

SECRETARIA DE INDUSTRIA, COMERCIO Y TRABAJO

DEPARTAMENTO DE EXPLORACIONES Y ESTUDIOS GEOLOGICOS

Jefe del Departamento y Director del Instituto Geológico, Ing. JUAN D. VILLARELLO

INSTITUTO GEOLOGICO DE MEXICO

CATALOGO DE LOS TEMBLORES

REGISTRADOS EN LA RED SEISMOLOGICA MEXICANA

DURANTE EL AÑO DE 1922



TACUBAYA, D. F. MEXICO

—
IMPRENTA DE LA DIRECCION DE ESTUDIOS GEOGRAFICOS Y CLIMATOLOGICOS

—
1925

SERVICIO SEISMOLOGICO NACIONAL

ESTADOS UNIDOS MEXICANOS

Director del Instituto Geológico y del Servicio Seismológico, *Ing. Juan D. Villarello.*

Seismologista en Jefe, *Manuel Muñoz Lumbier.*

DIRECCION POSTAL

Instituto Geológico Nacional.

6ª del Ciprés, núm. 176.—México D. F.

NOTACION USADA

Coordenadas: ϕ Latitud; λ Longitud de Greenwich; α Altitud.

CARACTER DEL TEMBLOR

I—Perceptible; **II**—notable; **III**—muy notable.

d—Terræ motus domesticus—temblor local a menos de 100 kilómetros.

v—Terræ motus vicinus—plesioseísmo—temblor vecino, cercano, o menos de 1000 kilómetros.

r—Terræ motus remotus—teleseísmo—temblor lejano, de 1000 a 5000 kilómetros.

u—Terræ motus ultimus—temblor muy lejano a más de 5000 kilómetros.

FASES

P—Undæ primæ—primeros tremors (ondas longitudinales).

S—Undæ secundæ—segundos tremors (ondas transversales).

P R_n—Ondas primeras reflejadas **n** veces.

S R_n—Ondas segundas reflejadas **n** veces.

PS—Ondas que por reflexión cambian su carácter de longitudinales en transversales o recíprocamente.

L—Undæ longæ—porción principal (ondas largas).

M—Undæ maximæ—movimiento máximo en la porción principal.

C—Coda, cola.

F—Finis—fin.

NATURALEZA DEL MOVIMIENTO

i—Impetus—ímpetu—comienzo brusco claramente definido.

e—Emersio—emersión—comienzo gradual más o menos incierto.

?—Dudoso.

TIEMPO Y UNIDADES DE MEDIDA

Tiempo—tiempo medio de Greenwich contado de 0^h a 24^h, 0 a la media noche.

μ —Micron 0^{mm}. 001.

s—Segundos de tiempo.

"—Segundos de arco.

Δg —Miligal—0.001 de la unidad de aceleración en el sistema C. G. S.

T—Período de oscilación completa medida en el diagrama.

T_o—Período muerto del instrumento.

A—Amplitud—desviación de la posición del equilibrio.

A_N—Amplitud en la componente Norte—Sur.

A_E—Amplitud en la componente Este—Oeste.

Z—Amplitud en la componente vertical.

ESTACION SEISMOLOGICA CENTRAL

TACUBAYA, D. F.

COORDENADAS: Latitud N., $19^{\circ}24'18''$. Longitud, $99^{\circ}11'37''$. W. de Greenwich.
Altitud, 2,320 mts. sobre el nivel del mar.

DOTACION DE INSTRUMENTOS

Seismógrafos horizontales Wiechert de 17,000, 1,200 y 200 kgs. de masa.

Siesmógrafos verticales Wiechert de 1,300 y 80 kgs. de masa.

Péndulos Bosch-Omori de 10 kgs. Péndulos Bosch de registro fotográfico de 200 gramos. Tromómetro Wiechert-Mintrop. Gravímetro trifilar de Schmidt.

Primer Seismologista Encargado de la Estación Seismológica Central, *Ing. F. Patiño Ordaz.*

Segundo Seismologista, *Ulises Ocampo Rubio.*

Mozo, *Mariano Gutiérrez.*

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Modelo	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		g.	T.	Δt.		
1	10	Wiech.	17000	N-S	2000	1.5	2:5	II _v	6.14.48.		6.15.28.	6.15.33.	6.15.44.	6.18.14.	6	2	6	329	Se desnivela esta componente.
"	"	"	17000	E-W	2000	"	2:6	"	6.14.48.		6.15.30.	6.15.33.	6.16.46.	6.18.47.	22	2	22	329	
2	5	"	17000	N-S	2000	1.5	2:5	II _v	0.41.01.		0.41.41.	0.41.49.	0.42.29.	0.44.45.	5	1	20	336	
"	"	"	17000	E-W	2000	"	2:6	"	0.41.01.		0.41.43.	0.41.53.	0.42.59.	0.45.16.	9	1	36	343	
3	6	"	17000	N-S	2000	1.5	2:5	II _r	14.19.17.			14.34.18.	14.43.11.	?	179	18	2,2		
"	"	"	17000	E-W	2000	"	2:6	"	14.19.16.			14.34.28.	14.43.15.	"	160	17	2		
"	"	"	1200	N-S	250	6	2:8	"	14.19.17.		14.29.21.	14.34.42.	14.42.12.		148	18	1,5	4265	
"	"	"	1200	E-W	250	6	2:6	"	14.19.16.		14.29.29?	14.36.08.	14.42.08.	15.32.08.	424	18	5?	4300?	
4	7	"	17000	N-S	2000	1.5	2:5	III _v	22.01.40.		22.02.31.	22.02.47.	22.04.19.	22.07.14.	7	1	28	409	
"	"	"	17000	E-W	2000	"	2:6	"	22.01.41.		22.02.30.	22.02.40.	22.04.22.	22.07.30.	16	1	60	394?	
"	"	"	1200	N-S	250	6	2:8	"	22.01.40.		22.02.31.	22.02.40.	22.04.10.					409	
"	"	"	1200	E-W	250	"	2:6	"	22.01.41.		22.02.31.	22.02.34.	22.03.34.	22.07.43.				409	
5	9	"	17000	N-S	2000	1.5	2:5	I _u	5.18.30.	5.25.21.	5.31.38.								
"	"	"	17000	E-W	2000	"	2:6	"	5.18.30.	5.25.20.	5.31.55.								
"	"	"	1200	N-S	250	6	2:8	"		5.25.16?	5.30.46.								
"	"	"	1200	E-W	250	"	2:6	"	5.18.31.	5.25.16.	5.30.55.								
6	17	"	17000	N-S	2000	1.5	2:5	III _r	3.56.44.	4.01.51.	4.05.28.	4.06.10.	4.08.52.	5.05.22.	70	3	31	3540	
"	"	"	17000	E-W	2000	"	2:6	"	3.56.44.	4.01.51.	4.05.25.	4.06.10.	4.09.29.	5.03.29.	66	3	29	3540	
"	"	"	1200	N-S	250	6	2:8	"	3.56.42.	4.01.45.	4.03.45.	4.05.33.	4.30.33.		319	12	22	3280	
"	"	"	1200	E-W	250	"	2:6	"	3.56.39.	4.01.39.	4.03.39.	4.05.24.	4.12.24.		1066	15	19	3240	
"	"	"	1300	Z	160	4	3:5	"	3.56.42.	4.01.42.	4.04.42.	4.06.22.	4.18.22.		111	3	49	3240	
"	"	"	80	Z	80	4	3:5	"	3.56.43.	4.01.46.									
7	19	"	17000	N-S	2000	1.5	2:5	III _v	3.43.56.		3.44.30.	3.44.44.	3.45.25.	3.48.20.	6	1	24	285	
"	"	"	17000	E-W	2000	"	2:6	"	3.43.56.		3.44.29.	3.44.36.	3.47.21.	3.49.53.	15	1	60	280	
"	"	"	1200	N-S	250	6	2:8	"	3.43.58.		3.44.31.	3.44.34.	3.45.31.	3.48.16.	15	2	15	280	
"	"	"	1200	E-W	250	"	2:6	"	3.43.58.		3.44.31.	Inciertas.	3.45.49.	3.48.10.	18	2	18	280	
"	"	"	1300	Z	160	4	3:5	"	3.43.56.		3.44.30.	3.44.46.	3.45.10.	3.47.10.	18	3	8	285	
8	20	"	17000	N-S	2000	1.5	2:5	I _v			4.36.09.	4.36.16.	4.43.14.	?				2027?	
"	"	"	17000	E-W	2000	"	2:6	"	4.32.04.		4.36.09.	4.38.34.	4.43.11.	"				2027	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T ₀	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
9	21	Wiech.	17000	N-S	2000	1.5	2:5	II	12.46.46.		12.47.21.	12.47.28.	12.47.58.	12.48.58.	2	1	8	292	
"	"	"	17000	E-W	2000	"	2:6	"	12.46.46.		12.47.21.	12.47.34.	12.48.04.	12.49.12.	2	1.5	4	292	
10	22	"	17000	N-S	2000	1.5	2:5	I	15.34.24.		15.35.03.	15.35.09.	15.35.40.	15.37.00	2	1.5	3	322	
"	"	"	17000	E-W	2000	"	2:6	"	15.34.24.		15.35.04.	15.35.12.	15.35.37.	15.37.08.	2	1.5	3	329	
11	31	"	17000	N-S	2000	1.5	2:5	III	13.23.45.	13.28.52.	13.31.20.	13.35.42.	14.09.39.	?	716	12	20	3350	M ₀ 13.37.54. T = 10 A = 28.
"	"	"	17000	E-W	2000	"	2:6	"	13.23.45.	13.28.52.	13.31.23.	13.35.56.	14.05.11.	"	1576	12	42	3350	
"	"	"	1200	N-S	250	6	2:8	"	13.23.44.	13.28.53.	13.31.11.	13.34.23.	13.49.36.	15.30.24.	1070	12	30	3380	M ₀ 13.36.08. T = 12 A = 86.
"	"	"	1200	E-W	250	"	2:3	"	13.23.47.	13.28.56.	13.31.11.	13.35.53.	13.49.41.	?	876	12	23	3370	M ₀ 13.38.05. T = 12.
"	"	"	1300	Z	160	4	3:5	"	13.23.51?	13.29.03.		13.37.24.	13.48.39.	14.41.15.	1038	12	29	3420?	
"	"	"	80	Z	80	4	4	"	13.23.48.			13.38.12.	13.44.20.	14.06.20.	418	12	12		

JAM.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
12	11	Wisch.	17000	N-S	2000	1.5	2:5	I _V	8.20.40.		8.22.22.	8.22.47.	8.23.32.	8.26.22.	2	1	8	780	
"	"	"	17000	E-W	2000	"	2:6	"	8.20.38.		8.22.19.	8.22.50.	8.23.39.	8.26.56.	4	1	16	772	
13	14	"	17000	N-S	2000	1.5	2:5	III _V	12.29.33.	12.30.59.	12.32.19.	12.34.09.	12.39.25.	12.58.30.	72	5	12		
"	"	"	17000	E-W	2000	"	2:6	"	12.29.33.	12.30.58.	12.31.16.	12.32.42.	12.44.33.	†	75	5	12		
"	"	"	1200	N-S	250	6	2:8	"	12.29.33.	12.31.00	12.31.24.	12.32.14.	12.35.36.	"		7			
"	"	"	1200	E-W	250	"	2:3	"	12.29.33.	12.31.00	12.31.16.	12.32.33.	12.33.51.	"		6			
14	16	"	17000	N-S	2000	1.5	2:5	I _F	3.18.14.	3.22.32?									
"	"	"	17000	E-W	2000	"	2:6	"	3.18.14.	3.22.33.									
"	"	"	1200	N-S	250	6	2:8	"	3.18.12.	3.22.30.	3.23.16.	3.23.21.	3.46.40.	†		12			
"	"	"	1200	E-W	250	"	2:3	"	3.18.14?	3.22.32.	Fases mal definidas.								
"	"	B.Omo.	10	N-S	15	30.5		"	3.18.15.	3.22.33.									
15	22	Wisch.	17000	N-S	2000	1.5	2:5	II _F	21.14.44.	21.18.31.	21.19.39.	21.23.28.	21.29.05.	†	16	7	1.32	2280	
"	"	"	17000	E-W	2000	"	2:6	"	21.14.44.	21.18.31.	21.19.36.	21.23.34.	21.27.03.	21.42.00.	21.	7	1.70	2280	

JAM.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mens.	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Δg.		
16	4	Wiech.	17000	N-S	2000	1.5	2:5	I _U	13.19.43.	13.29.42.								8780	
"	"	"	17000	E-W	2000	"	2:6	"	13.19.40.	13.29.40.									
"	"	B. Omo.	10	N-S	15	30.5		"	13.19.43.	13.29.42.								8780	
"	"	"	10	E-W	15	31		"	13.19.46.	13.29.43.								8740	
17	10	Wiech.	17000	N-S	2000	1.5	2:5	I _T	7.27.11.	7.32.04.	7.34.35.	7.34.45.	7.36.01.	?	99	15	1.76	3140	
"	"	"	17000	E-W	2000	"	2:6	"	7.27.11.	7.32.03.	7.34.19.	7.36.55.	7.43.58.		149	15	2.64	3130	
18	12	"	17000	N-S	2000	1.5	2:5	III _V	12.34.31.		12.35.15.								
"	"	"	17000	E-W	2000	"	2:6	"	12.34.31.										
"	"	"	1200	N-S	250	6	2:8	"	12.34.31.		12.35.16.	12.36.46.	12.38.46.	12.45.12.	119	4	30	365	
"	"	"	1200	E-W	250	"	2:3	"	12.34.31.		12.35.17.	12.36.31.	12.38.24.	?	117	4	29	372	
"	"	"	80	Z	80	4	3:5	"	12.34.31.		12.35.17.	12.36.23.	12.36.39.	12.41.05.		3		372	
19	12	"	17000	N-S	2000	1.5	2:5	III _V	19.55.10.		19.55.53.	19.55.58.	19.56.58.	19.59.23.	10	1	40	351	
"	"	"	17000	E-W	2000	"	2:6	"	19.55.10.		19.55.54.	19.56.02.	19.56.52.	19.59.52.	7	1	28	358	
20	20	"	17000	N-S	2000	1.5	2:5	II _V	20.03.18.		20.03.51.	20.03.54.	20.04.48.	?	3	1	12	278	M ₂ 20.04.03. T = 1 A = 8.
"	"	"	17000	E-W	2000	"	2:6	"	20.03.18.		20.03.50.	20.03.52.	20.04.11.	20.08.18.	4	1	16	270	M ₂ 20.04.11. T = 1 A = 14.
21	20	"	17000	N-S	2000	1.5	2:5		21.00.02.		21.00.59.	21.01.06.	21.02.12.	?	6	1	24	452	
"	"	"	17000	E-W	2000	"	2:6		21.00.02.		21.01.00.	21.01.03.	21.02.24.	21.06.18.	10	1	40	460	
22	28	"	17000	N-S	2000	1.5	2:5	I _V	4.07.25.	4.14.35.									
"	"	"	17000	E-W	2000	"	2:6	"	4.07.26.	4.14.35.									
"	"	"	1200	N-S	250	6	2:8	"	4.07.24.	4.14.32.									
"	"	"	1200	E-W	250	"	2:3	"	4.07.24.	4.14.33.									
"	"	"	1300	Z	160	4	3:5	"	4.07.24.										
"	"	B. Omo.	10	N-S	15	30.5		"	4.07.24.	4.14.35.									
"	"	"	10	E-W	15			"	4.07.24.	4.14.33.									
23	29	Wiech.	17000	N-S	2000	1.5	2:5	I _V	9.16.56.		9.17.35.	9.17.38.	9.18.09.	9.19.20.	0.67	1	2.68	322	
"	"	"	17000	E-W	2000	"	2:6	"	9.16.58.		9.17.35.	9.17.40.	9.18.04.	9.19.04.	0.65	1	3.40	322	
24	29	"	17000	N-S	2000	1.5	2:5	I _V	9.21.07.		9.21.47.	9.21.51.	9.22.09.	9.23.15	0.64	1	3.36	329	
"	"	"	17000	E-W	2000	"	2:6	"	9.21.06.		9.21.45.	Incierta.	9.22.11	9.23.20				322	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Marca	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		p.	T.	Ag.		
25	29	Wiech.	17000	N-S	2000	1.5	2:5	IL	12.35.10.	12.37.12.	12.37.28?	12.37.45.	12.41.15.	12.52.30.	8.4	2	33.4	1140	
"	"	"	17000	E-W	2000	"	2:6	"	12.35.08.	12.37.10.-	12.37.24?	12.38.10.	12.41.28.	12.52.28.	8	2	32	1140	
"	"	"	1200	N-S	250	6	2:8	"	12.35.09.	12.37.12.	12.37.27?							1150	
"	"	"	1200	E-W	250	"	2:3	"	12.35.09.	12.37.12.	12.37.27.	12.37.54.	12.40.54.			3		1150	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Modo	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		H.	T.	Seg.		
26	2	Wiech.	17000	N-S	2000	1.5	2:5	III _V	1.45.40.		1.45.15.							2927	Se oyó el estilete.
"	"	"	17000	E-W	2000	"	2:6	"	1.45.40.		1.45.16?							3007	" " " "
"	"	"	1200	N-S	250	6	2:8	"	1.45.41.		1.45.17.							300	" " " "
"	"	"	1200	E-W	250	6	2:3	"	1.45.41.		1.45.16.							292	" " " "
"	"	"	125	NE-SW	125	3.5	2:5	"	1.45.41.		1.45.15.	1.45.21.	1.49.21.	?	2				
"	"	"	125	NW-SE	125	"	2:6	"	1.45.41.		1.45.15.	1.45.23.	1.49.23.		2				
"	"	"	1300	Z	160	4	2:5	"	1.45.41.		1.45.16.	1.45.38.	1.50.00.		209	2	209	300	
"	"	"	80	Z	80	4	2:5	"	1.45.41.		1.45.17.	1.45.51.	1.45.39.	1.52.40.	75	3	3	300	
27	2	"	17000	N-S	2000	1.5	2:5	III _V	17.04.41.	17.06.27.	17.06.34.	17.07.30	17.10.30.		21	2	84		
"	"	"	17000	E-W	2000	"	2:6	"	17.04.41.	17.06.21?	17.06.33.	17.07.23?							Se desniveló la componente.
"	"	"	1200	N-S	250	6	2:8	"	17.04.40.	17.06.19	17.06.37.	17.07.01.	17.12.31.	?					
"	"	"	1200	E-W	250	"	2:3	"	17.04.43.	17.06.22.	17.06.37.	17.07.32.	17.12.20.	17.22.20.					
28	2	"	17000	E-W	2000	1.5	2:6	I _u	19.28.04.	19.28.11.	19.47.36.							6580	
29	8	"	17000	N-S	2000	1.5	2:5	II _V	2.59.31.		3.00.08.	3.00.13.	3.01.08.	3.03.09.	4.8	1.5	8.5	307	M ₂ 3.00.18 f = 1.5 A = 16.
"	"	"	17000	E-W	2000	"	2:6	"	2.59.31.		3.00.08.	3.00.17.	3.01.12.	3.06.42.	9.6	1.5	17	307	
30	8	"	17000	E-W	2000	1.5	2:6	I _u	20.53.56.	21.03.13.	21.18.09.							7950	
"	"	"	1200	E-W	250	6	2:3	"	20.53.57.	21.03.12.	21.18.05.							7900	
"	"	B. Omo.	10	E-W	15	31	"	"		21.03.13.	21.18.11.								
31	11	Wiech.	17000	N-S	2000	1.5	2:5	I _r	10.27.25.	10.29.25.	10.30.00.	10.30.13.	10.39.01.	?	11.4	6	1.25		M ₂ 10.31.52. T = 5 A = 1.6
"	"	"	17000	E-W	2000	"	2:6	"	10.27.25.	10.29.25.	10.29.42.	10.29.58.	10.39.13.	10.46.13.	17.5	6	1.94		M ₂ 10.31.08. T = 4 A = 2.
"	"	"	1200	N-S	250	6	"	"	10.27.25.	10.29.25.	10.29.58.	10.30.16.	10.35.43.		21	6	2		M ₂ 10.31.53. T = 5 A = 8.
"	"	"	1200	E-W	250	"	"	"	10.27.25.	10.29.25.	10.29.58.	10.30.26.	10.33.29.		13	6	1.4		
"	"	B. Omo.	10	N-S	15	30.5	"	"	?	10.29.25.	10.30.03.	10.30.16.	10.32.07.						
32	11	Wiech.	17000	N-S	2000	1.5	2:5	III _V	16.15.13.		16.15.58.	16.16.08.	16.16.44.	16.18.44.	3.9	1.5	6.9	365	
"	"	"	17000	E-W	2000	"	2:6	"	16.15.12.		16.15.57.	16.16.02.	16.16.46.	16.20.01.	6.7	1.5	11.9	365	
33	11	"	7000	N-S	2000	1.5	2:5	I _d	16.58.15.		16.58.17.	16.58.18.	16.58.21.	16.58.37.	1.5	1	6		
"	"	"	17000	E-W	2000	"	2:6	"	16.58.15.		16.58.17.	16.58.18.		16.58.36.	2.4	1	9.6		
34	12	"	17000	N-S	2000	1.5	2:5	II _d	2.19.11.		2.19.16.5	2.19.18.	2.19.23.	2.19.34.	2	1	8	41	
"	"	"	17000	E-W	2000	"	2:6	"	2.19.11.		2.19.16.5	2.19.18.	2.19.23.	2.19.37.	2.7	1	10.8	41	

