

1954

LA PLATA REPUBLICA ARGENTINA

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo F. Cesco

Instrumentos: EyN de Mainka 450Kg. Z Wiechert 80kg. S Sprengnether

Enero 1954

Constantes

S:E	$l_r = 23.7\text{cm}$	$A = 100,0\text{cm}$	$T_{gg} = 13^s0$	$T_s = 13^s0$	$k = 122$
S:N	$l_r = 25.9\text{cm}$	$A = 100,0\text{cm}$	$T_{gg} = 15^s6$	$T_s = 15^s6$	$k = 58$
M:E	$\epsilon = 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\epsilon = 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\epsilon = 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

Fecha y número	Comp.	Fase	Hora			Amplitud		Observaciones
						Aparente	Abs	
			h	m	c.min	mm	μ	
Ene.4 1	S:E	L	12	28.0	53	1.1	10	Δ aprox. 5.200 km USCGS: Islas Bouved H: 12h 08m 49s
		LR		31.6	57	2.5	28	
		M		36.70	25	3.0	7	
		F	13	05				
	S:N	L	12	27.8	53	1.1	13	
		LR		31.8	53	2.0	23	
		M		34.15	27	2.5	9	
		F	13	06				
Ene.4 2	S:E	L	17	29.7	46	1.1	7	
		M		35.80	46	2.5	17	
		F		41				
	S:N	L	17	29.5	71	0.9	21	
		M		32.70	20	2.1	6	
		M		36.25	20	1.5	4	
		F		42				
Ene.9 3	S:E		00	30.8	< 6	1.0		
				34.3	8	0.7		
		L		35.2	26	0.5	1	
		M		36.62	13	1.0	1	
		F		43				
	S:N		Sin registro					
	M:E		00	30.9	6	0.5		
				34.3	7	0.5		
		L		35.0	21	0.5	6	
		M		36.70	7	0.3	2	
		F		42				

Fecha y Número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m.		Apagante	Abs.	
Ene.9 3	M:N		00	33.7	15	0.3		
				34.4	13	0.5		
		L		35.3	19	0.5	7	
		M F		36.26 42	6	0.5	3	
Ene.9 4	S:E	L	02	10.3	39	0.6	3	Δ aprox. 5.000km USCGS: 5°5'N 82°W H: 01h 43m 15s
		M F		13.23 19	29	0.6	2	
		S:N		Sin registro				
Ene.12 5	S:E		02	42.2	32	0.7		
				47.6	26	1.0		
				51.1	39	1.0		
		L M F		55.3 00.49 09	65 32	0.4 1.4	6 4	
	S:N		Sin registro					
Ene.12 6	S:E	L	14	59.6	45	1.4;m: 6.4	9:41	Δ aprox. 9.800km USCGS: 49°S 165°E H: 14h 16m 22s
		M F		15 06.42	29	0.3	17	
		Superpuesto al siguiente						
	S:N	L	14	59.1	52	1.3;m: 2.0	15:22	
		M F		15 05.32	32	4.0	18	
		Superpuesto al siguiente						
	M:E	L	14	59.7	42	0.3	17	
		M F		15 06.61	23	0.6	14	
		Superpuesto al siguiente						
	M:N	S	14	40.1	10	0.3		
		L	15	00.8	30	0.2	6	
		M F		05.60	31	0.5	16	
Superpuesto al siguiente								
Ene.12 7	S:E	SS?	14	48.9	40	2.0		Δ aprox. 9.800km USCGS: 49°S 165°E H: 14h 20m 26s
		SSS		53.2	40	2.7		
				56.6	45	2.5		
	L LR MR F	L	15	04.1	42	1.6	9	
		LR		10.0	30	2.0;m: 5.1	6:15	
		MR		17.51	25	7.5	17	
		F	16	56				
	S:N	SS?	14	48.9	25	1.5		
		SSS		53.2	33	1.0		
				56.6	40	1.5		
		L	15	02.4	55	1.6	20	
		LR MR F		07.6 16.67 16.58	30 26	4.5 11.0	19 40	
M:E	SKS	14	43.6	18	0.3;m: 0.9			
	PS		45.1	23	0.4			
	SS?		48.9	23	0.5			



International
Seismological
Centre

Fecha y Año	Comp.	Fase	Hora			Amplitud		Observaciones		
			h	m	c.min	Aparente mm	Abs. µ			
ene.12 7 Cont.	M:E	L ✓	15	04.2	51	0.3;m:07	26;61			
		L _R		10.1	28				0.5	12
		M		17.53	25				0.9	17
		F	Confuso							
	M:N	S	14	44.0	18	0.8				
		PPS		45.4	15	0.5				
				48.4	24	0.2				
		SSS		53.5	30	0.2				
		L ✓	15	04.9	38	0.5	25			
		L _R		10.4	28	1.0	26			
	M			17.81	27	1.3	31			
		F	16	25						
ene.13 8	S:E	SKS	00	36.4	33	1.0;m:4.5	Δ aprox. 9,800km USCGS: 49°S 165°E H: 00h 13m 06s			
				42.1	26			1.7		
		PKKP?		43.7	38			1.5		
		SSS		46.6	40	2.0				
				49.3	40	1.5				
		L		51.2	55	2.2		22		
		L _R		57.6	37	2.0		8		
		M _R	01	02.03	30	6.0		17		
		F	03	19						
	S:H	PpP	00	26.1	13	0.3				
		PPF		32.6	27	0.4				
		SKS		36.5	27	1.0;m:4.4				
		SS		43.0	33		1.9			
		SSS?		46.4	35		2.0			
				49.3	20	1.8				
		L		51.4	52	1.4	16			
		L _R		56.6	38	1.5	9			
		M _R	01	02.05	30	4.5	19			
F	03	21								
M:E	SKS	00	36.5	14	0.2					
	SS		43.1	9	0.2					
	L?		49.5	48	0.3	23				
	L _R		58.3	27	0.5	10				
	M _R	01	02.21	28	0.5	12				
	F		55							
M:N	S	00	36.9	18	0.3					
	SS		43.0	17	0.3					
	L		49.6	22	0.2	3				
	L _R		58.4	33	0.3	11				
	M _R	01	01.74	36	0.5	23				
	F		58							
ene.14 9	S:E	L	15	25.7	45	1.1				
				33.3	35	0.7	3			
		M		38.19	19	0.7	1			
	S:N	F	16	07						
		L	15	25.8	42	1.5				
		M		33.2	32	0.4	2			
F	16	03	19	0.5	1					

En ME y N; WZ. Nada

Enero de 1954 Cont.

(4)

Fecha Número	Comp.	Fase.	Hora		Per.	Amplitud		Observaciones
			h	m		c.min	mm	
Ene.16 10	S:E		00	19.7	32	0.5		Δ aprox. 11.100km USCGS: 19°5S 174°W H: 23h 30m 32s
		L		25.5	39	0.7	3	
		M		32.46	26	0.6	1	
	F		48					
	S:N		00	19.9	26	0.3		
		L		25.8	35	0.4	2	
M			29.01	19	0.5	1		
F		45						
En ME y N; WZ Nada								
Ene.15 11	S:E		20	42.0	26	0.6		
		L		57.0	35	0.4	2	
		M		21 01.86	42	1.0	6	
	F		22 09					
	S:N		20	42.8	39	0.4		
		L		56.7	39	0.6	4	
M			21 01.98	32	0.7	3		
F		22 11						
En ME y N; WZ Nada								
Ene.17 12	S:E		04	04.5	32	0.5	2	Δ aprox. 18.200km USCGS: 34°N 141°E H: 03h 03m 57s
		L		08.99	26	0.5	1	
		M		16				
	F							
	S:N		04	04.0	45	0.4	3	
		L		08.63	32	0.5	2	
M			15					
F								
En ME y N; WZ Nada								
Ene.17 13	S:E		18	18.4	52	0.4		Δ aprox. 9.300km USCGS: 16°5S 36°E H: 17h 39m 33s
		L		23.0	52	0.4	4	
		M		26.73	29	0.9	2	
	F		43					
	S:N		18	18.2	35	0.5		
		L		22.9	45	0.4	3	
M			26.39	35	0.6	3		
F		46						
En ME y N; WZ Nada								
Ene.18 14	S:E		02	27.7	45	0.3	2	
		L		31.43	40	1.0	5	
		M		39				
	F							
	S:N		02	26.9	39	0.2	1	
		L		31.29	31	0.9	4	
M			40					
F								
En ME y N; WZ Nada								

Fecha y Hora	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones
			h	m		Aparente mm	Abs. μ	
ene. 20 15	S:E	PS	04	35.0	19	0.9		Δ aprox. 6.600km USCGS: 8°5'N 103°5'W H: 04h 16m 25s
		SS		38.9	35	0.9		
		L		46.3	45	1.0	6	
		LR		48.6	32	2.6	8	
		MF		54.08	27	2.5	6	
	S:N	PS	04	35.1	26	0.9		
		SS		39.0	32	0.9		
		L		46.2	32	0.7	3	
		LR		48.2	29	1.5	6	
		MF		53.38	26	1.9	7	
	M:E	SSS?	04	43.0	15	0.5		
		L		46.7	36	0.2	8	
		LR		48.6	19	0.3	3	
		MF		53.77	17	0.5	4	
		F	05	28				
M:N		Sin registro						
ene. 26 16		En S:E y S:N aproximadamente a 15hs. indicios de T=29cy A=9.1						
ene. 28 17	S:E		04	22.4	13	0.2		
				24.8	32	0.9		
		L		28.7	57	0.8	9	
	M:F			35.53	39	0.6	3	
				56				
	S:N		04	23.1	32	0.4		
				26.7	45	1.0		
		L		29.6	45	0.6	5	
		MF		35.33	45	0.8	7	
ene. 28 18	S:E	L	09	09.2	55	0.6	6	
		MF		14.63	32	1.5	5	
		F		58				
S:N	L	09	09.2	66	0.6	12		
	MF		14.86	39	0.9	6		
	F		57					



International
Seismological
Centre

LA PLATA REPUBLICA ARGENTINA

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450Kg. Z Wiechert 80kg. S Sprengnether

Febrero 1954

Constantes

S:E	$L_r = 23.7\text{cm}$	$A = 100,0\text{cm}$	$T_{gr} = 13^s0$	$T_s = 13^s0$	$k = 122$
S:N	$L_r = 25.9\text{cm}$	$A = 100,0\text{cm}$	$T_{gr} = 15^s6$	$T_s = 15^s6$	$k = 58$
M:E	$= 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$= 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$= 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

Fecha y número	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones
						Aparente	Abs. μ	
Feb.1 19	S:E	P?	01	27.6	17	0.7;m:1.3		Δ aprox. 17.400km USCGS: 24°N 143°E H: 01h 06m 48s
		PKS		30.5	37	0.6		
		PPP		35.0	20	0.6		
				36.0	26	0.9		
		SKKS?		38.8	20	1.1		
		PPS		45.7	30	0.9		
		SS		50.9	37	1.8		
		SSS		59.4	43	1.8		
		L	02	04.8	43	1.4	8	
		LR		25.7	40	2.8	14	
M		32.94	33	5.4	18			
F	03	12						
En SN;ME y N; WZ sin registro								
Feb.2 20	S:E	S?	04	54.7	23	0.4		Δ aprox. 4.200km USCGS: 6°S 81°W H: 04h 42m 12s
		L		56.2	35	0.7		
		M	05	01.4	50	0.5	4	
		F		08.44	23	1.1	2	
	S:N		Sin registro					
Feb.3 21	S:E	L	00	42.7	26	1.6		
		M		48.0	45	0.2	1	
		F		50.60	29	0.5	1	
	S:N		Sin registro					

Estación	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		mm	μ		
.8	S:E	iP	00	31.63	9	i=-3.3;2.3		Δ aprox. 1.500km USCGS: Limite Argentino - Chileno H: 00h 28m 20s	
		S?		33.1	10	1.0			
				34.6	13	3.0			
	L				35.1	6y13	4.5;2.7		
		M			36.6	32	5.0		
		F			37.53	18	10.0		
					57		2 16		
	S:N	iP	00	31.64	5	i=-2.3;0.8			
		S?		33.5	6	0.5			
				34.6	8	1.5			
		L		35.2	7	6.8			
		M		36.4	25	7.0			
	F		36.74	12	7.5				
				51		24 22			
.8	S:E		12	23.6	42	0.7			
		L		27.2	42	2.0			
		M		32.59	23	4.5			
	F		Confuso						
	S:N		12	23.7	26	0.5			
		L		27.1	39	0.6			
M			32.57	19	1.9				
	F		59		4 6				
.8	En S:E y S:N aproximadamente a 14h20m inscripción con T ~ 16°C y A ~ 20 μ USCGS: 22°55' 68" W H: 14h 19m 09s								
.10	S:E		21	15.9	13	1.5			
		L		18.1	28	1.0			
		M		19.79	15	2.0			
		F		40		3 3			
	S:N	L	21	18.0	25	0.6			
		M		19.53	12	1.6			
		F		31		2 5			
	M:E		21	14.4	28	0.2			
				16.0	22	0.7			
		L		18.0	15	0.3			
		M		19.81	23	0.9			
		F		29		2 14			
M:N		21	14.6	25	0.1				
	L		18.0	28	0.2				
	M		19.83	25	0.8				
	F		25		5 16				
.11	S:E	P'	00	50.3	23	1.1		Δ aprox. 18.200km USCGS: 39°5'N 101°E H: 00h 30m 16s	
		PP		54.9	13	4.6			
		SKKS	01	01.6	16	3.5			
		PPS		09.5	32	1.5			
		SS		14.8	33	1.4; 3.6			
				20.4	50	1.0			
		SSS?		25.7	52	1.2			
				30.2	35	1.7; 2.5			
				35.0	55	1.4			

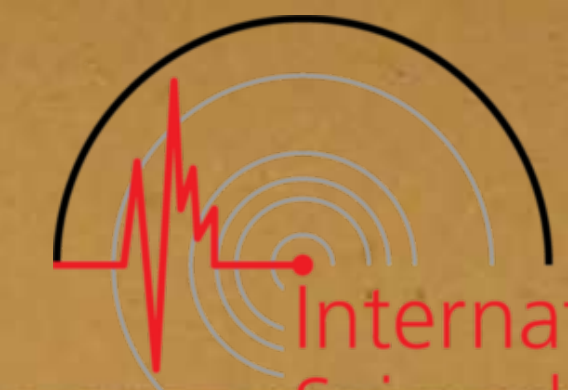
Febrero 1954 Cont.

(3)

Estación	Comp.	Fase	Hora		Amplitud		Observaciones	
			h	m	Per. c.min	Aparente		Abs.
						mm		µ
0.11	S:E	LQ	41.7	45	1.1;2.0	7.13		
		LR	51.4	39	2.6;4.8	12.22		
		M	02 01.58	39	7.9	37		
		F	03 09.97	32	8.1	26		
	S:N	P'	00 50.3	16	0.9			
		PP	54.9	23	1.3			
		SKKS	01 01.5	16	1.5			
		PPS	09.2	16	1.6			
		SS	14.7	41	1.0;1.8			
			20.3	29	1.1			
		SSS?	25.6	46	0.7			
			34.7	48	1.3			
		LQ	40.3	93	1.4	67		
		LR	52.4	39	3.0	19		
		M	02 04.56	42	5.9	43		
		F	03 08.48	35	6.1	32		
	M:E	P'	00 50.4	10	0.4			
		PP	54.8	20	0.6			
		PPP	58.8	10	0.5			
		SKKS	01 01.8	18	0.5			
		SS	14.9	20	0.3			
			21.1	15	0.2			
		LQ	38.8	51	0.2	17		
		LR	52.5	46	0.4	28		
	M:N	M	02 01.46	34	0.7	26		
		F	10.00	33	0.7	24		
			54					
		P'	00 50.4	16	0.3			
		PP	55.2	14	0.4			
		SKSP	01 05.7	18	0.1			
		?	10.3	27	0.1			
		SSS	24.5	36	0.2			
S:E	LQ	38.3	43	0.2	13			
	LR	52.4	36	0.2	9			
	M	02 59.76	38	0.3	15			
	M	02 08.36	30	0.3	9			
	F	59						
.14	S:E	P	06 48.7	12	1.0		Δ aprox. 3.950km USCGS: 6°5'S 81°W H: 06h 41m 44s	
		PcP	51.1	30	0.6			
		S	54.2	21	1.5			
	LQ	58.5	19y37	1.8;1.0	3y4			
	LR	07 02.7	32	2.5	8			
	F	10.65	20	2.7	5			
	56							
.15	S:E	S	03 38.0	22	1.0		Δ aprox. 5.050km USCGS: 5°5'N 82°5'W H: 03h 22m 45s	
		SS	41.7	24	0.8			
			44.1	22	0.7			
		L	48.2	45	1.1	7		
		M	50.87	26	1.5	4		
		F	04 26					

Registro confuso

Fecha y Número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones				
						Aparente	Abs.					
			h	m	c.min	mm	μ					
Feb. 15 28	S:N	S	03	38.0	26	1.1						
		SS				0.5						
						0.6						
		L				0.8	4					
		M				1.1	5					
	F	04	21									
Feb. 15 29	S:E	?	12	08.9	32	0.5		Δ aprox. 7.000km USCGS: 16°5'N 100°W H: 12h 03m 06s				
		?				3.5						
		PP?				2.5						
						2.5						
						2.0						
						0.3	1					
		LR				1.0	3					
		M										
		F				13	17					
		S:N				?	12		09.0	19	0.6	
						?					0.6	
						PP					0.6	
						PPP					0.5	
											0.6	
						PS					0.6	
	0.7											
LQ	0.3		2									
LR	0.5		2									
F	0.8		2									
	13	04										
Feb. 15 30	S:E	ScS	15	57.4	26	0.7		Δ aprox. 3.950km USCGS: 6°55' S 81°W H: 15h 40m 37s				
		L				0.9	3					
		M				1.4	3					
		F										
						45						
S:N	SS	15	55.1	9	0.2							
	ScS				0.5							
	L				0.5	1						
	M				0.6	2						
	F				20							
Feb. 15 31	S:E	?	19	55.3	19	1.0		Δ aprox. 3.950km USCGS: 6°55' S 81°W H: 19h 50m 52s				
		P				0.6						
		S?				2.0						
		L				1.1; 3.2	7; 20					
		M				6.8	22					
		M				8.1	16					
		F				21	51					
		S:N				?	19		54.9	10	0.3	
						P					0.4	
						S					0.8	
L	0.8		4									
M	3.1		9									
M	5.0		16									
F	21		19									
M:E	L	20	02.8	20	0.5							
	LR				0.4	21						
	M				0.5	6						
	M				0.9	10						
	F				21	04						



Fecha y mes	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m		mm	μ	
Feb. 15 31	M:N	L	20	03.0	20	0.1		
		M		06.7	32	0.1	4	
		F		15.43	20	0.3	4	
Feb. 19 32	S:E	P	00	49.9	8	1.1;1.6		Δ aprox. 5.900km USCGS: 11°5'N 87°5'W H: 00h 40m 25s
		PPP?		53.6	19	0.7		
		S		57.3	26	6.0		
		SS?	01	01.0	39	3.0		
		L		04.3	57	1.6	18	
		LR		08.6	52	3.2	29	
	S:N	M		13.14	26	4.5	10	
		M		19.53	26	5.0	12	
		F	02	19				
		P	00	49.9	13	0.8;1.4		
		PPP		53.3	13	0.5		
		PcS		55.1	13	0.5		
M:E	S		57.5	26	2.8			
	SS	01	01.4	35	3.4			
	L		04.6	48	1.5	14		
	LR		08.2	52	2.6	29		
	M		13.34	39	6.5	41		
	M		15.66	26	7.0	25		
M:N	F	02	19					
	P	00	50.0	7	0.4			
	PPP		53.0	6	0.1			
	S		54.5	7	0.2			
	L		57.5	11	0.3			
	LR	01	04.7	53	0.2	19		
M:N	M		08.0	24	0.3	5		
	M		12.69	26	0.3	6		
	F		Confuso					
	P	00	49.9	10	0.7			
	S		54.1	10	0.3			
	SS?		57.6	11	0.6			
Feb. 19 33	S:E	SS?	01	01.2	34	0.4		
		L		05.1	44	0.2	14	
		LR		07.5	31	0.3	10	
	S:N	M		12.96	41	0.6	36	
		F		Confuso				
		P	00	49.9	10	0.7		
Feb. 19 33	S:E	L	14	07.4	52	0.5		
		M		11.8	61	1.3		
		M		15.6	39	1.1		
		M		16.6	45	1.0	6	
		M		19.66	32	5.8	19	
		F		24.24	26	5.0	12	
	S:N	F	15	41				
		P	14	06.5	19	0.7		
		S		10.0	32	0.4		
		S		11.8	35	1.0		
		S		15.8	26	0.7		
		L		16.9	58	1.3	19	
S:N	M		19.82	29	5.0	20		
	F	15	34					

Febrero de 1954 Cont.

