

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 1924



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.

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NOTACION USADA

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

CARACTER DEL TEMBLOR

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

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

v—Terraë motus vicinus—plesiosismo—temblor vecino, cercano o menos de 1000 kilómetros.

r—Terraë motus remotus—telesismo—temblor lejano, de 1000 a 5000 kilómetros.

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

FASES

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

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

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

- S R_n**—Ondas segundas reflejadas **n** veces.
PS—Ondas que por reflexión cambian su carácter de longitudinales en transversales o recíprocamente.
L—Undæ longæ—porción principal (ondas largas).
M—Undæ maximæ—movimiento máximo en la porción principal.
C—Coda, cola.
F—Finis—fin.

NATURALEZA DEL MOVIMIENTO

- i**—Impetus—ímpetu—comienzo brusco claramente definido.
e—Emersio—emersión—comienzo gradual más o menos incierto.
?—Dudoso.

TIEMPO Y UNIDADES DE MEDIDA

- Tiempo—tiempo medio de Greenwich contado de 0^h a 24^h, 0.
 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.
 α 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			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Auter	Man	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ	T.	Ag.		
1	1 ^o	Wiech.	17000	N-S	2000	1.5	2:5	II _v	1.20.20		1.21.45	1.22.24	1.23.50	1.29.54	3.36	1	13.4	656	M ₂ 1.22. T=1.5A = 2.5 un=2.66 $\Delta g = 4.6$ M ₂ 1.22.42 T=1.5A=17.5 un=2.93 $\Delta g = 6.91$.
"	"	"	17000	E-W	2000	"	2:6	"	1.20.20		1.21.45	1.22.12	1.23.17	1.28.00	3.38	1	13.5	656	
2	3	"	17000	N-S	2000	1.5	2:5	II _d	5.25.53		5.25.53	5.25.56	5.26.05	5.26.17			2.5	0	T. muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	5.25.53		5.25.53	5.25.56	5.26.05	5.26.19	4.14	0.5	66	0	
3	3	"	17000	N-S	2000	1.5	2:5	II _v	14.26.58		14.27.34	14.27.38	14.28.15.	14.29.51	1.12	1.5	2	300	
"	"	"	17000	E-W	2000	"	2:6	"	14.26.58		14.27.31	14.27.38	14.28.25	14.30.10	1.00	1	4.00	292	
4	5	"	17000	N-S	2000	1.5	2:5	II _v	2.35.18		2.36.02	2.36.15	2.37.07	2.39.10	0.67	1	2.68	365	
"	"	"	17000	E-W	2000	"	2:6	"	2.35.18		2.36.02	2.36.21	2.36.53	2.39.10	0.68	1	2.72	365	
5	5	"	17000	N-S	2000	1.5	2:5	I _r	?	10.08.25?	10.09.40	10.10.40	10.15.41	10.41.09	2.57	5	0.41	2550	M ₂ 10.13.55 T=5.
"	"	"	17000	E-W	2000	"	2:6	"	?	10.08.19	10.09.37	10.11.28	?	10.27.10	3.86	5	0.61	2540	
6	6	"	17000	N-S	2000	1.5	2:5	II _v	17.58.01		17.59.47	18.00.35	18.01.29	18.12.16	3.5	1.5	6.22	809	
"	"	"	17000	E-W	2000	"	2:6	"	17.58.00		17.59.47	18.00.42	18.01.32	18.09.13	3.56	1	24.24	816	
7	6	"	17000	N-S	2000	1.5	2:5	I _d	23.22.24		23.22.24	23.22.25	23.22.29.	23.22.49				0	T muy rápida.
"	"	"	17000	E-W	2000	"	2:6	"	23.22.22		23.22.23.	23.22.25	23.22.31	27.23.20		0.5		0	
8	6	"	17000	N-S	2000	1.5	2:5	I _d	23.27.35		23.27.35	23.27.37	23.27.43.	23.27.51				0	T muy rápida.
"	"	"	17000	E-W	2000	"	2:6	"	23.27.34		23.27.34	23.27.36	23.27.42	23.28.11				0	
9	9	"	17000	N-S	2000	1.5	2:5	II _v	4.27.52		4.28.25	4.28.30	4.29.06	4.30.26	1.68	1	2.72	278	
"	"	"	17000	E-W	2000	"	2:6	"	4.27.50		4.28.22	4.28.42	4.29.02	4.31.19	1.52	1	6.08	270	
10	11	"	17000	N-S	2000	1.5	2:5	I _v	19.19.08		19.20.04	19.20.14	19.21.09	19.25.21	1.16	1.5	1.68	445	M ₂ 19.20.41 T= 1.5 un=31. $\Delta g = 1.90$
"	"	"	17000	E-W	2000	"	2:6	"	19.19.07		19.20.00	19.20.23	19.21.03	19.27.29	2.16	2	2.16	423	
11	11	"	17000	N-S	2000	1.5	2:5	I _v	21.55.53		21.56.26.	21.56.32	21.56.44	21.57.40	0.34	1	1.16	278	
"	"	"	17000	E-W	2000	"	2:6	"	21.55.54?		21.56.26	21.56.32	21.56.48	21.57.46	0.50	1	0.89	271	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autur	Mesa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
12	12	Wiech.	17000	N-S	2000	1.5	2:5	III _v	7.18.14		7.19.01	7.19.09	7.20.47	7.28.34		1.5		380	Epifoco en el Estado de Oaxaca.
"	"	"	17000	E-W	2000	"	2:6	"	7.18.13		7.19.01	7.19.14	7.20.27	7.26.34	17.5	1	70	387	" " " " " "
"	"	"	1200	N-S	250	6	2:8	II _v	7.18.23		7.19.01?	7.19.08	7.21.30	7.31.42	16.30	3	7.25	387	M ₀ 7.19.44 T=8 u=19.84 Ag= 2.20 Epi
"	"	"	1200	E-W	250	6	2:8	"	?		7.19.02	7.19.12	7.21.36	7.29.24	15.45	6.0	1.72	?	foco en el Estado de Oaxaca.
"	"	"	200	N-S	80	6.5	3:5	"	?		7.19.08	7.19.14	7.20.26	7.29.29				?	
"	"	"	200	E-W	80	6	3:5	"	?		7.19.05	7.19.15	7.21.37	7.29.23				?	
"	"	"	1300	Z	160	4	3:5	III _v	7.18.11		7.19.02	7.19.54	7.20.27	7.26.18	15.47	3.0	6.67	408	
13	16	"	17000	N-S	2000	1.5	2:5	II _d	7.41.33		7.41.34.5	7.41.34.5	7.41.39	7.41.50	4.05	0.5	64	7	
"	"	"	17000	E-W	2000	"	2:6	"	7.41.33		7.41.34	7.41.35	7.41.43	7.42.08				7	T muy rápido.
14	16	"	17000	N-S	2000	1.5	2:5	II _u	21.49.34	22.00.30								9950	No se registraron las demás fases.
"	"	"	17000	E-W	2000	"	2:6	"	21.49.33	22.00.33								10050	Temblo del Japón.
"	"	"																	No se registraron las demás fases.
15	18	"	17000	N-S	2000	1.5	2:5	I _d	?		1.03.51	1.03.52	1.03.54	1.04.15	2.03	0.5	32.5	?	
"	"	"	17000	E-W	2000	"	2:6	"	?		1.03.50	1.03.51	1.03.58	1.04.15	5.13	0.5	82	?	
16	18	"	17000	N-S	2000	1.5	2:5	I _d	7.06.57		7.07.01	7.07.02	7.07.05	7.07.25	1.58	0.5	25.3	30	
"	"	"	17000	E-W	2000	"	2:6	"	7.06.57		7.07.01	7.07.01	7.07.05	7.07.15	2.30	0.5	37	30	
17	18	"	17000	N-S	2000	1.5	2:5	II _v	9.20.10		9.21.13	9.21.25	9.21.55	9.23.55	2.02	1	2.08	496	
"	"	"	17000	E-W	2000	"	2:6	"	9.20.10		9.21.13	9.21.19	9.21.46	9.24.16	5.21	1	12.84	496	
18	19	"	17000	N-S	2000	1.5	2:5	I _d	15.15.30		15.15.32	15.15.33	15.15.35		2.25	0.5	36	15	Fin interferido por el paso del FF. CC.
"	"	"	17000	E-W	2000	"	2:6	"	15.15.30		15.15.32	15.15.33	15.15.35		5.68	0.5		15	Fin interferido por el paso del FF. CC.
19	19	"	17000	N-S	2000	1.5	2:5	I _d			15.15.37	15.15.38	15.15.40	15.15.42	0.90	0.5	14	?	Principio interferido por el paso del FF. CC.
"	"	"	17000	E-W	2000	"	2:6	"			15.15.37	15.15.38	15.15.40	15.15.43	0.92	0.5	12	?	Principio interferido por el paso del FF. CC.
20	19	"	17000	N-S	2000	1.5	2:5	I _r	21.07.16?	21.10.19?								1780?	No hubo otras fases.
"	"	"	17000	E-W	2000	1.5	2:6	"	21.07.15?	21.10.25	21.10.49?							1850?	No hubo otras fases.
21	21	"	17000	N-S	2000	1.5	2:5	I _r	2.04.39	2.07.45?								1810?	No hubo otras fases.
"	"	"	17000	E-W	2000	"	2:6	"	2.04.40	2.07.44?								1790?	No hubo otras fases.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Desarrollo	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e		P.	S.	L.	M.	C.		sc	T.	Ag.		
22	23	Wiech.	17000	N-S	2000	1.5	2:5	III _u	4.36.38		4.36.39	4.36.40	4.36.42	4.36.59	5.40	0.5	86	7	
"	"	"	17000	E-W	2000	"	2:6	"	4.36.38		4.36.39	4.36.39	4.36.42	4.40.02	3.32	0.5	52	7	
23	25	"	17000	N-S	2000	1.5	2:5	II _r	6.01.56	6.06.27	6.08.19	6.09.52	6.14.51	6.53.59	77.10	5	12.30	2840	
"	"	"	17000	E-W	2000	"	2:6	"	6.01.55	6.06.26	6.07.24	6.10.15	6.14.30	6.53.19	134	5	21.4	2840	
"	"	"	1200	N-S	250	6	2:8	"	6.01.57	6.06.27	6.08.21	6.09.36	6.14.33	6.35.42	303	6	34	2830	M ₂ 6.10.00 T=6 A=41.5 u=315 Ag=35
"	"	"	1200	E-W	250	"	"	"	6.01.57	6.06.27	6.08.23	6.09.41	6.14.17	6.40.47	311	6	54.5	2830	M ₂ 6.10.08 T=6 A=52.5 u=398.5 Ag=44.2 muy incierto.
"	"	"	200	NE-SW	80	6.5	3:5	"	6.01.58	6.06.29	6.08.37	6.11.07	6.14.33	6.57.05		4		2810	
"	"	"	200	NW-SE	80	6	"	"	6.01.55	6.06.27	6.07.56	6.10.12	6.12.36	6.52.26		5		2850	
"	"	B.Omo.	10	N-S	15	30	30.5	"	"	6.06.27	6.07.54	6.09.42	6.13.00	6.40.00				2830	
24	26	Wiech.	17000	N-S	2000	1.5	2:5	I _r	2.12.36	2.17.26	2.19.10							3100	No se registraron más fases.
"	"	"	17000	E-W	2000	"	2:6	"	2.12.37	2.17.25	2.19.05							3070	" " " " "
25	26	"	17000	N-S	2000	1.5	2:5	II _d	18.21.58		18.22.02	18.22.03	18.23.07	18.23.24	3.38	0.5	54	30	
"	"	"	17000	E-W	2000	"	2:6	"	18.21.57		18.22.01	18.22.02	18.22.27	18.23.22	2.58	1	11.52	30	
26	28	"	17000	N-S	2000	1.5	2:5	II _d	3.46.30		3.46.32	3.46.33	3.46.38	3.46.49	1.80	0.5	29	15	
"	"	"	17000	E-W	2000	"	2:6	"	3.46.29		3.46.31	3.46.32	3.46.37	3.46.52	3.68	0.5	29	15	
27	28	"	17000	N-S	2000	1.5	2:5	I _v	9.43.11		9.43.52	9.44.01	9.44.21	9.45.54	0.29	1.5	4	338	
"	"	"	17000	E-W	2000	"	2:6	"	9.43.13		9.43.53	9.44.02	9.44.13	9.45.28	0.34	1	1.36	329	
28	29	"	17000	N-S	2000	1.5	2:5	I _u	2.04.25	2.11.06								6100	El temblor repitió a las 2.25.19 sin registrar las fases.
"	"	"	17000	E-W	2000	"	2:6	"	2.04.25	2.12.08	2.19.08							6110	El temblor repitió a las 2.25.19 interfiriendo sus ondas con las del anterior.
"	"	"	1200	N-S	250	6	2:8	"	2.04.26									6110	
"	"	"	1200	E-W	250	"	"	"	2.04.26	2.11.32	2.19.41							6110	
"	"	B.Omo.	10	N-S	15	30.5	30.5	"	2.04.25	2.12.07	2.19.40							6110	
29	29	Wiech.	17000	N-S	2000	1.5	2:5	I _v	14.26.17		14.26.33	14.26.39	14.26.55	14.27.40		1		154	
"	"	"	17000	E-W	2000	"	2:6	"	14.26.17		14.26.32	14.26.41	14.27.02	14.28.02		1		147	
30	30	"	17000	N-S	2000	1.5	2:5	I _v	17.21.40		17.22.21	17.22.29	17.22.57	17.24.00	1.52	1	6.04	336	
"	"	"	17000	E-W	2000	"	2:6	"	17.21.40		17.22.20	17.22.28	17.22.51	17.24.59	2.02	1	8.08	329	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T ₀	a.		P.	S.	L.	M.	C.		μ	T ₁	Δ ₀		
31	30	Wiech.	17000	N-S	2000	1.5	2:5	I _V	22.00.08		22.00.45	?	22.01.28	22.01.44				307	Temblor de Chile. Las demás fases registradas débilmente.
"	"	"	17000	E-W	2000	"	2:6	"	22.00.08		22.00.45	22.00.57	22.01.17	22.01.43	1.16	1.5	1.7	307	
32	30	"	17000	N-S	2000	1.5	2:5	I _V	22.01.44		22.02.20			22.03.20				300	
"	"	"	17000	E-W	2000	"	2:6	"	22.01.43		22.02.18	22.02.32	22.02.47	22.03.31	2.91	1.5	4	292	
33	31	"	17000	N-S	2000	1.5	2:5	I _V	0.01.46		0.02.40	0.02.49	0.03.33	0.05.33	1.40	1.5	2	431	
"	"	"	17000	E-W	2000	"	2:6	II _V	0.01.45		0.02.36	0.02.52	0.03.30	0.05.30	2.76	1.5	4	423	
34	31	"	17000	N-S	2000	1.5	2:5	I _U	1.07.14	1.14.52								6040	
"	"	"	17000	E-W	2000	"	2:6	"	1.07.21	1.15.06								6160	
35	31	"	17000	N-S	2000	1.5	2:5	I _V	21.08.31		21.08.38	?	21.09.35	21.10.35				307	
"	"	"	17000	E-W	2000	"	2:6	"	21.08.31		21.09.06	?	21.09.32	21.10.34				292	