Número	Fecha	INSTRUMENTO		CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.		e.	P.	S.	L.	M.		C.	μ.	T.		
35	13	Wiech.	17000	N-S	2000	1.5	2:5	I _d	3.12.46.		3.12.49.	3.12.50.	3.12.54.	3.13.12.			30	
"	"	"	17000	E-W	2000	"	2:6	"	3.12.44.		3.12.49.	3.12.49.	3.12.53.	3.13.02.			34	
36	13	"	17000	N-S	2000	1.5	2:5	II _d	3.18.12.		3.18.16.	3.18.17.	3.18.20.	3.18.30			30	
"	"	"	17000	E-W	2000	"	2:6	"	3.18.11.		3.18.16.	3.18.17.	3.18.21.	3.18.32.			37	
37	13	"	17000	N-S	2000	1.5	2:5	II _v	5.47.40.		5.47.59.	5.48.12.	5.48.54.	5.51.20.	2.4	1	9.5	176
"	"	"	17000	E-W	2000	"	2:6	"	5.47.40.		5.47.59.	5.48.06.	5.48.59.	5.51.12.	3	1	12	176
38	13	"	17000	N-S	2000	1.5	2:5	I _v	14.05.39.		14.06.20.	14.06.27.	14.07.00.	?	0.67	1	2.67	343
"	"	"	17000	E-W	2000	"	2:6	"	14.05.36.		14.06.19.	14.06.31.	14.07.02.	14.08.50.	0.68	1	2.72	351
39	13	"	17000	N-S	2000	1.5	2:5	I _d	19.55.38.		19.55.50.	19.55.57.	19.56.23.	19.57.48.	0.85	1	5.4	90
"	"	"	17000	E-W	2000	"	2:6	"	19.55.38.		19.55.50.	19.55.52.	19.56.18.	19.57.38.	0.68	1	2.72	90
40	18	"	17000	N-S	2000	1.5	2:5	I _v	11.46.13.	11.48.19.	11.48.32.	11.48.45.	11.55.19.	?	2.96	2	2.96	1180
"	"	"	17000	E-W	2000	"	2:6	"	11.46.12.	11.48.15.	11.48.42.	11.48.52.	11.54.43.	?	3.56	2	3.56	1160
41	20	"	17000	N-S	2000	1.5	2:5	III _v	5.50.31.		5.51.37.	5.51.58.	5.56.53.	6.24.53.	21.2	1	88	518
"	"	"	17000	E-W	2000	"	2:6	"	5.50.32.		5.51.38.	5.51.55.	5.56.45.	6.24.50.	23.7	1	94.8	518
"	"	"	1200	N-S	250	6	2:8	"	5.50.28.		5.51.31.	5.51.55.	6.01.07.	?	228	3	101	518
"	"	"	1200	E-W	250	"	2:3	"	5.50.31.		5.51.37.	5.52.02.	6.01.38.	6.21.28.	200	3	89	518
42	24	"	17000	N-S	2000	1.5	2:5	I _v	2.59.13.		3.00.05.	3.00.14.	3.01.45.	3.09.35.	1725	2	17.25	416
"	"	"	17000	E-W	2000	"	2:6	"	2.59.12.		3.00.05.	3.00.16.	3.01.39.	3.08.00.	1312	2	19.18	423
43	26	"	17000	N-S	2000	1.5	2:5		4.56.10.		4.57.49.	4.58.31.	5.00.46.	5.17.46.	72	5	12	758
"	"	"	17000	E-W	2000	"	2:6		4.56.09.		4.57.49.	4.57.59.	5.00.44.	5.16.36.	62	5	10	
44	27	"	17000	N-S	2000	1.5	2:5	I _r	12.13.54.	12.16.31.	12.16.49.	12.17.57.	12.21.29.	?	3.8	6	0.5	1500
"	"	"	17000	E-W	2000	"	2:6	"	12.13.54.	12.16.31.	12.16.49.	12.17.55.	12.21.48.	"	4.5	6	0.5	1500
45	30	"	17000	N-S	2000	1.5	2:5	I _v	11.22.08.		11.22.43.	M. definida.	11.23.22.					293
"	"	"	17000	E-W	2000	"	2:6	"	11.22.08.		11.22.43.	11.22.52.	11.23.30.	11.25.28.	1.4	1	6	293
JAN																		

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Δg.		
46	10	Wiech.	17000	N-S	2000	1.5	2:5	I _v	11.28.28.		11.27.17.	11.27.25.	11.28.01.	11.29.25.	1	1	4	394	P incierto gradual.
"	"	"	17000	E-W	2000	"	2:6	"	11.28.28.		11.27.17.	11.27.23.	11.28.14.	11.30.04.	1.6	1.5	8.3	394	" " "
47	10	"	17000	N-S	2000	1.5	2:5	III _v	20.20.11.		20.20.53.	20.21.10.	20.22.50.	20.28.12.	13.4	1.5	24	343	
"	"	"	17000	E-W	2000	"	2:6	"	20.20.11.		20.20.53.	20.21.18.	20.23.58.	20.35.10.	9.9	1.5	18	343	
48	19	"	17000	N-S	2000	1.5	2:5	II _v	22.38.50.		22.39.31.		22.40.21.	22.41.61.				336	Máxima mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	22.38.50.		22.39.30.	22.39.44.	22.40.44.	22.46.48.	10	1.5	18	329	
49	2	"	17000	N-S	2000	1.5	2:5	I _r	3.04.47.	3.07.05.	3.07.32.	3.10.12.	3.14.40.	?	5	5	0.8	1300	
"	"	"	17000	E-W	2000	"	2:6	"	3.04.52?	3.07.13.	3.07.29.	3.08.06.	3.12.11.	?	6	5	1.0	1300	
50	2	"	17000	N-S	2000	1.5	2:5	I _v	6.03.11.		6.03.57.	6.04.04.	6.04.58.	?	1.4	1.5	2.5	387	
"	"	"	17000	E-W	2000	"	2:6	"	6.03.12.		6.03.58.	6.04.21.	6.05.43.	?	2.6	1.5	4.6	387	
51	5	"	17000	N-S	2000	1.5	2:5	II _r	8.13.49.	8.16.13.	8.16.28.	8.16.51.	8.18.51.	8.23.11.	4.6	2	4.6	1350	P gradual incierto.
"	"	"	17000	E-W	2000	"	2:6	"	8.13.49.	8.16.09.	8.16.31.	8.16.46.	8.19.36.	?	4.4	2	4.4	1320	
52	7	"	17000	N-S	2000	1.5	2:5	I _v	4.43.57.		4.44.51.	?	4.45.37.	4.47.27.				431	P incierto: microseismo en Tula Ta.
"	"	"	17000	E-W	2000	"	2:6	"	4.43.57.		4.44.50.	4.45.06.	4.45.43.	4.47.23.	1.31	1.5	2.3	423	maulipas.
53	9	"	17000	N-S	2000	1.5	2:5	II _v	6.19.04.		6.19.42.	6.19.52.	6.21.24.	6.25.18.	14	1	56	314	
"	"	"	17000	E-W	2000	"	2:6	"	6.19.04.		6.19.44.	6.19.57.	6.21.23.	6.25.03.	11	1.0	44	329	
54	12	"	17000	N-S	2000	1.5	2:5	I _d	8.02.35.		8.02.37.	8.02.37.	8.02.54.	8.03.20.	1.4	05	23	16	
"	"	"	17000	E-W	2000	"	2:6	"	8.02.35.6		8.02.38.	8.02.38.	8.02.49.	8.03.07.	1	0.5	16	18	
55	14	"	17000	N-S	2000	1.5	2:5	I _r	15.51.07.	15.54.08.	15.54.30.	15.54.49.	16.05.24.	?	9.5	5	17	1760	
"	"	"	17000	E-W	2000	"	2:6	"	15.51.06.	15.54.07.	15.54.38.	15.56.22.	16.04.02.					1740	
56	14	"	17000	N-S	2000	1.5	2:5	I _r	23.16.53.	23.19.52.	23.20.25.	23.21.17.	23.27.41.	?	15	6	1.7		
"	"	"	17000	E-W	2000	"	2:6	"	23.16.53.	23.19.51.	23.20.35.	23.21.35.	23.22.43.	23.29.26.	23	6	2.5.		
57	18	"	17000	N-S	2000	1.5	2:5	II _v	0.02.31.		0.03.08.	0.03.19.	0.04.19.	0.08.10.	4	1.5	7.2	307	P. incierto.
"	"	"	17000	E-W	2000	"	2:6	"	0.02.31.		0.03.09.	0.03.19.	0.04.26.	0.08.26.	3.5	1.5	6.2	314	" " "
58	19	"	17000	N-S	2000	1.5	2:5	I _v	21.48.11.		21.48.57.		21.49.28.	?				372	Máxima mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	21.48.11.		21.48.57.	21.49.01.	21.50.11.	?	1.4	1	5.6	372	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mass	Comp.	V.	T _p	κ		P.	S.	L.	M.	C.		μ.	T.	Ag.		
59	20	Wiech.	17000	N-S	2000	1.5	2:5	I _r	11.50.07.	11.52.45.	11.53.03.		11.57.24.	?				1510	Máxima mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	11.50.07.	11.52.46.	11.53.03.	11.53.20.	11.56.48.	12.06.48.	3	2	3	1520	
60	24	"	17000	N-S	2000	1.5	2:5	I _v	19.21.48.		19.22.31.	19.22.37.	19.23.07.	19.24.18.	1.2	1	4.8	350	P. gradual.
"	"	"	17000	E-W	2000	"	2:6	"	19.21.48.		19.22.30.	19.22.35.	19.23.21.	?	1.4	1	5.6	343	
61	31	"	17000	N-S	2000	1.5	2:5	III _v	6.54.03.		6.54.46.	6.54.57.	6.57.38.	7.00.28.	23	1	92	351	
"	"	"	17000	E-W	2000	"	2:6	"	6.54.02.		6.54.46.	6.55.00.	6.56.10.	7.00.26.	11.5	1	46	358	

JAM

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T ₁	e.		P	S	L	M	C		μ	T	$\Delta\phi$		
62	3	Wiech.	17000	N-S	2000	1.5	2:5	II _v	23.44.47.	23.46.56.	23.46.02	23.46.13.	23.47.55.	?	7.4	1.5	6	650	P. gradual en ambas componentes.
"	"	"	17000	E-W	2000	"	2:6	"	23.44.46.	23.46.57.	23.46.12	23.46.36.	23.47.36.		4.4	2	4.4	640	M ₂ 23.46.24. T = 1.5 A = 13.
63	4	"	17000	N-S	2000	1.5	2:5	II _v	7.19.37.		7.20.13.	7.20.21.	7.22.33.	7.23.50.	2	1	8	300	P. gradual. M ₂ 7.20.31. T=1.5 A=10.5
"	"	"	17000	E-W	2000	"	2:6	"	7.20.37.		7.20.11.	7.20.15.	7.21.39.	7.23.40.	2.4	1	9	300	
64	6	"	17000	N-S	2000	1.5	2:5	III _d	18.23.30.		18.23.41.	18.23.43.	18.23.49.	18.24.20.	5	0.5	80	83	
"	"	"	17000	E-W	2000	"	2:6	"	18.23.30.		18.23.41.	18.23.43.	18.23.55.	18.24.30.	8	0.5	129	83	
65	12	"	17000	N-S	2000	1.5	2:5	III _r	4.49.54.	4.51.50.	4.52.33.							1080	Se oyó el estilete.- Impulso al N. muy poco energético.
"	"	"	17000	E-W	2000	"	2:6	"	4.49.52.	4.51.50.	4.52.09.	4.53.19.	5.12.38.	5.54.26.	1389	9	69	1100	
"	"	"	1200	N-S	250	6	2:8	"	4.49.49.	4.51.46.	4.52.31.	4.54.19.	5.03.34.	5.56.04.	405	9	20	1090	
"	"	"	1200	E-W	250	"	2:3	"	4.49.49.	4.51.46.	4.52.28.	4.53.43.	5.10.52.	6.00.45.	417	6	21	1090	
"	"	"	1300	Z	160	4	3:5	"	4.49.52.	4.51.49.	4.52.26.	4.53.44.	5.05.11.	5.36.00.	884	6	98	1090	
"	"	"	80	Z	80	4	3:5	"	4.49.53.	4.51.50.	4.52.20.	4.53.46.	5.00.46.	?	827	6	92	1100	
66	12	"	17000	N-S	2000	1.5	2:5	III _r											Fases muy inciertas.
"	"	"	17000	E-W	2000	"	2:6	"	9.44.26.	9.46.14.	9.46.41.	9.47.52.	10.12.56.	?	304	7	25	1000	
"	"	"	1200	N-S	250	6	2:8	"	9.44.26.	9.46.14.	9.46.33.	9.47.59.	9.55.53.	10.49.30.	107	7	9	1000	
"	"	"	1200	E-W	250	"	2:3	"	9.44.26.	9.46.14.	9.47.00.	9.47.56.	9.56.58.	10.26.52	72	6	8	1000	
"	"	"	1300	Z	160	4	3:5	"	9.44.26.	9.46.14.	9.46.47.	9.47.47.	9.52.23.	10.15.00	125	6	22	1000	
"	"	"	80	Z	80	4	3:5	"	9.44.26.		9.46.56.	9.47.56.	9.50.47.	?					
67	21	"	17000	N-S	2000	1.5	2:5	I _d	12.01.44.		12.01.51.	12.01.52.5	12.01.56.	12.02.13.				56	
"	"	"	17000	E-W	2000	"	2:6	"	12.01.44.		12.01.51.	12.01.52.	12.01.56.	12.02.12.				52	
68	27	"	17000	N-S	2000	1.5	2:5	II _v	17.24.39.		17.25.34.	17.25.42.	17.26.35.	17.29.25.	4	1	16		P. incierto interferido por el paso del tren de Cuernavaca.
"	"	"	17000	E-W	2000	"	2:6	"	17.24.39.		17.25.33.	17.25.52.	17.26.54.	17.29.50.	5	1	20		
69	28	"	17000	N-S	2000	1.5	2:5	I _v	?		20.23.07		20.23.32.	20.25.20.					Microseismo P dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	20.22.28.		20.23.09.		20.23.39.	20.24.34.				336	
70	28	"	17000	N-S	2000	1.5	2:5	I _v	21.08.31.		21.09.13.	21.09.20	21.10.53	?	0.7	1.5	1.2	336	Microseismo P dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	21.08.33.		21.09.14.	21.09.22.	21.09.56	21.11.39.	26	1.5	4.6	336	
71	28	"	17000	N-S	2000	1.5	2:5	I _v	21.15.09.		21.15.53.		21.16.29.	21.17.49.				351	Microseismo P dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	21.15.12.		21.15.53.	21.16.00	21.16.27.	21.17.47.	0.6	2	1	336	
72	28	"	17000	N-S	2000	1.5	2:5	I _v	21.35.56.		21.36.40.		21.37.12.	?				358	Microseismo P dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	21.35.55.		21.36.39.	21.36.46.	21.37.15.	21.38.36	1	1	4	358	

Número	Fecha	INSTRUMENTO			CONSTANTES			Unidades	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Observación	OBSERVACIONES
		Antes	Masa	Comp.	V.	T.	"		P.	S.	L.	M.	C.		"	T.	Seg.		
73	29	Wiech.	17000	N-S	2000	1.5	2:5	I	14.06.25.		14.07.06.		14.07.46.				336	P inoferto Microsismo.	
"	"	"	17000	E-W	2000	"	2:6	"	14.06.28.		14.07.09.	14.07.13.	14.07.43.		14.15.30.	1	1.5	2	336
JAN.																			

