

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

SISMOLOGICA MEXICANA

DURANTE EL AÑO DE 1923



TACUBAYA, D. F. MEXICO

IMPRENTA DE LA DIRECCION DE ESTUDIOS GEOGRAFICOS Y CLIMATOLOGICOS

1926

SERVICIO SISMOLOGICO NACIONAL

ESTADOS UNIDOS MEXICANOS

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

Sismologista 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—plesiosismo—temblor vecino, cercano o menos de 1000 kilómetros.

r—Terræ motus remotus—telesismo—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.
P S—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.
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.

Estación Sismológica Central

TACUBAYA, D. F.

COORDENADAS: Latitud N., $19^{\circ}24'18''$. Longitud, $99^{\circ}11'37''$. W. de Greenwich.
a 2,320 mts.

DOTACION DE INSTRUMENTOS

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

Sismógrafos 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 Sismologista *Ing. F. Patiño Ordaz.*

Segundo Sismologista, *Ulises Ocampo Rubio.*

Mozo, *Mariano Gutiérrez.*

Número	Fecha	INSTRUMENTO			CONSTANTES			Cálculo	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Marca	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
1	4	Wiechert	17000	NS	2000	1.5	2.5	II _v	22.51.41	---	22.52.19	22.52.38	22.53.38	22.57.11	4.0	1	16.12	314	
1	4	"	17000	EW	2000	1.5	2.6	II _v	22.52.17	---	22.52.17	22.52.37	22.54.09	22.56.11	3.9	1	15.84	292	
2	4	"	17000	NS	2000	1.5	2.5	III _v	23.32.16	---	23.32.53	23.33.06	23.34.32	23.48.00	14.1	1	56.44	300	M ₂ 22.53.04.
2	4	"	17000	EW	2000	1.5	2.6	III _v	23.32.18	---	23.32.53	23.33.10	23.34.20	23.47.20	15.5	1	62.16	292	Guerrero Acapulco?
3	9	"	17000	NS	2000	1.5	2.5	II _v	18.32.10	---	18.39.20	18.39.42	18.40.58	18.43.27	2.6	1	10.76	547	
3	9	"	17000	EW	2000	1.5	2.6	II _v	18.32.10	---	18.39.21	18.39.51	18.41.02	?	2.5	1	10.02	554	
4	10	"	17000	NS	2000	1.5	2.5	II _v	5.55.45	---	5.56.56	5.57.03	5.57.45	5.59.28	1.6	1	6.72	554	Probablemente del mismo origen que
4	10	"	17000	EW	2000	1.5	2.6	II _v	5.55.45	---	5.56.56	5.57.05	5.57.41	5.59.30	2.5	1	10.16	554	el temblor anterior.
5	10	"	17000	NS	2000	1.5	2.6	II _v	14.02.45	---	14.03.20	14.03.32	14.04.08	14.05.44	2.0	1	8.08	292	Acapulco?
5	10	"	17000	EW	2000	1.5	2.6	II _v	14.02.45	---	14.03.22	14.03.32	14.03.57	14.05.38	2.3	1	9.48	300	
6	11	"	17000	NS	2000	1.5	2.5	II _v	20.01.40	---	20.02.51	20.03.16	20.04.09	20.08.50	5.3	2	5.33	554	M ₂ 20.02.37 T=2 A=12. u=6.47 g=6.47
6	11	"	17000	SW	2000	1.5	2.6	II _v	20.01.39	---	20.02.51	20.03.11	20.3.57	20.08.30	8.7	2	8.77	561	M ₂ 20.03.22 T=2 A=22. u 12.06 g 12.06
7	17	"	17000	NS	2000	1.5	2.5	I _r	8.44.54	---	8.51.25	8.52.28	8.59.47	?	14.1	5.5	1.87	2992	P.muy incierto M ₂ 8.53.12 T=5.5 u =
7	17	"	17000	EW	2000	1.5	2.6	I _r	8.44.57	---	8.51.23	8.52.31	8.57.23	9.02.23	15.7	5.5	2.80	2976	15.01 g 1.98.
8	20	"	17000	NS	2000	1.5	2.5	I _r	0.16.30	0.18.24	0.18.33	Incierto.	0.19.25	0.21.31	---	---	---	1060	P. muy incierto.
8	20	"	17000	EW	2000	1.5	2.6	I _r	0.16.32	0.18.27	0.18.39	"	0.19.23	0.2.56	---	---	---	1070	" "
9	20	"	17000	NS	2000	1.5	2.5	I _v	6.41.53	---	6.42.41	Mal defini-	6.44.05	6.45.27	---	---	---	387	
9	20	"	17000	EW	2000	---	2.6	I _v	6.41.53	---	6.42.41	da.	6.42.50?	6.44.11	1.6	1	6.76	387	
10	22	"	17000	NS	2000	---	2.5	III _r	9.11.06	9.16.08	9.20.26	9.24.53	9.31.13	?	5.1	9	25	---	
10	22	"	17000	EW	2000	---	2.6	III _r	9.11.06	9.16.08	9.20.22	9.23.03	9.30.43	10.46.00	492	9	24	3240	M ₂ 9.23.42? T 345 g 22.
10	22	"	1200	NS	---	---	---	III _r	9.11.06	9.16.06	9.20.03	9.25.54	9.31.03	10.46.00	249	9	12	3240	
10	22	"	1200	EW	---	---	---	III _r	9.11.06	9.16.06?	9.20.09	9.22.33	9.27.06	10.50.00	264	9	13	3240	M 9.23.18.
10	22	"	10	NS	15	---	---	III _r	9.11.06	9.16.08	9.19.45	9.22.03	9.27.46	9.54.25	312	18	11	---	P.muy incierto.
10	22	"	10	EW	15	---	---	III _r	9.11.06	9.16.10	9.19.47	9.21.12	9.27.37	10.03.25	854	24	6	---	
11	23	Wiechert	17000	NS	2000	1.5	2.5	II _v	7.06.08	---	7.06.24	7.06.34	7.07.59	7.10.29	4	1	16.12	154	M ₂ 7.06.51-M ₃ 7.07.05 T=1. u=4.37 g
11	23	"	17000	EW	2000	1.5	2.6	II _v	7.06.08	---	7.06.24	7.06.35	7.07.58	7.10.27	4.7	1	19.92	154	17.42 T=1 u=4.03 16.12.
12	24	"	17000	NS	2000	1.5	2.5	II _v	21.50.46	---	21.52.00	21.52.34	21.53.32	21.56.22	2.1	1.5	4	561	M ₂ 7.06.50 M ₃ 7.07.14 T=1 u=6.76 g
12	24	"	17000	EW	2000	1.5	2.6	II _v	21.50.46	---	21.51.59	21.52.29	21.53.20	21.58.40	2.2	1.5	4	554	27.04 T=1 u=5.07 g=21.20.
13	25	"	17000	NS	2000	1.5	2.5	III _v	14.23.30	---	14.25.14	14.26.56	14.29.23	14.34.10	11	1	44	794	P.muy incierto. Máximas mal definidas.
13	25	"	17000	EW	2000	1.5	2.6	III _v	14.23.30	---	14.25.15	14.25.50	14.27.20	14.34.06	11.7	1	46.02	501	M ₂ 14.27.13 T=1 A=34 u=11 g=44.
14	25	"	17000	NS	2000	1.5	2.5	I _v	19.37.39?	---	19.38.55	19.39.28	19.40.12	19.42.17	0.8	1	3.20	576	M ₂ 14.26.20 T=1 A=37 u=12.5 g=50.0.
14	25	"	17000	EW	2000	1.5	2.6	I _v	19.37.42	---	19.38.54	19.39.18	19.40.09	19.42.55	1.7	1	7.47	561	
15	26	"	17000	NS	2000	1.5	2.5	III _v	20.19.30	---	20.20.05	20.20.20	20.21.14	20.24.30	10.8	1	43	292	
15	26	"	17000	EW	2000	1.5	2.6	III _v	20.19.30	---	20.20.06	20.20.18	20.21.18	20.24.50	10.1	1	40.56	300	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		S.	T.	Ag.		
16	27	Wiechert	17000	N.S.	2000	1.5	2.5	III _v	0.52.09	----	0.52.49	20.53.04	0.53.39	0.57.19	9.1	1	36.28	314	
16	27	"	17000	E.W.	2000	1.5	2.6	III _v	0.52.09	----	0.52.47	0.52.53	0.53.28	0.58.00	18.2	1	72.64	314	
17	27	"	17000	N.S.	2000	1.5	2.5	II _r	8.00.34	----	8.04.07	8.04.57	8.09.24	8.24.34	28.1	9	1.39	1875	
17	27	"	17000	E.W.	2000	1.5	2.6	II _r	8.00.33	----	8.04.08	8.04.49	8.09.11	8.25.36	3.1	10	1.22		
18	30	"	17000	N.S.	2000	1.5	2.5	I _v	12.59.07	----	12.59.43	12.59.52	13.00.26	13.01.36	0.5	1.5	1	292	
18	30	"	17000	E.W.	2000	1.5	2.6	I _v	12.59.06	----	12.59.40	12.59.44	13.00.09	13.01.30	1.3	1.5	2	285	
19	31	"	17000	N.S.	2000	1.5	2.5	I _v	9.52.18	----	9.53.24	9.53.46	9.54.33	9.58.00	0.56	1.5	1	518	
19	31	"	17000	E.W.	2000	1.5	2.6	I _v	9.52.18	----	9.53.23	9.53.46	9.54.16	9.57.38	1.30	1.5	2	511	
20	31	"	17000	N.S.	2000	1.5	2.5	I _v	16.57.24	----	16.59.04	16.59.31	17.00.25	17.02.50	1.05	2	1.08	800	
20	31	"	17000	E.W.	2000	1.5	2.6	I _v	16.57.22	----	16.59.03	16.59.29	17.00.27	17.02.37	1.37	2	1.37	772	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Auter	Masa	Comp.	V.	T.	a.		P.	S.	L.	M.	C.		μ	T.	Ag.		
21	19	Wiech.	17000	N-S	2000	1.5	2:5	I	18.23.27.		18.24.34.	?	18.26.28.	18.30.10.				525	P. gradual.
"	"	"	17000	E-W	2000	"	2:6	"	18.23.25.		18.24.33.	18.25.00.	18.26.00	18.30.50	4.04	2	4.04	532	" "
22	2	"	17000	N-S	2000	1.5	2:5	I	1.19.06.	1.29.06.								8750	
"	"	"	17000	E-W	2000	"	2:6	"	1.19.05.	1.29.03.								8750	
23	2	"	17000	N-S	2000	1.5	2:5	I	5.19.57.	5.30.01.	5.34.45.							8880	
"	"	"	17000	E-W	2000	"	2:6	"	5.20.00.	5.29.57.	5.42.07.	5.51.20			347.6	28	0.44	8740	
"	"	"	1200	N-S	250	6	2:8	"	5.19.57.	5.29.57	5.42.38.	5.55.29.	6.11.58.	?	41.28	10	0.41	8740	
"	"	"	1200	E-W	250	"	2:3	"	5.20.00.	5.29.57.	5.42.45.	5.52.30.	6.10.30		45.56	21	0.42		
24	3	"	17000	N-S	2000	1.5	2:5	III	16.14.12.	16.24.18.	16.36.27	16.49.41.			1125	22	9.29		M ₂ 16.53.48. T = 20 A = 12.
"	"	"	17000	E-W	2000	"	2:6	"	16.14.13.	16.24.21.	16.37.25.	16.45.48.			3973	23	29		M ₂ 16.48.24. T = 20 A = 32.
"	"	"	1200	N-S	260	6	2:8	"	16.14.12.	16.24.18.	16.38.57.	16.47.27.		17.27.15	591.20	18	7.31		M ₂ 16.50.33. T = 15 A = 22.5
"	"	"	1200	E-W	250	"	2:3	"	16.14.12.	16.24.18.	16.37.21.	16.45.51.	16.48.06.	17.11.06	8020	21	18		
"	"	B.Omb.	10	N-S	15	30		"	16.14.15.	16.24.21.	16.39.06.	16.43.42.	17.21.36.	?	1610	23	12		
"	"	"	10	E-W	15	31		"	16.14.13.	16.24.18.	16.39.00.	16.42.36.			2398	23	18		
"	"	Wiech.	1300	Z	160	4	3:5	"	16.14.19.	16.2 .28.	16.37.55.	16.45.52.	17.28.55.	18.28.55.	1681	21.	15		
25	6	"	17000	N-S	2000	1.5	2:5	II	21.10.44.		21.11.24.	21.11.42.	21.12.16.	21.14.12.	3.70	1	14.8	329	
"	"	"	17000	E-W	2000	"	2:6	"	21.10.44.		21.11.24.	21.11.39.	21.12.21.	21.16.30.	4.01	1	16	329	
26	8	"	17000	N-S	2000	1.5	2:5	III	0.34.09.										
"	"	"	17000	E-W	2000	"	2:6	"	0.34.09.										
"	"	"	1200	N-S	250	6	2:8	"	0.34.09.		0.34.24.								
"	"	"	1200	E-W	250	"	2:8	"	0.34.09.		0.34.24.								
"	"	"	125	N-S	40	5	3:5	"	0.34.11.		0.34.27.								
"	"	"	125	E-W	40	"	"	"	0.34.11.		0.34.26.	0.34.50.	0.40.00.	0.51.00		?			
"	"	B. Omb.	10	N-S	15	30		"	0.34.12.		0.34.27.	0.35.03?	0.39.33.	1.09.00.		?			
"	"	"	10.	E-W	15	31		"	0.34.08.		0.34.23.	0.35.05.	0.38.35.	?		?			
"	"	Wiech.	1300	Z	160	4	3:5	"	0.34.09.		0.34.26.	0.34.40.				3			
"	"	"	80	Z	80	4	4	"	0.34.09.		0.34.25.	0.34.58	0.38.04	?		3			
27	8	"	17000	N-S	2000	1.5	2:5	III	14.11.58.										
"	"	"	17000	E-W	2000	"	2:6	"	14.11.59.										
"	"	"	1200	N-S	260	6	2:8	"	14.11.59.		14.12.56.	14.13.14.	14.14.20.	14.29.28.	24430	3	108.6	431	
"	"	"	1200	E-W	250	"	2:3	"	14.12.02.		14.12.59.	14.13.21.	14.15.39.	14.30.39?	18666	3	82	431	
"	"	"	125	NE-SW	185			"	14.11.59.		14.12.55.	14.13.09.	14.15.27.	14.21.50.				445	P. muy incierto.
"	"	"	125	SE-NE	185			"	14.11.59?		14.12.55.	14.13.03.	14.15.47.	14.21.35.				445	" " "

Número	Fecha	Instrumento		CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Autor	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		H.	T.	Ag.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
27	8	B. Omo	10	N-S	15	30		I _v	14.11.59.		14.12.13.		14.15.04.	14.25.40.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

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.	Ag.		
41	20	Wiech.	17000	N-S	2000	1.5	2:5	III _v	19.06.38.		19.07.26.	19.07.39	19.10.40		26.95	2	26.95	387	
"	"	"	17000	E-W	2000	"	2:6	"	19.06.39		19.07.25.	19.07.33.	19.10.26	19.27.26	27.40	2	27.40	372	
"	"	"	1200	N-S	260	6	2:8	"	19.06.38?		19.07.26.	19.08.02.	19.11.07.	?	91.4	3	40.36	387	
"	"	"	1200	E-W	250	"	2:5	"	19.06.41.		19.07.29.	19.08.14.	19.10.32.	19.26.32	32.42	3	35.7	387	
"	"	"	1300	Z	160	4	3:5	"	19.06.38.		19.07.26.	19.07.41.	19.08.56.	?	49.62	3	21.6	387	
42	21	"	17000	N-S	2000	1.5	2:5	III _v	12.49.46.		12.50.24.	12.50.29.	12.52.23.	12.55.11.	13.46	17	73.92	300	
"	"	"	17000	E-W	2000	"	2:6	"	12.49.46.		12.50.24.	12.50.29.	12.51.37.	12.55.25.	19.27	1	77.08	300	
"	"	"	1200	N-S	260	6	2:8	II _v	12.49.52.		12.50.28.	12.50.34.	12.51.22.	?	14.67	2	9.8	300	
"	"	"	1200	E-W	250	"	2:5	"	12.49.52.		12.50.31.	12.51.26.		12.56.26.	19.02	3	12.6		
"	"	"	1300	Z	160	4	3:5	I _v	12.49.49.		12.50.15.	12.50.43.	12.51.28.	?	24.31	3	10.8		
43	22	"	17000	N-S	2000	1.5	2:5	II _v	3.38.38.		3.29.13.	3.39.23.	3.39.53.	3.42.54.	5.39	1	21.56	292	e 3.38.34.
"	"	"	17000	E-W	2000	"	2:6	"	3.38.39.		3.39.14.	3.39.27.	3.40.03.	3.42.28.	5.75	1	23.00	300	e 3.38.34.
44	22	"	17000	N-S	2000	1.5	2:5	I _v	?		16.06.44.	16.06.53.	16.07.25.	16.08.30.	1.75	1	7.00	356	Microseismo.
"	22	"	17000	E-W	2000	"	2:6	"	16.06.02.		16.06.46.	16.06.53.	16.07.13.	16.08.37.	1.01	1	4.04	358	
45	23	"	17000	N-S	2000	1.5	2:5	I _r	6.11.14.	6.14.33.								1960	
"	"	"	17000	E-W	2000	"	2:6	"	6.11.15.	6.14.37.								1980	
46	23	"	17000	N-S	2000	1.5	2:5	I _v	12.56.31.		12.57.28		12.58.06.	12.59.00.				452	Microseismo. Máxima incierta.
"	"	"	17000	E-W	2000	"	2:6	"	12.57.01		12.57.37.		12.58.22.	12.59.30.				445	" " "
47	24	"	17000	N-S	2000	1.5	2:5	I _u	7.46.42.	7.56.37.	8.08.51.	8.19.42.	8.31.28.	?	176.34	20	1.77	8700	
"	"	"	17000	E-W	2000	"	2:6	"	7.46.41.	7.56.39.	8.08.03.	8.18.26.	8.33.31.	?	230.00	20	2.3	8760	
"	"	"	1200	N-S	260	6	2:8	"	7.46.40.	7.56.34.	8.08.40.	8.19.46.	8.36.52.	?	55.25	18	0.69	8760	
"	"	"	1200	E-W	250	"	2:5	"	7.46.40.	7.56.37.	8.08.22.	8.18.28.	8.34.48.	?	58.71	18	0.72		M ₂ 6.19.28.
"	"	"	1500	Z	160	4	3:5	"	7.46.11?			8.23.01?							
48	24	"	17000	N-S	2000	1.5	2:5	III _v	11.19.06.		11.19.41.	11.19.50.	11.21.15.	11.23.34.	19.16	1	76.60	300	
"	"	"	17000	E-W	2000	"	2:6	"	11.19.06.		11.19.41.	11.19.47.	11.20.56.	11.23.56.	17.91	1	71.64	292	
"	"	"	1200	N-S	260	6	2:8	II _v	11.19.05.		11.19.41.	11.19.48.	11.20.32.	11.24.18.	21.54	3	9.87	300	
"	"	"	1200	E-W	250	"	2:5	"	11.19.10?		11.19.43.	11.19.51.	11.20.36	11.24.50.	15.86	3	10.57	292	
"	"	"	1300	Z	160	4	3:5	"	11.19.07.		11.19.42.	11.19.48.	11.20.27.	11.22.27.				300	Máxima mal definida.
49	24	"	17000	N-S	2000	1.5	2:5	II _d	16.24.59.		16.25.01.	16.25.02.	16.25.06.	16.25.20.	2.390	0.5	134	15	
"	"	"	17000	E-W	2000	"	2:6	"	16.24.59.		16.25.02.	16.25.03.	16.25.07.	16.25.20.	10.58	0.5	189	15	