(6)

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Apparente	Abs.	
			h	m	e.min.	mm	μ	
Feb. 19 33	M:E		14	07.6	21	0.2		
		L		11.5	33	0.2		
		LR		17.3	52	0.5	45	
		M		19.3	33	0.6	20	
		F		23.95	21	0.5	6	
	M:N	Inscripción con T ~ 33°C y A ~ 20 μ						
Feb. 19 34	S:E	?	19	13.8	45	0.6		Δ aprox. 10.500km USCGS: 30°S 173°W H: 19h 07m 44s
				21.6	29	0.5		
		PP		25.0	19	1.1		
				27.1	26	0.6		
		SKS		31.8	32	3.5		
		PS		33.4	32	5.0		
				36.0	26	1.5		
		SSS		42.1	42	4.2		
		L		47.0	70	1.1	21	
		LR		51.7	45	2.3	15	
		M		54.15	39	4.5	21	
		M	20	02.35	29	4.5	12	
		F	Confundido con el siguiente					
S:N	PP		19	21.8	19	0.3		
				24.9	23	0.6		
				31.1	23	0.4		
		SKS		31.8	29	3.3		
		PS		33.5	26	3.5		
				36.3	26	0.8		
		SS		38.8	32	3.0		
		SSS?		41.8	39	2.0		
		L		47.1	78	1.7	51	
		LR		51.8	35	2.0	11	
		M	20	00.33	29	3.6	15	
M		02.38	29	4.0	16			
F	Confundido con el siguiente							
M:E	PPP		19	24.2	18	0.3		
				28.8	15	0.2		
		S?		31.4	30	0.5		
		PPS		33.4	41	0.5		
		SSS		41.9	40	0.7		
	Luego ilegible							
M:N	S?		19	24.3	19	0.2		
				31.7	23	0.3		
		PPS		33.5	23	0.3		
		SS		38.7	34	0.3		
		?		44.6	23	0.3		
		L		48.8	31	0.4	13	
		LR		53.3	36	0.5	23	
		M	20	02.40	29	0.6	17	
F	Confuso							



Febrero de 1954 Cont.

(7)

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente Abs.		
					h m	c.min	
Feb. 19 55	S:E	P	21 44.0	26	1.5		Δ aprox. 6000km USCGS: 12°5N 87°5W H: 21h 34m 41s
		PcS?	48.5	65	1.0		
		S	51.7	26	3.5		
		SS	55.4	32	2.1		
		L	58.3	65	1.6	25	
		LR	22 02.0	57	2.0	22	
		M	11.35	26	6.5	15	
	F	23 02					
	S:N	P	21 44.2	26	1.0		
		PP	46.3	26	1.0		
		?	48.1	65	1.0		
		S	51.6	26	2.0		
		SScS	53.9	45	1.9		
		SS	55.5	45	2.5		
		L	58.4	84	2.0	73	
		M	22 07.73	42	5.0	36	
	M:F	M	10.28	45	5.5	46	
		F	59				
	M:E	P	21 44.1	8	0.4		
		PcS	49.2	5	0.3		
		S	51.6	15	0.3		
		L	59.3	27	0.1	2	
		LR	22 02.4	48	0.2	15	
M		11.35	22	0.4	6		
M:N	P	21 44.2	6	0.4			
	S	51.7	12	0.2			
M:F	?	55.8	31	0.1			
	L	58.9	36	0.1	5		
	M	22 07.78	37	0.6	29		
	M	10.12	35	0.5	21		
	F	23					
Feb. 20 56	S:E	eP	02 10.0	20	0.7		Δ aprox. 5.800km USCGS: 11°5N 87°5W H: 02h 00m 43s
		ePP	12.1	13	0.6		
		PcS	15.3	17	0.9		
			16.9	26	1.5		
		eS	17.8	29	1.4		
		SS	21.6	39	1.4		
		L	25.7	52	0.7:1.5	6:13	
	M	34.60	29	1.1	3		
	F	55					
	S:N	?	02 09.5	13	0.4		
		eP	10.2	10	0.5		
		ePP	12.2	20	0.5		
			16.9	32	0.7		
		SS	21.7	32	0.6		
L		25.7	39	0.4	3		
M		36.15	26	2.5	9		
F	59						

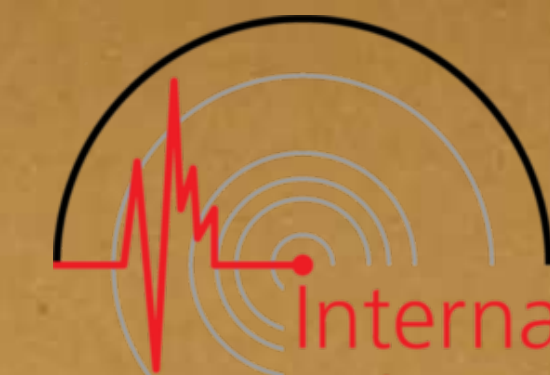
Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
					mm	μ	
Feb. 20 37	S:E	P'	18 53.5	32	0.9		Δ aprox. 15.000km USCGS: 7°S 124°5E H: 13h 35m 05s h: 600 km
		PP	56.4	26	1.0		
		PKS	57.0	32	1.2		
		PPP?	59.4	32	2.0		
			19 03.8	29	2.8		
			06.0	16	1.1		
			10.4	45	1.4		
			13.7	32	9.0		
			19.1	23	2.6		
			39.2	45	0.9	6	
		48.5	39	1.7	8		
		55.84	32	2.9	9		
		20 59					
		S:N	P'	18 53.6	32	1.4	
			PP	56.2	32	1.2	
			PKS	57.0	16	7.4	
			PPP?	59.4	45	2.0	
			19 03.7	65	1.5		
			05.7	23	1.0		
			09.8	52	1.4		
	13.8		29	3.1			
	19.8		55	1.5			
	39.9		66	0.6	12		
	47.3	45	1.9	16			
	53.42	39	4.0	25			
	20 58						
Feb. 20 38	S:E	SKS	21 52.2	19	0.9		Δ aprox. 10.300km USCGS: 28°S 177°5W H: 21h 28m 28s
		PS	54.0	23	0.9		
		SSS	02.8	39	1.0		
		L	08.3	42	0.8	4	
		LR	14.0	35	0.8	4	
		M	17.65	39	1.2	5	
		M	24.36	26	1.0	4	
		23 20					
		S:N	SKS	21 52.2	23	1.0	
			PS	54.1	13	1.0	
			SS	59.3	45	0.3	
			SSS	02.8	32	1.0	
			L	08.8	45	0.8	7
			LR	12.9	45	0.9	7
	M		23.00	29	1.3	5	
	M	34.16	29	0.7	3		
	23 01						
Feb. 21 39	S:N	L	02 00.3	45	0.3	2	USCGS: Costa de Nicaragua H: 01h 29m 06s.
		M	04.10	26	0.5	2	
		F	09				
Feb. 22 40	S:E	iP	12 09.63	10	i=-2.2; 2.0		Δ aprox. 3.500km BCIS: 57°S 26°5W H: 12h 03m 23s
		PP	10.8	26	2.0		
			13.6	19	2.4		
		S	15.1	19	4.0		
		ScS	20.1	19	5.0		
			23.6	23	4.5		
			27.0	19	3.5		
			30.9	19	3.0		
			33.7	52	2.0	18	
			44.86	32	2.5	8	
			13 53				

Fecha y Número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Aparente	Abs.	
			h	m	c.min	mm	μ	
Feb. 22 40	S:N	iP	12	09.63	10	i=+1.5		
				PcP	12.9	65	1.5	
			19.1	32	3.5			
			23.7	29	3.0			
			25.1	26	3.2			
			30.8	23	3.0			
		L	M	13	33.5	49	1.5	15
					40.51	26	3.6	13
					F	50		
		M:E	P	12	09.6	28	0.3	
					13.2	31	1.1	
			S		15.3	17	2.1	
				19.0	30	1.2		
			ScS		20.0	7	2.3:4.5	
				22.7	64	1.4		
	L	M	F	32.7	46	0.9	63	
				37.01	42	0.8	46	
				F	54			
Feb. 23 41	S:E	P	22	54.0	26	0.5		
					54.5	32	3.1	
			23	00.4	52	1.6		
				03.2	32	5.0		
				07.9	19	2.1	4	
				11.33	26	2.5	6	
		L	M	F	01	54		
		S:N	P	22	54.1	26	0.9	
					58.1	39	3.0	
				23	03.3	26	3.0	
				07.1	26	2.0		
				09.5	58	2.0	29	
				12.49	55	1.6	20	
	L	M	F	01	38			
	M:E	P	22	54.1	15	0.2		
				58.3	23	0.3		
			23	03.3	21	0.6		
			07.9	24	0.4	7		
			11.51	19	0.4	4		
			28					
	M:N	P	22	54.4	16	0.1		
				54.9	20	0.3		
			23	02.8	19	0.2		
			08.5	32	0.3	10		
			11.26	19	0.4	4		
			29					
	L	M	F					

Febrero de 1954

(10)

Fecha y Número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
						Aparente	Abs.			
				h	m	c.min	mm	μ		
Feb. 25 42	S:E	L	22	41.6	39		0.6	3	Δ aprox. 5.000 USCGS: 5°5'N 83°W H: 22h 15m 15s	
		M		43.40	23		1.0	2		
		F		49						
	S:N	L	22	42.9	52		0.3	3		
		M		45.88	26		0.5	2		
		F		50						
Feb. 28 43	S:E	L	00	31.9	32		0.4		Δ aprox. 12.200km USCGS: 23°S 166°5'E H: 23h 34m 42s	
		M		40.2	29		0.5	1		
		F		48.49	29		0.8	2		
				01	01					
		S:N	L	00	32.2	29		0.4		
	M			39.2	29		0.4	2		
		F		47.62	26		0.5	2		
			01	05						
Feb. 28 44	S:E	L	02	20.2	45		0.5		Δ aprox. 18.900km USCGS: 27°N 131°E H: 00h 55m 22s	
		M		29.4	39		0.7			
		F		37.6	52		0.7	6		
				49.75	29		0.8	2		
				03	00					
		S:N	L	02	23.1	52		0.4		
M			24.3	32		0.6				
F			37.1	58		0.6	9			
				49.43	39		0.6	4		
				57						



International
Seismological
Centre

LA PLATA REPUBLICA ARGENTINA

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Marzo 1954

Constantes

S:E $l_r = 23.7\text{cm}$ $A = 100.0\text{cm}$ $T_g = 13^s0$ $T_s = 13^s0$ $k = 122$
 S:N $l_r = 25.9\text{cm}$ $A = 100.0\text{cm}$ $T_g = 15^s6$ $T_s = 15^s6$ $k = 58$
 M:E $\epsilon = 4.8$ $T = 8^s2$ $V = 154$ $r = 0.11\text{cm}$
 M:N $\epsilon = 4.6$ $T = 8^s1$ $V = 144$ $r = 0.10\text{cm}$
 W:Z $\epsilon = 4.8$ $T = 2^s9$ $V = 80$ $r = 0.018\text{cm}$

Fecha y numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
						Aparente	Abs.		
			h	m	c. m. n	mm	µ		
Mar. 3 45	S:E	P'	06	22.4	13	0.5		Δ aprox. 15.100km USCGS: 5°58' 142°5'E H: 06h 02m 55s x: Δ > 180°	
		PP		24.9	19	0.8			
		?		26.9	23	4.0			
		SKS?		30.3	26	0.6			
		SKSP		34.9	19	1.1			
		SKKS _x		38.7	32	1.0			
		SS?		42.5	52	0.6			
		SSS		48.0	52	2.2			
		L		59.7	110	2.0	132		
		LR	07	09.2	32	2.0	6		
		M		13.80	35	6.0	23		
		F	09	01					
		S:N	P'	06	22.4	6	0.2		
			PP		24.9	26	1.0		
PKS			25.8	26	3.5				
SKKS			31.7	26	1.0				
SKSP			35.0	32	1.4				
			39.4	26	1.0				
SS			43.0	45	2.0				
			49.7	58	2.0				
L			59.0	52	1.5	17			
LR	07		09.9	48	2.0	19			
M			12.54	39	3.5	22			
M:E	PKS	06	25.9	10	0.2				
	SS		42.8	37	0.2				
			53.7	31	0.2				
	L	07	00.4	72	0.3	53			
	LR		12.3	37	0.3	13			
	M		13.68	36	0.3	12			
	F		18.96	29	0.2	5			
		54							



Fecha y Número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
						Aparente	Abs.		
						mm	μ		
Mar.3 45	M:N	?	06	20.9	22	0.1			
		PKS		25.7	16	0.5			
		PS?		35.9	12	0.3			
		L	07	00.5	46	0.2	15		
		L _R		11.6	39	0.2	11		
		M		13.64	33	0.2	8		
		F	08	21.31	28	0.4	10		
Mar.3 46	S:E	L	16	31.5	37	0.3	1	Δ aprox. 15.100km USCGS: 5°58' 142°58'E H: 15h 21m 27s	
		M		40.98	37	0.8	3		
		F	17	14					
	S:N	L	16	31.6	37	0.1	1		
		L _R		39.5	27	0.3	1		
		M		41.44	27	0.5	2		
Mar.3 47	S:E		18	41.2	27	2.1		Δ aprox. 5.900km USCGS: 18°N 68°W H: 18h 35m 53s h ~ 100km	
				51.9	27	1.0			
		L		59.7	48	1.0	7		
	S:N	M	19	03.16	27	1.0	2		
		F		22					
		L	18	41.0	33	0.2			
S:E	M		59.8	39	0.2	1			
	F	19	04.98	35	0.6	3			
			25						
Mar.5 48	S:E	L	12	19.3	39	0.7	3	USCGS: 3°S 130°E H: 11h 17m 43s	
		M		26.85	39	2.4	11		
		F		59					
	S:N	L	12	20.4	45	0.6	5		
		M		24.53	32	2.0	9		
		F	13	00					
Mar.7 49	S:E	P	01	52.8	10	0.7		Δ aprox. 5.400km USCGS: 8°S 142°W Región de La Isla Ascensión H: 01h 44m 30s	
		PP		55.0	10	0.5			
		S		59.6	26	1.0			
		S _{CS} ?	02	03.1	29	1.0			
		SSS		05.4	19	0.7			
				06.7	39	0.6			
	S:N	L		08.0	39	0.9	4		
		M		11.89	32	1.1	4		
		F		38					
		S	01	59.6	10	0.5			
		SSS	02	05.0	26	0.5			
		L		08.4	32	0.4	2		
Mar.9 50	S:E	M		12.92	16	1.0	3		
		F		39					
		P	02	29.7	37	1.2		Δ aprox. 4.800km USCGS: 1°5'N 30°5'W H: 02h 21m 43s	
		PP		31.5	43	1.5			
		PS		36.5	27	5.5			
		SS?		39.6	27	1.5; 4.5			
L		41.0	62	2.0; 3.8	28; 53				
M		47.02	26	11.9	28				

Fecha I Número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones	
					Aparente	Abs.		
					h m	c. min		mm
Mar. 9 50	S:N	P	02 29.8	20	0.8			
		PP	31.5	33	1.2			
		PS	36.5	27	4.2			
		ScS	39.8	33	1.9			
		L	41.7	52	1.5; 2.0	17.22		
		M	46.52	25	5.3	18		
		M	51.02	21	6.9	21		
	M:E	PPP	02 31.9	9	0.2			
			36.6	11	0.3			
			40.0	25	0.4			
			L	42.0	57	0.5	55	
			M	47.20	24	1.0	17	
			M	55.03	20	1.0	11	
			F	03 39				
	M:N	PPP	02 31.5	31	0.4			
			36.5	23	0.7			
			39.8	35	0.3			
			L	41.4	44	0.5	35	
			M	46.56	22	1.0	15	
			M	50.98	22	1.0	15	
			F	03 27				
Mar. 9 51	S:E	PPP	06 54.5	28	1.0		Δ aprox. 16.600km USCGS: 50°N 157°E H: 05h 39m 20s	
			07 04.1	37	0.7			
			L	10.1	67	0.7		12
			M	21.73	37	1.0		4
			F	49				
	S:N	PPP	06 55.0	16	0.3			
			07 02.4	27	0.4			
			L	09.3	33	0.5		4
			M	18.85	25	0.7		2
			F	51				
Mar. 14 52	S:E	SSP	09 26.0	18	0.8		Δ aprox. 11.600km USCGS: 16°S 179°W H: 08h 52m 36s	
		SSS?	29.8	15	0.7			
		L	41.7	52	0.7	6		
		LR	52.5	25	1.0	2		
		M	54.36	32	1.0	3		
		F	11 09					
		S:N	Indicios					
Mar. 22 53	S:E	P'	01.8	12	1.0		Δ aprox. 17.200km USCGS: 24°5N 95°E H: 23h 42m 05s x: > 180°	
			02.8	15	3.0			
		PP	05.3	20	3.4			
			06.6	27	3.0			
			10.5	33	8.0			
		SKKS	12.3	15	6.0			
			PPP _x	15.0	54	3.1		
		SS	17.0	17	3.5			
			SSS	24.9	13	6.3		
		LR	31.1	45	6.0			
			44.2	52	4.5			
		M	56.0	48	4.1	30		
			58.87	42	5.0	28		
		M	01 02.48	39	5.0	23		
F	26							

Marzo de 1954 Cont.

