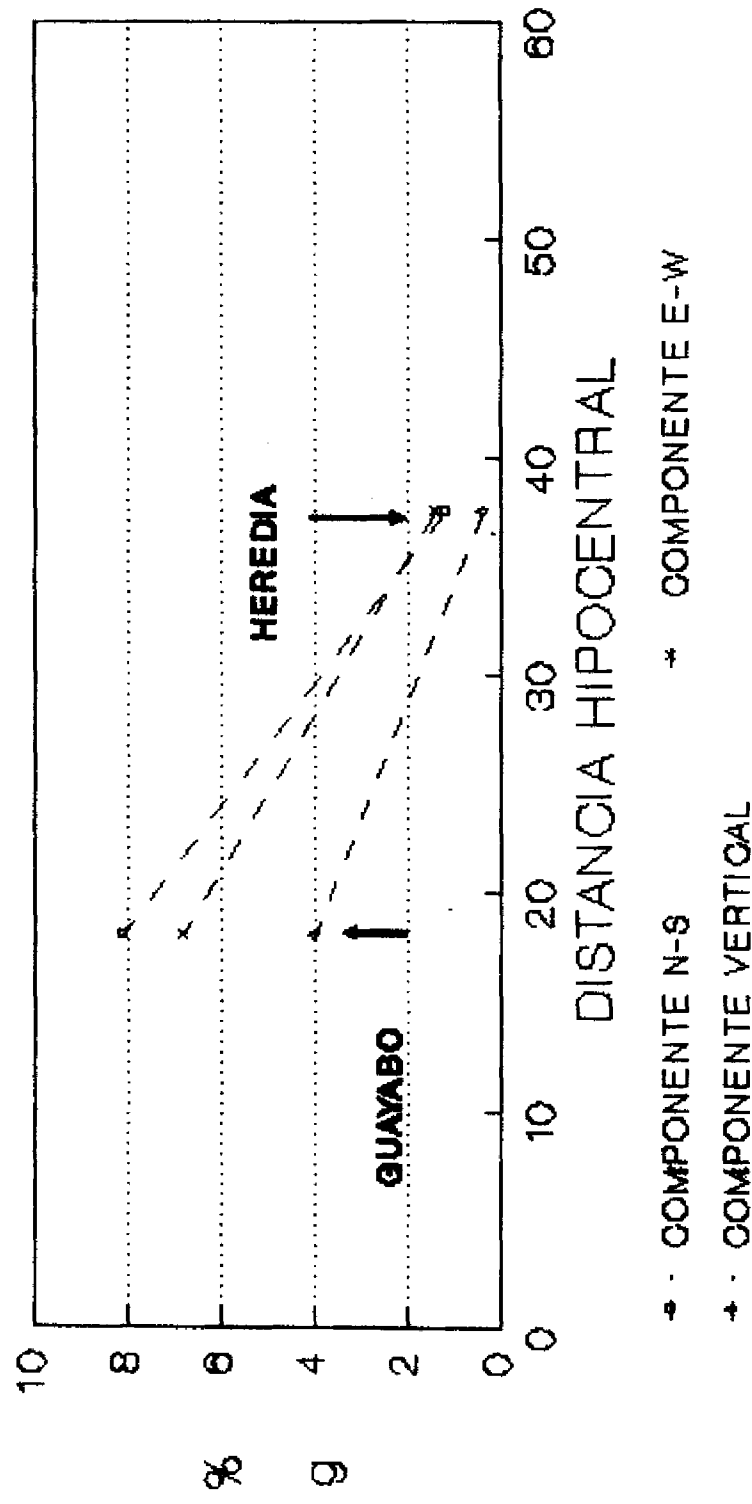
14 H 55 MIN GMT - 08 H 55 MIN TIEMPO LOCAL



ESTACIONES GUAYABO Y HEREDIA

ACELERACIONES MAXIMAS (% g) SECUENCIA SISMICA DE PURISCAL SISMO 30 JUNIO 1990 ML=

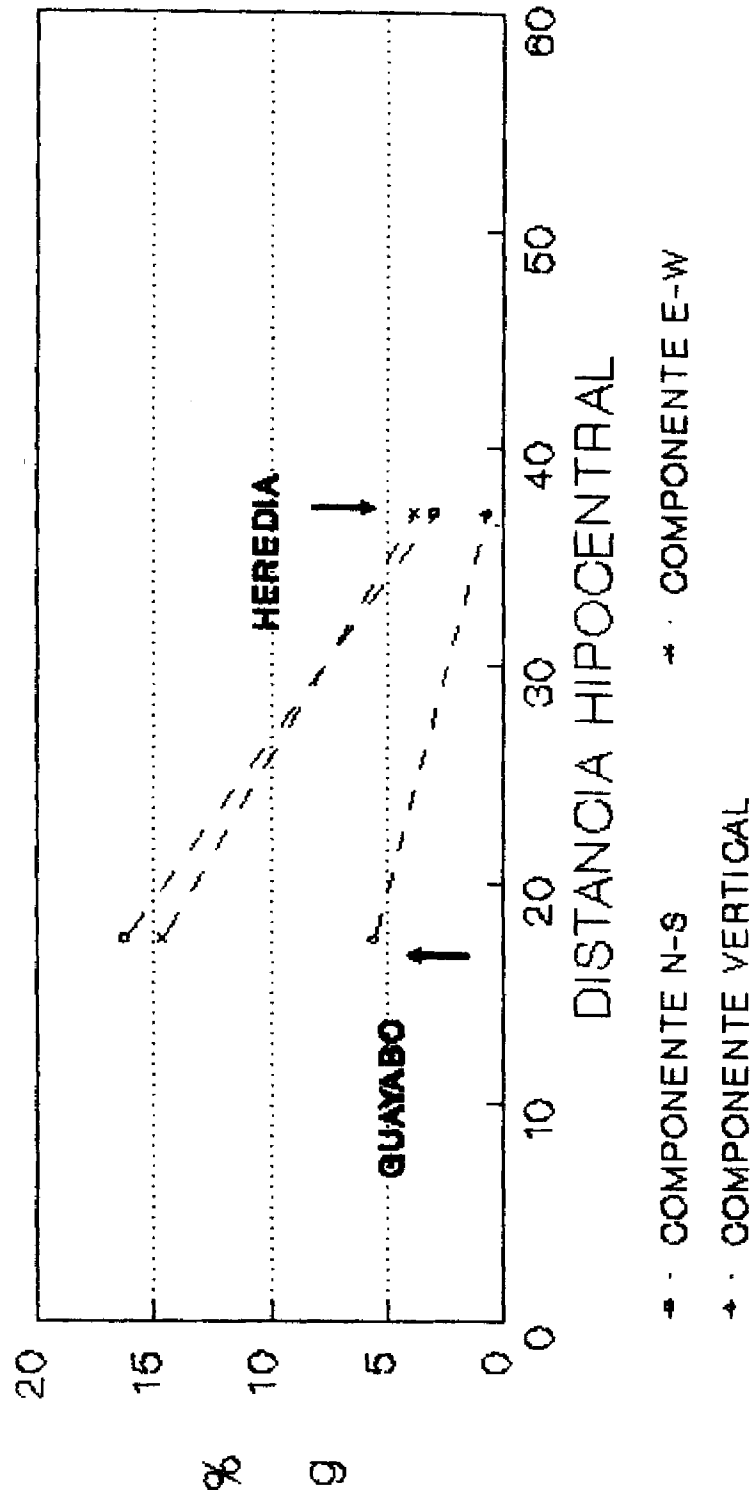
14 H 57 MIN GMT - 08 H 57 MIN TIEMPO LOCAL



ESTACIONES GUAYABO Y HEREDIA

ACCELERACIONES MAXIMAS (% g) SECUENCIA SISMICA DE PURISCAL SISMO 30 JUNIO 1990 ML=

14 H 59 MIN GMT - 08 H 59 MIN TIEMPO LOCAL



ESTACIONES GUAYABO Y HEREDIA

APENDICE III

**LISTADO DE LOS SISMOS UBICADOS
SECUENCIA SISMICA DE SANTIAGO DE PURISCAL
26 DE MARZO - 11 DE JULIO DE 1990**

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG.	Nº	DM KM	GAP GRAD	RMS SEG	EKH KM	ERZ KM
1	90- 3-26	17:26:26.61	9:46.00	84:25.46	14.28	2.20	11	2.5	182	0.22	0.9	0.9
2	90- 3-26	17:57:33.26	9:49.11	84:22.27	7.65	2.16	11	6.8	103	0.18	1.1	0.8
3	90- 3-27	17:53:48.64	9:49.13	84:23.11	7.12	2.42	19	7.1	93	0.29	0.9	0.9
4	90- 4- 2	1:46:18.91	9:51.60	84:22.46	2.01	2.14	12	9.7	116	0.24	0.7	1.2
5	90- 4- 2	4:29:35.67	9:46.43	84:24.59	12.79	2.17	9	2.5	206	0.14	1.2	0.8
6	90- 4- 4	11:36:58.01	9:52.73	84:23.41	2.07	2.20	15	10.7	72	0.30	0.6	1.0
7	90- 4- 5	7: 1:37.77	9:48.29	84:24.17	9.20	2.23	13	3.1	91	0.17	0.7	0.8
8	90- 4- 9	23:23:41.73	9:50.56	84:23.79	5.94	2.33	13	6.8	101	0.28	0.7	1.0
9	90- 4-10	16:43:42.36	9:51.00	84:22.96	7.17	2.21	14	8.3	107	0.26	1.0	1.1
10	90- 4-15	3:22:38.83	9:45.85	84:23.48	9.68	2.00	6	4.7	261	0.20	2.2	1.2
11	90- 4-24	22:29:11.07	9:50.94	84:18.32	9.51	2.25	20	14.8	85	0.23	0.6	2.4
12	90- 5- 1	3:14:41.63	9:50.73	84:18.39	6.19	2.24	21	14.5	87	0.26	0.5	0.6
13	90- 5- 2	21: 6:21.83	9:51.13	84:19.09	4.98	2.22	16	13.8	97	0.32	0.6	0.9
14	90- 5- 3	11:30:18.30	9:52.01	84:16.35	5.44	2.31	15	18.9	122	0.23	0.6	1.1
15	90- 5- 4	23:51:11.06	9:49.00	84:18.56	8.14	1.73	13	13.2	100	0.16	0.4	0.7
16	90- 5- 5	12: 7:23.82	9:51.29	84:19.12	5.97	1.76	15	13.9	82	0.23	0.5	0.6
17	90- 5- 5	16:21:46.47	9:52.20	84:18.20	6.81	2.65	19	16.1	123	0.34	0.8	1.2
18	90- 5- 5	16:25:34.56	9:52.09	84:17.89	3.38	1.84	10	16.6	142	0.23	0.7	1.3
19	90- 5- 7	5:25:46.59	9:50.78	84:18.98	2.73	2.49	26	13.6	86	0.23	0.5	0.9
20	90- 5- 7	6:51: 8.72	9:50.05	84:18.84	5.90	2.47	24	13.3	91	0.30	0.6	0.7
21	90- 5- 7	7:43:22.40	9:49.98	84:18.99	9.81	2.60	23	12.9	92	0.30	0.6	1.9
22	90- 5- 7	8:25:46.76	9:51.24	84:19.54	4.68	2.42	26	13.2	80	0.35	0.6	0.9
23	90- 5- 7	8:41:28.90	9:48.50	84:18.80	7.96	2.13	11	12.6	146	0.15	0.9	0.9
24	90- 5- 7	11:22:12.26	9:50.68	84:18.95	6.44	3.04	27	13.6	87	0.24	0.5	0.9
25	90- 5- 7	11:29:21.70	9:50.62	84:19.20	5.31	2.40	19	13.1	115	0.30	0.6	0.7
26	90- 5- 8	10:16:32.70	9:50.46	84:19.69	0.37	1.50	6	4.7	168	0.08	0.5	11.8