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Modelo	Comp.	V.	T.	s.		P.	R.	L.	M.	C.		μ.	T.	Δg.		
50	24	Wisch.	17000	N-S	2000	1.5	2:5	III _v	16.30.56.		16.31.31.	16.31.36.	16.32.11.	16.35.26.	5.22	1	20.88	292	
"	"	"	17000	E-W	2000	"	2:6	"	16.30.56.		16.31.32.	16.32.34.	16.33.06.	16.35.26.	7.10	1	26.40	300	
51	26	"	17000	N-S	2000	1.5	2:5	III _v	10.38.14.		10.38.49.	10.39.04.	10.40.11.	10.44.50.	11.43	1	45.72	292	
"	"	"	17000	E-W	2000	"	2:6	"	10.38.14.		10.38.48.	10.38.55.	10.40.07.	10.44.32.	20.28	1	21.12	285	
52	26	"	17000	N-S	2000	1.5	2:5	II _v	13.52.04.		13.52.39.	13.53.10.	13.53.43.	13.55.30	4.05	1	16.12	292	
"	"	"	17000	E-W	2000	"	2:6	"	13.52.03.		13.52.38.	13.52.59.	13.53.27.	13.55.28.	4.39	1	17.56	292	
53	26	"	17000	N-S	2000	1.5	2:5	II _v	14.18.26.		14.19.02.	14.19.16.	14.19.47.	14.21.52.	2.35	1	9.40	300	
"	"	"	17000	E-W	2000	"	2:6	"	14.18.27.		14.19.02.	14.19.06.	14.19.30.	14.21.30.	4.06	1	66.24	292	
54	"	"	17000	N-S	2000	1.5	2:5	III _v	20.33.31 ¹		20.34.46 ¹	20.36.20.	20.39.52.	21.12.56.	16.95	5	3.03	553	
"	"	"	17000	E-W	2000	"	2:6	"	20.33.28.		20.34.44.	20.35.59.	20.45.08.	21.12.05	11.94	5	1.91	590	
"	"	"	1200	N-S	260	6	2:8	"	20.33.23 ¹		20.34.40 ¹	20.36.01.	20.39.21.	21.14.25.	54.56	6	606	561	
"	"	"	1200	E-W	250	"	2:5	"	20.33.28.		20.34.43.	20.35.13.	20.38.01.	21.09.13.	70.0	6	7.7	583	
55	27	"	17000	N-S	2000	1.5	2:5	III _v	6.44.42.		6.45.21.	6.45.32.	6.46.47.	6.52.48.	20.18	2	30.16	343	e 6.44.39.
"	"	"	17000	E-W	2000	"	2:6	"	6.44.42.		6.45.25.	6.45.47.	6.47.05.	6.53.48.	24.11	2	24.11	350	e 6.44.35.
"	"	"	1200	N-S	260	6	2:8	II _v	6.44.43.		6.45.23.	6.45.58.	6.47.13.	6.54.47.	23.20	6	10.57	343	
"	"	"	1200	E-W	250	"	2:5	"	6.44.40.		6.45.23.	6.45.53.	6.46.56.	6.54.20.	17.44	6	7.73	350	

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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.	Δg		
56	2	Wiech.	17000	N-S	2000	1.5	2:5	I _u	17.10.34.		17.48.45?								P. muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	17.10.32.		17.48.46.								" " "
57	3	"	17000	N-S	2000	1.5	2:5	II _d	17.23.39.		17.23.41.	17.23.41.	17.23.47.	17.23.50.	2.79	0.5	4.47	15	
"	"	"	17000	E-W	2000	"	2:6	"	17.23.39.		17.23.41.	17.23.41.	17.23.45.	17.23.49.	4	0.5	64	15	
58	3	"	17000	N-S	2000	1.5	2:5	II _d	"		17.23.50.	17.23.50.	17.23.55.	17.24.10.	1.58	0.5	25.28	15	
"	"	"	17000	E-W	2000	"	2:6	"	"		17.23.51.	17.23.51.	17.23.54.	17.24.05.	2.03	0.5	32.48	15	
59	3	"	17000	N-S	2000	1.5	2:5	III _d	17.24.11.		17.24.13.	17.24.13.	17.24.20.	17.24.32.	7.43	0.5			
"	"	"	17000	E-W	2000	"	2:6	"	17.24.12.		17.24.14.	17.24.14.	17.24.18.	17.24.38.	9.75	0.5			
60	4	"	17000	N-S	2000	1.5	2:5	III _v	22.18.20.		22.18.59.	22.19.41.	22.21.05.	22.25.20.	17.25	2	17.25	322	+ 22.18.11.
"	"	"	17000	E-W	2000	"	2:6	"	22.18.21.		22.19.01.	22.19.20.	22.20.32.	22.25.02.	27.57	2	27.67		+ 22.18.11.
61	6	"	17000	N-S	2000	1.5	2:5	II _v	0.46.37.		0.47.12.	0.47.15.	0.47.51.	0.48.56.	2.39	1	9.56	292	
"	"	"	17000	E-W	2000	"	2:6	"	0.46.38.		0.47.12.	0.47.19.	0.47.55.	0.49.20.	4.20	1	16.82	285	
62	9	"	17000	N-S	2000	1.5	2:5	I _v	0.42.53.		0.43.26.		0.43.42.	0.44.50.				290	P. gradual, muy incierto. Máxima incierta.
"	"	"	17000	E-W	2000	"	2:6	"	0.42.53.		0.43.26?		0.43.52.	0.44.52.				280	P. gradual, muy incierto. Máxima incierta.
63	9	"	17000	N-S	2000	1.5	2:5	III _d	6.15.47.		6.15.49.	6.15.49.	6.15.53.	6.16.10.	6.30	0.5?	160	15	P incierto
"	"	"	17000	E-W	2000	"	2:6	"	6.15.47.		6.15.49.	6.15.49.	6.15.55.	6.16.13.	2.70	0.5?	43	15	
64	11	"	17000	N-S	2000	1.5	2:5	I _v	12.03.10.		12.03.44.	12.03.50.	12.04.24.	12.05.24.	1.01	1	4.04	285	P. dudoso. Microseísmo.
"	"	"	17000	E-W	2000	"	2:6	"	12.03.08.		12.03.43.	12.03.46.	12.04.07.	12.04.18.	0.84	1	3.36	292	" "
65	12	"	17000	N-S	2000	1.5	2:5	I _v	23.07.57.		23.01.55.	23.02.00.	23.02.26.	23.04.50.	1.01	1	4.04	460	Microseísmo. P. muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	23.07.57?		23.01.55?	23.02.01.	23.02.28.	23.04.36.	1.35	1	4.40	460	" " " "
66	14	"	17000	N-S	2000	1.5	2:5	II _v	0.57.38?		0.58.19.	0.58.43.	0.59.09.	?	7.54	2	7.54	336	P. gradual, incierto.
"	"	"	17000	E-W	2000	"	2:6	"	0.57.36?		0.58.19.	0.58.36.	0.59.03.	?	10.41	2	10.41	351?	" " "
67	19	"	17000	N-S	2000	1.5	2:5	I _r	11.12.00.	11.21.52.	11.22.57.	11.27.15.	11.40.15.	?	8.28	8	0.52	2340?	
"	"	"	17000	E-W	2000	"	2:6	"	11.12.00.	11.21.52.	11.22.53.	11.26.28.	11.38.28.	?	11.05	8	0.69	2340?	
68	22	"	17000	N-S	2000	1.5	2:5	I _r	?		4.37.36.	4.38.19.	4.41.09.	4.47.56.	2.67	5	0.41		
"	"	"	17000	E-W	2000	"	2:6	"	?		4.37.39.	4.38.26.	4.41.07.	4.48.21.	4.12	5	0.66		

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mass	Comp.	V.	T.	c.		P.	S.	L.	M.	C.		μ.	T.	sg.		
69	22	Wiech.	17000	N-S	2000	1.5	2:5	I _v	5.09.33.		5.10.17.		5.10.36.	5.11.24.				358	Microseismo. Máxima mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	5.09.32.		5.10.15.		5.10.34.	5.11.20.				351	
70	23	"	17000	N-S	2000	1.5	2:5	I _v	2.46.01		2.46.45.	2.46.51.	2.47.16.	2.48.30.	1.85	1	7.40	358	Del mismo origen que el temblor anterior.
"	"	"	17000	E-W	2000	"	2:6	"	2.46.00		2.46.44.	2.46.59.	2.47.20.	2.48.36.	0.67	1	2.68	358	
71	30	"	17000	N-S	2000	1.5	2:5	II _v	10.57.24.		10.58.08.	10.58.20.	10.58.54.	11.02.14.	3.64	1.5	6.44	358	
"	"	"	17000	E-W	2000	"	2:6	"	10.57.24.		10.58.07.	10.58.25.	10.59.00.	11.02.30.	4.70	1	16.80	351	
72	31	"	17000	N-S	2000	1.5	2:5	I _v	13.31.43.		13.32.35.		13.33.16.	13.34.30.				416	Máxima incierta.
"	"	"	17000	E-W	2000	"	2:6	"	13.31.43.		13.32.35.		13.33.06.	13.34.26				416	

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	c.		P.	S.	L.	M.	C.		μ.	T.	Δg.		
73	19	Wiech.	17000	N-S	2000	1.5	2:5	I _v	13.55.16.		13.55.57.	13.56.15.	13.56.43.	13.58.50.	1.54	1.5	2.73	326	P. muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	13.55.16.		13.55.58.	13.56.06.	13.56.36.	13.58.26.	5.40	1	21.63	343	
74	4	"	17000	N-S	2000	1.5	2:5	III _v	12.36.52.		12.37.50.	12.38.13.	12.38.36.	12.42.50.	6.05	1	24.20	460	
"	"	"	17000	E-W	2000	"	2:6	"	12.36.52.		12.37.51.	12.37.56.	12.38.04.	12.43.22.	15.21	1	50.84	467	
75	13	"	17000	N-S	2000	1.5	2:5	I _u	15.42.59.	15.52.59.	16.12.29.							9780	M ₂ 16.22.55. u=13.14 g=0.17 M ₂ 16.17.45. T=18 A=1 u=32.6 g=0.4
"	"	"	17000	E-W	2000	"	2:6	"	15.42.56.	15.52.57.	16.12.29.	16.18.07.			194.66	20	1.95		
"	"	"	1200	N-S	250	6	2:8	"	15.42.58.	15.52.55.	16.07.25.	16.19.58.			16.42	18	02		
"	"	"	1200	E-W	250	"	2:3	"	15.42.56	15.52.54.	16.08.48.	16.14.51.	16.31.33.		34.25	21	0.31		
76	19	"	17000	N-S	2000	1.5	2:5	I _v	23.53.34.		23.54.04.	23.54.27.	23.54.47.	23.56.00	3.23	2	3.23		Microseísmo. P. incierto. M. muy incierta.
"	"	"	17000	E-W	2000	"	2:6	"	23.53.34.		23.54.05.	23.54.16	23.54.36.	23.55.36.	1.37	2	1.37		
77	20	"	17000	N-S	2000	1.5	2:5	III _v	16.53.00.		16.53.51.	16.54.10.	16.56.05.	17.01.20.	5.21	1	20.84	409	M ₂ 16.54.50. T=2 A=18 u=9.70 g=2.70 M ₂ 16.54.28. T=1 A=20.5 u=6.93 g=2.72 M ₂ 16.55.07. T=4 A=3.5 u=11.08 g=2.76.
"	"	"	17000	E-W	2000	"	2:6	"	16.53.01.		16.53.52.	16.54.05.	16.56.54.	17.01.34.	5.24	1	20.96	409	
"	"	"	1200	N-S	250	6	2:8	II _v	16.53.03.		16.53.55.	16.54.28.	16.56.04.	?	8.15	3	3.62	416	
"	"	"	1200	E-W	250	"	2:3	"	16.53.03.		16.53.53.	16.54.33.	16.57.22.	17.03.58.	4.57	4	1.14	402	
78	22	"	17000	N-S	2000	1.5	2:5	III _u	1.13.49.		1.13.52.	1.13.53.	1.13.59.	1.14.16.	5.40	0.5	66	22	P. muy dudoso.
"	"	"	17000	E-W	2000	"	2:6	"	1.13.49.		1.13.51.5	1.13.53.	1.14.01.	1.14.21.	5.29	0.5	64	19	
79	23	"	17000	N-S	2000	1.5	2:5	II _v	14.34.45.		14.35.31.	14.35.42.	14.36.18.	14.36.12.	1.27	1	9.08	372	
"	"	"	17000	E-W	2000	"	2:6	"	14.35.41.		14.35.29.	14.35.36.	14.36.08.	14.36.25.	3.15	2	3.15	387	
80	23	"	17000	N-S	2000	1.5	2:5	I _v	?		22.54.20.		22.54.45.	22.55.45.				234	Máxima incierta. Microseísmo, registrado en medio de una agitación pendular.
"	"	"	17000	E-W	2000	"	2:6	"	22.54.22.		22.54.22.	22.54.29.	22.54.49.	22.55.49	0.51.	1	2.04		
81	24	"	17000	N-S	2000	1.5	2:5	II _v	4.03.49.		4.04.17.	4.04.30.	4.05.14.	4.06.54.	2.44	1	976	242	Registrado dentro de una agitación pendular.
"	"	"	17000	E-W	2000	"	2:6	"	4.03.46.		4.04.14	4.04.22.	4.05.06.	4.07.46.	2.54	1	10.16	242	
82	26	"	17000	N-S	2000	1.5	2:5	I _v	3.02.47.		3.03.18.		3.03.34.	3.04.24.				264	Máxima incierta.
"	"	"	17000	E-W	2000	"	2:6	"	3.02.47.		3.03.18.		3.03.36.	3.04.16.				264	
83	26	"	17000	N-S	2000	1.5	2:5	I _v	5.37.17.		5.37.49.	5.37.56.	5.38.16.	5.39.04.	0.34	1	1.36	271	
"	"	"	17000	E-W	2000	"	2:6	"	5.37.16.		5.37.47.	5.37.52.	5.38.12.	5.38.52.	0.35	1	1.40	284	
84	27	"	17000	N-S	2000	1.5	2:5	I _r	?	6.40.48.	6.41.40.	6.42.58.							
"	"	"	17000	E-W	2000	"	2:6	"	?	6.40.46.	6.41.37.	6.43.04.							

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Ampl.	Masa	Comp.	V.	T ₀	c.		P.	S.	L.	M.	C.		u.	T.	Δ		
88	1 ^o	Wienh.	17000	N-S	2000	1.5	2:5	I _v	16.57.42	16.59.18?	16.59.23	16.59.28		17.00.34	0.98	1.5	1.74	890?	
"	"	"	17000	E-W	2000	"	2:6	"	16.57.40		16.59.24		16.59.29	?				890?	A. Incierta.
89	1 ^o	"	17000	N-S	2000	1.5	2:5	I _v	17.36.12		17.37.54	17.38.13	17.39.39	17.42.22	6.28	4	1.48	797	
"	"	"	17000	E-W	2000	"	2:6	"	17.36.12		17.37.54		17.39.19	17.42.25				797	A. Incierta.
90	2	"	17000	N-S	2000	1.5	2:5	II _v	11.49.22		11.50.20	11.50.25	11.51.26		1.51	1	6.04	460	
"	"	"	17000	E-W	2000	"	2:6	"	11.49.22		11.50.20	11.50.22	11.51.28	11.53.33	0.24	1	1.26	460	
91	3	"	17000	N-S	2000	1.5	2:5	I _v	4.11.36		4.12.13		4.12.37	4.13.38				307	A. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	4.11.36		4.12.12		4.12.42	4.13.42				300	"
92	4	"	17000	N-S	2000	1.5	2:5	III _v	16.36.28	16.44.10	16.52.13	16.56.40	17.12.42	17.38.15	10.68	10	1.15	6118	M ₀ 16.40.08 T=19 A=1.5 u=120.3
"	"	"	17000	E-W	2000	"	2:6	"	16.36.28	16.44.09	16.52.19	16.57.20	17.14.12	17.37.12	10.68	20	1.10	6100	M ₀ 17.00.42 T=18 A=1.6 u=107.37
"	"	"	1200	N-S	250	6	2:8	"	16.36.28?	16.44.08	16.51.49	16.54.49	17.13.47	17.56.37	22.88	18	1.50	6100	M ₀ 16.56.52 T=21 A=1 u=204.74 Δ=2.6
"	"	"	1200	E-W	250	"	2:8	"	16.36.28	16.44.09	16.51.28	16.57.22	17.17.13	?	47.82	15	1	6100	M ₀ 16.54.08 T=18 A=1.5 u=48.98 Δ=1
93	4	"	17000	N-S	2000	1.5	2:5	II _u	22.36.18	22.43.56	22.51.21	22.57.19	23.04.09	?	53.67	18	1.00	6040	
"	"	"	17000	E-W	2000	"	2:6	"	22.36.19	22.43.58	22.50.29	22.57.17			49.59	15	1		
94	5	"	17000	N-S	2000	1.5	2:5	I _v	19.26.08		19.26.47	19.26.54	19.27.24	19.30.04	1.51	1	6.04	328	
"	"	"	17000	E-W	2000	"	2:6	"	19.26.08		19.26.48	19.26.55	19.27.28	19.29.14	2.20	1	6.93	329	
95	6	"	17000	N-S	2000	1.5	2:5	I _v	20.04.35		20.05.18	20.05.21	20.05.59	20.06.25	1.18	1	4.78	250	
"	"	"	17000	E-W	2000	"	2:6	"	20.04.34		20.05.08		20.05.25	20.06.16				285	A. Incierta.
96	7	"	17000	N-S	2000	1.5	2:5	III _v	4.37.00		4.37.34	4.37.44	4.38.59	4.43.00	18.59	1	74.36	285	
"	"	"	17000	E-W	2000	"	2:6	"	4.37.00		4.37.35	4.37.47	4.38.17	4.42.40	18.49	1	77.06	292	
"	"	"	1200	N-S	250	6	2:8	II _v	4.37.01		4.37.35	4.37.39	4.38.31	4.42.12	16.30	2	7.7	285	
"	"	"	1200	E-W	250	"	2:8	"	4.37.03		4.37.7	4.37.43	4.38.31	4.42.16	16.68	3	5.63	285	
97	10	"	17000	N-S	2000	1.5	2:5	III _v	14.02.13		14.02.52	14.02.56	14.03.23	14.05.30	2.35	1	9.40	321	
"	"	"	17000	E-W	2000	"	2:6	"	14.02.13		14.02.51	14.03.00	14.03.33	14.05.50	2.79	1	4.68	314	
98	17	"	17000	N-S	2000	1.5	2:5	II _v	21.12.58		21.13.15	21.13.20	21.14.25	21.16.45	4.70	1	8.80	169	
"	"	"	17000	E-W	2000	"	2:6	"	21.12.59		21.13.16	21.13.19	21.14.32	21.16.24	6.08	18	24.32	162	M ₀ 21.13.34 T=1 A=1.5 u=3.89 Δ _g 14.56