(4)

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Aparente	Abs.	
				h m	c.min	mm	μ	
30.22	M:E		Sin registro					
	M:N	P'	00	01.9	6	0.1		
				03.2	25	0.5		
		SKKS		12.25	10	0.8		
				17.1	20	0.2		
		SS		25.0	18:33	0.5;0.7		
		SSS?		30.4	46	0.3		
				44.5	86	0.8		
		L _R		54.9	46	0.4		
		M ^R		58.47	42	0.4		31
		F	01	58				25
30.22	S:E	L	07	45.0	26	0.5		
		M		47.81	26	0.8		1/2
		F	08	07				USCGS: 27°S 176°5W H: 06h 49m 05s
	S:N		Indicios					
30.22	S:E		10	28.1	26	0.6		
				29.9	39	0.9		
		L		33.8	52	0.5		4
		M		36.49	32	1.4		4
		F		47				
	S:N		Sin registro					
30.23	S:E		22	09.1	15	0.5		
				09.8	13	1.0		
		L		13.7	57	0.5		6
		M		16.32	13	2.9		4
		F		34				
	S:N		22	08.8	13	0.5		
				09.7	10	1.0		
		L		13.8	16	1.4		4
		M		16.32	13	1.5		4
		F		44				
30.28	S:E	L	13	23.0	57	0.5		
		M		25.63	26	1.0		6
		F		40				2
	S:N	L	13	23.0	39	0.2		1
		M		25.47	19	0.4		1
		F		41				
30.28	S:E	PP	20	58.5	23	0.5		
		PKS		59.7	13	0.9		
		SKKS	21	05.5	58	0.5		
		SS		17.0	32	1.0		
				26.3	39	0.5		
				40.4	32	0.7		
				44.8	32	0.7		
		L		48.8	62	0.7		10
		L _R		54.7	57	0.7		8
		M	22	01.87	29	1.6		4
		F		59				

Además
SKSP_x a
00h 20.9 T=20°C A=0.3

USCGS: 27°S 176°5W
H: 09h 38m 43s

USCGS: 500 millas
al NW de Easter
Island
H: 12h 58m 35s

Δ aprox. 15.300km
USCGS: 52°N 176°E
H: 20h 36m 22s

Fecha Numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
			h	m		Apparente mm	Abs. μ			
31.28	S:N	PKS	20	59.5	10	0.3				
			21	06.9	23	0.4				
		SS		17.0	29	1.0				
				43.8	45	0.4				
		L		51.5	32	1.0	5			
		L _R M _R F	22	00.74	32	0.9 1.1	4 5			
31.29	S:E	P	06	28.9	39	0.1		Δ approx. 9.800km. USCGS: 37°N 3°5W H: 06h 17m 05s h ≈ 600km		
		pP		31.0	19	3.3				
				34.3	13	1.5				
		SKS		38.3	23	11.5				
				39.9	13	15.0				
		SS		42.7	23	8.5				
		SSS		48.3	58	9.0				
				51.4	29	13.0				
		L		57.0	97	3.0	140			
		M	07	00.39	26	12.0	28			
		M		05.33	32	6.2	20			
		F	08	51						
		31.28	S:N	iP	06	28.94	6		i=+0.5;0.3	
				pP		31.1	16		2.0	
				34.5	10	2.5				
SKS				38.4	19	10.0				
S				38.8	23	1.0;4.5				
				40.0	26	12.5				
sS?				43.0	29	6.5				
SSS				48.0	32	4.5;8.0				
				51.6	32	10.0				
L				57.1	97	2.5	134			
31.28	M:E	M	07	00.39	39	6.0	38			
		M		07.49	26	4.0	14			
		F		08.48						
31.28	M:E	P	06	29.0	5	0.4				
		?		31.5	13	1.0				
				34.4	9	0.5				
		SKS		38.3	13	3.0				
		S		38.9	15	5.3				
		sS		42.7	12	0.5;1.2				
				47.8	30	0.4				
		L		51.5	14	1.1	7			
M	07	59.33	21	1.0	13					
31.28	M:N	P	06	28.9	5	0.5				
		pP?		31.2	8	0.5				
				34.3	12	0.8				
		SKS		38.3	14	5.0				
		S		38.8	15	14.0				
				40.0	9	2.5				
		sS?		42.9	24	1.0				
		SSS		48.0	38	0.6				
		L		51.6	23	1.8	30			
		M	07	00.16	29	0.7	20			
F		43								

Marzo de 1954 Cont.

(6)

Fecha y Número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
						Apparente	Abs.			
				h	m	c.min	mm	μ		
r.31 0	S:E	?	18	41.7	90		1.2			
		P'		44.5	53		0.9			
		PP		45.9	23		3.0			
				50.6	39		1.5			
		PS		55.7	26		8.0			
		SS	19	02.2	45		9.6			
		SSS?		05.8	58		2.7;4.5			
		L		13.6	70		3.0	57		
		LR		17.6	45		2.5	16		
		M		25.22	45		17.5	111		
		M		30.02	35		16.5	62		
		M		38.96	29		17.9	49		
		F	21	45						
			S:N	?	18	41.8	65		1.0	
			P'			44.6	45		0.6	
				50.8	32		0.9			
	PKKP?			55.4	39		0.6			
	SS	19	02.2	42		5.0				
	SSS?		05.7	26		1.2;4.0				
	L		12.6	97		2.0	107			
	LR		16.3	71		6.5	153			
	M		26.12	42		7.3	53			
	M		37.96	32		6.6	30			
	F	21	45							
	M:E	?	18	39.6	23		0.2			
	?			41.7	10		0.1			
	PP			45.9	10		0.3			
				50.7	20;15		0.1			
	PS			55.7	22		0.9;1.5			
	SS	19	02.2	64		1.2				
			05.2	22		0.4				
	SSS		06.9	37		0.5				
	L		12.7	43		0.5	30			
	M		25.57	43		1.7	103			
	M		33.66	28		1.7	41			
	F	20	54							
	M:N	PP	18	45.8	10		0.1			
		PKKP?		55.3	16		0.1			
		SS	19	02.1	25		0.5			
				05.2	31		0.2;0.5			
		L		12.4	61		0.4	55		
		LR		17.5	42		0.8	51		
		M		26.89	42		0.5	32		
		M		36.20	30		0.5	15		
		F	20	48						

Δ aprox. 13.200km
USCGS: 13°51'N 88°25'E
H: 18h 25m 43s

LA PLATA REPUBLICA ARGENTINA
OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Abril 1954

Constantes

S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s0$	$T_s = 13^s0$	$k = 122$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 15^s6$	$T_s = 15^s6$	$k = 58$
M:E	$\xi = 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\xi = 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\xi = 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

Fecha y numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
						Aparente	Abs.		
				c.min		mm			
Abr.6 61	S:E	L	14	32.5	45	0.4	3		
		M		37.48	39	1.5	7		
		F		45					
	S:N	L	14	33.2	52	0.5	6		
		M		37.67	32	0.9	4		
		F		45					
Abr.6 62	S:E	SKS?	15	01.7	26	0.6		Δ aprox. 13,800km BCIS: 28°N 54°E H: 14h 35m 09s $x \Delta > 180^\circ$	
		PKKP		03.8	48	0.7			
		PPS		07.4	74	1.1			
		SKKS _x		11.4	52	0.9			
				13.9	39	2.5			
				19.4	42	2.2			
	L		27.7	90	1.5	57			
		M		32.38	32	1.0	3		
		F		38					
	S:N	SKS?	15	01.7	81	0.9			
				04.2	90	1.4			
		PS?		05.6	82	0.9			
		PPS		07.4	32	0.5			
				11.2	39	1.0			
		SSP		13.3	71	0.5			
			18.7	52	0.7				
L			27.7	45	0.5	4			
M			32.44	32	1.0	5			
F		35							
Abr.8 63	S:E	P	16	48.9	23	0.4		Δ aprox. 5,550km USCGS: 23°S 116°W H: 16h 39m 52s	
		PPP		51.7	29	2.0			
		S?		56.3	30	3.5			
		ScS?		58.7	34	1.0			
		L	17	03.8	84	0.9	31		
	M		07.22	23	12.0	24			
	M		10.70	19	6.4	11			
	F		18.00						

Abril de 1954 Cont.

(2)

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones	
					Aparente	Abs.		
			h m	c.min	mm			
Abr. 8 63	S:N	PcP?	16 47.9	65	0.5			
			49.8	26	0.4			
		PPP	51.7	32	1.0			
			52.7	8	0.5			
		S?	56.5	26	0.9			
		ScS?	58.6	19	0.5			
		L	17 01.7	87	1.6	64		
		M	03.47	35	3.5	18		
		M	09.96	19	3.1	9		
	F	18.00						
	M:E	PcP?	16 49.5	7	0.2			
				52.4	10	0.3		
				56.5	13	0.5		
		S?	17 01.3	10	0.2			
			L	03.0	48	0.5	38	
M			07.14	30	1.3	36		
F	18 02							
M:N	PcP?	16 49.8	8	0.2				
			52.3	8	0.2			
	L	17 02.5	40	0.4	23			
		M	09.46	20	0.5	6		
F	18 03							
Abr. 11 64	S:E	L	04 10.0	32	0.6	2		
		M	20.82	19	0.4	1	USCGS: 7°S 155°E	
		F	48				H: 03h 03m 03s	
	S:N	L	04 10.2	45	0.5	4		
		M	20.83	23	0.7	2		
		F	47					
Abr. 11 65	S:E	L	05 46.0	30	0.6	2	Δ aprox. 1.300km	
		M	48.70	16	1.7	3	USCGS: 26°5S 68°5W	
		F	06 11				H: 05h 40m 03s	
	S:N	L	05 46.0	23	0.4	1		
		M	48.70	10	1.5	5		
		F	06 09				h: 150km	
	M:E	iP	05 42.99	6	i=-03: 0.6			
				43.9	7	0.4		
				45.6	12	0.4		
		SSS	L	46.1	13	0.5	3	
			M	47.65	10	0.6	3	
			F	06 03				
M:N	iP	05 43.00	6	i=+0.2: 0.07				
			45.6	10	0.2			
	SSS	L	46.1	15	0.4	3		
		M	48.74	9	0.7	4		
		F	06 01					
Abr. 11 66	S:E	L	11 00.2	39	1.2			
			11.3	52	0.8			
		L	21.5	57	1.2	13	USCGS: 11°N 57°E	
		L ^R	25.3	35	1.8	7	H: 10h 25m 21s	
		M	31.05	32	3.8	12		

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
			h m	c.min	mm	µ	
br.11 66	S:N		10 59.8 ✓	45	0.5		
			11 11.8 ✓	71	1.0		
		L	20.7 ✓	45	1.0	8	
		LR	25.7 ✓	35	1.2	6	
		MF	37.73 ✓	29	1.2	5	
		F	12 15				
M:E y M:N indicios debiles.							
br.13 67	S:E	iP	07 38.70	6	i=-4.8;6.2		Δ aprox. 1.100km USCGS: 27°5S 66°W H: 07h 36m 23s h 200km
		S	40.6 ✓	13	3.8		
		L	41.5 ✓	6	4.0	8	
			43.6 ✓	19	2.8	5	
			44.2 ✓	13	6.8	10	
	S:N	iP	07 38.70	6	i=+2.1;3.0		
		S	40.4 ✓	6	3.8		
			40.9 ✓	6	2.2		
		L	41.4 ✓	6	3.4	15	
			43.2 ✓	32	3.2	15	
		MF	43.88	13	6.8	19	
		F	08 18				
M:E	iP	07 38.70	8	i=-1.4;2.4			
	S	40.5 ✓	9	0.9;2.0			
	L	41.1 ✓	23	1.4	21		
		42.18 ✓	10	4.3	22		
			F	08 09			
M:N	iP	07 38.69	6	i=+1.2;1.8			
	S	40.5 ✓	8	3.0			
	L	41.2 ✓	22	1.5	23		
		42.29 ✓	15	3.1	22		
		43.76 ✓	11	3.4	19		
		F	08 03				
W:Z	iP	07 38.70	4	i=-0.1;0.2			
	S	40.6 ✓	3	0.2			
	L	41.3 ✓	16	0.5	65		
		41.98 ✓	6	0.8	12		
			F	50			
br.14 68	S:E	L	08 00.8	10	0.2	1	USCGS: 22°5S 70°W H: 07h 54m 24s
		MF	04.56	10	1.9	3	
			19				
	S:N	L	08 01.8	10	0.2	1	
		MF	04.50	10	1.0	3	
			13				
	M:E	L	08 00.3	65	0.2	29	
		MF	03.67	15	0.5	3	
			24				
	M:N	L	08 00.5	39	0.1	5	
		MF	03.11	12	0.6	3	
			21				

Abril de 1954 Cont.

(4)

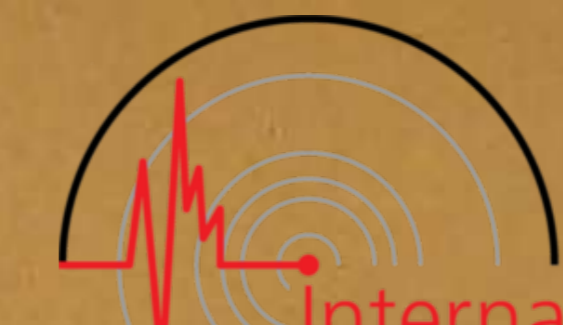
Fecha y numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
						Aparente	Abs.			
			h	m	c.min	mm	μ			
Abr.17 69	S:E	PP	20	32.5	13	0.6			Δ aprox. 15.000km USCGS: 51°5'N 179°W H: 20h 10m 37s	
		PKS		33.4	19	1.9				
		PPP		35.6	26	0.8				
				38.5	23	1.5				
		PPS		44.8	19	1.0				
		L		21	08.1	42	0.9	5		
			LR		17.6	42	1.4	8		
			M		22.21	32	4.4	14		
			F		23	00				
	S:N							Galvanómetro desconectado		
M:E	?	PKS	20	26.5	10	0.3				
				33.5	12	0.1				
				36.5	12	0.1				
				37.9	10	0.2				
		PPS		44.8	12	0.1				
		L		21	08.4	38	0.1	5		
			LR		17.2	15	0.3	2		
			M		22.32	29	0.5	13		
			F		22	03				
M:N	PP		20	32.6	10	0.1				
				38.0	9	0.2				
	PPS			44.8	10	0.2				
			L	21	08.6	59	0.1	13		
			M		22.64	25	0.3	6		
			M		41.35	33	0.3	11		
			F		22	04				
Abr.25 70	S:E	?	00	36.1	10	0.5			Δ aprox. 5.800km USCGS: 0° 15°5'W H: 00h 27m 54s NOTA Constantes: Desde el 21 de Abril ver al final del mes	
		P		37.1	19	0.9				
		PP		39.2	16	0.9				
				40.8	19	0.9				
				43.2	19	0.6				
		S	SS		44.3	23	1.0			
				48.7	19	1.1				
			L		51.8	57	1.1	11		
			LR		54.5	26	1.4	3		
			M		57.73	26	2.8	6		
	M		01	09.40	19	1.9	3			
		F		43						
S:N		P	PP	00	37.0	19	0.4			
					39.3	19	0.4			
				43.4	6	0.2				
	S	SSS		44.3	26	1.2				
				49.6	58	1.0				
			LR		52.6	32	1.4	4		
		M			58.95	23	1.8	4		
	F		01	09.39	26	1.4	3			
				42						

Abril de 1954 Cont.

(5)

Fecha y Numero	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
			h m	c.min	mm	"	
r.26 1	S:E	L	17 46.6	10	1.0	1	
		M	47.20	16	2.8	4	
		F	52				
	S:N	L	17 45.7	13	0.8	1	
		M F	46.51 51	10	4.5	9	
M:E	L	17 44.5	60	0.3	36		
	M F	46.78 55	10	1.8	9		
M:N	L	17 44.3	38	0.2	10		
	M F	46.73 57	10	2.6	14		
W:Z	L	17 44.7	10	0.1	5		
	M F	46.80 18.00	7	0.7	15		
r.27 2	S:E	iP	10 14.94	6	$i=+2.0; 2.8$		Δ aprox. 5.200km USCGS: 6°N 82°5W H: 10h 06m 24s
		PP	16.9	13	0.9		
		S	21.7	23	7.0		
		SS	25.3	26	3.5		
		L	27.7	32	4.5	13	
		L ^R	32.7	45	4.5	26	
	S:N	M ^R	37.21	26	12.5	27	
		F	11 18				
		iP	10 14.94	6	$i=-3.0; 2.2$		
		PP	16.8	23	2.2		
		PPP	17.5	29	1.2		
		S	18.9	32	1.2		
	M:E	S	21.7	10	4.0		
		SS?	25.5	29	4.9		
		L	27.5	45	5.8	26	
		L ^R	31.7	29	6.2	15	
		M ^R	36.04	32	13.0	34	
		F	11 18				
	M:N	iP	10 15.96	8	$e=+0.1; 0.8$		
		PP	16.9	10	0.5		
		S	21.7	25	0.8		
		SS?	25.5	25	0.4		
L		27.6	36	0.5	20		
L ^R		33.3	34	0.6	22		
M:N	M ^R	37.38	23	1.1	17		
	F	En el cambio de bandas					
	iP	10 14.94	6	$i=-0.1; 1.0$			
	PP	16.9	7	1.0			
	S	21.9	23	1.2			
	SS?	25.5	25	0.5			
M:N	L	27.9	30	0.7	21		
	L?	30.4	44	0.5	35		
	L ^R	33.9	37	0.9	43		
	M ^R	37.66	25	1.5	30		
	F	En el cambio de bandas					