27	90- 5- 8	18:58:42.64	9:51.96	84:18.47	6.87	2.43	25	4.4	79	0.58	1.2	0.6
28	90- 5- 8	21:35:46.16	9:52.24	84:19.77	5.92	2.32	25	1.6	73	0.46	0.8	0.4
29	90- 5-11	10:39: 9.53	9:49.39	84:17.87	11.33	2.73	21	2.7	98	0.36	0.8	1.3
30	90- 5-11	14: 4:14.13	9:51.51	84:17.93	7.00	2.54	17	3.3	82	0.35	0.9	0.5
31	90- 5-13	1: 2: 8.52	9:52.24	84:18.74	5.43	2.50	18	3.0	124	0.28	0.9	0.4
32	90- 5-14	16:12:28.01	9:51.61	84:18.87	5.23	1.96	21	3.5	93	0.29	0.6	0.4
33	90- 5-14	16:12:59.17	9:51.79	84:18.80	6.27	2.30	17	14.8	105	0.26	0.5	0.8
34	90- 5-14	22:16:11.44	9:51.70	84:18.63	5.08	2.38	19	15.0	79	0.22	0.5	0.7
35	90- 5-14	23:35:37.43	9:51.87	84:19.01	5.13	2.04	17	14.6	106	0.28	0.6	0.8
36	90- 5-15	12:34:44.97	9:50.14	84:18.93	6.35	2.70	23	13.2	91	0.23	0.4	0.7
37	90- 5-15	12:38:58.96	9:50.67	84:18.48	15.00	2.76	20	28.9	102	0.26	0.6	1.2
38	90- 5-15	12:41:24.70	9:50.48	84:19.25	4.30	2.27	21	12.9	87	0.30	0.6	0.9
39	90- 5-15	13:13:47.11	9:51.62	84:19.17	6.24	2.07	19	14.1	79	0.28	0.5	0.8
40	90- 5-15	13:16:27.60	9:50.73	84:18.77	13.07	2.50	16	12.7	66	0.25	0.9	1.3
41	90- 5-21	5:46:53.47	9:45.29	84:21.15	20.65	2.20	9	8.9	196	0.22	2.3	1.3
42	90- 5-21	8: 6:58.35	9:48.76	84:16.89	6.24	2.31	13	12.4	144	0.25	0.9	0.6
43	90- 5-21	10:37:27.95	9:49.97	84:19.12	7.53	2.36	14	12.7	131	0.25	1.1	1.0
44	90- 5-22	13:17:39.90	9:49.79	84:18.63	10.60	2.36	18	13.4	94	0.29	0.8	1.8
45	90- 5-22	13:15: 2.27	9:53.20	84:18.95	21.57	1.85	6	16.2	157	0.07	1.1	2.3
46	90- 5-23	20:34:34.80	9:51.36	84:19.04	14.85	3.21	19	14.1	81	0.32	0.8	1.4
47	90- 5-23	20:38:15.46	9:50.56	84:19.21	8.37	2.04	8	13.1	163	0.30	1.7	23.4
48	90- 5-24	16:27:27.30	9:51.17	84:18.07	9.83	2.72	18	15.4	84	0.34	0.8	3.5
49	90- 5-24	23: 4:28.97	9:51.17	84:18.40	9.56	2.54	17	14.9	95	0.19	0.6	2.3
50	90- 5-25	7: 3:18.18	9:50.79	84:17.96	6.35	2.46	19	15.3	87	0.24	0.6	0.8
51	90- 5-25	10:11:16.39	9:51.95	84:18.04	0.87	1.95	12	16.1	104	0.18	0.6	1.1
52	90- 5-27	22:17: 9.94	9:53.45	84:18.25	0.07	1.87	12	17.5	125	0.27	0.8	2.0
53	90- 5-29	6: 0:26.92	9:51.94	84:18.98	0.02	1.90	12	14.7	106	0.34	0.9	2.2
54	90- 5-29	19:56:51.37	9:51.32	84:18.68	16.00	4.15	23	14.6	82	0.20	0.5	0.9
55	90- 5-29	20:13:59.54	9:51.09	84:18.30	6.10	2.55	19	14.9	84	0.21	0.5	0.7
56	90- 5-29	20:38:58.21	9:51.92	84:18.30	6.51	2.26	16	15.8	79	0.29	0.6	0.8
57	90- 5-29	20:42:33.63	9:52.23	84:18.71	6.46	2.15	16	15.4	76	0.23	0.5	0.7
58	90- 5-29	20:44: 9.14	9:51.87	84:19.89	10.99	1.99	17	13.3	78	0.23	0.5	2.3
59	90- 5-29	20:49:16.99	9:48.67	84:18.07	6.80	2.04	16	13.9	103	0.26	0.5	0.8
60	90- 5-29	22:18:49.07	9:52.60	84:19.03	13.33	3.46	25	15.4	73	0.27	0.5	0.9