Numero	Fecha	INSTRUMENTO			CONSTANTES			Cauda	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Antor	Masa	Coup.	V	T.	e.		P.	S.	L.	M.	C.		h.	T.	de		
99	19	Wiech.	17000	N-S	2000	1.5	2:5	II _v	14.59.57?		15.00.33	15.00.42	15.01.14	15.02.42	1.18	1	4.72	300	
"	"	"	17000	E-W	2000	"	2:6	"	14.59.57		15.00.32	15.00.34	15.01.29	15.02.50	1.35	1	5.40	292	
100	20	"	17000	N-S	2000	1.5	2:5	II _r	19.49.16		19.55.04	19.57.06	20.00.20	10.29	5	1.64	2700		
"	"	"	17000	E-W	2000	"	2:6	"	19.49.13?		19.55.00	19.57.08	20.01.13	?	13.90	5	2.20	2700	
101	27	"	17000	N-S	2000	1.5	2:5	III _v	14.47.59		14.48.41	14.48.46	14.49.46	14.53.12	6.58	1.5	11.7	343	
"	"	"	17000	E-W	2000	"	2:6	"	14.47.59		14.48.40	14.48.46	14.49.54	14.52.20	11.64	1.5	20.7	336	
102	28	"	17000	N-S	2000	1.5	2:6	II _r	8.33.53?		8.39.24	8.41.09	8.44.18	8.52.18	6.43	5	1.03	2605	M. 8.41.50 T.S. A=1.73 u=9.00 A=1.44
"	"	"	17000	E-W	2000	"	2:6	"	8.33.52?		8.39.22	8.41.11	8.42.17	8.52.17	2.87	5	2.02	2600	P. Muy incierto y poco perceptible.
103	30	"	17000	N-S	2000	1.5	2:5	III _d	?		19.02.24	19.02.27	19.02.31	19.02.38	1.8	0.5	26		
"	"	"	17000	E-W	2000	"	2:6	"	19.02.22		19.02.24	19.02.26	19.02.29	19.02.48	2.30	0.5	37	15	
104	31	"	17000	E-S	2000	1.5	2:5	I _v	2.39.56		2.40.41	2.40.55	2.41.29	2.43.56	1.46	1	73.92	365	
"	"	"	17000	E-W	2000	"	2:6	"	2.39.57		2.40.41	2.41.02	2.41.29	2.43.13	1.42	1	5.68	358	

JAN.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Ampl.	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		a.	T.	Ac.		
105	4	Wiech.	17000	N-S	2000	1.5	2:5	III _V	20.56.56		20.58.04	20.58.11	20.59.15	21.03.30	6.28	1	25.52	532	M ₂ 20.58.28 T=1.5 A=18 u=5.04 Δg=9.95
"	"	"	17000	E-W	2000	"	2:6	"	20.56.56		20.58.03	20.58.11	20.59.08	21.03.18	10.88	1	43.52	525	M ₂ 20.58.31 T=1 A=23 u=7.77 Δg=21.08
106	5	"	17000	N-S	2000	1.5	2:5	II _R	6.19.36		6.21.33	6.22.20	6.22.25	6.45.20	39.44	6	4.28	1025	M ₂ 6.22.50 T=6 A=7 u=3.76 Δg=5.20
"	"	"	17000	E-W	2000	"	2:6	"	6.19.35		6.21.31	6.22.50	6.22.26	6.44.40	35.71	6	4.37	1016	M ₂ 6.23.10 T=5 A=8 u=4.18 Δg=7.58
107	6	"	17000	N-S	2000	1.5	2:5	III _V	1.32.22		1.34.29	1.35.03	1.42.28	1.50.08	11.58	5	1.53	1105	M ₂ 1.36.08 T=4 A=2 u=2.28 Δg=1.57
"	"	"	17000	E-W	2000	"	2:6	"	1.32.23		1.34.28	1.35.16	1.42.25	1.50.07	18.37	5	2.28	1075	M ₂ 1.36.03 T=4 A=3 u=2.46 Δg=2.36
108	8	"	17000	N-S	2000	1.5	2:5	I _V	20.25.44		20.26.26	20.26.36	20.27.14	20.28.28	1.67	1	2.80	243	
"	"	"	17000	E-W	2000	"	2:6	"	20.25.45		20.26.27	20.26.37	20.27.28	20.28.28	0.68	1	2.70	243	
109	8	"	17000	N-S	2000	1.5	2:5	I _V	20.35.42		20.36.29	"	20.37.15	20.38.07				229	P. Muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	20.35.50		20.36.31	20.36.47	20.37.17	20.38.25	0.85	1	3.40	236	
110	9	"	17000	N-S	2000	1.5	2:5	I _d	5.01.45		5.01.48	5.01.49	5.01.53	5.02.05	2.70	0.50	4.70	22	
"	"	"	17000	E-W	2000	"	2:6	III _d	5.01.45		5.01.48	5.01.49	5.01.54	5.01.03	5.06	0.50	21.00	22	
111	14	"	17000	N-S	2000	1.5	2:5	III _V	11.10.45		11.11.16	11.11.20	11.12.04	11.14.24	4.70	1	19.80	264	M ₂ 11.11.24 T=1 A=24 u=5.74 Δg=20.16
"	"	"	17000	E-W	2000	"	2:6	"	11.10.45		11.11.15	11.11.23	11.12.05	11.14.20	5.25	1	25.00	256	
112	16	"	17000	N-S	2000	1.5	2:5	I _U	8.28.257	8.38.41								9100	No se distinguen más fases. Temblor del Etna.
"	"	"	17000	E-W	2000	"	2:6	"	8.28.26	8.38.41									No se distinguen más fases. Temblor del Etna.
"	"	"	1200	N-S	250	6	2:7	"	8.28.257	8.38.41	8.52.41							9100	
"	"	"	1200	E-W	250	"	"	"	8.28.31	8.38.41									
"	"	B.Omo.	10	N-S	15	30	30.5	"	8.28.27	8.38.42								9030	No se distinguen más fases. Temblor de Italia. Etna.
"	"	"	10	E-W	16	"	31	"	8.28.257	8.38.32									No se distinguen más fases. Temblor de Italia. Etna.
113	19	Wiech.	17000	N-S	2000	1.5	2:5	I _U	22.53.10										
"	"	"	17000	E-W	2000	"	2:6	"	22.53.277		22.54.21								P. Muy incierto.
"	"	"	1200	N-S	250	6	2:8	"	22.53.107		22.54.01								" " "
"	"	"	1200	E-W	250	"	"	"	22.53.10		22.53.58								" " "
114	21	"	17000	N-S	2000	1.5	2:5	II _V	19.25.40		19.26.19	19.26.33	19.27.00	19.28.10	1.54	1	6.10	322	
"	"	"	17000	E-W	2000	"	2:6	"	19.25.40		19.26.18	19.26.36	19.26.57	19.28.11	1.49	1.5	2.50	314	

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.		
115	22	Wiech.	17000	N-S	2000	1.5	2:5	I _u			7.58.33								Aparecen unas ondas que tiene el carácter de largas. No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6				7.54.10								
116	24	"	17000	N-S	2000	1.5	2:5	I _r	20.14.49	20.17.30	20.17.47	20.18.27	20.22.02	?	2.57	6	0.29	1540	
"	"	"	17000	E-W	2000	"	2:6	"	20.14.50	20.17.30	?	20.18.54	20.22.18	?	2.77	6	0.20	1530	
117	27	"	17000	N-S	2000	1.5	2:5	I _v	9.13.41		9.13.57	?	9.14.47	9.14.28				154	
"	"	"	17000	E-W	2000	"	2:6	"	9.13.41		9.13.57	?	9.14.52	9.16.22				154	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		S.	T.	A _g		
118	2	Wiech.	17000	N-S	2000	1.5	2:5	III _v	7.55.05		7.55.35	7.55.41	7.56.19	7.56.04	3.19	1	12.76	256	M ₂ 7.55.51 T=1 A=11 u=3.70 Δg=14.20
"	"	"	17000	E-W	2000	"	2:6	"	7.55.04		7.55.33	7.55.38	7.56.15	7.56.15	9.30	1	37.20	249	M ₂ 7.55.45 T=1 A=28 u=7.10 Δg=28.40
119	2	"	17000	N-S	2000	1.5	2:5	I _u	21.45.48		21.46.28	21.46.36	21.47.20	21.48.20	0.84	1.5	1.50	329	P. Incierto.
"	"	"	17000	E-W	2000	"	2:6	"	21.45.47		21.46.27	21.46.34	21.47.17	21.48.38	1.35	1	5.40	329	" "
120	4	"	17000	N-S	2000	1.5	2:5	I _r	8.17.50	8.22.35	8.24.30	8.25.52	8.31.04	?	19.72	6	2.19	3030	P. Muy incierto M ₂ 8.26.39 T=5 A=2.8 u=14.41 Δg=2.30
"	"	"	17000	E-W	2000	"	2:6	"	8.17.51	?	8.24.10?	8.25.02	8.32.36	?	18.97	6	2.11	2900	P. Muy incierto M ₂ 8.25.52 T=5 A=5.5 u=28.31 Δg=4.53
121	4	"	17000	N-S	2000	1.5	2:5	I _r	8.46.42	8.51.25	8.53.06	8.54.36	8.59.23		21.62	5	3.50	3000	P. Muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	8.46.41	?	8.53.04?	8.54.54	8.59.50	?	20.59	5	3.29	2942	" " "
122	4	"	17000	N-S	2000	1.5	2:5	I _v	19.58.59		19.59.59	20.00.18	20.00.38	20.02.00	1.00	1	4.00	474	P. Muy incierto. Epicentro en Colima.
"	"	"	17000	E-W	2000	"	2:6	"	19.59.00		20.00.00	?	20.00.46	20.02.22				474	Epicentro en Colima.
123	10	"	17000	N-S	2000	1.5	2:5	I _u	0.38.56	0.46.33	0.52.19	0.59.18						6010	P. Muy poco perceptible M. Incierta. Epicentro en Chile?
"	"	"	17000	E-W	2000	"	2:6	"	0.38.56	0.46.35	0.52.21	0.59.17						6050	P. Poco perceptible M. Incierta. Epicentro en Chile?
124	10	"	17000	N-S	2000	1.5	2:5	I _r	1.01.13		1.03.34							1225	
"	"	"	17000	E-W	2000	"	2:6	"	1.01.14		1.03.35							1233?	
125	12	"	17000	N-S	2000	1.5	2:5	I _u	3.27.23	3.37.40								7940	No se distinguen las fases. Epifoco en Europa?
"	"	"	17000	E-W	2000	"	2:6	"	3.28.26	3.37.44								7930	No se distinguen más fases.
126	14	"	17000	N-S	2000	1.5	2:5	III _v	7.13.47		7.14.24	7.14.29	7.15.44	7.19.50	13.44	1	53.76	307	M ₂ 7.14.44 T=1 A=47 u=15.79 Δg=16
"	"	"	17000	E-W	2000	"	2:6	"	7.13.47		7.14.25	7.14.30	7.15.47	7.20.00	19.00	1	76.00	314	M ₂ 7.14.44 T=1 A=32 u=10.82 Δg=40.00
127	15	"	17000	N-S	2000	1.5	2:5	III _v	10.30.54		10.31.21	10.31.31	10.32.20	10.34.36	7.06	1	28.24	234	M ₂ 10.31.42 T=1 A=15 u=5.40 Δg=20.16
"	"	"	17000	E-W	2000	"	2:6	"	10.30.54		10.31.22	10.31.29	10.32.29	10.34.33	7.60	1	30.40	241	
128	20	"	17000	N-S	2000	1.5	2:5	III _v	13.47.12		13.47.33	13.47.45	13.49.00	13.51.30	11.05	2	11.05	191	M ₂ 13.48.00 T=1 A=19 u=6.38 Δg=25.52
"	"	"	17000	E-W	2000	"	2:6	"	13.47.12		13.47.35	13.47.46	13.48.52	13.52.58	5.41	1	21.64	205	M ₂ 13.47.52 T=1.5 A=16.5 u=4.80 Δg=19.20
129	20	"	17000	N-S	2000	1.5	2:5	I _v	18.41.12		18.41.52	18.42.11	18.42.30	18.44.45	1.16	1	4.72	329	
"	"	"	17000	E-W	2000	"	2:6	"	18.41.11		18.41.50	18.42.01	18.42.34	18.44.40	1.89	1.5	3.36	322	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Nave	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ	T.	Ag		
130	20	Fiech.	17000	N-S	2000	1.5	2:5	I _V	19.09.47		19.10.29	19.10.48	19.11.27	19.13.56	1.85	1	7.40	343	
"	"	"	17000	E-W	2000	"	2:6	"	19.09.39		19.10.19	19.10.31	19.11.06	19.13.32	1.89	1	6.76	329	
131	21	"	17000	N-S	2000	1.5	2:5	I _V	0.19.06		0.20.19	0.20.38	0.22.02	0.25.08	4.04	2	4.04	563	M ₂ 0.21.02 T=2 A=9 u=4.85 Δg=4.85
"	"	"	17000	E-W	2000	"	2:6	"	0.19.05		0.20.20	0.20.26		0.23.35	1.66	1.5	2.29	583	M ₂ 0.20.37 T=1.5 A=8.5 u=2.47 Δg=4.40
132	21	"	17000	N-S	2000	1.5	2:5	II _d	12.25.30		12.25.33	12.25.34	12.25.39	12.26.04	4.05	0.5	6.48	22	
"	"	"	17000	E-W	2000	"	2:6	"	12.25.31		12.25.33	12.25.34	12.25.39	12.26.09	4.60	0.5	7.4	15	
133	21	"	17000	N-S	2000	1.5	2:5	II _d			14.10.52	14.10.53	14.10.58	14.11.10	3.15	0.5	56	7.5	
"	"	"	17000	E-W	2000	"	2:6	"			14.10.44	14.10.45	14.10.51	14.11.20	2.30	0.5	36	?	
134	21	"	17000	N-S	2000	1.5	2:5	I _V	22.19.58		22.21.09	22.21.31	22.22.26	22.24.40	1.12	1.5	2.00	547	
"	"	"	17000	E-W	2000	"	2:6	"	22.20.15		22.21.27	22.21.37	22.22.32	22.24.32	8.44	1.2	34	561	
135	22	"	17000	N-S	2000	1.5	2:5	III _d	1.39.34		1.39.35	1.39.36	1.39.44	1.40.24	7.97	0.5	122	7.48	
"	"	"	17000	E-W	2000	"	2:6	"	?		1.39.35	1.39.36	1.39.45	1.40.13	17.94	0.5	287	7.48	
136	22	"	17000	N-S	2000	1.5	2:5	II _V	5.27.22		5.27.55	5.28.03	5.28.38	5.30.12	5.04	1	20.16	278	
"	"	"	17000	E-W	2000	"	2:6	"	5.26.33		5.27.04	5.27.14	5.27.56	5.29.40	3.72	1	14.28	285	
137	23	"	17000	N-S	2000	1.5	2:5	II _r	7.35.14	?	7.41.46								P. Asy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	7.35.13?	7.39.51	7.42.06							2930	
138	23	"	17000	N-S	2000	1.5	2:5	II _r			9.00.52	9.03.26	9.06.45	?					
"	"	"	17000	E-W	2000	"	2:6	"	?		9.00.49	9.02.54	9.06.49	?					
139	24	"	17000	N-S	2000	1.5	2:5	II _V	21.16.48		21.20.01	21.20.27	21.20.34	21.21.37	6.22	1	24.68	569	
"	"	"	17000	E-W	2000	"	2:6	"	21.18.48		21.20.03	21.20.11	21.21.11	21.25.11	6.50	1	26.00	563	
140	2	"	17000	N-S	2000	1.5	2:5	I _V	?		21.40.13	21.40.18		21.42.03	1.75	1	2.40	?	
"	"	"	17000	E-W	2000	"	2:6	"	?		21.40.12	21.46.16		21.47.56	0.50	1	2.00	?	
141	24	"	17000	N-S	2000	1.5	2:5	I _V	21.44.38		21.45.14	21.45.20	21.45.50	21.46.20	3.90	2	3.80	300	
"	"	"	17000	E-W	2000	"	2:6	"	21.44.36		21.45.13	21.45.19	21.45.50	21.46.30	1.16	2	1.16	307	
JAN.																			

