

LA PLATA

AUG. - DEC 1957



AÑO GEOFISICO INTERNACIONAL

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

LA PLATA - REPUBLICA ARGENTINA

Deleg. Interventor: Dr. Reynaldo P. Cesco

B O L E T I N S I S M O L O G I C O

Agosto 1957

ESTACION SISMOLOGICA: LA PLATA

$\phi = -34^{\circ} 54' 32''$ $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 kg

Constantes

E	$\sigma = 3.2:1$	T = 8 ^s 5	V = 192	r = 0,23 cm
N	$\sigma = 4.0:1$	T = 7 ^s 9	V = 162	r = 0,15 cm

Nº	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones	
				h m s	s		km		
69 ✓	15	E	P?	12 00 48	3 ^s				
			L	03 36	7	2			
			M	04 36	3	3			
			F	07					
	N	12		L	02 18	3			
				M	03 24	5	3		
F				04 00	3	4			
				09					
70 ✓	16	E	P	23 42 24	3	2	7.000	USCGS da Ep. 10°5N; 104°W. H: 23h 31m 55s.	
			S	50 48	12	3			
			L	57 06	20	5			
			LR	24 01 36	19	9			
			M	13 20	14	7			
			F	35					
	N	23		P	42 18	3	2		
				PP	45 06	5	1		
					48 00	6	1		
				S	50 48	15	6		
					54 18	22	13		
				L	58 54	25	11		
	24		LR	02 54	20	7			
			M	13 25	16	8			
			F	38					
71 X	18	E	L	08 12 48	3	1			
			M	13 41	3	2			
			F	17					
	N	08		L	12 00	3			
				M	12 30	4	1		
				F	13 40	3	2		
			F	17					

Agosto de 1957 Cont.

(2)

N°	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
				s		km		
72	26	E	P ₂ iS ₃ SSS ₆ LR ₉ M ₁₀	11 ^h 32 ^m 54 ^s 36 07 37 18 37 54 38 18 39 47	3y7 3 9 8 8 4	3y5 i=-2:19 17 39 65 207	1.900	USCGS: 19°S 63°W H: 11h 28m 50s. A 11 ^h 40 ^m 24 ^s se produjo el desenganche del mecanismo inscriptor
		N	iP ₁ S ₄ SSS ₅ LR ₈ M ₁₁ F	11 32 50 36 18 36 48 38 12 40 57 En el cambio de bandas.	4 4 11 8 5	i=-1:19 11 31 56 200		
73	26	E	PPP ₃ SSS ₆ L ₈ LR ₉ M ₁₁ F	14 06 18 07 48 12 12 13 18 13 36 15 06 16 12 20 54 25 55 15 29	5 22 15 8 10 13 11y23 8y22 15	4y16 4y64 70	3.500	USCGS 12°S 81°W H: 13h 58m 48s.
		N	PPP ₂ PcP ₄ PcS ₅ L ₇ LR ₁₀ M ₁₃ F	14 06 18 07 42 08 12 12 00 12 48 14 18 16 18 18 48 21 24 28 00 15 32	4 5 8 10 13 20 18 24 20 13	8 27 35y42 56		
74	26	E	L M F	18 31 30 31 48 33 22 41	10 10 3	2 5		USCGS: 19°S 63°W H= 18h 22m 18s.
		N	L M F	18 31 36 32 06 33 21 41	8 8 3	2 4		
75	29	E	iP S L M F	12 49 22 51 12 51 42 52 40 13 01	3 3 5 4	3 7	1.100	USCGS: San Juan (Argentina). H=12h 47m 06s h = 150 km compresión
		N	iP S L M F	12 49 22 51 06 51 36 52 41 13 02	3 3 3y5 3	5y4 16		

LA PLATA - REPUBLICA ARGENTINA



ACTIVIDAD MICROSISMICA

Agosto 1957

Componente E-W

Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	0..			0..			2	1.2	4.8	2	0.9	3.3
2	2	1.0	2.5	0..			0..			2	0.8	4.6
3	1	1.0	3.6	2	0.9	4.4	2	0.9	3.8	2	0.8	4.6
4	1	1.0	2.8	1	1.0	2.4	2	1.0	2.4	1	0.9	4.3
5	1	1.0	3.6	1	1.0	2.8	2	1.1	6.2	2	0.8	5.2
6	1	0.9	4.3	1	0.9	4.1	1	1.3	4.0	3	0.9	3.6
7	2	1.2	4.8	0..			2	0.7	6.0	2	0.7	6.6
8	2	1.4	3.0	0..			2	1.1	5.8	2	1.1	5.6
9	2	1.0	2.5	2	1.3	4.2	2	1.8	3.5	2	1.4	3.8
10	2	1.4	3.0	2	0.9	3.3	2	1.4	3.7	2	1.3	4.2
11	1	0.9	3.0	2	0.9	3.2	2	0.9	3.2	2	0.9	3.1
12	1	0.9	3.3	0..			1	0.9	3.8	1	1.2	5.1
13	2	0.9	4.1	0..			1	0.7	6.7	2	0.9	3.8
14	3	0.9	3.0	2	0.9	3.2	2	0.9	3.6	3	1.0	6.7
15	2	0.9	3.1	3	1.2	4.8	...			2	0.9	3.8
16	...			2	0.9	3.3	2	0.9	4.2	2	1.3	3.9
17	1	0.9	3.2	1	0.9	3.5	1	0.9	4.3	1	1.4	3.8
18	1	0.8	5.7	1	0.9	3.0	1	0.9	3.5	1	0.9	3.1
19	2	1.0	2.8	0..			...			1	0.9	3.0
20	2	0.9	3.7	2	0.9	2.8	2	1.9	3.2	1	2.3	3.5
21	0.0			2	0.9	4.1	2	1.9	3.2	2	0.9	3.6
22	1	1.4	2.8	2	0.9	3.8	2	0.9	3.1	2	0.9	3.4
23	3	1.0	2.5	3	1.4	3.2	2	1.4	3.5	2	1.3	4.5
24	2	1.3	4.3	1	1.4	3.3	2	1.8	3.5	2	1.3	4.1
25	0.0			2	1.2	5.2	3	0.8	4.6	0.0		
26	0.0			0.0			...			3	0.8	4.4
27	0.0			0.0			3	0.9	3.7	3	0.9	3.2
28	0.0			0.0			2	0.9	3.7	0.0		
29	0.0			0.0			2	1.4	2.8	3	1.0	2.3
30	0.0			0.0			3	0.9	3.0	3	0.9	3.8
31	0.0			0.0			2	0.9	3.8	2	0.9	3.2