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG.	NO	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
61	90- 5-29	22:24:33.93	9:49.62	84:18.08	2.99	1.83	15	14.3	96	0.17	0.5	0.9
62	90- 5-29	22:26:51.15	9:52.02	84:18.31	10.10	2.25	21	15.8	78	0.28	0.6	2.2
63	90- 5-29	22:56:20.19	9:51.04	84:18.34	14.64	2.87	24	14.9	94	0.27	0.5	1.0
64	90- 5-30	0:28:52.21	9:52.32	84:19.00	6.38	2.46	22	15.1	75	0.32	0.6	0.8
65	90- 5-30	1:22:53.45	9:51.26	84:18.61	10.02	2.73	24	14.6	83	0.28	0.6	2.4
66	90- 5-30	1:29:54.60	9:51.29	84:18.74	6.43	2.37	21	14.4	82	0.23	0.4	0.6
67	90- 5-30	2:52:20.69	9:50.63	84:18.74	14.63	2.55	21	13.9	87	0.30	0.6	1.6
68	90- 5-30	5:31:33.09	9:51.00	84:18.67	6.99	2.55	21	14.3	84	0.34	0.6	1.0
69	90- 5-30	10: 4:30.75	9:51.24	84:18.66	11.97	2.44	21	14.5	83	0.29	0.6	1.7
70	90- 5-30	10:26:21.57	9:51.85	84:19.16	6.68	1.99	16	15.9	80	0.25	0.6	1.0
71	90- 5-30	15:50: 1.14	9:50.44	84:18.56	9.36	2.28	17	14.0	87	0.30	0.7	2.9
72	90- 5-30	16:28: 2.33	9:52.62	84:18.53	9.85	3.09	20	14.7	102	0.30	0.7	2.8
73	90- 5-30	16:30: 9.37	9:51.29	84:18.28	6.17	2.37	20	15.2	83	0.30	0.5	0.7
74	90- 5-30	16:44:22.41	9:49.31	84:17.61	7.05	2.03	13	14.9	100	0.24	0.7	0.9
75	90- 5-30	18:34:33.79	9:49.34	84:18.24	6.24	2.26	15	13.9	102	0.23	0.7	0.9
76	90- 5-30	18:51:42.96	9:51.30	84:18.67	12.34	2.57	15	14.6	96	0.26	0.7	1.8
77	90- 5-30	19:49:16.59	9:51.12	84:18.68	13.41	2.46	19	14.4	84	0.28	0.7	1.8
78	90- 5-30	22: 5:20.33	9:51.74	84:18.91	17.86	4.18	20	14.6	79	0.27	0.7	1.1
79	90- 5-30	22: 9:14.63	9:51.28	84:20.44	9.77	2.22	16	11.9	106	0.26	0.6	2.9
80	90- 5-30	22:11:25.06	9:52.16	84:18.04	4.59	2.16	16	16.4	105	0.29	0.7	1.0
81	90- 5-30	22:13: 5.00	9:54.48	84:17.42	5.02	2.34	14	19.9	114	0.28	0.6	1.0
82	90- 5-30	22:17:37.75	9:51.67	84:16.56	7.56	2.43	16	15.1	80	0.21	0.6	0.6
83	90- 5-30	22:19:59.41	9:53.18	84:17.66	4.03	2.10	12	18.0	154	0.24	0.9	0.7
84	90- 5-30	22:21: 8.27	9:51.19	84:18.63	8.25	2.34	17	14.5	103	0.26	0.6	23.2
85	90- 5-30	22:25:25.10	9:51.01	84:18.62	13.40	2.88	23	14.4	84	0.24	0.5	1.0
86	90- 5-30	22:26: 3.37	9:52.17	84:17.98	4.16	2.20	11	16.5	177	0.23	0.9	0.7
87	90- 5-30	22:32:26.58	9:51.51	84:18.12	6.55	2.38	15	15.6	82	0.28	0.7	1.2
88	90- 5-30	22:58:28.09	9:51.17	84:19.48	12.91	2.98	23	13.2	81	0.28	0.6	1.2
89	90- 5-30	23: 2: 5.27	9:50.76	84:18.45	9.10	2.46	19	14.4	87	0.25	0.6	2.3
90	90- 5-30	23: 4:24.44	9:50.22	84:18.76	14.41	2.50	17	13.5	92	0.27	0.7	1.4
91	90- 5-30	23:17:10.82	9:51.07	84:18.46	6.34	2.22	17	14.7	85	0.23	0.5	0.9
92	90- 5-30	23:59:34.59	9:50.72	84:18.37	14.26	2.69	23	15.1	87	0.29	0.7	1.5
93	90- 5-31	0:33:19.67	9:50.58	84:18.26	11.15	2.10	13	14.6	108	0.20	0.7	2.6
94	90- 5-31	1: 6:17.71	9:51.23	84:18.26	6.44	1.79	15	15.2	112	0.25	0.6	1.0
95	90- 5-31	1:45:35.67	9:54.72	84:21.54	25.66	2.14	12	15.5	136	0.34	1.4	2.6
96	90- 5-31	3: 0:28.72	9:50.38	84:18.17	12.00	2.44	22	14.6	90	0.27	0.6	1.6
97	90- 5-31	4: 7:32.02	9:52.64	84:19.12	14.25	3.11	25	15.3	73	0.28	0.5	1.0
98	90- 5-31	5: 7:22.34	9:51.68	84:19.31	0.01	1.87	13	13.9	115	0.33	0.8	1.7
99	90- 5-31	6:22:57.38	9:49.03	84:18.97	9.03	2.10	10	12.4	141	0.17	0.7	3.9
100	90- 5-31	6:31:18.01	9:51.61	84:19.06	17.70	3.53	25	14.2	108	0.23	0.5	0.7
101	90- 5-31	7:35:28.15	9:52.47	84:19.29	14.79	3.14	26	14.9	102	0.22	0.5	0.8
102	90- 5-31	7:48: 7.20	9:48.95	84:17.98	12.90	2.64	19	14.2	143	0.28	0.7	1.9
103	90- 5-31	7:56: 2.81	9:49.63	84:18.49	12.04	2.57	20	13.6	137	0.29	0.9	1.9
104	90- 5-31	8:54:53.21	9:45.74	84:18.68	15.70	2.91	18	13.4	135	0.20	0.6	1.1
105	90- 5-31	8:59:23.56	9:51.54	84:19.19	14.64	3.53	22	14.0	115	0.34	0.7	1.0
106	90- 5-31	9:10: 8.04	9:50.55	84:18.48	12.74	2.68	16	14.2	128	0.20	0.7	1.4
107	90- 5-31	10:11:33.33	9:50.44	84:18.46	11.00	2.46	17	14.2	129	0.23	0.7	2.1
108	90- 5-31	11:41: 0.40	9:50.86	84:19.00	7.23	2.34	16	13.7	124	0.25	0.6	0.9
109	90- 5-31	11:57:21.43	9:49.21	84:18.02	13.01	2.64	16	14.2	141	0.15	0.5	1.1
110	90- 5-31	13:48:54.99	9:50.68	84:19.64	15.67	2.15	12	12.4	149	0.24	1.2	1.6
111	90- 5-31	13:49:37.35	9:49.30	84:17.60	6.59	2.14	14	15.0	140	0.26	0.9	0.9
112	90- 5-31	14:27:54.68	9:51.08	84:20.59	2.93	2.05	8	11.4	164	0.23	1.2	1.9
113	90- 5-31	14:29:37.47	9:50.92	94:19.00	2.88	2.27	12	13.7	124	0.25	0.8	0.9
114	90- 5-31	20: 5:12.04	9:50.24	84:19.32	8.20	2.39	18	12.6	118	0.30	0.8	2.1
115	90- 5-31	22:19:38.71	9:49.10	84:17.37	9.91	2.34	17	15.3	130	0.27	0.8	2.8
116	90- 5-31	23:17:35.88	9:50.01	84:18.50	7.26	2.29	15	13.8	133	0.22	1.0	1.1
117	90- 6- 1	1: 8:43.34	9:50.76	84:18.55	10.23	2.38	18	14.3	123	0.21	0.7	1.9
118	90- 6- 1	1:36:49.53	9:52.10	84:15.74	6.83	2.44	23	13.8	74	0.27	0.5	0.9
119	90- 6- 1	1:42:23.49	9:50.34	84:18.12	6.72	2.11	12	14.7	131	0.17	0.8	1.0
120	90- 6- 1	1:49: 2.57	9:52.83	84:20.01	13.88	2.94	27	14.4	69	0.31	0.6	1.0