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T _e	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
74	19	Wiech.	17000	N-S	2000	1.5	2:5	III _v	12.48.40.		12.49.32.	12.49.45.	12.51.23.	?	17,5	1	70	416	M ₂ 12.50.03.
"	"	"	17000	E-W	2000	"	2:6	"	12.48.41.		12.49.34.	12.49.45.	12.51.36.	12.54.32.	9,5	1	38	423	
75	4	"	17000	N-S	2000	1.5	2:5	I _v		13.50.17.	13.51.07.	13.52.04.	13.59.14.	?	7,7	5	1,2		P nada perceptible, muy dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	13.47.45.	13.50.20.	13.51.20.	13.52.27.	13.53.35.	?	10	5	1,6	1480	
76	8	"	17000	N-S	2000	1.5	2:5	II _v	18.51.36.		18.52.08.	18.52.20.	18.52.56.	18.54.00	4,4	1	18	271	P gradual.
"	"	"	17000	E-W	2000	"	2:6	"	18.51.35.		18.52.09.	18.52.18.	18.53.18.	?	3,2	1	13	271	" "
77	9	"	17000	N-S	2000	1.5	2:5	I _v	14.36.25.		14.36.57.	?	14.37.42.	14.40.10.	1,2	1	5	271	Probablemente del mismo foco que el
"	"	"	17000	E-W	2000	"	2:6	"	14.36.24.		14.36.57.	14.37.13?	14.37.45.	14.40.56	1,4	1	5,6	280	temblor anterior.
78	10	"	17000	N-S	2000	1.5	2:5	I _v	9.46.21.	9.52.56.									
"	"	"	17000	E-W	2000	"	2:6	"	9.46.23.	9.53.53.									
79	12	"	17000	N-S	2000	1.5	2:5	I _v	5.49.59.		5.50.49.	5.51.06.	5.51.46.	?	18	1	52	402	P dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	5.49.59.		5.50.59.	5.51.02.	5.51.33.	5.54.18.	4,4	1	17,6	402	" "
80	15	"	17000	N-S	2000	1.5	2:5	II _d	15.09.44.		15.09.50,5	15.09.52.	15.09.56.	15.10.10.				49	
"	"	"	17000	E-W	2000	"	2:5	"	15.09.45.		15.09.52.	15.09.54.	15.09.59.	15.10.12.				52	
81	21	"	17000	N-S	2000	1.5	2:5	III _d	17.41.57.		17.41.59.	17.41.59.	17.42.44.	17.44.24.	17	0,5	270	15	
"	"	"	17000	E-W	2000	"	2:6	"	17.41.57.		17.41.59.	17.41.59.	17.42.52.	17.44.30.				15	
82	21	"	17000	N-S	2000	1.5	2:5	III _d	21.55.56.		21.55.58.	21.55.58.	21.56.28.	?	10	05	162	15	
"	"	"	17000	E-W	2000	"	2:6	"	21.55.56.		21.55.58.	21.55.58.	21.56.38.	?				15	
83	21	"	17000	N-S	2000	1.5	2:5	III _d	22.52.18.		22.52.20.	22.52.20.	22.53.05.	22.54.05.	20.	0,5	320	15	
"	"	"	17000	E-W	2000	"	2:6	"	22.52.20.		22.52.22.	22.52.22.	22.53.15.	22.53.05.				15	
84	25	"	17000	N-S	2000	1.5	2:5	II _v	10.39.24.		10.41.38	10.44.28.	10.48.08.	1,8	1	7,2	794	P gradual.	
"	"	"	17000	E-W	2000	"	2:6	"	10.39.28.		10.41.47.	10.43.24.	?	2,9	1,5	5,2	794	" "	
85	27	"	17000	N-S	2000	1.5	2:5	II _v	23.27.16.		23.27.55.	23.28.43.	23.30.48.	6,7	1	26,6	285		
"	"	"	17000	E-W	2000	"	2:6	"	23.27.16		23.27.58.	23.28.43.	23.30.13.	5,7	1	22,8	292		
JAN.																			

JAN.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mesa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ	T.	$\Delta\sigma$		
86	10	Wiech.	17000	N-S	2000	1.5	2:5	I _v	22.08.34.		22.09.29.	22.09.40.	22.10.12.	22.12.38.	3.4	1	13.6	292	
"	"	"	17000	E-W	2000	"	2:6	"	22.08.42.		22.09.27.	22.09.45.	22.10.15.	22.12.35.	2.5	1	10	307	
87	2	"	17000	N-S	2000	1.5	2:5	III _v	15.18.09.		15.19.06.	15.19.29.	15.21.43.	15.28.00.	12	1	48	452	M ₁ 15.19.48.
"	"	"	17000	E-W	2000	"	2:6	"	15.18.09.		15.19.05.	15.19.26.	15.21.35.	15.27.10.	12.5	1	50	445	M ₂ 15.19.45.
88	4	"	17000	N-S	2000	1.5	2:5	I _v	5.29.54.		5.30.27.	"	5.30.57.	5.32.10.	7.7	1	30.8	280	Microsismo P incierto, gradual.
"	"	"	17000	E-W	2000	"	2:6	"	5.29.54?		5.30.26.	5.30.34.	5.31.03.	5.32.23.	8.4	1	33.6	285	
89	7	"	17000	N-S	2000	1.5	2:5	I _v	13.10.57.		13.11.32.	13.11.35.	13.11.58.	13.13.50.	3.4	1	13.6	292	P dudoso, incierto.
"	"	"	17000	E-W	2000	"	2:6	"	13.10.56.		13.11.32.	13.11.40.	13.12.15.	13.13.30.	4	1	16	300	" " "
90	8	"	17000	N-S	2000	1.5	2:5	I _v	6.10.58.		6.11.39.	6.11.44	6.12.04.	6.13.14.	0.67	1	2.7	336	Microsismo P. dudoso, incierto.
"	"	"	17000	E-W	2000	"	2:6	"	6.10.58.		6.11.39.	6.11.49.	6.12.19.	6.13.34.	0.85	1	3.4	336	
91	9	"	17000	N-S	2000	1.5	2:5	II _v	1.14.29.		1.15.10.	1.15.25.	1.15.50.	1.18.30.	10	1	40	336	Probablemente del mismo foco que el
"	"	"	17000	E-W	2000	"	2:6	"	1.14.28.		1.15.08.	1.15.19.	1.16.19.	1.18.19.	7.8	1	31.2	329	tremor anterior
92	9	"	17000	N-S	2000	1.5	2:5	I ₁	10.15.41.		10.15.42.	10.15.43.	10.15.47.	10.16.51.					
"	"	"	17000	E-W	2000	"	2:6	"	10.15.40.		10.15.41.	10.15.42.	10.15.48.	10.15.58.					
93	9	"	17000	N-S	2000	1.5	2:5	I _d	10.16.10.		10.16.11.	10.16.13.	10.16.18.	10.16.30.					
"	"	"	17000	E-W	2000	"	2:6	"	10.16.10.		10.16.11.	10.16.12.	10.16.15.	10.16.37.					
94	10	"	17000	N-S	2000	1.5	2:5	I _r	10.11.57.		10.16.21.								P muy dudoso en ambas componentes.
"	"	"	17000	E-W	2000	"	2:6	"	10.11.59.	10.15.36.	10.16.23.	10.17.06.	10.19.21.	10.16.21.	5	7	0.83		M ₂ 10.17.46 T = 6 A = 0.5
95	12	"	17000	N-S	2000	1.5	2:5	I _d	10.51.17?		10.51.19.	10.51.20.	10.51.22.	10.51.28.					
"	"	"	17000	E-W	2000	"	2:6	"	10.51.17?		10.51.19.	10.51.20	10.51.23.	10.51.28.					
96	12	"	17000	N-S	2000	1.5	2:5	I _d	10.51.28?		10.51.30.			10.51.42.					
"	"	"	17000	E-W	2000	"	2:6	"	10.51.28?		10.51.30.	10.51.31.		10.51.40.					
97	13	"	17000	N-S	2000	1.5	2:5	II _v	1.26.05		1.26.50.	1.26.59.	1.27.39.	1.29.00.	1.6	1	6.4	365	P incierto.
"	"	"	17000	E-W	2000	"	2:6	"	1.26.04.		1.26.49.	1.27.01	1.27.41.	1.29.00	2.4	7	9.5	365	
98	16	"	17000	N-S	2000	1.5	2:5	III _v	7.34.40.		7.35.18.	7.35.28.	7.36.43.	7.39.30	12	1.5	21.3	314	M ₂ 7.35.38. T = 1.5 A = 30
"	"	"	17000	E-W	2000	"	2:6	"	7.34.40.		7.35.17.	7.35.29.	7.36.26.	7.39.20	11.9	1.5	19	307	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autov	Masa	Comp.	V.	T ₁	e		P.	S.	L.	M.	C.		μ	T ₂	Δg		
98	16	Wiech	1200	N-S	250	6	2:8	I _V	7.34.43.		7.35.19.	7.35.26.	7.36.17.	7.39.20.	10	3	4	300	
"	"	"	1200	E-W	250	"	2:6	"	7.34.43.		7.35.19.	7.36.28.	7.36.01.	7.39.00.	11	3	5	300	
99	23	"	17000	N-S	2000	1.5	2:5	I _d	11.57.07.		11.57.10.	11.57.11.	11.57.14.	11.57.24.					
"	"	"	17000	E-W	2000	"	2:6	"			11.57.10.	11.57.11.	11.57.13.	11.57.26.					
100	23	"	17000	N-S	2000	1.5	2:5	I _V	14.48.25.		14.49.00.		14.49.30.	14.50.30					Máxima mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	14.48.24.		14.48.59.	14.49.06.	14.49.35.	14.50.30	0.85	1	3.4		
101	26	"	17000	N-S	2000	1.5	2:5	III _V	7.43.35.		7.44.21.	7.44.30.	7.46.22.	7.50.22.	22	1	68		e = 7.43.18.
"	"	"	17000	E-W	2000	"	2:6	"	7.43.23.		7.44.18.	7.44.28.	7.46.02.	7.50.32.	22.6	1	90.4		e = 7.43.15.
102	26	"	17000	N-S	2000	1.5	2:5	I _V	17.35.42.		17.36.39.	17.36.52.	17.37.22.	17.38.50.	1.3	1	5.2		
"	"	"	17000	E-W	2000	"	2:6	"	17.35.43.		17.36.39.	17.36.46.	17.37.39.	17.38.59	2.8	1	84		
103	27	"	17000	N-S	2000	1.5	2:5	II _V	7.06.08.		7.06.59.	7.06.10.	7.06.45.	7.09.16.	3.2	1	12.8	409	
"	"	"	17000	E-W	2000	"	2:6	"	7.06.10.		7.06.05.	7.06.12.	7.06.47.	7.08.46.	4.7	1	18.8	438	
104	28	"	17000	N-S	2000	1.5	2:5	I _V	6.28.23.		6.29.23.	6.29.27.	6.30.05.	6.33.10.	2.8	1	11.2	474	M ₂ 6.29.43.
"	"	"	17000	E-W	2000	"	2:6	"	6.28.21.		6.29.20.	6.29.26.	6.30.05.	6.33.15.	5.7	1	22.8	467	M ₂ 6.29.39.

JAN.

Número	Fecha	INSTRUMENTO			CONSTANTES			Tipo	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		u	T	sg		
105	10	Wiech.	17000	N-S	2000	1.5	2:5	I _v	22.52.13.		22.53.06.		22.54.06.	22.56.02.				423	Máxima mal definida.
"	"	"	17000	E-W	2000	"	2:6	II _v	22.52.13.		22.53.06.	22.53.31.	22.54.37.	22.56.02.	5	1	20	438	M ₂ 22.53.37. T = 1 A = 13.
106	4	"	17000	N-S	2000	1.5	2:5	I _r	17.11.12.	17.16.42.	SR ₃ 17.20.02?								
"	"	"	17000	E-W	2000	"	2:6	"	17.11.13.	17.16.43.	SR ₃ 17.20.01?								
"	"	"	1200	N-S	250	6	2:8	"	17.11.12?	17.16.42.	SR ₃ 17.19.57?								
"	"	"	1200	E-W															
107	9	"	17000	N-S	2000	1.5	2:5	I _r		0.22.57.	?	0.23.49.	0.31.25.	?	15	5	2.4		No se distingue el principio.
"	"	"	17000	E-W	2000	"	2:6	"	0.19.46.	0.22.54.	?	0.23.47.	0.36.21.	?	21	5	3.6	1830	P. muy incierto M ₂ 0.24.31.
108	11	"	17000	N-S	2000	1.5	2:5	I _v	13.55.19.		13.56.01.	13.56.20.	13.57.15.		5	1	20	343	Principio gradual.
"	"	"	17000	E-W	2000	"	2:6	"	13.55.19.		13.56.59.	13.56.02.	13.57.52.	13.59.12.	8	1	32	329	
109	16	"	17000	N-S	2000	1.5	2:5	I _v	19.11.11.		19.11.44.	19.11.48.	19.12.09.	19.13.00	1	1	4	280	
"	"	"	17000	E-W	2000	"	2:6	"	19.11.11.		19.11.43.	19.11.49?			1	1	4	271	
110	16	"	17000	N-S	2000	1.5	2:5	I _v	23.13.40.		23.14.39.	23.14.46.	23.15.51.	23.17.37.	2	2	2	467	
"	16	"	17000	E-W	2000	"	2:6	"	?		23.14.40.	23.14.48.	23.16.13.	23.17.00.	1	1	4	467	
111	19	"	17000	N-S	2000	1.5	2:5	I _v	6.23.47.		6.24.56.	6.25.09.	6.25.48.	6.29.00.	1	1	4	540	P. gradual.
"	"	"	17000	E-W	2000	"	2:6	"	?		6.24.57.		6.25.27.	6.29.15.	1	1	4	540?	Máxima incierta.
112	"	"	17000	N-S	2000	1.5	2:5	I _v	10.25.06.		10.26.41.	10.26.49.	10.26.37.	10.28.04.	2	1	8	292	P. incierto.
"	"	"	17000	E-W	2000	"	2:6	"	10.25.05.		10.26.41.	10.26.51.	10.26.31.	10.28.00	2	1	8	300	" "
113	20	"	17000	N-S	2000	1.5	2:5	II _v	16.14.11.		16.14.43.	16.14.51.	16.15.23.	16.16.30.	1.3	1	5.2	271	
"	"	"	17000	E-W	2000	"	2:6	"	16.14.30.		16.14.43.	16.14.52.	16.15.17.	16.16.42.	1.0	1	4.0	280	
114	24	"	17000	N-S	2000	1.5	2:6	III _v	8.07.04.		8.07.06.	8.07.50.	8.08.52.	8.10.52.	5	1	20	343	M ₂ 8.07.52.
"	"	"	17000	E-W	2000	"	2:6	"	0.07.05.		8.07.06.	8.07.57.	8.08.42.	8.10.47.	6	1	24	336	
115	24	"	17000	N-S	2000	1.5	2:5	III ₃	18.34.27.		18.34.30.	18.34.31.	18.34.37.	18.34.58.				22	
"	"	"	17000	E-W	2000	"	2:5	"	18.34.23?		18.34.27.	18.34.29.	18.34.35.	18.34.52.				30	
116	24	"	17000	N-S	2000	1.5	2:5	II _d	22.58.31.		22.58.35.	22.58.36.	22.58.37.	22.58.50.				30	
"	"	"	17000	E-W	2000	"	"	"	22.58.32.		22.58.35.	22.58.36.	22.58.38	22.58.53.				22	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T ₀	e.		P.	S.	L.	M.	C.		μ.	T.	Δ _g		
117	25	Wiech.	17000	N-S	2000	1.5	2:5	I _v	?		23.05.36.	23.05.49	23.06.13.	23.07.28.	1	1.5	2	3367	
"	"	"	17000	E-W	2000	"	2:6	"	23.04.54.		23.05.35.	23.05.46.	23.06.16.	23.07.47.	1	1	4	336	
116	26	"	17000	N-S	2000	1.5	2:5	II _v	19.23.58.		19.24.39.	19.24.53.	19.25.53.	19.27.24.	6	2	6	336	
"	"	"	17000	E-W	2000	"	2:6	"	19.23.58.		19.24.41.	19.24.45.	19.25.39.	19.27.26.	8	2	8	343	
119	29	"	17000	N-S	2000	1.5	2:5	III _d	20.53.01.		20.53.03	20.53.04.	20.53.15.	20.53.38.				15	P. muy dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	20.53.01.		20.53.03	20.53.04.	20.53.17.	20.53.30.					
120	29	"	17000	N-S	2000	1.5	2:5	I _v	21.28.46.		21.29.16.	21.29.18.	21.30.16.	?	3	1	12	256	P. gradual.
"	"	"	17000	E-W	2000	"	2:6	"	21.28.45.		21.29.15.	21.29.23.	21.29.56.	21.30.167	2	1	8		" " 4p 21.29.30. T=1 A=5.5
121	"	"	17000	N-S	2000	1.5	2:5	III _v	21.30.16.										
"	"	"	17000	E-W	2000	"	2:6	"	21.30.16.										
"	"	"	1200	N-S	250	6	2:8	"	21.30.16.		21.30.43.							256	
"	"	"	1200	E-W	250	"	2:3	"	21.30.16.		21.30.43.							256	
"	"	"	125	N-S	40	5	3:5	"	21.30.16.		21.30.46.							256	
"	"	"	125	E-W	40	5	3:5	"	21.30.187		21.30.43.	21.30.54.	21.34.54.	21.44.54.				256	
"	"	"	1300	Z	160	4	3:5	"	21.30.16.		21.30.16.	21.30.55.	21.35.07.	21.46.38?	407	3	181	256	
"	"	"	80	Z	80	4	4	"	21.30.18.		21.30.48.	21.30.56.	21.33.32.	?	234.	3	104	256	M ₂ 21.31.24. T = 3 A = 30°
"	"	B.Omo.	10	N-S	15			"	21.30.19.		21.30.49.	21.31.10.	21.32.55.	21.57.56.	1446	6	162	256	
"	"	"	15	E-W	15			"	21.30.19.		21.30.49.	21.31.16.	21.32.16.	21.57.50.	1253	6	143	256	
122	29	Wiech.	17000	N-S	2000	1.5	2:5	II _v	22.07.40.		22.08.10.	22.08.15.	22.09.18.	22.11.54.	15	3	7	256	
"	"	"	17000	E-W	2000	"	2:6	"	22.07.40.		22.08.10.	22.08.14.	22.09.02.	22.11.20.	14	3	6	256	
"	"	"	1300	Z	160	4	3:5	"	22.07.37.		22.08.07.	22.08.16.	22.09.02.	22.11.48.	18	3	8	256	
123	30	"	17000	N-S	2000	1.5	2:5	II _v	3.08.19.		3.08.40.	3.08.54.	3.09.30.	3.10.40	2,7	2	2,7	256?	P. muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	3.08.18.		3.08.48.	3.08.56.	3.09.35.	3.10.35.	3,2	2	3,2	256	" " "
124	30	"	17000	N-S	2000	1.5	2:5	I _v	3.38.48.		3.39.20.		3.39.36	?					P. muy incierto. Fases mal definidas.
"	"	"	17000	E-W	2000	"	2:5	"	3.39.00		3.39.31.		3.39.58.	3.40.00					Máxima incierta. " P. muy incierto. Fases mal definidas. Máxima incierta.
125	30	"	17000	N-S	2000	1.5	2:5	I _v	4.34.57?		4.34.29?			4.34.44				264	Microseismo P. muy incierto. Fases mal definidas
"	"	"	17000	E-W	2000	"	2:6	"	4.33.57?		4.34.28	4.34.30.	4.34.51.	4.35.37.	0.8	1	3.2	264	
126	30	"	17000	N-S	2000	1.5	2:5	II _v	5.20.43.		5.21.14.	5.21.20	5.21.51.	5.22.51.				264	P. gradual.
"	"	"	17000	E-W	2000	"	2:6	"	5.20.43.		5.21.14.	5.21.22.	5.21.58.	5.22.38.	1.5	2	1.5	264	" "
127	30	"	17000	N-S	2000	1.5	2:5	II _r			6.23.51.	6.25.27.	6.34.08.	?					
"	"	"	17000	E-W	2000	"	2:6	"			6.23.50.	6.24.43.	6.34.19.						