LA PLATA - REPUBLICA ARGENTINA



ACTIVIDAD MICROSISMICA

Agosto 1957

Componente N-S

Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	0..			0..			0..			0..		
2	0..			0..			2	1.1	3.7	0..		
3	0..			0..			2	1.1	3.7	2	1.1	3.0
4	0..			0..			0..			1	1.1	3.1
5	0..			1	1.2	2.4	1	1.1	3.7	1	1.1	2.9
6	0..			3	1.1	3.1	1	1.0	4.5	1	1.2	2.4
7	2	1.2	0.4	0..			2	1.1	3.2	2	1.0	4.3
8	2	1.1	3.2	3	1.1	3.3	2	1.1	3.3	2	1.2	2.4
9	3	1.6	2.4	2	1.1	3.4	2	1.1	3.7	2	1.1	3.6
10	2	1.1	3.5	1	1.6	3.7	2	1.1	3.0	2	1.1	3.5
11	0..			2	1.1	3.2	2	1.1	2.9	1	1.1	2.6
12	0..			0.0			0..			1	1.1	3.6
13	1	1.1	3.2	0..			0..			0..		
14	0..			1	1.2	2.4	0..			0..		
15	3	1.2	2.4	1	1.0	4.2	...			0..		
16	...			3	1.2	2.4	0..			1	1.2	2.4
17	1	1.1	3.0	1	1.1	2.8	1	1.6	3.4	1	1.1	2.8
18	0..			1	1.1	3.1	0..			0..		
19	3	1.9	3.3	2	1.1	3.0	2	1.1	2.5		0.0	
20	3	1.0	4.2	2	1.1	3.0	3	1.1	3.6	2	1.1	3.3
21	0.0			0.0			3	1.1	4.0	3	1.1	3.9
22	1	1.1	3.0	0.0			0.0			0.0		
23	0.0			2	1.6	3.2	3	1.1	3.4	3	1.1	3.6
24	2	1.5	4.4	3	1.6	3.8	2	1.6	4.1	2	1.6	4.1
25	0.0			2	1.0	4.6	3	1.0	4.5	0.0		
26	0.0			0.0			...			3	1.1	4.4
27	0.0			0.0			...			0.0		
28	0.0			0.0			0.0			0.0		
29	0.0			0.0			0.0			0.0		
30	0.0			0.0			0.0			0.0		
31	0.0			0.0			0.0			0.0		

Prof. Ing. Simón Gershanik -- Jefe del Departamento de Geofísica

La Plata - REPUBLICA ARGENTINA

Deleg. Interventor: Dr. Reynaldo F. Cesco

BOLETIN SISMOLOGICO

Setiembre 1957

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$ $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 Kg

Constantes

E \dot{e} = 3.2:1 T = 8⁵/₆ V = 192 r = 0,23 cm
 N \dot{e} = 4.0:1 T = 7⁵/₉ V = 162 r = 0,15 cm

Día	Comp.	Fase	Hora	T	Δ	Δ	Observaciones
6	E	L M F	1. 00 21 30 ^s	8			C.G.S da: 20°S:68°W Fuertes h= 100 km H= 00h 17m 55s
			4. 00 21 00	8			
			7. 00 25 24	14	6		
	N	L M F	2. 00 22 06	6			
			3. 00 23 12	10	3		
			5. 00 24 06	8	3		
7	E	P' SS LR M F	08 41 00	4	2	16.800	C.G.S da: 5°5N; 127°5E H= 08h 21m 05s
			08 45 40	11	1		
			08 48 40	8	1		
			09 00 00	11	4		
			09 05 00	14	4		
	N	P' SKKS	08 41 00	4	3		
			08 45 40	9	2		
			08 48 40	9	3		
			09 00 00	8	3		
			09 05 00	4	3		