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG.	No	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
121	90- 6- 1	2:56:37.40	9:50.18	84:19.00	5.81	2.22	13	13.1	130	0.22	0.9	0.8
122	90- 6- 1	2:57:52.18	9:52.51	84:19.34	6.36	3.62	21	14.9	73	0.29	0.6	0.9
123	90- 6- 1	3: 0:17.42	9:53.09	84:18.14	6.70	2.09	14	17.3	79	0.26	0.6	0.7
124	90- 6- 1	3: 1:56.22	9:51.11	84:19.70	7.93	1.98	12	12.7	120	0.30	1.1	1.3
125	90- 6- 1	3:28:17.38	9:52.17	84:19.55	13.06	4.05	19	14.2	75	0.28	0.9	1.5
126	90- 6- 1	3:30:13.58	9:52.47	84:19.30	2.09	1.08	10	1.9	113	0.19	0.5	2.5
127	90- 6- 1	4:13: 6.96	9:52.01	84:18.44	18.08	3.93	18	15.6	78	0.32	0.8	1.8
128	90- 6- 1	4:21:54.77	9:52.08	84:19.37	8.92	3.42	19	14.3	94	0.30	0.8	2.4
129	90- 6- 1	4:24:30.29	9:50.88	84:19.00	9.67	2.20	16	13.7	121	0.26	0.8	3.3
130	90- 6- 1	5:31: 6.60	9:51.17	84:19.57	13.84	3.30	17	13.1	117	0.17	0.7	0.9
131	90- 6- 1	7: 3:35.73	9:50.54	84:19.37	11.44	2.34	17	12.7	126	0.20	0.7	1.6
132	90- 6- 1	7:43:31.63	9:52.45	84:19.04	13.42	2.89	22	15.2	103	0.27	0.7	1.0
133	90- 6- 1	9:18: 8.24	9:51.22	84:19.49	8.10	2.19	14	13.2	120	0.29	1.1	1.0
134	90- 6- 1	10:12:50.35	9:51.54	84:19.10	12.23	3.05	21	14.1	115	0.22	0.6	1.1
135	90- 6- 1	10:37:38.47	9:50.52	84:19.95	17.52	3.62	22	11.8	103	0.23	0.5	0.5
136	90- 6- 1	11:18:19.88	9:51.67	84:19.83	13.43	3.15	21	13.2	115	0.22	0.7	1.4
137	90- 6- 1	11:34:19.76	9:53.54	84:19.96	6.20	2.16	17	1.1	114	0.31	0.9	0.6
138	90- 6- 1	13:37:30.88	9:52.56	84:20.21	9.54	2.60	16	13.7	107	0.25	0.7	2.5
139	90- 6- 1	13:39:38.53	9:50.54	84:18.77	6.86	2.00	10	13.8	127	0.32	1.6	1.7
140	90- 6- 1	13:42:37.76	9:51.34	84:20.29	8.07	1.99	11	12.2	115	0.24	2.2	1.9
141	90- 6- 1	17:59:35.00	9:47.97	84:18.19	13.13	2.19	13	13.6	110	0.16	0.6	1.1
142	90- 6- 1	20:32:29.89	9:49.14	84:17.97	10.93	2.22	17	14.2	99	0.24	0.6	1.6
143	90- 6- 1	20:33:19.73	9:51.46	84:19.22	7.17	2.26	15	13.9	151	0.34	1.3	1.6
144	90- 6- 1	22:19: 5.67	9:47.81	84:18.03	12.98	2.68	26	13.8	107	0.30	0.6	1.4
145	90- 6- 2	0:39:25.85	9:50.19	84:20.24	16.64	2.35	18	11.1	96	0.35	0.9	1.4
146	90- 6- 2	0:43: 8.51	9:53.32	84:18.98	4.88	1.85	11	2.3	191	0.37	1.4	1.0
147	90- 6- 2	6:54: 2.88	9:50.96	84:20.09	12.37	2.26	16	12.0	120	0.31	0.9	1.8
148	90- 6- 2	5:57:14.01	9:51.74	84:19.96	6.58	2.08	15	2.4	160	0.31	1.3	0.5
149	90- 6- 2	19: 2:58.02	9:52.24	84:19.83	14.05	2.82	18	13.9	101	0.38	1.0	2.2
150	90- 6- 2	19:36: 2.78	9:50.61	84:17.70	14.71	2.75	19	15.6	89	0.40	1.0	2.4
151	90- 6- 3	2:58:51.27	9:51.48	84:19.45	12.68	2.74	18	13.6	79	0.37	0.9	2.2
152	90- 6- 3	7:25:49.17	9:49.39	84:18.45	13.95	3.08	18	13.6	138	0.28	0.7	1.4
153	90- 6- 3	21:22: 1.85	9:50.09	84:18.14	10.82	2.72	25	14.5	92	0.26	0.5	1.6
154	90- 6- 3	21:54:16.12	9:49.80	84:19.45	10.64	2.46	21	12.1	93	0.29	0.7	2.1
155	90- 6- 4	6:57:46.87	9:50.80	84:18.78	13.54	2.78	22	13.9	85	0.39	0.8	1.9
156	90- 6- 4	7:25:48.54	9:51.15	84:19.09	12.33	2.98	19	13.8	83	0.42	0.8	2.8
157	90- 6- 4	17:31:49.27	9:53.33	84:19.79	6.60	2.95	19	15.3	66	0.26	0.6	1.0
158	90- 6- 4	19:40:39.31	9:51.15	84:19.08	6.60	2.13	17	13.8	103	0.63	1.4	2.0
159	90- 6- 4	21:54:32.59	9:51.31	84:18.86	7.41	2.04	14	14.2	104	0.47	1.2	1.4
160	90- 6- 5	2:56:22.69	9:50.84	84:19.03	8.18	2.14	11	13.6	124	0.22	0.8	2.0
161	90- 6- 6	18:16:12.68	9:51.68	84:19.30	12.96	2.78	26	13.9	79	0.22	0.5	1.1
162	90- 6- 6	18:44: 0.99	9:50.45	84:18.71	10.33	2.24	18	13.8	100	0.26	0.7	2.7
163	90- 6- 6	22: 9:22.99	9:50.95	84:18.60	9.40	2.23	17	14.4	85	0.21	0.6	3.6
164	90- 6- 7	5:16:47.87	9:51.09	84:18.59	5.43	2.27	20	14.5	84	0.29	0.6	1.0
165	90- 6- 7	6:18:18.82	9:51.73	84:19.40	15.67	2.84	27	13.9	78	0.30	0.6	1.0
166	90- 6- 7	15:30:35.62	9:51.38	84:19.09	12.32	2.97	27	13.9	80	0.25	0.5	0.9
167	90- 6- 7	15:55:48.41	9:51.87	84:18.66	11.36	2.75	22	15.1	78	0.34	0.8	1.5
168	90- 6- 7	17:12: 6.08	9:50.90	84:18.58	17.52	4.07	17	14.4	85	0.29	0.9	1.2
169	90- 6- 7	17:19:47.53	9:49.58	84:18.90	5.43	2.70	13	12.9	96	0.35	1.0	1.2
170	90- 6- 7	17:20:32.95	9:50.00	84:19.17	9.11	3.15	23	12.7	92	0.29	0.6	1.9
171	90- 6- 7	17:25:21.36	9:51.47	84:18.28	14.32	3.15	28	15.4	82	0.32	0.6	1.1
172	90- 6- 7	17:41:12.25	9:49.25	84:18.86	5.06	2.66	20	12.7	99	0.25	0.7	2.3
173	90- 6- 7	18:35:33.32	9:51.07	84:18.03	8.20	2.56	19	15.4	94	0.33	0.7	5.5
174	90- 6- 7	22:10:19.29	9:49.32	84:17.52	7.64	2.49	16	15.2	98	0.27	0.7	1.1
175	90- 6- 8	0:31:48.84	9:52.02	84:19.20	16.28	4.53	15	14.5	76	0.25	0.9	1.3
176	90- 6- 8	0:35:36.32	9:49.77	84:19.97	4.52	2.87	20	11.2	92	0.33	0.7	1.0
177	90- 6- 8	0:40: 7.83	9:52.16	84:18.85	7.21	2.62	18	15.2	77	0.29	0.6	1.1
178	90- 6- 8	0:44:55.50	9:52.57	84:19.48	13.90	3.28	21	14.7	102	0.32	0.7	1.4
179	90- 6- 8	13:46:28.10	9:51.60	84:19.73	18.58	4.09	14	13.3	77	0.35	1.2	1.8
180	90- 6- 8	15:47:45.70	9:51.44	84:18.06	16.14	3.71	18	15.7	83	0.30	0.9	1.2