JAM.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Resonancia	OBSERVACIONES
		Antor	Magn.	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		R.	T.	Ag.		
36	1°	Wiesch.	17000	N-S	2000	1.5	2:5	I _v	?		4.09.02	4.09.35	?	4.10.55		1		?	
"	"	"	17000	E-W	2000	"	2:6	"	4.08.17		4.09.02	4.09.13	4.09.48	4.11.18	0.23	1	0.4	365	
37	2	"	17000	N-S	2000	1.5	2:5	II _d	15.03.46		15.03.49	15.03.51	15.03.53	15.04.08	1.35	0.5	22	22	
"	"	"	17000	E-W	2000	"	2:6	"	15.03.45		15.03.49	15.03.51	15.03.54	15.04.18		0.5		30	
38	2	"	17000	N-S	2000	1.5	2:5	I _d	15.04.59		15.05.01	15.05.03	15.05.06	?	1.58	0.5	25		
"	"	"	17000	E-W	2000	"	2:6	"	15.04.58		15.05.01.5	15.05.02	15.05.06					25	T. muy rápido y F. interferido.
39	"	"	17000	N-S	2000	1.5	2:5	I _d			15.05.07	15.05.08	15.05.10	15.05.22					
"	"	"	17000	E-W	2000	"	2:6	"			15.05.07	15.05.08	15.05.11	15.05.24				?	T. muy rápido, P. interferido por el temblor anterior.
40	2	"	17000	N-S	2000	1.5	2:5	II _d	15.18.43		15.18.47	15.18.48	15.18.52	15.19.00		0.5		30	
"	"	"	17000	E-W	2000	"	2:6	"	15.18.44		15.18.47	15.18.48	15.18.53	15.19.17				22	T. muy rápido.
41	2	"	17000	N-S	2000	1.5	2:5	I _v	15.24.24		15.24.51		15.25.37	15.26.37				34	M. incierta.
"	"	"	17000	E-W	2000	"	2:6	"	15.24.25		15.24.53	15.25.02	15.25.24	15.26.52	0.29	1.5	4.4		
42	2	"	17000	N-S	2000	1.5	2:5	II _d	23.11.33		23.11.35	23.11.36	23.11.38	23.11.52		0.5		15	
"	"	"	17000	E-W	2000	"	2:6	"	23.11.33		23.11.35	23.11.36	23.11.39	23.11.57				15	T. muy rápido.
43	2	"	17000	N-S	2000	1.5	2:5	II _d	23.14.20		23.14.24	23.14.26	23.14.32	23.14.52		0.5		30	
"	"	"	17000	E-W	2000	"	2:6	"	23.14.20		23.14.24	23.14.25	23.14.30	23.14.47	2.76		11.04	29	
44	3	"	17000	N-S	2000	1.5	2:5	II _d	3.10.37		3.10.40	3.10.42	3.10.50	3.11.01		0.5		30	Mg 3.10.46 T=5 A=5.
"	"	"	17000	E-W	2000	"	2:6	"	3.10.38		3.10.40	3.10.42	3.10.49	3.10.58	1.54	0.5	29	15	
45	3	"	17000	N-S	2000	1.5	2:5	II _d	16.03.22		16.03.22	16.03.25	16.03.29	16.03.44	1.80	0.5	29	15	
"	"	"	17000	E-W	2000	"	2:6	"	16.03.21		16.03.23	16.03.25	16.03.29	16.03.44				14	T. muy rápido.
46	3	"	17000	N-S	2000	1.5	2:5	II _d	18.13.48		18.13.52	18.13.53	18.13.56	18.14.06	2.36	0.5	28	30	
"	"	"	17000	E-W	2000	"	2:6	"	18.13.48		18.13.52	18.13.53	18.13.57	18.14.14	1.20	0.75	25	29	
47	4	"	17000	N-S	2000	1.5	2:5	II _d	4.14.47		4.14.47	4.14.52	4.14.56	?	1.58	0.5	25	30	
"	"	"	17000	E-W	2000	"	2:6	"	4.14.47		4.14.51	4.14.53	4.14.57					29	F. interferido.- T. muy rápido.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	G.		μ.	T.	Ap.		
48	4	Wiech.	17000	N-S	2000	1.5	2:5	II _d	?		4.14.58	4.14.59	4.15.03	4.15.30	1.80	0.5	29	?	
"	"	"	17000	E-W	2000	"	2:6	"			4.15.00	4.15.00	4.15.05	4.15.25	2.20	0.75	16.00	?	P. interferido.
49	4	"	17000	N-S	2000	1.5	2:5	I _v	13.29.07		13.29.54	13.30.03	13.30.43	13.32.00	0.63	1.5	2	380	
"	"	"	17000	E-W	2000	"	2:6	"	13.29.09		13.29.54	13.30.16	13.30.46	13.32.50	0.68	1.5	2.72	365	
50	4	"	17000	N-S	2000	1.5	2:5	I _v	20.50.55		20.51.21	20.51.30	20.51.56	20.53.23	0.67	1	2.68	227	
"	"	"	17000	E-W	2000	"	2:6	"	20.50.55		20.51.20	20.51.33	20.51.48	20.53.10	3.76	1	15.04	220	
51	4	"	17000	N-S	2000	1.5	2:5	III _d	23.44.07		23.44.07	23.44.09	23.44.17	23.44.46	4.5	0.5	72	0	
"	4	"	17000	E-W	2000	"	2:6	"	23.44.07		23.44.07	23.44.10	23.44.14	23.44.59	4.14	0.5	66	0	
52	6	"	17000	N-S	2000	1.5	2:5	II _d	11.40.24		11.40.24	11.40.29	11.40.33	11.41.00	2.25	0.5	36	0	
"	"	"	17000	E-W	2000	"	2:6	"	11.40.23		11.40.24	11.40.28	11.40.32	11.40.54				7	T. muy rápido.
53	6	"	17000	N-S	2000	1.5	2:5	II _v	21.55.27		21.56.04	21.56.25	21.57.22	21.59.49	4.54	1	18.16	307	
"	"	"	17000	E-W	2000	"	2:6	"	21.55.27		21.56.03	21.56.23	21.57.06	21.59.40	3.38	1	13.52	309	
54	9	"	17000	N-S	2000	1.5	2:5	II _d	0.47.44		0.47.45	0.47.46	0.47.49	0.48.05				7	T. muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	0.47.45		0.47.45	0.47.46	0.47.50	0.48.05				0	" " "
55	13	"	17000	N-S	2000	1.5	2:5	I _v	20.16.39		20.17.16	20.17.21	20.17.51	20.19.19	3.36	1	13.44	307	
"	"	"	17000	E-W	2000	"	2:6	"	20.16.37		20.17.13	20.17.25	20.17.45	20.19.00	1.18	1	4.72	307	
56	14	"	17000	N-S	2000	1.5	2:5	II _d	1.35.30?		1.35.31	1.35.33	1.35.38	1.36.08				7	T. muy rápido.
"	"	"	17000	E-W	2000	"	2:6	I _d	1.35.30		1.35.31	1.35.33	1.35.37	1.36.00				"	" " "
57	14	"	17000	N-S	2000	1.5	2:5	II _d	6.41.11		6.41.11	6.41.13	6.41.19	6.41.38				0	T. muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	6.41.10		6.41.11	6.41.13	6.41.19	6.41.44				7	" " "
58	14	"	17000	N-S	2000	1.5	2:5	I _r	15.28.45	15.31.05	15.31.16	15.31.56	15.32.46	15.35.42		2		1320	
"	"	"	17000	E-W	2000	"	2:6	"	15.28.45	15.31.04	15.31.15	15.31.49		15.34.49					
59	15	"	17000	N-S	2000	1.5	2:5	I _v	12.44.56		12.45.30	12.45.34	12.46.00	12.47.12		1		285	
"	"	"	17000	E-W	2000	"	2:6	"	12.44.56		12.45.30	12.45.42	12.46.11	12.47.30				285	
60	15	"	17000	N-S	2000	1.5	2:5	II _d	14.30.27.5		14.30.28	14.30.31	14.30.36	14.30.55		0.5		4	
"	"	"	17000	E-W	2000	"	2:6	"	14.30.28		14.30.29	14.30.31	14.30.36	14.31.52				7	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ	T.	Δg		
61	17	Wiech.	17000	N-S	2000	1.5	2:5	I _V	0.46.53		0.47.33	0.47.58	0.48.28	0.50.57	1.17	1	4.62	329	
"	"	"	17000	E-W	2000	"	2:6	"	0.46.52		0.47.31	0.47.56	0.48.31	0.49.46	1.46	1.5	23	322	
62	17	"	17000	N-S	2000	1.5	2:3	I _V	2.15.27		2.16.04	2.16.10	2.16.21	2.17.56	1.17	1	4.68	307	
"	"	"	17000	E-W	2000	"	2:6	"	2.15.24		2.16.01	2.16.11	2.16.40	2.17.36	1.18	1	4.72	307	
63	17	"	17000	N-S	2000	1.5	2:5	I _V	4.55.43		4.56.21	4.56.34	4.56.47	4.57.48	0.84	1	3.36	314	
"	"	"	17000	E-W	2000	"	2:6	"	4.55.42		4.56.19		4.56.47	4.57.47				307	
64	17	"	17000	N-S	2000	1.5	2:5	II _d	5.00.09		5.00.10	5.00.12	5.00.15	5.00.35	4.28	0.5	17.12	7	
"	"	"	17000	E-W	2000	"	2:6	"	5.00.09		5.00.11	5.00.13	5.00.18	5.00.38	2.76	0.5	44	15	
65	17	"	17000	N-S	2000	1.5	2:5	I _V	13.16.46		13.17.29		13.17.46	13.19.28				350	
"	"	"	17000	E-W	2000	"	2:6	"	13.16.46		13.17.30	13.17.36	13.18.18	13.19.24	1.01	1	4.04	358	
66	18	"	17000	N-S	2000	1.5	2:5	II _V	8.32.17		8.33.09	8.33.14	8.34.10	8.36.28	2.02	1	8.08	416	M_2 8.33.42 T=1.A=6.5.u=2.18 $\Delta g=5.72$
"	"	"	17000	E-W	2000	"	2:6	"	8.32.17		8.33.09	8.33.13	8.33.55	8.35.25	7.54	1	30.16	416	M_2 8.33.55 T=1.A=11.u=2.22 $\Delta g=36.88$
67	18	"	17000	N-S	2000	1.5	2:5	II _V	23.16.43		23.17.35	23.17.47	23.19.07	23.23.10	2.66	2	3	416	
"	"	"	17000	E-W	2000	"	2:6	"	23.16.51		23.17.43	23.18.02	23.19.04	23.23.02	5.24	1	30.96	416	
68	18	"	17000	N-S	2000	1.5	2:5	I _V	23.39.43		23.40.32	23.40.42	23.41.08	23.42.38	1.34	1	5.36	365	
"	"	"	17000	E-W	2000	"	2:6	"	23.39.41		23.40.31	23.40.36	23.41.02	23.43.44	1.35	1	5.40	401	
69	22	"	17000	N-S	2000	1.5	2:5	I _V	23.58.52		24.00.17	24.00.49	24.01.56	24.04.56				556	
"	"	"	17000	E-W	2000	"	2:6	"	23.58.54		24.00.18	24.00.45	24.01.40	24.05.10		1.5		649	
70	23	"	17000	N-S	2000	1.5	2:5	I _V	10.41.28		10.42.17	10.42.28	10.42.43	10.44.03				394	
"	"	"	17000	E-W	2000	"	2:6	"	10.41.28		10.42.19	10.42.32	10.42.39	10.44.01				409	
71	28	"	17000	N-S	2000	1.5	2:5	I _V	?		23.37.25	23.37.30	23.37.56	23.38.58	1.35	2	1.35	?	
"	"	"	17000	E-W	2000	"	2:6	"	?		23.37.22	23.37.34	23.37.55	23.38.58	8	1	34	?	
72	28	"	17000	N-S	2000	1.5	2:5	I _V	16.21.46		16.22.38	16.22.56	16.23.23	16.25.21	1.48	2	1.48	416	
"	"	"	17000	E-W	2000	"	2:6	"	16.21.46		16.22.38	16.22.57	16.23.27	16.26.05	0.51	1	2.04	416	

JAM.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Ampl.	Magn.	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		W.	T.	Ag.		
73	1 ^o	Wiech.	17000	N-S	2000	1.5	2:5	II	5.39.37		5.40.10	5.40.20	5.41.20	5.43.30	4.62	1.5	16.5	280	
"	"	"	17000	E-W	2000	"	2:6	"	5.39.38		5.40.10	5.40.22	5.41.09	5.47.09	6.8	1	27	271	
74	2	"	17000	N-S	2000	1.5	2:5	II	19.29.09		19.29.46	19.30.02	19.30.38	19.31.28	2.10	1.5	7.73	307	
"	"	"	17000	E-W	2000	"	2:6	"	19.29.09		19.29.47	19.29.50	19.30.21	19.31.51		1		314	
75	2	"	17000	N-S	2000	1.5	2:5	I	19.33.03		19.33.08	19.33.09	19.33.25	19.33.45		0.5		37	
"	"	"	17000	E-W	2000	"	2:6	"	19.33.03?		19.33.08	19.33.08	19.33.16	19.33.39		0.25		37?	
76	2	"	17000	N-S	2000	1.5	2:5	I	19.33.50		19.33.54	19.33.55	19.34.00	19.34.25		0.5		30	
"	"	"	17000	E-W	2000	"	2:6	"	19.33.51		19.33.55	19.33.56	19.34.02	19.34.23		0.5		30?	
77	2	"	17000	N-S	2000	1.5	2:5	II	19.45.31		19.45.35	19.45.36	19.45.41	19.46.04				30	T. muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	19.45.26		19.45.30	19.45.30	19.45.37	19.45.38		0.25		30	
78	2	"	17000	N-S	2000	1.5	2:5	II	19.48.31		19.48.34	19.48.35	19.48.42	19.48.54		0.5		22	
"	"	"	17000	E-W	2000	"	2:6	"	19.48.31		19.48.34	19.48.34	19.48.41	19.48.59		0.5		22	
79	3	"	17000	N-S	2000	1.5	2:5	II	12.01.56		12.02.02	12.02.03	12.02.08	12.02.24		0.5		52	
"	"	"	17000	E-W	2000	1.5	2:6	"	12.01.56		12.02.03	12.02.04	12.02.08	12.02.23		0.5		52	
80	3	"	17000	N-S	2000	1.5	2:5	II	17.24.21		17.24.23	17.24.24	17.24.32	17.24.52	5.13	0.5	83	18	
"	"	"	17000	E-W	2000	"	2:6	"	17.24.21		17.24.23	17.24.24	17.24.30	17.24.40		0.5		18	
81	4	"	17000	N-S	2000	1.5	2:5	II	3.35.55		3.36.32	3.36.42	3.37.20	3.38.55	1.43	1	5.72	307	
"	"	"	17000	E-W	2000	1.5	2:6	"	3.35.57		3.36.32	3.36.38	3.37.07	3.38.47		1		292	
82	4	"	17000	N-S	2000	1.5	2:5	II	5.33.26		5.40.02	5.40.11	5.40.41	5.42.16	1.40	1.5	2	285	
"	"	"	17000	E-W	2000	"	2:6	"	5.39.26		5.40.01	5.40.08	5.40.35	5.41.41		1		292	
83	4	"	17000	N-S	2000	1.5	2:5	II	10.11.47	10.15.11	10.15.53							2010	
"	"	"	17000	E-W	2000	"	2:6	"	10.11.47	10.15.12	10.16.54	10.20.19?	?	?		9		2020	
"	"	"	1200	N-S	250	6	2:8	"	10.11.44	10.15.08	10.15.51?								S. Incierta.
"	"	"	1200	E-W	250	"	"	"	10.11.44	10.15.08	10.15.59	10.21.41	10.39.23	?		9		2010	
"	"	"	1300	Z	160	4	3:5	"	10.11.47	10.15.17	10.16.05	10.19.56	10.34.47		84	15	1.5	2010	
"	"	B. Omori	10	N-S	15	30	30.5	III	10.11.52	10.15.13	10.16.08	10.18.11	10.29.02	11.20.17		24		1980	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	a.		P.	S.	L.	M.	C.		p.	T.	Ag.		
84	4	Wiech.	17000	N-S	2000	1.5	2:5	I _r	10.54.24										
"	"	"	17000	E-W	2000	"	2:6	"	10.54.20										Las otras fases inciertas.
85	4	"	17000	N-S	2000	1.5	2:5	II _r	11.47.48	11.50.55	11.51.40							1820	
"	"	"	17000	E-W	2000	"	2:6	"	11.47.50	11.50.55	11.51.33	?	?	12.27.20				1800	
"	"	"	1200	N-S	250	6	2:8	I _r	11.47.50									1750?	
"	"	"	1200	E-W	250	"	"	"	11.47.50	11.50.50?									
"	"	"	1300	Z	160	4	3:5	"	11.47.50										
"	"	B. Omori	10	N-S	15	30	30.5	"	11.47.53	?	11.51.50?							?	L. dudosa. No hay más fases.
86	5	Wiech.	17000	N-S	2000	1.5	2:5	II _d	2.19.15		2.19.17	2.19.16	2.19.28	2.19.53	2.46	0.5	40	15	
"	"	"	17000	E-W	2000	"	2:6	III _d	2.19.15		2.19.17	2.19.16	2.19.24	2.19.54	4.60	1	83	15	
87	5	"	17000	N-S	2000	1.5	2:5	I _r	4.43.54	4.47.10	4.48.00?							1920	
"	"	"	17000	E-W	2000	"	2:6	"	4.43.56	4.47.08								1880	Las demás fases poco definidas.
88	5	"	17000	N-S	2000	1.5	2:5	II _d	7.00.33		7.00.35.5	7.00.37	7.00.42	7.00.58	2.36	0.5	38	19	
"	"	"	17000	E-W	2000	"	2:6	I _d	7.00.34		7.00.35	7.00.36	7.00.40	7.00.55	2.53	0.5	40	7	
89	5	"	17000	N-S	2000	1.5	2:5	I _r	12.51.58	12.55.25?								2040	
"	"	"	17000	E-W	2000	"	2:6	"	12.52.03	12.55.26?								2000?	No hay más fases.
90	5	"	17000	N-S	2000	1.5	2:5	II _d	18.31.44		18.31.45.5	18.31.46.5	18.31.53	18.32.08	6.75	0.5	108	11.20	
"	"	"	17000	E-W	2000	"	2:6	"	18.31.44		18.31.45	18.31.46	18.31.53	18.32.22	6	0.5	96	7	
91	7	"	17000	N-S	2000	1.5	2:5	III _v	10.14.10		10.14.46	10.14.50	10.15.42	10.17.08	5	1	12	300	
"	"	"	17000	E-W	2000	"	2:6	"	10.14.11		10.14.47	10.14.59	10.15.59	10.17.04	5.86	1	15.44	300	
92	11	"	17000	N-S	2000	1.5	2:5	I _r	10.45.16	10.48.50	10.49.40		11.08.22.	11.31.22				2120	M. incierta.
"	"	"	17000	E-W	2000	1.5	2:6	"	10.45.17	10.48.52	10.49.41?		11.03.10	11.28.21				2130	
"	"	"	1200	N-S	280	6	2:8	"	10.45.20	10.48.53								2110	
"	"	"	1200	E-W	250	"	"	"	10.45.20	10.48.53								2110	
"	"	B. Omori	10	N-S	15	30	30.5	"	10.45.17	10.48.51	10.49.46?	10.51.33	11.04.27	11.25.00	37	15	0.65	2120	M. 10.54.33 T=15. Am. 0.00. n=50. Ag=0.89
93	11	Wiech.	17000	N-S	2000	1.5	2:5	I _r	16.27.48	16.31.28	?							2200	
"	"	"	17000	E-W	2000	"	2:6	"	16.27.50	16.31.30?								2200	No hubo más fases.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T _e	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
94	11	Wiech	17000	N-S	2000	1.5	2:5	I _r	20.38.10	20.41.44	20.42.24							2120	
"	"	"	17000	E-W	2000	"	2:6	"	20.38.09	20.41.40	20.42.31							2090	No hay otras fases.
95	11	"	17000	N-S	2000	1.5	2:8	I _r	22.50.23			22.59.41	23.05.37	?	10.5	7	0.96		
"	"	"	17000	E-W	2000	"	2:6	"	22.50.22	?	?	22.59.48	23.03.10	23.14.19	10	7	8		
96	12	"	17000	N-S	2000	1.5	2:5	I _r	2.54.09										
"	"	"	17000	E-W	2000	"	2:6	"	2.54.10										Has otras fases muy inciertas.
97	16	"	17000	N-S	2000	1.5	2:5	III _v	23.59.35		24.00.50	24.01.15	24.02.46	24.08.38	7.75	1	30.92	583	M ₂ 24.01.23 T=1.5 A=26. u=7.28. Δg=13.
"	"	"	17000	E-W	2000	"	2:6	II _v	23.59.35		24.00.50	24.01.11	24.02.47	24.08.43		1		583	M ₂ 24.01.25 T=1 A=27.
98	18	"	17000	N-S	2000	1.5	2:5	II _v	11.07.46		11.09.02	11.09.06	11.10.06	11.14.01	2.24	1.5	39	590	
"	"	"	17000	E-W	2000	"	2:6	"	11.07.45		11.10.00	11.10.10	11.10.50	11.13.40	3.04	1	9.12	583	
99	19	"	17000	N-S	2000	1.5	2:5	II _g	0.20.05		0.20.07	0.20.08	0.20.13	0.20.30				15	
"	"	"	17000	E-W	2000	"	2:6	"	0.20.05		0.20.07	0.20.07	0.20.12	0.21.51				15	T. muy rápido.
100	19	"	17000	N-S	2000	1.5	2:5	I _r	14.36.43	14.38.30	14.38.35?	14.39.52	14.45.02	14.52.02	10	5	1.2	1000	
"	"	"	17000	E-W	2000	"	2:6	"	14.36.43	14.38.30	?	14.41.05	14.43.44	?	5.15	5	0.05	1000	
101	20	"	17000	N-S	2000	1.5	2:5	III _v	16.49.36		16.50.10	16.50.19	16.51.27	16.54.37	6.60	1	26.4	285	
"	"	"	17000	E-W	2000	"	2:6	"	16.49.34		16.50.09	16.50.19	16.51.19	16.54.09	6.55	1	00	282	
102	21	"	17000	N-S	2000	1.5	2:5	II _r	1.39.07	1.41.42?	1.41.52	1.42.15	1.43.16	1.48.01	5.94	1	23.76	1480	
"	"	"	17000	E-W	2000	"	2:6	"	1.39.07	1.40.42	1.40.54	1.41.07	1.42.17	1.46.30	5.5	1.5	8	1480	
103	24	"	17000	N-S	2000	1.5	2:5	II _r	20.33.19	20.36.50	20.37.42	20.42.54	20.48.39	21.21.50	15.7	7	1.3	2090	
"	"	"	17000	E-W	2000	"	2:6	"	20.33.19	20.36.48	20.37.42	20.43.42	20.50.24	21.12.44	13.66	6	1.52	2080	
"	"	"	1200	N-S	250	6	2:8	"	20.33.16	20.36.43?								2040	
"	"	"	1200	E-W	250	"	"	I _r	20.33.16	20.36.46								2050	
"	"	B.Omorí	10	N-S	15	30	30.5	"	20.33.19	20.37.32								2060	La otras fases inciertas.
104	25	Wiech.	17000	N-S	2000	1.5	2:5	II _r	14.11.07	14.14.40	14.15.30	14.21.33	14.28.17	14.43.49	15.7	7	1.3	2110	
"	"	"	17000	E-W	2000	"	2:6	"	14.11.08	14.14.40	14.15.33	14.22.00	14.29.40	14.43.50	11.39	6	1.27	2100	
"	"	"	1200	N-S	250	6	2:8	"	14.11.08	14.14.38								2080	
"	"	"	1200	E-W	250	"	"	"	14.11.07	14.14.37								2050	
"	"	B.Omorí	10	N-S	15	30	30.5	"	14.11.10	14.14.37	?	14.23.10	14.44.03					2040	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autoc	Mesa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ	T.	Ag.		
105	25	Wisch	17000	N-S	2000	1.5	2:5	I _L	15.07.32	15.11.04	15.11.54	15.16.03	15.21.47	?	7.58	6	84	2100	La demás fases inciertas.
"	"	"	17000	E-W	2000	"	2:6	"	15.07.29	15.11.02	15.11.42	15.16.02	15.25.29	15.37.29	9.11	6	1.01	2110	
"	"	S. Omori	10	N-S	15	30	30.5	I _L	15.07.31	15.11.01	15.11.46							2080	
106	27	Wisch.	17000	N-S	2000	1.5	2:5	I _L	8.34.28	8.38.18	8.39.04							2320	No hay más fases.
"	"	"	17000	E-W	2000	"	2:6	"	8.34.26	8.38.16	8.39.02							2320	
107	28	"	17000	N-S	2000	1.5	2:5	I _L	5.01.15	5.04.57?								2220	No se registraron las otras fases.
"	"	"	17000	E-W	2000	"	2:6	"	5.01.14	5.04.58								2240	
108	30	"	17000	N-S	2000	1.5	2:5	I _L	0.16.26		0.31.28	0.34.27			31.25	12	0.88	5078	
"	"	"	17000	E-W	2000	"	2:6	"	0.16.27	?	0.31.37?	0.34.33			26.7	11	0.74	5915?	