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Nº	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
77	24	N	SS?	09 ^h 04 ^m 30 ^s	23	15		
			SSS	09 48	28	28		
			L	33 48	40	30		
			L _R	40 24	26	19		
			M	10 11 44	29	81		
			M	21 56	22	63		
		F	11 02					
78	25	E	F	07 44 12	4			
			F	50				
		N	P?	07 44 06	4			
				44 36	5			
			S?	46 30	8			
			L	47 24	13	1		
M	48 10	8	2					
F	51							
79	28	L	P	14 32 36	8	1	11.600	C.G.S da: 20°58'; 178°W H= 14h 20m 00s h= 650 km
			iPP	37 08	8	i=+5;4		
			PPP	39 12	14	4		
			iSKS	42 31	9	i=+16;21		
				43 12	8y26	4y39		
				45 06	16	14y20		
			PS?	46 06	11	7		
			PKKP	48 36	11	4		
			SS	50 42	22	15		
				54 06	19	11		
				58 36	14	6		
			L	15 03 12	26	17		
		L _R	10 42	19	10			
		M	24 53	15	7			
		F	16 02					
		N	iPP	14 37 09	5	i=+3;3		
			PPP	39 12	8	1		
				39 48	11	3		
			iSKS	42 34	4y9	i=+2;36		
			S ₀ S	43 06	9	8		
				43 30	13	15		
				45 06	22	51		
			PS	46 30	8	8		
				50 12	14	8		
SS	50 36		17	23				
SSS	55 06		25	28				
	15 01 24		29	39				
L	04 18	22	13					
L _R	10 24	19	12					
M	23 52	14	7					
F	16 01							
80	29	L	iF	08 35 49	4	i=+0.4;2		
			F	43				
N	iF	F	08 35 49	4	i=+1;6			
			44					

Prof. Ing. S. Gershanik
Jefe del Departamento
de Geofísica

LA PLATA - REPUBLICA ARGENTINA



ACTIVIDAD MICROSISMICA

Septiembre 1957

Componente E-W

Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	0.0			0.0			0.0			0.0		
2	0.0			0.0			3	0.9	3.0	3	1.0	2.4
3	3	0.9	3.1	3	1.0	2.4	3	1.3	2.8	2	1.3	3.1
4	1	1.4	3.8	2	1.4	2.8	2	1.4	3.4	2	1.8	3.7
5	2	1.4	3.8	2	1.4	3.6	2	1.4	3.6	2	1.4	6.2
6	2	1.1	6.0	2	1.1	6.1	3	1.1	6.4	3	1.4	6.1
7	3	1.0	7.8	3	1.0	8.3	2	1.0	7.9	3	1.0	7.8
8	3	0.7	6.6	3	0.7	7.6	3	1.0	6.6	3	1.0	8.2
9	3	1.0	6.4	3	1.2	5.2	3	0.8	8.4	2	1.0	8.0
10	2	1.1	6.2	3	1.0	6.7		
11		
12			3	0.9	3.4	3	0.8	5.0
13	0.0			0.0			...			0.0		
14	0.0			0.0			3	0.7	6.0	3	0.7	5.8
15	0.0			0.0			...			3	0.9	4.2
16	0.0			0.0			2	0.9	3.7	3	1.3	4.2
17	0.0			0.0			3	0.9	3.3	3	0.8	4.5
18	0.0			0.0			3	0.8	4.5	3	0.8	5.7
19	0.0			0.0			2	0.9	4.0	1	1.3	4.1
20	2	0.7	3.5	3	0.9	4.3	3	0.9	4.2	3	1.2	4.8
21	3	0.7	6.3	3	0.8	5.4	3	1.4	8.2	3	0.7	6.8
22	3	0.7	7.3	3	0.7	7.8	3	1.1	8.5	3	0.7	6.8
23	3	0.7	7.4	0.0			3	0.7	6.8	3	0.7	6.4
24	0.0			0.0			...			3	0.9	3.6
25	0.0			0.0			3	1.1	6.2	3	0.7	6.2
26	2	1.4	3.4	2	1.4	3.5	3	0.9	3.4	3	0.9	4.2
27	3	0.9	4.0	0.0			3	1.0	6.7	3	1.0	7.6
28	...			0.0			3	0.7	6.7	3	0.9	4.2
29	0.0			0.0			3	0.7	7.3	3	0.7	5.8
30	3	0.8	4.5	3	0.7	6.0	3	1.4	8.2	3	0.7	7.8

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Septiembre 1957

Componente N-S

Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	0.0			0.0			0.0			0.0		
2	0..			0..			0.0			3	0.2	2.4
3	0.0			3	1.1	2.9	0.0			0.0		
4	0.0			0.0			2	1.1	3.3	2	1.1	3.5
5	2	1.1	3.1	2	1.6	3.2	2	1.1	3.4	2	1.0	4.2
6	3	1.1	3.9	0.0			0.0			0.0		
7	0.0			0.0			3	0.9	6.8	0.0		
8	0.0			0.0			0.0			0.0		
9	0.0			0.0			3	0.9	5.4	3	1.1	3.6
10	0.0			0.0			3	1.1	3.9	0.0		
11	0.0			0.0			0.0			0.0		
12	0.0			0.0			0.0			0.0		
13	0.0			0.0			...			0.0		
14	0.0			0.0			0.0			0.0		
15	0.0			0.0			...			0.0		
16	0.0			0.0			0.0			3	1.1	3.3
17	0.0			0.0			0.0			0.0		
18	0.0			0.0			0.0			0.0		
19	0.0			0.0			3	1.1	3.0	3	1.0	3.6
20	3	1.0	4.0	3	1.1	4.0	3	1.1	3.4	3	1.0	4.4
21	3	1.4	6.2	3	0.9	6.0	3	1.5	7.9	3	0.9	6.8
22	3	1.0	8.3	3	1.0	8.2	3	1.2	9.0	3	1.0	8.2
23	3	0.9	7.4	0.0			0.0			0.0		
24	0.0			0.0			...			0.0		
25	0.0			0.0			3	0.9	5.4	3	1.1	3.0
26	3	1.7	2.8	3	1.1	3.5	3	1.6	3.3	3	1.1	3.6
27	3	1.0	7.6	3	0.9	6.8	3	0.9	6.3	0.0		
28	...			3	1.0	4.0	3	1.5	4.8	0.0		
29	0.0			0.0			3	0.9	5.7	3	0.9	5.4
30	0.0			0.0			3	0.9	6.8	3	0.9	6.9