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	FROF. KM	MAG.	NO	DM KM	GAF GRAD	RMS SEG	ERN KM	ERZ KM
181	90- 6- 8	15:50: 0.26	9:53.62	84:20.37	14.51	3.34	21	15.0	65	0.55	1.1	1.9
182	90- 6- 8	19:42:15.04	9:52.29	84:20.38	13.65	3.79	19	13.2	71	0.44	1.2	1.9
183	90- 6- 8	20: 7:22.96	9:52.33	84:19.02	18.42	2.93	23	15.1	111	0.28	0.7	0.9
184	90- 6- 8	20:21:22.15	9:51.75	84:19.28	15.37	2.87	27	14.1	78	0.28	0.6	1.1
185	90- 6- 8	20:23:46.48	9:51.97	84:19.02	14.48	2.70	26	14.7	77	0.23	0.5	0.9
186	90- 6- 8	20:32:18.78	9:51.47	84:19.44	13.66	2.76	25	13.5	79	0.22	0.5	0.8
187	90- 6- 8	20:58:54.07	9:51.57	84:19.27	9.62	2.73	26	13.9	79	0.26	0.5	1.7
188	90- 6- 8	21:22:53.10	9:52.22	84:19.14	11.26	2.12	19	14.8	75	0.21	0.6	1.9
189	90- 6- 8	21:40:52.29	9:51.88	84:19.29	10.93	2.31	21	14.2	76	0.23	0.6	1.8
190	90- 6- 8	22:10:36.32	9:51.36	84:18.63	8.66	2.37	23	14.7	82	0.18	0.4	2.1
191	90- 6- 8	22:24:37.13	9:51.14	84:19.42	14.00	2.96	26	13.2	82	0.28	0.5	1.1
192	90- 6- 8	22:35:35.30	9:51.32	84:18.57	13.01	3.18	25	14.7	83	0.30	0.6	1.1
193	90- 6- 8	22:41:22.00	9:51.21	84:18.25	13.15	2.51	22	15.2	83	0.18	0.5	1.0
194	90- 6- 8	23: 3:47.77	9:50.79	84:18.15	6.47	2.40	24	14.9	86	0.30	0.6	1.0
195	90- 6- 8	23:52:57.68	9:51.05	84:19.38	10.38	2.11	16	13.2	82	0.20	0.5	2.2
196	90- 6- 9	0:34:46.09	9:53.34	84:19.56	13.77	4.51	17	15.6	67	0.29	0.9	1.5
197	90- 6- 9	0:39:40.76	9:53.11	84:20.57	10.56	2.70	21	14.0	65	0.25	0.6	2.1
198	90- 6- 9	0:40:26.75	9:48.69	84:21.13	10.41	2.10	17	6.8	99	0.31	0.8	1.7
199	90- 6- 9	0:41:46.09	9:52.60	84:18.79	6.64	2.26	17	15.8	73	0.15	0.5	0.8
200	90- 6- 9	0:43: 7.31	9:50.87	84:19.18	8.01	2.08	15	13.4	84	0.22	0.7	1.0
201	90- 6- 9	0:44:25.98	9:51.01	84:19.24	10.23	1.90	17	13.4	83	0.20	0.6	2.4
202	90- 6- 9	0:44:46.74	9:53.45	84:19.49	10.85	2.40	19	15.9	67	0.21	0.5	2.1
203	90- 6- 9	0:45:54.51	9:51.40	84:18.44	7.67	1.90	17	15.0	82	0.15	0.5	0.7
204	90- 6- 9	0:46:16.93	9:53.10	84:19.67	5.22	2.50	23	15.1	68	0.25	0.4	0.7
205	90- 6- 9	0:47:31.24	9:52.00	84:19.24	6.92	2.30	19	14.4	76	0.22	0.5	0.9
206	90- 6- 9	0:56:21.18	9:49.56	84:18.47	8.34	2.45	21	13.6	96	0.18	0.5	2.5
207	90- 6- 9	1:29:32.57	9:52.80	84:19.58	10.51	2.48	24	14.9	70	0.23	0.5	1.2
208	90- 6- 9	1:32:18.49	9:52.15	84:19.59	15.37	3.10	23	14.1	74	0.21	0.5	0.9
209	90- 6- 9	1:49:48.20	9:53.35	84:19.35	14.84	3.01	24	15.9	68	0.27	0.6	1.0
210	90- 6- 9	1:53:37.33	9:48.00	54:18.06	10.80	1.95	14	13.8	109	0.21	0.7	2.5
211	90- 6- 9	2: 3:43.61	9:53.34	84:19.30	11.21	2.48	21	15.9	68	0.32	0.7	1.6
212	90- 6- 9	2:17: 0.24	9:52.63	84:19.84	14.16	2.90	24	14.3	71	0.27	0.6	1.1
213	90- 6- 9	2:17:37.82	9:53.08	84:19.84	7.13	2.27	16	14.9	71	0.26	0.7	1.0
214	90- 6- 9	2:36:22.62	9:51.77	84:19.11	12.97	2.82	25	14.4	78	0.29	0.6	1.2
215	90- 6- 9	2:42:30.47	9:51.39	84:18.92	7.59	2.10	15	14.2	81	0.18	0.6	0.9
216	90- 6- 9	2:54: 8.21	9:50.48	84:18.92	11.76	2.58	22	13.4	88	0.21	0.5	0.9
217	90- 6- 9	3:14:29.97	9:51.77	84:19.25	10.97	2.35	20	14.1	78	0.26	0.6	1.7
218	90- 6- 9	3:25: 3.75	9:51.74	84:19.56	12.32	3.08	25	13.7	77	0.23	0.5	1.0
219	90- 6- 9	3:55:45.28	9:52.87	84:19.87	17.01	3.26	23	14.6	69	0.18	0.5	0.7
220	90- 6- 9	4: 8: 1.38	9:53.04	84:19.80	10.76	2.29	21	14.9	69	0.23	0.5	1.6
221	90- 6- 9	4:11:29.60	9:52.52	84:19.85	18.50	3.07	20	14.2	71	0.24	0.6	0.8
222	90- 6- 9	4:20:59.72	9:52.41	84:19.49	7.33	2.19	19	14.5	72	0.23	0.5	0.9
223	90- 6- 9	4:25: 2.39	9:50.77	84:17.33	11.22	2.33	18	16.3	126	0.17	0.5	1.6
224	90- 6- 9	4:29:27.42	9:52.85	84:19.48	10.73	2.53	24	15.1	70	0.25	0.5	1.4
225	90- 6- 9	4:33:10.25	9:52.56	84:19.76	9.79	2.25	19	14.3	71	0.20	0.5	2.5
226	90- 6- 9	4:52:48.66	9:53.34	84:19.47	13.60	2.80	25	15.7	68	0.24	0.5	1.0
227	90- 6- 9	4:56:33.09	9:51.42	84:19.16	7.55	2.44	22	13.9	81	0.20	0.4	0.7
228	90- 6- 9	5: 2: 5.82	9:52.88	84:19.94	11.42	2.50	24	14.5	69	0.28	0.6	1.2
229	90- 6- 9	6: 3:13.18	9:52.74	84:19.86	13.97	3.01	24	14.4	70	0.26	0.6	1.1
230	90- 6- 9	6: 4:55.81	9:52.36	84:18.48	7.18	2.23	20	15.9	76	0.24	0.5	0.8
231	90- 6- 9	6:27:15.41	9:52.94	84:19.30	10.51	2.49	24	15.4	70	0.22	0.5	1.1
232	90- 6- 9	7:33:58.10	9:51.95	84:19.94	11.12	2.55	24	14.8	78	0.24	0.5	1.1
233	90- 6- 9	9:17:46.50	9:51.24	84:18.19	9.54	2.52	24	15.3	84	0.22	0.5	1.6
234	90- 6- 9	9:59:27.05	9:52.56	84:19.34	6.31	2.26	21	14.9	72	0.20	0.4	0.5
235	90- 6- 9	10:47:49.35	9:51.48	84:19.69	7.67	2.25	18	13.2	78	0.22	0.6	0.7
236	90- 6- 9	11:30:39.41	9:51.49	84:18.86	8.17	2.12	19	14.4	81	0.23	0.6	1.5
237	90- 6- 9	11:55:50.88	9:52.30	84:19.05	11.17	2.40	23	15.0	75	0.23	0.5	1.3
238	90- 6- 9	12:39:29.02	9:53.09	84:19.06	11.62	2.59	24	15.9	70	0.27	0.5	1.6
239	90- 6- 9	13: 0:28.17	9:53.49	84:19.14	6.76	2.53	21	16.4	67	0.20	0.4	0.8
240	90- 6- 9	14:40:56.62	9:53.15	84:19.87	15.61	3.63	18	14.9	68	0.33	1.0	1.3