Número	Fecha	INSTRUMENTO			CONSTANTES			Categoría	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Modelo	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
142	7	Wisch.	17000	N-S	2000	1.5	2:5	III _V	1.33.36		1.34.26	1.34.46	1.35.46	1.40.08	13.44	1.5	13.44	402	M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	1.33.36		1.34.26	1.34.50	1.36.18	1.42.16	14.56	1.5	14.30	402	
"	"	"	1200	N-S	250	6	2:8	II _V	1.33.36		1.34.27		1.36.12	1.43.42				408	
"	"	"	1200	E-W	250	"	"	"	1.33.36		1.34.26	1.34.56	1.36.56	1.41.51	4.26	3	2	408	
143	8	"	17000	N-S	2000	1.5	2:5	I _V	12.08.10	12.13.43								3760	No se registraron las otras fases.
"	"	"	17000	E-W	2000	"	2:6	"	12.08.09	12.13.43								3780	" " " " " "
144	13	"	17000	N-S	2000	1.5	2:5	I _V	17.20.26		17.21.08		17.21.38	17.22.48				343	M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	?		17.21.07	17.21.15	17.21.49	17.22.10	1.32	2	1.02		
145	13	"	17000	N-S	2000	1.5	2:5	II _V	20.56.59		20.57.34	20.57.53	20.58.11	20.59.11	1.62	2	1.62	292	
"	"	"	17000	E-W	2000	"	2:6	I _V	20.56.59		20.57.35	20.57.44	20.58.06	20.59.06	1.64	2	1.64	300	
146	13	"	17000	N-S	2000	1.5	2:5	III _V	22.09.13		22.09.57	22.10.16	22.10.58	22.13.59	1.12	1	50.48	358	
"	"	"	17000	E-W	2000	"	2:6	"	22.09.14		22.09.59	22.10.08	22.11.18	22.14.46	15.06	1	54.24	365	
"	"	"	1200	N-S	250	6	2:8	I _V	22.09.14		22.09.59	22.10.05	22.10.23	22.13.23	1.41	3	5.00	365	
"	"	"	1200	E-W	250	"	"	"	22.09.12		22.09.56	22.10.05	22.11.02	22.14.32	6.34	3	2.51	358	
147	15	"	17000	N-S	2000	1.5	2:5	II _V	15.23.05		15.23.52	15.24.02	15.25.02	15.26.02	5.02	2	5.02	380?	
"	"	"	17000	E-W	2000	"	2:6	"	15.23.07		15.23.52	15.24.13	15.24.39	15.27.07	6.25	2	6.55	365	
148	16	"	17000	N-S	2000	1.5	2:5	I _V	0.32.32		0.33.16	0.33.28	0.33.50	0.34.50	2.31	1.5	4.10	358	
"	"	"	17000	E-W	2000	"	2:6	"	0.32.31		0.33.15	0.33.27	0.33.57	0.35.17	4.28	2	4.38	358	
149	16	"	17000	N-S	2000	1.5	2:5	I _V	1.18.49		1.19.32	1.19.53	1.20.05	1.21.05	2.31	1.5	4.10	351	
"	"	"	17000	E-W	2000	"	2:6	"	1.19.49		1.20.31	1.20.46	1.21.24	1.23.02	2.29	1	9.16	343	M. 1.21.02 T=2 A=7.5 u=4.11 Ag=4.17
150	18	"	17000	N-S	2000	1.5	2:5	I _V	16.16.44		16.17.16	16.17.24	16.17.54	16.19.14	2.16	2	2.16	271	
"	"	"	17000	E-W	2000	"	2:6	"	16.16.43		16.17.16	16.17.31	16.17.56	16.18.56	1.40	1.5	2.5	278	
151	18	"	17000	N-S	2000	1.5	2:5	II _V	16.24.35		16.25.15	16.25.25	16.25.53	16.27.23	2.16	2	2.16	329	
"	"	"	17000	E-W	2000	"	2:6	I _V	16.24.33		16.25.15	16.25.30	16.26.05	16.26.46	2.47	2	2.47	343	
152	18	"	17000	N-S	2000	1.5	2:5	II _V	22.14.01		22.14.48	22.15.05	22.15.47	22.17.50	7.75	2	7.55	380	
"	"	"	17000	E-W	2000	"	2:6	"	22.13.58		22.14.46	22.14.51	22.15.30	22.17.05	6.49	2	8.48	387	4. 22.14.56
153	18	"	17000	N-S	2000	1.5	2:5	I _V	22.29.10		22.29.16	22.29.17	22.29.21	22.29.30	4.50	0.5	72.00	82	
"	"	"	17000	E-W	2000	"	2:6	II _V	22.29.09		22.29.15	22.29.16	22.29.21	22.29.31	14.26	0.5	228	82	Local LPopocatepetl.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T _p	s.		P.	S.	I.	M.	C.		a.	T	Ag.		
154	18	Wisch.	17000	N-S	2000	1.5	2:5	II _d	22.41.24		22.41.28	22.41.29	22.41.35	22.41.40	2.25	0.5	36.5	82	
"	"	"	17000	E-W	2000	"	2:6	I _d	22.41.24		22.41.29	22.41.31	22.41.36	22.41.42	2.53	0.5	40	74	Local Popocatepetl?
155	20	"	17000	N-S	2000	1.5	2:5	I _v	0.39.49		0.40.21	0.40.25	0.40.45	0.40.57	1.31	1	6.04	271	
"	"	"	17000	E-W	2000	"	2:6	II _v	0.39.47		0.40.18	0.40.32	0.40.57	0.42.17	2.33	1.5	4.10	254	
156	20	"	17000	N-S	2000	1.5	2:5	I _v	0.56.22		0.57.12		0.59.14	1.02.14				402	M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	0:56.21		0.57.13		0.59.48	1.02.18				416	" "
157	23	"	17000	N-S	2000	1.5	2:5	II _u	?	5.19.19	5.25.29	5.27.41	5.38.02	=	12.97	5	2.08	5255	
"	"	"	17000	E-W	2000	"	2:6	"	?	5.19.22	5.25.33	5.28.29	5.39.07	?	23.77	5	3.70	5261	
158	24	"	17000	N-S	2000	1.5	2:5	III _v	6.28.42		6.29.18	6.29.25	6.30.28	6.33.30	14.12	1	56.48	307	
"	"	"	17000	E-W	2000	"	2:6	"	6.28.41		6.29.18	6.29.32	6.30.09	6.33.09	10.75	1	43.00	307	M ₂ 6.29.53 T=1 A=33 u=11.08 Ag=44.32
159	25	"	17000	N-S	2000	1.5	2:5	II _r	5.08.28	5.10.16	5.10.30	5.11.10	5.11.55	5.15.40	4.04	2	4.04	1000	
"	"	"	17000	E-W	2000	"	2:6	"	5.08.26	5.10.18	5.10.32	5.11.04	5.12.14	5.17.14	5.40	1	21.60	1020	M ₂ 5.11.19 T=1 A=15 u=4.07 Ag=16.28
160	25	"	17000	N-S	2000	1.5	2:5	II _v	23.38.26		23.39.41	23.40.16	23.41.36	23.44.36	1.85	1	7.40	583	P. Incierto.
"	"	"	17000	E-W	2000	"	2:6	"	23.38.24		23.39.40		23.41.22	23.44.56				591	M. Incierta.
161	29	"	17000	N-S	2000	1.5	2:5	III _r	23.17.49	23.20.12	23.20.35	23.21.36	23.30.39	0.30.57	11.99	10	4.80	1350	Tembler de Ahumé, Singloca.
"	"	"	17000	E-W	2000	"	2:6	"	23.17.46	23.20.08	23.20.33	23.21.44	23.37.30	0.37.30	11.90	4	45.62	1340	" " " " M ₂ 23.23.02
"	"	"	1300	Z	160	4	3:5	II _r	23.17.44	23.20.08	23.20.29	23.22.32	23.27.02	0.54.02	1342.4	15	24.0	1360	T=8 A=43 u=590.73 Ag=36.92. Tembler de Ahumé, Singloca.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Auter	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
162	10	Wiesh.	17000	N-S	2000	1.5	2:5	III _u	3.13.23	3.24.08	3.41.46	3.56.28			22.13	20	2.21	9720	M ₂ 3.59.38 T=20 A=2.0 u=176.84 Ag=1.77
"	"	"	17000	E-W	2000	"	2:6	"	3.13.23	3.24.08	3.41.50	3.57.20	4.36.15	1	508.3	20	5.84	2670	M ₂ 3.59.25 T=19 A=5.0 u=390.05 Ag=4.42
163	2	"	17000	N-S	2000	1.5	2:5	I _u	22.46.24	22.53.08								5040	No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	22.46.23	22.53.08	22.58.32							5060	" " " " "
164	5	"	17000	N-S	2000	1.5	2:5	I _v	2.36.30		2.37.41		2.36.39	2.40.05				554	Temblores sentidos en Salina Cruz, Oax.
"	"	"	17000	E-W	2000	"	2:6	"	2.36.22		2.37.32	2.37.56	2.38.51	2.40.15	0.58	1	2.72	547	" " " " "
165	8	"	17000	N-S	2000	1.5	2:5	III _v	0.27.19		0.27.45	0.28.00	0.28.53	0.32.18	12.76	1	51.04	227	
"	"	"	17000	E-W	2000	"	2:6	"	0.27.19		0.27.46	0.27.59	0.28.51	0.33.21	17.40	1	69.80	234	
166	9	"	17000	E-W	2000	1.5	2:6	I _d	8.05.40		8.05.42	8.05.43	8.05.46	8.06.02	2.28	0.5	9.00	15	Se desniveló la componente N-S.
167	9	"	17000	E-W	2000	1.5	2:6	III _d	9.52.46		9.52.48	9.52.48	9.52.57	9.54.10	21	0.5	336	15	Se desniveló la componente N-S.
168	9	"	17000	E-W	2000	1.5	2:6	I _d	14.23.12		14.23.14	14.23.15	14.23.17	14.23.20	4.5	0.5	7.2	15	Se desniveló la componente N-S.
169	9	"	17000	E-W	2000	1.5	2:6	I _d	14.23.21		14.23.23	14.23.23	14.23.25	14.23.27	11.25	0.5	7.2	15	Se desniveló la componente N-S.
170	9	"	17000	E-W	2000	1.5	2:6	II _d	14.24.15		14.24.17	14.24.17	14.24.18	14.24.45	5.5	0.5	9.77	15	Se desniveló la componente N-S.
171	12	"	17000	N-S	2000	1.5	2:5	II _v	16.59.28		17.00.23	17.00.56	17.01.56	17.05.16	3.70	1	14.80	438	
"	"	"	17000	E-W	2000	"	2:6	"	16.59.26		17.00.21	17.00.38	17.01.31	17.05.50	35.00	1	50.00	438	M ₂ 17.00.50 T=1 A=20.5 u=1.93 Ag=25.72
172	15	"	17000	N-S	2000	1.5	2:5	II _v	16.07.52		16.08.28	16.08.56	16.09.31	16.14.25	3.05	1	5.50	300	
"	"	"	17000	E-W	2000	"	2:6	"	16.07.53		16.08.30	16.08.50	16.09.23	16.14.13	4.39	1	17.56	307	M ₂ 16.09.03 T=1 A=15.5 u=5.24 Ag=20.96
173	16	"	17000	N-S	2000	1.5	2:5	I _v	1		22.02.25	22.02.56	22.07.59	22.16.59	13.27	1.75	1.47	1	M ₂ 22.03.29 T=5 A=1.75 u=9.05 Ag=1.45
"	"	"	17000	E-W	2000	"	2:6	"	1		22.02.13	22.02.54	22.08.01	22.17.50	22.75	6	2.53	1	M ₂ 22.02.37 T=5 A=4.5 u=18.02 Ag=2.08
174	23	"	17000	N-S	2000	1.5	2:5	III _v	20.19.23		20.20.05	20.20.21	20.21.37	20.28.40	4.80	1	19.20	343	M ₂ 20.20.33 T=1 A=14.25 u=5.46 Ag=21.84
"	"	"	17000	E-W	2000	"	2:6	"	20.19.24		20.20.04	20.20.20	20.21.39	20.28.27	7.39	1	29.56	329	M ₂ 20.20.29 T=1.5 A=25. u=7.00 Ag=12.80
175	24	"	17000	N-S	2000	1.5	2:5	I _v	0.13.227		0.14.03	0.14.14	0.14.33	0.18.06	2.16	2	2.16	336	
"	"	"	17000	E-W	2000	"	2:6	"	0.13.24		0.14.06	0.14.13	0.14.28	0.17.58	1.36	1	5.40	343	
176	24	"	17000	N-S	2000	1.5	2:5	I _v	7.28.23		7.28.53	7.28.58	7.29.12	7.30.12	0.59	1	2.36	285	
"	"	"	17000	E-W	2000	"	2:6	"	7.28.23		7.28.58		7.29.20	7.30.15				292	

Núm.	Fecha	INSTRUMENTO			CONSTANTES			Condiciones	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mesa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		P.	T.	Ap.		
177	25	Wiech.	17000	N-S	2000	1.5	2:5	III _V	2.36.49		2.37.29	2.37.41	2.39.51	2.43.27	18.32	17	75.25	329	
"	"	"	17000	E-W	2000	"	2:6	"	2.36.49		2.37.33	2.37.40	2.40.27	2.46.57	18.35	17	73.00	358?	
"	"	"	125	NE-SW	80	6	3:5	II _V	2.36.51		2.37.33	2.37.51	2.38.23	2.42.44				343	
"	"	"	125	NW-SE	80	"	"	"	2.36.53		2.37.35	2.37.47	2.39.56	2.42.55				343	
"	"	"	1300	Z	160	4	"	"	2.36.52		2.37.37	2.37.50	2.38.59	2.40.00	46.41	37	20.00	365	
178	28	"	17000	N-S	2000	1.5	2:5	II _V	21.05.34	21.10.08	21.12.00			21.32.18	7.58	6	0.85	2980	No se distinguen las demás fases.
"	"	"	17000	E-W	2000	"	2:6	"	21.05.34	21.10.12	21.12.04	21.13.42	21.16.00	21.32.18	7.58	6	0.85	2930	
179	29	"	17000	N-S	2000	1.5	2:5	I _V	1.36.05		1.36.35		1.37.10	1.38.10				256	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	1.36.04		1.36.34	1.36.45	1.37.07	1.38.17	8.45	1	33.9	256	
180	29	"	17000	N-S	2000	1.5	2:5	I _V	12.08.12		12.08.49		12.09.19	12.11.35				307	
"	"	"	17000	E-W	2000	"	2:6	"	12.08.12		12.08.48	12.08.51	12.09.17	12.11.15	2.03	1	3.12	300	
181	30	"	17000	N-S	2000	1.5	2:5	III _U	1.31.07	1.39.22	1.53.19	1.59.12	2.10.58	2.30.58	106.20	20	1.06	6740	P. Gradual.
"	"	"	17000	E-W	2000	"	2:6	"	1.31.07	1.39.24	1.52.41	1.59.11	2.10.56	2.39.56	12.72	20	1.32	6770	" "
"	"	"	1300	Z	160	4	3:5	II _U	1.31.06		1.49.27	1.52.06							

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.		
182	1°	Wicoh.	17000	N-S	2000	1.5	2:5	I _v	22.50.54		22.51.10	22.51.30	22.51.25	22.55.30	3.12	1	12.48	212	
"	"	"	17000	E-W	2000	"	2:6	"	22.50.54		22.51.17	22.51.51	22.52.51	22.55.21	2.70	1	10.50	205	
183	4	"	17000	N-S	2000	1.5	2:5	I _v	8.55.327		8.55.53	8.55.56	8.56.25	8.57.42	1.00	1	4.00	191	P. Incidente.
"	"	"	17000	E-W	2000	"	2:6	"	8.55.34		8.55.54	8.56.56	8.56.22	8.58.00	1.06	1	4.32	187	"
184	4	"	17000	N-S	2000	1.5	2:5	I _u	17.40.00	17.47.23								5600	No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	17.40.08	17.47.21								5570	" " " "
185	5	"	17000	N-S	2000	1.5	2:5	I _v	?		1.13.01	1.15.03	1.27.45		9.00	5	1.44		M ₂ 1.12.50 T=5 A=1.75 u=1.52 Ag=2.26
"	"	"	17000	E-W	2000	"	2:6	"	?		1.12.59	1.15.10	1.26.48		8.56	5	2.30		M ₂ 1.12.53 T=5 A=4.5 u=2.8, 17 Ag=2.70
186	5	"	17000	N-S	2000	1.5	2:5	I _v	3.27.227		3.27.19	3.27.22	3.27.54	3.29.24	1.68	1	6.72	452	
"	"	"	17000	E-W	2000	"	2:6	"	?		3.27.16	3.27.21	3.27.52	3.29.22	1.66	1	7.44	?	
187	5	"	17000	N-S	2000	1.5	2:5	I _v	4.01.53		4.02.43	?	4.03.23	4.04.25				402	
"	"	"	17000	E-W	2000	"	2:6	"	4.01.50		4.02.40	4.02.51	4.03.16	4.04.16	1.35	1	5.40	402	
188	5	"	17000	N-S	2000	1.5	2:5	II _v	6.53.53		6.54.33	6.54.40	6.55.15	6.57.15	2.38	1.5	2.52	329	
"	"	"	17000	E-W	2000	"	2:6	"	6.53.52		6.54.33	6.54.44	6.55.14	6.58.00	2.04	1	12.16	336	
189	5	"	17000	N-S	2000	1.5	2:5	III _d	17.42.51		17.42.53	17.42.54	17.42.57	17.43.12	4.50	0.5	12.00	15	
"	"	"	17000	E-W	2000	"	2:6	"	17.42.50		17.42.53	17.42.54	17.42.57	17.43.23	6.90	0.5	100	22	
190	5	"	17000	N-S	2000	1.5	2:5	I _v	23.29.10		23.29.53	23.29.56	23.30.27	23.31.28	1.06	1	7.44	351	
"	"	"	17000	E-W	2000	"	2:6	"	23.29.06		23.29.48	23.30.09	23.30.36	23.31.36	2.78	1	2.28	243	
190	6	"	17000	N-S	2000	1.5	2:5	II _v	13.02.06		13.02.46	13.03.15	13.04.08	13.05.50	3.70	1	14.60	329	
"	"	"	17000	E-W	2000	"	2:6	"	13.02.05		13.02.47	13.03.07	13.03.34	13.05.04	5.07	1	20.28	342	
192	7	"	17000	E-W	2000	1.5	2:6	I _u	3.51.507	4.09.50	4.28.057	4.34.05	4.52.00	?	32.24	20	1.32	10050	
193	8	"	17000	N-S	2000	1.5	2:5	I _v	3.47.07	3.51.18	3.53.48							2570	No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	3.47.06	3.51.15	3.53.00							2550	" " " " "
194	8	"	17000	N-S	2000	1.5	2:5	I _v	9.51.23		9.52.02		9.52.37	9.54.17				322	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	9.51.22		9.51.59	9.52.10	9.52.35	9.54.05	2.45	1	33.82	307	

Número	Fecha	INSTRUMENTO			CONSTANTES			Código	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor.	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
195	10	Wiech.	17000	N-S	2000	1.5	2:5	I _u	?		5.19.51?								No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	?		5.19.50							?	" " " " "
196	10	"	17000	N-S	2000	1.5	2:5	I _u	7.22.41	7.32.06?	7.44.46							8110	No se distinguen más fases.
"	"	"	17000	E-W	2000	"	2:6	"	7.22.41	7.32.08	?							8150	" " " " "
197	11	"	17000	N-S	2000	1.5	2:5	II _v	21.22.20		21.23.00	21.23.08	21.24.00	21.25.30	2.24	1.5	8.96	329	
"	"	"	17000	E-W	2000	"	2:6	"	21.22.19		21.22.58	21.23.05	21.23.45	21.25.15	3.88	1	13.52	322	M ₂ 21.25.10 T=1 A=2 u=3.14 Ag=12.56
198	12	"	17000	N-S	2000	1.5	2:5	I _r	?	13.21.59	13.22.38	13.23.22	13.24.34	13.29.48	4.71	4	0.76	2025?	
"	"	"	17000	E-W	2000	"	2:6	"	?	13.21.56	13.22.34	13.22.58	13.25.33	?	5.15	5	0.82	2016?	
199	14	"	17000	N-S	2000	1.5	2:5	II _v	1.53.16		1.53.50	1.54.04	1.54.52	1.56.56	4.20	1.5	7.50	285	M ₂ 1.54.17 T=1.5 A=11.5 u=3.22 Ag=7.50
"	"	"	17000	E-W	2000	"	2:6	"	1.53.16		1.53.51	1.53.56	1.54.53	1.56.54	5.75	1	23.30	292	M ₂ 1.54.01 T=1 A=18 u=5.41 Ag=21.64 M ₂ 1.84.18 T=1 A=16 u=5.07 Ag=20.28.
200	14	"	17000	N-S	2000	1.5	2:5	I _v	4.01.34		4.02.14		4.02.45	4.03.39				329	
"	"	"	17000	E-W	2000	"	2:6	"	4.01.34?		4.02.14		4.02.39	4.03.40				329	
201	20	"	17000	N-S	2000	1.5	2:5	I _v	3.09.33		3.10.13		3.10.51	3.12.17				329	M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	3.09.31?		3.10.13	3.10.23	3.10.44	3.11.47	1.16	1	4.72	343	
202	20	"	17000	N-S	2000	1.5	2:5	I _d	14.20.38		14.20.39	14.20.39	14.20.43	14.20.51	1.10	?	1.10	?	Explosión al N-W de la Estación.
"	"	"	17000	E-W	2000	"	2:6	"	14.20.38		14.20.39	14.20.39	14.20.42	14.20.50				?	" " " " "
203	20	"	17000	N-S	2000	1.5	2:5	III _d	14.49.34		14.49.37	14.49.38	14.49.43	14.50.08	3.15	0.5	58.4	22.44	
"	"	"	17000	E-W	2000	"	2:6	"	14.39.34?		14.49.36	14.49.37	14.49.43	14.50.18	4.37	0.5	69.90	14.90	
204	24	"	17000	N-S	2000	1.5	2:5	I _v	8.57.46	8.59.13	8.59.17		8.59.58	9.01.58				800	P. Incierto. M. incierta.
"	"	"	17000	E-W	2000	"	2:6	"	8.57.46?	8.59.16?	8.59.20		9.00.05	9.01.45				830	P. Dudoso. S. incierta M. incierta.
205	24	"	17000	N-S	2000	1.5	2:5	I _v	15.12.27		15.13.06	15.13.17	15.13.41	15.14.37				336	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	15.12.28		15.13.06	15.13.15	15.13.36	15.14.36				314	" " "
206	25	"	17000	N-S	2000	1.5	2:5	I _v	5.02.13		5.02.59	5.03.06	5.03.31	5.04.22	0.28	1.5	0.5	372	
"	"	"	17000	E-W	2000	"	2:6	"	5.02.13		5.02.58		5.03.29	5.04.22				365	M. Incierta.