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.		
109	2	Wiech.	17000	N-S	2000	1.5	2:5			23.18.31	23.19.01	23.19.50	23.24.55	23.32.17		7		2000	
"	"	"	17000	E-W	2000	"	2:6	"		23.18.27	23.18.57	23.20.06	23.24.43	"				1800'	
110	3	"	17000	N-S	2000	1.5	2:5	II _v	11.56.03		11.56.21	11.56.38	11.57.17	11.59.12		1		169	
"	"	"	17000	E-W	2000	"	2:6	"	11.56.04		11.56.21	11.56.27	11.56.51	11.59.12				162	
111	6	"	17000	N-S	2000	1.5	2:5	III _v	7.47.26		7.47.53	7.48.00	7.49.10	7.52.42	11.42	1	46	234	
"	"	"	17000	E-W	2000	"	2:6	"	7.47.26		7.47.52	7.48.06	7.49.18	7.52.18	23	0.5	368	227	
"	"	"	1200	N-S	250	6	2:8	II _v	7.47.30		7.47.57	7.48.02	7.49.08	7.51.23		1		234	
"	"	"	1200	E-W	250	"	"	"	7.47.27		7.47.53	7.48.05	7.48.41	7.51.23	11	2	5.5	227	
112	8	"	17000	N-S	2000	1.5	2:5	I _v	11.24.14?		11.30.09	11.31.10	11.34.41	"	2.54	0.5	0.40	2783	P. muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	11.24.14?	?	11.30.00	11.31.19	11.33.40	11.40.16	2.57	5	0.51	2770	" " "
113	9	"	17000	N-S	2000	1.5	2:5	I _v	22.16.32		22.17.49	22.18.45	22.19.49	22.24.09	3.79	1	15	590	Tembor de Tehuantepec?
"	"	"	17000	E-W	2000	"	2:6	"	22.16.31		22.17.47	22.18.17	22.19.57	22.25.22	7.44	1	29	590	M ₂ 22.19.57 T=1. A=23.5. u=7.74 Δτ=30.
114	14	"	17000	N-S	2000	1.5	2:5	II _v	16.39.51		17.13.38	17.28.07	17.53.02	18.28.00				11900	
"	"	"	17000	E-W	2000	"	2:6	"	16.39.51?	?	17.13.10	17.26.37	17.47.00	18.12.00	267	22	2.2	11740'	
"	"	"	1200	N-S	250	6	2:8	"	16.39.50?	16.52.11	17.13.44	17.27.56	18.10.56	?					
"	"	"	1200	E-W	250	"	"	"	16.39.50	16.52.08	17.15.02	17.24.52	18.14.18	?		23		12000	M ₂ 17.28.54 T= 24 A= 4.00
"	"	"	200	N-W	80	6.5	3:5	"	16.39.51?	16.52.12?	17.14.18	17.24.35	17.53.40	?	66	16	1	12000	
"	"	"	200	S-E	80	6	"	"	16.39.51?	16.52.12?	17.14.18	17.24.35	17.53.40	?	66	16	1	12000	
"	"	B. Omori	10	N-S	15	30	30.5	"	?	16.52.20?	17.13.53	17.29.05	18.00.44	?		21	0	11525	
115	20	Wiech.	17000	N-S	2000	1.5	2:5	I _v	13.00.59		13.01.38	13.01.45	13.02.14	13.03.14	66	1	2.6	243	
"	"	"	17000	E-W	2000	"	2:6	"	13.00.59		13.01.51	13.01.38	13.02.41	13.03.00	1.35	1	5.40	271	
116	21	"	17000	N-S	2000	1.5	2:5	III _v	20.01.34										14 Sgs. después de iniciado el fenómeno se cayó el estilote.
"	"	"	17000	E-W	2000	"	2:6	"	20.01.34										5 Sgs. después de iniciado el temblor se cayó el estilote desnivelándose.
"	"	"	1200	N-S	250	6	2:8	"	20.01.35										16 Sgs. después de iniciado el temblor se cayó el estilote.
"	"	"	1200	E-W	250	"	"	"	20.01.35										15 Sgs. después de iniciado el temblor se cayó el estilote.
"	"	"	200	NE-SW	80	6.5	3:5	"	20.01.32		?	20.02.00	20.06.24	20.19.00	?			?	Desviación al SW
"	"	"	200	NW-SE	80	6	"	"	20.01.32		20.01.52	20.02.14	20.11.23	20.23.23	?			183	Desviación al S-E.
"	"	"	1300	Z	160	4	"	"	20.01.34										Se cayó el estilote.
"	"	"	80	Z	80	"	4	"	20.01.22		20.01.48	20.01.56	20.03.38	20.07.38				154	
"	"	B. Omori	10	N-S	15	30.	30.5	"	20.01.38		20.01.58	20.02.15	20.06.42	20.29.42	1			183	

Número	Fecha	INSTRUMENTO			CONSTANTES			Código	PRINCIPIO DE LAS FASES					PIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Marca	Comp.	V.	T.	s.		P.	R.	L.	M	C.		μ.	T.	Ag.		
125	1 ^o	Wiech.	17000	N-S	2000	1.5	2:5	III _r	19.57.11		20.00.02	20.01.25	20.20.25	21.25.25	659	8	41	1470	M _p 20.07.04 T=7 A=53 ucl71 Ag=15 C.F. Mal registradas.
"	"	"	17000	E-W	2000	"	2:6	"	19.57.11	19.59.37	19.59.54	20.01.19	20.13.56	21.10.59	632	8	40	1400	
"	"	"	1200	N-S	250	6	2:8	"	19.57.11	19.59.35	20.00.01	20.01.10	20.23.52	21.23.52	498	9	25	1464	
"	"	"	1200	E-W	250	"	"	"	19.57.09		19.59.59	20.01.14	20.14.14.	21.20.00	429	9	24	1462	
"	"	"	200	NE-SW	80	6.5	3:5	"	19.57.12		20.00.00	20.01.30			319	8	19	1450	
"	"	"	200	NW-SE	80	6	"	"	19.57.12		20.00.03	20.01.33	20.13.35	21.05.35	250	8	17	1475	
"	"	"	1300	Z	160	4	"	"	19.57.09	19.59.42	20.00.02	20.01.47	20.13.17	20.40.17	152	6	18	1400	
"	"	"	80	Z	80	4	4	II _r	19.57.11	?	20.00.01	20.00.51	20.12.11	?	7			1464	
"	"	B.Omo.	10	N-S	15	30	30.5	III _r	19.57.12		20.00.03	20.00.30	20.22.21.	21.01.00	79	9	4	1470	
126	3	Wiech.	17000	N-S	2000	1.5	2:5	II _v	8.51.34		8.52.08	8.52.23	8.53.02	8.54.23	1.15	1	46	285	
"	"	"	17000	E-W	2000	"	2:6	I _v	8.51.33		8.52.08	8.52.15	8.52.50	8.54.07	1.32	1	5.44	292	
127	4	"	17000	N-S	2000	1.5	2:5	I _u	17.03.41	17.13.18								8350	Las demás fases no se registraron.
"	"	"	17000	E-W	2000	"	2:6	"	17.03.42	17.13.18								8330	
128	5	"	17000	N-S	2000	1.5	2:5	I _r	6.12.28	6.17.26	6.19.33							3220	S. Muy incierta.
"	"	"	17000	E-W	2000	"	2:6	"	6.12.29	6.17.28	6.18.44?							3230	
129	6	"	17000	N-S	2000	1.5	2:5	I _v	0.14.29		0.15.03	0.15.13	0.15.40	0.16.30	1.01	1	6.04	285	
"	"	"	17000	E-W	2000	"	2:6	"	0.14.30		0.15.05	0.15.22	0.15.50	0.16.55	1.18	1	4.72	292	
130	11	"	17000	N-S	2000	1.5	2:5	II _r	4.42.06		4.44.06	4.44.35	4.45.50	4.50.24	4.85	2	4.85	1025	Guatemala.
"	"	"	17000	E-W	2000	"	2:6	"	4.42.07		4.44.04	4.44.30	4.46.00	4.50.11	2.03	1.5	36	1025	
131	11	"	17000	N-S	2000	1.5	2:5	II _d	4.50.30		4.50.31	4.50.31	4.50.35	?	2.25	0.5	36	7.5	T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6	I _d	4.50.29		4.50.30	4.50.31.5	4.50.35.5	?				7	
132	11	"	17000	N-S	2000	1.5	2:5	III _d	4.50.36		4.50.37	4.50.38	4.50.41	4.51.50	5.40	0.5	36	7.5	T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6	II _d			4.50.37	4.50.38	4.50.44	4.51.02				?	
133	11	"	17000	N-S	2000	1.5	2:5	III _v	22.37.48		22.38.13	22.38.32	22.40.10	22.42.14	11.7	1	46	220	
"	"	"	17000	E-W	2000	"	2:6	II _v	22.37.47		22.38.13	22.38.34	22.39.39	22.41.40	4.90	1	19.60	227	
134	12	"	17000	N-S	2000	1.5	2:5	I _r		13.51.04	13.52.35	13.54.21.	13.57.11	14.05.11	10.28	5	1.64	2800?	S. Apenas perceptible.
"	"	"	17000	E-W	2000	"	2:6	II _r	?		13.52.34	13.54.41	13.55.51	14.03.50	22.68	5	3.53	2800?	

Número	Fecha	INSTRUMENTO			CONSTANTES			Código	PRINCIPIO DE LAS FASES					PIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	c.		P.	S.	L.	M.	O.		μ.	T.	Ag.		
135	15	Wiech.	17000	N-S	2000	1.5	2:5	II _v	23.20.20		23.20.54	23.21.05	23.22.21	23.26.05	7.5	0.75	55	285	
"	"	"	17000	E-W	2000	"	2:6	"	23.20.20		23.20.55	23.21.15	23.22.20	23.24.10	5.75	1	23.30	292	
136	16	"	17000	N-S	2000	1.5	2:5	II _v	12.50.58		12.51.47	12.51.56	12.52.41	12.54.46	4.54	1	18.16	394	
"	"	"	17000	E-W	2000	"	2:6	I _v	12.50.59		12.51.51	12.52.10	12.52.28	12.55.59	2.21	1	9.8	416	
137	21	"	17000	N-S	2000	1.5	2:5	II _v	10.15.24	10.17.14	10.17.26	10.18.15	10.21.45	10.31.45	23	2	23	1020	
"	"	"	17000	E-W	2000	"	2:6	III _v	10.15.24	"	10.17.18	10.18.26	10.21.22	10.31.09	10.45	1.5	18	1000	
"	"	"	1200	N-S	250	6	2:8	"	10.15.23	10.17.11	10.17.30	10.18.26	10.21.33	10.31.21	34	3	15	1000	
"	"	"	1200	E-W	250	"	"	II _v	10.15.23	10.17.14	10.17.24	10.18.09	10.21.09	10.30.09	36	2	36	1020	
"	"	"	200	NE-SW	80	6.5	3:5	"	10.15.24	"	10.17.22	10.18.30	10.29.54	10.29.02	32	4	8	1100?	
"	"	"	200	NW-SE	80	6	"	I _v	"	"	10.17.20	10.18.27	10.20.23	10.28.23	31	4	7.7	"	
"	"	"	1300	Z ^o	160	4	3:5	III _v	10.15.23	10.17.08	10.17.20	10.18.00	10.19.27	"	25	4	6.2	1000?	
138	22	"	17000	N-S	2000	1.5	2:5	I _d	"		8.02.13	8.02.14	8.02.20	8.02.43	5.4	0.5	56	"	
"	"	"	17000	E-W	2000	"	2:6	III _d	"		8.02.12	8.02.13	8.02.20	8.02.32	4.14	0.5	66	"	
139	28	"	17000	N-S	2000	1.5	2:5	III _v	2.40.40		2.41.22	2.41.44	2.42.59	"	11.2	1.5	19	343	
"	"	"	17000	E-W	2000	"	2:6	"	2.40.44		2.41.24	2.41.41	2.43.01	2.46.06	15.00	1.5	28	329	
"	"	"	1200	N-S	250	6	2:8	"	2.40.46		2.41.23	2.41.35	2.42.20	2.45.20	"			307	Epifoco sobre el Río Balsas, curso inferior.
"	"	"	1200	E-W	250	"	"	I _v	2.40.41		2.41.20	2.41.32	2.42.38	2.47.14	13	3	6	329	
"	"	"	200	NE-SW	80	6.5	3:5	III _v	2.40.44		2.41.22	2.41.34	2.41.55	2.46.07	"			314	
"	"	"	200	NW-SE	80	6	"	"	2.40.44		2.41.25	2.41.29	2.42.09	2.46.09	"			336	Epifoco en Michoacán, margen derecha del Balsas, curso inferior
"	"	"	1300	Z	160	4	3:5	"	2.40.40		2.41.22	2.41.28	2.41.49	2.44.49	17.55	3	7.5	343	
140	28	"	17000	N-S	2000	1.5	2:5	I _v	10.04.22										Las demás fases muy inciertas.
"	"	"	17000	E-W	2000	"	2:6	"	10.04.20	10.14.20?									S. Muy incierta.
JAM																			

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Aut. or	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
141	10	Wiech.	17000	N-S	2000	1.5	2:5	II	4.16.06		4.16.31	4.17.05	4.17.53	4.20.06	2.1	1	8.4	220	
"	"	"	17000	E-W	2000	"	2:6	"	4.16.05		4.16.32	4.16.48	4.17.48	4.19.38	5.07	1	20.29	234	
142	4	"	17000	N-S	2000	1.5	2:5	III	16.11.22		16.12.52	16.13.20	16.18.37	16.50.00	37.8	4	23	492	Temblo de Chiapas.
"	"	"	17000	E-W	2000	"	2:6	"	16.11.22		16.12.52	16.13.32	16.17.08	16.40.08	10.7	1	42.8	492	" " "
"	"	"	1200	N-S	250	6	2:8	"	16.11.19		16.12.47	16.13.19	16.19.19	16.43.25	55	"	5	478	" " "
"	"	"	1200	E-W	250	"	"	"	16.11.22		16.12.49	16.13.53	16.18.54	16.43.54	54.8	4	13.7	470	" " "
"	"	"	200	NE-SW	80	6.5	3:5	"											" " " muy debilmente registra
"	"	"	200	NW-SE	80	6	"	"	16.11.23		16.12.54	16.13.47	16.19.35	16.50.32	53	4	13	490	trazo.
"	"	"	1300	Z	160	4	3:5	II	16.11.22		16.12.52	16.13.37	16.15.22	16.27.38	55.4	3	16	492	Temblo de Chiapas.
143	5	"	17000	N-S	2000	1.5	2:5	I	13.04.32		13.05.56	13.06.13	13.07.20	13.12.06	0.84	1	14	649	
"	"	"	17000	E-W	2000	"	2:6	"	13.04.32	13.05.42	?	13.06.19	13.07.03	13.11.03				640	M. Mal definida.
144	7	"	17000	N-S	2000	1.5	2:5	I	8.44.15		8.44.46	8.44.56	8.45.38	8.47.02	1.98	1	7.92	263	
"	"	"	17000	E-W	2000	"	2:6	"	8.44.15		8.44.45	8.44.59	8.45.37	8.46.38	1.69	1	6.76	286	
145	7	"	17000	N-S	2000	1.5	2:5	I			19.32.34	19.35.04	19.39.00	?	15.75	7	28	?	
"	"	"	17000	E-W	2000	"	2:6	"			19.32.17	19.34.10	19.37.41	?	7.59	6	8.24		
146	10	"	17000	N-S	2000	1.5	2:5	III	19.42.51		19.43.43	19.44.08	19.45.09	19.49.53	12.8	1.5	22.9	416	
"	"	"	17000	E-W	2000	"	2:6	"	19.42.50		19.43.41	19.43.54	19.45.14	19.50.50	17.24	1	68.96	409	
"	"	"	1200	N-S	250	6	2:8	"	19.42.50		19.43.41	19.43.56	19.45.02	19.49.22				409	M. Poco definida.
"	"	"	1200	E-W	250	"	"	II	19.42.51		19.43.43	19.43.55	19.45.25	19.48.25	14.48	2	14.46	416	
"	"	"	1300	Z	160	4	3:5	"	19.42.51?		19.43.42	?	19.44.40	19.46.40				409	
147	11	"	17000	N-S	2000	1.5	2:5	III	6.04.13		6.05.04	6.05.22	6.07.30	6.12.16	15.88	1.5	27.8	409	
"	"	"	17000	E-W	2000	"	2:6	"	6.04.14		6.05.06	6.05.33	6.07.11	6.10.11	17.58	1	70.32	416	
"	"	"	1200	N-S	250	6	2:8	"	6.04.15		6.05.06	6.05.24	6.06.54	6.10.12	281	3	12.4	409	
"	"	"	1200	E-W	250	"	"	"	6.04.13		?	6.05.10	6.06.40	6.09.40	17.4	3	7.7	?	
"	"	"	1300	Z	160	4	3:5	II	6.04.13		6.05.03	6.05.39	6.06.30	6.09.18	0.69	2	0.69	401	
148	17	"	17000	N-S	2000	1.5	2:5	I	0.28.52		0.29.25	0.29.36	0.30.09	0.32.04	0.99	1	3.96	280	
"	"	"	17000	E-W	2000	"	2:6	"	0.28.52		0.29.24	0.29.31	0.30.06	0.31.26	1.45	1.5	2.8	271	
149	17	"	17000	N-S	2000	1.5	2:5	I	20.58.12	?	21.04.34?	21.06.48	21.10.39	?	5.14	5	0.82	?	
"	"	"	17000	E-W	2000	"	2:6	"	20.58.14	21.02.42	21.04.10	21.07.06	21.14.01	21.30.01	7.59	6.5	0.84	2800	