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SS	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG.	Nº	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
241	90- 6- 9	22:14:16.39	9:52.30	84:19.76	15.44	3.09	22	14.0	73	0.39	0.9	1.5
242	90- 6-10	1:27:10.21	9:53.62	84:19.17	16.70	3.39	25	16.5	67	0.25	0.5	0.9
243	90- 6-10	1:32: 3.25	9:52.10	84:19.08	17.44	2.81	21	14.7	76	0.23	0.5	1.1
244	90- 6-10	7:56:39.66	9:53.07	84:19.88	17.16	3.33	23	14.8	68	0.22	0.6	0.9
245	90- 6-10	16:33:51.54	9:50.47	84:18.44	14.00	2.99	14	14.2	89	0.38	1.1	2.0
246	90- 6-10	16:35: 0.15	9:48.09	84:18.31	8.08	3.10	12	13.3	107	0.35	1.0	1.5
247	90- 6-10	16:44:29.02	9:50.06	84:18.48	9.59	2.93	17	13.9	91	0.32	0.8	3.0
248	90- 6-10	18:34:38.39	9:49.49	84:18.73	12.97	2.54	12	13.1	96	0.46	1.9	2.8
249	90- 6-10	21:52:13.59	9:49.33	84:17.88	5.50	2.72	14	14.5	98	0.29	0.7	0.9
250	90- 6-11	5:29:43.75	9:51.31	84:18.99	7.71	2.85	20	14.1	81	0.25	0.5	0.8
251	90- 6-12	16:42:58.65	9:51.15	84:19.85	11.13	3.07	20	12.6	81	0.35	0.9	3.1
252	90- 6-12	17:36:57.28	9:50.61	84:18.31	6.56	2.70	13	14.6	108	0.50	1.4	1.8
253	90- 6-12	23:37:31.97	9:52.17	84:19.79	9.85	2.42	15	13.8	101	0.22	0.7	2.4
254	90- 6-12	23:38: 9.47	9:52.78	84:19.26	11.49	2.61	17	15.3	102	0.30	0.7	1.9
255	90- 6-13	5: 2:32.51	9:50.85	84:18.61	5.98	3.85	15	14.2	86	0.31	0.8	1.2
256	90- 6-13	6:58:58.06	9:51.63	84:19.15	12.02	2.71	23	14.2	79	0.33	0.7	1.4
257	90- 6-13	10:21:13.60	9:52.76	84:19.43	8.36	2.63	22	15.1	71	0.36	0.7	7.5
258	90- 6-13	13: 0:24.28	9:52.76	84:19.88	15.80	2.77	24	14.4	70	0.24	0.5	0.9
259	90- 6-13	14:15:29.24	9:51.40	84:18.95	16.46	2.89	27	14.2	81	0.27	0.6	0.9
260	90- 6-13	21:11: 6.86	9:51.76	84:18.78	12.93	2.59	15	14.9	118	0.24	0.8	1.8
261	90- 6-14	17:52:11.96	9:51.06	84:18.46	5.62	2.72	16	14.7	85	0.44	0.9	1.2
262	90- 6-15	1:16:40.79	9:52.69	84:20.03	15.48	2.87	26	14.1	69	0.27	0.6	1.0
263	90- 6-16	1:27:37.81	9:52.27	84:20.11	9.54	2.24	15	13.5	109	0.38	0.9	2.8
264	90- 6-16	2:22:47.95	9:52.73	84:19.72	16.58	4.16	14	14.6	71	0.23	0.9	1.4
265	90- 6-16	2:27:47.49	9:51.85	84:18.00	12.32	2.65	23	16.1	79	0.25	0.6	1.7
266	90- 6-16	2:28:48.09	9:52.05	84:19.32	10.56	2.49	21	14.4	75	0.26	0.6	2.1
267	90- 6-16	2:42:16.39	9:52.11	84:19.14	13.36	2.55	23	14.7	76	0.25	0.6	1.3
268	90- 6-16	3:36:48.40	9:51.10	84:19.35	10.11	2.19	15	13.3	82	0.17	0.6	2.4
269	90- 6-16	4: 8:14.85	9:52.51	84:19.20	12.07	2.57	21	15.1	73	0.24	0.5	1.8
270	90- 6-16	7:19:14.70	9:48.62	84:22.04	10.58	2.28	13	6.8	138	0.21	0.9	1.7
271	90- 6-16	7:55: 6.13	9:50.68	84:21.56	16.83	3.48	20	9.6	78	0.34	0.8	1.0
272	90- 6-17	23:25:54.07	9:52.28	84:19.56	12.92	2.84	19	14.2	101	0.27	0.7	1.6
273	90- 6-17	23:29:38.19	9:53.72	84:19.29	15.94	3.22	22	16.5	106	0.30	0.8	1.0
274	90- 6-17	23:31: 0.35	9:52.00	84:18.91	14.68	2.82	20	14.9	99	0.26	0.6	1.5
275	90- 6-17	23:51:55.66	9:54.05	84:19.58	11.19	2.62	17	16.5	108	0.30	0.7	2.7
276	90- 6-18	1:35:15.74	9:53.72	84:19.18	18.48	3.44	24	16.6	66	0.25	0.6	0.8
277	90- 6-18	7:10:59.69	9:51.87	84:22.87	19.45	3.35	18	27.3	106	0.30	0.8	1.3
278	90- 6-18	9: 4:26.89	9:49.68	84:23.02	15.37	3.29	19	6.3	98	0.25	0.7	1.3
279	90- 6-18	9: 8: 8.22	9:52.44	84:22.74	5.80	2.52	15	10.7	106	0.42	1.0	1.3
280	90- 6-18	9: 9:48.02	9:50.50	84:22.82	17.50	3.53	24	7.7	100	0.27	0.7	0.8
281	90- 6-18	9:44:29.82	9:48.94	84:22.89	11.40	2.54	15	5.7	127	0.28	0.8	1.5
282	90- 6-18	9:36:29.29	9:53.18	84:19.08	15.87	2.68	19	16.0	104	0.23	0.6	1.4
283	90- 6-19	4:29: 0.52	9:49.22	84:18.98	14.60	3.41	16	12.5	99	0.40	1.0	2.7
284	90- 6-19	15:58:34.78	9:48.24	84:22.35	12.02	3.15	20	6.1	106	0.26	0.7	1.3
285	90- 6-19	17:42: 5.79	9:50.91	84:23.25	5.74	2.53	13	7.8	102	0.45	1.1	1.3
286	90- 6-20	4:29: 0.41	9:50.43	84:18.44	16.25	3.53	16	14.2	89	0.33	1.0	1.6
287	90- 6-20	22:31:56.80	9:53.51	84:19.88	10.96	2.98	21	15.4	65	0.25	0.5	1.8
288	90- 6-22	16:25:45.31	9:52.94	84:19.69	8.06	2.67	16	14.9	70	0.32	0.7	1.4
289	90- 6-26	19:12:19.79	9:52.44	84:19.86	13.67	3.35	18	14.1	71	0.38	0.9	2.0
290	90- 6-27	16:50:20.12	9:52.90	84:19.47	5.27	2.77	19	15.3	70	0.29	0.6	0.7
291	90- 6-30	9: 4:30.70	9:55.77	84:21.88	3.78	2.60	19	17.0	117	0.17	0.7	2.6
292	90- 6-30	13: 1:39.19	9:50.42	84:23.01	11.43	2.87	17	7.3	70	0.25	0.8	1.4
293	90- 6-30	13: 3:27.84	9:50.61	84:23.19	11.30	3.43	18	7.4	66	0.30	0.9	1.5
294	90- 6-30	13: 5: 3.15	9:51.13	84:23.79	5.33	2.47	11	8.6	108	0.22	0.8	1.3
295	90- 6-30	13: 7:41.42	9:51.55	84:24.56	3.71	2.03	10	8.0	115	0.24	0.7	0.9
296	90- 6-30	14:11:47.71	9:51.83	84:22.28	5.26	2.19	12	10.2	117	0.28	0.9	0.9
297	90- 6-30	14:35:50.14	9:51.47	84:22.28	6.69	2.63	15	9.7	108	0.27	1.0	1.2
298	90- 6-30	14:51: 7.35	9:51.46	84:23.43	8.01	5.00	17	5.2	104	0.29	1.1	0.5
299	90- 6-30	14:55:21.46	9:53.79	84:21.64	14.51	4.50	13	10.9	71	0.31	1.1	1.8
300	90- 6-30	14:57:46.52	9:50.66	84:23.01	13.00	4.30	14	7.7	68	0.28	1.0	1.6