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
128	1 ^o	Wiech.	17000	N-S	2000	1.5	2:5	III _V	13.01.35		13.02.07	13.02.11	13.03.30	13.04.58	5.38	1	21.5	271	M ₂ 13.02.16 T=1 A=39 u=13.12 Ag=53.72
"	"	"	17000	E-W	2000	"	2:6	II _V	13.01.36		13.02.08	13.02.11	13.03.16	13.04.58	8.23	1	32.92	271	
129	19	"	17000	N-S	2000	1.5	2:5	II _V	15.29.36		15.30.18?	15.30.31	15.31.31	15.33.30	3.53	1	14.12	343?	
"	"	"	17000	E-W	2000	"	2:6	"	15.29.36		15.30.16	15.30.27	15.31.38	15.33.02	3.64	1.5	6.5	329	
130	3	"	17000	N-S	2000	1.5	2:5	II _V	2.37.30		2.38.03	2.38.08	2.39.05	2.40.40	3.86	1	11.58	280	
"	"	"	17000	E-W	2000	"	2:6	"	2.37.29		2.38.02	2.38.05	2.38.51	2.40.48	7.8	1	31.2	280	
131	3	"	17000	N-S	2000	1.5	2:5	II _V	18.11.57		18.12.29	18.12.41	18.13.19	18.15.04	1.51	1	6.04	264	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	18.11.58		18.12.29	18.12.35	18.13.17	18.14.37				264	
132	4	"	17000	N-S	2000	1.5	2:5	I _r	5.43.42	5.45.31?		5.46.26		5.49.12	1.44	2.4	1.44	1010	
"	"	"	17000	E-W	2000	"	2:6	"	5.43.42	5.45.30?		5.46.15		5.49.12	1.95	2	1.95	1000	
133	9	"	17000	N-S	2000	1.5	2:5	I _V	19.39.46		19.40.20	19.40.24	19.41.08	19.41.52				285	Microseismo. M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	19.39.45		19.40.20		19.41.07	19.41.47				292	" M. Incierta.
134	9	"	17000	N-S	2000	1.5	2:5	I _d	19.55.02		19.55.04	19.55.06	19.55.09	19.55.16				15	Microseismo. M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	19.55.02		19.55.04	19.55.07	19.55.11	19.55.19				15	" " "
135	10	"	17000	N-S	2000	1.5	2:5	I _V	5.02.01?		5.02.32	5.02.39	5.03.02	5.03.49				285	Microseismo. M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	5.02.02		5.02.34		5.03.00	5.03.36				271	" M. Incierta.
136	10	"	17000	N-S	2000	1.5	2:5	II _V	5.06.21		5.06.54	5.07.01	5.07.47	5.09.43	5.6	1.5	9.7	280	
"	"	"	17000	E-W	2000	"	2:6	"	5.06.21		5.06.55	5.07.04	5.07.35	5.09.35	4.37	1.5	7.7	285	
137	11	"	17000	N-S	2000	1.5	2:5	III _U	14.58.05										Fases inciertas.
"	"	"	17000	E-W	2000	"	2:6	II _U	14.58.02	15.04.44	15.09.08	15.16.26		15.45.26	24	12	0.66	5000	
"	"	"	1200	N-S	250	6	2:8	"	14.58.02	15.04.41?	15.09.03	15.13.18	15.27.54	15.44.24	117	27	0.64	4950	M ₂ 15.15.18 T=16 A=2.5 u=52 Ag=1
"	"	"	1200	E-W	250	"	"	"	14.58.02	15.04.44	15.08.47	15.14.11	15.21.11	15.43.11	46	21	0.41	5000	
138	11	"	17000	N-S	2000	1.5	2:5	III _V	18.11.20		18.11.42	18.11.51	18.12.07	18.16.15	9.41	1	37.64	198	
"	"	"	17000	E-W	2000	"	2:6	II _V	18.11.21		18.11.43	18.11.55	18.13.40	18.16.10	21	1	84	198	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Anteo	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		g.	T.	Ag.		
139	11	Wsch.	17000	N-S	2000	1.5	2:5	II _v	21.26.45		21.27.37		21.28.27	?				416	L. Incierta. sedeniveló.
"	"	"	17000	E-W	2000	"	2:6	"	21.26.45		21.27.36	21.27.57	21.30.00	?	4.50	1	16.24	409	
140	12	"	17000	N-S	2000	1.5	2:5	I _v	20.23.31		20.24.18	20.24.37	20.24.58	?	1.05	1.5	3.04	380	P.L. Inciertas, se desvueló
"	"	"	17000	E-W	2000	"	2:6	II _v	20.23.33		20.24.22	20.24.52	20.25.42	20.28.48	1	1	16	394	
141	13	"	17000	N-S	2000	1.5	2:5	I _v	19.30.23		19.31.53	19.32.22	19.34.49	19.37.44				692	L. Incierta. del definida.
"	"	"	17000	E-W	2000	"	2:6	"	19.30.23		19.31.54	19.32.47	19.33.40	19.38.00	3.29	2	3.29	700	
142	15	"	17000	N-S	2000	1.5	2:5	III _d	4.37.20		4.37.23	4.37.24	4.37.28	4.37.48	1.66	0.5	26.5	23.44	
"	"	"	17000	E-W	2000	"	2:6	"	4.37.20		4.37.23	4.37.24	4.37.30	4.37.45	4.73	0.5	76	22.44	
143	16	"	17000	N-S	2000	1.5	2:5	III _v	15.36.21		15.36.55	15.36.04	15.36.57	15.38.04	2.67	1	10.68	285	
"	"	"	17000	E-W	2000	"	2:6	II _v	15.36.21		15.36.55	15.36.05	15.36.48	15.38.05	3.84	1.5	6.8	285	
144	17	"	17000	N-S	2000	1.5	2:5	I _v	11.56.03		11.56.56	11.57.10	11.57.50	11.59.30	1.16	1	4.72	423	
"	"	"	17000	E-W	2000	"	2:6	"	11.56.01		11.56.53	11.56.58	11.57.47	11.58.47	1.69	1	6.76	416	
145	23	"	17000	N-S	2000	1.5	2:5	III _d	17.41.33		17.41.33	17.41.35	17.41.37	?	2.25	0.5	4.9		
"	"	"	17000	E-W	2000	"	2:6	"	17.41.33		17.41.35	17.41.35	17.41.37	?	2.75	0.5	44		
146	23	"	17000	N-S	2000	1.5	2:5	III _d			17.41.37	17.41.39	17.41.46	?	3.83	0.5	61		
"	"	"	17000	E-W	2000	"	2:6	"			17.41.37	17.41.40	17.41.45	?		0.5	174		
147	23	"	17000	N-S	2000	1.5	2:5	III _d			17.41.45	17.41.47.6	17.41.53.5	17.42.07	5.18	0.5	83		
"	"	"	17000	E-W	2000	"	2:6	"			17.41.45	17.41.48	17.41.53	17.42.09	5.98	0.5	97		
148	23	"	17000	N-S	2000	1.5	2:5	III _d	17.50.13.5		17.50.13.58	17.50.16	17.50.20	17.50.39	5.10	0.5	86		
"	"	"	17000	E-W	2000	"	2:6	"	17.50.13.5		17.50.14	17.50.17	17.50.39		7.35	0.5	118		
149	24	"	17000	N-S	2000	1.5	2:5	I _u	21.33.06										8900
"	"	"	17000	E-W	2000	"	2:6	"	21.33.06	21.43.11									
150	25	"	17000	N-S	2000	1.5	2:5	III _v	14.47.18		14.48.13	14.48.34	14.49.38	14.54.50	5.39	2	6.39	438	
"	"	"	17000	E-W	2000	"	2:6	"	14.47.22		14.48.18	14.48.30	14.49.30	14.54.14	6.76	1	27.04	445	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autov	Mass	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ	T.	Ag.		
151	27	Wiech.	17000	N-S	2000	1.5	2:5	II	13.15.23		13.16.16		13.17.16	13.18.46			423	M. Mal definida.	
"	"	"	17000	E-W	2000	"	2:6	"	13.15.32		13.16.16	13.16.21	13.17.25	13.19.30	1.69	1	6.76	431	
JAM.																			

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Anteo	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		p.	T.	z.		
152	7	Wiech.	17000	E-W	2000	1:5	2:6	I _u	23.09.46	23.17.26	23.25.26	23.30.33	23.42.23	?	21.9	10	9.97	6080	
"	"	"	1200	N-S	250	6	2:8	"	23.09.46	23.17.26	23.25.38	23.30.44	23.42.23	?	33	15	9.6	6080	M ₂ 23.37.23 T=12 A=1.75 u=2.8 Δg=0.6
"	"	"	1200	E-W	250	"	"	"	23.09.47	23.17.26	23.23.26	23.29.44	23.39.16	?	10.76	15	19	6080	L 23.25.23
153	11	"	17000	N-S	2000	1.5	2:5	III _u	4.42.16	4.49.55	4.56.00	4.59.19		7.35.08?				6060	M ₂ 5.11.24 <i>Alcornoque (Chile)</i>
"	"	"	17000	E-W	2000	"	2:6	"	4.42.16	4.46.64	4.53.27	?	?	?					
"	"	"	1200	N-S	250	6	2:8	"	4.42.14	4.49.56	4.55.41	4.58.53	5.10.38	7.35.18?					M ₂ 5.10.38
"	"	"	1200	E-W	250	"	"	"	4.42.17	4.49.56	4.55.50?	5.02.02	5.39.08	7.35.06?	25			6050	"
"	"	"	1200	Z	150	4	3:5	"	4.42.17	4.49.56	4.57.02	4.59.23	5.43.29	6.23.29				6050	"
"	"	"	50	Z	50	4	4	III _u	4.42.21	4.49.57	4.57.09	4.59.27						6000	"
154	11	"	17000	N-S	2000	1.5	2:5	I _u	18.18.56	18.26.32	18.34.27								6000
"	"	"	17000	E-W	2000	"	2:6	"	18.18.57	18.26.33	18.34.25								6000
"	"	"	1200	N-S	250	6	2:8	"	18.18.59	18.26.31	18.33.31	18.39.10			22	15	4		
"	"	"	1200	E-W	250	"	"	"	18.18.55	18.26.31	18.33.34	18.39.16?							M Poco definida.
155	12	"	17000	N-S	2000	1.5	2:5	I _u	7.18.42										
"	"	"	17000	E-W	2000	"	2:6	"	7.18.46	7.26.24									6040
156	12	"	17000	N-S	2000	1.5	2:5	III _v	16.42.07		16.42.27	16.42.34	16.43.59	16.46.27	12.77	1	51.28	183	
"	"	"	17000	E-W	2000	"	2:6	II _v	16.42.07		16.42.27	16.42.36	16.43.61	16.46.16	16	1	64	183	
157	17	"	17000	N-S	2000	1.5	2:5	III _u	11.12.34	11.20.11	11.28.54	11.32.39	11.49.39		64.70	14	1.32	5070	M ₂ 11.36.38 T=13 A=1.25 u=46.42 Δg=1.0
"	"	"	17000	E-W	2000	"	2:6	II _u	11.12.33	11.20.12	11.28.41?	11.32.38			61.98	15	1.10	5050	
158	17	"	17000	N-S	2000	1.5	2:5	I _v	17.13.10		17.14.00	17.14.09	17.16.00	17.16.40	1.40	1.5	2.4	402	M ₂ 17.14.15 T=1.6 A=6.75 u=1.51 Δg=2.5
"	"	"	17000	E-W	2000	"	2:8	"	17.13.10		17.14.01	17.14.12	17.16.18	17.16.25	2.96	1	11.44	409	M ₂ 17.14.15 T=1 A=9.5 u=3.19 g=12.76
159	17	"	17000	N-S	2000	1.5	2:5	I _r	18.26.00		18.28.05	18.29.02	18.35.32	?	15.17	6	1.6	1100	
"	"	"	17000	E-W	2000	"	2:6	"	18.26.00		18.28.05	18.28.57	18.34.19	?	25.74	5	4	1100	
160	18	"	17000	N-S	2000	1.5	2:5	I _v	14.47.06		14.47.36	14.47.39	14.48.21	14.50.23	1.24	1	5.36	256	M ₂ 14.47.47 T=1 A=4.5 u=1.514 Δg=0.4
"	"	"	17000	E-W	2000	"	2:6	"	14.47.07		14.47.35	14.47.39	14.48.29	14.50.00	2.04	1.5	3.5	242	M ₂ 14.47.52 T=1.5 u=1.75 Δg=3.2
161	19	"	17000	N-S	2000	1.5	2:5	III _v	11.46.03		11.46.38	11.46.56	11.48.26	11.52.34	21.84	1	87.36	232	
"	"	"	17000	E-W	2000	"	2:6	"	11.46.02		11.46.37	11.46.49	11.48.30	11.52.40	22.98	1	92	232	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Author	Masa	Comp.	V.	T ₀	s.		P.	S.	L.	M.	C.		μ.	T.	Δ _g		
162	20	Wiech.	17000	N-S	2000	1.5	2:5	III _v	22.04.10		22.04.55							365	Se cayó el estilete.
"	"	"	17000	E-W	2000	"	2:6	"	22.04.11		22.04.53	22.05.06	22.07.30	22.15.20	30	1	120	343	
"	"	"	1200	N-S	250	6	2:8	"	22.04.10		22.04.55	22.05.13	22.07.16	22.20.34	51	2	51	365?	
"	"	"	1200	E-W	250	"	"	"	22.04.10		22.04.55	22.05.10	22.07.32	22.12.40	36	2?	38	365	
"	"	"	125	NE-SW	80	6.5	3:5	"	22.04.11		22.04.55	22.05.10	22.06.10	22.11.10				358	
"	"	"	125	NW-SE	80	6	"	"	22.04.10		22.04.55	22.05.05	22.07.11	22.12.15				365	
"	"	"	1300	Z	160	4	3:5	"	22.04.10		22.04.55	22.05.13	22.06.28	22.12.28	40	3	18	365	
163	21	"	17000	N-S	2000	1.5	2:5	III _v	15.47.16		15.47.41	15.47.56	15.48.46	15.53.00	5.38	1	21.32	220	
"	"	"	17000	E-W	2000	"	2:6	"	15.47.15		15.47.38	15.47.52	15.48.56	15.53.15	12.51	1	50.04	205	
164	29	"	17000	N-S	2000	1.5	2:5	I ₁	10.25.21		10.25.25	10.25.27	10.25.29	10.25.52	1.35	0.5	21.5	30	
"	"	"	17000	E-W	2000	"	2:6	"	10.25.22		10.25.25	10.25.26	10.25.29	10.25.50	2.25	0.5	36	22	
165	29	"	17000	N-S	2000	1.5	2:5	II ₁	11.54.15		11.54.17	11.54.17	11.54.30	11.54.49	0.90	0.5	14	15	
"	"	"	17000	E-W	2000	"	2:6	"	11.54.15		11.54.17	11.54.17	11.54.28	11.54.52	2.24	0.5	37	15	
166	29	"	17000	N-S	2000	1.5	2:5	II ₁	11.54.49		11.54.51	11.54.51	11.54.55	11.55.44	2.48	0.5	40	15	
"	"	"	17000	E-W	2000	"	2:6	"	11.54.49		11.54.51	11.54.51	11.54.56	11.55.44	3.30	0.5	54	15	
167	30	"	17000	N-S	2000	1.5	2:5	I _v	11.09.10		11.10.20?							547?	Fases inciertas.
"	"	"	17000	E-W	2000	"	2:6	"	11.09.10		11.10.21?							554	" "

JAM.