Número	Fecha	INSTRUMENTO			CONSTANTES			Director	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.			P.	S.	L.	M.	C.		μ.	T.	Ag.		
207	26	Wiech.	1700	N-S	2000	1.5	2:5	I _V	5.17.50		5.18.32	5.18.40	5.20.35	5.30.45	19.15	1	76.60	343	A. dial definida. Las otras fases mal definidas.
"	"	"	17000	E-W	2000	"	2:6	"	5.17.40		5.18.30	5.18.38	5.20.29	5.30.15	17.75	1	71.00	326	
"	"	"	1200	"	250	6	2:8	I _V	5.17.49		5.18.30	5.19.03	5.21.12	5.27.12	75.00	3	33	336	
"	"	"	1200	E-W	250	"	"	"	5.17.49		5.18.31	5.18.43	5.21.13	5.27.50	35	3	16	343	
"	"	"	1200	Z	160	4	3:5	"	5.17.49		5.19.31	5.19.43	5.22.18	5.26.50	40	3	18	343	
"	"	B.Omo.	10	N-S	15	3	30.5	"	5.17.49?		5.18.31	5.19.01						343	
"	"	"	10	E-W	15		31	I _V	5.17.55		5.18.37								
208	26	Wiech.	17000	N-S	2000	1.5	2:5	I _d	8.50.10		8.50.14	8.50.16	8.50.20	8.50.35	2.00	0.5	22.48	30	
"	"	"	17000	E-W	2000	"	2:6	"	8.50.10		8.50.14	8.50.16	8.50.19	8.50.29	11	0.5	88	30	
209	27	"	17000	N-S	2000	1.5	2:5	I _d	21.59.45		21.59.52	21.59.53	21.59.56	22.00.14	2.25	0.5	36	52	
"	"	"	17000	E-W	2000	"	2:6	"	21.59.47		21.59.55	21.59.56	21.59.59	?	2.30	0.5	38	52	
210	30	"	17000	N-S	2000	1.5	2:5	I _V	1.10.50		1.11.30	1.11.37	1.11.54	1.12.54	0.56	1.5	1.00	329	N. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	1.10.51		1.11.31		1.11.51	1.12.27				329	
211	30	"	17000	N-S	2000	1.5	2:5	I _V	9.03.05	9.04.54	9.05.07	9.05.37	9.06.28	9.08.28	1.87	2	1.87	1010	
"	"	"	17000	E-W	2000	"	2:6	"	9.03.05	9.04.54	9.05.06	9.05.34	9.06.20	9.08.50	1.60	1.5	2.92	1010	
212	30	"	17000	N-S	2000	1.5	2:5	I _V	17.22.09		17.22.44	17.22.51	17.23.29	17.25.45	5.6	1	22.4	232	
"	"	"	17000	E-W	2000	"	2:6	"	17.22.09		17.22.43	17.22.55	17.23.30	17.26.55	4.2	1	16.8	285	
213	31	"	17000	N-S	2000	1.5	2:5	I _V	6.43.33	6.45.07		6.45.25	6.46.01	6.48.14				870	
"	"	"	17000	E-W	2000	"	2:6	"	?	6.45.08	?	6.45.37	6.46.28	6.48.44	0.8	1	3.2	870?	
214	31	"	17000	N-S	2000	1.5	2:5	I _V	?		14.33.35	14.38.43	14.39.15	?	0.8	1	3.2	222	N. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	14.38.30		14.38.35		14.39.09	?				222	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autó	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ	T.	Ag		
215	1 ^o	Wiech.	17000	N-S	2000	1.5	2:5	II _u	20.02.24		20.06.26	?	20.13.06	?				2010	P. Muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	20.02.26		20.06.26	?	20.15.06	?				2000	" " "
216	2	"	17000	N-S	2000	1.5	2:5	III _u	21.27.24	21.36.46	21.58.06	22.09.24			44.25	20	0.41	105507	P. Interferido por el paso del FF.CC.
"	"	"	17000	E-W	2000	"	2:6	"	21.27.22	21.38.45	21.57.51	22.05.15	22.21.24	22.58.24	225.28	16	1.52	10570	" " " " " " "
"	"	B.Omo.	10	N-S	15	30	30.5	II _u	21.27.25	21.38.45	21.58.18	?						10500	M ₀ -22.07.24 T=21 A=1.50 u=148.75 dgal.2
"	"	"	10	E-W	15	30	31	"	21.27.24	21.38.41	21.57.46	22.04.33		22.57.06		21		10450	P: Poco perceptible.
217	4	Wiech.	17000	N-S	2000	1.5	2:5	III _u	0.23.41		0.54.36							10738	Las demás fases no se definen.
"	"	"	17000	E-W	2000	"	2:6	"	0.23.50		0.54.36	1.00.50			97.61	21	0.22	10850	
"	"	B.Omo.	10	E-W	15	30	31	II _u	?		0.54.27	1.00.12				18			
218	4	Wiech.	17000	N-S	2000	1.5	2:5	III _u	12.34.06		12.34.41	12.34.51	12.35.47	12.38.25	7.73	1	30.92	292	
"	"	"	17000	E-W	2000	"	2:6	"	12.34.04		12.34.39	12.34.48	12.35.52	12.37.48	15.13	1	30.52	292	
219	6	"	17000	N-S	2000	1.5	2:5	II _u	5.47.23		5.47.24	5.47.27	5.47.31	5.47.43	?			7	
"	"	"	17000	E-W	2000	"	2:6	"	5.47.22		5.47.23	5.47.26	5.47.31	5.47.43	0.5			7	
220	6	"	17000	N-S	2000	1.5	2:5	II _u	5.49.19		5.49.21	5.49.22	5.49.26	5.49.50	?			15	
"	"	"	17000	E-W	2000	"	2:6	"	5.49.19		5.49.21	5.49.22	5.49.26	5.49.42	?			15	
221	6	"	17000	N-S	2000	1.5	2:5	II _u	6.25.24		6.25.27	6.25.28	6.25.31	6.25.53	?			22	
"	"	"	17000	E-W	2000	"	2:6	"	6.25.24		6.25.26	6.25.27	6.25.32	6.25.43	?			15	
222	6	"	17000	N-S	2000	1.5	2:5	I _u	8.26.31		8.26.32	8.26.34						15	Otro pequeño movimiento consecutivo al anterior interfirió el fin.
"	"	"	17000	E-W	2000	"	2:6	"	8.26.31		8.26.32	8.26.34							Otro pequeño movimiento consecutivo al anterior interfirió el fin.
223	6	"	17000	N-S	2000	1.5	2:5				8.26.40			8.27.04					
"	"	"	17000	E-W	2000	"	2:6				8.26.40			8.27.04					
224	6	"	17000	N-S	2000	1.5	2:5	II _u	15.34.09		15.34.27	15.34.33	15.35.12	15.36.22				169	
"	"	"	17000	E-W	2000	"	2:6	"	15.34.10		15.34.27	15.34.28	15.35.07	15.36.20				172	
225	6	"	17000	N-S	2000	1.5	2:5	II _u	0.03.27		0.07.38		0.14.08	0.22.22				2060	P. Muy incierto. M. incierta. Temblor de Mexicali.
"	"	"	17000	E-W	2000	"	2:6	"	0.03.27		0.07.38		0.14.22	0.21.22				2060	P. Muy dudoso. M. incierta. Temblor de Mexicali.
226	9	"	17000	N-S	2000	1.5	2:5	I	1.57.46		1.58.06	1.58.14	1.58.49	1.59.45	0.84	1	3.36	176	
"	"	"	17000	E-W	2000	"	2:6	"	1.57.45		1.58.06	1.58.15	1.58.49	1.59.40	0.91	1	3.64	191	

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.		
227	9	Wiech.	17000	N-S	2000	1.5	2:5	III _r	3.21.22	3.22.23	3.23.12	3.24.03	3.35.52	4.06.52	13.53	5.5	15.00	1130	M. 3.24.34 T=5 A=22.5 u=11.5 d=18.60 M. 3.26.24 T=4.5 A=23 d=24.21 d=12.46 M. 3.26.23 T=4 A=22 u=9.47 d=17.30 M. 3.24.46 T=5 A=23.5 u=121.43 d=19.40 M. 3.25.15 T=5 A=23 u=118.45 d=16.00 M. 3.26.01 T=5 A=22 u=113.30 d=18.00
"	"	"	17000	E-W	2000	"	2:6	"	3.21.21	3.23.23	3.23.36	3.24.27	3.39.29	4.04.36	13.15	5	17.30	1140	
228	11	"	17000	N-S	2000	1.5	2:5	I _v	19.58.01?		19.58.35		19.59.11	20.00.15				292	P. Muy incierto, J. incierta.
"	"	"	17000	E-W	2000	"	2:6	"	19.57.59		19.58.34		19.59.19	20.00.25				292	" " " " "
229	14	"	17000	N-S	2000	1.5	2:5	II _v	23.42.24		23.43.00	23.43.04	23.43.50	23.46.05	3.02	1	12.00	300	Tambor de Guerrero.
"	"	"	17000	E-W	2000	"	2:6	"	23.42.25		23.43.01	23.43.11	23.44.02	23.47.05	2.91	1.5	5.18	300	" " "
230	15	"	17000	N-S	2000	1.5	2:5	I _d	17.03.08		17.03.10	17.03.11	17.03.14		1.01	25	65.00	15	Fin interferido por otro pequeño movimiento.
"	"	"	17000	E-W	2000	"	2:6	"	17.03.08		17.03.09	17.03.11	17.03.14		0.90	0.25	14	7	Fin interferido por otro pequeño movimiento.
231	15	"	17000	N-S	2000	1.5	2:5	"			17.03.16	17.03.16		17.03.21	0.90	25	14		P. Interferido.
"	"	"	17000	E-W	2000	"	2:6	"			17.03.16	17.03.16		17.03.21	0.45	0.25	7		" " "
232	15	"	17000	N-S	2000	1.5	2:5	I _d	18.01.54			18.01.55?	18.01.57	18.02.05	0.68	25	43		Derrumbe en las minas de arena vecinas
"	"	"	17000	E-W	2000	"	2:6	"	18.01.53		18.01.54	18.01.54	18.01.56	18.02.01	0.675	0.25	43		" " " " "
233	16	"	17000	N-S	2000	1.5	2:5	I _d	12.00.32		12.00.33	12.00.34	12.00.38	12.00.55	2.25	0.5	36	7	
"	"	"	17000	E-W	2000	"	2:6	"	12.00.32		12.00.33	12.00.34	12.00.38	12.00.55	1.80	0.5	28.4	7	
234	19	"	17000	N-S	2000	1.5	2:5	I _v	8.58.48	9.00.29	9.00.43	9.01.12	9.03.46	9.15.04	2.80	2	2.80	930	
"	"	"	17000	E-W	2000	"	2:6	"	8.58.48	9.00.28	9.00.37	9.01.20	9.04.49	9.14.49	2.05	4	5.51	920	
235	19	"	17000	N-S	2000	1.5	2:5	I _v	13.27.57		13.28.33	13.28.37	13.29.13	13.30.56	1.10	1	4.40	300	Tambor de Guerrero?
"	"	"	17000	E-W	2000	"	2:6	"	13.27.58		13.28.33	13.28.37	13.29.11	13.31.11	1.69	1	6.76	292	
236	20	"	17000	N-S	2000	1.5	2:5	II _d	3.09.56?		3.10.02	3.10.04	3.10.09	3.10.28	5.18	0.5	83	44	
"	"	"	17000	E-W	2000	"	2:6	"	3.09.56?		3.10.01	3.10.03	3.10.10	3.10.28	6.21	0.5	99	37	
237	22	"	17000	N-S	2000	1.5	2:5	I _d	1.50.20		1.50.25	1.50.26	1.50.32	1.50.52	2.70	0.5	43.20	37	
"	"	"	17000	E-W	2000	"	2:6	"	1.50.17		1.50.24	1.50.25	1.50.31	1.50.52	2.48	0.5	39.5	52	
238	23	"	17000	N-S	2000	1.5	2:5	I _d	13.17.29		13.17.33	13.17.34	13.17.39	13.17.55	3.02	0.5	12.08	30	
"	"	"	17000	E-W	2000	"	2:6	"	13.17.28		13.17.33	13.17.34	13.17.39	13.17.49	2.48	0.5	39.5	37	

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.		
239	24	Kiech.	17000	N-S	2000	1.5	2:5	III _v	21.38.04		21.39.00	21.39.27	21.40.10	?	17.91	17	71.24	445	
"	"	"	17000	E-W	2000	"	2:6	"	21.37.59		21.38.59	21.39.17	21.41.02	21.49.32	19.60	17	74.40	474	
"	"	"	1200	N-S	250	6	2:8	II _v	21.38.05?		21.38.59?	21.39.12	21.40.39	21.46.40	18.20	2	18.20	431?	
"	"	"	1200	E-W	250	"	"	"	21.37.53		21.38.53	21.39.14	21.40.20	21.46.38	14.50	27	14.50	374	
"	"	"	200	NE-SW	80	6.5	3:6	III _v	21.38.00		21.39.00	21.39.12	21.40.37	?		0.5		474	
"	"	"	200	NW-SE	80	6	"	II _v	21.37.59		21.38.57	21.39.15	21.40.13	21.48.11		0.5		460	
"	"	"	1300	Z	160	4	"	"	21.38.00		21.38.58	21.39.11	21.40.26	21.44.30	24.31	3	10.30	460	
240	26	"	17000	N-S	2000	1.5	2:5	I _r	16.18.41	16.22.57?	16.24.21							2632?	Las demás fases inciertas.
"	"	"	17000	E-W	2000	"	2:6	"	16.18.36	16.22.50?	16.24.06							2750?	" " " "
"	"	"	1200	N-S	250	6	2:8	"	16.16.47	16.22.58?	16.24.02							2512	" " " "
"	"	"	1200	E-W	250	"	"	"	16.18.36	16.22.59	16.24.17							2712	" " " "
241	26	"	17000	N-S	2000	1.5	2:5	I _d	18.15.09		18.15.14	18.15.15	18.15.21	?	1.35	0.5	20	74	
"	"	"	17000	E-W	2000	"	2:6	"	18.15.08		18.15.14	18.15.15	18.15.20	?	2.07	0.5	34	81	
242	26	"	17000	N-S	2000	1.5	2:5	I _v	22.37.46		22.38.20?	22.38.26	22.39.37	22.39.39	0.34	1	13.6	285?	
"	"	"	17000	E-W	2000	"	2:6	II _v	22.37.46		22.38.20	22.38.26	22.38.39	22.39.45?	0.34	1	5.44	292	
243	27	"	17000	N-S	2000	1.5	2:5	I _d	1.17.59		1.18.01	1.18.02	1.18.05					15	T. Muy rápido F. interferido con otro movimiento consecutivo.
"	"	"	17000	E-W	2000	"	2:6	"	1.17.59		1.18.00	1.18.01	1.18.04	1.18.05				15	T. Muy rápido.
244	27	"	17000	N-S	2000	1.5	2:5					1.18.06	1.18.10	1.18.40?					T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6					1.18.06	1.18.10	1.18.42?					" " "

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.	dg.		
245	2	Wiech.	17000	N-S	2000	1.5	2:5	II _V	0.50.02		0.50.40	0.50.50	0.51.26	0.53.37	3.02	1	12.02	314	
"	"	"	17000	E-W	2000	"	2:6	"	0.50.01		0.50.39	0.50.52	0.51.17	0.53.41?	3.04	1	12.12	314	
246	4	"	17000	N-S	2000	1.5	2:5	III _V	7.20.38?		7.21.21	7.21.34	7.22.06	7.24.32	3.19	1	12.76	351	
"	"	"	17000	E-W	2000	"	2:6	"	7.20.38		7.21.22	7.21.27	7.21.54	7.24.33	3.21	1	12.84	352	
247	4	"	17000	N-S	2000	1.5	2:5	I _V	7.34.31		7.35.15	7.35.23	7.35.40	7.36.40	0.34	1	1.36	358	
"	"	"	17000	E-W	2000	"	2:6	"	7.34.31		7.35.14	7.35.21	7.35.35	7.36.31	0.34	1	1.30	358	
248	4	"	17000	N-S	2000	1.5	2:5	III _V	7.44.44		7.45.28	7.45.46	7.46.32	7.49.38	5.28	1	21.12	358	M ₀ 7.46.02 T=1 A=15.7 u=5.28 d _g =21.12
"	"	"	17000	E-W	2000	"	2:6	"	7.44.43		7.45.27	7.45.38	7.46.28	7.49.38	6.08	1	24.32	358	M ₀ 7.45.50 T=1 A=15.5 u=5.24 d _g =20.96
249	6	"	17000	N-S	2000	1.5	2:5	III _V	8.24.06		8.24.40	8.25.04	8.25.34	8.27.00	4.03	1	16.12	265	
"	"	"	17000	E-W	2000	"	2:6	"	8.24.05		8.24.38	8.24.44	8.25.20	8.27.30	3.20	1	12.80	278	
250	7	"	17000	N-S	2000	1.5	2:5	I _V	9.02.30?		9.03.17	9.03.20	9.03.51	9.04.52	0.34	1	1.26	380	
"	"	"	17000	E-W	2000	"	2:6	"	9.02.30		9.03.18	9.03.23	9.03.44	9.05.33	0.34	1	1.36	386	
251	7	"	17000	N-S	2000	1.5	2:5	II _V	11.32.12		11.33.08	11.33.16	11.34.21	11.36.20	3.66	1	14.44	445	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	11.32.11		11.33.06	11.33.26	11.34.36	11.38.00	1.52	1	6.08	438	M ₀ 11.34.03 T=1 A=6 u=2.03 d _g =8.12.
252	7	"	17000	N-S	2000	1.5	2:5	I _V	23.55.53		23.56.24	23.56.46	23.57.12	23.59.06	1.00	1	4.00	263	
"	"	"	17000	E-W	2000	"	2:6	"	23.55.54		23.56.24	23.56.30	23.56.57	23.58.33	5.07	1	20.28	256	
253	8	"	17000	N-S	2000	1.5	2:5	I _T	4.35.16	4.37.45	4.38.03	4.38.34	4.39.59	4.45.34	1.83	2	1.69	1420	
"	"	"	17000	E-W	2000	"	2:6	"	4.35.16	4.37.39	4.37.57?	4.38.21	4.39.50	4.44.36	1.35	1	5.40	1350	
254	8	"	17000	N-S	2000	1.5	2:5	I _d	6.15.33		6.15.40	6.15.42	6.15.48	6.16.20	2.70	0.5	43.20	52	
"	"	"	17000	E-W	2000	"	2:6	"	6.15.33?		6.15.40	6.15.42	6.15.47	6.16.12	3.45	0.5	55.20	52	
255	8	"	17000	N-S	2000	1.5	2:5	I _d	22.13.21		22.13.22	22.13.22	22.13.24	22.13.25	?			7	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	22.13.20		22.13.21	22.13.22	22.13.24					"	"
256	8	"	17000	N-S	2000	1.5	2:5	I _d	22.13.25		22.13.26	22.13.27	22.13.31	22.13.42	?			7	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	II _d	22.13.25		22.13.26	22.13.27	22.13.31	22.13.50				"	"
257	9	"	17000	N-S	2000	1.5	2:5	I _d	1.04.18?		1.04.21	1.04.22	1.04.28	1.04.43				22	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	1.04.18		1.04.21	1.04.22	1.04.29	1.04.48				22	"