Número	Fecha	INSTRUMENTO			CONSTANTES			Orientación	PRINCIPIO DE LAS FASES					VIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Δg.		
158	1 ^o	Wiech.	17000	N-S	2000	1.5	2:5	III	6.04.39		6.04.40	6.04.42	6.04.48	6.05.08				7	T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6	II	6.04.37		6.04.39	6.04.42	6.04.48	6.05.08				15	" " "
159	2	"	17000	N-E	2000	1.5	2:5	II	18.06.49		18.08.43	18.09.40	18.14.52	18.35.49	19.4	3	8.6	867	
"	"	"	17000	E-W	2000	"	2:6	"	18.06.49		18.08.44	18.09.26	18.16.48	18.32.48	22	3	10	874	
160	3	"	17000	N-S	2000	1.5	2:5	I				5.58.21							
"	"	"	17000	E-W	2000	"	2:6	"				5.58.21							
161	3	"	17000	N-S	2000	1.5	2:5	III	6.34.00		6.34.33	6.34.49	6.36.13	6.38.53	11.5	1.5	24	278	M ₂ 6.35.06 T=1.5 A=38 u=10.6 Δg=19
"	"	"	17000	E-W	2000	"	2:6	"	6.34.00		6.34.34	6.34.41	6.36.00	6.39.00	20	1	80	285	M ₂ 6.34.54 T=1 A=62 u=21 Δg=84
"	"	"	1800	N-S	250	6	2:8	II	6.34.03		6.34.36	6.34.44	6.35.53	6.37.32	14.5	2	14.6	278	M ₂ 6.34.49 T=2 A=3.5 u=12.7 Δg=12.7
"	"	"	1800	E-W	250	"	"	"	6.34.04		6.34.37	6.34.55	6.35.49	6.37.49	12.77	2	12.7	278	
162	4	"	17000	N-S	2000	1.5	2:5	I	10.34.12		10.35.35	10.35.46	10.36.12	10.37.24	0.99	1	3.94	649	P. Muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	10.34.12		10.35.34	10.35.44	10.36.13	10.37.00	1.59	1	6.76	634	" " "
163	6	"	17000	N-S	2000	1.5	2:5	II	14.24.07	14.28.28	14.30.41	14.36.40	?	?	13.14	14	0.88	2710	
"	"	"	17000	E-W	2000	"	2:6	"	14.24.07	14.28.30	14.31.58	14.39.03		?	17.36	13	0.87	2730	
"	"	"	1200	N-S	250	6	2:8	"	14.24.07	14.28.38	14.30.51	14.36.51	14.43.11	?	25.32	16	0.65	2840	
"	"	"	1200	E-W	250	"	"	"	14.24.07	14.28.38	14.31.54	14.34.34	14.40.30	?	25.05	16	0.64	2800	
164	6	"	17000	N-S	2000	1.5	2:8	III	18.11.55		18.12.28	18.13.02	18.15.58	18.27.50	22.66	1.5	40	280	
"	"	"	17000	E-W	2000	"	2:6	"	18.11.55										Se cayó el estilote.
"	"	"	1200	N-S	250	6	2:8	"	18.11.55		18.12.31	18.12.38	18.15.38	18.23.38	23.6	3	59.3	300	
"	"	"	1200	E-W	250	"	"	"	18.11.54		18.12.30	18.12.45	18.15.15	18.23.50	79	3	38	300	
"	"	"	200	NE-SW	80	6.5	3:5	"	18.11.55		18.12.31	18.12.39	18.14.35	?		2		300	
"	"	"	200	NW-SE	80	6	"	"	18.11.56		18.12.31	18.12.40	18.14.56	18.19.48		2		300	
"	"	"	1300	Z	160	4	"	"	18.11.53		18.12.29	18.12.47	18.15.47	?		?		300	
165	12	"	17000	N-S	2000	1.5	2:5	I	2.45.31		2.46.13	2.46.24	2.46.44	2.48.03	2.64	1	10.5	343	
"	"	"	17000	E-W	2000	"	2:6	"	2.45.31		2.46.13	2.46.21	2.46.44	2.48.14	4.39	1	17.56	343	
166	12	"	17000	N-S	2000	1.5	2:5	II	3.29.44		3.30.23	3.30.42	3.31.25	3.35.45	4.9	1	19.8	322	
"	"	"	17000	E-W	2000	"	2:6	"	3.29.43		3.30.25	3.30.33	3.31.30	3.34.10	4.07	1.5	7.2	343	
167	12	"	1200	N-S	250	6	2:8	I	3.05.32	3.16.59	3.44.17	4.03.13						10650	

Número	Fecha	INSTRUMENTO			CONSTANTES			Orden	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	A.		P.	S.	L.	M.	O.		p.	T.	Ag.		
168	15	Wiech.	17000	N-S	2000	1.5	2:5	III _o	20.13.22		20.13.25	20.13.27	20.13.32	20.14.06	7.65	0.5	122.4	22	
"	"	"	17000	E-W	2000	"	2:6	"	20.13.22		20.13.26	20.13.27	20.13.33	20.13.52	6.67	0.5	107	30	
169	16	"	17000	N-S	2000	1.5	2:5	III _o	6.49.14		6.49.15	6.49.16	6.49.21	6.49.21	5.85	0.5	93.6	7	
"	"	"	17000	E-W	2000	"	2:6	"	6.49.14		6.49.15	6.49.16	6.49.23	6.49.38	5.05	0.5	17.5	7	
170	16	"	17000	N-S	2000	1.5	2:5	III _v	15.41.11		15.41.54	15.42.08	15.45.08	15.51.08	23	0.75	165	351	Tembler de Pinotepa, Oax.
"	"	"	17000	E-W	2000	"	2:6	"	15.41.09		15.41.53	15.42.03			19.3	0.5	306	356	" " " " Se desmonta el estilite.
"	"	"	1800	N-S	250	6	2:8	"	15.41.12		15.41.54	15.42.03	15.43.21	15.50.00	68	3	30	343	" " " "
"	"	"	1200	E-W	250	"	"	"	15.41.12		15.41.52	15.41.58	15.44.16	15.52.10	77.8	2	77.8	329	" " " "
"	"	"	200	NW-SW	80	6.5	3:5	"	15.41.12		15.41.53	15.42.05	15.43.32	"	87.2	2	87.2	336	" " " "
"	"	"	200	NW-SE	80	6	"	"	15.41.12		15.41.54	15.41.58	15.44.14	15.50.06	125.9	2	125.9	343	" " " "
"	"	"	1200	Z	160	4	"	"	15.41.12		15.41.56	15.41.59	15.43.07	15.47.07	3			343	" " " " Impulso _ Z?
"	"	"	80	Z	80	"	4	"	15.41.14		15.41.56	15.42.12			7			343	" " " "
171	16	"	17000	N-S	2000	1.5	2:5	III _v	20.33.17		20.34.00	20.34.12	20.36.12	20.40.32	26.56	1	776.24	351	
"	"	"	17000	E-W	2000	"	2:6	"	20.33.17		20.33.59	20.34.06	20.36.06	"	203	1	312	343	
"	"	"	1200	N-S	250	6	2:8	"	20.33.18		20.33.59	20.34.07	20.36.27	20.40.15	27	2	27	336	
"	"	"	1200	E-W	250	"	"	"	20.33.18		20.33.58	20.34.02	20.35.14	20.43.14	23.5	2	23.5	329	
"	"	"	1300	Z	160	4	3:5	"	20.33.18		20.34.00	20.34.19	20.35.19	20.36.19	"			343	
172	18	"	17000	N-S	2000	1.5	2:5	I _v	14.19.52		14.20.27	14.20.28	14.20.51		0.99	1	3.9	292	F. Interferido con el principio del siguiente.
"	"	"	17000	E-W	2000	"	2:6	"	14.19.54		14.20.27	14.20.34		14.21.04	0.68	1	2.72	280	
173	18	"	17000	N-S	2000	1.5	2:5	III _v	14.21.01		14.21.34	14.21.43	14.23.39	14.27.13	20.6	0.75	147	276	
"	"	"	17000	E-W	2000	"	2:6	"	14.21.04		14.21.36	14.21.53	14.23.35	14.27.35	24	17	96	271	
"	"	"	1200	N-S	250	6	2:8	"	14.21.04		14.21.37	14.21.41	14.22.53	14.25.56	"			278	
"	"	"	1200	E-W	250	"	"	"	14.21.01		14.21.33	14.21.48	14.22.30	14.26.15	"			271	
174	22	"	17000	N-S	2000	1.5	2:5	I _v	4.10.13	4.14.57	4.17.14							3020	Guayaquil, Ecuador. Fases poco definidas.
"	"	"	17000	E-W	2000	"	2:6	"	4.10.12	4.14.59	4.17.06	4.20.55			4.07	3	1.8	3030	Guayaquil, Ecuador. No se distinguen las otras fase.
175	24	"	17000	N-S	2000	1.5	2:5	I _u	5.14.34	"	5.41.56	5.57.47			25	15	0.44	96107	
"	"	"	17000	E-W	2000	"	2:6	"	5.14.43	5.25.19	5.41.36	5.57.58	5.05.48	"	5.37	18	0.06	9526	
"	"	"	1200	N-S	250	6	2:8	"	5.14.41	5.25.23	5.41.32	5.57.53	5.04.53	"	11.06	15	0.20	96407	
"	"	"	1200	E-W	250	"	"	"	5.14.29	"	5.41.23	5.58.02			10.86	15	20		

Número	Fecha	INSTRUMENTO			CONSTANTES			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Δg.		
178	24	Wiech.	17000	N-S	2000	1.5	2:5	III _v	8.38.46		8.39.26	8.39.52	8.42.52	8.47.42	22.65	1	91.40	329	
"	"	"	17000	E-W	2000	"	2:8	"	8.38.46		8.39.25	8.39.35			25.66	2	102.6	322	Se salto el estilote.
"	"	"	1200	N-S	250	6	2:8	"	8.38.46		8.39.23	8.40.03	8.42.13	8.47.52	76.30	5	12.30	345	
"	"	"	1200	E-W	250	"	"	II _v	8.38.46		8.39.26	8.39.59	8.41.50	8.43.50	50	3	22	329	
"	"	"	200	NE-SW	80	6.5	3:5	"	8.38.46		8.39.27	8.39.41	8.40.41	?	92.8	2	92.8	338	
"	"	"	200	NW-SR	80	6	"	III _v	8.38.46		8.39.26	8.39.41	8.41.52	?	226	3	100	329	
"	"	"	1300	Z	160	4	"	"	8.38.46		8.39.28	8.40.00	8.40.48	8.47.20	44	3	19	345	
177	24	"	17000	N-S	2000	1.5	2:5	II _v	8.49.28		8.50.06	8.50.24	8.50.58	8.54.00	7.39	1	29.56	336	
"	"	"	1200	N-S	250	6	2:8	"	8.49.28		8.50.05	?	8.50.56	8.53.56				329	
"	"	"	1200	E-W	250	"	"	I _v	8.49.28		8.50.09		8.51.09	8.52.54				336	
178	24	"	17000	N-S	2000	1.5	2:5	II _v	8.56.16		8.56.56	8.57.10	8.57.50	9.00.00	5.04	1	20.16	343	
"	"	"	1200	N-S	250	6	2:8	I _v	8.56.19		8.56.50	?	8.57.35	9.00.00				336	
"	"	"	1200	E-W	250	"	"	"	?		8.56.56		8.57.41	?				?	
179	28	"	17000	N-S	2000	1.5	2:5	I _v	15.58.52		15.59.23	15.59.31	15.59.51	16.00.24	1	1	4	263	
"	"	"	17000	E-W	2000	"	2:6	"	15.58.54		15.59.26		16.00.27	16.01.03				271	
180	28	"	17000	N-S	2000	1.5	2:5	I _v	18.47.43		18.48.30	18.48.40	18.49.31	18.50.36	1.68	1	6.72	380	Jamiltapco, Oax. ?
"	"	"	17000	E-W	2000	"	2:6	"	18.47.43		18.48.30	18.48.39	18.49.43	18.51.15	1.69	1	6.76	380	M ₂ 18.48.53 T=1 A=6 u=2.03 Δg=3.12
181	28	"	17000	N-S	2000	1.5	2:5	II _v	23.47.37		23.48.17	23.48.22	23.49.39	23.52.00	2.52	1.5	4.4	329	M ₂ 23.48.47 T=1 A=9 u=2.03 Δg=3.12
"	"	"	17000	E-W	2000	"	2:6	"	23.47.38		23.48.16	23.48.29	23.49.35	23.52.10	3.28	1	35.12	314	M ₂ 23.48.45 T=1 A=11 u=3.72 Δg=4.88

JAM

Número	Fecha	INSTRUMENTO			CONSTANTES			Clasificación	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
182	7	Wiech.	17000	N-S	2000	1.5	2:5	I			8.46.53								Fases inciertas y poco notables.
"	"	"	17000	E-W	2000	"	2:6	"			8.46.31	8.46.01	8.50.49	?		6		?	
183	7	"	17000	N-S	2000	1.5	2:5	I	?		10.50.49	10.51.24	10.59.48	?	4.88	5	0.78	?	M ₂ 10.52.17 T=5 A=1 u=5.14 Δg=0.62
"	"	"	17000	E-W	2000	"	2:6	"			10.50.49	10.52.11	10.59.19	?	11.38	6	1.26	?	
184	7	"	17000	N-S	2000	1.5	2:5	I	?		13.23.01	13.23.51	13.44.00	?	4.14	5	2.26	?	M ₂ 13.24.48 T=5 A=2.5 u=12.35 Δg=2.05
"	"	"	17000	E-W	2000	"	2:6	"			13.23.06	13.24.34	13.34.27	13.51.06	47	7	3.8	?	
185	7	"	17000	N-S	2000	1.5	2:5	I	?		16.36.25	16.37.32	16.43.26	?	7.58	6	0.85	?	
"	"	"	17000	E-W	2000	"	2:6	"			16.36.18?	16.38.41	16.41.27	?	7.7	5	1.2	?	
186	12	"	17000	N-S	2000	1.5	2:5	I	0.29.38		0.30.26	0.30.34	0.31.02	0.32.10	1.01	1	4.04	387	P. Muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	0.29.37		0.30.26	0.30.28	0.30.50	0.32.50	1.7	1	68	394	
187	12	"	17000	N-S	2000	1.5	2:5	II	18.56.17		18.56.19	18.56.20	18.56.26	18.57.10	3.6	0.5	59	15	
"	"	"	17000	E-W	2000	"	2:6	"	18.56.17		18.56.18	18.56.18	18.56.26	18.56.46	3.1	0.75	22	7	
188	13	"	17000	N-S	2000	1.5	2:5	II	12.19.00		12.19.01	12.19.02	12.19.09	12.19.32	3.1	0.5	49	7	
"	"	"	17000	E-W	2000	"	"	"	12.19.01		12.19.02	12.19.03	12.19.19	12.19.29	4.7	0.5	75	7	
189	14	"	17000	N-S	2000	1.5	2:5	I	0.23.58	0.26.20	?	0.27.08	0.28.06	0.31.52	0.54	2	0.54	1340	P. Muy incierto.
"	"	"	17000	E-W	2000	"	2:6	"	0.23.57	0.26.18?	0.26.38	0.26.56	0.27.56	0.36.48	0.8	2	0.8	1330	
190	14	"	17000	N-S	2000	1.5	2:5	I	18.16.39	18.27.36	18.44.49	?	19.15.38	?				9970	P. Incierto. Italia Baresi.
"	"	"	17000	E-W	2000	"	2:6	"	18.16.35	18.27.27	18.44.55	19.02.02	19.22.47	?	7.59	18	0.90	9870	P. Muy incierto.
191	16	"	17000	N-S	2000	1.5	2:5	I	15.06.13		15.06.55	15.07.02	15.07.23	15.09.08	8	1	3.2	343	
"	"	"	17000	E-W	2000	"	2:6	"	15.06.13		15.07.53	15.07.59	15.08.25	15.10.05	0.95	1	3.40	329	P. Muy incierto.
192	17	"	17000	N-S	2000	1.5	2:5	II	23.25.14		23.25.57	23.26.09	23.26.48	23.28.28	1.68	1	6.72	351	M ₂ 23.26.19 T=1 A=5.3 u=1.97 Δg=7.66
"	"	"	17000	E-W	2000	"	2:6	"	23.25.12		23.25.54	23.26.07	23.26.51	23.29.49	2.7	1	10.8	343	
193	17	"	17000	N-S	2000	1.5	2:5	I	23.36.19		23.35.57	23.37.01	23.37.21	23.38.13	0.40	1	1.60	314	
"	"	"	17000	E-W	2000	"	2:6	"	23.36.19		23.37.57	23.38.05	23.38.25	?	34	1	1.36	314	
194	23	"	17000	N-S	2000	1.5	2:5	I	17.50.02		17.50.07	17.50.08	17.50.12	17.50.43	3.15	0.5	50	74?	
"	"	"	17000	E-W	2000	"	2:6	"	17.50.01?		17.50.07?	17.50.09	17.50.12	17.50.42	5.98	0.5	95	81?	