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		p.	T.	Ag.		
168	19	Wiech.	17000	N-S	2000	1.5	2:5	I _v	1.59.09		2.00.16	2.00.30	2.01.01	2.03.35	1.85	1	7.56	525	
"	"	"	17000	E-W	2000	"	2:6	"	1.59.08		2.00.15	2.00.21	2.01.01	2.03.36	1.69	1	6.76	525	
169	19	"	17000	N-S	2000	1.5	2:5	III _v	2.52.05		2.52.50							365	No distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	2.52.06		2.52.43	2.53.02	2.56.08	3.02.33	20.28	1	81.12	351	
"	"	"	1200	N-S	250	"	2:6	II _v	2.52.16		2.52.53	2.53.11	2.54.50	3.00.30	27.47	3	12.20	343	
"	"	"	1200	E-W	250	"	"	III _v	2.52.16		2.52.58	2.53.19	2.55.13	3.01.07	36.46	3	16.20	343	
"	"	"	1300	Z	160	4	3:5	"	2.52.13		2.52.56	2.53.09	2.54.27	3.00.00	75	3	33.3	365?	
170	4	"	17000	N-S	2000	1.5	2:5	III _v	1.19.10		1.19.56	1.19.13	1.20.23	1.20.18?	19.49	1	77.96	372	
"	"	"	17000	E-W	2000	"	2:6	"	1.19.10		1.19.55	1.19.18	1.20.23	1.20.15	21.30	1	85.20	365	
"	"	"	1200	N-S	250	"	2:6	"	1.19.13		1.19.59	1.13.22	1.21.10	1.26.50	50.53	3	22.60	372?	
"	"	"	1200	E-W	250	"	"	"	1.19.14		1.19.59	1.19.22	1.21.46	1.28.38	22.82	3	11.25	365	
"	"	"	1300	Z	160	4	3:5	"	1.19.10		1.19.56?	1.13.23	1.21.16	1.20.00?	16.30	4	11.50	372	
171	4	"	17000	N-S	2000	1.5	2:5	II _v	23.01.34		23.02.19	23.02.29	23.03.09	23.05.38	8.16	1	12.76	365	
"	"	"	17000	E-W	2000	"	2:6	"	23.01.34		23.02.20	23.02.23	23.03.23	23.05.35	4.07	1.5	16.28	372?	
172	4	"	17000	N-S	2000	1.5	2:5	II _v	23.46.58?		23.46.20?							195	No se distinguen las otras fases.
"	"	"	17000	E-W	2000	"	2:6	"	23.46.58		23.46.20	23.46.34	23.47.09	23.49.56	7.67	2	7.67	195	
173	8	"	17000	N-S	2000	1.5	2:5	I _v	5.26.38		5.27.23	5.27.31	5.27.48	5.28.32	0.50	1	2.00	365	
"	"	"	17000	E-W	2000	"	2:6	"	5.26.38		5.27.33	5.27.36	5.27.53	5.28.41	0.68	1	2.72	372	
174	8	"	17000	N-S	2000	1.5	2:5	I _v	7.10.52		7.11.22	7.11.31	7.11.52	7.13.50	0.34	1	1.36	256	
"	"	"	17000	E-W	2000	"	2:6	"	7.10.50		7.11.35	7.11.42	7.12.01	7.13.04	0.85	1	3.40	356	
175	8	"	17000	N-S	2000	1.5	2:5	I _r	8.13.33		8.17.08							1775?	No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	8.13.34		8.17.08							1775?	" " " " "
176	16	"	17000	N-S	2000	1.5	2:5	II _d	0.49.02		0.49.08	0.49.11	0.49.19	0.49.49	2.70	0.5	43.20	45	
"	"	"	17000	E-W	2000	"	2:6	"	0.49.01		0.49.08	0.48.10	0.49.15	0.49.46	2.35	1.0	9.40	52	
177	16	"	17000	N-S	2000	1.5	2:5	II _v	13.34.49		13.35.05	13.35.07	13.35.28	13.36.08				184	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	13.34.49		13.35.05		13.35.25	13.36.07				184	" " "
178	21	"	17000	N-S	2000	1.5	2:5	II _r	7.38.15	7.40.10	7.40.16	7.40.52	7.41.57	7.51.06	6.74	2	6.74	1070	
"	"	"	17000	E-W	2000	"	"	"	7.38.15	7.40.10	7.40.16	7.40.41	7.42.18	7.50.26	8.17	2	8.17	1070	

Número	Fecha	INSTRUMENTO		CONSTANTES				Carácter	PRINCIPIO DE LAS FASES					FIN				Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T _e	e.		P.	S.	L.	M.	C.	μ	T.	Ag.			
179	21	Wiech.	17000	N-S	2000	1.5	2:5	I _v	10.23.42		10.24.24	?	10.24.56	10.25.08			343		
"	"	"	17000	E-W	2000	"	2:6	"	10.23.46		10.24.22	?	10.24.51	10.25.36			329		
180	21	"	17000	N-S	2000	1.5	2:5	I _v	?		10.27.46	10.28.09	10.29.39	10.32.39	2.75	1	11.00	?	
"	"	"	17000	E-W	2000	"	2:6	"	?		10.27.42	10.27.59	10.29.39	10.32.09	1.35	1	5.40	?	
181	22	"	17000	N-S	2000	1.5	2:5	I _v	15.19.38		15.20.10	15.20.16	15.20.50	15.21.55	1.00	1	4.00	271	
"	"	"	17000	E-W	2000	"	2:6	"	15.19.38		15.20.12	15.20.20	15.20.42	15.22.00				285	
182	23	"	17000	N-S	2000	1.5	2:5	II _v	1.56.54		1.56.51	1.57.09	1.58.39	2.01.38	2.02		8.08	452	
"	"	"	17000	E-W	2000	"	2:6	I _v	1.56.54		1.56.51	1.57.13	1.59.37	2.01.50	2.34	1	9.36	452	
183	23	"	17000	N-S	2000	1.5	2:5	II _v	18.20.02		18.20.07								
"	"	"	17000	E-W	2000	"	2:6	II _d	18.20.02		18.20.07	18.20.09	18.20.13	?				?	
184	23	"	17000	E-W	2000	1.5	2:6	II _d	18.20.21		18.20.15			?					
185	24	"	17000	N-S	2000	1.5	2:5	II _v	7.32.57		7.33.33	7.33.41	7.34.31	7.37.21	2.52	1	10.00	300	
"	"	"	17000	E-W	2000	"	2:6	"	7.32.57		7.33.34	7.33.44	7.34.18	7.36.23	3.38	1	13.52	307	
186	26	"	17000	N-S	2000	1.5	2:5	I _v	2.18.11		2.18.56	2.19.03	2.19.40	2.21.19	0.85	1	3.40	365	
"	"	"	17000	E-W	2000	"	2:6	"	2.18.11		2.18.56	2.19.06	2.19.36	2.20.46	0.84	1	3.36	365	
187	28	"	17000	N-S	2000	1.5	2:5	I _v	2.42.19		2.43.09	2.43.19	2.44.07	2.46.32	1.69	1	6.76	409	
"	"	"	17000	E-W	2000	"	2:6	"	2.42.19		2.43.09	2.43.24	2.44.55	2.47.50	1.51	1	6.04	402	
188	26	"	17000	N-S	2000	1.5	2:5	I _v	14.44.54		14.45.35		14.46.30	14.47.50				336	
"	"	"	17000	E-W	2000	"	2:6	"	14.44.54		14.45.35		14.46.30	14.47.40				329	
JAM.																			

ESTACION SEISMOLOGICA DE MERIDA, YUC.

ϕ 20°56'51''6. λ 89°36'59''9. W. de Greenwich. α 6^m.35

Observador, *Rafael Acosta Ocampo*.

DOTACION DE INSTRUMENTOS

Un péndulo astático horizontal de 1,200 kgs. del Prof. E. Wiechert.
Un seismógrafo vertical de 1,300 kgs. del Prof. E. Wiechert.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mesa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
1	2	Wiechert	1200	NS	135	5	5	I _v	19.23.00	---	19.24.54.	19.25.58.	19.26.10.	19.34.10.	12	3	8	867	
"	"	"	1200	EW	135	5	5	"	19.23.00.	---	19.24.55.	19.25.59.	19.26.08.	19.36.15.	18	3	7	874	
MES DE MAYO.																			
2	17	"	1300	Z	40	1,5	3,5	I _v	18.00.03.	---	18.01.59.	18.02.30.	18.03.45.	18.10.15.	79	2	79	881	
5	19	"	1300	Z	40	1,5	3,5	I _v	11.49.17.	---	---	11.52.19.	11.54.49.	?	166	2	166	---	
MES DE JUNIO.																			
4	12	"	1200	NS	135	5	5	II _v	4.52.30.	4.55.45.	4.58.51.	5.01.39.	5.08.49.	5.35.50.	78	10	3	1,900	
"	"	"	1200	EW	135	5	5	"	4.52.30.	?	4.59.00.	5.01.28.	5.08.58.	5.38.00.	130	10	5	1,950	
5	12	"	1200	NS	135	5	5	I _v	10.47.24.	---	---	---	---	10.58.20.	-	-	-	---	
"	"	"	1200	EW	135	5	5	"	10.47.24.	10.50.39.	10.53.49.	10.56.49.	10.59.39.	?	16	8	1	1,900.	
6	13	"	1200	EW	135	5	5	I _v	3.04.36.	---	3.05.21.	3.05.36.	3.08.51.	3.12.50.	40	2	40	366	
7	23	"	1200	EW	135	5	5	I _v	16.02.57.	---	---	16.03.51.	---	16.09.56.	-	-	-	---	
8	25	"	1200	EW	135	5	5	I _v	8.20.00.	---	8.20.51.	8.21.01.	8.22.01.	8.27.10.	31	3	13	409	
9	26	"	1200	NS	135	5	5	I _v	18.08.15.	---	18.09.57.	18.10.09.	18.11.16.	18.15.20.	17	6	2	779	
"	"	"	1200	EW	135	5	5	"	18.08.15.	---	18.09.55.	18.10.07.	18.11.16.	?	69	6	10	765	
"	"	"	1300	Z	40	1,5	3,5	"	18.08.15	---	---	18.10.09.	---	?	-	-	-	---	
MES DE JULIO.																			
10	5	"	1200	EW	135	5	5	I _v	---	---	---	5.06.33.	---	---	-	-	-	---	
11	16	"	1200	EW	135	5	5	I _v	?	---	---	4.58.00.	---	---	-	-	-	---	
12	25	"	1200	NS	135	5	5	I _v	10.39.03.	---	10.40.03.	10.40.30.	10.42.00.	10.50.50.	18	3	8	910	
"	"	"	1200	EW	135	5	5	"	10.38.03.	---	10.40.00.	10.40.27.	10.41.57.	10.51.57.	49	3	22	886	
"	"	"	1300	Z	40	1,5	3,5	"	10.38.03.	---	10.40.00.	10.40.28.	10.41.55.	---	197	2	197	---	
13	27	"	1200	NS	135	5	5	I _v	5.40.00.	---	---	---	---	5.47.45.	-	-	-	---	
"	"	"	1200	EW	135	5	5	"	5.40.00.	---	5.42.00.	5.42.24.	5.43.39.	5.50.40.	18	3	8	919	
"	"	"	1300	Z	40	1,5	3,5	"	5.40.00.	---	5.42.00.	5.42.30.	5.43.25.	?	19	2	19	---	
14	31	"	1200	EW	135	5	5	I _v	2.46.00.	---	2.47.45.	2.48.12.	2.48.57.	2.52.57.	17	6	5	801	
MES DE AGOSTO.																			
15	25	"	1200	NS	135	5	5	I _v	3.42.09.	---	3.43.35.	3.43.43.	3.45.25.	3.50.20.	27	2	27	570	
"	"	"	1200	EW	135	5	5	"	3.42.09.	---	3.43.35.	3.43.45.	3.45.30.	3.51.30.	54	7	54	670	
"	"	"	1300	Z	40	1,5	3,5	"	3.42.07.	---	3.43.35.	3.43.44.	3.45.10.	3.50.00.	118	2	118	665	

Número	Fecha	INSTRUMENTO			CONSTANTES			Orientación	AMPLIFICACION DE LAS FASES					FIN	MAXIMA			Duración	OBSERVACIONES
		Auto	Modo	Comp.	V.	T.	S.		P.	S.	L.	M.	C.		a.	t.	st.		
16	31	Acouhop	1200	ES	250	5	5	I _v	?	---	6.19.29.	6.19.25.	6.21.25.	6.27.00.	18	3	5	---	
"	"	"	1200	EW	135	5	5	"	?	---	6.19.30.	6.19.24.	6.21.30.	6.27.30.	18	3	8	---	
"	"	"	1300	Z	40	1.5	3.5	"	?	---	6.19.28.	6.19.23.	6.21.17.	?	197	2	197	---	
MES DE SEPTIEMBRE.																			
17	1	"	1200	NE y NW	135	5	5	I _v	---	---	---	20.56.00.	---	---	---	---	---	---	
18	1	"	1200	NS y NE	135	5	5	I _v	---	---	---	22.56.00.	---	---	---	---	---	---	
19	14	"	1200	NE	135	5	5	I _v	10.31.49.	---	10.32.35.	10.32.56.	10.34.02.	10.39.10.	9	3	6	330	
20	14	"	1200	EW	135	5	5	I _v	?	---	20.57.35.	20.56.05.	20.59.23.	21.03.00.	16	2	12	---	
21	28	"	1200	NE	135	5	5	I _v	?	---	21.34.20.	21.34.56.	21.37.00.	21.43.15.	16	3	8	---	
"	"	"	1200	EW	135	5	5	"	21.39.21.	---	21.34.19.	21.34.58.	21.37.22.	21.44.56.	24	3	11	1,100	
"	"	"	1300	Z	40	1.5	3.5	"	21.35.10.	---	---	21.34.50.	---	21.45.10.	19	2	19	---	
22	30	"	1200	NS	135	5	5	I _v	19.36.29.	---	19.37.37.	19.37.50.	19.38.00.	19.42.00.	14	3	8	532	
"	"	"	1200	EW	135	5	5	"	19.36.28.	---	19.37.37.	19.37.52.	19.40.07.	19.44.17.	31	3	13	540	
MES DE OCTUBRE.																			
23	"	"	1200	NS	135	5	5	I _v	5.42.30.	---	5.44.06.	5.44.39.	5.45.43.	5.50.00.	13	2	13	738	
24	11	"	1200	NS	135	5	5	II _v	14.57.35.	15.04.04.	15.07.08.	15.10.33.	15.16.16.	15.32.00.	263	30	0.3	4,760	
"	"	"	1200	EW	135	5	5	"	14.57.37.	15.04.08.	15.07.08.	15.10.35.	15.16.10.	15.30.15.	268	30	0.3	4,790	
"	"	"	1300	Z	40	1.5	3.5	"	14.57.36.	---	---	---	---	15.27.30.	---	---	---	---	
25	7	"	1200	NS	135	5	5	I _v	9.27.43.	---	9.28.32.	9.28.44.	9.29.44.	9.34.54.	13	2	13	480	
26	13	"	1200	NS	135	5	5	I _v	19.29.16.	---	19.30.12.	19.31.12.	19.31.55.	19.40.55.	24	3	11	652	
"	"	"	1200	EW	135	5	5	"	19.29.17.	---	19.30.12.	19.30.00.	19.30.45.	19.16.00.	56	3	28	438	
"	"	"	1300	Z	40	1.5	3.5	"	19.29.17.	---	19.30.12.	19.30.05.	19.30.50.	19.14.55.	237	2	237	439	
MES DE NOVIEMBRE.																			
27	9	"	1200	NS	135	5	5	I _v	11.36.07.	---	11.37.51.	11.38.46.	11.39.30.	11.44.30.	18	3	8	456	
"	"	"	1200	EW	135	5	5	"	11.36.56.	---	11.37.52.	11.38.48.	11.39.51.	11.45.50.	36	3	15	445	
28	11	"	1200	NS	135	5	5	III _v	4.41.06.	4.43.27.	4.51.45.	4.54.50.	5.17.00.	6.40.35.	1841	30	8	5,750	temblor de Chile.
"	"	"	1200	EW	135	5	5	"	4.41.06.	4.43.27.	4.51.47.	4.54.48.	5.17.30.	6.57.20.	2630	30	11	5,750	
"	"	"	1300	Z	40	1.5	3.5	"	4.41.06.	4.43.25.	4.51.42.	4.54.48.	5.15.00.	6.35.28.	1232	24	12762	5,750	