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		A.	T.	Ag.		
258	9	Wiech.	17000	N-S	2000	1.5	2:5	I _d	3.56.03		3.56.07	3.56.08	3.56.12					29	Periodo muy rápido F. Interferido.
"	"	"	17000	E-W	2000	"	2:6	"	3.56.02		3.56.06	3.56.07	3.56.11					29	" " " " "
259	9	"	17000	N-S	2000	1.5	2:5	I _d			3.56.12	3.56.13	3.56.18	3.56.35				?	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	?		3.56.11	3.56.12	3.56.15	3.56.33				?	" " "
260	9	"	17000	N-S	2000	1.5	2:5	I _d	4.41.37		4.41.41	4.41.43						29	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	4.41.37		4.41.40	?	4.41.43					29	" " "
261	9	"	17000	N-S	2000	1.5	2:5	I _d			4.41.43	4.41.46	4.41.52	4.42.14				?	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	?		4.41.43	4.41.45	4.41.50	4.42.06				15	" " "
262	9	"	17000	N-S	2000	1.5	2:5	I _d	15.28.34		15.28.35	15.28.37	15.28.43	15.29.05				7	Periodo muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	15.28.34		15.28.36	15.28.37	15.28.46	15.29.07				15	" " "
263	11	"	17000	N-S	2000	1.5	2:5	I _v	20.12.07		20.12.38	20.12.43	20.13.54	20.14.15	1.35	2	1.35	264	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	20.12.09		20.12.39	20.12.41	20.13.12	20.14.08	3.03	2	3.03	256	" " "
264	16	"	17000	N-S	2000	1.5	2:5	I _d	4.31.11		4.31.12	4.31.13	4.31.17	4.31.28	0.90	0.5	14.40	7	
"	"	"	17000	E-W	2000	"	2:6	"	4.31.11		4.31.12	4.31.12	4.31.16	4.31.26	2.30	0.5	37	7	
265	16	"	17000	N-S	2000	1.5	2:5	I _d	4.31.35		4.31.35	4.31.36	4.31.38		0.90	0.5	14.40	7	F. Interferido.
"	"	"	17000	E-W	2000	"	2:6	"	4.31.34		4.31.35	4.31.36	4.31.39		1.38	0.5	22	7	" "
266	16	"	17000	N-S	2000	1.5	2:5	II _d	?		4.31.43	4.31.45	4.31.50	4.32.20	3.38	0.5	54	?	
"	"	"	17000	E-W	2000	"	2:6	I _d			4.31.43	4.31.47	4.31.52	4.32.19				?	P. Interferido, T. muy rápida.
267	16	"	17000	N-S	2000	1.5	2:5	III _v	21.21.45		21.22.14	21.22.29	21.24.54	21.29.54	25.20	0.5	403	249	Tembor del Estado de Guerrero.
"	"	"	17000	E-W	2000	"	2:6	"	21.21.44		21.22.14	21.22.29	21.24.37	21.30.57	26.22	0.5	420	256	
"	"	"	200	NE-SW	80	6.5	3:5	"	21.21.45		21.22.15	21.22.25	21.22.59	21.28.49				256	
"	"	"	200	NW-SE	80	6	"	"	21.21.46		21.22.16	21.22.26	21.23.06	21.26.38		1		256	
"	"	"	1300	Z	160	4	"	"	21.21.46		21.22.167	21.22.40	21.23.55	21.27.25	23.7	3	11.6	256	
268	17	"	17000	N-S	2000	1.5	2:5	I _v	8.44.15		8.44.56	8.45.09	8.45.37	8.47.38	1.51	1	6.04	336	
"	"	"	17000	E-W	2000	"	2:6	"	8.44.15		8.44.57	8.45.06	8.45.39	8.47.11	2.53	0.5	40	343	
269	18	"	17000	N-S	2000	1.5	2:5	II _v	19.43.24		19.43.59	19.44.06	19.49.48	19.51.58	2.52	1	10.08	292	M. 19.44.16 T. 1 A=8 u=2.67 dg=10.58
"	"	"	17000	E-W	2000	"	2:6	"	19.43.24		19.43.59	19.44.07	19.44.43	19.47.07	4.23	1	15.32	292	Tembor de Guerrero.

Núm.	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	Ag		
270	21	Wiech.	17000	N-S	2000	1.5	2:5	II _v	14.21.52		14.22.59	14.22.38	14.24.19	14.29.56	12.04	1.5	21.40	307	
"	"	"	17000	E-W	2000	"	2:6	"	14.21.53		14.22.29	14.22.47	14.23.52	14.28.00	15.29	1	53.56	300	
271	22	"	17000	E-W	2000	1.5	2:6	I _r	?	10.03.24?	10.04.25							2400	Las otras fases muy mal registradas.
272	22	"	17000	N-S	2000	1.5	2:5	III _v	16.05.27		16.05.57	16.05.05	16.06.49	16.10.51	4.70	1	12.90	256	
"	"	"	17000	E-W	2000	"	2:6	"	16.05.26		16.05.56	16.06.09	16.06.55	16.09.52	5.67	1.5	10.5	256	
273	24	"	17000	N-S	2000	1.5	2:5	I _v	20.18.29		20.18.58	20.19.08	20.19.38	20.20.59	0.87	1	2.68	249	
"	"	"	17000	E-W	2000	"	2:6	"	20.18.28		20.18.58	20.19.09	20.19.26	?	0.65	1	3.40	256	
274	25	"	17000	N-S	2000	1.5	2:5	I _v	5.56.16		5.56.17	5.56.17	5.56.21	5.56.52	3.22	0.5	52	7	
"	"	"	17000	E-W	2000	"	2:6	"	5.56.16		5.56.16	5.56.18	5.56.22	5.56.37				0	T. Muy rápida.
275	25	"	17000	N-S	2000	1.5	2:5	I _v	12.57.18		12.58.19	12.59.54	12.59.21	12.01.55	1.15	1	4.72	461	
"	"	"	17000	E-W	2000	"	2:6	"	12.56.43		12.57.45	12.57.53	12.58.58	13.02.25	1.19	1	4.72	466	
276	26	"	17000	N-S	2000	1.5	2:5	II _v	7.59.07		8.01.20	8.04.15	8.09.25	8.26.33	10.88	5	4.94	1250	
"	"	"	17000	E-W	2000	"	2:6	III _r	7.59.07		8.01.20	8.04.25	8.09.30	8.25.01	15.44	5	2.47	1250	Membr. de Sonora?
"	"	"	1200	N-S	250	6	2:6	II _r	7.59.16		8.01.30	8.03.00	8.05.54	8.33.54	16.48	4	0.63	1270	
"	"	"	1200	E-W	250	"	"	"	7.59.15		8.01.30	8.02.06	8.05.54	8.31.26	19.58	4	4.83	1270	
"	"	B.Omo.	10	N-S	15	30	30.5	"			8.01.22	8.02.15	8.03.57	8.24.42		5		?	
277	27	Wiech.	17000	N-S	2000	1.5	2:5	I _d	18.48.40		18.48.40	18.48.43	18.48.47	18.49.00				0	T. Muy rápida.
"	"	"	17000	E-W	2000	"	2:6	"	18.48.40		18.48.40	18.48.42	18.48.47	18.49.01				0	T. Muy rápida.
178	27	"	17000	N-S	2000	1.5	2:5	I _v	18.49.56		18.49.56	18.49.58	18.50.01	18.50.15				0	T. Muy rápida.
"	"	"	17000	E-W	2000	"	2:6	"	18.49.57		18.49.57	18.49.58	18.50.03	18.50.16				0	" " "
279	27	"	17000	N-S	2000	1.5	2:5	I _v	21.17.06		21.17.08	21.17.10	21.17.13	21.17.23		0.5		14	
"	"	"	17000	E-W	2000	"	2:6	"	21.17.06		21.17.07	21.17.11	21.17.14	21.17.18				7	T. Muy rápida.
280	30	"	17000	N-S	2000	1.5	2:5	I _v	16.53.47		16.54.22	16.54.36	16.54.32	16.55.23	0.57	1	2.62	292	
"	"	"	17000	E-W	2000	"	2:6	"	16.53.47		16.54.23	16.54.37	16.55.01	16.55.56	0.34	1	1.36	300	
281	31	"	17000	N-S	2000	1.5	2:5	II _v	2.19.55		2.20.24	2.20.36	2.21.21	2.22.03	6.22	1	24.68	240	
"	"	"	17000	E-W	2000	"	2:6	"	2.19.54		2.20.23	2.20.37	2.21.22	2.23.00	4.73	1	12.92	249	
JAN																			

Estación Sismológica de Mérida, Yuc.

Cementerio Municipal

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

Observador, *Rafael Acosta Ocampo*.

DOTACION DE INSTRUMENTOS

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

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.	Seg.		
1	8	Wiech.	1200	N-S	135	5	5	I _V	9.47.14		9.48.02	9.48.22	9.49.10	9.50.50	6.7	2	6.7	387	
"	"	"	1200	E-W	"	"	"	"	9.47.12		9.48.03	9.48.23	9.49.12	9.51.05	14	2	14	409	
2	11	"	1200	E-W	135	5	5	I _V				20.00.45	20.01.02	20.02.50	6.7	2	6.7		
3	22	"	1200	N-S	135	5	5	I _U	8.10.45	8.16.18	8.19.57	8.28.36	8.40.51	9.11.00	228	20	228	7840	
"	"	"	1200	E-W	"	"	"	"	8.10.45	8.16.16	8.19.55	8.28.35	8.40.40	9.04.30	228	20	228	7800	
4	31	"	1200	N-S	135	5	5	I _V	16.58.18		16.59.14	16.59.22	17.00.05	17.02.50	6.7	2	6.7	445	
"	"	"	1200	E-W	"	"	"	"	16.58.18		16.59.16	16.59.23	17.00.08	17.04.10	13	2	13	460	
"	"	"	1300	Z	40	1.5	3.5	"	16.58.18		16.59.12	16.59.30	17.01.00	17.04.25	37	1	74	431	
									F E B R E R O.										
5	10	"	1200	E-W	135	5	5	I _V	18.23.21		18.24.21	18.24.42	18.25.05	18.29.05	33	2	33	474	
6	3	"	1200	N-S	135	5	5	II _U	16.14.09	16.24.48	16.43.00	16.47.38	17.08.48	18.12.05	684	28	30	10500	Tembor del Japon.
"	"	"	1200	E-W	"	"	"	"	16.14.09	16.24.51	16.43.06	16.47.51	17.10.51	18.25.10	2280	28	11	10520	" " "
"	"	"	1300	Z	40	1.5	3.5	II _V	16.14.06	?	16.43.00	16.47.40	17.03.20	18.05.05	?	26	?	10520	
7	8	"	1200	N-S	135	5	5	I _V	0.35.52		0.37.30	0.38.07	0.43.20	0.56.20	47	2	47	750	
"	"	"	1200	E-W	"	"	"	"	0.35.52		0.37.30	0.38.09	0.43.27	0.58.30	61	2	61	750	
"	"	"	1300	Z	40	1.5	3.5	"	0.35.50		?	0.38.04	0.41.10	?	237	2	237	?	
8	8	"	1200	N-S	135	5	5	II _V	14.12.15		14.13.48	14.14.04	14.19.56	14.27.15	128	2	128	750	Del mismo foco que el anterior.
"	"	"	1200	E-W	"	"	"	"	14.12.15		14.13.48	14.14.06	14.20.04	14.31.05	103	2	103	750	" " " " " "
"	"	"	1300	Z	40	1.5	3.5	"	14.12.13		14.13.46	14.14.03	14.19.26	14.30.00	1264	2	1264	750	
9	9	"	1200	N-S	135	5	5	I _V	3.04.45		3.05.43	3.06.03	3.08.25	3.13.00	33	2	33	460	
"	"	"	1200	E-W	"	"	"	"	3.04.45		3.05.45	3.06.06	3.08.33	3.13.40	20	2	20	474	
"	"	"	1300	Z	40	1.5	3.5	"	0.04.43		?	3.06.08	3.07.50	3.11.55	671	2	671	?	
10	13	"	1200	N-S	135	5	5	I _V	20.58.20			21.01.05		21.04.55	6.7	2	6.7	?	
"	"	"	1200	E-W	"	"	"	"	20.58.20			21.01.08		21.05.23	6.7	2	6.7	?	
11	18	"	1200	E-W	135	5	5	I _V	22.22.21		22.23.06	22.23.22	22.24.22	22.29.20	6.7	2	6.7	365	
12	27	"	1200	N-S	135	5	5	I _V	4.44.15		4.45.03	4.45.45	4.46.00	4.49.10	33	2	33	387	
"	"	"	1200	E-W	"	"	"	"	4.44.15		4.45.03	4.45.48	4.46.03	4.50.05	169	2	169	387	
"	"	"	1300	Z	40	1.5	3.5	"	4.44.14		4.45.02	4.45.05	4.47.50	4.52.10	93	1	372	387	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES	
		Amplitud	Masa	Comp.	V.	T.	c.		P.	S.	L.	M.	G.		μ.	τ.	A.			
13	4	Wiech.	1200	N-S	135	5	5	I _V	22.20.29		22.21.41	22.21.56	22.22.13	22.25.25	12	3	5	561		
"	"	"	1200	E-W	"	"	"	"	22.20.29		22.21.41	22.21.58	22.22.15	22.25.35	12	3	5	561		
14	21	"	1200	E-W	135	5	5	I _V	14.32.09		14.32.54	14.33.03	14.34.03	14.36.15	6,7	2	6,7	365		
15	27	"	1200	N-S	135	5	5	I _V	11.25.49		11.26.49	11.27.04	11.27.55	11.30.05	6,7	2	6,7	474		
16	20	"	1200	N-S	135	5	5	I _V	16.46.33	A B R I L.			16.47.54	16.48.15	16.50.00	16.57.05	37	3	16	627
"	"	"	1300	Z	40	1.5	3.5	"	16.46.31		16.47.52	16.48.12	16.49.10	16.55.00	553	2	553	605		
17	30	"	1200	E-W	135	5	5	I _V	15.24.06	15.25.06	15.25.42	15.26.00	15.27.30	15.32.00	18	4	4	736		
18	10	"	1200	E-W	135	5	5	I _V	?	M A Y O			15.55.39	15.55.49	15.56.44	15.59.55	6,2	3	2,7	?
19	10	"	1200	E-W	135	5	5	"	?		?	17.36.30	17.37.32	17.42.05	?	3	?	?		
20	10	"	1200	N-S	135	5	5	I _V	1.00.15	J U N I O.			1.01.26	1.01.47	1.02.40	1.04.40	6,2	3	2,7	554
"	"	"	1200	E-W	"	"	"	"	1.00.15		1.01.27	1.01.49	1.02.50	1.05.35	6,2	3	2,7	561		
21	28	"	1200	N-S	135	5	5	I _V	21.46.54		21.48.09	21.48.23	21.49.40	21.53.00	24	3	11	583		
"	"	"	1200	E-W	"	"	"	"	21.46.54		21.48.09	21.48.24	21.49.45	21.53.50	21	3	36	583		
22	20	"	1200	N-S	135	5	5	I _V	0.53.09	A G O S T O.			0.53.57	0.54.07	0.54.43	0.58.45	6	4	1,3	387
"	"	"	1200	E-W	"	"	"	"	0.53.09		0.53.57	0.54.09	0.54.50	0.58.55	12	4	3	387		
23	28	"	1200	E-W	135	5	5	I _r	23.17.36	23.21.18	23.23.06	23.26.09	23.32.35	23.52.40	108	15	3	2220		
24	10	"	1200	E-W	135	5	5	II _u	3.15.01	S E P T I E M B R E.			4.19.31	4.46.58	5.20.15	228	20	2,0		
25	2	"	1200	N-S	135	5	5	I _r	22.43.36			22.50.00	22.57.00	?	26	6	3			
26	5	"	1200	N-S	135	5	5	I _V	16.09.51		16.10.55	16.11.10	16.12.05	16.15.00	13	3	5,4	504		
"	"	"	1200	E-W	"	"	"	"	16.09.51		16.10.57	16.11.12	16.12.09	16.16.15	13	3	5,4	518		
27	24	"	1200	N-S	135	5	5	I _V	7.48.11		7.49.17	7.49.26	7.50.41	7.54.05	17	2	13	518		
"	"	"	1200	E-W	"	"	"	"	7.48.11		?	7.49.24	7.50.35	7.52.55	13	2	13	?		
28	30	"	1200	E-W	135	5	5	I _u	1.29.03		1.42.25	1.51.20	2.03.05	2.40.55	228	20	2	?		