[illegible]

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autór	Marca	Comp.	V.	T ₁	e		P.	S.	L.	M.	C.		μ.	T.	Δg.		
204	2	Wiesh.	17000	N-S	2000	1.5	2:5	I _r	23.56.10		23.59.13		0.03.22	0.03.44				1590	
"	"	"	17000	E-W	2000	"	2:6	"	23.56.13?	23.59.14	23.59.15	0.00.06	0.03.48	0.11.48	2.4	3	1	1570?	
205	7	"	17000	N-S	2000	1.5	2:5	I _v	16.32.39		16.33.33	16.33.38	16.34.24	16.36.18	2.8	1	11.8	431	
"	"	"	17000	E-W	2000	"	2:6	II _v	16.32.42		16.33.33	16.33.51	16.34.32	16.36.32	4.13	1	16.52	431	
206	9	"	17000	N-S	2000	1.5	2:5	II _d	0.27.28		0.27.30	0.27.30	0.27.34	0.27.50	1.58	0.5	25.3	15	
"	"	"	17000	E-W	2000	"	2:6	I _d	0.27.28		0.27.30	0.27.31	0.27.35	0.27.48	2.30	0.5	56.80	15	
207	10	"	17000	N-S	2000	1.5	2:5	I _v	8.36.13?		8.36.58	8.36.12	8.36.42	8.37.42	0.84	1	3.36	365	
"	"	"	17000	E-W	2000	"	2:6	"	8.36.11?		8.36.58		8.37.40	8.38.30				365	M. Mal definida.
208	14	"	17000	N-S	2000	1.5	2:5	I _v	?		1.21.15	1.21.28	1.21.56	?	1.18	1	4.72		
"	"	"	17000	E-W	2000	"	2:6	"	1.20.15?		1.21.10	1.21.29	1.21.51	?	2.5	1	10	438	
209	14	"	17000	N-S	2000	1.5	2:5	I _v	?		1.48.27	1.48.34	1.48.54	1.49.01	1.54	1.5	2.8		
"	"	"	17000	E-W	2000	"	2:6	"	?		1.48.28	1.48.47	1.49.05	1.49.58	1.7	1	6.8	?	
210	14	"	17000	N-S	2000	1.5	2:5	II _v	3.58.46		3.59.38	3.59.46	4.00.52	4.03.52	5.54	1	22	416	M ₂ 3.59.52 T=1 A=17.5 u=6 Δg=24
"	"	"	17000	E-W	2000	"	2:6	"	3.58.42		3.59.36	3.59.42	4.01.06	4.06.00	17	1	68	430	
211	18	"	17000	N-S	2000	1.5	2:5	I _v			14.41.55	14.41.55	14.42.19	14.43.19	1.6	0.5	25		
"	"	"	17000	E-W	2000	"	2:6	"	14.41.46?		14.41.59	14.42.12	14.42.32	14.43.34	4.2	1	16.8	133?	
212	19	"	17000	N-S	2000	1.5	2:5	I _d	20.06.42		20.06.43.5	20.06.46.5	20.06.51	20.07.04	2.9	0.5	46	11	
"	"	"	17000	E-W	2000	"	2:6	"	20.06.45		20.06.45	20.06.47	20.06.54	20.07.10	4.0	0.5	73.6	15	
213	21	"	17000	E-W	2000	1.5	2:6	I _v	17.12.45?		17.13.28	17.13.40	17.13.58	17.15.28	0.68	1	2.7	350	
214	22	"	17000	N-S	2000	1.5	2:5	III _d	4.52.34		4.52.37	4.52.38	4.52.42	4.53.30	5.85	0.5	94	22	
"	"	"	17000	E-W	2000	"	2:6	I _d	4.52.34		4.52.36.5	4.52.37	4.52.43	4.52.59	5.06	0.5	20	18	
215	22	"	17000	N-S	2000	1.5	2:5	I _r	?	11.57.18	11.57.28	11.59.21	12.03.41	12.07.22	3.14	4	0.78		Δ ₂ 12.00.41 T=5 A=1 u=3.15 Δg=0.50
"	"	"	17000	E-W	2000	"	2:6	"	11.54.27	11.57.18	11.57.30	11.59.27	12.03.48	?	4.7	4	1.2	1650	
216	22	"	17000	E-W	2000	1.5	2:6	I _r	?	20.32.58?	20.32.58	20.33.55	20.34.36	?	7.7	5	1.2	?	Muy débilmente registrado en la componente N-S.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ .	T.	Δg .		
217	23	Wiech.	17000	N-S	2000	1.5	2:6	I _d	23.02.15		23.02.17.5	23.02.19	23.02.28	23.03.17				19	T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6	II _d	23.02.16		23.02.18	23.02.19	23.02.29	23.02.50	5.52	0.5	88	15	
218	24	"	17000	N-S	2000	1.5	2:5	I _d	0.51.08		0.51.10.5	0.51.12.5	0.51.16.5	0.51.47	6.3	0.5	100	19	
"	"	"	17000	E-W	2000	"	2:6	III _d	0.51.08		0.51.10.5	0.51.12	0.51.20	0.51.42	9.20	0.5	147	19	
219	24	"	17000	N-S	2000	1.5	2:5	I _v	17.07.20		17.07.37	17.07.41	17.08.17	17.09.18	1.00	1	4.00	162	
"	"	"	17000	E-W	2000	"	2:6	"	?		17.07.39	17.07.39	17.08.13	17.10.13	1	1.5	1.7	?	
220	25	"	17000	N-S	2000	1.5	2:5	II _d	6.49.14		6.49.16	6.49.17	6.49.27	6.49.52	7.43	0.5	119	15	
"	"	"	17000	E-W	2000	"	2:6	II _d	6.49.14		6.49.16	6.49.16.5	6.49.22	6.49.48	12	0.5	192	15	
221	27	"	17000	N-S	2000	1.5	2:5	II _v	13.25.55		13.26.24?	13.26.41	13.27.36	13.30.26	2.33	1.5	4	249	
"	"	"	17000	E-W	2000	"	2:6	"	13.25.54		13.26.22	13.26.26	13.27.26	13.31.11	7.14	1	28.5	242	M ₂ 13.26.39 T=1 A=20.5 u=5.97 $\Delta g=27.8$
222	30	"	17000	N-S	2000	1.5	2:5	I _v	5.19.20		5.20.05	5.20.11	5.20.29	5.22.07	0.8	1	3.2	365	
"	"	"	17000	E-W	2000	"	2:6	"	5.19.20?		5.20.04	5.20.11	5.20.23	5.23.08	85	1	3.4	365	

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Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		u.	T.	Ag		
223	6	Wiech.	17000	N-S	2000	1.5	2:5	I _d	17.03.35		17.03.36	17.03.37	17.03.42	17.03.52	3,15	0,5	45,00	77	
"	"	"	17000	E-W	2000	"	2:6	"	17.03.35		17.03.36	17.03.37	17.03.40	17.04.00	4,6	0,5	7,2	7	
224	"	"	17000	N-S	2000	1.5	2:5	I _v	2.01.57		2.02.37	2.02.53	2.03.18	2.05.05	1,17	1	4,68	329	
"	"	"	17000	E-W	2000	"	2:6	"	2.01.58		2.02.39	2.02.42	2.03.12	2.05.12	1,76	1	5,44	336	
225	7	"	17000	N-S	2000	1.5	2:5	I _v	16.17.44		16.18.20	16.18.32	16.18.53	16.20.05	,99	1	3,9	300	
"	"	"	17000	E-W	2000	"	2:6	"	16.17.47		16.18.23		16.19.04	16.20.52				300	M. Incierta.
226	9	"	17000	N-S	2000	1.5	2:5	III _v	5.09.00		5.09.34	5.09.44	5.10.39	5.12.59	7,9	1	31,6	255	
"	"	"	17000	E-W	2000	"	2:6	"	5.09.00		5.09.35	5.09.47	5.10.38	5.13.50	10,14	1	41,60	292	
227	10	"	17000	N-S	2000	1.5	2:5	I _r	21.32.40	21.34.36	21.34.46	21.35.01	21.35.55	21.42.50	1,08	2	1,08	1080	
"	"	"	17000	E-W	2000	"	2:6	"	21.32.29	21.34,33	21.34.39	21.35.25	21.36.13	21.42.05	2,7	1,5	4,7	1060	
228	11	"	17000	N-S	2000	1.5	2:5	I _v	9.50.41		9.51.34		9.52.10	9.53.40				423	M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	9.50.41		9.51.37		9.52.19	9.53.39				445	" "
229	12	"	17000	N-S	2000	1.5	2:5	II _v	21.59.31		22.00.05	22.00.16	22.00.37	22.02.37	2,47	1	9,88	249	
"	"	"	17000	E-W	2000	"	2:6	"	21.59.30		22.00.00	22.00.13	22.01.13	22.03.23	4,23	1	16,32	256	
230	15	"	17000	N-S	2000	1.5	2:5	I _d	18.58.27		18.58.28	18.58.30	18.58.34	18.58.44				7	T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6	"	18.58.27		18.58.28	18.58.29	18.58.35	18.58.50				77	" " "
231	16	"	17000	N-S	2000	1.5	2:5	II _d	10.34.35		10.34.36,5	10.34.37,5	10.34.40,5	10.35.07				11	T. Muy rápido.
"	"	"	17000	E-W	2000	"	2:6	III _d	10.34.36		10.34.37	10.34.38	10.34.46	10.34.58	5,52	1	84,00	77	
232	17	"	17000	N-S	2000	1.5	2:5	I _v	8.33.44		8.34.25	8.34.33	8.35.09	8.36.10	0,85	1	0,85	336	
"	"	"	17000	E-W	2000	"	2:6	"	8.33.46		8.34.26	8.34.35	8.34.49	8.35.49	1,5	1	1,5	329	
233	18	"	17000	N-S	2000	1.5	2:5	II _v	17.00.49		17.01.39	17.01.57	17.02.57	17.04.27	9,00	1	27,00	402	
"	"	"	17000	E-W	2000	"	2:6	"	17.00.50		17.01.41	17.01.50	17.02.36	17.04.59	6,3	1	25,2	409	M ₂ 17.02.01 T=17 u=5,8 Ag=23,2
234	18	"	17000	N-S	2000	1.5	2:5	I _r	23.11.11	23.14.46	23.15.58							2140	Las otras fases inciertas.
"	"	"	17000	E-W	2000	"	2:6	"	23.11.12	23.14.47	23.15.56							2140	" " " "

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.		
235	20	Wiech.	17000	N-S	2000	1.5	2:5	I _v	0.31.16		0.31.31	0.32.00	0.32.29	0.33.56	2.47	0.5	39	147	
"	"	"	17000	E-W	2000	"	2:6	"	0.31.15		0.31.31	0.31.54	0.32.29	0.34.12	7.43	21	7.43	154	
236	20	"	17000	N-S	2000	1.5	2:5	I _v	8.47.37	8.55.17?								6060	No hay más fases.
"	"	"	17000	E-W	2000	"	2:6	"	8.47.37	8.55.17								6060	" " " "
237	20	"	17000	N-S	2000	1.5	2:5	I _v	20.04.37	20.14.21								8480	No hay más fases.
"	"	"	17000	E-W	2000	"	2:6	"	20.04.45	20.14.29								8480	" " " "
238	22	"	17000	N-S	2000	1.5	2:5	I _v	6.41.15		6.42.40		6.43.34	6.45.25				656	
"	"	"	17000	E-W	2000	"	2:6	"	?		6.42.42	6.43.03	6.43.19	6.44.56	.95	1	3.4	?	
239	23	"	17000	N-S	2000	1.5	2:5	II _v	12.41.06		12.41.24	12.41.25	12.41.56	12.42.56	2.30	0.5	37.00	169	
"	"	"	17000	E-W	2000	"	2:6	"	12.41.06		12.41.24	12.41.24	12.41.57	12.43.54	2.5	0.5	40	176	
240	23	"	17000	N-S	2000	1.5	2:5	I _v	20.08.04		20.09.59		20.09.44	20.11.32				438	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	20.08.05		20.09.01		20.09.36	20.12.58				445	" " "
241	27	"	17000	N-S	2000	1.5	2:5	I _v	11.54.27?		11.55.43?	11.55.58	11.56.20	11.59.30				591	M. Poco definida.
"	"	"	17000	E-W	2000	"	2:6	"	11.54.26		11.55.40	11.55.53	11.56.36	11.59.21	1.8	1	7.2	576	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Auto.	Msa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		u.	T.	Ag.		
242	1.	Wiech.	17000	N-S	2000	1.5	2:5	I	4.59.30										
"	"	"	17000	E-W	2000	"	2:6	"	4.59.31	4.00.54?								2000	Las otras fases muy inciertas.
243	1.	"	17000	N-S	2000	1.5	2:5	I	6.34.34		6.35.12?		6.35.52	6.36.37				314	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	6.43.32		6.35.12		6.35.34	6.36.19				329	" " "
244	2	"	17000	N-S	2000	1.5	2:5	II	7.18.05		7.18.47	7.18.59	7.19.34	7.22.36	5.71	1	22.84	343	
"	"	"	17000	E-W	2000	"	2:6	"	7.18.05		7.18.45	7.18.52	7.19.37	7.22.55	6.46	1	25.8	329	M ₂ 7.19.10 T=1 A=17.5 u=5.9 Δg=23
245	5	"	17000	N-S	2000	1.5	2:5	I	18.09.12		18.09.06		18.09.35	18.11.57				430	M. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	18.06.15?		18.09.05	18.09.19	18.09.49	18.11.57	.85	1	3.4	401	
246	8	"	17000	N-S	2000	1.5	2:5	III	8.54.11		8.54.46?	8.55.02	8.57.20	?	20.00	1	80	292?	M ₂ 8.55.24 T=1 A=62 u=21.00 Δg=84
"	"	"	17000	E-W	2000	"	2:6	"	8.54.13		8.55.49	8.55.53	8.57.11	9.02.01	21	1	84	307	
"	"	"	1200	N-S	250	6	2:8	II	8.54.12		8.54.45	8.54.55	8.56.55	9.02.00	39.12	3	17.40	278	
"	"	"	1200	E-W	250	"	"	"	8.54.15		8.54.48	8.55.22	8.56.04	8.59.43	35.40	3	11.20	280	
"	"	"	1300	Z	160	4	3:5	"	8.54.12		8.54.45	8.55.06	8.56.12	9.00.00?	4.42	3	2.40	278	
247	8	"	17000	N-S	2000	1.5	2:5	I	9.41.27		9.42.02?		9.42.44	9.43.00				292?	M. Mal definida.
"	"	"	17000	E-W	2000	"	2:6	"	9.11.24		9.42.01		9.42.26	9.43.26				307	" " "
248	8	"	17000	N-S	2000	1.5	2:5	I	9.46.50		9.47.26?		9.47.57					300?	M. Mal definida. F. Interferido.
"	"	"	17000	E-W	2000	"	2:6	"	9.46.47		9.47.23		9.48.49					300	" " " " "
249	8	"	17000	N-S	2000	1.5	2:5	I	10.35.53		10.36.29?	10.36.39	10.37.19	10.38.20				300	
"	"	"	17000	E-W	2000	"	2:6	"	10.35.50		10.36.26	10.36.29	10.36.58	10.37.58	1.19	1	4.7	300	
250	11	"	17000	N-S	2000	1.5	2:5	I	4.03.31		4.04.56	4.05.12	4.05.46	4.08.59	1.48	1	1.5	656	
"	"	"	17000	E-W	2000	"	2:6	"	4.03.33		4.04.58	4.05.04	4.06.00	4.08.00	2.34	1	9.36	656	
251	11	"	17000	N-S	2000	1.5	2:5	III	16.10.33		16.11.26	16.11.35	16.12.33	16.16.03	9.7	1	38.8	350	
"	"	"	17000	E-W	2000	"	2:6	"	16.10.34		16.11.16	16.11.22	16.11.56	16.16.00	25.14	1	200.56	343	
252	12	"	17000	N-S	2000	1.5	2:5	I	6.39.15		6.39.17	6.39.20	6.39.24	6.39.49	1.8	0.5	26	15	
"	"	"	17000	E-W	2000	"	2:6	"	6.39.16		6.39.18	6.39.20	6.39.26	6.39.43	3.35	1	13.46	15	
253	13	"	17000	N-S	2000	1.5	2:5	I	12.22.08		12.22.09	12.22.10	12.22.17	12.22.30	2.25	0.5	9.00	7	
"	"	"	17000	E-W	2000	"	2:6	"	12.22.07		12.22.08.5	12.22.09.5	12.22.16	12.22.31	2.3	0.5	36	11	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mesa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		u.	T.	Ag.		
254	14	Wiech.	17000	N-S	2000	1.5	2:5	I _v	14.27.05		14.27.54	14.28.05	14.28.29	14.29.53	3.20	1	2.9	274	
"	"	"	17000	E-W	2000	"	2:6	"	14.27.06		14.27.52	14.28.01	14.28.34	14.30.00	3.35	1	12.40	287	
255	15	"	17000	N-S	2000	1.5	2:5	I _v	10.57.54		10.57.55		10.57.59	10.58.01				7	L. Incierta.
"	"	"	17000	E-W	2000	"	2:6	"	10.57.54		10.57.55		10.57.59	10.58.02				7	"
256	15	"	17000	N-S	2000	1.5	2:5	II _v	10.58.47		10.58.51	10.58.53	10.58.56	10.59.11	0.5			30	
"	"	"	17000	E-W	2000	"	2:6	"	10.58.47		10.58.51	10.58.52	10.58.57	10.59.17	3.2	0.5	57	30	
257	15	"	17000	N-S	2000	1.5	2:5	II _v	11.00.11		11.00.13	11.00.15	11.00.19	11.00.33				152	T. Rápido.
"	"	"	17000	E-W	2000	"	2:6	"	11.00.12		11.00.13	11.00.15	11.00.17	11.00.29	2.9	0.5	44	7	
258	15	"	17000	N-S	2000	1.5	2:5	III _v	11.15.22		11.15.23.5	11.15.26	11.15.30	11.15.45	0.5			112	
"	"	"	17000	E-W	2000	"	2:6	III _v	11.15.22		11.15.22	11.15.24	11.15.31	11.15.54	6.2	0.5	110	0	
259	18	"	17000	N-S	2000	1.5	2:5	I _v	0.33.21		0.33.56	0.34.03	0.34.21	?	1.3	0.5	20	290	Se desniveló la componente
"	"	"	17000	E-W	2000	"	2:6	"	0.33.19		0.33.54	0.33.56	0.34.19	0.36.30	3.72	1	14.85	285	
260	21	"	17000	N-S	2000	1.5	2:5	II _v	11.49.52		11.50.44	11.51.13	11.51.34	11.53.34	2.47	1	2.68	416	
"	"	"	17000	E-W	2000	"	2:6	"	11.49.51		11.50.41	11.50.50	11.51.50	11.52.30	4.20	1.5	5.00	402	Δ_2 11.51.10 T=1 A=7.5 u=2.13 Δ_2 =3.72
261	23	"	17000	N-S	2000	1.5	2:5	II _v	1.28.51		1.28.52	1.28.52.5	1.28.58	1.29.18	6.07	0.5	97	7	
"	"	"	17000	E-W	2000	"	2:6	"	1.28.50		1.28.52	1.28.52	1.28.57	1.29.00	5.06	0.5	81	15	
262	23	"	17000	N-S	2000	1.5	2:5	I _v	11.26.59		11.27.43	11.28.46	11.29.11	11.30.11	4	1	1.6	358	
"	"	"	17000	E-W	2000	"	2:6	"	11.26.57		11.27.01	11.27.11	11.27.32	11.29.32	0.61	1	2.04	358	
263	23	"	17000	N-S	2000	1.5	2:5	I _v	13.04.55		13.05.39	13.05.59	13.06.16	13.08.00	1.48	1	5.9	358	
"	"	"	17000	E-W	2000	"	2:6	II _v	13.04.53		13.05.35	13.05.48	13.05.58	13.06.00	1.66	1	7.44	343	
264	24	"	17000	N-S	2000	1.5	2:5	II _v	5.18.57		5.19.33	5.19.39	5.20.57	5.22.01	3.1	1	12.4	300	
"	"	"	17000	E-W	2000	"	2:6	"	5.18.56		5.19.31	5.19.40	5.20.18	5.22.18	4.90	1	15.30	292	Δ_2 5.19.53 T=1 A=20.5 u=6.27 Δ_2 =27.48
265	26	"	17000	N-S	2000	1.5	2:5	I _v	0.42.14		0.43.06	0.43.30	0.44.00	0.46.00	0.67	1	2.68	416	
"	"	"	17000	E-W	2000	"	2:6	"	0.42.13		0.43.05	0.43.19	0.44.05	0.46.20	0.85	1	3.12	416	

Estación Seismológica de T A C U B A Y A . D . F .