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Aparente	Abs.	
			h	m	c.min	mm	μ	
Abr. 27 73	S:E		21	34.7	26	1.0		Δ aprox. 9.600km USCGS: 56°S 147°E H: 21h 21m 35s
		PPP?		41.5	35	0.8		
		SKS		44.8	13	0.9		
		PPS		46.5	23	1.2		
		SS		50.7	32	2.0		
		SSS		54.4	48	1.0		
		L		59.2	52	2.0	16	
		LR	22	05.8	29	1.8	5	
		MR		12.24	26	1.6	3	
		MF		18.33	26	1.9	4	
			58					
	S:N		21	34.9	16	0.5		
		PPP?		41.4	26	1.0		
		SKS		44.7	19	0.8		
		PS		46.1	26	1.4		
				50.2	32	1.0		
		SSS		54.6	35	0.8		
		L	22	01.1	45	1.2	5	
		LR		05.9	39	1.8	6	
		MR		11.70	26	2.5	5	
		MF		17.95	26	2.5	5	
		58						
M:E	L	21	59.1	50	0.7	58		
	M	22	12.12	23	0.3	5		
	F		46					
M:N	L	21	59.9	43	0.1	7		
	M	22	11.87	26	0.2	4		
	F		45					
Abr. 29 74	S:E	eP	11	01.8	45	2.8		Δ aprox. 9.200km USCGS: 29°5'N 112°5'W H: 10h 49m 27s
				04.4	29	3.0		
		PP		05.1	32	3.0		
		PPP?		07.5	39	3.0		
				08.4	35	1.8		
		S		11.9	19	2.0		
		PPS		13.3	19	1.2		
		SS?		16.7	32	1.2		
		SSS		21.1	32	1.9		
		L		23.7	42	4.5	22	
		LR		25.9	35	2.2	8	
		M		38.75	32	7.5	22	
		F		Confundido con el siguiente				
		S:N	eP	11	01.8	45	1.5	
				04.2	52	2.0		
	PP			05.1	35	1.5		
	PPP?			07.4	35	1.4		
	S			12.1	45	2.2		
	PPS			13.3	35	2.4		
	SS?			16.7	32	2.6		
	SSS			20.9	32	1.6		
L			23.7	45	6.2	28		
LR			26.4	35	3.1	9		
M		38.82	35	12.2	37			
F		Confundido con el siguiente						



Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
			h	m		c.min	mm		Aparente	Abs.
Abr. 29 74	M:E		10	59.4	6		0.4			
			11	03.5	21		0.7			
				05.5	21		0.5			
		S		12.2	16		0.4			
		L?		21.9	23		0.3	6		
		LR	En el cambio de bandas							
		M		38.89	33		0.8	27		
		F	Confundido con el siguiente							
		M:N		10	59.8	7		0.3		
			11	12.1	16		0.3			
			PPS		13.5	27		0.3		
					15.1	23		0.3		
					17.5	19		0.3		
			L		22.2	44		0.6	42	
			LR	En el cambio de bandas						
			M		38.61	32		1.1	39	
			F	Confundido con el siguiente						
		W:Z	Indicios muy débiles							
	Abr. 29 75	S:E	PcP	11	47.4	26		1.2		
			PP		50.3	26		4.5		
PPP				52.5	29		3.9			
SS?			12	02.4	26		2.4			
				04.9	26		3.0			
		L		08.9	39		3.9	17		
		LR		13.5	58		3.2	34		
		M		15.98	42		4.5	22		
		M		25.44	29		5.2	13		
		F	13	25						
		S:N	PP	11	50.2	42		2.5		
					53.9	32		3.2		
			S		57.2	19		2.5		
			PPS		58.4	29		2.0		
			L	12	08.6	65		3.4	34	
	LR		13.2	26		2.8	6			
	M ^R		16.27	39		4.0	14			
	M		23.98	39		9.0	32			
	F	13	25							
	M:E	S	11	51.8	23		1.0			
				57.4	30		0.7			
				59.9	26		0.6			
		L	12	08.7	44		0.6			
		LR		13.6	38		0.6	28		
	M ^R		23.93	26		0.7	14			
	F	13	19							
	M:N	S	11	51.9	25		0.5			
				53.8	38		0.5			
				57.3	17		0.7			
				59.5	28		0.5			
		L	12	09.0	52		0.5	49		
	LR		13.6	40		0.5	28			
	M		23.91	32		0.8	28			
	F	13	21							
	W/Z	Nada								

Δ aprox. 9.200km
USCGS: 29°5'N 112°5'W
H: 11h 34m 34s

Abril de 1954 Cont.

(8)

Fecha y numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Aparente	Abs.	
						mm		
Abr. 30 76	S:E	?	13	15.9	26	1.5	Δ aprox. 11.600km USCGS: 39°5'N 22°E H: 13h 02m 36s x: $\Delta > 180^\circ$	
		PP		21.0	39	1.2		
		PPP?		22.9	42	2.3		
		iSKS		27.48	16	$i=-1.0; 4.5$		
		PS?		29.9	39	4.0		
		PPS?		31.7	32	2.2		
		SS?		36.5	58	1.8		
		PPPx		39.7	39	2.2		
		L		47.9	71	1.8		33
		LR		58.0	39	2.0		9
		M	14	02.80	32	6.0		18
		F		40				
	S:N	?	13	15.8	26	1.4		
		P		16.7	26	2.0		
		PP		20.9	32	2.0		
		PPP?		22.8	48	1.5		
		SKKS		27.54	23	4.2		
		PS		29.9	39	4.8		
		PPS?		31.8	19	0.9		
		SS?		36.3	19	1.0		
		L		47.8	45	2.5		11
		LR		55.9	45	2.8		13
		M	14	00.48	39	7.0		25
		F		15.70	48	7.5		39
	M:E	e	13	15.7	10	0.3		
		i		15.9	7	$i=+0.9; 0.5$		
		P		16.9	10	0.3		
				22.3	10	0.4		
		PPP		23.3	15	0.2		
		SKS		27.2	15	0.7		
		PS?		29.9	20	0.3		
		L		48.1	35	0.4		16
		LR		57.5	32	0.5		16
M		14	02.84	30	0.6	17		
F			12.06	23	0.6	9		
M:N		i	13	27.39	18	$i=-1.0; 0.8$		
	PS		30.3	15	0.3			
			35.4	31	0.3			
	L		48.5	45	0.3	22		
	LR		56.2	36	0.4	18		
	M	14	00.20	40	0.6	29		
	M		05.66	35	0.7	29		
	F		42					

Abril de 1954 Cont.

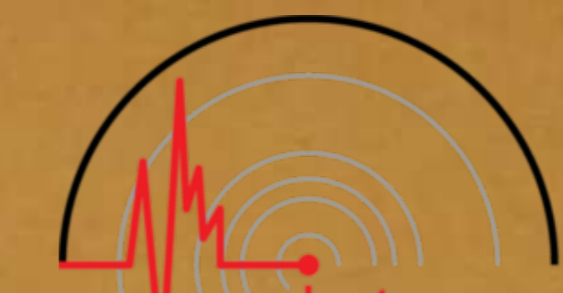
(9)

Estación	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Apparente	Abs.	
			h	m	mm			
r.30 7	S:E	PPP	2	23	16.6	10	0.7	Δ aprox. 5.800km USCGS: 0°5 N 129°W H: 23h 04m 30s
					17.5	13	0.8	
		S	20.1	15	0.9			
			20.8	37	2.5			
			22.5	33	1.8			
			24.5	30	0.9			
	L	25.8	20	1.1				
		28.2	32	1.8				
	M	35.38	19	2.4	5			
		39.74	26	3.0	4			
	F	24	00		6			
S:N	PP	23	16.1	6	0.5			
				16.8	8		0.5	
	S	17.5	12	0.5				
		19.9	10	0.4				
		20.8	29	2.0				
		22.5	20	1.0				
	SS	24.5	45	1.0				
		25.9	56	0.8				
	L	28.4	61	1.2	10			
		35.40	20	2.1	4			
	M	39.72	27	2.6	6			
		24	03					

CONSTANTES

Desde el 21 de Abril hasta el 30 de Noviembre

S:E $L_r = 23.7\text{cm}$ $A = 100.0\text{cm}$ $T_{gg} = 13^s2$ $T_s = 13^s2$ $k = 126$
 S:N $L_r = 25.9\text{cm}$ $A = 100.0\text{cm}$ $T_{gg} = 16^s8$ $T_s = 16^s8$ $k = 76$



LA PLATA REPUBLICA ARGENTINA
International Centre

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Mayo 1954

Constantes

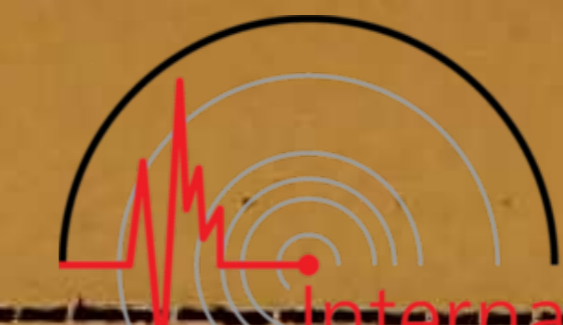
S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s2$	$T_s = 13^s2$	$K = 126$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 16^s8$	$T_s = 16^s8$	$K = 76$
M:E	$\epsilon = 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\epsilon = 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\epsilon = 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
			h m	c.min	mm	μ	
May. 2 78	S:E	?	18 03.1	23	1.2		Δ aprox. 15.600km USCGS: 4°N 94°5E H: 17h 48m 02s
		?	27.8	32	0.9		
		L	57.4	39	1.0	4	
		M	06.87	26	1.0	2	
	S:N	?	18 03.2	16	1.0		
		PSS	29.8	32	0.6		
		SSS	33.8	32	0.4		
		L	53.0	32	0.5	1	
		M	19 02.12	26	0.8	2	
		F	20 05				
May. 3 79	S:E	SKSP	16 03.5	32	0.5		Δ aprox. 16.500km USCGS: 51°5N 159°5E H: 15h 29m 40s x: > 180°
		SKSP? x	09.2	19	0.5		
		SS	12.2	32	0.8		
			18.3	26	0.8		
			21.7	26	0.9		
	S:N	L	45.3	39	1.0	4	
		M	47.37	32	2.0	6	
		F	17 56				
		SS	16 12.1	35	1.0		
			16.9	29	0.6		
May. 4 80	S:E	L	19 29.3	32	0.9	3	
		M	31.57	13	2.2	3	
		F	42				
	S:N	L	19 28.0	32	1.0	3	
		M	30.07	32	1.5	4	
	F	41					

En M:E y M:N indicios muy débiles



Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
			h m	c.min	mm	μ	
May.5 81	S:E	L	2 13 59.9 ✓	39	0.9	4	Δ aprox. 8.700km USCGS: 27°5'N 112°30' H: 13h 09m 46s
		M	4 14 02.75 ✓	26	1.9	4	
		F	29				
	S:N	L	3 14 00.4 ✓	32	1.0	3	
		M	6 14 14.00 ✓	26	1.1	2	
		F	29				
	M:E	L	5 13 59.7 ✓	30	0.3	8	
		M	5 14 02.83 ✓	24	0.3	5	
		M:F	19				
		M:N	Indicios débiles				
May.13 82	S:E	P	1 14 56.9 ✓	26	1.4	Δ aprox. 6.900km USCGS: 17°N 95°5'W H: 14h 46m 38s h ~ 100km	
		PcP	2 57.7 ✓	32	2.9		
		PP?	4 59.7 ✓	26	1.1		
		PPP	5 15 00.4 ✓	13	1.2		
		PcS	6 01.8 ✓	29	0.9		
		S	8 05.3 ✓	32	1.2		
		PPS?	9 06.2 ✓	32	2.5		
			10 07.2 ✓	19	2.2		
			12 09.7 ✓	32	2.4		
			14 12.1 ✓	26	1.9		
	L		17.1 ✓	65	2.5	36	
		M	17 24.08 ✓	23	2.5	5	
		F	39				
	S:N	P	1 14 56.9 ✓	13	1.5		
		PcP	3 57.8 ✓	26	1.8		
		PcS?	7 15 02.1 ✓	26	1.0		
		S	11 05.3 ✓	26	2.3		
			13 07.3 ✓	23	1.6		
		SS?	13 10.1 ✓	26	2.4		
			15 15.0 ✓	26	1.8		
L		17 18.1 ✓	65	1.6	16		
M		17 25.05 ✓	39	4.2	15		
F		39					
May.14 83	S:E	P?	23 00.2	16	1.7	Δ aprox. 18.600km USCGS: 36°N 137°E H: 22h 39m 25s h ~ 250km x: > 180°	
		PP	04.0	23	1.6		
		PKKP?x	10.4	13	3.5		
			14.3	42	4.5		
			16.3	13	2.0		
		SKSP x	18.2	16	1.5		
		SS	24.6	16	1.6		
		L	24.9	35	1.4		5
			26.5	23	2.6		4
		M	33.6	35	1.2		4
	F	24 37					
	S:N	P?	23 00.0	13	0.5		
		PP	04.0	19	1.0		
		PKKP	10.0	23	1.0		
		SKKKS?	12.2	13	0.6		
			12.9	26	1.1		
			16.0	13	1.0		
		SKSP?x	17.8	13	1.1		
			19.1	29	1.4		
		SS?	24.4	26	1.0		
L		25.3	58	2.5	16		
M	33.6	27	1.5	4			
F	24 15						



Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m		Apparente	Abs.	
					c. min	mm		
May. 14 83	M:E	PP	23	03.8	10	0.5		
		PKKP		10.0	12	0.4		
				14.3	23	0.4		
		SKSPx		18.0	25	0.3		
		SS		24.7	37	0.2	9	x: Δ > 180°
		L		25.9	23	0.4	6	
		M		27.27	23	0.7	10	
	F		24	01				
	M:N	Sin registro						
May. 15 84	S:E	L	23	24.3	6	1.2		
		M		24.8	13	1.2	2	
		F		25.01	10	3.5	5	
			49					
S:N	L	23	24.4	6	0.9			
	M		24.9	16	0.5	1		
	F		25.01	6	2.2	6		
			39					
M:E		23	18.0	22	0.3			
			21.4	10	0.7			
	L		22.8	30	0.2	5		
	M		24.99	12	1.4	7		
	F		44					
M:N	L	23	18.2	15	0.3			
	M		22.9	32	0.3	10		
	F		25.02	10	1.6	9		
			43					
May. 18 85	S:E	L	05	25.4	42	1.8	9	Δ aprox. 3.100km USCGS: 10°55S 75°5W H: 05h 11m 05s
		M		25.95	39	1.5	6	
		M		29.92	23	2.0	4	
		F		59				
S:N	L	05	26.7	32	1.0	3		
	M		27.92	26	1.8	4		
	M		34.94	16	1.2	2		
	F		59					
M:E y M:N indicios débiles								
May. 29 86	S:E	P	14	59.9	10	4.5		Δ aprox. 1.100km USCGS: 35°S 69°W H: 14h 57m 36s h ~ 150 km
		S	15	01.7	13	1.5		
		M		04.81	13	4.0	6	
	F		28					
S:N	S	15	01.2	10	0.9			
	M		01.8	13	1.2			
	F		04.93	19	3.8	7		
			28					
M:E	iP	15	00.00	8	i=-1.2; 1.4			
			00.5	10	0.7			
	S		01.8	8	0.5			
	L		02.3	20	0.7	8		
	M		03.91	15	1.1	7		
	F		27					

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
			h m	c.min	mm	μ	
May. 29 86	M:N	eP	14 59.9	6	0.3		
		S	15 01.8	12	0.7		
		L	02.5	22	0.6	9	
		M F	Ilegible 23				
May. 31 87	S:E	SKKS x	16 23.3 ✓	26	0.8		Δ aprox. 15.300km USCGS: 8°S 118°5E H: 15h 48m 33s h ~ 150 km x: Δ > 180°
		SS?	29.0 ✓	32	0.5		
			30.9 ✓	39	0.5		
			32.9 ✓	32	0.9		
	L		46.1 ✓	32	1.0		
		M F	17 01.4 ✓	26	0.6	1.4	
			11.32 ✓	29	1.5	4	
			18 08				
	S:N		16 21.0 ✓	16	1.2		
		PPS	22.9 ✓	19	1.7		
		SS?	28.8 ✓	32	1.0		
		L	59.1 ✓	45	1.0	5	
	M:E		17 06.43 ✓	35	1.0	5	
		M F	18 18				
M:E		17 02.1 ✓	36	0.2	8		
	L M F	11.92 ✓ 38	22	0.2	3		
M:N		17 01.1 ✓	38	0.2	10		
	L M F	10.5 ✓ 39	31	0.3	10		

LA PLATA REPUBLICA ARGENTINA
OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

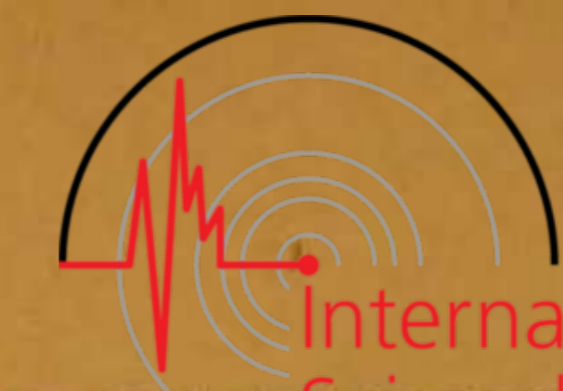
Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Junio 1954

Constantes

S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s2$	$T_s = 13^s2$	$K = 126$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 16^s8$	$T_s = 16^s8$	$K = 76$
M:E	$\epsilon = 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\epsilon = 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\epsilon = 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

cha y mero	Comp.	Fase	Hora	Per.	Amplitud		Observaciones	
					Aparente	Abs.		
			h m	c.min	mm	μ		
n.1 8	S:E	PPP	20	39.5	26	1.5		Δ aprox. 3.000km USCGS: 12°S 74°W H: 20 32m 38s
		PcP		41.8	16	1.2		
		S?		43.7	19	1.1		
				46.1	23	2.2		
		L		48.2	39	1.5	6	
	M		53.69	26	2.0	4		
	F	21	19					
	S:N	PPP	20	39.5	23	1.1		
		S?		43.6	26	1.5		
				46.2	23	1.0		
		L		48.3	35	1.2	4	
		M		54.31	19	1.4	2	
	F	21	18					
	M:E	S?	20	43.5	10	0.1		
L			49.0	34	0.2	7		
M			53.83	16	0.3	2		
F		21	15					
M:N	PcP	20	41.9	7	0.2			
	S?		43.4	14	0.2			
	L		48.3	38	0.2	10		
	M		54.05	16	0.2	15		
	F	21	15					
n.4 39	S:E	iP	06	59.18	10	$i=+0.7; 2.0$		Δ aprox. 5.000km USCGS: 0°5S 91°5W H: 06h 50m 42s
		PcP	07	00.9	10	0.6		
		S?		06.11	16	3.1		
		ScS		09.2	32	0.9		
		L		11.4	52	1.9	16	
		M		16.24	35	8.0	28	
		F	08	21.27	29	10.0	25	



Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones	
					Apparente	Abs.		
			h m	seg.	mm			
Jun. 4 89	S:N	iP	06 59.18	✓ 13	i=-0.8;2.0			
		PcP	07 01.0	✓ 19	0.5			
		S?	06.14	✓ 26	3.0			
		ScS	09.1	✓ 29	1.5			
		L	12.6	✓ 39	2.5		9	
		M	16.08	✓ 29	4.3		10	
		F	23.17	✓ 26	7.0		15	
	M:E	iP	06 59.20	✓ 10	i=+0.3;07			
		PPP	07 01.1	✓ 13	0.2			
		PcS	04.5	✓ 10	0.2			
		eS?	05.9	✓ 15	0.4			
		ScS	09.3	✓ 25	0.4			
		L	12.1	✓ 18;30	0.4;0.3		4y8	
		LR	15.7	✓ 28	0.6		14	
		M	21.27	✓ 22	0.8		11	
	M:N	M	31.00	✓ 21	0.7		9	
		F	08 15					
	Jun. 6 90	S:E	iP	06 59.21	✓ 9	i=-0.2;0.6		
			S?	07 05.8	✓ 23	0.4		
ScS			09.3	✓ 27	0.4			
L			12.1	✓ 35	0.2		8	
LR			15.2	✓ 25	0.5		10	
M:E		M	23.20	✓ 22	0.5		8	
		F	08 14					
S:N	P	17 07.8	16	0.5				
	PKS	10.0	13	0.5				
	SKS	13.8	16	1.0				
	SKKS?	17.1	16	0.5				
	SKSP	19.7	16	1.0				
	PS?	23.0	26	1.0				
	PSS	24.4	26	0.9				
		25.8	39	0.9				
		31.6	23	1.4				
		32.9	52	1.0				
	L	54.4	52	2.0		16		
	LR	59.9	45	2.2		13		
M:E	M	18 06.71	32	10.5		31		
	M	14.61	32	10.2		30		
	F	19 32						
S:N	Sin registro							
M:E		17 08.6	7	0.1				
		13.2	10	0.3				
	PKS	13.8	10	0.2				
	SKS?	16.8	14	0.1				
	SKSP	23.3	14	0.1				
	PPPx	24.9	15	0.3				
	SS	31.3	32	0.1				
	PSS?	32.5	22	0.1				
		40.1	33	0.1				
		42.5	36	0.2				
	L	50.7	43	0.2		12		
	LR	58.6	36	0.3		12		
M	M	18 06.73	34	1.4		51		
	M	14.71	27	1.0		22		
	F	19 17						

Δ approx. 15.500km
USCGS: 3°58' 136°5'E
H: 16h 50m33s

x: Δ > 180°

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
						Aparente	Abs.		
			h	m	c.min	mm	μ		
Jun.6 90	M:N	PP	17	12.9	10	0.1			
		PKS		13.7	10	0.5			
		SKSP		23.2	10	0.1			
		SSS		35.9	34	0.2			
		L		51.3	44	0.2	14		
		L ^R		58.2	42	0.3	20		
		M ^R	18	05.14	35	1.0	43		
		M		14.76	29	1.3	37		
F	19	27							
Jun.7 91	S:E	PP	10	36.5	19	0.8			Δ aprox. 14.450km USCGS: 3°5'S 152°5'E H: 10h 15m 33s h ~ 450 km
		PKS		36.8	13	2.0			
				37.5	13	3.0			
		PPP?		39.1	13	1.9			
				40.1	19	1.0			
		SKKS		42.6	19	1.6			
		PKKP		44.0	19	0.8			
		SKSP		47.6	16	1.4			
		PPS		48.7	16	1.6			
		PPP _x		49.6	19	0.9			
				51.0	26	0.9			
		SS		53.8	32	1.2			
				55.6	26	1.4			
		SSS		59.8	29	1.1			
		Interrumpido en el cambio de bandas							
S:N	S:N	PP	10	36.5	13	0.8			
		PKS		36.9	16	1.4			
				37.4	13	3.4			
		PPP?		39.1	10	1.2			
				40.1	13	1.2			
		SKKS		42.6	6	0.8			
		PKKP		44.1	19	0.5			
		SKSP		47.6	26	1.5			
		PPS		48.6	35	2.0			
				51.8	26	0.8			
		SS		53.5	19	0.6			
				55.6	26	1.0			
SSS		59.9	23	1.0					
		11 00.6	26	1.0					
Interrumpido en el cambio de bandas									
M:E	M:E	P ⁱ ?	10	34.7	9	0.2			
		PP		36.5	7	0.2			
		PKS		36.78	7	0.6			
				37.5	8	0.5			
		PPP _x		38.8	7	0.5			
		SKKS?		42.7	7	0.3			
		PKKP		44.1	8	0.3			
		PPP		49.6	34	0.3			
		55.6	30	0.3					
Interrumpido en el cambio de bandas									
M:N	M:N	PP	10	36.4	10	0.2			
		PKS		36.7	6	0.5			
		i		37.54	10	i=+0.4; 1.1			
		PPP		38.9	7	1.1			
		SKKS		42.6	18	0.5			
				46.4	10	0.2			
SS?		52.5	15	0.2					
		55.4	25	0.3					
Interrumpido en el cambio de bandas									

x: $\Delta > 180^\circ$

x: $\Delta > 180^\circ$



Fecha y número	Comp.	Fase	Hora	Por.	Amplitud		Observaciones	
					Aparente	Abs.		
			h m	c.min	mm	μ		
Jun.14 92	S:E	P	16 25.4	10	0.6		Δ aprox. 3.600km USCGS: Isla Sandwich del Sur H: 16h 18m 45s	
		PP	26.5	10	0.5			
		PcP	28.4	13	0.4			
		S	30.8	26	1.0			
		SSS?	32.9	13	0.6			
		L	34.6	32	0.9	3		
		M	46.69	23	1.5	3		
	S:N	P	16 25.4	10	0.4			
		PP	26.4	6	0.5			
		PPP	26.8	19	0.4			
		PcP	28.4	19	0.5			
		SS	32.4	19	0.9			
		L	32.9	32	0.5	1		
		M	46.69	32	1.2	3		
En M:E y M:N indicios débiles								
Jun.15 93	S:E	M		20	10.9	18	Falló inscripción horaria USCGS: 5°S 77°W H: 13h 29m 59s Tracción	
	S:N	M		18	7.1	14		
	M:E	M		14	2.1	13		
	M:N	M		12	1.3	7		
Jun.21 94	S:E		Fallaron Contactos de hora				USCGS: 23°S 68°W H: 01h 48m 44s h ~ 150 km	
	S:N		Fallaron Contactos de hora					
	M:E	iP	01 52.11	6	$i = -0.8; 1.4$			
			53.9	10	0.7			
		S	54.8	13	0.8			
		L	56.0	16	1.0	7		
	M		57.74	14	4.1	25		
F		02 26						
M:N	iP	01 52.10	5	$i = +0.8; 1.1$				
Las restantes fases ilegibles								
Jun.30 95	S:E	L	14 15.2	39	1.0	4	Δ aprox. 10.900km USCGS: 7°N 37°E H: 13h 26m 50s	
		LR	20.2	32	1.5	4		
		M	29.72	23	1.4	3		
		F	15 57					
	S:N		Registro muy perturbado					
			En M:E y M:N indicios débiles					

LA PLATA REPUBLICA ARGENTINA
 OBSERVATORIO ASTRONÓMICO DE LA UNIVERSIDAD NACIONAL
 BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Julio 1954

Constantes

S:E $l_r = 23.7\text{cm}$ $A = 100.0\text{cm}$ $T_g = 13^s2$ $T_s = 13^s2$ $K = 126$

S:N $l_r = 25.9\text{cm}$ $A = 100.0\text{cm}$ $T_g = 16^s8$ $T_s = 16^s8$ $K = 76$

M:E $\epsilon = 4.8$ $T = 8^s2$ $V = 154$ $r = 0.11\text{cm}$

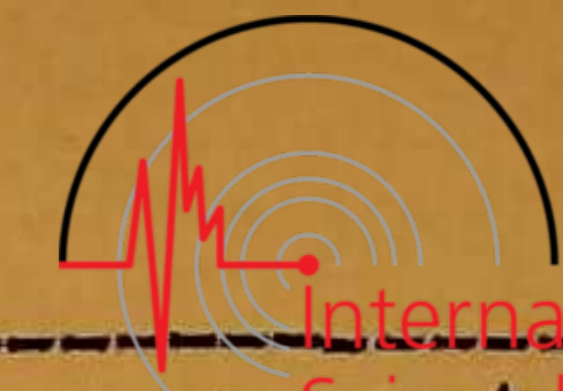
M:N $\epsilon = 4.6$ $T = 8^s1$ $V = 144$ $r = 0.10\text{cm}$

W:Z $\epsilon = 4.8$ $T = 2^s9$ $V = 80$ $r = 0.018\text{cm}$

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m		Aparente	Abs.	
jul. 2 95	S:E	P?	03	03.4	26	1.2		Δ aprox. 17.500km USCGS: 13°N 124°5E H: 02h 45m 08s
				07.4	32	2.0		
		PKS		08.5	13	1.9		
		SKS		12.0	42	0.9		
		PPP		12.9	13	0.9		
		SKKS		16.2	29	0.8		
				17.2	32	4.6		
		SKSP		19.6	23	1.0		
		SS?		28.6	19	1.5		
		PSS		30.0	26	1.6		
		SSS		36.0	29	1.2		
		L		52.3	42	0.9	4	
		LR	04	03.0	42	1.0	5	
		M		08.45	32	1.9	6	
		M		18.44	32	1.9	6	
F		57						
jul. 2 95	S:N	P?	03	03.6	19	0.9		
				07.5	26	2.9		
		PKS		08.5	19	2.6		
		PPP		13.0	32	1.0		
				16.9	32	1.5		
				23.9	26	1.9		
		SS?		28.6	26	1.9		
		PSS		30.0	32	1.7		
		SSS?		36.3	48	2.5		
		L		52.5	74	1.5	21	
		LR	04	03.9	52	1.8	11	
		M		11.31	39	1.9	7	
		M		17.63	32	2.5	7	
		F		05 02				

M:E y M:N sin registro

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m		mm	Abs.	
11.2 97	S:E	S	2	09 18.4	19	1.0		Δ aprox. 3,800km USCGS: 5°S 77°W H: 09h 06m 19s
		SSS	3	21.3	10	0.5		
		SoS	5	23.7	13	0.8		
		L	6	25.1	32	1.5	4	
	S:N	M	8	29.36	23	1.9	4	
		F		57				
		S	1	09 18.3	19	0.9		
		L	4	23.2	19	0.9		
	M	7	25.1	29	1.5	4		
	F	9	31.24	19	2.0	4		
			57					
11.3 98	S:E	L	3	01 10.5	26	0.5	1	USCGS: 3°5S 29°E H: 00h 32m 53s
		LR	4	14.2	19	0.5	1	
		M	7	16.46	39	1.4	6	
	F		37					
	S:N	SSS	1	01 05.0	19	0.8		
		L	2	09.3	35	0.9	3	
LR		5	14.2	26	0.8	3		
11.3 99	S:E	P	22	48.2	26	2.5		Δ aprox. 15,100km USCGS: 6°5S 106°E H: 22h 31m 28s
				51.6	26	2.5		
		PP?		53.8	32	2.5		
		PPP		57.1	32	1.4		
		SKS		58.3	48	2.9		
		SKKS	23	00.2	26	4.5		
		SKSP		04.4	13	1.4		
	PS		05.1	42	1.4			
	S:N	L		10.0	26	2.5		
		L		27.8	52	1.2	10	
		LR		33.6	35	2.0	7	
		M		41.61	35	5.3	19	
		F		57				
		P	22	48.4	29	2.8		
				51.6	26	2.8		
PP			53.5	16	0.9			
			54.1	26	4.0			
	PPP		57.1	32	1.6			
	SKS		58.2	29	2.7			
	SKKS	23	00.2	23	2.5			
	PS		05.1	29	1.9			
	SS?		11.1	19	3.6			
	PSS		13.3	45	1.8			
	L		28.7	35	1.4	4		
	LR		34.2	45	3.4	15		
	M		41.31	35	7.0	21		
	F		57					



International
Seismological
Centre

Fecha y hora	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		mm	μ		
1.3	M:E	P'	22	50.6	10	0.1			
			23	00.3	7	0.3			
				10.3	14	0.2			
		L	24	24.7	40	0.3	13		
			M	41.62	35	0.5	17		
			F	50.87	39	0.5	18		
	M:N	P'	22	50.7	6	0.2			
			23	00.2	10	0.5			
				03.4	16	0.3			
		L	24	10.1	10	0.2			
			M	11.1	22	0.5			
			F	24.3	41	0.2	12		
1.6	S:E	L	09	16.7	48	1.9	13		
			LR	22.0	35	1.9	7		
			F	31.74	29	3.9	10	USCGS: 46°5'N 153°5'E H: 08h 04m 42s	
		S:N	L	09	15.4	48	1.0	5	
				LR	20.7	39	1.5	5	
				M	32.03	32	2.4	6	
	S:E	SS	11	44.2	39	1.6			
			SSS	48.3	39	1.7			
			L	55.4	13	2.0	3	Δ aprox. 10.200km USCGS: 39°5'N 118°5'W H: 11h 13m 19s	
		S:N	L	12	06.37	32	3.0	9	
				LR	57				
				M	57				
S:E	L	11	54.4	58	1.8	14			
		LR	58.4	45	1.5	7			
		M	08.59	45	3.0	14			
	S:N	L	12	10.82	39	4.0	14		
			LR	57					
			M	57					
1.10	S:E	iP	16	03.79	11	i=+2.1;6.7		Δ aprox. 1.400km USCGS: 38°S 73°5'W H: 16h 00m 40s	
			eS	06.2	6	0.9			
			S	06.7	10	2.0			
		L	07.1	20	3.0	5			
			M	Ilegible					
			F	54					
	S:N	P	16	03.8	10	0.5			
				04.5	10	1.0			
			iS	06.26	10	i=+3.0;1.5			
		L	07.2	15	1.6				
			M	08.1	27	14.0	2		
			F	54			35		

Julio de 1954 Cont.

(4)

Fecha y hora	Comp.	Fase	Hora		Per.	Amplitud		Observaciones			
						Aparente	Abs.				
						mm	μ				
1.10 2	M:E	iP	16	03.78	6	i=+0.2;2.2					
		eS		05.2	5				0.7		
		eL		06.2	10				0.6		
		M		07.1	20				1.1		
		F			07.92	8	5.4	13			
					47			30			
			M:N	iP	16	03.80	7	i=-0.2;1.1			
				S		06.3	8				0.8
		F	LL		07.2	16	0.8	6			
			LR		07.5	9	2.0	11			
			M		07.89	6	6.0	37			
			F		40						
1.13 3	S:E	L	09	06.1	29	0.5	1	USCGS: 3°S 151°E H: 08h 04m 44s			
		LR		15.0	35	0.9	3				
		M		22.88	32	1.0	3				
		F		56							
		S:N	L	09	06.7	39	0.9	3			
			LR		13.7	29	0.8	2			
			M		21.49	26	1.2	2			
			F		56						
	1.15 4	S:E	PPP?	00	53.2	39	0.6		Δ aprox. 11.700km USCGS: Islas Samoa H: 00h 34m 32s		
			PS	01	02.3	42	0.9				
			L		17.5	39	0.4			2	
			M		27.98	16	1.0			1	
		S:N	PPP	00	53.7	26	0.5				
			PS?	01	01.7	32	0.8				
			L		17.6	45	0.8			4	
			M		26.69	32	0.5			1	
1.18 5		S:E	PPP	09	36.4	13	0.4		Δ aprox. 18.300km USCGS: 35°5'N 140°5'E H: 09h 07m 44s x: $\Delta > 180^\circ$		
					38.1	13	0.9				
			SKSP x		45.8	23	1.2				
			SS		53.0	26	0.8				
		F	PSS		54.4	26	0.7				
			SSS	10	00.2	19	0.8				
			L		25.5	39	0.8				
			LR		31.7	35	0.7				
		F			34.50	32	1.0	3			
					56			2			
			S:N	SS	09	52.9	29	0.5			2
				L	10	27.2	39	0.5			1
	F	LR		32.1	23	0.4	1				
		M		42.86	32	0.6	2				
1.19 6	S:E	L	02	20.2	16	0.6	1	USCGS: Antofagasta Chile H: 02h 15m 16s			
		M		24.54	19	1.1	2				
		F		46							
		S:N	L	02	20.4	19	0.2	1			
			M		23.71	26	1.5	3			
			F		46						

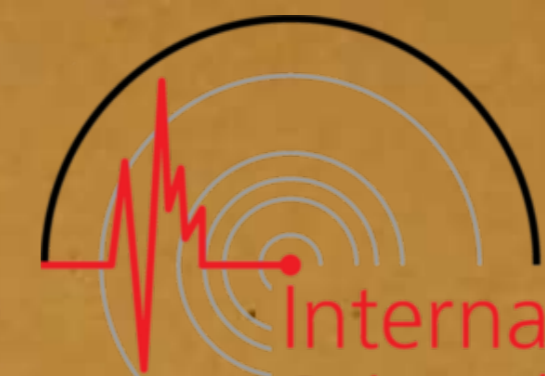
Julio de 1954 Cont.