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		P.	T.	ag.		
29	30	Wiech.	1200	N-S	135	5	5	I _v	9.04.46		9.05.35	9.05.47	9.06.40	9.06.15	13.5	2	13.5	402	
"	"	"	1200	E-W	"	"	"	"	9.04.45		9.05.36	9.05.48	9.05.48	9.06.24	13.5	2	13.5	409	
										N O V	I E M B R E.								
30	2	"	1200	E-W	135	5	5	I _u	?	?	21.57.47	22.06.49	22.22.50	?	21	16	1.1		
31	3	"	1200	E-W	135	5	5	I _r	8.40.03			8.49.11	8.53.15	?	54	14	1		
32	19	"	1200	N-S	135	5	5	I _v	9.03.36		9.04.38	9.05.07	9.06.25	9.20.00	37	3	16	707	
"	"	"	1200	E-W	"	"	"	"	9.03.36		9.04.39	9.05.09	9.07.39	9.22.35	137	3	61	714	
33	24	"	1200	E-W	135	5	5	I _v	23.44.12		23.45.40	23.45.58	23.48.00	?	13	2	13	750	
34	26	"	1200	E-W	135	5	5	I _v	16.23.25		16.24.55	16.25.23	16.26.43	?	49	3	22	692	
										D I C	I E M B R E.								
35	8	"	1200	N-S	135	5	5	I _v	3.29.08		3.30.07	3.30.15	3.31.25	3.35.00	12	3	5.5	467	
"	"	"	1200	E-W	"	"	"	"	3.29.08		3.30.08	3.30.16	3.31.31	3.36.30	18	3	9	474	
36	22	"	1200	E-W	135	5	5	I _r	7.07.34			7.11.51			12	4	3		
37	22	"	1200	N-S	135	5	5	I _v	15.53.56?		15.54.46?	15.54.50	15.55.28	?	12	2	12	401	
"	"	"	1200	E-W	"	"	"	"	15.53.54		15.54.45	15.54.50	15.55.35	15.58.20	12	2	12	409	

Estación Sismológica de Oaxaca, Oax.

Hacienda 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 sismógrafo vertical de 80 kgs. del Prof. E. Wiechert.

Número	Fecha	INSTRUMENTO			CONSTANTE			Código	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
1	4	Wiesh.	200	N-S	81	5	4.5	I _u	22.48.57		22.49.06	22.49.09	22.49.40	22.50.35	190	2	190	67	
"	"	"	200	E-W	81	"	"	"	22.48.57		22.49.06	22.49.09	22.49.49	22.50.55	302	2	302	67	
"	"	"	80	Z	80	5	4.3	"	22.48.57		22.49.05	22.49.10	22.49.45	22.51.00	51	2	51	60	
2	4	"	200	N-S	81	5	4.5	I _v	23.30.13		23.30.40	23.30.43	23.30.56	23.31.55	22	2	22	234	
"	"	"	200	E-W	81	"	"	"	23.30.13		23.30.40	23.30.44	23.31.00	23.32.00	11	2	11	234	
3	22	"	200	N-S	81	5	4.5	I _r	9.08.30	?	9.18.32	9.21.40	9.27.00	9.50.00	128	12	3.6	?	
"	"	"	200	E-W	81	"	"	"	9.08.30	9.13.45	9.18.36	9.21.45	9.27.45	9.53.00	256	12	7	3470	
4	24	"	200	N-S	81	5	4.5	I _u	20.47.27		20.48.00	20.48.04	20.48.45	20.49.45	11	2	11	278	
"	"	"	200	E-W	81	"	"	"	20.47.27		20.48.00	20.48.04	20.48.49	20.49.55	11	2	11	278	
5	25	"	200	N-S	81	5	4.5	I _u	14.18.57		14.19.21	14.19.26	14.20.55	14.24.00	112	2	112	212	
"	"	"	200	E-W	81	"	"	"	14.18.57		14.19.21	14.19.27	14.20.42	14.25.45	123	2	123	212	
"	"	"	80	Z	80	5	4.3	"	14.18.57		14.19.21	14.19.25	14.20.40	14.24.20	17	2	17	212	
6	31	"	200	N-S	81	5	4.5	I _v	?		?	9.48.02	9.48.35	9.49.20	11	2	11		
"	"	"	200	E-W	81	"	"	"	?		?	9.48.02	9.48.40	9.49.25	11	2	11		
F E B R E R O .																			
7	10	"	200	N-S	81	5	4.5	I _v	18.22.03		18.22.27	18.22.32	18.23.00	18.24.55	11	2	11	212	
"	"	"	200	E-W	81	"	"	"	18.22.03		18.22.27	18.22.33	18.23.03	18.25.05	11	2	11	212	
8	3	"	200	N-S	81	5	4.5	II _u	16.12.30	?	16.35.20	16.42.00	16.51.00	?	873	30	38	9200	Tembor del Japón.
"	"	"	200	E-W	81	"	"	III _u	16.12.30	16.22.51	16.35.23	16.42.02	16.55.32	18.08.37	890	30	40	9210	" " "
"	"	"	80	Z	80	5	4.3	I _u	16.12.28	?	?	16.42.00	16.53.20	17.56.00	1377	30	60	?	
9	8	"	200	N-S	81	5	4.5	III _v	0.30.47		0.31.20	0.31.35	0.34.40	0.50.05	504	2	504	278	
"	"	"	200	E-W	81	"	"	"	0.30.47		0.31.20	0.31.36	0.34.00	0.48.10	370	2	370	278	
"	"	"	80	Z	80	5	4.3	"	0.30.45		0.31.18	0.31.40	0.33.10	0.40.10	247	2	240	278	
10	8	"	200	E-W	81	5	4.5	III _u	14.09.15		14.09.27	14.09.33	14.12.33	14.09.03	628	2	628	90	No lo registro el vertical por estar cambiando papel a esa hora.
11	14	"	200	N-S	81	5	4.5	I _u	15.42.30		15.42.42	15.42.46	15.43.16	15.45.55	67	2	67	90	
"	"	"	200	E-W	81	"	"	"	15.42.30		15.42.42	15.42.45	15.43.10	15.45.05	44	2	44	90	
12	14	"	200	N-S	81	5	4.5	I _v	?		?	22.15.03	22.15.30	22.16.30	11	2	11		

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	u.		P.	S.	L.	M.	C.		u.	T.	Δg.		
13	18	Wiesch.	200	E-W	81	5	4.5					21.20.25							
14	20	"	200	N-S	81	5	4.5	I _v	19.04.09		19.04.54	19.05.02	19.06.02	19.09.22	100	2	100	365	
"	"	"	200	E-W	81	"	"	"	19.04.09		19.04.54	19.05.00	19.05.55	19.08.10	66	2	66	365	
"	"	"	80	Z	80	5	4.3	"	19.04.08		19.04.52	19.05.00	19.05.55	19.07.00	22	2	22	350	
15	21	"	200	N-S	81	5	4.5		?		11.47.18	11.47.28	11.48.00	11.49.20	22	2	22	?	
16	23	"	200	N-S	81	5	4.5	I _v	10.52.33		10.52.50	10.52.51	10.53.08	10.54.00	11	2	11	127	
"	"	"	200	E-W	81	"	"	"	10.52.33		10.52.50	10.52.53	10.53.14	10.54.54	22	2	22	127	
17	24	"	200	N-S	81	5	4.5	I _v	11.14.27		11.14.44	11.14.46	11.15.05	11.15.55	11	2	11	127	
"	"	"	200	E-W	81	"	"	"	11.14.27		11.14.44	11.14.50	11.15.10	11.16.00	11	2	11	127	
18	26	"	200	N-S	81	5	4.5	I _v	?		13.59.21	13.59.27	13.59.40	14.00.10	11	2	11		
"	"	"	200	E-W	81	"	"	"	?		13.59.21	13.59.26	13.59.38	14.00.12	11	2	11		
19	27	"	200	N-S	81	5	4.5	I _v	6.42.54		6.43.24	6.43.33	6.44.18	6.48.20	11	2	11	256	
"	"	"	200	E-W	81	"	"	"	6.42.54		6.43.24	6.43.34	6.44.20	6.48.25	22	2	22	256	
M A R Z O .																			
20	4	"	200	N-S	81	5	4.5	II _d	22.14.57		22.15.06	22.15.09	22.16.09	22.19.12	100	2	100	67	
"	"	"	200	E-W	81	"	"	"	22.14.57		22.15.06	22.15.10	22.16.15	22.19.36	213	2	213	67	
"	"	"	80	Z	80	5	4.3	"	22.14.56		22.15.05	22.15.08	22.16.06	22.18.00	67	2	67	60	
A B R I L .																			
21	2	"	200	N-S	81	5	4.5	I _v	1.46.15		1.46.46	1.46.56	1.48.26	1.50.38	180	2	180	275	
"	"	"	200	E-W	81	"	"	"	1.46.15		1.46.46	1.46.58	1.48.38	1.51.00	89	2	89	275	
"	"	"	80	Z	80	5	4.3	"	1.46.15		1.46.47	1.46.56	1.47.58	1.49.00	17	2	17	270	
22	2	"	200	N-S	81	5	4.5	II _v	18.04.43		18.05.43	18.07.15	18.07.30	18.12.35	67	2	67	474	
"	"	"	200	E-W	81	"	"	"	18.04.43		18.05.43	18.07.12	18.07.22	18.11.15	168	2	168	474	
"	"	"	80	Z	80	5	4.3	"	18.04.42		18.05.45	18.07.18	18.08.48	18.10.10	67	2	67	495	
23	4	"	200	N-S	81	5	4.5	I _v	12.34.30		12.34.45	12.34.49	12.35.19	12.37.34	34	2	34	112	
"	"	"	200	E-W	81	"	"	"	12.34.30		12.34.45	12.34.50	12.35.22	12.37.50	45	2	45	112	
24	11	"	200	N-S	81	5	4.5	I _v	16.15.18		16.15.33	16.15.42	16.16.02	16.17.47	22	2	22	112	En la componente E-W apenas perceptible.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Antor	Masa	Comp.	V.	T	e.		P.	S.	L.	M.	C.		μ.	T	sg.		
25	20	Wiech.	200	N-S	81	5	4.5	II	5.50.33		5.51.02	5.51.07	5.53.20	5.02.20	213	3	91	249	
"	"	"	200	E-W	81	"	"	"	5.50.33		5.51.03	5.51.09	5.53.27	5.04.30	406	3	180	256	
"	"	"	80	Z	80	5	4.3	"	5.50.29		5.51.00	5.51.05	5.53.00	5.59.05	198	3	90	234	
26	20	"	200	N-S	81	5	4.5	I _v	16.49.33		16.50.04	16.50.07	16.51.00	16.55.30	136	4	33	263	
"	"	"	200	E-W	81	"	"	"	16.49.33		16.50.03	16.50.08	16.51.10	16.55.45	136	4	34	256	
"	"	"	80	Z	80	5	4.3	"	16.49.33		16.50.03	16.50.08	16.50.53	16.54.55	70	4	17	256	
27	28	"	20																
27	28	"	200	E-W	81	5	4.5	"	?		6.19.57	6.20.02	6.20.25	6.22.05	22	2	22	?	En la componente N-S apenas perceptible.
28	5	"	200	N-S	81	5	4.5	I _v	8.12.54	M A Y O	8.14.21	8.14.47	8.15.35	8.18.45	9	4	3	670	
"	"	"	200	E-W	81	"	"	"	8.12.54		8.14.21	8.14.49	8.15.50	8.19.55	27	4	6	670	
29	31	"	200	N-S	81	5	4.5	I _d	2.37.30		2.37.42	2.37.43	2.38.00	2.39.10	11	1	44	90	
"	"	"	200	E-W	81	"	"	"	2.37.30		2.37.42	2.37.44	2.38.02	2.39.17	22	1	68	90	
30	2	"	200	N-S	81	5	4.5	"	?	J U L I O.	?	21.44.48	21.45.05	21.46.08	12	1	48		Microseismo apenas perceptible.
"	"	"	200	E-W	81	"	"	"	?			21.44.48	21.45.05	21.46.08	12	1	48		" " "
31	20	"	200	N-S	81	5	4.5	I _v	0.42.51	G O S T O	0.43.18	0.43.22	0.44.08	0.46.46	24	1	96	234	
"	"	"	200	E-W	81	"	"	"	0.42.51		0.43.18	0.43.21	0.44.06	0.46.36	24	1	96	234	
32	24	"	200	N-S	81	5	4.5	"			19.11.30								
"	"	"	200	E-W	81	"	"	"			19.11.30								
33	25	"	200	N-S	81	5	4.5	I _v	?		5.09.01	5.09.13	5.09.59	5.11.55	31	3	14	?	
"	"	"	200	E-W	81	"	"	"	?		5.09.00	5.09.12	5.09.57	5.12.17	31	3	14	?	
34	26	"	200	N-S	81	5	4.5	I _v	23.16.21		23.20.29	23.21.14	23.24.20	23.41.00	272	15	40	2856	
"	"	"	200	E-W	81	"	"	"	23.16.21		23.20.27	23.21.12	23.24.15	23.40.20	272	15	40	2846	
35	10	"	200	N-S	81	5	4.5	I _v	?	S E P T I E M B R E.	?		?	5.40.50					
"	"	"	200	E-W	81	"	"	"	?		?	3.39.39	?	?	5.40.50				
36	5	"	200	N-S	81	5	4.5	I _v	1.35.15		1.35.41	1.35.44	1.36.08	1.37.00	12	1	48	227	
"	"	"	200	E-W	81	"	"	"	1.35.15		1.35.42	1.35.45	1.36.12	1.37.15	12	1	49	234	

Estación Seismológica de O A X A C A, O A X.

Mes de S E P T E M B R E

de 1923.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Observaciones
		Auto	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		n.	T.	Ag.	
37	12	Wiesch.	200	N-S	81	5	4.5	I _v	16.57.15		16.57.42	16.57.46	16.58.20	16.59.50	55	2	56	234
"	"	"	200	E-W	81	"	"	"	16.57.15		16.57.42	16.57.47	16.58.23	16.59.52	112	2	112	234
"	"	"	80	Z	80	5	4.3	"	16.57.15		16.57.41	16.57.46	16.57.55	16.58.55	19	2	22	217
O C T U B R E .																		
38	10	"	200	N-S	81	5	4.5	I _v	?		22.50.49	22.50.51	22.51.25	22.52.20	12	1	48	?
"	"	"	200	E-W	81	"	"	"	?		22.50.48	22.50.51	22.51.31	22.52.55	12	1	48	?
39	26	"	200	N-S	81	5	4.5	I _v	5.20.31		5.21.05	5.21.10	5.21.44	5.23.50	67	2	67	255
"	"	"	200	E-W	81	"	"	"	5.20.31		5.21.05	5.21.11	5.21.44	5.23.44	68	2	68	255
"	"	"	80	Z	80	5	4.3	"	5.20.30		5.21.03	5.21.09	5.21.38	5.23.10	44	2	64	275
40	30	"	200	N-S	81	5	4.5	I _v	?		9.07.32	9.07.46	9.08.30	?	10	3	4	?
"	"	"	200	E-W	81	"	"	"	9.06.34		9.07.33	9.07.47	9.08.32	?	10	3	4	309
N O V I E M B R E .																		
41	9	"	200	N-S	81	5	4.5	"	?		3.33.02	3.33.20	3.34.50	3.46.05	33	9	1.6	?
"	"	"	200	E-W	81	"	"	I _r	?		3.33.00	3.33.21	3.34.57	3.47.10	68	9	3.2	?
42	19	"	200	N-S	81	5	4.5	"				8.58.45						del definida.
"	"	"	200	E-W	81	"	"	"				8.58.45						"
43	24	"	200	N-S	81	5	4.5	I _d	21.49.33		21.49.45	21.49.50	21.51.10	21.55.00	180	2	180	97
"	"	"	200	E-W	81	"	"	"	21.49.33		21.49.46	21.49.51	21.51.12	21.55.15	181	2	181	97
"	"	"	80	Z	80	5	4.3	"	21.48.33		21.49.46	21.49.50	21.50.00	21.53.58	137	2	137	97
D I C I E M B R E .																		
44	7	"	200	N-S	81	5	4.5	I _v	11.33.12		11.33.34	11.33.37	11.34.14	11.36.20	22	2	22	164
"	"	"	200	E-W	81	"	"	"	11.33.12		11.33.34	11.33.36	11.34.10	11.36.05	22	2	22	164
J A N																		

Estación Sismológica de Manzanillo, Col.

Cerro de "El Vigía"

ϕ 19°03'15". λ 104°19'50". W. de Greenwich. $a = 60$ mts.

Observador, *Lorenzo Fernández*.