Deleg. Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Octubre 1957

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$ $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 Kg

Constantes

E = 3.2:1 T= 8s6 V = 192 r = 0,23 cm
N = 4.0:1 T= 7s9 V = 162 r = 0,15 cm

°	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
81	2	E	S 2	12 42 54	7	2	5.100	USCGS: 11°N 63°W H: 12h 27m 55s
			SS? 5	46 48	21	11		
			L 6	50 54	32	54		
			LR 7	52 36	16	39		
			M 9	53 56	13	25		
			F 13	29				
		N	iP 1	12 36 20	3	i=-2;3		
			S 3	43 00	12	2		
			SS? 4	46 42	9	2		
				52 18	9	2		
			LR 8	53 30	7y9	4y4		
			M 10	56 15	12	20		
			F 13	25				
82	4	E	P 2	05 34 30	3	1	5.100	USCGS: 11°N 63°W H: 05h 26m 09s h = 60 km
				34 54	3	1		
			S 3	41 12	8	4		
			SS 5	44 24	13	4		
			SSS? 7	45 00	19	36		
			L 9	46 48	22	20		
				48 36	31	112		
			LR 10	49 42	26	140		
			M 11	52 15	12	136		
			F 07	00				
		N	iP 1	05 34 26	3	i=-2;6		
			Ps 4	41 36	6	1		
				43 00	14	8		
			SSS? 6	44 54	21	28		
			L 8	46 36	25	28		
				48 42	20	21		
			M 12	54 29	12	122		
			M 13	57 55	10	85		
			F 07	13				



Comp.	Fase	Hora	T	A	Δ	Observaciones
56	E	L	00 ^h 42 ^m 48 ^s	3	1	
		M	43 27	3	2	
		F	45			
	N	L	00 42 12	3	2	
		M	44 05	3	3	
		F	47			
84	E	L	01 17 42	22	9	USCGS: 11°N 62° 5W H: 00h 54m 05s
		M	20 04	11	3	
		F	34			
	N	L	01 17 48	17	8	
		M	21 14	13	5	
		F	35			
11	E	P	20 30 48	4		1.000
		S	32 42	3		
		L	33 12	11	3	
		M	34 10	3	7	
		F	42			
		P	20 31 06	2		
		S	32 30	6		
		L	33 05	4	5	
		M	34 07	2	13	
		F	42			
19	E	LR	19 19 54	10	11	USCGS: 23°5N 122°E H: 18h 28m 50s
		M	20 02 06	25	16	
		F	10 05	19	10	
	N	LR	20 02 30	25	6	
		M	13 25	20	7	
		F	40			
20	E	S	12 19 54	9		5.300
		SS	23 48	14		
		L	27 42	23	30	
		M	30 10	15	21	
		F	13 05			
	N	?	12 13 54	4		
		S	20 05	7		
		SS	23 36	18		
		LR	28 54	19	21	
		M	30 26	16	20	
		M	32 57	22	34	
		F	13 03			
23	E	iP	23 54 11	3		1.000
		S	56 12	3		
		L	56 24	3	4	
			56 42	4	6	
		N	57 39	3	12	
		F	24 08			

Continúa en la página siguiente.

Prof. Ing. J. Berdick
Jefe del Departamento
de Geofísica

Octubre de 1957 Cont.

3

Nº	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
88	23	N	iP	23 ^h 54 ^m 11 ^s	2			
			S	55 54	2			
			L	56 30	4	6		
			M	57 27	3	24		
			F	24 11				
89	24	E	iP	20 09 51	3		1.250	Destructor en Vinchi- na.y Villa Castelli La Rioja (Arg). USCGS 29°S 69°W. H:20h 07m 17s
			S	11 42	5			
			L	12 00	8			
			M	12 42	5	18		
			M	14 01	10	74		
			F	53				
		N	P	20 10 00	3			Compresión
			S	11 54	8			
			SS	12 12	7			
			L	12 42	7	24		
			M	13 55	9	70		
			F	46				
90	31	E	SSS?	07 48 06	4			
			L	49 36	4	4		
			M	50 01	4	6		
			F	08 01				
		N	L	07 48 18	4			
			M	49 36	4	5		
			F	50 01	3	10		
			F	08 00				
91	31	E	P	10 16 30	3	1	5.300	USCGS: 6°5N 83°W H: 10h 07m 54s
			PS	23 42	11	3		
			ScS?	26 12	15	4		
			L y M	En el cambio de bandas				
			F	11 19				
		N	P	10 16 36	3	3		
			PS	23 36	13	10		
			L y M	En el cambio,de bandas				
			F	11 27				
92	31	E	S	16 38 36	12		4.900	USCGS 1°5 N 86°W H: 16h 24m 17s
			SSS	42 43	8			
			L	45 12	16	7		
			L _R	47 30	8	2		
			M	54 26	15	11		
			F	17 17				
		N	L	16 45 06	20	7		
			L _R	46 30	10	3		
			M	49 01	8	4		
			M	55 38	15	9		
			F	17 10				