Número	Fecha	INSTRUMENTO			CONSTANTES			Código	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Amort.	Mano	Comp.	V.	T.	α		P.	S.	L.	M.	C.		u	T.	Am.		
29	1	Wiescherl	1200	NS	135	5	5	I ₁	2.51.49.	---	2.52.05.	2.52.14.	2.54.28.	3.00.00.	20	2	20	592	
"	"	"	1200	EW	135	5	5	"	2.51.49.	---	2.52.06.	2.52.15.	2.54.30.	3.00.05.	33	2	33	598	
"	"	"	1300	Z	40	1.5	3.5	"	2.51.48.	---	2.52.05.	2.52.13.	2.54.20.	2.59.25.	118	2	118	590	
30	"	"	1200	NS	135	5	5	II ₁	1.17.56.	---	1.18.59.	1.19.10.	1.21.35.	1.28.00.	67	2	67	495	
"	"	"	1200	EW	135	5	5	"	1.17.56.	---	1.18.59.	1.19.11.	1.21.41.	1.28.47.	67	2	67	495	
"	"	"	1300	Z	40	1.5	3.5	"	1.17.55.	---	1.18.58.	1.19.08.	1.21.20.	1.25.35.	513	2	513	490	
31	8	"	1200	NS	135	5	5	I ₂	8.11.43.	---	8.15.17.	8.16.10.	8.18.00.	8.25.30.	26	4	7	2,010	
"	"	"	1200	EW	135	5	5	"	8.17.43.	---	8.15.17.	8.16.14.	8.18.14.	8.26.10.	22	4	6	2,010	
32	13	"	1200	EW	135	5	5	I ₁	?	---	9.47.47.	9.48.33.	---	9.55.15.	12	4	3	?	
33	16	"	1200	EW	135	5	5	I ₂	?	---	15.47.52.	15.48.43.	?	?	-	-	-	---	
34	21	"	1200	NS	135	5	5	I ₁	7.35.12.	---	7.37.21.	7.38.09.	7.39.59.	7.47.50.	50	4	7	976	
"	"	"	1200	EW	135	5	5	"	7.35.12.	---	7.37.21.	7.38.10.	7.39.52.	7.48.00.	32	4	8	976	
"	"	"	1300	Z	40	1.5	3.5	"	7.35.12.	---	7.37.20.	7.38.12.	7.39.45.	7.46.55.	409	3	191	970	

ESTACION SEISMOLOGICA DE OAXACA, OAX.

RANCHO DE SAN MIGUEL

$\phi = 17^{\circ}01'13''50$ N. $\lambda = 96^{\circ}45'46''$. W. de Greenwich. $\alpha = 1,570^m.85$.

Observador, *Alfonso Rueda*.

DOTACION DE INSTRUMENTOS

Un péndulo astático horizontal de 200 kgs. del Prof. E. Wiechert.
Un seismógrafo vertical de 80 kgs. del Prof. E. Wiechert.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Dilatada	OBSERVACIONES
		Aut.	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	ag.		
1	2	Wieschert	200	NS	80	5	4,5	I _v	20.19.53.	---	20.20.45.	20.21.22.	20.23.52.	?	24	4	5	416	
"	"	"	200	EW	80	5	4,5	"	20.19.53.	---	20.20.45.	20.21.23.	20.23.50.	?	22	4	5	418	
2	6	"	200	NS	80	5	4,5	I _v	14.17.35.	---	14.27.35.	14.31.47.	?	?	-	-	-	4,230	
"	"	"	200	EW	80	5	4,5	"	14.17.35.	---	14.27.35.	14.31.59.	?	?	-	-	-	4,230	
3	7	"	200	NS	80	5	4,5	I _v	22.00.18.	---	22.00.36.	22.00.36.	22.01.17.	22.05.27.	72	2	72	169	
"	"	"	200	EW	80	5	4,5	"	22.00.18.	---	22.00.36.	22.00.36.	22.01.17.	22.05.18.	100	2	100	169	
"	"	"	80	Z	60	5	4,3	"	22.00.17.	---	22.00.35.	22.00.37.	22.01.17.	22.04.53.	40	2	40	169	
4	17	"	200	NS	80	5	4,5	III _v	3.56.42.	4.01.23.	4.04.24.	4.06.12.	4.16.32.	?	42	5	7	2,970	
"	"	"	200	EW	80	5	4,5	"	3.56.42.	4.01.24.	4.04.25.	4.06.10.	4.16.42.	?	44	5	14	2,970	Epifoco al NE de Oaxaca
"	"	"	80	Z	60	5	4,3	"	3.56.41.	4.01.23.	4.04.22.	4.04.40.	4.14.42.	?	50	5	6	2,970	
5	31	"	200	NS	80	5	4,5	III _v	13.24.06.	13.29.42.	13.33.42.	13.37.54.	13.40.03.	13.53.23.	576	12	16	3,810	
"	"	"	200	EW	80	5	4,5	"	13.24.06.	13.29.42.	13.33.43.	13.37.54.	13.40.02.	13.53.24.	576	12	16	3,810	
"	"	"	200	Z	80	5	4,3	"	13.24.06.	13.29.43.	13.34.03.?	13.39.55.	13.52.35.	?	236	12	9	3,620	
MES DE FEBRERO																			
6	9	"	200	NS	80	5	4,5	I _v	18.28.54.	---	18.30.21.	18.30.31.	18.31.31.	18.35.11.	24	4	5	670	
"	"	"	200	EW	80	5	4,5	"	18.28.53.	---	18.30.20.	18.30.35.	18.31.31.	18.35.10.	20	4	5	670	
7	11	"	200	NS	80	5	4,5	I _v	8.12.29.	---	8.12.46.	8.12.49.	8.13.16.	?	11	2	11	162	
"	"	"	200	EW	80	5	4,5	"	8.12.29.	---	8.12.46.	8.12.50.	8.13.18.	?	11	2	11	162	
"	"	"	80	Z	80	5	4,3	"	8.12.29.	---	8.12.46.	8.12.50.	8.13.17.	?	5	2	5	162	
8	14	"	200	NS	80	5	4,5	I _v	12.30.11.	---	12.32.03.	12.33.25.	12.36.45.	?	-	-	-	952	
"	"	"	200	EW	80	5	4,5	"	12.30.11.	---	12.32.03.	12.33.25.	12.36.43.	?	-	-	-	952	
9	16	"	200	NS	80	5	4,5	I _v	3.17.05.	3.20.25.	3.21.01.	3.21.52.	3.27.52.	3.55.30.	149	10	6	1,970	
"	"	"	200	EW	80	5	4,5	"	3.17.05.	3.20.25.	3.21.00.	3.21.42.	3.27.57.	3.55.27.	112	10	4	1,970	
10	28	"	200	NS	80	5	4,5	I _v	21.13.30.	21.15.34.	21.15.45.	21.16.01.	21.21.53.	21.40.43.	27	6	5	1,160	
"	"	"	200	EW	80	5	4,5	"	21.13.30.	21.15.34.	21.15.45.	21.16.03.	21.21.48.	21.40.57.	20	6	2	1,160	
MES DE MARZO.																			
11	10	"	200	NS	80	5	4,5	I _v	11.26.13.	---	11.35.22.	11.37.54.	11.43.44.	?	119	16	2	3,950	Mal registrado en la componente EW.
12	12	"	200	NS	80	5	4,5	II _v	12.34.33.	---	12.34.53.	12.35.06.	12.36.22.	12.40.02.	122	3	54	183	
"	"	"	200	EW	80	5	4,5	"	12.34.33.	---	12.34.53.	12.35.06.	12.36.20.	12.40.00.	108	3	44	183	
"	"	"	80	Z	80	5	4,3	"	12.34.33.	---	12.34.52.	12.35.06.	12.36.19.	12.39.59.	26	3	11	176	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Aut. o	Masa	Comp.	V.	T.	e		P.	S.	L.	M.	C.		u.	T.	az.		
13	12	Stechert	200	NS	80	5	4,5	II _v	19.54.52.	---	19.55.07.	19.55.07.	19.55.25.	19.57.40.	38	2	38	147	
"	"	"	200	EW	80	5	4,5	"	19.54.52.	---	19.55.07.	19.55.07.	19.55.28.	19.57.50.	38	2	38	147	
"	"	"	80	Z	80	5	4,5	"	19.54.52.	---	19.55.07.	19.55.07.	19.55.23.	19.57.28.	20	2	20	147	
14	15	"	200	NS	80	5	4,5	I _v	15.44.40.	---	15.44.53.	15.44.53.	15.45.10.	15.47.20.	33	2	33	132	
"	"	"	200	EW	80	5	4,5	"	15.44.40.	---	15.44.53.	15.44.53.	15.45.12.	15.47.25.	34	2	34	132	
"	"	"	80	Z	80	5	4,5	"	15.44.40.	---	15.44.53.	15.44.53.	15.45.07.	15.47.10.	20	2	20	132	
15	20	"	200	NS	80	5	4,5	I _v	21.00.00.	---	21.00.26.	21.00.26.	21.01.07.	21.03.17.	50	2	50	227	
"	"	"	200	EW	80	5	4,5	"	21.00.00.	---	21.00.26.	21.00.26.	21.01.09.	21.03.20.	55	2	55	227	
"	"	"	80	Z	80	5	4,5	"	21.00.00.	---	21.00.26.	21.00.15.	21.01.05.	21.02.55.	23	2	23	227	
16	29	"	200	NS	80	5	4,5	I _v	12.33.45.	---	12.34.59.	12.35.18.	12.37.00.	12.47.35.	40	3	17	554	
"	"	"	200	EW	80	5	4,5	"	12.33.45.	---	12.34.59.	12.35.16.	12.36.48.	12.42.48.	40	3	17	554	
MES DE MAYO.																			
17	1	"	200	NS	80	5	4,5	I _v	4.42.46.	---	4.42.55.	4.42.56.	4.43.15.	4.44.16.	72	1	288	52	
"	"	"	200	EW	80	5	4,5	"	4.42.46.	---	4.42.55.	4.42.56.	4.43.12.	4.44.10.	60	1	240	52	
"	"	"	80	Z	80	5	4,5	"	4.42.46.	---	4.42.54.	4.42.58.	4.43.10.	4.44.05.	25	1	100	52	
MES DE JUNIO.																			
18	12	"	200	NS	80	5	4,5	II _p	4.50.48.	---	4.55.20.	4.56.25.	4.59.00.	5.25.00.	231	8	13	2,320	
"	"	"	200	EW	80	5	4,5	"	4.50.48.	4.54.40.	4.55.18.	4.56.24.	4.59.45.	5.30.50.	360	8	22	2,393	
"	"	"	80	Z	80	5	4,5	"	4.50.48.	?	4.55.20.	4.56.30.	4.58.50.	?	105	8	6	2,320	
19	12	"	200	NS	80	5	4,5	I _p	?	?	8.48.40.	8.49.12.	8.52.00.	?	-	-	-	---	Mal definido.
"	"	"	200	EW	80	5	4,5	"	8.45.12.	8.47.51.	8.48.43.	8.49.16.	8.52.31.	9.12.31.	182	12	5	1,420	
"	"	"	80	Z	80	5	4,5	"	?	?	8.48.38.	8.49.10.	8.52.10.	?	66	10	3	---	
20	23	"	200	NS	80	5	4,5	I _v	8.45.20.	---	8.45.47.	8.45.51.	8.46.06.	8.17.26.	20	3	9	234	
"	"	"	200	EW	80	5	4,5	"	8.45.20.	---	8.45.47.	8.45.50.	8.46.04.	8.47.20.	20	3	9	234	
MES DE JULIO.																			
21	1	"	200	NS	80	5	4,5	I _v	11.45.27.	---	11.46.54.	11.46.59.	11.47.20.	11.49.00.	22	2	22	234	
"	"	"	200	EW	80	5	4,5	"	11.45.27.	---	11.46.54.	11.46.58.	11.47.28.	11.50.00.	22	2	22	234	
22	15	"	200	NS	80	5	4,5	I _v	---	---	19.15.21.	19.15.26.	19.16.00.	19.17.15.	12	1	12	---	
"	"	"	200	EW	80	5	4,5	"	---	---	19.15.21.	19.15.26.	19.16.05.	19.17.20.	24	2	24	---	
23	27	"	200	EW	80	5	4,5	I _v	?	---	5.49.26.	5.49.43.	5.50.12.	5.51.50.	22	2	22	---	

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		u.	T.	Ag.		
24	26	Wiechert	200	NS	80	5	4,5	I _v	8.35.31.	---	8.35.48.	8.35.54.	8.36.54.	8.40.00.	132	1	528	127	
"	"	"	200	EW	80	5	4,5	"	8.35.30.	---	8.35.47.	8.35.53.	8.36.50.	8.40.50.	128	1	512	127	
"	"	"	80	Z	80	5	4,3	"	8.35.30.	---	8.35.47.	8.35.53.	8.36.23.	8.36.25.	48	1	195	127	
MES DE SEPTIEMBRE.																			
25	1	"	200	NS	80	5	4,5	I _v	22.48.38.	---	22.49.03.	22.49.10.	22.49.55.	22.51.55.	34	2	33	219	
"	"	"	200	EW	80	5	4,5	"	22.48.38.	---	22.49.04.	22.49.11.	22.50.00.	22.51.50.	34	2	34	219	
"	"	"	80	Z	80	5	4,3	"	22.48.39.	---	22.49.04.	22.49.09.	22.49.39.	22.50.50.	12	2	12	219	
26	10	"	200	NS	80	5	4,5	IX _d	13.52.32.	---	13.52.45.	13.52.51.	13.53.10.	13.54.58.	228	1	912	96	
"	"	"	200	EW	80	5	4,5	"	13.52.32.	---	13.52.45.	13.52.50.	13.53.08.	13.54.50.	180	1	720	96	
"	"	"	80	Z	80	5	4,3	"	13.52.32.	---	13.52.44.	13.52.49.	13.53.05.	13.54.40.	48	1	195	90	
27	29	"	200	NS	80	5	4,5	III _v	21.30.39.	---	21.31.25.	21.31.45.	21.32.58.	21.56.15.	437	3	194	379	
"	"	"	200	EW	80	5	4,5	"	21.30.39.	---	21.31.25.	21.31.45.	21.32.50.	21.56.10.	218	3	96	379	
"	"	"	80	Z	80	5	4,3	"	21.30.39.	---	21.31.24.	21.31.44.	21.32.55.	21.55.55.	136	3	80	365	
MES DE OCTUBRE.																			
28	17	"	200	NS	80	5	4,5	I _v	?	---	12.54.05.	12.54.09.	12.54.50.	12.55.55.	12	1	48	?	
"	"	"	200	EW	80	5	4,5	"	?	---	12.54.05.	12.54.10.	12.55.00.	12.56.00.	12	1	48	?	
29	26	"	200	NS	80	5	4,5	I _v	14.44.20.	---	14.44.47.	14.44.51.	14.45.15.	14.46.50.	22	2	22	234	
"	"	"	200	EW	80	5	4,5	"	14.44.20.	---	14.44.47.	14.44.52.	14.45.12.	14.46.45.	12	2	12	234	
30	27	"	200	NS	80	5	4,5	I _v	15.00.15.	---	15.00.42.	15.00.46.	15.01.12.	15.02.15.	12	2	12	234	
"	"	"	200	EW	80	5	4,5	"	15.00.15.	---	15.00.43.	15.00.46.	15.01.15.	15.02.20.	12	2	12	234	
MES DE NOVIEMBRE.																			
31	11	"	200	NS	80	5	4,5	II _v	4.41.04.	---	---	---	---	6.05.00.	-	-	-	---	
"	"	"	200	EW	80	5	4,5	"	4.41.04.	?	4.46.28.	5.02.30.	?	6.11.20.	-	-	-	3,850	Tumbler de Chile.
32	17	"	200	NS	80	5	4,5	I _v	17.09.59.	---	17.10.17.	17.10.20.	17.20.15.	17.31.00.	12	1	48	134	
"	"	"	200	EW	80	5	4,5	"	17.09.59.	---	17.10.17.	17.10.21.	17.30.10.	17.30.55.	12	1	48	134	
33	20	"	200	NS	80	5	4,5	I _v	22.01.02.	---	22.01.30.	22.01.36.	22.02.00.	22.05.06.	78	2	78	241	
"	"	"	200	EW	80	5	4,5	"	22.01.02.	---	22.01.30.	22.01.35.	22.01.58.	22.05.00.	78	2	78	241	
"	"	"	80	Z	80	5	4,3	"	22.01.01.	---	22.01.28.	22.01.34.	22.01.59.	22.03.00.	34	2	34	234	
34	30	"	200	NS y EW	80	5	4,5	I _v	---	---	---	11.06.07.	---	---	-	-	-	---	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Δg.		
35	1	Wiechert	200	NS	80	5	4,5	III _d	2.50.04.	----	2.50.07.	2.50.09.	2.51.09.	2.53.10.	746	1	2992	23	
"	"	"	200	EW	80	5	4,5	"	2.50.04.	----	2.50.07.	2.50.09.	2.51.10.	2.53.15.	739	1	2984	23	
"	"	"	80	Z	80	5	4,3	"	2.50.03.	----	2.50.06.	2.50.07.	2.50.50.	2.54.55.	354	1	1416	23	
36	4	"	200	NS	80	5	4,5	III _v	1.13.16.	----	1.13.34.	1.13.40.	1.14.56.	1.17.00.	963	1	3852	134	
"	"	"	200	EW	80	5	4,5	"	1.13.16.	----	1.13.34.	1.13.41.	1.14.56.	1.16.55.	806	1	3224	134	
"	"	"	80	Z	80	5	4,3	"	1.13.16.	----	1.13.32.	1.13.39.	1.14.40.	1.16.30.	158	1	634	119	

ESTACION SEISMOLOGICA DE COLIMA, COL.