(5)

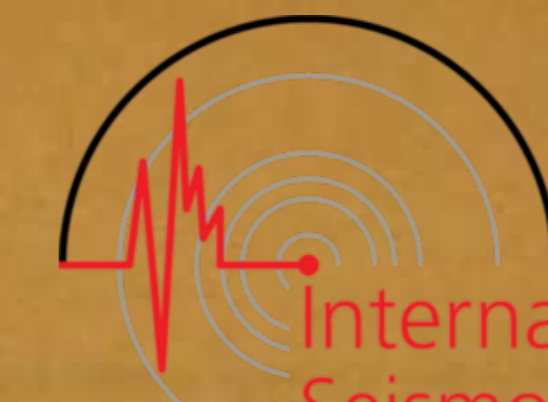
Estación y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		Aparente	Abs.		
					c.min	mm	μ		
1.20 7	S:E	L	02	14.7	39	0.6	3		
		M F		18.92 41	13	1.0	1		
	S:N	L	02	15.0	39	0.8	3		
		M F		21.87 41	19	1.0	2		
En M:E y M:N sin registro									
1.23 3	S:E	iP	04	36.49	3	i=-1.1;4.0		Δ aprox. 1.350km USCGS: 30°55'S 71°5'W H: 04h 33m 30s	
		L F		39.2 06.31	Luego ilegible				
	S:N	iP	04	36.49	3	i=+0.1;2.0			
		L? F		38.6 06 31	Luego ilegible				
	M:E	iP	04	36.50	6	i=-0.3;2.2			
		iS		38.72	8	i=-2.4;7.0			
		L		39.3	6	10.0			38
		M F		40.49 05 12	8	43.3			63
	M:N	iP	04	36.51	5	i=+0.2;1.5			
		iS		38.70	6	i=+3.0;11.5			
		L		39.3	6	13.0			39
		M F		40.87 05 13	5	41.0			58
1.26 9	S:E	L	08	52.7	19	1.0	2		
		M F		56.44 09 46	29	3.5	9		
	S:N	L	08	52.1	26	1.5	3		
		M F		54.92 09 46	32	2.5	7		
1.26 0	S:E	iP	20	19.07	19	i=+7.0;5.0		Δ aprox. 1.550km USCGS: 41°S 73°W H: 20h 15m 45s	
		F		Luego ilegible 21 56					
	S:N	iP	20	19.07	13	i=+6.0;10.5			
		S?		21.4	6	3.0			
		F		Luego ilegible 21 56					
	M:E	iP	20	19.07	6	i=+3.0;8.4			
		iS		21.77	10	i=-11.5;12.9			
		L		22.8	15	6.0			39
		M F		23.19 21 15	10	24.0			124
	M:N	iP	20	19.08	5	i=+1.8;7.6			
		S?		21.5	10	12.5			
		L		22.6	13	11.0			64
		M F		23.16 21 17	10	24.0			132

cha y. mero	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Apparente	Abs.	
			h m	c.min	mm	μ	
1.29 1	S:E	L	04 59.1	13	0.9	1	USCGS: 49°5'N 158°E H: 03h 34m 20s
		M F	05 11.78 41	16	0.9	1	
	S:N	L	04 59.1	58	0.5	4	
		M F	11.41 41	39	1.4	5	
1.30 2	S:E	i?	08 53.52	6	i=-3.2;1.6		Δ aprox. 3.550km USCGS: 35°5'S 97°5'W H: 08h 46m 11s h ~ 100 km Las restantes fases del S:E ilegibles
		F	58.6	10	4.5		
	S:N	eP	08 52.6	10	1.0		
		iS	53.7	19	1.5		
		L	57.75	10	i=-7.8;10.5		
		F	59.4	23	3.0	8	
	M:E	P	08 52.8	5	0.5		
		iS	53.57	5	i=-1.0;0.8		
		L	57.7	17	0.8		
		L	59.3	35	0.5	19	
		LR	09 01.0	35	1.0	39	
		M F	06.22 54	14	5.0	30	
	M:N	P	08 52.8	10	0.3		
		S?	54.0	15	0.4		
		L	57.6	15	0.5;1.8		
		L	59.2	34	0.7	28	
		LR	09 00.2	27	5.2	120	
		M F	03.32 00	15	9.6	67	
1.31 13	S:E	SKP	01 22.9	19	1.2		Δ aprox. 18.300km USCGS: 39°N 104°E H: 00h 59m 57s
		SKS PPP	27.5 28.6	16 32	1.2 2.5		
		SKKS	30.3	16	1.2		
		SKSF	31.6	19	1.2		
		SKSP x	35.3	32	1.2		
		SS	38.6	23	1.8		
		PSS	45.5	39	1.8		
		SSS	46.7	45	1.5		
		L	52.2	39	1.5		
		L	53.8	65	1.2		
		L	02 14.9	58;65	1.0;2.0	11;29	
		LR	28.4	39	2.5	11	
		M	30.52	42	4.5	22	
		F	03 21				
	S:N		01 19.4	19	1.0		
			21.9	39	0.8		
		SKS	27.6	26	1.5		
		PPP	28.6	39	1.6		
			30.3	19	0.9		
		SKKS	31.7	29	0.6		
		SKSP	35.3	39	1.0		
			39.6	13	1.0		
		SS	45.7	39	1.0		
		PSS	46.6	52	1.4		
		SSS	52.0	65	1.0		

x: $\Delta > 180^\circ$



Sta no	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		cm	mm		
1.31 5	S:N	L	02	13.7	87	1.4	29		
					17.2	71	2.1	28	
					30.7	32	1.4	4	
	M:E	L	02	16.0	49	0.2	16		
					28.7	44	0.2	13	
					30.79	37	0.4	17	
	M:N	L	02	16.3	63	0.3	44		
					27.7	38	0.3	15	
					33.40	31	0.3	9	
				03	03				



International
Seismological
Centre

LA PLATA REPUBLICA ARGENTINA

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Agosto 1954

Constantes

S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s2$	$T_s = 13^s2$	$K = 126$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 16^s8$	$T_s = 16^s8$	$K = 76$
M:E	$\epsilon = 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\epsilon = 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\epsilon = 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

No	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		c.min	Aparente mm		Abs. µ
.1	S:E	SSS	09	55.9	45	0.5		USCGS: 12°5S 66°E H: 09h 15m 40s	
		L	10	05.9	40	0.8	4		
	F		28						
	S:N	SSS	09	55.7	33	0.8			
		L	10	05.9	63	1.0	10		
		F		26					
.2	S:E	P	23	35.5	10	0.5		Δ aprox. 3.700km USCGS: 37°S 99°5W H: 23h 28m 33s	
		PcP		38.2	26	0.8			
				39.9	26	1.0			
		S		41.2	19	1.0			
		PcS		41.8	13	1.0			
		SSS		43.1	19	0.5			
		L		44.9	26	1.0	2		
		LR		46.5	26	1.1	2		
		M		48.67	32	2.4	7		
		F	24	34					
		S:N	P?	23	35.7	39?	0.8		
					37.5	19	0.6		
					39.9	39	1.4		
S			41.1	32	1.5				
PcS			41.9	65?	1.5				
L			44.7	39	4.5	16			
M			47.51	19	1.5	3			
F	24	34							
.7	S:E	P	09	41.5	26	1.0		Δ aprox. 2.100km USCGS: 18°5S 69°W H: 09h 37m 24s h ~ 100 km	
		S		44.6	16	4.0			
		L		47.7	13	2.0	4		
		M		48.96	20	3.0	6		
		F	10	31					

Ver el terremoto N° 116 al final del mes



Fecha y hora	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		Aparente	Abs.		
									c.
08.07	S:N	iP	09	41.45	10	i=-2.2;2.4			
		iS		44.87	18	i=-6.0			
		L		47.6	31		1.0	3	
		M		49.00	26		1.8	4	
		F	10	11					
08.09	S:E		Sin registro						
	S:N	SKKS	19	46.7	32		1.2		
		SKSP		50.3	39		0.9		
		PS		51.5	32		1.6		
		SS		59.2	39		0.9		
		PSS	20	00.1	26		2.0		
		SSS		05.3	32		1.0		
		L		28.7	39		0.8	3	
		L ^R		46.7	32		1.4	4	
		M		49.38	32		1.2	3	
		F	21	16					
08.10	S:E	P	17	49.4	13		1.0		
		S		50.4	10		0.6		
				52.1	12		0.5		
		L?		53.3	23		1.5		
				54.1	19		0.3	1	
				56.4	13		1.4	2	
		M	18	57.41	19		2.5	4	
		F		15					
	S:N		17	53.3	26		2.9		
		L?		54.6	19		1.0	2	
		M		57.50	16		1.6	3	
		F	18	20					
08.12	S:E	iP	14	15.05	13	i=+0.8;1.0		Δ aprox. 1.400km	
		S		17.3	13y45	0.7;1.9		BCIS: 35°5S 72°5W	
		L		18.6	21		2.5	H: 14h 12m 05s	
		M		20.00	14		8.5	4	
		F		56				12	
	S:N	S	14	17.3	33		0.7		
		L		18.6	35		3.5	10	
		M		20.09	20		3.8	7	
		F		56					
	M:E	P	14	15.1	6		0.2		
		L		18.6	16		0.8	5	
		M		18.82	10		1.5	7	
		F		33					
	M:N	L	14	18.1	27		1.0	24	
		M		18.83	84		1.8	33	
		F		24					
Ago.15	S:E	iP	05	42.24	6	i=+0.8;1.0		Δ aprox. 1.400km	
121		S		43.1	10		0.6	BCIS: 25°5S 67°W	
		L		44.5	15		0.8	H: 05h 38m 41s	
		M		45.0	16		1.4	2	
		F		45.82	6		2.2	4	
		F	06	01					
	S:N		Sin registro						

Fecha y Nro	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
			h	m		o.min	mm		μ	
0.15	M:E	P	05	42.2	4		0.3			
		S		44.6			6		0.4	
		L		45.2			14		0.3	
		M		45.80			6		0.7	
	M:N	P	05	42.2	4		0.2			
				S			43.5		8	0.2
				S			44.0		3	0.1
		L	05	44.5	14		0.1			
				M			45.0		6	0.2
				F			45.5		18	0.7
	M	F	05	45.90	5		1.0	7		
				F			51		5	1.0
	.16	S:E	L	23	31.4	19		1.0	2	
			M		32.28			19		1.0
F			51							
S:N		Sin registro								
.18	S:E	eP	04	55.7	13		0.3			
		PP		56.5			13		0.6	
		PPP		59.6			23		1.0	
		SKS		02.6			19		1.1	
		SKKS		06.2			13		6.0	
		PS		06.8			13		4.6	
		PPS		08.4			26		2.6	
		PKKP		09.3			42		2.0	
		SS		12.7			35		1.5	
		PPP _x		14.8			29		2.2	
		L?		20.7			39		1.1	
		L _R		24.4			45		1.0	
		M		30.9			39		1.6	
		F		39.14			29		1.6	
S:N	Sin registro									
M:E	PP	4	04	59.8	9		0.3			
	iSKS	8	05	06.16	12	i=+1.1;1.2				
	SKKS	10		06.7	10		0.7			
		12		07.1	29		0.4			
		13		08.1	28		0.4			
Luego indicios débiles										
M:N		5	05	00.4	8		0.2			
	iSKS	7		06.15	10	i=+1.0;1.2				
Luego indicios débiles										
.21	S:E	P	07	01.2	6		1.5	2		
		S		03.0			10		1.1	
		L		04.3			10		1.1	
		M		05.17			10		1.9	
		F		11						

Δ aprox. 10,900km
USCGS: 21°5S 176°W
H: 04h 42m 20s
h ~ 150 km

x: $\Delta > 180^\circ$

Δ aprox. 1,100km

Fecha y Numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
						Aparente	Abs.		
			h	m	c.min	mm	μ		
21	S:N	P	07	01.0	13	0.9			
		S		03.0	6	0.9			
		L		04.1	10	1.0	2		
		M		04.94	6	1.5	4		
	M:E	P	07	01.2	7	0.7			
		S		03.1	10	0.4			
				03.7	19	0.3			
		L		04.4	5	1.0	6		
	M:N	P	07	01.1	8	0.3			
		S		03.1	10	0.1			
		L?		03.8	13	0.3	2		
		M		05.09	5	1.0	6		
24	S:E	eP	06	04.7	10	0.6			Δ aprox. 10,200km USCGS: 39°5N 118°5W H: 05h 51m 31s5
		PP		08.2	23	1.5			
		PPP?		10.5	19	0.9			
		SKS		15.1	26	1.0; 2.6			
		PS?		17.0	39	1.2			
		SS		22.1	52	1.8			
				23.5	32	1.4			
		SSS		26.3	35	2.4			
				31.1	32	1.1			
		L		37.7	88	1.4	45		
		M		40.09	48	3.2	22		
		M		46.78	39	4.3	19		
M		52.15	35	6.0	21				
S:N	eP	06	04.7	19	0.4				
	PP		08.3	23	1.6				
	PPP?		10.6	26	0.6				
			14.3	32	1.2				
	PS		16.7	19	0.8				
	PPS		17.3	39	2.0				
			21.3	26	1.0				
	SS?		22.4	71	2.0				
			25.8	35	4.2				
			29.8	32	1.2				
			32.8	39	1.1				
	L		38.0	71	1.7	23			
M		40.93	52	3.0	18				
M		49.21	39	5.5	19				
M		55.97	29	7.0	16				
M:E	SKS?	06	15.3	23	0.4				
			25.6	30	0.2				
			37.3	37	0.2				
	L		46.18	44	0.5	9			
	M		52.32	38	0.4	18			
F	07	37							



Hora	Comp.	Fase	Per.		Amplitud		Observaciones
			h m	c.min	mm	µ	
24	M:N	SKS? PS	06 15.2	33	0.2		
			16.8	15	0.3		
			25.6	23	0.2		
		L	38.9	56	0.2	23	
		M	49.07	34	0.5	20	
		F	55.93	26	0.7	15	
			07 58				
24	S:E	L	14 56.1	26	0.9	2	
		M	57.36	23	1.1	2	
		F	15 00				
	S:N	L	14 56.2	19	1.0	2	
		M	57.96	32	1.8	5	
		F	15 00				
28	S:E	iP	23 09.60	10	i=+2.3;1.6		Δ aprox. 2.700km
		iS	13.86	10	i=+10.1;4.8		USCGS: 300 millas
		L	15.3	39	2.0	9	de la costa Sur
		M	17.72	32	12.6	38	de Tierra del Fuego
		ScS	20.2	23	8.1		H: 23h 04m 25s
		F	01 23				
	S:N	iP	23 09.60	10	i=+4.4;6.8		
			11.7	13	1.5		
		iS	13.86	13	i=-6.1;4.0		
		L	15.4	42	2.6	10	
		M	18.12	32	5.5	14	
		ScS?	20.0	23	6.0		
		M	22	26	13.5	29	
		F	01 08				
	M:E	iP	23 09.60	5	i=+1.0;2.5		
		S	13.8	12	1.4		
		L	15.6	7	0.8	4	
		M	17.41	18	1.4	12	
		F	45				
	M:N	iP	23 09.60	6	i=-2.6;3.0		
		S	13.9	15	1.1		
		LR	19.1	23	0.5	8	
		M	21.40	16	2.4	18	
		F	51				
31	S:E	L	23 10.6	45	1.0	6	
		M	21.21	26	1.4	3	USCGS: 39°5N 118°5W
		F	40				H: 22h 20m 32s
	S:N	L	23 13.7	39	0.6	2	
		M	18.19	32	1.1	3	
		F	34				
							M:E y M:N Sin registro
0.5	S:E	L	09 57.1	19	0.5	1	USCGS: 52°N 176°E
6		LR	10 01.1	32	0.6	2	H: 08h 49m 52s
		M	05.98	29	0.6	2	h ~ 60 km
		F	36				
	S:N						Sin registro

LA PLATA REPUBLICA ARGENTINA
 OBSERVATORIO ASTRONÓMICO DE LA UNIVERSIDAD NACIONAL
 BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Septiembre 1954

Constantes

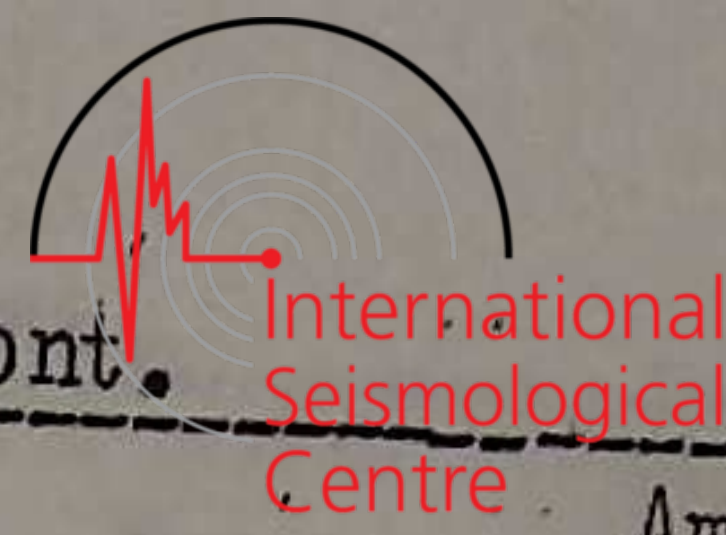
S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s2$	$T_s = 13^s2$	$K = 126$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 16^s8$	$T_s = 16^s8$	$K = 76$
M:E	$\epsilon = 4.8$	$T = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\epsilon = 4.6$	$T = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\epsilon = 4.8$	$T = 2^s9$	$V = 80$	$r = 0.018\text{cm}$	

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m		Aparente mm	Abs. μ	
Set.3 129	S:E		Indicios debiles					
	S:N		01	55.7	19	0.7		
			02	00.9	32	0.9		
				12.3	35	0.8		
		L M F		20.6 23.04	39 48	0.5 0.9	2 5	
Set.4 130	S:E	SS	04	08.8	39	1.7		Δ aprox. 15.400km USCGS: 3°S 139°5E H: 03h 28m 32s h ~ 60 km
		L		32.7	45	1.4	8	
		M		40.44	35	2.0	7	
		F		05 54				
		S:N	PKS	03	51.7	19	1.2	
			SKKS		57.4	13	0.9	
			SKSP	04	01.3	23	0.6	
			SS		08.9	32	1.1	
			?		25.9	32	1.1	
		L M M F			34.1 39.27 55.98	52 45 23	0.9 1.6 2.0	6 7 4
Set.4 131	S:E	L	21	05.7	10	1.5	2	BCIS: Region do Islas Samoa H: 20h 51m 01s
		M		07.23	10	3.2	4	
		F		14				

Fecha y número	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones	
			h	m		mm	Abs.		
Set. 4 31	S:N	L	21	05.7	19	1.0	2		
		M		06.82	13	3.0	5		
		F		26					
	M:E	L	21	05.1	14	0.3	2		
		M		07.15	6	0.6	3		
		F		07.80	5	0.7	4		
	M:N	L	21	05.2	16	0.3	2		
		M		06.82	5	1.1	7		
		F		17					
Set. 5 32	S:E	PS	2	08 09.0	13	0.9		Δ aprox. 11.800km USCGS: 19°S 176°E H: 07h 45m 31s	
		SS	4	13.4	39	1.2			
		SSS?	5	19.1	13	1.0			
			7	26.6	32	1.7			
			8	29.2	29	1.4			
			10	34.6	39	1.5			
			13	38.73	32	2.3			
	L						6		
		M					7		
		F	09	41					
	S:N	SKKS		1	08 08.9	42	1.0		
				3	11.6	32	1.0		
				4	13.4	39	1.2		
		PS		6	19.2	32	2.0		
				9	29.3	42	1.1		
SS			11	34.7	45	1.4			
			12	35.59	52	2.4			
L						6			
	M					15			
	F	09	41						
Set. 9 133	S:E	? PoP	01	09.1	13	1.6		Δ aprox. 10.000km USCGS: 36°N 1°5E H: 01h 04m 37s	
				17.7	16	1.2			
				25.4	16	1.4			
		S		27.1	19	0.4			
				28.2	19	2.0			
				34.1	16	2.0			
		SS		35.1	26	1.6			
				40.2	26	1.3			
				43.9	45	2.2			
	PKKP		51.62	39	3.2				
			57.02	32	6.0				
						13			
	L						14		
		M					18		
		F	03	26					
	S:N	? PoP		01	09.0	19	1.0		
					17.7	19	0.9		
					25.6	19	1.6		
				27.2	23	0.9			
				28.3	13	2.0			
S			29.5	16	3.5				
			34.2	45	1.9				
			37.5	26	2.2				
PPS			40.9	32	2.5				
			43.9	48	3.0				
			50.15	32	5.0				
SS			57.33	32	11.9				
						15			
						13			
SSS?							32		
L									
	M								
	F	03	52						

Fecha y Numero Comp. Fase Hora Per. Amplitud Observaciones
 Aparente Abs.
 h m c.min mm μ