Prof. Ing. S. Gershanik
Jefe del Departamento
de Geofísica

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Octubre 1957

Componente E-W



Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	0.0			0.0			3	1.0	7.8	3	1.1	9.0
2	0.0			0.0			3	1.0	8.4	3	0.7	6.8
3	0.0			0.0			3	0.7	7.2	3	0.8	5.7
4	0.0			...			3	0.8	4.5	3	0.9	4.3
5	3	1.3	4.2	3	0.9	3.6	2	1.3	4.2	2	0.9	3.6
6	...			2	0.8	5.2	5	0.9	3.4	3	0.9	3.9
7	3	0.9	4.0	2	1.4	3.8	3	1.4	3.2	3	1.4	3.2
8	3	1.4	3.3	3	0.9	4.2	3	0.9	3.4	3	0.9	3.0
9	3	0.9	3.4	3	0.9	3.0	3	0.9	3.4	3	1.0	2.8
10	3	0.9	3.0	3	0.9	3.4	3	0.9	3.8	3	1.4	3.6
11	0.0			0.0			0.0			0.0		
12	0.0			0.0			0.0			0.0		
13	0.0			0.0			0.0			0.0		
14	0.0			0.0			0.0			0.0		
15	0.0			0.0			0.0			3	1.4	4.4
16	2	0.9	4.2	2	1.3	3.2	2	1.4	3.5	3	1.4	4.3
17	3	0.9	3.3	3	0.9	3.6	2	1.4	3.5	2	1.4	3.7
18	2	0.8	4.4	3	1.3	4.3	2	1.4	3.7	2	1.4	3.4
19	3	1.3	4.0	3	0.8	5.4	3	1.3	4.1	3	1.4	3.9
20	3	0.9	4.0	0.0			3	0.9	3.9	3	0.9	3.6
21	0.0			0.0			3	1.4	3.8	3	0.9	4.5
22	0.0			0.0			3	0.9	4.2	3	0.8	3.2
23	0.0			0.0			3	1.0	2.4	3	0.9	2.7
24	0.0			3	1.0	2.7	3	1.0	2.4	3	1.0	6.6
25	0.0			3	1.0	2.8	2	1.4	2.9	2	2.4	3.2
26	2	2.6	4.0	2	1.8	3.6	3	1.3	4.1	3	0.9	3.5
27	3	0.9	3.0	1	1.4	2.8	2	1.4	3.2	2	1.4	3.5
28	2	0.9	3.0	2	0.9	3.6	2	1.4	3.7	2	1.3	4.0
29	2	0.9	4.2	0.0			3	0.9	3.6	3	1.0	2.1
30	3	1.0	2.7	3	1.0	2.6	3	0.7	6.3	3	0.8	4.8
31	3	0.9	3.6	3	0.9	3.6	3	0.9	3.6	3	0.9	3.6

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Octubre de 1957

Componente N-S



Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	0.0			0.0			3	0.9	7.1	3	0.9	7.2
2	0.0			0.0			3	1.2	8.4	0.0		
3	0.0			0.0			3	1.2	8.4	3	0.9	6.2
4	3	0.9	5.4	...			3	1.2	8.5	3	1.4	5.8
5	3	1.1	3.7	3	1.1	2.7	2	1.0	4.2	3	1.5	4.3
6	3	1.1	3.0	3	0.1	3.7	0.0			0.0		
7	0.0			3	1.1	3.2	3	1.1	3.7	3	1.1	3.6
8	0.0			3	1.1	2.7	3	1.1	2.8	3	1.1	2.7
9	3	1.2	2.4	3	1.1	3.0	3	1.6	4.0	3	1.1	3.4
10	3	1.6	3.9	3	1.1	3.1	3	1.6	4.0	3	1.6	3.8
11	0.0			0.0			3	1.1	3.3	3	1.1	3.9
12	0.0			0.0			0.0			0.0		
13	0.0			0.0			0.0			0.0		
14	0.0			0.0			0.0			3	0.9	5.4
15	3	1.2	2.4	0.0			2	1.1	3.9	0.0		
16	2	1.0	4.0	3	1.5	5.0	3	1.6	3.7	2	1.1	3.6
17	2	1.7	2.7	2	1.1	2.7	3	1.1	3.9	3	1.1	2.7
18	0.0			0.0			...			3	1.1	2.7
19	2	1.6	4.2	3	1.0	4.2	3	1.6	4.2	3	1.1	3.6
20	0.0			0.0			3	1.1	3.6	3	1.6	4.0
21	0.0			0.0			0.0			3	1.1	3.6
22	0.0			0.0			0.0			0.0		
23	0.0			0.0			0.0			0.0		
24	0.0			0.0			3	1.2	2.4	0.0		
25	0.0			0.0			3	1.1	2.6	2	1.6	3.8
26	2	1.6	3.8	3	1.6	3.8	3	1.1	3.9	0.0		
27	0.0			2	1.2	2.2	2	1.1	2.8	2	1.1	2.8
28	2	1.0	4.0	2	1.1	2.8	2	1.1	3.7	2	1.1	3.6
29	0.0			0.0			2	1.0	4.0	3	1.1	3.6
30	0.0			0.0			3	1.1	2.7	3	1.5	4.8
31	0.0			3	1.2	2.4	3	1.1	2.8	3	1.0	4.0

ANNO GEOPHISICO INTERNACIONAL

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

LA PLATA - REPUBLICA ARGENTINA

Deleg. Interventor. Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Noviembre 1957

ESTACION SISMOLOGICA: LA PLATA

$\varphi = -34^{\circ} 54' 32''$ $\lambda = -57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 Kg

Constantes

E $C = 3.2:1$ $T = 8^s6$ $V = 192$ $r = 0,23$ cm
 N $C = 4.0:1$ $T = 7^s9$ $V = 162$ $r = 0,15$ cm