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG.	Nº	DM KM	GAP GRAD	RMS SEG	ERH KM	ERZ KM
301	90- 6-30	14:59: 6.94	9:49.38	84:21.20	14.29	4.50	14	8.8	94	0.32	1.2	1.5
302	90- 6-30	15: 1: 7.84	9:52.93	84:23.26	13.18	4.00	14	11.2	71	0.33	0.9	2.1
303	90- 6-30	15: 4:30.60	9:49.47	84:22.22	11.47	3.29	15	7.3	88	0.40	1.1	2.6
304	90- 6-30	15:31:53.66	9:51.53	84:23.58	10.72	3.13	16	8.5	69	0.36	1.0	2.8
305	90- 6-30	15:44:23.14	9:49.91	84:21.20	5.10	2.17	15	9.3	102	0.15	0.5	0.6
306	90- 6-30	15:45:25.57	9:49.79	84:23.42	19.02	3.32	15	6.0	108	0.24	0.8	1.0
307	90- 6-30	15:47:59.42	9:47.82	84:19.90	5.17	2.18	12	10.4	110	0.36	1.3	1.7
308	90- 6-30	15:54:31.93	9:49.63	84:22.58	9.80	2.19	13	6.9	125	0.23	0.7	1.6
309	90- 6-30	15:54:58.76	9:50.31	84:21.70	6.67	2.62	21	8.9	81	0.28	0.5	0.9
310	90- 6-30	16: 2: 1.39	9:51.38	84:19.32	10.54	2.26	17	13.6	105	0.20	0.6	2.2
311	90- 6-30	16: 5:23.70	9:50.52	84:21.94	4.68	2.08	9	8.9	131	0.22	0.7	0.8
312	90- 6-30	16:18:18.91	9:48.46	84:21.75	4.66	2.18	16	7.3	104	0.27	0.7	1.2
313	90- 6-30	16:18:56.05	9:51.28	84:22.68	7.04	2.19	14	8.9	108	0.25	0.9	1.0
314	90- 6-30	16:28: 3.34	9:48.83	84:23.58	13.51	2.95	20	4.6	87	0.27	0.7	1.1
315	90- 6-30	16:40:56.85	9:51.12	84:23.10	12.29	2.45	17	8.3	68	0.22	0.6	1.4
316	90- 6-30	16:43:56.97	9:49.96	84:22.94	9.24	2.45	18	6.8	76	0.32	0.8	2.0
317	90- 6-30	17: 1:20.58	9:49.92	84:22.22	9.58	2.47	18	7.7	82	0.26	0.7	1.9
318	90- 6-30	17:11: 6.47	9:51.69	84:23.37	12.80	3.00	17	8.9	104	0.29	0.8	1.7
319	90- 6-30	17:19:20.70	9:50.79	84:22.53	11.83	2.33	15	8.4	107	0.26	0.8	1.9
320	90- 6-30	17:20:59.80	9:51.26	84:23.58	12.97	2.42	17	8.1	104	0.30	0.7	1.5
321	90- 6-30	17:21:52.51	9:52.02	84:22.43	14.97	2.55	17	10.4	67	0.28	0.8	1.7
322	90- 6-30	17:38:29.16	9:50.05	84:22.11	16.23	2.56	23	8.1	81	0.27	0.7	1.2
323	90- 6-30	17:39:55.84	9:49.70	84:21.67	13.16	2.88	22	8.3	87	0.29	0.7	1.4
324	90- 6-30	17:41:57.98	9:48.61	84:21.23	7.71	2.19	13	8.3	103	0.24	0.9	0.7
325	90- 6-30	17:49:40.72	9:51.52	84:23.12	17.35	3.68	18	8.9	68	0.26	0.8	1.4
326	90- 6-30	17:52:10.68	9:47.72	84:21.46	10.85	2.26	14	7.6	151	0.24	1.0	1.6
327	90- 6-30	18:14:57.12	9:50.31	84:22.22	5.81	2.20	10	8.2	104	0.16	0.7	0.9
328	90- 6-30	18:29:57.83	9:51.43	84:23.30	5.62	2.44	17	9.6	108	0.23	0.5	0.8
329	90- 6-30	18:41:17.44	9:51.26	84:23.46	16.74	3.66	20	8.2	69	0.31	0.8	1.2
330	90- 6-30	18:47:10.85	9:51.39	84:22.91	7.19	2.20	14	8.9	109	0.21	1.1	1.0
331	90- 6-30	18:58:14.71	9:49.49	84:22.13	7.52	2.41	21	7.4	88	0.25	0.5	0.7
332	90- 6-30	19:25:47.66	9:49.58	84:22.25	8.99	2.63	20	7.3	86	0.26	0.7	1.8
333	90- 6-30	19:57:21.64	9:52.15	84:21.84	5.60	2.40	14	11.2	104	0.23	0.7	1.1
334	90- 6-30	20: 9:21.19	9:50.35	84:22.41	6.18	2.36	20	8.0	76	0.31	0.6	1.0
335	90- 6-30	20:23:41.38	9:50.79	84:22.48	9.73	2.70	19	8.5	71	0.30	0.7	2.0
336	90- 6-30	20:39: 1.07	9:50.24	84:21.62	9.42	2.86	19	8.9	82	0.28	0.7	2.3
337	90- 6-30	20:50:20.07	9:49.54	84:22.54	8.51	2.46	15	6.8	102	0.24	0.8	2.0
338	90- 6-30	21:51:17.31	9:52.38	84:22.10	8.17	2.19	17	11.2	125	0.24	0.8	0.8
339	90- 6-30	21:57: 2.37	9:50.00	84:21.08	10.31	2.33	19	9.6	87	0.21	0.6	2.1
340	90- 6-30	22:13:13.93	9:49.96	84:21.87	4.94	2.39	17	8.3	84	0.27	0.6	0.8
341	90- 6-30	22:53:53.83	9:49.01	84:21.34	7.22	2.24	12	8.3	135	0.24	1.3	0.8
342	90- 6-30	23:54:24.36	9:48.96	84:22.25	12.50	2.13	11	6.8	132	0.24	1.1	1.6
343	90- 6-30	23:56:45.79	9:50.06	84:21.39	5.90	2.33	17	9.1	85	0.23	0.6	1.0
344	90- 7- 1	0:37: 4.80	9:53.37	84:20.28	14.30	3.51	21	14.7	64	0.25	0.6	1.0
345	90- 7- 1	0:47:57.69	9:52.83	84:19.16	6.55	2.49	17	15.4	72	0.27	0.6	1.1
346	90- 7- 1	1:22:25.73	9:51.51	84:21.88	6.57	2.11	13	10.2	115	0.16	0.8	0.8
347	90- 7- 1	2: 1:13.86	9:51.12	84:21.53	5.71	2.73	17	10.2	74	0.30	0.7	1.1
348	90- 7- 1	2:38:51.21	9:52.23	84:23.11	6.71	2.34	15	10.1	112	0.29	0.7	1.1
349	90- 7- 1	2:53:41.84	9:50.37	84:22.87	16.77	3.59	18	7.5	72	0.29	0.9	1.2
350	90- 7- 1	3:28:39.43	9:51.15	84:22.13	9.99	2.52	18	9.4	70	0.25	0.6	2.4
351	90- 7- 1	4: 6:39.55	9:48.54	84:23.20	6.99	2.99	16	4.8	96	0.29	0.7	0.9
352	90- 7- 1	5:21:56.39	9:51.42	84:23.69	16.03	2.72	20	8.3	69	0.40	0.9	1.8
353	90- 7- 1	7: 1:46.53	9:50.21	84:21.35	9.43	2.50	12	51.3	107	0.30	1.1	21.2
354	90- 7- 1	16:26:51.12	9:50.16	84:22.51	11.52	2.93	13	7.6	77	0.29	1.1	3.0
355	90- 7- 2	16:51: 1.44	9:49.83	84:22.68	6.83	2.91	16	7.0	80	0.44	1.3	1.5
356	90- 7- 2	20:43:39.26	9:49.67	84:23.82	6.02	2.98	16	5.3	69	0.43	1.0	1.2
357	90- 7- 3	2:32:20.38	9:51.89	84:19.02	12.64	3.79	19	14.6	77	0.25	0.6	1.6
358	90- 7- 3	10: 1: 6.05	9:52.69	84:19.05	15.94	3.10	18	15.4	111	0.30	0.9	1.7
359	90- 7- 3	11: 4:23.74	9:48.52	84:23.19	14.48	3.05	19	4.8	125	0.27	0.9	1.0
360	90- 7- 4	1: 9:52.40	9:52.09	84:23.47	12.77	2.76	15	9.6	106	0.35	1.0	2.1