Mes de NOVEMBRE de 1924.

Mes de NOVIEMBRE de 1924.																			
Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Antor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		P.	T.	Ag.		
266	28	Wiech.	17000	N-S	2000	1.5	2:5	I _v	9.55.06		9.55.35	?	9.56.07	9.57.01		?		256	
"	"	"	17000	E-W	2000	"	2:6	"	9.55.05		9.55.35	9.56.45?	9.56.53	9.56.44		1		256	
267	28	"	17000	N-S	2000	1.5	2:5	I _v	13.09.58		13.10.12	13.10.21	13.10.34	13.11.34		0.5		140	Zitacuaro, Mich.
"	"	"	17000	E-W	2000	"	2:6	"	13.09.58		13.10.12		13.10.34	13.11.30				140	N. Incierta.

Número	Fecha	INSTRUMENTO			CONSTANTES			Cauder	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		u.	T.	dg.		
268	3	Wiesch.	17000	N-S	2000	1.5	2:5	I _v	23.14.30		23.15.13	23.15.21	23.15.12	?	2,1	1	8,4	350	M ₀ 23.15.36 T=1.5 A=10 u=2.95 Δg=5.00
"	"	"	17000	E-W	2000	"	2:6	II _v	23.14.33		23.15.13	23.15.22	23.16.02	23.17.42	3.38	1	13.52	329	
269	6	"	17000	N-S	2000	1.5	2:5	I _d	7.36.15		7.36.23	?	7.36.49	7.36.49				96	
"	"	"	17000	E-W	2000	"	2:6	"	7.36.15		7.36.23	7.36.27	7.36.53	7.38.00	1.64	2	1.54	96	
270	6	"	17000	N-S	2000	1.5	2:5	I _v	21.19.53		21.20.24	21.20.32	21.20.44	21.21.54	1,3	1	5,5	263	
"	"	"	17000	E-W	2000	"	2:6	"	21.19.547		21.20.25	21.20.32	21.20.50	21.22.15	1.63	1	13.32	264	
271	8	"	17000	N-S	2000	1.5	2:5	I _v	11.48.48?		11.49.27	11.49.39	11.50.15	11.51.48	1.68	1	6,72	351	
"	"	"	17000	E-W	2000	"	2:6	"	11.48.46		11.49.26	11.49.37	11.50.08	11.51.38	2	1	3,5	329	
272	9	"	17000	N-S	2000	1.5	2:5	I _v	8.53.23		8.53.57	8.54.04	8.54.54	8.55.48	5.28	1	21,	285	
"	"	"	17000	E-W	2000	"	2:6	"	8.53.21		8.53.55	8.54.08	8.54.35	8.56.36	4.20	1	19.60	285	
273	10	"	17000	N-S	2000	1.5	2:5	I _v	6.35.13		6.35.46	6.35.58	6.36.19	6.37.15	0,56	1	2,6	272	
"	"	"	17000	E-W	2000	"	2:6	"	6.35.12		6.35.46	6.35.56	6.36.21	6.37.25	1,35	1	5,40	265	
274	11	"	17000	N-S	2000	1.5	2:5	III _v	22.23.14		22.23.41	22.23.58	22.25.00	22.27.50	7,39	1	23,58	234	
"	"	"	17000	E-W	2000	"	2:6	II _v	22.23.14		22.23.317	22.23.54	22.24.52	22.26.06	8,7	0,5	139	162	
275	13	"	17000	N-S	2000	1.5	2:5	II _v	3.59.37		4.00.21	4.00.32	4.01.04	4.04.14	2.97	1	11,9	356	M ₀ 4.00.50 T=1 A=9,3 u=31 Δg= 12,4
"	"	"	17000	E-W	2000	"	2:6	"	3.59.39		4.00.20	4.00.29	4.01.09	4.02.10	4.56	1	12,24	343	
276	16	"	17000	N-S	2000	1.5	2:5	I _v	0.32.11		0.32.52	0.32.57	0.33.18	0.36.00	1,34	1	5,36	336	
"	"	"	17000	E-W	2000	"	2:6	"	0.32.10		0.32.53	0.32.58	0.33.28	0.35.02	2,55	1	10,2	350	
277	21	"	17000	N-S	2000	1.5	2:5	III _v	15.54.33		15.55.09	15.55.38	15.57.45	16.03.45	12,10	1	46,40	307	M ₀ 15.55.48 T=1 A=26 u= 8,40 Δg=33,60
"	"	"	17000	E-W	2000	"	2:6	"	15.54.33		15.55.07	15.55.25	15.58.04	16.04.08	7,60	1	30,40	285	M ₀ 15.55.44 T=1 A=23 u=3,46 Δg=37,84--
"	"	"	1200	N-S	250	6	2:6	I _v	15.54.33		15.55.09	15.55.33	15.56.33	16.02.40	07,12	6	1,7	3007	M ₀ 15.55.52 T=1 A=27 u=2,13 Δg=36,52
"	"	"	1200	E-W	250	"	"	"	15.54.39		15.55.12	15.55.39	15.56.39	16.02.59	9,27	1	1,00	2807	
278	23	"	17000	N-S	2000	1.5	2:5	III _v	7.41.18									365	Las otras fases no se pueden separar - del temblor número 280 Fases interferidas.
"	"	"	17000	E-W	2000	"	2:6	"	7.41.19		7.42.04							365	
"	"	"	1200	N-S	250	6	2:6	"	7.41.19		7.42.047	7.42.46	7.43.22	7.47.43	61	5	9,8	365	
"	"	"	1200	E-W	250	"	"	"	7.41.19		7.42.04	7.42.47	7.43.50	7.48.54	?			365	
"	"	"	1300	Z	160	4	3:5	II _v	7.41.19		7.42.04	7.42.43	7.43.13	7.46.29	12	4	5	365	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Aut. or	Masa	Comp.	V.	T ₁	c.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
279	23	Wicoh.	17000	N-S	2000	1.5	2:5	III _v	7.56.44		7.57.31?	7.57.41	7.59.26	?		1		360	M ₂ 7.57.31 T=1 A=57
"	"	"	17000	E-W	2000	"	2:6	"	7.56.46		7.57.32	7.57.38	7.59.08	8.07.08				372	
"	"	"	1200	N-S	250	6	2:8	"	7.56.46		7.57.29	7.58.13	7.59.05	8.06.08	26	1	15.6	351	
"	"	"	1200	E-W	250	"	"	"	7.56.46		7.57.28	7.58.13	8.01.40	8.08.40		?		343	M ₂ 7.59.13 T=?
"	"	"	1300	Z	160	4	3:5	"	7.56.46		7.57.31	7.58.22	7.59.04	8.03.13	61	5	12	365	
280	23	"	17000	N-S	2000	1.5	2:5	III _v	10.17.27										Ondas sobrepuestas a las del temblor No. 278. El estilote quedó desnivelado. Las demás fases interferidas.
"	"	"	17000	E-W	2000	"	2:6	"	10.17.29		10.18.14	10.18.22				?		355	
"	"	"	1200	N-S	250	6	2:8	"	10.16.31		10.16.11?	10.16.59	10.17.29	10.21.44	26.6	5	46	329	
"	"	"	1200	E-W	250	"	"	I _v	10.16.30		10.16.11		10.18.12	10.20.23				343	
"	"	"	1300	Z	160	4	3:5	"	10.16.31		10.16.13	?	10.17.03	10.18.12				343	
281	23	"	17000	N-S	2000	1.5	2:5	II _v	22.19.52		22.19.55	22.20.13	22.21.08	22.24.08		1		496	
"	"	"	17000	E-W	2000	"	2:6	I _v	22.19.51		22.19.56	22.20.20	22.21.45	22.24.36	8.22	1	25.16	511	
282	23	"	17000	N-S	2000	1.5	2:5	III _v	23.37.59		23.38.20?	23.38.48	23.40.53	?		?		190	Estilote hacia el sur.
"	"	"	17000	E-W	2000	"	2:6	"	23.37.59		23.38.20	23.38.36	23.39.36	23.43.02		?		190	" " " N.
"	"	"	1200	N-S	250	6	2:8	"	23.37.00		23.37.20?	23.38.00	23.39.15	23.42.15		?		183	
"	"	"	1200	E-W	250	"	"	II _v	23.37.00		23.37.1*	23.37.46	23.38.05	23.42.20		?		169	
"	"	"	1300	Z	160	4	3:5	"	23.36.59		23.37.17	23.37.29	23.38.38	23.41.23	15	3	6.8	169	
283	26	"	17000	N-S	2000	1.5	2:5	I _d	2.19.44?		2.19.49.5	2.19.52	2.19.58	2.20.28	1.8	0.5	28	41	
"	"	"	17000	E-W	2000	"	2:6	"	2.19.43		2.19.49	2.19.51	2.19.57	2.20.18	2.58	0.5	46	45	
284	26	"	17000	N-S	2000	1.5	2:5	I _v	12.05.36		12.06.10	12.06.17	12.06.37	12.07.37	0.66	1	2.5	255	
"	"	"	17000	E-W	2000	"	2:6	"	12.05.35		12.06.10		12.06.36	12.07.30				292	M. Incierta.
285	26	"	17000	N-S	2000	1.5	2:5	I _d	16.05.25		16.05.28	16.05.29	16.05.35	16.05.48	2.7	0.5	43	22	
"	"	"	17000	E-W	2000	"	2:6	"	16.05.25		16.05.27.5	16.05.29	16.05.33	16.05.52	3.48	0.5	55.2	19	
286	27	"	17000	N-S	2000	1.5	2:5	I _d	11.35.06	11.42.18?								5540?	No se registraron las otras fases.
"	"	"	17000	E-W	2000	"	2:6	"	11.35.06	11.42.18?								5510?	" " " " " "
287	28	"	17000	N-S	2000	1.5	2:5	I _d	23.07.27	23.19.17								11460	Japón. Las otras fases muy débiles.
"	"	"	17000	E-W	2000	"	2:6	"	23.07.22?	23.19.26								11570	" " " " " "

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	a.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
288	30	Wiech.	17000	N-S	2000	1.5	2:5	I _v	1.37.26		1.37.597	1.38.21	?	1.42.05	0.8	1	3.2	280	M ₂ 1.39.29T=1 A=3.7 u=1.25 Ag=5.00
"	"	"	17000	E-W	2000	"	2:6	"	1.38.28		1.39.01	1.39.19	1.40.03	1.42.02	1.35	1	5.40	280	
289	30	"	17000	N-S	2000	1.5	2:5	I _v	3.12.52	3.14.22	3.14.26	3.15.00	3.16.09	3.26.00	1.7	1.5	3	970	
"	"	"	17000	E-W	2000	"	2:6	"	3.12.33	3.14.19	3.14.24	3.15.09	3.15.49	3.26.50	2.80	1.5	3	960	
290	30	"	17000	N-S	2000	1.5	2:5	I _v	12.51.07	?	12.53.02	12.53.32	12.55.32	13.06.00	1.26	1.5	2.2	970?	
"	"	"	17000	E-W	2000	"	2:6	"	12.51.07	12.52.48	12.52.55		12.54.54	13.08.54				930	
291	31	"	17000	N-S	2000	1.5	2:5	II _v	5.47.35		5.48.16	5.48.17	5.48.52	5.49.52	1.6	1	6.6	336	
"	"	"	17000	E-W	2000	"	2:6	I _v	5.47.35		5.48.16	5.48.24	5.48.45	5.50.10	1.49	1	8.76	336	
292	31	"	17000	N-S	2000	1.5	2:5	I _d	7.20.47		7.20.48	7.20.50	7.20.55	7.21.16	2	0.5	32	7	
"	"	"	17000	E-W	2000	"	2:6	II _d	7.20.47		7.20.48	7.20.49	7.20.54	7.21.10	2.30	0.5	35.00	7	

JAM.

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
		Autó	Masa	Comp.	V.	T ₁	a.		P.	S.	L.	M.	C.		p.	T.	Ag.		
1	10	Wiech.	1200	E-W	135	5	5	I _V	1.18.19		1.19.36	1.19.51	1.21.51	?	33	2	33	598	
2	4	"	1200	E-S	135	5	5	I _V	21.50.09		21.51.28	?	21.51.58	22.00.00				612	
"	"	"	1200	E-W	135	"	"	"	21.50.09		21.51.27	21.52.42?	21.52.57	22.00.58		?		505	
3	6	"	1200	N-S	135	5	5	II _V	17.55.06	17.55.34	17.56.46?	17.57.55	17.59.46	?	31	5	13	610	
"	"	"	1200	E-W	135	"	"	"	17.55.06	17.56.42?	17.56.48	17.57.37	17.59.19	?	33	5	41	880	
"	"	"	1300	Z	40	1.5	3.5	I _V	17.55.06	17.56.37	17.56.43?	17.58.01	17.56.31	?	40	2	40	840	
4	11	"	1200	N-S	135	5	5	I _V	?		19.23.36	19.23.52	19.24.13	19.27.13?	6	3	2	?	
"	"	"	1200	E-W	135	"	"	"	19.23.03		19.23.36	19.23.46	19.24.24	19.27.04	249	3	110	276	
5	30	"	1200	N-S	135	5	5	I _T	21.00.29	21.02.20	?	21.03.36	21.05.27	21.13.51	?			1030	
6	14	"	1200	N-S	135	5	5	II _V	8.56.06		8.56.54	8.57.15	8.58.33	9.01.42	420	3	187	387	
"	"	"	1200	E-W	135	"	"	"	8.56.06		8.56.51	8.57.05	8.59.14	9.03.44	429	3	110	365	
7	4	"	1200	N-S	135	5	5	III _d	16.11.24		16.12.45	16.14.00	16.16.00	16.30.00?	61	3	27	62	Chiapas?
"	"	"	1200	E-W	135	"	"	"	?		16.12.42	16.13.27	16.16.54	16.30.00?	56	3	24	?	
8	24	"	1200	N-S	135	5	5	II _T	12.55.02	12.56.59	12.57.11	12.58.03	12.59.27	13.06.06	48	4	12	1090	Tembor de Nicaragua.
"	"	"	1200	E-W	135	"	"	"	12.55.02?	?	12.57.17?	12.57.41	12.00.21	?	561	3	249	1175	M ₂ 12.58.57 T=3 A=15.5.
9	26	"	1200	N-S	135	5	5	II _U	1.59.00	2.08.56	2.34.24	2.43.48	3.03.00	?	54	16	39	8720	S.R. 2.15.52
"	"	"	1200	E-W	135	"	"	"	1.59.00	2.08.56	2.34.36?	2.36.45	3.08.54	4.04.00?	46	16	0.4	8720	S.R. 2.15.48 M ₂ 2.46.42 T=18 A=0.5
10	2	"	1200	N-S	135	5	5	II _V	18.08.18		18.09.55	18.10.31	18.15.28	18.25.58	31	3	10	743	Tapaohula, Chiapas.
"	"	"	1200	E-W	135	"	"	"			18.09.59?	18.11.29	18.16.33	18.25.57	49	3	21	?	
11	5	"	1200	N-S	135	5	5	IX _T	14.21.48	14.25.15	14.25.56	14.28.36	14.33.16	?	71	16	1	2650	
"	"	"	1200	E-W	135	"	"	"	14.21.48	14.25.15	14.26.07?	14.28.31	14.33.51	?	71	16	1	2640	
12	11	"	1200	N-S	135	5	5	I _U			20.52.51?	21.15.06	21.26.54	?	57	20	0.2	?	
"	"	"	1200	E-W	135	"	"	"	?	?	20.54.06?	21.12.35	21.29.03	?	83	24	3	?	
13	22	"	1200	N-S	135	5	5	I _T	4.12.48	4.16.51	4.17.59							2470	No se distinguen más fases. Guayaquil Ecuador.
"	"	"	1200	E-W	135	"	"	"	4.12.45	4.16.42	4.17.48							2470	No hay más fases.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	a.		P.	S.	L.	K.	C.		p.	T.	Ag.		
14	24	Wiesch.	1200	N-S	135	5	5	I	17.21.48?		17.22.46	17.23.55	17.24.52	?	6	3	2	460	
"	"	"	1200	E-W	135	"	"	"	17.21.54		17.22.54	17.23.51	17.24.18	?	13	3	5	474	
									A G O S T O .										
15	14	"	1200	N-S	135	5	5	I	0.29.27?		0.30.47	0.31.51	0.32.37	0.36.21	13	3	5	619	Centro America.
"	"	"	1200	E-W	135	"	"	II	0.29.29?		0.30.45	0.31.34	0.32.38	0.36.38	62	3	27	590	
16	14	"	1200	N-S	135	5	5	I			?	19.09.21	19.24.54	?					Tembler en el N. de Italia.
"	"	"	1200	E-W	135	"	"	"				19.08.13	?						
17	24	"	1200	N-S	135	5	5	I	13.34.51?		13.35.38	13.35.50	13.36.05	13.36.54	13	3	5	390	
"	"	"	1200	E-W	135	"	"	"	13.34.51?		13.36.36	13.36.23	13.36.35	13.37.20	13	3	5	365	
"	"	"	1300	Z	40	1.5	3.5	I	?		13.36.39	13.35.50	13.36.06	13.36.38	12	3	5	?	
									S E P T I E M B R E										
18	22	"	1200	N-S	135	5	5	I	20.39.34		20.40.20	20.40.29	20.41.48	20.46.57	12	3	5	372	
"	"	"	1200	E-W	135	"	"	II	20.39.34		20.40.16	20.40.28	20.42.04	20.47.10	87	3	38	358	
19	23	"	1200	N-S	135	5	5	I	17.52.39?		17.53.25	17.54.03	17.55.33	17.58.57	12	3	5	372	
"	"	"	1200	E-W	135	"	"	II	17.53.39		17.54.26	17.54.46	17.56.23	17.59.29	43	3	18	375	
									O C T U B R E .										
20	10	"	1200	N-S	135	5	5	I	21.40.00		21.40.40		21.42.36	21.46.56				329	N. Mal definida-- Guatemala.
"	"	"	1200	E-W	135	"	"	II	21.40.00		21.40.40	21.40.49	21.43.03	21.47.03	43	3	18	329	N. 21.41.55 T=3 Am10.5
21	23	"	1200	N-S	135	5	5	I	20.07.22?		20.08.19	?	20.08.55	20.10.15				380	
"	"	"	1200	E-W	135	"	"	"	20.07.32		20.08.20	20.08.28	20.09.08	20.10.48	18	4	4	387	
22	29	"	1200	N-S	135	5	5	I	21.31.55?		21.32.34	?	21.32.54	21.34.54				467?	
"	"	"	1200	E-W	135	"	"	"	21.31.36		21.32.36	21.32.42	21.33.02	21.34.50	16	3	8	474	
									N O V I E M B R E .										
23	1°	"	1200	E-W	135	5	5	I	5.02.38	5.05.02	5.02.20	5.06.14	5.08.30	5.14.30	66	4	15	1360	Costa Rica?
									D I C I E M B R E .										
24	16	"	1200	N-S	135	5	5	II	21.02.24		21.03.24	21.03.49	21.06.49	21.12.49	37	3	16	474	
"	"	"	1200	E-W	135	"	"	I	21.02.24		21.03.25	21.03.46	21.07.56	21.11.54	37	3	16	481	
25	30	"	1200	N-S	135	5	5	I	3.15.26.?		3.16.30.	?	3.18.54.	?	-	-	-	517	
"	"	"	1200	E-W	135	"	"	"	3.15.24		3.16.30.	3.17.18	3.18.46	3.22.26.	28	8	12	517	
		JAM																	