Fecha y Numero	Comp.	Fase	Hora	Per.	Amplitud Aparente	Amplitud Abs.	Observaciones	
			h m	c.min	mm	μ		
Set.9 133	M:E	SS	01 28.6	15	0.6			
		LR	34.3	20	0.3			
		M ^R	49.2	38	0.3	14		
		F	53.37	28	0.5	12		
	M:N	S		01 28.2	10	0.5		
				28.6	21	0.5		
				32.1	16	0.3		
			PKKP?	35.4	25	0.3		
			SSS?	37.8	16	0.3		
				39.5	16	0.2		
			L	41.0	31	0.3	9	
			M	52.26	22	0.5	7	
			F	59				
Set.10 134	S:E	?	05 50.8	26	0.6		Δ aprox. 10.000km USCGS: 36°N 2°E H: 05h 44m 04s	
		PP?	06 00.4	16	0.5			
		SKS	07.6	23	1.9			
		PS	09.1	19	0.9			
		L	29.7	42	1.0	5		
		M	36.07	32	1.4	4		
	S:N	PP?	06 00.4	26	0.9			
		SKS	07.6	16	1.0			
		S	08.1	16	1.2			
		PS	09.2	19	1.3			
		SSS?	20.6	29	0.6			
		L	27.4	39	0.7	2		
		M	36.82	32	1.5	4		
		F	07 43					
		Set.12 135	S:E	L	09 01.1	45	1.1	6
M	12.96			26	1.5	3		
F	48							
S:N	L		09 05.8	87	1.0	21		
	M		12.93	29	0.7	2		
	F		51					
Set.13 136	S:E	PP	02 18.4	13	0.7		Δ aprox. 10.900km USCGS: 23°5S 178°W H: 02h 00m 26s h ~ 150 km	
			24.2	16	1.0			
		iPPS	27.5	10	i=-2.0; 1.6			
		SS	32.6	16	0.9			
		SSS?	37.3	32	3.0			
			37.9	32	1.2			
	S:N	L	47.3	48	1.5	10		
		Las restantes fases confundidas con el terremoto siguiente.						
		PP	02 18.7	26	0.6			
		?	24.1	23	0.6			
		PS	26.8	13	0.6			
		PPS	27.5	23	0.8			
	PKKP	30.9	16	0.7				
		32.0	32	0.7				
	SSS?	37.4	23	2.3				
	PPP _x	38.6	26	1.5				
	L	48.4	65	1.1	11			
	Las restantes fases confundidas con el terremoto siguiente							
							(x) Δ > 180°	



Fecha y numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones				
						Aparente	Abs.					
						mm	μ					
Set. 13 137	S:E	PP	3	02 28.0	16	1.0		Δ aprox. 11000km USCGS: 21°S 175°5'W H: 02h 09m 55s h ~ 150 km				
		PPP	6	30.5	16	1.0						
		iSKS	7	33.83	17	i=+6.0; 7.8						
		SKKS	9x	34.7	23	3.5						
		PS	10x	36.1	29	5.7						
		SS	12	41.9	42	2.2						
		L	16	57.5	45	1.0	6					
		M	18	03 05.64	29	1.9	5					
		M	19	12.09	27	2.1	5					
		F		59								
		S:N	P	1	02 23.9	10	0.3					
				2	25.5	19	0.4					
				3	28.5	26	1.0					
				4	30.3	23	0.6					
				5	33.84	16	i=+5.8; 5.5					
6	34.7			26	1.9							
7	36.1			26	1.5; 3.0							
8	40.0			26	1.4							
9	46.5			42	1.8							
10	52.0			55	1.1							
L	M	F	11	56.8	52	1.0	6					
			12	03 04.85	26	1.9	4					
			13	59								
Set. 15 138	S:E	L	06 58.7	65	0.3	4	USCGS: 4°5'S 82°W H: 06h 38m 04s h ~ 60 km					
		M	07 02.98	32	0.9	3						
		F	16									
S:N	L	M	F	06 58.3	61	0.4	3					
				07 02.14	26	0.7	2					
				25								
Set. 15 139	S:E	L	M	F	19 52.7	23	0.6	13				
					53.7	58	1.2	14				
					54.43	39	3.2					
	20 04											
	S:N	L	M	F	19 53.6	26	0.6	5				
					54.0	48	1.0	4				
54.92					35	1.5						
20 03												
Set. 17 140	S:E	El comienzo de este terremoto se perdió en el cambio de banda:										
			11 31.0	42	8.5; 5.5		Δ aprox. 11.000km USCGS: 21°5'S 176°5'W H: 11h 03m 14s h ~ 250 km					
		LR	53.2	32	2.0	6						
		M	55.3	29	5.0	13						
		F	13 36									
		S:N	PPS	PKKP	LR	M		F	11 26.2	32	6.0	
									33.2	26	5.5	
									50.2	29	3.5	8
									55	32	4.3	11
									13 36			



Fecha y número	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones	
			h	m		Aparente mm	Abs		
Set. 17 140	M:E	S	11	26.8	14	3.0			
					29.3	30	1.1		
					30.5	32	0.8		
		L			48.7	30	0.4	11	
		M			55.70	30	0.8	24	
		F	12	29					
	M:N	S	11	26.7	6	4.3			
		L		46.7	29	0.4	11		
	M		57.66	30	0.4	12			
	F	12	01.9	13	1.0	6			
Set. 20 141	S:E	L?	01	53.2	45	0.4	2	Δ aprox. 16.000km USCGS: 1°5'S 120°5'E H: 00h 39m 28s	
		M	02	01.96	32	0.7	2		
		F	03	00					
	S:N	PP	01	02.3	16	0.6			
		SKKS		09.2	16	0.7			
		PS?		14.7	19	0.7			
		SS		21.2	39	0.5			
				33.9	39	0.5			
				49.9	55	0.4	3		
		L		01	01.85	29	0.9	2	
		M							
		F			59				
Set. 20 142	S:E		17	53.2	65	1.0		USCGS: 2°S 178°W H: 17h 05m 40s h ~ 550 km	
			18	11.1	39	0.5			
				12.7	35	1.5	5		
		L			14.46	26	2.5	5	
		M			41				
		F							
S:N		17	48.8	42	0.6				
			57.0	65	1.0				
	L	18	12.1	52	1.5	9			
	M		13.37	26	2.0	4			
Set. 20 143	S:E		18	58.7	29	1.1			
			19	02.9	19	1.5			
				08.2	45	1.1	6		
		L			13.92	32	3.5	10	
		M			27				
		F							
	S:N		18	48.9	45	0.9			
				55.9	52	1.4			
			19	02.3	90	1.1			
				08.0	45	1.9	9		
		L		13.7	32	1.6	4		
		M ^R		16.95	32	1.9	5		
Set. 23 144	S:E	L	23	02.3	32	0.9	3	USCGS: 49°N 156°E H: 21h 43m 36s	
		M		08.10	32	2.2	7		
		F	24	06					
	S:N	L	23	02.6	35	1.6	5		
				07.4	39	1.1			
				08.36	45	1.6	7		
		M		22.99	32	1.8	5		
		M							
		F	24	05					



Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Aparente	Abs.	
			h	m	c.min	mm	μ	
Set. 25 145	S:E	L	06	31.6	26	0.7	2	BCIS: Atlántico Sur
		M		44.87	26	0.8	2	
		F	07	11				
	S:N	L	06	28.9	35	0.5	1	
		M		49.76	32	1.1	3	
		F	07	12				
Set. 25 146	S:E	L	11	47.8	29	0.6	2	BCIS: 800 km de la Costa SW de Tasmania H: 11h 14m 01s
		M		53.2	32	0.7		
		F	12	09.00 48	26	1.2		
	S:N	L	11	45.3	39	0.7	4	
		M		53.6	42	1.0		
		F	12	02.10 08.72 41	32	1.2 1.4		
Set. 28 147	S:E	S	23	37.5	13	1.0	1	Δ aprox. 4.000 km BCIS: 33°25'S 101°07'5"W H: 23h 25m 03s
		L		42.9	19	0.7		
		M		43.99 59	26	1.1		
	S:N	L	23	39.9	32	0.7	2	
		M		42.22	32	2.2		
		F	24	09				

LA PLATA REPUBLICA ARGENTINA
 OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL
 BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Octubre 1954

Constantes

S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s2$	$T_s = 13^s2$	$k = 126$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 16^s8$	$T_s = 16^s8$	$k = 76$
M:E	$\epsilon = 4.8$	$T_o = 8^s2$	$V = 154$	$r = 0.11\text{cm}$	
M:N	$\epsilon = 4.6$	$T_o = 8^s1$	$V = 144$	$r = 0.10\text{cm}$	
W:Z	$\epsilon = 7.0$	$T_o = 3^s3$	$V = 56$	$r = 0.03\text{cm}$	

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones				
					Aparente	Abs.					
					μ						
					h	m	o.min	mm			
Oct.1 148	S:E	SKS	03	21.3			19	1.4	Δ aprox. 13.100km USCGS: 11°S 166°E H: 02h 55m 31s		
		SKKS		22.5			26	0.6			
		PS		25.3			32	2.4			
		SS		31.9			26	1.1			
		SSS?		35.5			32	0.6			
				38.4			26	1.0			
				52.0			45	1.0			
		L					32	2.2		6	
		M					26	2.5		6	
		M		04	00.83		26	4.0		9	
		M			10.80		26				
		F		05	36						
		S:N	PS	03	25.4			32		2.2	
	SS			32.0			19	1.4			
			48.0			32	1.5				
	L			51.7			52	1.1	6		
		M		55.77			39	1.7			
		M		04	03.80		32	2.1			
	F		05	49							
Oct.3 149	S:E	P?	03	03.1			32	0.4	Δ aprox. 13.300km USCGS: 10°S 165°5E H: 02h 47m 17s x: Δ 180°		
		P'		06.0			39	0.4			
		PP		08.1			19	0.4			
		PPP		10.6			26	0.5			
		SKS		13.2			42	2.5			
		PS		17.2			19	2.0			
		PPS		18.9			29	0.9			
		PPPx		23.7			39	1.6			
				27.8			32	0.9			
				36.7			32	0.9			
			L			43.3		48		3.5	18
			M			55.63		32		5.0	13
			F		04	08.46		29		5.0	12
			05	55							

Octubre de 1954 Cont.



International
Seismological
Centre

(2)

Fecha y número	Comp.	Fase	Hora		Por.	Amplitud		Observaciones
			h	m		mm	Abs.	
Oct. 3 49	S:N	P?	03	03.2	45	0.5		
		P'		06.2	19	0.5		
		PP		08.0	26	0.5		
		PPP?		09.9	39	0.5		
				13.7	39	1.9		
		PS		17.3	23	2.0		
		SS		24.4	39	1.4		
		PSS		24.7	26	1.8		
				27.8	26	1.4		
				36.7	32	1.5		
				42.9	71	1.6		29
			L	46.7	32	2.5		7
			LR	53.36	32	4.5		13
			M	59.52	32	4.2		12
			F	05	55			
	M:E	L	03	37.6	69	0.2		32
		M		53.29	30	0.5		14
		F	04	55				
	M:N	L	03	17.7	18	0.2		
		M		38.4	53	0.2		20
		F		55.40	25	0.5		10
			05	19				
Oct. 3 150	S:E	P?	11	35.2	13	0.4		
		P'?		38.6	16	0.5		
		PPP		41.8	16	0.8		
				44.3	16	0.9		
		SKS		45.4	19	0.8		
		SKKS		46.7	19	0.8		
		PKKP		48.6	16	0.9		
		PS		49.6	39	0.6		
		PPPx		55.4	29	1.5		
		SS		56.7	26	1.2		
		SSS	12	01.6	30	0.9		
				08.2	19	0.5		
				12.0	55	1.0		
				17.9	71	1.2		22
			L	32.25	32	2.8		8
			M	13	48			
			F					
			S:N	P'?	11	38.8	19	0.6
PP				40.1	39	0.5		
PPP				41.9	26	0.9		
				42.6	29	0.6		
				46.8	45	0.5		
SKKS				48.5	23	0.8		
PKKP				50.2	19	2.5		
SKSP				51.2	26	1.5		
PPS				55.9	19	1.5		
SKKSx	12			00.9	32	1.2		
SSS				08.2	32	0.6		
				17.7	65	1.5		15
	L			31.13	39	3.0		11
	M			13	49			
	F							

Δ aprox. 13.400km
USCGS: 60°5N 151°W
H: 11h 18m 46s
h ~ 100km
x: Δ 180°

Fecha y número	Comp.	Fase	Hora		Per.		Amplitud		Observaciones
			h	m	seg.	min	Rel.	Abs.	
Oct. 5 151	S:E	L	20	29.9	45	2.6			
		M		33.7	39	1.7	7		
		F	21	08	37.29	29	3.4	9	
	S:N	L	20	30.0	52	1.5			
		M		34.9	52	1.5	9		
		F	21	08	40.11	32	1.5	4	
Oct. 8 152	S:E	P	09	17.6	13	1.0			Δ aprox. 1.300km USCGS: 31°5S 71°5W H: 09h 14m 53s h ~ 100km
		S		18.2	26	2.2			
		L		19.7	29	2.9	3		
	M		20.5	19	2.0				
	F		Ilegible						
			50						
S:N	P		09	17.6	13	1.0			
		S		18.1	39	1.6			
		L		19.7	13	1.0			
	M		20.3	19	1.6	3			
	F		Ilegible						
			50						
Oct. 9 153	S:E		Sin registro						
	S:N	L	02	42.8	52	1.0	6		USCGS: Region de las Islas Tonga H: 01h 47m 13s h ~ 150km
M		03	56.28	52	1.3	8			
F		03	55						
Oct. 14 154	S:E	PP	01	56.4	13	0.8			Δ aprox. 15.200km USCGS: 7°S 123°E H: 01h 35m 00s
		SKKS ?	02	06.1	13	0.6			
				25.0	32	2.0			
		L		45.6	35	0.6	2		
		M		56.31	32	0.9	3		
		F	03	45					
	S:N	PKS	01	57.9	26	0.9			
		L	02	45.3	39	0.8	3		
		M		59.05	32	1.0			
		F	03	46					
		S	23	20.5	19	1.0			
		PSS		21.5	13	1.0			
Oct. 17 155	S:E	SS		26.2	19	1.0			Δ aprox. 9.400km USCGS: 31°5N 116°5W H: 22h 57m 18s
		SSS		29.7	13	1.4			
				33.5	42	0.9			
		L		37.4	45	1.0			
		M		41.3	35	1.6	6		
		F		54.67	32	2.2	6		
	S:N	PP?	23	13.7	23	0.6			
		PPP		15.5	35	1.1			
		SKS		20.1	19	0.9			
		PSS		21.6	19	0.5			
		SS		26.2	32	0.8			
		SSS		29.6	26	0.6			





Octubre de 1954 Cont.

Fecha	Comp.	Fase	Hora	Per.	Amplitud		Observaciones
					Aparente	Abs.	
dia	mero		h m	c. min	mm	μ	
.17	S:N	L	23 33.3	19	0.6		
		LR	37.5	32	0.6	2	
		M	40.7	32	1.5	4	
		F	55.32	19	1.4	2	
			24 46				
.21	S:E	P	00 23.6	16	0.6		Δ aprox. 10,600km USCGS: 41°S 80°5'E H: 00h 10m 07s x: $\Delta > 180^\circ$
		PP	25.8	23	1.8		
			27.8	16	1.0; 1.9		
			31.9	32	1.5		
		SKKS	34.6	23	1.1		
		PS	36.4	23	1.4		
		PKKP	40.1	29	0.7		
		SS	41.4	19	2.0		
		PPPx	48.7	32	1.1; 2.0		
		L	54.1	42	0.9	4	
		LR	56.8	35	2.8	6	
		M	01 15.54	26	4.5	9	
		F	02 56				
	S:N	P	00 23.6	32	1.4		
		PP	27.9	29	1.9		
			30.2	26	0.3		
			32.0	45	2.0		
		SKS	33.7	16	0.5		
		SKKS	34.5	26	1.5		
		PS	36.2	39	2.8		
		PKKP	39.9	32	0.9		
		SS	41.2	39	2.5		
			44.6	48	0.9		
		L	54.5	52	1.4	8	
		LR	56.8	35	3.9	12	
		M	01 15.26	29	5.0	12	
		F	02 56				
	M:E	L	00 56.8	36	0.2	8	
		M	01 15.05	30	0.4	11	
		F	55				
	M:N	PS?	00 36.8	12	0.2		
			46.5	15	0.2		
			49.2	29	0.2		
		L	55.8	38	0.2	10	
		M	01 14.13	27	0.5	12	
		F	55				
Oct. 21	S:E	P	07 01.5	6	0.8		Δ aprox. 6,300km USCGS: 14°N 90°5'W h ~ 60km
57		PcP	02.5	6	0.5		
		PP	03.8	10	0.6		
		PPP	04.8	10	0.7		
			05.2	13	0.6		
		PcS	06.6	10	0.3		
		S	09.4	23	0.5; 1.5		
		S ₂ S	11.3	16	1.0		
		SS	13.3	19	0.6		
		SSS	15.3	23	0.5		
		L	18.7	29	0.5	1	
		M	27.62	29	1.0	2	
		F	08 09				

Fecha y numero	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones	
			h	m		Aparente mm	Abs. µ		
Oct. 21 157	S:N	P	07	01.5	10	0.6			
		PP		03.8	13	0.4			
		S		09.4	26	0.6; 1.5			
		PS		11.8	26	0.7			
		SS		13.5	26	0.9			
				17.8	29	0.9			
			L		20.9	52	1.0	6	
			M		25.92	35	1.8	5	
			F		08	07			
		Oct. 22 158	S:E	iSSS?	17	53.43	18	i=+1.2; 3.3	
				54.5	20	1.5			
				55.5	42	3.5	17		
				57.09	29	7.3	18		
				18	26				
S:N	P?		17	49.8					
	eSSS?			53.3					
	L			55.5	35	0.9; 1.6	3; 5		
	M			58.12	26	2.5	5		
M:E			17	53.5	14	0.5			
				55.3	42	0.4	23		
			56.28	34	0.9	33			
M:N									
Oct. 27 159	S:E	L	10	21.2	39	0.8	3	USCGS: 4°S 105°W H: 09h 54m 30s	
		M		26.23	32	1.3	4		
		F	11	05					
S:N	L	10	20.9	32	0.9	2			
	M		26.31	29	1.3	3			
	F		55						

CONSTANTES

Desde el 13 de Octubre hasta el 31 de Diciembre

M:E	= 4.4	T _o = 8 ^s 0	V = 186	r = 0.12cm
M:N	= 4.2	T _o = 7 ^s 7	V = 172	r = 0.08cm

OBSERVATORIO ASTRONOMICO DE LA UNIVERSIDAD NACIONAL

BOLETIN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Noviembre 1954

Constantes

S:E	$l_r = 23.7$ cm	$A = 100.0$ cm	$T_g = 13^s2$	$T_s = 13^s2$	$k = 126$
S:N	$l_r = 25.9$ cm	$A = 100.0$ cm	$T_g = 16^s8$	$T_s = 16^s8$	$k = 76$
M:E	$\epsilon = 4.4$	$T = 8^s0$	$V = 186$	$r = 0.12$ cm	
M:N	$\epsilon = 4.2$	$T = 7^s7$	$V = 172$	$r = 0.08$ cm	
W:Z	$\epsilon = 7.0$	$T = 3^s3$	$V = 56$	$r = 0.03$ cm	

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones	
					Aparente	Abs.		
			h m	c.min	mm	μ		
Nov. 26	S:E	PKS	08 47.2 ✓	19	0.9		Δ aprox. 15.300km USCGS: 7°5S 119°2E H: 08h 24m 08s x: $\Delta > 180^\circ$	
		PPP	49.5 ✓	26	1.0			
		SKKS	53.4 ✓	19	1.0			
		SKSP	56.9 ✓	29	1.0			
		PPS	58.9 ✓	19	1.4			
		SKKSx	59.7 ✓	19	1.1			
		SS	09 04.6 ✓	13	0.9			
			10.4 ✓	26	1.2			
			19.6 ✓	35	1.0			
		L	23.0 ✓	81	2.0	52		
		LR	36.3 ✓	39	2.8	12		
		M	44.00 ✓	30	5.8	15		
		F	11 20					
		S:N	P'	08 43.7 ✓	10	0.4		
			PP	46.4 ✓	29	2.4		
			PKS	47.4 ✓	32	4.8		
PPP	49.5 ✓		23	1.4				
SKKS?	52.9 ✓		29	1.1				
SKSP	57.0 ✓		32	1.5				
SKKSx	09 00.0 ✓		26	1.5				
SS	04.7 ✓		32	2.4				
SSS	09.6 ✓		45	2.8				
	19.5 ✓		42	0.8				
L	25.6 ✓		52	1.4	8			
LR	36.4 ✓		42	7.9	32			
M	43.06 ✓		32	10.5	28			
F	11 20							
M:E	L		09 23.3 ✓	35	0.1			
	LR?		36.4 ✓	36	0.2			
	M	46.80 ✓	29	0.5	12			
	F	10 25						

Noviembre de 1954 Cont.