N° Día	Comp.	Fase	Hora	T	A	Δ	Observaciones		
93 ✓ 3	E	P?	10 ^h 56 ^m 36 ^s	4					
		L	11 00 00	3	1				
		M F	00 33 09	2	2				
	N	L	10 58 36	4	2				
		M F	11 00 29 10	3	6				
94 ✓ 6	E	PPP	05 02 42	3		1.350	C.G.S da: 24°5S ; 65°W. Prov. de Salta Argentina. H= 04h 59m 01s h= 200 Km.		
		SSS?	05 42	4					
		L	05 00	7	2				
		M F	05 43 18	4	15				
		N	PPP	05 02 36	3				
			S	04 12	4				
	L		04 48	10	2				
	M F		05 29 18	3	13				
	95 ✓ 10		E	PKS?	02 58 48	6		14.000	C.G.S da: 7°S; 155°5E H= 02h 36m 21s. Islas Salomon
				SS	03 14 36	13			
		L		45 36	22	3			
		M F		57 56 04 10	16	1			
N				02 58 30	6				
		L		03 45 30	19	3			
	M F	49 48 04 13	16	2					

Noviembre de 1957 Cont.

(2)

N°	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
96	13	E	SKS 7	17h 46m 18s	8	1	10.100	USCGS: 33°S; 179°W H: 17h 22m 41s Islas Kermadec Fuentes
			SKKS 3	46 42	8	2		
			PPS 4	48 24	7	2		
			SS 5	53 24	15	5		
			L 8	13 05 24	30	24		
			M 11	09 38	22	12		
			M 12	17 23	16	7		
			F	19 14				
		N	SKS 11	17 48 12	11	1		
				48 42	13	1		
			SS 6	53 24	17	5		
			L 7	13 03 43	21	16		
			L _R 9	06 42	26	19		
			M _R 10	07 30	25	22		
			F	19 00				
97	17	E	iP	15 45 53	5		2.200	USCGS: Límite sur de Argentina y Chile H: 15h 41m 22s Compresión
			eS	49 24	7			
			iS	49 29	9			
			L	50 54	11	4		
			M	53 02	11	16		
			F	16 30				
		N	iP	15 45 53	5			
			iS	49 29	9			
			L	50 54	19	27		
			M	51 32	10	9		
			F	16 20				
98	20	E	L	13 27 12	13	2		USCGS: 54°N 165°W H: 12h 40m 23s
			L	32 42	21	5		
			M	42 38	17	18		
			F	14 25				
		N	Indicios débiles de T=29 y A=31.					
99	29	E	eP 1	22 23 16	5	5	1.760	USCGS: 21°S 66°W H: 22h 19m 28s h 200 km
			iP 3*	23 19	5			i=+21;90
				24 28	3			i=-65;62
			iS 4*	26 07	5			i > 370
			Se desenganchó el mecanismo inscriptor					
			F	24 01				
		N	eP 2	22 23 16	4	5		
			iP 3*	23 19	4			i=-35;137
				24 28	6			i=+112;103
			iS 4*	26 07	6			i=+133;385
			L 5	27 24	10	145		Las horas de L y M son aproximadas
			M 6	30 48	6	231		
			F	24 13				

Prof. Ing. S. Gershanik
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de Geofísica

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSIsmICA

Noviembre 1957

Componente E-W

Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	3	0.9	3.4	0.0			3	1.2	1.9	3	0.8	5.0
2	3	0.9	4.0	3	0.9	3.3	3	1.4	3.3	3	1.0	4.0
3	3	1.0	2.4	3	1.0	2.4	3	1.0	2.6	0.0		
4	0.0			0.0			2	1.0	2.4	2	2.0	5.0
5	3	1.3	4.4	0.0			3	1.4	3.3	3	0.9	3.6
6	3	0.9	3.2	2	1.5	3.1	2	2.4	3.0	2	1.9	3.0
7	2	1.9	3.3	2	0.9	3.0	3	1.4	3.6	3	1.8	3.1
8	3	1.4	2.4	3	0.9	3.6	3	1.2	4.2	...		
9	0.0			0.0			3	1.8	6.6	3	0.9	3.6
10	0.0			0.0			3	1.0	2.4	3	1.0	3.3
11	...			0.0			3	0.9	3.6	3	1.5	5.7
12	3	0.9	3.6	3	1.4	3.5	...			3	1.4	3.6
13	3	1.3	4.0	3	1.7	4.5	3	1.2	4.8	...		
14	3	1.8	3.7	3	1.4	3.1	3	1.4	3.4	2	0.9	3.2
15	2	1.4	3.4	2	1.4	3.6	2	1.4	3.6	2	1.4	3.4
16	3	1.0	2.7	3	0.9	3.0	3	1.4	3.6	3	0.9	3.6
17	3	1.0	2.4	2	0.9	3.1	3	0.9	3.3	3	0.7	7.8
18	3	0.9	3.6	3	0.9	3.9	3	0.8	4.8	3	0.9	3.0
19	3	1.0	2.7	3	0.9	4.2	2	1.0	2.4	3	1.0	2.4
20	3	0.9	3.0	2	0.9	4.0	2	1.4	3.7	2	1.9	3.3
21	2	1.3	3.9	3	0.9	3.6	3	1.7	4.6	3	1.4	3.6
22	3	0.9	3.0	0.0			3	1.2	5.0	3	1.8	2.7
23	3	1.3	4.2	3	0.7	6.6	2	1.4	3.2	2	1.8	2.9
24	3	1.4	3.2	2	0.9	3.4	2	1.8	3.4	2	1.8	3.4
25	2	1.5	3.5	3	1.0	2.8	3	1.4	3.8	3	1.8	3.8
26	3	0.9	3.3	0.0			3	0.8	5.4	3	1.3	4.4
27	3	0.9	3.0	3	0.9	3.9	...			2	1.4	2.9
28	2	0.9	4.3	2	1.2	4.8	2	1.8	4.2	2	1.3	4.6
29	0.0			0.0			0.0			0.0		
30	...			3	0.9	3.0	3	0.9	3.9	3	1.0	2.4