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			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		p.	T.	Ag.		
1	1°	Wisch.	200	N-S	81	5	4.5	I _v	1.24.457		1.25.18	1.25.35	1.26.11	?	22	2	22	280	
"	"	"	200	E-W	81	"	"	"	1.24.467		1.25.16	?	1.26.01	?				2867	
"	"	"	80	Z	80	5	4.3	"	1.24.417		1.25.14	?	1.26.22	?				280	
J U N I O .																			
2	1°	"	200	N-S	81	5	4.5	I _v	4.16.20		4.16.52	4.16.52	4.17.16	4.18.56	22		22	125	Huajuapán de León (Oaxaca).
"	"	"	200	E-W	81	"	"	"	4.16.39		4.16.51	4.16.51	4.17.09	?	22		22	126	
"	"	"	80	Z	80	5	4.3	"	4.16.40		4.16.51		4.17.11	?				118	
3	4	"	200	N-S	81	5	4.5	II _v	16.12.41		16.13.17	16.13.42	16.16.18	16.30.42	30	3	13	300	Chiapas, cerca de Tonala.
"	"	"	200	E-W	81	"	"	"	16.12.42		16.13.15	16.13.40	16.16.10	16.24.46	44	3	18	285	
"	"	"	80	Z	80	5	4.3	I _v	16.12.41		16.13.21		16.16.12	16.28.45				329	
4	10	"	200	N-S	81	5	4.5	II _v	19.34.32		19.34.53	19.34.56	19.35.20	19.38.15	33	1.5	33	190	
"	"	"	200	E-W	81	"	"	"	19.34.33		19.34.53	19.34.59	19.35.36	19.37.48	33	1	33	163	
"	"	"	80	Z	80	5	4.3	"	19.35.34		19.35.52	19.36.01	19.36.31	19.38.16	24	1	36	169	
5	11	"	200	N-S	81	5	4.5	III _v	5.56.02		5.56.22	5.56.28	5.57.01	5.01.00	55	1	55	183	Tembor al S-W de Oaxaca entre Jamiltepec y Pinotepa.
"	"	"	200	E-W	81	"	"	"	5.56.03		5.56.21	5.56.27	5.56.51	?	44	1	44	169	
"	"	"	80	Z	80	5	4.3	"	5.56.02		5.56.21	5.56.29	5.57.07	5.59.16	?			176	
6	26	"	200	N-S	81	5	4.5	II _u	1.54.157	2.03.51	2.26.43	2.30.17	2.50.15	3.13.16	26	18	0.3	2330	S.R. 2.10.03
"	"	"	200	E-W	81	"	"	I _u		2.03.48	2.26.43	?	2.39.18	?				?	S.R. 2.10.06
J U L I O .																			
7	2	"	200	N-S	81	5	4.5	I _v	18.06.27		18.06.39	?	18.12.15	18.22.15				561	Rep. de Guatemala, cerca de Tapachula.
"	"	"	200	E-W	81	"	"	"	18.06.28		18.06.43	?	18.11.19	?				583	Chiapas.
8	3	"	200	N-S	81	5	4.5	I _v	6.33.33		6.33.42	6.33.42	6.34.00	6.35.30	22		22	105	Tlaxiaco, Oaxaca.
"	"	"	200	E-W	81	"	"	"	6.33.30		6.33.40	6.33.44	6.34.08	6.35.00	22		22	110	
"	"	"	80	Z	80	5	3.5	"			6.33.43	6.33.43	6.34.04	6.35.28				?	
9	6	"	200	N-S	81	5	4.5	II _v	18.13.00		18.13.46	18.13.54	18.14.39	18.17.39	30	3	13	372	Acapulco, Guerrero.
"	"	"	200	E-W	81	"	"	"	18.13.03		18.13.48	18.13.54	18.14.36	18.16.33	22	2	22	365	
"	"	"	80	Z	80	5	4.3	"	18.13.02		18.13.50	18.13.56	18.14.32	?	11	2	11	387	
10	16	"	200	N-S	81	5	4.5	III _v	15.36.41		15.37.00	15.37.04	15.38.01	15.41.47	88	1.5	50	176	Pinotepa Nacional, Oaxaca.
"	"	"	200	E-W	81	"	"	"	15.36.39		15.36.59	15.37.09	15.38.18	15.41.45	66	1.5	42	183	
"	"	"	80	Z	80	5	4.3	"	15.36.40		15.37.01	15.37.07	15.37.58	15.39.49	44	2	44	191	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Antor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		#	T	Ag.		
11	16	Wiech.	200	N-S	81	5	4.5	III _v	20.28.48		20.29.09	20.29.14	20.29.47	20.32.48	44	1.5	44	191	Ometepes, Guerrero.
"	"	"	200	E-W	81	"	"	"	20.28.48		20.29.10	20.29.16	20.29.46	20.31.49	55	1	55	198	
"	"	"	80	Z	80	5	4.3	II _v	20.28.48		20.29.09	20.29.11	20.29.41	20.31.12	22	1	22	191	
12	16	"	200	N-S	81	5	4.5	I _v	?		14.18.03?	14.18.13	14.18.22	14.19.52	11	1.5	11	?	
"	"	"	200	E-W	81	"	"	"	?		14.18.09?	14.18.16	14.18.28	14.19.43	11	1.5	11	?	
"	"	"	80	Z	80	5	4.3	"	14.17.35		14.18.10	14.18.15	14.18.30	?	5	1.5	2	292	
13	20	"	200	N-S	81	5	4.5	II _v	23.17.00		23.17.24	23.17.24	23.17.39	23.19.39	11	2	11	212	
"	"	"	200	E-W	81	"	"	"	23.17.00		23.17.24	23.17.24	23.17.45	23.18.30	11	1.5	11	212	
"	"	"	80	Z	80	5	4.3	I _v	23.17.00		23.17.25	?	23.17.46	?				220	
14	24	"	200	N-S	81	5	4.5	II _v	8.36.41		8.37.14	8.37.20	8.37.56	8.40.46	33	2	33	280	
"	"	"	200	E-W	81	"	"	"	8.36.39		8.37.12	8.37.23	8.38.05	8.41.05	33	1.5	33	280	
"	"	"	80	Z	80	5	4.3	"	8.36.40		8.37.16	8.37.21	8.37.45	8.39.18	22	2	22	300	
15	28	"	200	N-S	81	5	4.5	I _v	17.46.30		17.46.41	17.46.41	17.46.56	17.47.32	22	1.5	22	117	
"	"	"	200	E-W	81	"	"	"	17.46.30		17.46.40	17.46.40	17.46.55	17.47.36	22	2	22	110	
O U T B R E .																			
16	10	"	200	N-S	81	5	4.5	I	?		21.49.28	21.49.40	21.50.07	21.51.22?	10	3	1	?	
"	"	"	200	E-W	81	"	"	"	?		21.49.30	21.49.49	21.50.16	21.51.31?	10		1	?	
17	18	"	200	N-S	81	5	4.5	I _d	17.18.20		17.18.32	17.18.36	17.19.03	17.20.18	33		33	90	
"	"	"	200	E-W	81	"	"	"	17.18.19		17.18.32	17.18.34	17.19.01	17.20.01	33		33	97	
D I C I E M B R E .																			
18	16	"	200	N-S	81	5	4.5	I _d	?		16.37.31	16.37.31	16.37.38	16.38.14		?		?	
"	"	"	200	E-W	81	"	"	"	16.37.21		16.37.31	16.37.31	16.37.39	16.38.11		?		75	
19	23	"	200	N-S	81	5	4.5	I _v	8.06.27?		?	8.07.04	8.07.58	8.11.68	11	2	11	?	
"	"	"	200	E-W	81	"	"	"	8.06.27?		?	8.07.16	8.07.49	8.11.49	11	2	11	?	
20	23	"	200	N-S	81	5	4.5	II _v	8.21.48		8.22.21?	8.22.32	8.23.29	8.27.49	22	1.5	22	276	
"	"	"	200	E-W	81	"	"	"	8.21.49		8.22.22?	8.22.44	8.23.18	8.26.34	22	2	22	276	
"	"	"	80	Z	80	5	4.3	I _v	8.21.50		8.22.32	8.22.36	8.22.54	8.24.24	22	?	22	343	
21	23	"	200	N-S	81	5	4.5	I _v	?		10.43.18	?	10.44.03	10.46.03				?	
"	"	"	200	E-W	81	"	"	"	10.42.39		?	?	10.43.41	10.45.41				?	

Número	Fecha	INSTRUMENTO			CONSTANTES			Factor	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
21	23	Wiech.	200	N-S	81	5	4.5	L	22.43.43		22.44.22	22.44.25	22.44.55	22.46.40	24	2	34	285	
"	"	"	200	E-W	81	"	"	"	22.43.47		22.44.23	22.44.25	22.44.40	22.46.16	22	2	22	300	
"	"	"	60	Z	80	5	4.3	"	22.43.48		22.44.23	?	22.44.39	?				292	

Estación Sismológica de Manzanillo, Col.

Cerro de "El Vigía"

ϕ 19°03'15". λ 104°19'50". W. de Greenwich. α = 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			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
1	25	Wiech.	125	E-W	80	3.5	3	I _r			6.08.31	6.09.22	6.12.18	6.31.22	14	6	5		La componente N-S no dió registro. - Temblor de Colombia?
2	30	"	125	N-S	80	3	3.5	I _d	0.29.57		0.30.01	0.30.02	0.30.10	0.30.33	27	2	27	30	
"	"	"	125	E-W	80	3.5	3	"	0.29.56		0.30.00	0.30.00	0.30.08	0.31.12	28	2	28	30	
3	31	"	125	N-S	80	3	3.5	I _d	0.29.57		0.30.01	0.30.02	0.30.10	0.30.37?	?			29	
"	"	"	125	E-W	80	3.5	3	"	0.29.56		0.30.00	0.30.00	0.30.08	0.31.12	?			29	
F E B R E R O.																			
4	7	"	125	E-W	80	3.5	3	I _d	10.18.04		10.18.06	10.18.08	10.18.12	10.18.20	?			15	
A B R I L.																			
5	21	"	125	N-S	80	3	3.5	III _r	19.59.58		20.00.42	20.00.53	20.03.01	20.11.02	157	2	157	358	
"	"	"	125	E-W	80	3.5	3	"	19.59.58		20.00.40	20.00.42	20.03.30	20.11.26	154	2	154	343	
M A Y O.																			
6	15	"	125	N-S	80	3	3.5	I _r	13.00.15	13.04.06?	13.05.06	13.16.09	13.22.36	?	25	12	2.8	2260	
"	"	"	125	E-W	80	3.5	3	"	13.00.12	13.04.18?	13.05.15	13.16.51	13.23.06	?	26	12	?	2510	
A G O S T O.																			
7	14	"	125	N-S	80	3	3.5	I _d	0.03.57		0.04.04	0.04.05	0.04.10	0.04.30	?			52	
"	"	"	125	E-W	80	3.5	3	"	0.03.57		0.04.04	0.04.04	0.04.12	0.04.38	?			52	
8	25	"	125	N-S	80	3	3.5	I _r			23.28.55	23.29.53	23.31.13	?	27	5	1.		
"	"	"	125	E-W	80	3.5	3	"			23.28.55	23.29.44	?	?	28	5	1.	M ₂ 23.30.38 T=4 A=1	
S E P T I E M B R E.																			
9	25	"	125	N-S	80	3	3.5	I _d	9.19.58		9.20.02	9.20.02	9.20.10	?	22	2	22	30	
"	"	"	125	E-W	80	3.5	3	"	9.19.59		9.20.03	9.20.03	9.20.15	?	33	2	33	30	
O C T U B R E.																			
10	27	"	125	N-S	80	3	3.5	II _d	11.52.02		11.52.05	11.52.08	11.52.32	11.53.12	44	2	44	22	
"	"	"	125	E-W	80	3.5	3	"	11.52.03		11.52.05	11.52.09	11.52.29	11.53.09	46	2	46	15	
"	"	"	80	Z	80	4	4	"	11.52.03		11.52.06	11.52.12	11.52.27	11.53.12	56	1.5	56	60?	
N O V I E M B R E.																			
11	3	"	125	N-S	80	3	3.5	I _d	6.01.16		6.01.16	6.01.22	6.01.42	6.02.14	?			45	
"	"	"	125	E-W	80	3.5	3	"	6.01.16		6.01.22	6.01.32	6.01.39	6.02.02	?			45	
"	"	"	80	Z	80	4	4	"	6.01.15		6.01.21	6.01.21	6.01.36	6.02.12	?			45	
12	4	"	125	N-S	80	3	3.5	I _d	9.53.40?		9.53.42	9.53.42	9.53.54	?	?			15?	
"	"	"	125	E-W	80	3.5	3	"	9.53.40		9.53.41	9.53.42	9.53.51	9.54.19	?			?	
"	"	"	80	Z	80	4	4	"	9.53.40		?	9.53.42	9.53.52	?	?			?	

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
		Autor	Masa	Comp.	V.	T.	e.		P.	S.	L.	M.	C.		μ .	T.	Ag.		
1	25	Wiech.	200	N-S	81	5	4.5	I	?		6.09.42?	6.13.27	?	6.28.24				?	Tembler de Colombia?
"	"	"	200	E-W	81	"	"	"	?		6.09.30	6.12.00	6.16.30	6.34.00				47	
"	"	"	80	Z	80	5	4.3	"			6.10.30?	6.12.15	?	6.30.00				?	
2	29	"	200	E-W	81	5	4.5	I	2.05.29	2.14.03	2.25.07?							7090	No se registraron más fases. Temblor de Chile. No sé registro la Comp. N-S.
"	"	"	80	Z	80	5	4.3	"	2.05.27	?	2.25.11							?	No hubo más fases.
M A R Z O .																			
3	4	"	200	N-S	81	5	4.5	I	10.15.15	10.19.47	10.21.27?	?	10.35.15	11.04.15				2850	Tembler de Costa Rica.
"	"	"	200	E-W	81	"	"	"	10.15.13	10.19.43	?	10.26.11	10.37.43	11.04.11	190	20	2	2820	" " " "
"	"	"	80	Z	80	5	4.3	II	10.15.10	10.19.48?	?	10.23.25	10.36.10	11.00.10	525	18	0.5	2900	" " " "
4	4	"	200	N-S	81	5	4.5	I	11.51.19	11.56.07								3070	No hay más fases. Temblor de Costa Rica.
"	"	"	200	E-W	81	"	"	"	11.51.23	11.56.03?								2260	" " " " " " " "
"	"	"	80	Z	80	5	4.3	"	11.51.13	11.55.55?								2320	" " " " " " " "
A B R I L .																			
5	14	"	200	N-S	81	5	4.5	I	?	?	17.10.40	17.23.24						?	No hay más fases. Temblor en las Islas Filipinas.
"	"	"	200	E-W	81	"	"	"	?	16.51.08	17.10.40	17.19.24	17.43.24	18.23.24	138	24	0.9	?	M ₀ 17.54.22. T=20 A=0.5.
"	"	"	80	Z	80	5	4.3	"	?	?	17.16.40	17.24.52	17.41.24	18.24.00	96	21	0.9	?	
6	21	"	200	N-S	81	5	4.5	III	20.02.40		20.04.34	20.05.46	20.08.46	20.27.30	67	4	16	867	Epifoco en el E. de Iro. al SE de Goyu-
"	"	"	200	E-W	81	"	"	"	20.02.40		20.04.32	20.05.45	20.08.45	20.30.37	38	4	9	852	oa, sobre el río Balsas.
"	"	"	80	Z	80	5	4.3	"	20.02.44		20.04.35	20.05.43	20.09.23	20.21.35	20	5	3	845	
M A Y O .																			
7	10	"	200	N-S	81	5	4.5	IV	19.58.48	20.02.36?	20.03.36?	20.05.21	?	20.49.29	38	8	2	2290	Tembler de Nicaragua?
"	"	"	200	E-W	81	"	"	"	19.58.48	20.02.36	20.03.42	20.05.28	20.23.36	20.51.36	32	8	1.9	2290	
"	"	"	80	Z	80	5	4.3	"	19.58.48	20.02.32	20.03.38	?	20.27.06	20.46.06				2250	
J U N I O .																			
8	26	"	200	E-W	81	5	4.5	II	1.52.25?	2.01.49	2.23.15	2.28.15	2.48.55	3.51.55?	95	20	0.9	2060	Isla Aguará, S. de Australia. Regis-
"	"	"	80	Z	80	5	4.3	"	1.52.04	2.01.40	2.23.43	2.28.15	2.41.43	?				8320	tro muy débil en la Comp. N-S. SR. ---
J U L I O .																			
9	11	"	200	E-W	81	5	4.5	I			20.41.18	20.48.35	20.58.47	?				?	Registro imperceptible en la Comp. N-S.
A G O S T O .																			
10	14	"	200	E-W	81	5	4.5	I	18.15.28?	18.26.25?	18.45.07	?	19.02.40	19.38.03				10362	No hubo registro en la Comp. N-S.
"	"	"	80	Z	80	5	4.3	"		18.25.42?	18.45.02	?	19.01.02	?				10700?	
11	25	"	80	Z	80	5	4.3	I	23.32.35?		23.33.07	?	23.34.38	?				270?	
S E P T I E M B R E																			
12	2	Wiech.	200	E-W	81	5	4.5	I	23.54.16?		23.55.13	?	23.56.07	0.00.07				452	