ϕ 18°11'45". λ 103°42'15". W. de Greenwich. Altura, 469 mts.

Observador, *Aniceto Castellanos*.

DOTACION DE INSTRUMENTOS

Un péndulo astático horizontal de 125 kgs. del Prof. E. Wiechert.
Un seismógrafo vertical de 80 kgs. del Prof. E. Wiechert.

Número	Fecha	INSTRUMENTO			CONSTANTES			Grado	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Observaciones
		Ampl.	Mod.	Comp.	V	T	α		P	S	L	M	C		α	β	γ	
1	16	Wiechert	125	NS	80	5	4,5	II _v	2.01.28.	---	2.05.48.	2.06.10.	---	---	55	2	55	2,040.
"	"	"	125	EW	80	5	4,5	"	2.01.28.	---	2.05.48.	2.06.08.	2.10.10.	2.35.00.	83	2	83	2,040
3	31	"	125	EW	80	5	4,5	II _v	13.45.48.	13.50.38.	13.54.28.	13.59.28.	14.07.56.	14.57.50.	789	14	406	3,250 No lo registró la componente NS.
MES DE JUNIO.																		
3	3	"	125	NS	80	5	4,5	I _v	6.55.20.	---	8.55.34.	8.55.46.	8.56.08.	8.58.28.	27	2	27	104
"	"	"	125	EW	80	5	4,5	"	8.55.19	---	8.55.34.	8.55.46.	8.56.10.	8.57.20.	32	2	32	112
4	4	"	125	NS	80	5	4,5	II _v	23.43.45.	---	23.44.01.	23.44.05.	23.44.50.	23.46.18	392	1	1408	112
"	"	"	125	EW	80	5	4,5	"	23.43.45.	---	23.44.01.	23.44.04.	23.45.04.	23.53.30.	207	1	828	112
"	"	"	80	Z	80	5	4,5	"	23.43.45.	---	23.44.01.	23.44.05.	23.45.05.	23.49.50.	134	1	436	119
5	12	"	125	NS	80	5	4,5	III _v	4.53.18.	---	4.54.05.	4.54.55.	5.07.58.	5.33.20.	167	2	167	380
"	"	"	125	EW	80	5	4,5	"	4.53.18.	---	4.54.03.	4.54.54.	5.07.55.	5.31.55.	222	2	222	365
"	"	"	80	Z	80	5	4,3	"	4.53.18.	---	4.54.05.	4.55.35.	5.08.50.	5.20.10.	177	3	79	380
6	12	"	125	NS	80	5	4,5	III _v	10.47.48.	---	10.48.44.	10.49.05.	10.56.00.	11.17.20.	195	2	195	445
"	"	"	125	EW	80	5	4,5	"	10.47.48.	---	10.48.42.	10.49.08.	10.56.15.	11.20.15.	158	2	158	470 Mal registrado por el vertical.
MES DE JULIO.																		
7	7	"	125	NS	80	5	4,5	I _v	1.05.16.	---	1.05.30.	1.05.34.	1.05.55.	1.07.25.	74	1	138	104
"	"	"	125	EW	80	5	4,5	"	1.05.16.	---	1.05.30.	1.05.36.	1.05.37.	1.08.47.	34	1	138	104
MES DE SEPTIEMBRE.																		
8	9	"	125	NS	80	5	4,5	I _v	1.06.46.	---	---	---	---	1.18.50.	-	-	-	---
"	"	"	125	EW	80	5	4,5	"	1.06.46.	---	---	1.09.46.	---	1.19.00.	-	-	-	---
9	29	"	125	NS	80	5	4,5	III _v	21.28.31.	---	21.29.31.	21.29.38.	21.33.36.	21.43.15.	607	1	2028	474
"	"	"	125	EW	80	5	4,5	"	21.28.31.	---	21.29.31.	21.29.40.	21.33.42.	21.43.50.	564	1	2256	474
"	"	"	80	Z	80	5	4,3	"	21.28.31.	---	21.29.30.	21.29.39.	21.33.50.	21.40.50.	146	1	584	467
10	29	"	125	EW	80	5	4,5	I _v	22.05.00.	---	---	22.07.10.	---	22.09.11.	-	-	-	--- Réplica del anterior.
MES DE NOVIEMBRE.																		
11	11	"	125	NS	80	5	4,5	III _v	4.55.30.	5.04.08.	5.10.05.	5.11.40.	5.33.50.	6.18.20.	878	30	3	7,020
"	"	"	125	EW	80	5	4,5	"	4.55.30.	5.04.00.	5.10.00.	5.13.30.	5.33.30.	6.20.50.	900	30	4	7,020 El vertical no marcó el tiempo.
12	18	"	125	NS	80	5	4,5	I _v	10.49.30.	---	10.50.09.	10.50.21.	10.51.05.	10.55.30.	16	2	18	321

Número	Fecha	INSTRUMENTO			CONSTANTES			Unidad	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	M-s	Comp.	V	T	s		P	S	L	M	C		h	T	Ag		
25	4	Wischert	125	NS	80	5	4.5	I _T	1.50.44.	---	1.35.08.	1.33.16.	1.35.20.	1.39.10.	46	3	20	1.064	
"	"	"	125	EW	80	5	4.5	"	1.50.44.	---	1.35.08.	1.33.15.	1.35.15.	1.38.50.	46	3	20	1.064	
16	10	"	125	NS	80	5	4.5	I _V	6.46.24.	---	6.46.40.	6.46.44.	6.47.42.	6.48.50.	13	1	52	120	
"	"	"	125	EW	80	5	4.5	"	6.46.24.	---	6.46.40.	6.46.45.	6.47.40.	6.48.40.	13	1	52	120	
17	25	"	125	NS	80	5	4.5	I _u	2.37.59.	---	2.38.06.	2.38.16.	2.39.00.	2.40.48.	103	1	412	50	
"	"	"	125	EW	80	5	4.5	"	2.37.59.	---	2.38.06.	2.38.15.	2.39.15.	2.40.50.	51	1	207	50	

ESTACION SEISMOLOGICA DE MAZATLAN, SIN.

CERRO DE "EL YIGIA"

$\phi = 23^{\circ}11'17''.13$ N. $\lambda = 106^{\circ}24'22''$. W. de Greenwich. $\alpha = 65^m.00$.

Observador, *P. Vázquez Schiaffino*.

DOTACION DE INSTRUMENTOS

Un péndulo astático horizontal de 200 kgs. del Prof. E. Wiechert.
Un seismógrafo vertical de 80 kgs. del Prof. E. Wiechert.

Número	Fuer	INSTRUMENTO			CONSTANTES			Cauder	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Auto	Mos	Comp.	V.	T.	-		P.	S.	L.	M.	C.		A.	T.	Ag.		
1	17	Wiesherl	200	NS	80	5	4,5	II _r	4.16.49.	4.23.25.	4.26.23.	---	---	?	48	4	12	4,000	
"	"	"	200	EW	80	5	3,5	"	4.16.49.	4.23.25.	4.26.25.	4.26.36.	4.32.36.	?	45	4	10	4,000	
2	31	"	200	NS	80	5	4,5	III _r	13.44.27.	13.49.10.	13.51.31.	13.54.45.	14.00.50.	15.41.09.	636	14	12	3,145	
"	"	"	200	EW	80	5	4,5	"	13.44.27.	13.49.12.	13.51.30.	13.54.51.	14.00.51.	15.39.10.	634	14	11	3,175	
"	"	"	80	Z	80	5	4,3	"	13.44.25.	13.49.12.	13.51.55.	13.54.45.	14.00.40.	15.26.15.	628	14	10	3,190	
MES DE FEBRERO																			
3	14	"	200	NS	80	5	3,5	I _r	---	---	17.39.16.	---	---	---	-	-	-	---	
4	16	"	200	EW	80	5	4,5	I _r	3.18.11.	---	3.25.47.	3.28.41.	3.34.16.	3.54.50.	45	14	0,1	4,952	Mal definido en la componente NS
MES DE MARZO.																			
5	10	"	200	NS	80	5	4,5	I _r	?	---	13.30.10.	13.31.47.	13.34.50.	?	-	14	---	---	
"	"	"	200	EW	80	5	4,5	"	?	---	13.30.12.	13.31.45.	13.34.45.	?	-	14	---	---	
MES DE ABRIL.																			
6	20	"	200	NS y EW	80	5	4,5	I _r	---	---	5.01.54.	---	---	---	-	-	---	---	Apenas perceptible.
7	26	"	200	EW	80	5	4,5	I _r	---	---	5.02.10.	---	---	---	-	-	---	---	Apenas perceptible.
MES DE JUNIO.																			
8	3	"	200	EW	80	5	4,5	I _r	1.36.39.	---	1.36.54.	1.37.02.	1.37.48.	1.40.50.	10	3	1	112	Mal definido en la componente NS
9	12	"	200	NS	80	5	4,5	III _r	4.47.39.	---	4.47.58.	4.48.14.	---	---	522	3	235	142	Saltó el estilote.
"	"	"	200	EW	80	5	4,5	"	4.47.39.	---	4.47.52.	4.48.16.	4.57.15.	5.30.15.	498	3	220	142	
10	12	"	200	EW	80	5	4,5	I _r	?	?	10.44.28.	10.45.30.	10.49.08.	11.01.10.	427	10	2	---	
"	"	"	80	Z	80	5	4,3	"	?	?	10.44.24.	10.45.32.	10.49.10.	11.05.00.	79	8	4	---	
MES DE AGOSTO.																			
11	30	"	200	NS y EW	80	5	4,5	I _r	?	?	22.43.20.	---	---	---	-	-	---	---	
MES DE SEPTIEMBRE.																			
12	9	"	200	NS	80	5	4,5	I _r	---	---	0.18.56.	---	---	---	-	-	---	---	
13	29	"	200	EW	80	5	4,5	I _r	21.32.08.	---	21.33.44.	21.33.54.	21.35.42.	21.48.56.	61	3	40	860	
MES DE NOVIEMBRE.																			
14	4	"	200	NS	80	5	4,5	I _r	21.04.54.	---	21.05.18.	21.05.26.	21.06.10.	21.09.00.	67	2	67	105	
"	"	"	200	EW	80	5	4,5	"	21.04.54.	---	21.05.18.	21.05.25.	21.06.02.	21.08.55.	60	2	60	105	
"	"	"	80	Z	80	5	4,3	"	21.04.54.	---	21.05.18.	21.05.25.	21.06.00.	21.08.05.	35	2	35	105	
15	11	"	200	NS	80	5	4,5	II _u	3.21.48.	3.30.50.	3.38.06.	3.43.08.	4.05.15.	5.00.55.	372	30	1	7,640	
"	"	"	200	EW	80	5	4,5	"	3.21.48.	3.30.48.	3.36.10.	3.42.58.	4.03.18.	4.50.30.	1744	30	2	7,640	
"	"	"	80	Z	80	5	4,3	"	3.21.46.	---	---	3.42.55.	3.59.15.	4.48.00.	---	-	---	---	

ESTACION SEISMOLOGICA DE PUEBLA, PUE.

COORDENADAS: Latitud N., $19^{\circ}02'30''$. Longitud, $98^{\circ}11'48''$. W. de Greenwich.
Altura, 124 mts.

Observador, *Francisco de P. Tenorio*.

DOTACION DE INSTRUMENTOS

Péndulos Wiechert de 10 kgs.
Seismógrafo Milne de 3 componentes.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Observación	OBSERVACIONES
		Ampl.	Masa	Comp.	V	T	e		P	S	L	M	G		P	T	Ag.		
1	17	Wiechert	10	NS	20	3,5	4,5	I _v	3.56.30	---	---	---	---	4.15.30	---	---	---	---	
"	"	"	10	EW	20	3,5	4,5	"	3.56.30.	---	---	---	---	4.10.00.	---	---	---	---	
2	21	"	10	NS	20	3,5	4,5	I _v	?	?	13.28.45.	13.33.15.	13.39.20.	13.54.20.	56	2	5	?	
"	"	"	10	EW	20	3,5	4,5	"	?	?	13.28.45.	13.33.12.	13.39.22.	13.54.50.	56	2	3	?	
MES DE MARZO.																			
3	11	"	10	NS	20	3,5	4,5	I _v	6.26.40.	---	6.26.06.	6.26.10.	6.26.50.	6.28.30.	23	2	23	220	
"	"	"	10	EW	20	3,5	4,5	"	6.26.40.	---	6.26.05.	6.26.12.	6.26.55.	6.28.40.	24	2	24	220	
MES DE ABRIL.																			
4	1	"	10	NS	20	3,5	4,5	III _v	5.41.15.	---	5.41.40.	5.41.48.	5.43.30.	5.45.50.	57	2	37	220	
"	"	"	10	EW	20	3,5	4,5	"	5.41.15.	---	5.41.40.	5.41.45.	5.43.35.	5.47.20.	102	2	102	220	
5	2	"	10	NS	20	3,5	4,5	II _v	17.03.05.	---	17.03.45.	17.03.50.	17.05.50.	17.08.20.	37	2	37	329	
"	"	"	10	EW	20	3,5	4,5	"	17.03.05.	---	17.03.45.	17.03.52.	17.05.00.	17.09.10.	56	2	56	329	
6	19	"	10	NS	20	3,5	4,5	I _v	9.36.40.	---	9.36.35.	9.36.56.	9.38.20.	9.39.55.	37	2	37	438	
"	"	"	10	EW	20	3,5	4,5	"	9.36.40.	---	9.36.35.	9.36.53.	9.38.30.	9.40.05.	38	2	38	438	
MES DE JUNIO.																			
7	11	"	10	NS	20	3,5	4,5	I _v	?	?	8.57.30.	8.59.18.	9.03.00.	9.10.00.	36	10	2	?	
"	"	"	10	EW	20	3,5	4,5	"	?	?	8.57.30.	8.59.20.	9.03.05.	9.10.50.	27	10	3	?	
MES DE JULIO.																			
8	23	"	10	NS	20	3,5	4,5	I _v	?	---	3.54.50.	3.54.55.	3.55.10.	3.56.25.	8	3	3	---	
"	"	"	10	EW	20	3,5	4,5	"	?	---	3.54.50.	3.54.55.	3.55.15.	3.56.35.	8	3	3	---	
MES DE AGOSTO.																			
9	"	"	10	NS	20	3,5	4,5	I _v	15.01.40.	---	15.02.06.	15.02.10.	15.03.10.	15.04.00.	3	2	3	220	
"	"	"	10	EW	20	3,5	4,5	"	15.01.40.	---	15.02.05.	15.02.10.	15.03.15.	15.04.05.	27	2	27	220	
10	24	"	10	NS	20	3,5	4,5	I _v	---	---	0.38.30.	0.38.45.	0.39.35.	0.41.10.	2	2	2	---	
"	"	"	10	EW	20	3,5	4,5	"	---	---	0.38.30.	0.38.45.	0.39.40.	0.41.20.	2	2	2	---	
MES DE SEPTIEMBRE.																			
11	22	"	10	NS	20	3,5	4,5	III _v	21.37.40.	---	21.38.10.	21.38.30.	21.40.30.	21.46.10.	129	2	129	236	Se usó el estilo de la componente EW.
MES DE NOVIEMBRE.																			
12	11	"	10	NS	20	3,5	4,5	I _u	4.44.06	4.51.51.	5.00.06.	5.03.05.	5.05.50.	5.45.00.	298	20	3	5.070	
"	"	"	10	EW	20	3,5	4,5	"	4.44.06.	4.51.51.	5.00.06.	5.03.05.	5.06.36.	5.46.20.	395	20	3	5.070	
13	20	"	10	NS	20	3,5	4,5	I _v	22.06.05.	---	22.06.59.	22.06.41.	22.07.00.	22.08.20.	9	1	9	278	
"	"	"	10	EW	20	3,5	4,5	"	22.06.05.	---	22.06.38.	22.06.41.	22.07.05.	22.08.25.	9	1	9	278	
MES DE DICIEMBRE.																			
14	1	"	10	NS	20	3,5	4,5	I _v	2.49.05.	---	2.49.30.	2.49.40.	2.50.45.	2.51.50.	9	1	9	283	
"	"	"	10	EW	20	3,5	4,5	"	2.49.05.	---	2.49.30.	2.49.42.	2.50.50.	2.51.55.	9	1	9	283	
15	3	"	10	NS	20	3,5	4,5	I _v	1.28.10.	---	1.28.46.	1.29.05.	1.30.00.	1.32.40.	10	1	10	292	
"	"	"	10	EW	20	3,5	4,5	"	1.28.10.	---	1.28.48.	1.29.05.	1.30.05.	1.32.50.	10	1	10	292	

ESTACION SEISMOLOGICA DE VERACRUZ, VER.

COORDENADAS: Latitud N., $19^{\circ}12'02''$. Longitud, $96^{\circ}08'16''$. W. de Greenwich.
Altura, 3 mts.