NUM	FECHA AA-MM-DD	T.ORIGEN HH:MM:SEG	LAT. N. GRAD:MIN	LONG.O. GRAD:MIN	PROF. KM	MAG.	No	DM KM	GAP GRAD	RMS SEG	EXH KM	ERZ KM
361	90- 7- 4	1:55:19.03	9:51.68	84:23.06	11.82	2.47	10	9.2	104	0.32	1.3	3.1
362	90- 7- 4	4:14:11.60	9:49.56	84:21.93	9.37	2.46	14	7.8	125	0.32	1.0	2.2
363	90- 7- 4	16:50:28.15	9:49.19	84:21.89	10.75	2.86	14	7.5	130	0.29	0.9	1.7
364	90- 7- 5	8:47:57.82	9:48.14	84:22.78	15.62	2.88	19	5.3	107	0.29	0.8	1.5
365	90- 7- 6	12:40:36.40	9:53.30	84:23.31	6.39	3.48	14	11.7	95	0.31	1.1	1.6
366	90- 7- 8	21: 1:28.07	9:50.05	84:22.48	17.03	3.26	22	7.5	78	0.28	0.7	1.2
367	90- 7- 8	22:42:50.80	9:47.38	84:16.06	8.18	2.41	18	17.4	104	0.28	0.7	2.1
368	90- 7- 9	8:59: 1.72	9:49.25	84:23.96	12.64	2.68	19	4.6	90	0.27	0.7	1.2
369	90- 7- 9	9: 0:55.09	9:51.38	84:22.88	5.03	2.47	14	8.9	88	0.32	1.3	2.0
370	90- 7- 9	10:37:23.23	9:47.80	84:25.21	11.74	2.53	12	1.1	94	0.20	0.7	1.1
371	90- 7- 9	13:35:11.23	9:51.36	84:19.92	9.20	2.43	19	12.7	117	0.27	0.7	2.7
372	90- 7-11	23:29: 8.94	9:52.91	84:19.63	13.25	3.08	17	14.9	69	0.40	1.1	2.8