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			Código	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Marca	Comp.	V	T	s.		P.	S.	L.	M.	C.		μ	T.	Ag.		
1	17	Wiech.	10	N-S	20	3.5	4.5	I _v	1.19.00?		1.20.14	1.20.32	1.21.18	1.24.47	33	2	33	575?	Fases muy débilmente registradas en la componente E - W.
2	12	"	10	N-S	20	3.5	4.5	I _v	7.19.27		7.20.04	7.20.18	7.20.50	7.23.19	33		33	307	Temblor de Oaxaca.- Registro muy débil la componente E-W
3	21	"	10	N-S	20	3.5	4.5	III _v	20.04.47		20.05.19							270	Se desmontó el estilete.
"	"	"	10	E-W	20	"	"	"	20.04.47		20.05.19	20.05.43	20.09.26	20.15.14	2672	2	2672	270	Temblor cuyo epicentro se localizó en la cuenca del Balsas al S.E. de Oaxaca Guerrero.
4	23	"	10	N-S	20	3.5	4.5	II _v	19.12.18?		19.12.50	19.12.54	19.13.14	19.14.28	33	2	33	270?	
"	"	"	10	E-W	20	"	"	"	19.12.18		19.12.45	19.12.50	19.13.22	19.14.36	33	2	33	234?	
5	24	"	10	N-S	20	3.5	4.5	II _v	14.53.12?		14.53.37	14.53.41	14.54.04	14.55.17	32	4	8	220	
"	"	"	10	E-W	20	"	"	"	14.53.12		14.53.37?	14.53.44	14.54.30	14.55.35	32	4	8	220?	
6	30	"	10	N-S	20	3.5	4.5	I _v	20.00.37?		20.00.55	20.00.57	20.01.24	20.03.31	66	2	66	169	
"	"	"	10	E-W	20	"	"	"	20.00.37		20.00.55	20.01.17	20.01.49	20.03.19	66	2	66	169?	
7	21	"	10	N-S	20	3.5	4.5	II _v	3.16.42		3.18.15	3.19.02	3.20.12	3.22.56	128	4	32	714	Chiapas.
"	"	"	10	E-W	20	"	"	"	3.16.42		3.18.15	3.18.43	3.19.47	3.22.54	128	3	32	714	M ₀ 3.19.06 T=4 A=1.5, Chiapas.
8	10	"	10	N-S	20	3.5	4.5	I _v	?		19.44.53	19.45.02	19.45.58	?			?		
"	"	"	10	E-W	20	"	"	II _v	19.44.11		19.44.53	19.45.02	19.45.39	19.47.08	66		66	343	Oaxaca.
9	11	"	10	N-S	20	3.5	4.5	III _v	6.04.50		6.05.26	6.05.40	6.06.08	6.08.18	162	3	16	300	Jamiltepec, Estado de Oaxaca.
"	"	"	10	E-W	20	"	"	II _v	6.04.54		6.05.26	6.05.40	6.06.08	6.08.18	162	3	16	271	" " " "
10	67	Omori	10	N-S	20	3.5	4.5	II _v	18.10.20		18.11.00		18.11.53	18.14.23	?			329	Acapulco?
"	"	"	10	E-W	20	"	4.5	"	18.10.20		18.11.00	18.11.17	18.11.47	18.13.58	240	2	240	329	"
11	14	"	10	N-S	20	3.5	4.5	II _v	20.38.48		20.39.13	20.39.18	20.40.06	20.42.21	66	2	66	220	
"	"	"	10	E-W	20	"	"	I _v	20.38.48		20.39.13		20.39.53					220	
12	8	Wiech.	10	N-S	20	3.5	4.5	II _v	9.02.54		9.03.29	9.03.43	9.04.15	9.06.23	65	3	28	292	Muy débilmente registrado.
"	"	"	10	E-W	20	"	"	I _v											
"	"	Omori	10	N-S	20	3.5	4.5	"	9.02.14		9.02.51		9.03.24	9.04.54				397	M. Mal definida. Acapulco Guerrero.
"	"	"	10	E-W	20	"	"	"	9.02.25?		9.03.04	9.03.19	9.03.39	9.05.22		1.5		321	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T _s	s.		P.	S.	L.	M.	C.		μ	T	ΔG		
13	23	Wiech.	10	N-S	20	3.5	4.5	I _v	7.39.48		7.40.25	7.40.34	7.40.52	7.41.35	?			307	
"	"	"	10	E-W	20	"	"	"	?		7.40.25?	?	7.40.53	7.42.27				?	
14	23	"	10	N-S	20	3.5	4.5	II _v	7.55.06		7.55.43	7.55.57	7.56.34	7.58.31	2			307	
"	"	"	10	E-W	20	"	"	"	7.55.06?		7.55.48	7.55.53	7.56.49	7.58.51	2			343?	
15	23	"	10	N-S	20	3.5	4.5	I _v	?		10.17.30	?	10.18.12	?				?	
"	"	"	10	E-W	20	"	"	"	?		10.17.30?	?	10.17.58	10.19.03				?	

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			Caudal	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Auter	Masa	Comp.	V.	T ₁	e.		P.	S.	L.	M.	C.		p	T	de		
1	14	Wiech.	200	E-W	81	5	4.5	I _V	16.38.42	16.52.00?	17.18.42	17.44.42	18.09.12	?	190	20	2	1710?	En la componente N-S no hubo registro.
2	21	"	200	N-S	81	5	4.5	III _V	20.02.00		20.02.59	?	20.11.23	20.38.23	580		580	467	Epifoco cerca de Coyuca, Guerrero.
"	"	"	200	E-W	81	"	"	"	20.02.00		20.02.59	20.03.54	20.12.42	20.36.54	583	2	583	467	
"	"	"	80	Z	80	5	4.3	"	20.02.00		20.02.58	20.03.38	20.08.18	?	440	2	440	460	
3	22	"	200	N-S	81	5	4.5	I _V	14.46.28?		14.47.08	14.47.23	14.48.19	14.49.47	22	2	22	329	
"	"	"	200	E-W	81	"	"	"	14.46.28?		14.47.06	14.47.18	14.48.16	14.51.16	20	3	9	314	
4	23	"	200	N-S	81	5	4.5	I _V	19.05.25		19.06.09	19.06.37	19.07.41	?	33	2	33	358	
"	"	"	200	E-W	81	"	"	"	19.05.25		19.06.18	19.06.43	19.07.19	19.11.19	33	2	33	387	
5	10	"	200	N-S	81	5	4.5	II _V	19.58.00	20.00.00	20.00.10	20.02.06?	20.09.48	?	201	?	32	1120	
"	"	"	200	E-W	81	"	"	"	19.58.00	19.59.52?	20.00.00?	20.03.12	20.16.53	?	213	5	34	1040	M ₀ 20.04.32 T=5 A=20
6	21	"	200	N-S	81	5	4.5	I _V	?		10.13.55	10.15.22	10.17.26	?	50	3	22	?	Chiapas.
"	"	"	200	E-W	81	"	"	"	10.12.40?		10.13.56	10.14.42	10.18.53	10.30.29	44	2	44	590	M ₀ 10.17.33 T=4 A=5
7	4	"	200	N-S	81	5	4.5	II _V	16.09.16		16.10.30?	16.11.35	16.15.25	16.22.25	134	4	33	576	Chiapas.
"	"	"	200	E-W	81	"	"	"	16.09.30		16.10.36	16.11.44	16.16.12	16.40.12	134	4	33	591	
"	"	"	80	Z	80	5	4.3	I _V	16.09.22?		16.10.46?	?	16.13.50	16.23.50				649?	
8	10	"	200	N-S	81	5	4.5	III _V	19.40.48		19.41.36	19.42.05	19.43.25	19.46.13	66	2	66	387	
"	"	"	200	E-W	81	"	"	"	19.40.44		19.41.32	19.41.54	19.42.42	19.48.00	50	3	22	372	
"	"	"	80	Z	80	5	4.3	I _V	19.40.44?		?	19.42.04	19.42.48	?	22	2	22	?	
9	11	"	200	N-S	81	5	4.5	III _V	6.02.08		6.02.52	6.03.32	6.05.12	?	88	2	88	358	
"	"	"	200	E-W	81	"	"	"	6.02.08		6.02.52	6.03.14	6.04.14	6.12.59	66	2	66	358	
"	"	"	80	Z	80	5	4.5	II _V	6.02.08		6.02.56	6.03.24	6.04.12	6.06.52	22		22	358	Tembler de Oaxaca.
10	26	"	200	E-W	81	5	4.5	II _V	1.56.28?	2.06.24	2.29.48	2.35.48	3.03.48	4.17.00	178	16	2.7	8710	Tembler al SE de Australia cerca de la Isla Maquaria-S.R. 2.12.56
"	"	"	80	Z	80	5	4.3	"	1.56.36?	2.06.28	2.29.28	2.40.59	3.02.49	?	121	16	1.5	8640	
11	2	"	200	E-W	81	5	4.5	II _V	18.05.22		18.06.40	18.11.16	18.17.12	18.31.44	200	8	12	605	Tembler en Chiapas. La componente N-S no dió registro.
12	3	"	200	E-W	81	5	4.5	I _V	6.33.42		6.33.50	6.34.04	6.34.06	6.34.45				140	Tembler cerca de San Jeronimo, Oax.

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES	
		Auter	Masa	Comp.	V.	T.	e.		P.	S.	L.	M	C		u.	T.	Ag.			
13	6	Wiech.	200	E-W	81	5	4.5	II	14.22.22	14.26.22	14.27.38	14.30.54	14.37.14	15.00.00	105	18	1.3	2440	La componente N-S no dió registro.	
"	"	"	80	Z	80	5	4.3	"	14.22.08		14.27.14?	14.34.36	14.39.42	14.59.00?	64	12	1.8	2430		
14	6	"	200	N-S	81	5	4.5	III	18.11.28		18.12.24	18.12.46	18.14.26	18.18.11	80	3	35	445	Temblor cerca de Acapulco.	
"	"	"	200	E-W	81	"	"	"	18.11.28		18.12.26	18.12.47	18.14.25	18.25.05	167	4	41	460		
15	12	"	200	N-S	81	5	4.5	I	3.28.48		3.29.20	3.29.30	3.29.58	3.31.58	11	1.5	17	270		
"	"	"	200	E-W	81	"	"	"	3.28.48		3.29.18	3.29.36	3.30.08	3.31.28	11	2	11	256		
16	16	"	200	N-S	81	5	4.5	III	15.39.10		15.39.58	15.40.24	15.42.24	"	176	2	176	387	Temblor cerca de Pinotepa, Oax.	
"	"	"	200	E-W	81	"	"	"	15.39.12		15.39.56	15.40.19	15.42.23	15.48.43	187	2	187	352		
"	"	"	80	Z	80	5	4.3	"	15.39.10		15.39.58	15.40.22	15.41.52	15.48.44	60	3	28	387		
17	16	"	200	N-S	81	5	4.5	II	20.31.16		20.32.04	20.32.29	20.34.13	20.36.13	62	2	60	387		
"	"	"	200	E-W	81	"	"	"	20.31.17		20.32.03	20.32.23	20.33.27	20.38.07	50	3	22	372	Pinotepa, Oax.	
"	"	"	80	Z	80	5	4.3	I	20.31.16		20.32.00	20.32.16	20.32.56	20.36.16	30	3	9	358		
18	18	"	200	N-S	81	5	4.5	I	14.19.18?		14.20.04	14.20.24	14.21.20	14.22.45	22	2	22	372		
"	"	"	200	E-W	81	"	"	I	14.19.22?		14.20.02	14.20.06	14.20.58	14.25.36	33	2	33	329		
19	22	"	200	E-W	81	5	4.5	I	4.07.56	4.12.24?	4.13.48?	"	4.23.16	"				2800	La componente N-S no dió registro.	
"	"	"	80	Z	80	5	4.3	"	4.07.52	4.12.22	4.13.46							2830	No se distinguen más fases.	
20	24	"	200	E-W	81	5	4.5	I			5.51.28?	5.57.45	6.03.20	"					La componente N-S no dió registro.	
"	"	"	80	Z	80	5	4.3	"			5.47.44?	5.58.04	6.05.45	"	14					
21	24	"	200	N-S	81	5	4.5	II	8.36.52?		8.37.43	8.38.49	8.39.49	"	44	2	44	409	Ometepec, Guerrero?	
"	"	"	200	E-W	81	"	"	III	8.36.44		8.37.38	8.38.10	8.39.54	8.46.14	44	2	44	431		
"	"	"	80	Z	80	5	4.3	"	8.36.49		8.37.41	8.37.57	8.39.21	8.44.13	30	3	13	416		
A G O S T O																				
22	7	"	200	N-S	80	5	4.5	I			10.46.48	"	10.52.08	10.59.24					"	No. hubo registro en la componente NS

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Masa	Comp.	V.	T.	a.		P.	S.	L.	M.	C.		P.	T.	Ag.		
23	7	Wiech.	200	E-W	81	5	4.5	I _r			13.21.04	13.22.48	13.25.52	13.36.24	13	5	4	?	La componente N-S no dió registro.
24	14	"	200	E-W	81	5	4.5	I _u	13.06.16?	?	13.53.24	13.55.40	13.58.39	13.57.59	130	20	2	9410?	La componente N-S no dió registro.
25	25	"	200	E-W	81	5	4.5	II _v	23.35.07?		23.36.23	23.37.25	23.41.43	0.06.43	26	5	4	530	M ₂ 23.37.47 T=7 A=2.5 La componente N-S no dió registro.
"	"	"	80	Z	80	5	4.3	I _v	23.35.09?		23.36.29	23.37.39	23.40.27	23.59.77	11	5	1.2	620	
26	27	"	200	E-W	81	5	4.5	I _v	13.49.36		13.50.44	13.50.54	13.51.42	13.54.50	11	2	11	539	La componente N-S registro muy débil Guatemala, Mich.
27	2	"	200	N-S	81	5	4.5	I	?	23.59.16?	23.59.28	?	0.00.06	?					Jamiltepec?
"	"	"	200	E-W	81	"	"	"	?	23.59.18?	?	0.01.06	0.02.18	?					
28	14	"	200	N-S	81	5	4.5	I	3.56.32		3.57.22	3.57.46	3.58.38	4.06.46	33	2	33	402	Jamiltepec?
"	"	"	200	E-W	81	"	"	"	3.56.34		3.57.22?	3.57.46	3.58.15	4.03.44	30	2	30	409	
29	9	"	200	N-S	81	5	4.5	I _v	5.06.28		5.06.48	5.07.00	5.07.14	5.09.26	11	2	11	123	Guatemala?
"	"	"	200	E-W	81	"	"	"	?		5.06.48		5.07.24	5.09.00				?	
30	10	"	200	N-S	81	5	4.5	I _v	21.28.30?	?	21.30.14	21.30.54	21.32.74	21.38.46	30	3	13	880	Guatemala?
"	"	"	200	E-W	81	"	"	"	21.28.32?	21.30.08	21.30.20	21.30.57	21.33.17	21.37.53	28	4	11	880	
"	"	"	80	Z	80	5	4.5	"	?		21.30.24	21.31.08	21.31.32	21.34.08	20	3	9	?	Fases muy mal registradas en la componente E-W
31	10	"	200	N-S	81	5	4.5	I _r	?	4.01.23?	4.02.00	4.03.06	4.06.35	?					
32	8	"	200	N-S	81	5	4.5	I _v	8.56.56?		8.57.51	8.57.55	8.59.55	9.03.55	27	4	5	438?	Acapulco, Guerrero.
"	"	"	200	E-W	81	"	"	"	?		8.57.48	8.58.09	?	?	30	3	2	?	
"	"	"	80	Z	80	5	4.3	"	8.56.56?		8.57.56	8.58.12	?	?	15	4	3	474	M ₂ 8.44.08 T=3 A=1.5
33	23	"	200	N-S	81	5	4.5	I _v	8.42.04?		8.42.52	8.43.14	8.44.48	?	20	3	9	372	
"	"	"	200	E-W	81	"	"	"	8.42.04		8.42.52	8.43.14	8.44.38	8.48.58	18	3	8	387	M ₂ 8.59.41 T=3 A=4.5
34	23	"	200	N-S	81	5	4.5	II _v	8.57.23?		8.58.10	8.58.32	9.00.25	?	32	3	14	380	
"	"	"	200	E-W	81	"	"	"	8.57.24		8.58.12	8.58.43	9.00.23	9.07.23	40	3	18	387	?
"	"	"	80	Z	80	5	4.3	I _v	8.57.22		8.57.56	8.58.16	8.59.19	9.02.19	20	3	6	285	
35	23	"	200	N-S	81	5	4.5	I _v	?		10.19.06	?	10.20.26	?				?	?
"	"	"	200	E-W	81	"	"	"	?		10.19.05	10.19.25	?	10.23.25				?	

Número	Fecha	INSTRUMENTO			CONSTANTES			Carácter	PRINCIPIO DE LAS FASES					FIN	MAXIMA			Distancia	OBSERVACIONES
		Autor	Mass	Comp.	V.	T.	s.		P.	S.	L.	M.	C.		μ.	T.	Ag.		
36	23	Wiech.	200	N-S	81	5	4.5	I _u	22.18.37		22.19.05	22.19.09	22.22.40	22.27.48	22	2	22	307	Tehuantepec.
"	"	"	200	E-W	81	"	"	"	22.18.29		22.19.05	?	22.20.45	22.26.30				300	
37	23	"	200	N-S	81	5	4.5	I _u			23.40.08	?	23.41.44	?				?	P. Interferido.
"	"	"	200	E-W	81	"	"	"			23.41.09	23.40.27	23.41.31	?	10	3	4	?	" "
38	30	"	200	N-S	81	5	4.5	I _d	2.36.44		2.36.49							37	Se desniveló el aparato.
"	"	"	200	E-W	81	"	"	"	2.36.44		2.36.49							37	No hubo por registro.
"	"	"	80	Z	80	5	4.3	II _d	2.36.45		2.36.49	2.36.53	?	?				30	T. Muy rápido.