LA PLATA - REPUBLICA ARGENTINA

ACTIVIDAD MICROSISMICA

Noviembre 1957

Componente N-S

Hora	0 ^h			6 ^h			12 ^h			18 ^h		
Fecha	K	A	T	K	A	T	K	A	T	K	A	T
1	3	1.1	3.0	0.0			3	1.7	2.8	...		
2	3	1.0	6.6	3	1.6	4.2	2	1.7	2.9	2	1.7	4.2
3	2	1.1	3.3	0.0			0.0			0.0		
4	0.0			0.0			3	1.0	4.5	3	1.8	3.3
5	0.0			0.0			0.0			0.0		
6	0.0			0.0			2	1.6	3.2	2	2.4	2.8
7	3	1.1	3.0	3	1.6	4.2	0.0			0.0		
8	0.0			0.0			0.0			0.0		
9	0.0			0.0			3	1.2	2.4	0..		
10	0.0			0.0			0.0			0.0		
11	0.0			0.0			0.0			0.0		
12	0.0			0.0			...			3	1.2	3.3
13	3	1.1	3.0	0.0			3	1.1	2.7	...		
14	0.0			3	1.2	3.6	2	1.2	2.4	3	1.2	3.0
15	3	1.2	2.4	3	1.2	2.4	3	1.2	2.5	3	1.2	3.0
16	3	1.1	3.6	3	1.2	3.6	3	1.7	2.4	3	1.2	2.4
17	0.0			0.0			0.0			0.0		
18	0.0			0.0			0.0			0.0		
19	0.0			0.0			3	1.2	2.4	0.0		
20	0.0			0.0			3	1.1	3.3	0.0		
21	0.0			0.0			0.0			0.0		
22	0.0			0.0			0.0			0.0		
23	0.0			0.0			1	1.1	2.8	3	1.2	2.8
24	3	1.1	2.7	3	1.8	3.4	3	1.1	3.1	3	1.2	2.7
25	3	1.1	2.7	0.0			0.0			0.0		
26	0.0			0.0			0.0			0.0		
27	0.0			0.0			3	1.1	3.6	3	1.2	3.3
28	3	1.2	2.4	3	1.8	3.6	3	1.0	4.0	3	1.8	3.6
29	0.0			0.0			0.0			0.0		
30	...			0.0			0.0			0.0		

IBO GEOFISICO INTERNACIONAL
 OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL
 LA PLATA - REPUBLICA ARGENTINA



Deleg. Interventor: Dr. Reynaldo P. Cesco

BOLETIN SISMOLOGICO

Diciembre 1957

ESTACION SISMOLOGICA: LA PLATA

$\varphi = - 34^{\circ} 54' 32''$ $\lambda = - 57^{\circ} 55' 56''$

Instrumentos: E y N de Mainka 450 Kg

Constantes

E $\epsilon = 3.2:1$ $T = 8^{s}6$ $V = 192$ $r = 0,23$ cm
 N $\epsilon = 1.0:1$ $T = 7^{s}9$ $V = 162$ $r = 0,15$ cm

N°	Día	Cmp.	Fase	Hora	T	A	Δ	Observaciones
100	4	E	P' 2	03 58 00	3y11	2y10	17.600	C.G.S da: 45°5N; 99°5E Mongolia. H=03h 37m 45s
			PKS 3	01 02 12	11	6		
			PP 5	02 36	17	23		
			PPP 6	06 12	13	9		
			PKKS 8	09 06	19	16		
			SS 11	22 12	35	98		
			SSS 14	28 12	65y29	29y103		
				33 36	31	136		
				36 06	33	179		
			L ₂ 17	45 54	32	377		
			LR 19	54 12	36	149		
			M 20	57 11	41	273		
			M 23	05 20 25	20	267		
			F 07	09				
		N	P' 1	03 57 18	3y10	3		
				58 36	10	6		
			PP 4	04 02 24	17	29		
			SEKS 7	09 00	18	14		
			SKSP 9	12 12	18	25		
			PPS 10	15 18	19	21		
			S3 12	22 12	25	43		
			FSS 13	23 36	21	36		
				26 18	34	101		
			S3S 15	28 12	41	166		
				33 24	11	223		
				37 30	29	130		
			L ₂ 16	45 06	56	523		
			LR 18	51 06	37	226		
			M 21	05 03 43	31	295		
			M 22	11 37	20	279		
			F 07	12				



Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
10	E	PKS 1	14 ^h 58 ^m 24 ^s	8	2	14.300	C.G.S da: 6°S 154°5E H= 14h 35m 57s
		L 3	15 38 48	22	3		
		M 6	50 14	19	8		
		F	16 40				
	N	PKS 2	14 58 24	8	1		
		L 4	15 42 36	35	23		
		M 5	49 39	26	13		
		F	16 57				
13	E	PP 2	01 41 00	8	1	5.000	C.G.S da: 7°N 76°W H= 01h 31m 57s h = 100 km
			42 00	13	2		
			46 06	11	1		
		PS 5	47 12	23	6		
		SSS 7	50 12	17	3		
		L 8	54 18	25	8		
		M? 11	57 25	17	16		
	N	P 1	01 40 00	6	1		
		PP 3	42 06	6	1		
		S 4	46 48	9	1		
ScS 6		49 48	21	4			
L? 8		53 06	27	7			
	LR 6	56 42	26	13			
13	E	P' 3	02 03 54	10	2	13.300	C.G.S da: 34°5N 48°E H= 01h 44m 59s
		PP 4	05 18	13	2		
			06 12	19	4		
		SKS? 6	11 24	11	1		
		SKKS 7	12 06	19	7		
		PKKP 8	13 54	22	6		
		SS? 9	21 18	26	9		
		PSS 11	22 18	17	3		
		SSS 12	26 30	30	6		
		L 13	44 12	23	7		
	M 16	57 42	20	5			
	N	P 1	02 00 06	16	9		
		P' ? 2	03 36	17	10		
			05 42	17	13		
		SKS 5	10 48	23	20		
PPP* 7		20 42	23	10			
	SS 10	21 36	25	17			
		24 18	15	4			
	L 14	45 48	30	9			
	M 15	55 42	20	7			
	F	03 50					
13	E	L?	21 32 30	5	1		
		M	33 08	4	2		
		F	35				
N	L?		21 32 54	5	2		
			33 23	4	3		
			35				