Observador, *Ernesto Domínguez A.*

DOTACION DE INSTRUMENTOS

Un péndulo astático horizontal de 200 kgs. del Prof. E. Wiechert.
Un seismógrafo vertical de 80 kgs. del Prof. E. Wiechert.

Numero	Fecha	INSTRUMENTO			CONSTANTES			Caudex	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		h.	T.	Ag.		
1	1	Wiechert	200	NS y EW	80	4	4.5	I _F	---	---	---	6.40.02.	---	---	---	---	---	---	
2	2	"	200	NS	80	4	4.5	I _F	19.56.32.	---	---	20.00.15.	---	20.17.55.	19	4	9	---	
"	"	"	200	EW	80	4	4.5	"	19.56.32.	---	---	20.00.12.	---	20.18.20.	19	4	9	---	
3	6	"	200	NS	80	4	4.5	II _F	?	?	14.32.32.	14.34.58.	14.44.50.	15.49.10.	288	20	5	---	
"	"	"	200	EW	80	4	4.5	"	?	?	14.32.30.	14.35.00.	14.49.20.	15.50.35.	288	20	4	---	
4	7	"	200	NS	80	4	4.5	I _F	22.01.20.	---	22.02.08.	22.02.33.	22.04.23.	22.12.25.	101	3	65	367	
"	"	"	200	EW	80	4	4.5	"	22.01.20.	---	22.02.08.	22.02.30.	22.04.15.	22.13.00.	101	3	45	367	
"	"	"	80	Z	80	4	4.3	"	22.01.20.	---	22.02.07.	22.02.28.	22.03.15.	22.12.18.	21	3	9	380	
5	9	"	200	NS	80	4	4.5	II _U	4.17.00.	---	4.29.24.	4.32.00.	4.40.10.	?	277	24	0.3	12,090	
"	"	"	200	EW	80	4	4.5	"	4.17.05.	---	4.29.22.	4.33.55.	4.39.50.	?	277	24	0.3	12,045	
6	17	"	200	NS	80	4	4.5	III _F	3.54.40.	---	3.59.20.	3.59.48.	4.10.18.	4.58.10.	337	4	128	2,980	
"	"	"	200	EW	80	4	4.5	"	3.54.40.	---	3.59.20.	3.59.46.	4.10.00.	4.57.15.	202	4	101	2,880	
"	"	"	80	Z	80	4	4.8	"	3.54.58.	---	---	3.59.44.	---	4.48.00.	180	4	80	---	
7	19	"	200	NS	80	4	4.5	I _F	---	---	3.44.58.	3.45.02.	3.45.42.	3.46.12.	11	2	11	---	
"	"	"	200	EW	80	4	4.5	"	---	---	3.44.58.	3.45.02.	3.45.40.	3.46.00.	11	2	11	---	
8	26	"	200	NS	80	4	4.5	I _F	---	---	---	9.54.00.	---	---	---	---	---	---	
9	31	"	200	NS	80	4	4.5	III _F	13.23.24.	13.29.08.	13.34.00.	13.39.20.	14.02.20.	15.05.10.	666	8	141	3,930	
"	"	"	200	EW	80	4	4.5	"	13.23.24.	13.29.08.	13.34.02.	13.39.18.	14.02.00.	15.00.00.	798	8	199	3,900	
"	"	"	200	Z	80	4	4.3	"	13.23.23.	13.29.04.	13.34.00.	13.39.15.	13.58.02.	14.40.00.	106	8	26	3,890	
MES DE FEBRERO																			
10	9	"	200	NS	80	4	4.5	I _F	18.31.28.	---	---	18.33.40.	18.36.35.	18.40.50.	22	2	22	---	
"	"	"	200	EW	80	4	4.5	"	18.31.18.	---	---	18.33.38.	18.36.40.	18.40.20.	11	2	11	---	
11	14	"	200	NS	80	4	4.5	I _F	12.39.30.	---	12.31.38.	12.33.14.	12.37.48.	12.42.50.	103	8	24	968	
"	"	"	200	EW	80	4	4.5	"	12.29.30.	---	12.31.38.	12.33.12.	12.36.55.	12.41.20.	51	8	18	968	
12	16	"	200	NS	80	4	4.5	II _F	?	---	7.21.00.	7.26.11.	7.32.15.	8.11.20.	512	12	14	---	
"	"	"	200	EW	80	4	4.5	"	?	---	7.21.04.	7.26.08.	7.32.00.	8.08.00.	490	12	11	---	
13	28	"	200	NS	80	4	4.3	I _F	?	---	21.16.12.	21.20.00.	21.31.00.	21.50.15.	51	8	12	---	
"	"	"	200	EW	80	4	4.5	"	?	---	21.16.10.	21.20.04.	21.30.40.	21.52.10.	202	8	24	---	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Ampl.	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
14	10	Wiechert	280	NS	80	4	4,5	I _V	?	---	11.26.32.	11.27.30.	11.32.31.	11.44.06.	30	3	13	?	
"	"	"	280	EW	80	4	4,5	"	?	---	11.26.32.	11.27.32.	11.32.00.	11.45.00.	26	3	11	?	
15	12	"	280	NS	80	4	4,5	II _V	12.35.10.	---	12.35.58.	12.36.12.	12.38.20.	12.47.15.	244	2	244	389	
"	"	"	280	EW	80	4	4,5	"	12.35.10.	---	12.35.58.	12.36.14.	12.38.22.	12.47.00.	102	2	102	389	
"	"	"	80	Z	80	4	4,3	"	12.35.10.	---	12.35.58.	12.36.12.	12.38.00.	12.42.10.	50	2	50	389	
16	12	"	200	NS	80	4	4,5	I _V	?	---	---	20.56.30.	20.57.24.	21.01.25.	22	2	22	?	
"	"	"	200	EW	80	4	4,5	"	?	---	---	20.56.30.	20.57.20.	21.01.15.	20	2	20	?	
17	20	"	200	NS	80	4	4,5	I _V	?	---	---	21.01.10.	21.22.30.	21.04.25.	-	-	-	?	
"	"	"	200	EW	80	4	4,5	"	?	---	---	21.01.08.	21.02.28.	21.04.32.	-	-	-	?	
18	28	"	200	NS	80	4	4,5	I _V	4.07.05.	---	---	---	---	4.47.11.	-	-	-	-	
"	"	"	200	EW	80	4	4,5	"	4.07.05.	---	---	---	---	4.50.00.	-	-	-	-	
19	2	"	200	NS	80	4	4,5	II _V	1.46.08.	---	MES DE ABRIL 1.47.28.	1.47.43.	1.51.34.	1.59.55.	336	2	336	620	
"	"	"	200	EW	80	4	4,5	"	1.46.08.	---	1.47.28.	1.47.50.	1.51.25.	1.59.40.	300	2	300	620	
"	"	"	80	Z	80	4	4,3	"	1.46.08.	---	1.47.27.	1.47.44.	1.49.12.	1.55.20.	125	2	125	612	
20	2	"	200	NS	80	4	4,5	III _V	11.04.56.	---	11.05.36.	11.05.42.	11.09.12.	11.30.15.	142	3	63	765	
"	"	"	200	EW	80	4	4,5	"	11.04.56.	---	11.04.36.	11.05.40.	11.09.10.	11.29.50.	140	3	61	765	El seismógrafo vertical estaba en compensación.
21	6	"	200	NS y EW	80	4	4,5	I _V	---	---	---	3.03.00.	---	---	-	-	-	---	Apenas perceptible.
22	6	"	200	NS y EW	80	4	4,5	I _V	---	---	21.22.10.	---	---	---	-	-	-	---	Apenas perceptible.
23	11	"	200	NS y EW	80	4	4,5	I _V	---	---	---	3.28.30	---	---	-	-	-	---	Apenas perceptible.
24	16	"	200	NS y EW	80	4	4,5	I _V	---	---	4.45.10.	---	---	---	-	-	-	---	Apenas perceptible.
25	20	"	200	NS	80	4	4,5	III _V	5.49.56.	---	5.50.50.	5.51.20.	5.57.00.	6.09.25.	254	3	84	416	
"	"	"	200	EW	80	4	4,5	"	5.49.58.	---	5.50.52.	5.51.22.	5.57.30.	6.10.00.	183	3	61	430	
"	"	"	80	Z	80	4	4,3	"	5.49.56.	---	5.50.51.	5.51.10.	5.54.05.	5.59.50.	157	3	69	409	
26	24	"	200	NS	80	4	4,5	I _V	---	---	---	3.01.02.	---	---	-	-	-	---	No se distinguen otras fases.
27	5	"	200	NS	80	4	4,5	I _V	8.12.18.	---	---	8.15.38.	---	8.29.10.	-	-	-	---	
"	"	"	200	EW	80	4	4,5	"	8.12.18.	---	---	8.15.36.	---	8.28.00.	-	-	-	---	
28	7	"	200	NS	80	4	4,5	I _V	---	---	---	4.45.15.	---	---	-	-	-	---	
29	9	"	200	NS	80	4	4,5	I _V	6.17.30.	---	6.18.28.	6.18.42.	6.19.12.	6.23.45.	33	2	33	460	
"	"	"	200	EW	80	4	4,5	"	6.17.30.	---	6.18.28.	6.18.40.	6.19.10.	6.24.05.	11	2	11	460	
30	"	"	200	NS	80	4	4,5	I _V	7.53.40.	---	7.54.38.	7.54.58.	7.55.58.	7.58.04.	11	2	11	460	Apenas perceptible en la EW.

Número	Fecha	INSTRUMENTO			CONSTANTES			Orientación	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autos	Max.	Comp.	V.	T.	±		P.	S.	L.	M.	C.		μ.	T.	Ag.		
31	12	Wiechert	200	NS	80	4	4,5	III _F	4.49.40.	4.52.00.	4.53.02.	4.53.26.	5.03.00.	5.40.00.	267	6	42	1,166	
"	"	"	200	EW	80	4	4,5	"	4.49.40.	4.52.00.	4.53.04.	4.53.28.	5.04.43.	5.42.50.	501	5	80	1,166	
32	12	"	200	NS	80	4	4,5	I _F	10.44.40.	---	10.48.20.	10.50.25.	10.56.00.	11.06.00.	219	6	23	2,206	
"	"	"	200	EW	80	4	4,5	"	10.44.40.	---	10.48.22.	10.50.30.	10.56.35.	11.08.35.	210	6	20	2,228	
MES DE JULIO.																			
33	1	Wiechert	200	NS	80	4	4,5	I _V	?	---	12.48.56.	12.49.56.	---	12.51.00.	22	2	22	?	
"	"	"	200	EW	80	4	4,5	"	?	---	12.48.56.	12.49.56.	---	12.51.20.	22	2	22	?	
34	27	"	200	NS y EW	80	4	4,5	I _F	---	---	---	5.51.10.	---	---	-	-	-	---	
35	27	"	200	NS	80	4	4,5	I _V	?	---	---	10.39.12.	10.41.15.	10.47.20.	22	2	22	?	
"	"	"	200	EW	80	4	4,5	"	?	---	---	10.39.14.	10.41.14.	10.47.00.	22	2	22	?	
MES DE AGOSTO.																			
36	2	Wiechert	200	NS	80	4	4,5	I _V	15.17.50.	---	15.18.10.	15.18.18.	15.19.38.	15.28.30.	22	2	22	416	
"	"	"	200	EW	80	4	4,5	"	15.17.58.	---	15.18.10.	15.18.16.	15.19.00.	15.27.05.	22	2	22	416	
"	"	"	80	Z	80	4	4,5	"	15.17.48.	---	15.18.09.	15.18.18.	15.20.00.	15.28.35.	11	1	11	408	
37	21	"	200	NS	80	4	4,5	I _V	7.43.06.	---	7.43.57.	7.44.09.	7.45.09.	7.51.12.	123	2	123	408	
"	"	"	200	EW	80	4	4,5	"	7.43.08.	---	7.43.56.	7.44.08.	7.45.05.	7.50.00.	89	2	89	401	
"	"	"	80	Z	80	4	4,5	"	7.43.05.	---	7.43.55.	7.44.06.	7.45.16.	7.48.00.	55	2	55	401	
38	27	"	200	NS	80	4	4,5	I _V	---	---	4.06.05.	4.06.17.	4.06.15.	4.48.20.	11	2	22	---	
39	30	"	200	NS	80	4	4,5	I _F	?	?	22.49.24.	22.51.12.	22.56.10.	?	26	8	1,2	?	
"	"	"	200	EW	80	4	4,5	"	?	?	22.49.22.	22.51.10.	22.56.00.	?	29	8	1,2	?	
40	31	"	200	EW	80	4	4,5	I _V	---	---	---	6.19.06.	---	---	-	-	-	---	Apenas perceptible.
MES DE SEPTIEMBRE																			
41	1	Wiechert	200	NS	80	4	4,5	I _V	---	---	---	22.52.00.	22.52.50.	22.55.30.	11	2	11	---	
"	"	"	200	EW	80	4	4,5	"	---	---	---	22.52.02.	22.53.00.	22.55.05.	11	2	11	---	
42	4	"	200	NS	80	4	4,5	I _F	---	---	---	17.17.06.	17.20.05.	17.26.10.	13	6	2	---	
"	"	"	200	EW	80	4	4,5	"	---	---	---	17.17.06.	17.20.00.	17.30.00.	13	6	2	---	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Asesor	Meta	Comp.	V.	T.	c.		P.	S.	L.	M.	C.		g.	T.	Ag.		
43	8	Wiechert	200	NS	80	4	4,5	I _V	---	---	---	18.25.20.	18.28.10.	18.34.50.	9	4	4	---	
44	11	"	200	EW	80	4	4,5	I _V	---	---	---	13.55.30.	13.57.20.	13.59.55.	22	2	22	---	
45	20	"	200	NS	80	4	4,5	II _d	3.24.40.	---	3.24.49.	3.24.51.	3.25.18.	3.28.00.	24	1	96	67	
"	"	"	200	EW	80	4	4,5	"	3.24.40.	---	3.24.49.	3.24.52.	3.25.20.	3.27.55.	24	1	96	67	
46	29	"	200	NS	80	4	4,5	III _V	21.31.12.	---	21.32.16.	21.32.24.	21.38.00.	21.58.05.	504	2	504	430	
"	"	"	200	EW	80	4	4,5	"	21.31.12.	---	21.32.16.	21.32.23.	21.38.85.	21.58.08.	500	2	500	430	
"	"	"	80	Z	80	4	4,3	"	21.31.18.	---	21.32.18.	21.32.25.	21.38.30.	21.50.00.	285	2	285	430	
47	29	"	200	NS	80	4	4,5	I _V	---	---	---	22.09.30.	22.11.00.	22.15.00.	11	2	11	---	
"	"	"	200	EW	80	4	4,5	"	---	---	---	22.09.30.	22.11.05.	22.14.55.	11	2	11	---	
MES DE OCTUBRE.																			
48	11	"	200	NS	80	4	4,5	I _F	14.57.12.	---	---	---	---	?	-	-	-	---	
"	"	"	200	EW	80	4	4,5	"	14.57.12.	---	15.04.48.	15.06.48.	15.23.18.	?	119	16	2	5,810	
49	13	"	200	EW	80	4	6,5	I _V	---	---	---	18.30.02.	---	---	-	-	-	---	
50	26	"	200	NS	80	4	4,5	I _V	14.47.00.	---	14.48.04.	14.48.24.	14.49.32.	14.51.52.	33	2	33	503	
"	"	"	200	EW	80	4	4,5	"	14.47.00.	---	14.48.05.	14.48.25.	14.49.30.	14.50.55.	16	2	16	503	
MES DE NOVIEMBRE.																			
51	7	"	200	NS	80	4	4,5	I _u	23.09.12.	---	---	23.29.34.	---	---	190	20	1,5	---	
"	"	"	200	EW	80	4	4,5	"	23.09.12.	23.18.58.	23.24.36.	23.29.36.	23.46.00.	?	190	20	1,3	6,060	
52	11	"	200	NS	80	4	4,5	I _u	19.18.20.	---	---	---	---	19.53.35.	-	-	-	---	
"	"	"	200	EW	80	4	4,5	"	19.18.20.	---	---	---	---	19.18.00.	-	-	-	---	
53	"	"	200	NS	80	4	4,5	III _u	4.42.02.	4.49.40.	4.54.06.	5.00.45.	5.25.30.	6.58.45.	1520	20	14	6,128	Tembler de Chile.
"	"	"	200	EW	80	4	4,5	"	4.42.02.	4.49.42.	4.54.08.	5.00.48.	5.28.48.	7.58.50.	2270	20	28	6,133	
"	"	"	80	Z	80	4	4,5	"	4.42.02.	4.49.39.	4.54.05.	5.00.40.	5.20.50.	6.28.30.	2772	16	31	6,128	
54	18	"	200	EW	80	4	4,5	I _V	---	---	---	10.46.05.	---	---	-	-	-	---	
55	20	"	200	NS	80	4	4,5	II _V	22.04.40.	---	22.05.24.	22.05.32.	22.07.52.	22.12.50.	122	2	122	358	
"	"	"	200	EW	80	4	4,5	"	22.04.40.	---	22.05.24.	22.05.33.	22.07.55.	22.12.45.	122	2	122	358	
"	"	"	80	Z	80	4	4,3	"	22.04.38.	---	22.05.22.	22.05.32.	22.06.50.	22.09.55.	91	2	91	350	
56	30	"	200	NS	80	4	4,5	III _V	2.51.56.	---	2.52.42.	2.53.02.	2.54.58.	2.59.45.	313	2	313	374	
"	"	"	200	EW	80	4	4,5	"	2.51.56.	---	2.52.44.	2.53.04.	2.55.06.	2.59.35.	300	2	300	387	
"	"	"	80	Z	80	4	4,3	"	2.51.55.	---	2.52.43.	2.53.00.	2.54.00.	2.58.05.	91	2	91	374	