DOTACION DE INSTRUMENTOS

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

Número	Fecha	INSTRUMENTO			CONSTANTES			Código	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	A.		P.	S.	L.	M.	C.		H.	T.	Ag.		
1	22	Wiech.	125	E-W	80	3.5	3	I _r	9.23.39	9.28.23?	9.31.54	9.37.30	9.42.24	9.59.39	56	8	3.5	30147	Norte de California (E.U.)?
2	26	"	125	N-S	80	3	3.5	II _v	8.16.24		8.16.45	8.16.50	8.18.04	8.21.00	99	0.5	1632	190	
"	"	"	125	E-W	80	3.5	3	"	8.16.22		8.16.43	8.16.49	8.18.20	8.20.59	49	0.5	784	190	
F E B R E R O																			
3	7	"	125	N-S	80	3	3.5	II _v	14.17.39		14.19.27	14.19.59	14.22.19	14.30.39	288	2	288	823	
"	"	"	125	E-W	80	3.5	3	"	14.17.39		14.19.27	14.19.47	14.22.07	14.30.35	145	2	145	823	
"	"	"	80	Z	80	4	4	I _v	14.17.39		14.19.25	14.19.54	14.21.46	14.28.37	74	2	74	508	
4	8	"	125	N-S	80	3	3.5	III _v	0.37.54		0.38.45	0.39.24	0.44.18	0.53.06	703	1	2812	409	Guerrero.
"	"	"	125	E-W	80	3.5	3	"	0.37.50		0.38.42	0.39.50	0.44.42	0.54.14	480	1.5	853	416	"
"	"	"	80	Z	80	4	4	"	0.37.50		0.38.40	0.38.40	0.42.11	0.52.11	283	1.5	503	401	"
5	25	"	125	N-S	80	3	3.5	I _v	19.15.54		19.16.18	19.16.27	19.17.00	19.19.33	18	2	72	212	
"	"	"	125	E-W	80	3.5	3	"	19.15.54		19.16.18	19.16.33	19.17.00	19.19.24	19	2	76	212	
6	27	"	125	N-S	80	3	3.5	III _v	20.36.30		20.37.14	20.37.30	20.39.27	21.00.54	157	3	69	357	
"	"	"	125	E-W	80	3.5	3	"	20.36.30		20.37.10	20.37.35	20.42.23	21.02.23	337	3	149	328	
"	"	"	80	Z	80	4	4	II _v	20.36.30		20.37.11	20.38.30	20.41.41	20.57.41	65	4	16	336	
M A R Z O.																			
7	26	"	125	N-S	80	3	3.5	I _v	13.45.33?		13.46.45	13.46.51?	13.48.03	13.53.54	9	3	4	539?	
"	"	"	125	E-W	80	3.5	3	"	13.45.23		13.46.43	13.46.53	13.48.30	13.56.57	8	3	3.6	525	
J U N I O.																			
8	4	"	125	N-S	80	3	3.5	I _d	20.01.21		20.01.29	20.01.38	20.02.07	20.02.52	322	1	1288	60	Coahuila, Mich.
"	"	"	125	E-W	80	3.5	3	"	20.01.21		20.01.29	20.01.39	20.02.25	20.03.52	105	1	420	60	"
9	21	"	125	N-S	80	3	3.5	II _d	2.18.10		2.18.22	2.18.28	2.20.04	2.25.40	388	3	192	99	
"	"	"	125	E-W	80	3.5	3	I _d	2.18.10		2.18.22	2.18.25	2.20.07	2.24.04	102	3	45	89	
10	21	"	125	N-S	80	3	3.5	II _d	22.18.22		22.18.32	22.18.46	22.19.42	22.22.02	268	3	119	75	
"	"	"	125	E-W	80	3.5	3	I _d	22.18.24		22.18.34	22.18.48	22.19.12	22.21.18	125	3	55	75	
11	24	"	125	N-S	80	3	3.5	I _d	21.19.30		21.19.40	21.19.57	21.21.13	?	370	3	164	75	
"	"	"	125	E-W	80	3.5	3	II _d	21.19.30		21.19.40	21.19.56	21.21.44	21.25.04	235	3	104	75	
"	"	"	80	Z	80	4	4	I _d	21.19.30		21.19.39	21.19.50	21.21.24	21.23.42	75	3	33	67	
12	26	"	125	N-S	80	3	3.5	I _d	1.26.47		1.26.57	1.26.57	1.27.56	1.29.38	23	2	23	75	
"	"	"	125	E-W	80	3.5	3	"	1.26.47		1.26.58	1.27.00	1.27.24	1.28.56	?	?	?	82	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES	
		Ampl.	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		p.	T.	Ag.			
13	3	Wiech.	125	N-S	80	3	3.5	I	?		16.00.51	16.01.33	16.03.03	?	5	3	2	?		
"	"	"	125	E-W	80	3.5	3	"	?		16.00.51	16.01.51	16.03.03	?	4	3	1.9	?		
14	7	"	125	N-S	90	3	3.5	I _d	1.42.38		1.42.47							67	Coahuila, Mich.	
"	"	"	125	E-W	80	3.5	3	"	1.42.38		1.42.46	1.42.50	1.44.58	1.49.18	463	2	463	59	"	
"	"	"	80	Z	80	4	4	II _d	1.42.38		1.42.44	1.42.49	1.44.53	1.47.45	143	2	143	45	"	
15	25	"	125	N-S	80	3	3.5	III _d	23.34.15		23.34.27	23.34.37	23.35.55	23.40.25	152	3	78	89		
"	"	"		E-W	80	3.5	3	"	23.34.15		23.34.28	23.34.38	23.36.18	23.40.33	87	2	86	97		
"	"	"	80	Z	80	4	4	I _d	23.34.15		23.34.26	23.34.32	23.35.03	23.36.14	28	3	12	92		
16	28	"	125	N-S	90	3	3.5	II _v	23.15.19		23.17.13	23.18.40	23.34.04	23.44.40	37	3	16	867	Ahoré, Margen izquierda del Río - Fuerte, Sinaloa.	
"	"	"		E-W	80	3.5	3	"	23.15.19		23.17.13	23.18.34	23.23.28	23.44.40	31	3	13	867		
"	"	"	80	Z	80	4	4	I _v	23.15.19		23.17.12	23.19.05	23.21.11	23.44.50	21	5	3	860		
17	10	"	125	E-W	80	3.5	3	II _u	3.12.21	S E P T I E M B R E. N O V I E M B R E.	3.23.00	3.38.38	3.50.02	4.39.33	?	199	20	2	9580	Japón.
18	9	"	125	N-S	80	3	3.5	I _v			3.18.38?	3.19.45	3.21.15	3.29.25	67	5	10	?	Se trasladó la Estación a Manzanillo.	
"	"	"	125	E-W	80	3.5	3	"			3.18.29	3.18.55	3.20.48	3.33.27	61	5	9	?		
"	"	"	80	Z	80	4	4	"			3.18.15?	3.19.06	3.22.00	3.29.03	50	5	8	?		
19	16	"	125	N-S	80	3	3.5	I _v		D I C I E M B R E.	21.16.48	21.17.02	21.17.19	21.18.35	6	1	23	?	Correspondiente a un temblor registra- do en la Estación Central, con epi- foco en Guerrero.	
"	"	"	125	E-W	80	3.5	3	"			21.16.50	21.16.56	21.17.22	?	2	2	2	?		
JAL.																				

Estación Sismológica de Mazatlán, Sin.

Cerro de "El Vigía"

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

Observador, *E. Shober*.

DOTACION DE INSTRUMENTOS

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

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.		
1	22	Wiech.	200	N-S	81	5	4.5	II _r	9.15.49	9.21.11	9.22.43	9.26.43	9.28.55	9.47.03	64	10	2.5	2720	California E.U.
"	"	"	200	E-W	81	"	"	"	9.16.50	9.21.12	9.22.32	9.27.56	9.29.28	9.48.40	87	10	3.4	2720	" " "
"	"	"	80	Z	80	5	4.3	"	9.16.47	9.21.09	9.22.37	9.28.19	9.30.28	9.53.01	35	9	1.7	2700	" " "
2	27	"	200	N-S	81	5	4.5	I _v	8.10.47		8.11.35	8.11.52	8.15.04	8.30.47	30	3	17	386	
"	"	"	200	E-W	81	"	"	II _v	8.10.43		8.11.36	8.11.48	8.15.04	8.30.47	34	4	8	386	
"	"	"	80	Z	80	5	4.3	I _v	8.10.48		8.11.36?	8.12.36	8.14.06	8.28.39?	10	4	2.5	386	
F E B R E R O .																			
3	3	"	200	N-S	81	5	4.5	II _u	?	?	16.32.37	16.42.42	17.11.51	18.58.51	332	20	3.3	?	Tembler del Japón.
"	"	"	200	E-W	81	"	"	"	?	?	16.32.44	16.40.50	17.10.40	18.56.48	655	20	6.6	?	" " "
"	"	"	80	Z	80	5	4.3	"	?	?	16.35.02	16.40.48	16.57.24	18.02.24	292	16	4.6	?	" " "
4	8	"	200	N-S	81	5	4.5	I _r	?		0.46.03	0.46.28	0.47.46	0.59.54	25	3	11	?	Tembler con epifoco en el Estado de Guerrero.
"	"	"	200	E-W	81	"	"	II _r	?		0.46.02	0.46.17	0.47.29	0.58.59	30	3	13	?	
"	"	"	80	Z	80	5	4.3	I _r	?		0.46.02	0.46.34	0.47.28	0.59.01	5	3	2.2	?	
5	27	"	200	N-S	81	5	4.5	I _v			20.35.30?	20.36.44?	20.39.16	20.49.48	13	8	8	?	
"	"	"	200	E-W	81	"	"	"			20.35.21	20.36.36	20.38.40	20.49.48	38	8	2.4	?	
"	"	"	80	Z	80	5	4.3	"	20.33.48?		20.35.21	20.36.27	20.38.33	20.54.53	17	9	8	860	
A G O S T O																			
6	28	"	200	N-S	81	5	4.5	III _v	23.15.51		23.16.39	23.16.54	23.22.54	0.00.15	427	3	189	387	Tembler de Ahomá (Margen izquierda del Río Fuerte) Sin.
"	"	"	200	E-W	81	"	"	III _v	23.15.49		23.16.40	23.17.23	23.23.02	23.58.20	355	3	158	408	
"	"	"	80	Z	80	5	4.3	II _v	23.15.55		23.16.48	23.17.03	23.20.18	23.57.24	70	4	17	408	
S E P T I E M B R E																			
7	10	"	200	N-S	81	5	4.5	I _u	?	?	3.38.40								Densá fases muy debilmente registradas. Japón.
"	"	"	200	E-W	81	"	"	II _u	3.12.32	?	3.39.12	3.54.00	4.32.33	5.23.00	26	18	3	9380	Tembler del Japón.
"	"	"	80	Z	80	5	4.3	"	3.12.20	?	3.39.16	3.55.42	4.33.16	5.21.00	60	16	9	9540	" " "
8	30	"	200	N-S	81	5	4.5	I _r			1.53.44?	1.58.00			38	13	9	?	
"	"	"	200	E-W	81	"	"	"			1.53.15?	2.00.00	2.05.16	2.31.00	64	12	1.7	?	
N O V I E M B R E .																			
9	10	"	200	N-S	81	5	4.5	I _v			20.04.41	20.05.11	20.07.03	?	32	12	9	?	
"	"	"	200	E-W	81	"	"	"	20.03.44?		20.04.48	20.05.24	20.06.52	20.15.01	25	8	1.5	503?	
10	2	"	200	N-S	81	5	4.5	I _r				22.00.57	22.08.21		47	20	4	?	
"	"	"	200	E-W	81	"	"	"			21.54.33	21.59.53	22.14.21	22.40.21	95	20	9	?	
"	"	"	80	Z	80	5	4.3	"	21.39.27?		21.54.21?	22.00.01	22.10.12	22.42.21	27	18	3	5860?	

Estación Sismológica de Puebla, Pue.

Colegio del Estado

COORDENADAS: ϕ N., $19^{\circ}02'30''$. λ $90^{\circ}11'48''$. W. de Greenwich.
 $\alpha = 2,162$ mts.

Observador, *Francisco de P. Tenorio*.

DOTACION DE INSTRUMENTOS

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

Número	Fecha	INSTRUMENTO			CONSTANTES			Cantidades	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Antor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	O.		A.	T.	Ag.		
1	6	Wiech.	10	N-S	80	3.5	4.5	I	17.59.48		18.01.30	18.01.48	18.02.20	18.05.58	1			779	
"	"	"	10	E-W	20	"	"	"											Fases muy débilmente registradas.
2	24	"	10	N-S	20	3.5	4.5	I	11.19.00		11.19.23	11.19.28	11.20.00	11.21.23	1			205	Tembor de Guerrero.
"	"	"	10	E-W	20	"	"	"	11.19.00		11.19.23	11.19.32	11.20.59	11.22.31	1				
3	4	"	10	N-S	20	3.5	4.5	I	22.18.067		22.18.43	22.18.52	22.19.33	22.20.53	2			307	Tembor de Oaxaca.
"	"	"	10	E-W	20	"	"	"	22.18.01		22.18.42	22.18.51	22.19.57	22.21.00	1			336	" " "
4	8	"	10	N-S	20	3.5	4.5	I	4.32.48		4.33.29	4.33.34	4.34.11	4.35.49	1			336	
"	"	"	10	E-W	20	"	"	"											Fases mal definidas.
5	24	"	10	N-S	20	3.5	4.5	I	2.35.27		2.35.59	2.36.27	2.37.21	2.39.11	2			271	Tembor de Oaxaca.
"	"	"	10	E-W	20	"	"	"	2.35.27		2.35.59	2.36.08	2.36.58	2.39.16	2			271	" " "
6	25	"	10	N-S	20	3.5	4.5	I	5.02.05		5.02.46	5.02.51	5.03.51	5.05.42	2			336	
"	"	"	10	E-W	20	"	"	"	5.02.05		5.02.46	5.03.04	5.03.45	5.06.03	2			336	
7	24	"	10	N-S	20	3.5	4.5	I	21.38.00		21.38.37	21.38.51	21.39.41	21.41.28	1			307	Tembor de Oaxaca.
"	"	"	10	E-W	20	"	"	"	21.38.00		21.38.37	21.38.46	21.39.23	21.41.50	2			307	" " "
8	16	"	10	N-S	20	3.5	4.5	I	21.22.27		21.23.04	21.23.27	21.24.04	21.27.14	2			3077	Tembor de Guerrero.
"	"	"	10	E-W	20	"	"	"	21.22.27		21.23.04	21.23.27	21.24.18	21.26.46	1			307	" " "
9	21	"	10	N-S	20	3.5	4.5	I	14.21.36		14.22.13	14.22.18	14.23.14	14.25.42	2			307	
"	"	"	10	E-W	20	"	"	"											Registro casi imperceptible.

Estación Sismológica de Veracruz, Ver.

Colegio Preparatorio

COORDENADAS: ϕ N., $19^{\circ}12'02''$. λ $96^{\circ}08'16''$. 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 sismógrafo vertical de 80 kgs. del Prof. E. Wiechert.

Número	Fecha	INSTRUMENTO			CONSTANTES			Centros	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autos	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
1	22	Wisch.	200	N-S	81	5	4.5	I _r	4.11.02	4.11.17	4.21.40	4.25.38	4.31.00	5.12.00	769	12	21	3470	Mal registrado en la componente vertical.
"	"	"	200	E-W	81	"	"	"	4.11.04	4.16.16	4.21.38	4.25.36	4.31.46	5.14.50	448	12	12	3420	
2	25	"	200	N-S	81	5	4.5	I _v	14.24.03		14.24.40	14.24.58	14.27.16	14.39.55	56	2	56	307	
"	"	"	200	E-W	81	"	"	"	14.24.03		14.24.39	14.24.57	14.27.00	14.39.39	60	2	60	300	
3	27	"	200	N-S	81	5	4.5	I _r	?	?	?	8.07.06	8.11.10	8.27.15	320	12	9		
"	"	"	200	E-W	81	"	"	"	?	?	?	8.07.04	8.11.00	8.26.00	280	12	6		
F E B R E R O.																			
4	3	"	200	N-S	81	5	4.5	III _v	16.14.08	16.24.28	16.36.45	16.48.00	17.17.35	18.30.55	2310	22	20	9200	Tembor del Japón.
"	"	"	200	E-W	81	"	"	"	16.14.11?	16.24.30	16.36.50	16.48.30	17.18.30	18.35.25	2010	22	17	9170	Mal definida en la componente vertical.
5	9	"	200	N-S	81	5	4.5	III _v	0.35.06		0.36.07	0.36.14	0.41.00	0.59.00	561	2	561	480	
"	"	"	200	E-W	81	"	"	"	0.35.06		0.36.06	0.36.12	0.41.15	0.59.59	500	2	500	474	
"	"	"	80	Z	80	5	4.3	"	0.35.06		0.36.04	0.36.10	0.39.40	0.55.55	434	2	434	461	
6	8	"	200	N-S	81	5	4.5	III _v	14.12.02		14.12.46	14.12.51			426	2	426	358	Se cayeron los estiletes.
"	"	"	200	E-W	81	"	"	"	14.12.02		14.12.46	14.12.50			572	2	572	358	" " " "
"	"	"	80	Z	80	5	4.3	"	14.12.01		14.12.45	14.12.51	14.17.38	14.24.55	514	2	514	351	
7	13	"	200	N-S	81	5	4.5	I _v	?		?	21.03.02	21.04.00	21.06.10	22	2	22		
"	"	"	200	E-W	81	"	"	"	?		?	21.03.00	21.04.05	21.06.22	22	2	22		
8	14	"	200	N-S	81	5	4.5	I _v	?		15.47.05	15.47.07	15.47.57	15.50.45	22	2	22		
"	"	"	200	E-W	81	"	"	"	?		15.47.05	15.47.08	15.48.08	15.50.55	22	2	22		
9	20	"	200	N-S	81	5	4.5	I _v	19.06.32?		19.08.05	19.08.42	19.12.40	19.41.30	81	3	36	415	
"	"	"	200	E-W	81	"	"	"	19.06.32?		19.08.04	19.08.40	19.12.20	19.40.25	75	3	30	407	
10	21	"	200	N-S	81	5	4.5	I _v	12.50.18			12.51.24	12.52.18	12.54.00	20	3	9		
"	"	"	200	E-W	81	"	"	"	12.50.18			12.51.22	12.52.22	12.54.25	20	3	9		
11	24	"	200	N-S	81	5	4.5					8.27.05							De un temblor menor.
"	"	"	200	E-W	81	"	"					8.27.05							" " " "
12	24	"	200	N-S	81	5	4.5	I _v	?		11.18.40	11.18.45	11.19.55	11.22.30	20	2	22		
"	"	"	200	E-W	81	5	"	"	?		11.18.40	11.18.44	11.19.52	11.22.20	22	2	22		

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	I.	M.	C.		μ.	T.	Ag.		
13	26	Wiech.	200	N-S	81	5	4.5	I _v	?		?	10.40.05	10.41.08	10.43.15	10	3	4		
"	"	"	200	E-W	81	"	"	"	?		?	10.40.07	10.41.10	10.43.22	20	3	8		
14	27	"	200	N-S	81	5	4.5	I _v	?		6.44.43	6.45.08	6.46.30	6.48.50	33	2	33		
"	"	"	200	E-W	81	"	"	"	?		6.44.43	6.45.07	6.46.27	6.49.25	22	2	22		
15	27	"	200	N-S	81	5	4.5	I _r	?		20.36.42	20.36.44	20.42.00	21.11.50	67	4	16		
"	"	"	200	E-W	81	"	"	"	20.34.08		20.36.40	20.37.20	20.42.25	21.10.30	58	4	13	1239	
"	"	"	80	Z	80	5	4.3	"	?		20.36.42	20.37.24	20.39.59	20.58.50	20	4	5		
16	4	"	200	N-S	81	5	4.5	I _v	22.17.51		22.18.07	22.18.16	22.19.36	22.25.25	67	2	67	590	
"	"	"	200	E-W	81	"	"	"	22.17.50		22.18.07	22.18.18	22.19.35	22.25.00	44	2	44	598	
17	3	"	200	N-S	81	5	4.5	I _v	12.35.48		12.36.52	12.37.12	12.38.15	12.40.25	20	3	9	503	
"	"	"	200	E-W	81	"	"	"	12.35.48		12.36.54	12.37.14	12.38.10	12.40.05	20	3	9	520	
18	20	"	200	N-S	81	5	4.5	I _v	?		?	16.53.40	16.56.42	16.59.58	40	3	17		
"	"	"	200	E-W	81	"	"	"	?		?	16.53.42	16.56.35	16.59.45	50	3	20		
19	7	"	200	N-S	81	5	4.5	I _v	?		?	4.38.32	4.39.45	4.43.10	22	2	22		
"	"	"	200	E-W	81	"	"	"	?		?	4.38.32	4.39.42	4.43.05	22	2	22		
20	4	"	200	N-S	81	5	4.5	I _v	20.57.02		20.57.44	20.58.08	20.59.12	21.03.15	33	2	33	343	
"	"	"	200	E-W	81	"	"	"	20.57.02		20.57.45	20.58.09	20.59.14	21.03.14	22	3	22	351	
21	6	"	200	E-W	81	5	4.5	I _r	?	?	?	1.40.03	1.44.05	1.56.20	25	8	1		
22	23	"	200	E-W	81	5	4.5	I _r				9.13.04							Tembor remoto apenas perceptible.
23	13	"	200	N-S	81	5	4.5	I _v				22.06.20	22.07.25	22.10.20	22	2	22		
"	"	"	200	E-W	81	"	"	"				22.06.21	22.07.20	22.10.00	22	2	22		
24	20	"	200	E-W	81	5	4.5	I _v				0.19.30	0.21.12	0.31.30	22	2	22		
25	27	"	200	N-S	81	5	4.5	I _r	23.16.28		23.20.20	23.21.34	23.30.35	0.12.15	222	6	25	2607	Tembor de Ahomé (Sinaloa).
"	"	"	200	E-W	81	"	"	"	23.16.28		23.20.20	23.21.32	23.30.32	0.15.22	230	6	27	2607	" " " "
26	10	"	200	N-S	81	5	4.5												N-S Mal definido. Temblor del Japon.
"	"	"	200	E-W	81	"	"	II _u	3.13.04	?	3.39.00	4.02.00	4.41.05	5.53.10	452	22	4	9600	Tembor del Japon.