Las restantes fases confundidas con el terremoto siguiente

Las restantes fases confundidas con el terremoto siguiente

Δ > 180°

Diciembre de 1957 Cont.-

(3)

Nº	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones
105	16	E	P	19 ^h 05 ^m 12 ^s	5	1	1.130	
			S	07 12	4	2		
			L	07 48	8	1		
			M	10 31	3	2		
			F	14				
		N	S	19 07 18	11	3		
			L	08 12	10	3		
			M	08 46	4			
			F	13				
106	17	E	L	06 13 30	18	2		C.G.S da 43°5N; 162°E
			M	29 54	22	6		
			F	33 28	17	7		H= 05h 10m 11s
		N	L?	06 11 30	23	5		
			M	30 54	25	12		
			F	42 51	18	6		
			F	07 21				
107	17	E	PP	14 09 54	14	5	12.800	C.G.S da 12°S; 167°E
				10 48	13	4		Islas Santa Cruz
			PPP	12 24	7	2		H= 13h 50m 05s
			PS	19 30	20	41		
			PPS	25 18	18	44		
			SS	25 30	27	33	57	
			SSS?	29 43	13	5		
				35 13	28	40		
			L	39 48	35	57		
			K	46 11	43	191		
			F	16 33				
		N	PP	14 09 54	11	2		
				10 54	13	4		
			PPP	12 24	8	1		
				13 24	11	2		
			PS	19 30	22	46		
			PPP	26 54	29	55		
			SSS	30 12	24	27		
			L	37 30	32	20		
				39 42	43	90		
			M	41 40	27	48		
			M	46 14	38	110		
			F	16 36				
108	20	E	OP	11 21 30	3y5		1.400	C.G.S da: 30°5S; 71°
			M	26 36	10	47		Chile Central
			F	12 21				H: 11h 18m 42s
		N	P2	11 21 54	3			Otras fases durante
			M	26 57	10	62		el cambio de bandas
			F	12 06				

Diciembre de 1957 Cont. =

(4)

N°	Día	Comp.	Fase	Hora	T	A	Δ	Observaciones		
109	24	E	PPP	15h 13 24s	3		1.000	C.G.S da: Norte de Chile. H: 15h 40m 04s		
			S	45 12	4					
			L?	45 48	4	<1				
			M	48 06	4	1				
			F	54						
N	PPP	15 43 24	3							
		L	46 12	4	1					
		M	47 07	3	2					
		F	56							
110	25	E	PPS ¹	16 41 18	4		5.100	C.G.S da: 10°5N 62° 5W Venezuela H: 16h 26m 01s		
			L	49 24	23	20				
			L ^R	50 30	20	57				
			M	51 25	5	14				
			F	17 07						
			N	SSS ²	16 45 18	6				
					L	49 18			13	4
					L ^R	50 18			11	7
					M	53 07			11	26
F	17 16									
111	28	E	iP ²	14 40 56	4		2.000	C.G.S da: 18°S; 64.5W Bolivia. H: 14h 36m 40s Compresión.		
			L	42 00	4					
			SS ⁶	44 24	10					
			L	43 54	10	9				
			L ^R ? ⁹	46 54	7	16				
			M ¹⁰	47 10	4	68				
			F	15 22						
			N	iP ¹	14 40 55	4				
					PPP ³	41 12			3	
					L	41 41			4	
SS ⁵	44 24	9								
L	46 06	8			21					
M ⁸	49 15	33			231					
F	15 28									
112	28	E	L	15 39 00	5y17	1y4	2.100	C.G.S da: Sur de Bolivia. H: 15h 29m 27s		
			M	39 54	4	4				
			F	51						
			N	P	15 33 48	3				
					S	37 12			4	
					L	39 30			7	2
					M	39 57			3	3
					F	42 05			11	5
			F	48						
			113	29	E	P			15 15 06	4
S	17 24	6								
L	18 12	7				3				
M	19 04	6				8				
F	34									
N	P	15 15 12				5				
		S				17 18	3y8			
		L				18 06	11	20		
		M				19 05	7	21		
		F				33				

Diciembre de 1957 Cont.

(5)

N°	Día	Comp.	Fase	Hora		T	A	Δ	Observaciones
114	✓ 29	E	P	19	12 24	4		1.200	C.G.Sda: 34°S; 70°51' Chile Central. h= 100 Km H= 19h 09m 55s
			SS		14 36	7			
			L		15 12	8	1		
			M		15 47	4	6		
			F		26				
		N	P	19	12 18	4			
			SS		14 30	5			
			L		15 06	8	3		
			M		15 38	3	5		
			F		24				

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de Geofísica