(2)

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
			h	m		c, min	mm	
Nov. 2 161	S:E	S?	20	17.6	16	0.6		BCIS: Región norte de Chile H: 20h 11m 03s Δ aprox. 1.700ks
		L		18.4	13	0.9		
		M		19.0	13	1.0	2	
		F		20.30	16	1.1	3	
	S:N	S	20	17.3	6	0.3		
		L		18.7	16	0.6	1	
		M		20.30	13	0.8	2	
	M:E	L	20	18.1	6	0.3		
		M		18.7	6	0.3	1	
		F		19.37	4	0.5	2	
	M:N	S	20	17.3	5	0.4		
		L		18.7	4	0.4	1	
F			18.92	4	0.6	2		
Nov. 6 162	S:E	L	17	05.3	39	0.5	2	
		M		10.77	26	1.1	2	
		F		18 18				
	S:N	L	17	05.1	48	1.3	5	
		M		10.67	29	1.1	2	
		F		18 40				
Nov. 12 163	S:E	P	12	39.1	26	3.3		Δ aprox. 9.400km USCGS: 31°5'N 118°W H: 12h 26m 47s x: $\Delta > 180^\circ$
		PPP?		44.1	29	1.0		
				49.1	26	1.4		
		PS		51.2	32	2.0		
		SS		55.9	52	0.9		
			13	02.6	48	0.7		
		L		05.9	77	2.0	45	
		M		18.92	32	2.3	7	
		F		14 10				
	S:N	P	12	39.1	45	2.1		
		PcP		39.9	39	0.6		
				49.3	39	1.0		
		S		50.0	26	1.2		
		PS		51.0	48	0.8		
		PPS		51.4	32	1.0		
		SS		56.0	39	1.0		
		PKKPx		57.5	26	0.6		
			12	59.9	39	1.0		
L		13	02.6	45	0.6			
			05.6	48	1.0			
			17.94	52	1.4			
	F		14 10			5		



Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		mm	Abs.		
13	S:E	P	18	28.0	13	1.5		Δ aprox. 2.300 km USCGS: 45°S 79°W H: 18h 23m 22s	
		PP		28.4	16	1.7			
		S		31.7	26	3.5			
		SS		32.3	19	2.0			
		L		33.5	42	1.7	8		
		M		34.86	19	2.5	4		
	S:N	P	18	28.0	16	0.5;1.0			
				29.5	13	0.9			
		S		31.8	26	1.5			
		SS		32.4	42	2.0			
		L		33.0	58	2.3	18		
	M		35.18	32	2.7	7			
	F	19	21						
M:E			Ilegible						
M:N	P	18	28.1	6	0.2				
			31.0	10	0.3				
	S		31.9	22	0.4				
	L		33.4	21	0.3	8			
	M		34.89	16	0.3	6			
F	19	00							
15	S:E	i	04	02.85	10	i=+0.1;1.0		USCGS: Bolivia Occidental H: 03h 59m 14s	
	S:N	i	04	02.83	6	i=-0.4;0.9			
	M:E			Sin registro					
M:N	i	04	02.85	5	i=-0.4;0.5				
19 66	S:E		1	06 23.4	13	0.4		Δ aprox. 19.100 km USCGS: 41°N 131°E H: 05h 56m 03s h ~ 600 km	
		SKKS?	2x	26.3	16	1.0			
		SKKKS	4	27.71	16	i=+3.4;2.0			
			7	29.2	26	0.7			
			7x	31.4	26	0.8			
			9	33.6	26	0.7			
		PPS	10	35.4	26	0.8			
		SS?	11	40.8	26	0.7			
			13	42.1	26	0.9			
		SSS?	14	49.1	32	0.5			
		L	15	07 00.2	42	0.4	2		
		F		08 05					
		S:N	SKKS?	2x	06 26.3	10	0.6		
				3	27.4	10	i=+0.8;0.9		
			SKKKS	5	27.72	10	i=-2.7;1.3		
			6	29.0	13	0.8			
	8x		31.4	13	0.6				
	12		42.0	26	1.0				
L	16		07 02.5	39	0.3	1			
F		08 05							
19 67	S:E	L	14	53.4	19	1.0	2		
		M		55.74	6	1.4	3		
F	15	03							

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones
						Aparente	Abs.	
			h	m	c. min	mm	μ	
Nov. 19 167	S:N	L	14	53.4	19	1.0	2	
		M		55.73	6	1.1	3	
		F	15	04				
Nov. 20 168	S:E	L	22	15.4	23	0.3	1	
		M		24.82	19	1.4	2	
	F	23	13					
	S:N	L	22	15.5	39	0.8	3	
M			24.93	23	2.0	4		
		F	23	25				
Nov. 21 169	S:E	SKS	1	08 01.3	19	1.1		Δ aprox. 10.500km USCGS: 29°S 178°W H: 07h 37m 27s x: Δ > 180°
		PS	3x	03.1	26	0.8		
		PKKP	6	07.6	26	0.4		
		SS	7	09.1	19	0.5		
		PPPx	+	15.4	26	0.4		
		L	9	22.4	50	0.6	4	
		LR	11	29.7	26	0.6	1	
		M	13	41.36	23	0.6	1	
		M	14	54.44	26	0.9	2	
		F	09	35				
	S:N	SKS	2	08 01.4	19	1.1		
PS		3x	03.1	29	1.4			
		4	05.1	16	0.7			
PKKP		5	07.4	26	0.6			
PPPx		—	15.7	29	0.5			
L		8	22.0	35	0.5	1		
LR		10	29.0	29	1.0	2		
M		12	41.28	26	1.0	2		
F		09	41					
Nov. 25 170	S:E	L	11	55.7	42	1.4; 2.5	7; 12	Δ aprox. 18.900km USCGS: 40°S 126°W H: 11h 16m 36s
		LR	12	04.6	48	2.1	14	
		M		10.7	39	3.4	15	
	S:N	L	11	55.7	52	1.2	7	
LR		12	04.6	39	3.0	11		
M			10.7	42	4.4	18		
		F	13	53				
Nov. 25 171	S:E	P	1	20 59.1	19	0.9		Δ aprox. 6.650km USCGS: 15°N 94°W H: 20h 48m 50s
		PPP?	3	21 02.4	16	0.5		
		PcS	4	03.8	10	0.5		
		S	5	07.1	16	0.5		
		SS	7	11.1	13	0.4		
		SSS	8	13.7	13	0.6		
		L	11	15.9	29	0.5	1	
		LR	14	26.3	23	0.5	1	
		M	16	31.70	23	0.6	1	
		F	17	34.04	26	0.9	2	

Confundido con el siguiente

Noviembre de 1954 Cont.

(5)

Fecha y número	Comp.	Fase	Hora		Per.	Amplitud		Observaciones	
			h	m		mm	Abs.		
Nov. 25 171	S:N	?	21	01.3	10	0.3			
		PS	6	07.4	13	0.4			
		SS	8	11.3	26	0.4			
		SSS	10	13.9	32	0.6			
		L	12	15.9	35	0.5	2		
		LR	13	26.1	29	0.9	2		
		M	15	30.83	26	1.1	2		
F	Confundido con el siguiente								
Nov. 25 172	S:E	P	21	46.3	10	0.5		Δ aprox. 11.300km	
			3	49.1	10	0.5		USCGS: 21°55' 179°E	
		iPP	5	50.81	10	i=+1.1;1.0		H: 21h 33m 38s	
		PPP	6	53.0	10	0.6		h 650 km	
			7	55.18	13	i=+1.8;1.3			
		SP	9x	58.9	19	1.5			
		PS	10x	22 00.2	16	1.0			
			11x	03.1	13	0.8			
			12	05.9	19	0.5			
			15	16.2	19	0.6			
		L	16	21.5	35	0.7	2		
		M	19	28	13	0.5	1		
		F	23	10					
		S:N	P	21	46.2	19	0.6		
			PP	4	50.8	13	0.4		
iSKS	8		56.09	13	i=+2.6;2.4				
SP	9x		58.9	16	0.7				
FS	10x		22 00.2	16	0.7				
	11x		03.1	19	0.5				
	13		06.0	26	0.5				
	14		16.0	26	0.6				
L	17		21.5	29	0.5	1			
M	18		27	16	0.5				
F	23	05							

LA PLATA ~~REPUBLICA~~ ARGENTINA
 OBSERVATORIO ASTRONÓMICO DE LA UNIVERSIDAD NACIONAL

BOLETÍN SISMOLOGICO

Longitud 57° 55' 56" W Latitud 34° 54' 32" S

Delegado Interventor Dr. Reynaldo P. Cesco

Instrumentos: EyN de Mainka 450kg. Z Wiechert 80kg. S Sprengnether

Diciembre 1954

Constantes

S:E	$l_r = 23.7\text{cm}$	$A = 100.0\text{cm}$	$T_g = 13^s2$	$T_s = 13^s2$	$k = 129$
S:N	$l_r = 25.9\text{cm}$	$A = 100.0\text{cm}$	$T_g = 16^s8$	$T_s = 16^s8$	$k = 85$
M:E	$\epsilon = 4.4$	$T = 8^s0$	$V = 186$	$r = 0.12\text{cm}$	
M:N	$\epsilon = 4.2$	$T = 7^s7$	$V = 172$	$r = 0.08\text{cm}$	
W:Z	$\epsilon = 7.0$	$T = 3^s3$	$V = 56$	$r = 0.03\text{cm}$	

Fecha y número	Comp.	Fase	Hora	Per.	Amplitud		Observaciones				
					Aparente	Abs.					
			h m	c.min	mm	μ					
Dic. 4 173	S:E	PKS?	07	23.1	6	1.4		Δ aprox. 14.400km USCGS: 5°S 152°W H: 07h 00m 29s			
		SKS		26.6	13	0.5					
			29.2	13	1.0						
		PPS	33.8	13	0.9						
		PKPPKP	37.9	19	0.8						
		SS	39.2	13	1.0						
			41.5	23	1.0						
		L	08	06.0	39	0.9	4				
		M		12.64	32	1.3	4				
		F		09 45							
		Dic. 4 174	S:N	PKS?	07	23.1	13		1.5		Δ aprox. 5.000km USCGS: 11°N 61°W H: 18h 31m 07s
				SKS		26.6	10		0.6		
					29.1	13	0.8				
				PKPPKP	37.7	23	0.5				
				SS?	39.0	29	0.5				
	40.6			32	1.0						
M	08			15.03	32	1.2	3				
M				28.38	26	1.5	3				
F				09 46							
Dic. 4 174	S:E			P	18	39.5	5	0.5		$i = +5.0; 5.2$	
				iS		46.07	12	2.8	12		
				L		49.5	39	9.5	19		
				M		50.13	24				
				F		20 44					
				S:N	iP	18	39.47	7			
		iS	46.08		11		6.2	11			
		L	49.6		18						
		F	20 27								



Fecha Numero	Comp.	Fase	Hora		Per. c. min	Amplitud		Observaciones
			h	m		Aparente mm	Abs. µ	
c.4 4	M:E	P	18	39.4	5	0.2		
		S		46.0	8	0.4		
		L		49.6	35	0.2	8	
		M		56.25	11	5.1	12	
	M:N	iP	18	39.47	6	i=+1.0;3.0		
		S		46.1	8	0.9		
		L		49.7	15	1.3	14	
		M		58.26	8	4.5	22	
c.5 5	S:E	M	22	11.8	32	0.5		
		F		13.64	32	0.9	3	
	S:N						Sin registro	
c.11 6	S:E	L	00	57.5	19	0.6	1	
		M	01	02.24	32	1.6	5	
	S:N	F		10				
		L	00	56.7	39	0.5	2	
c.11 7	S:E	M	01	57.83	19	0.9	2	
		F	01	10				
	S:E	L	2	03 57.1	51	1.0	8	USCGS: 1°5S 13°5W H: 03h 32m 15s
		M	4	04 01.28	26	1.2	3	
c.11 8	S:N	L	1	03 54.9	58	0.5	4	
		M	2	03 57.51	32	1.5	4	
	S:E	F	04	48				
		S	2x	13 20.8	26	0.8		Δ aprox. 9.700km USCGS: 52°5N 32°W H: 12h 57m 07s
PPS	3x	22.2	16	1.0				
	5	29.5	19	0.6				
SSS?	8	30.4	21	2.0				
	9	34.0	39	2.9				
L	11	35.5	85	1.0	29			
	M	12	47.02	32	2.8	8		
c.11 9	S:N	F	14	45				
		SKS?	1	13 20.2	39	0.5		
	S	2x	20.8	19	2.2			
		3x	22.2	19	2.5			
	PPS	4	27.0	32	1.0			
		5	30.6	29	1.6	13		
	SSS?	7	38.6	61	1.5	10		
		10	46.64	32	3.9			
	L	M	14	45				
		F						
c.11 9	S:E	L	17	27.4	32	1.5	4	
		M	18	00.75	29	1.9	5	
S:N	F		39					
	L	17	27.7	45	1.5	7		
M	18	02.18	26	1.9	4			
	F		38					



Fecha y Numero	Comp.	Fase	Hora		Per.	Amplitud		Observaciones		
			h	m		c. min	mm		Abs.	
Dic. 11 180	S:E		23	30.1	45	0.8				
				40.9	26	1.0				
		L		46.5	52	0.8	6			
		M		59.98	19	2.1	3			
		F	01	48						
	S:N			23	30.1	52	0.9			
					32.6	42	1.7			
					41.0	32	3.0			
			L		46.6	65	1.0	10		
			M		58.26	39	2.5	9		
		F	01	49						
Dic. 16 181	S:E	L	07	43.1	45	0.3	2	USCGS: 24°S 175°W H: 06h 57m 57s		
		M		55.91	39	1.1	5			
	F	08	18							
	S:N	L	2	07	43.4	45	0.2		1	
	M	4		55.92	32	0.9	2			
	F	08	32							
Dic. 16 182	S:E	P	11	20.5	13	1.0		Δ aprox. 10.200km USCGS: 39°31'N 118°04'W H: 11h 07m 12s		
		PP		24.1	26	1.0				
				36.5	32	4.4				
	Luego ilegible									
	S:N	P	11	20.4	10;20	1.0				
		PP		24.2	32	1.4				
		PPP		26.2	26	1.5				
				30.3	26	1.6				
				40.2	65	4.8				
			L		46.6	90	6.2		14	
		M	12	04	29	32.0	76			
	Superpuesto al siguiente									
	M:E	PP		11	24.1	6	0.2			
					31.5	15	1.0			
S?				32.7	29	0.8				
				35.4	15	1.0				
PS				37.6	21	1.0				
				41.1	29	0.5				
SS				48.9	55	0.5	21			
				53.9	42	1.0	57			
LR				12	02.02	35	3.0	99		
					07.31	28	3.5	83		
M:N	P		11	20.4	5	0.2				
				24.7	6	0.2				
	PPP			26.1	6	0.2				
				30.5	16	0.8				
	S?			31.5	16	0.5				
				32.6	31	0.3				
	PS			37.7	25	0.3				
				41.2	31	0.8				
	SS			46.6	38	1.0				
				55.2	45	2.1				
	LR			12	04.52	36	3.0	48		
					11.45	28		101	82	

Diciembre de 1954 Cont.

(4)

Fecha y número	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones	
			h	m		Aparente mm	Abs. μ		
Dic.16 183	S:E	PP	2	11 28.3	35	1.5		Δ aprox. 10,200km USCGS: 39°3'N 118° H: 11h 11m 29s	
			31	31.0	35	3.6			
	Las restantes fases confundidas con el anterior								
	S:N	PP	1	11 28.2	26	2.0			
			31	31.0	32	4.5; 12.6			
		PPS	4	37.3	42	4.5; 11.1			
		M	5	12 11	29	45.0	106		
		F		16 04					
Dic.19 184	S:E	iP	1	10 26.88	4	i=+3.0		Δ aprox. 1,500km USCGS: 23°S 66°5'W H: 10h 23m 40s h ~ 250km	
		S	5	29.4	6	?			
		F		12 32					
	S:N	iP	1	10 26.88	4	i=-4.8			
		S	5	29.4	6	> 9.4			
		F		12 17					
	M:E	iP	1	10 26.88	5	i=+0.4; 12.5			
				28.2	5	1.0			
				29.3	5	3.6			
		S	2	30.8	6	2.0	12		
		L	6	31.38	5	11.3	44		
		M	6	38.8	6	2.3	12		
	ScS		11 29						
M:N	iP	1	10 26.88	5	i=-0.7; 14.0				
			29.2	6	1.0				
	S	3	30.8	5	3.0	12			
	L	7	31.72	6	10.0	61			
	M		11 20						
	F								
Dic.20 185	S:E	iP		01 40.84	6	i=-1.7; 2.2		Δ aprox. 1,300km USCGS: Limite Argentino - Chil. H: 01h 38m 01s	
				43.2	13	0.8			
				44.2	13	2.0	3		
				44.83	10	11.3	16		
		F		55					
	S:N	S?		01 43.5	13	1.1; 2.8			
				44.2	19	2.9	5		
		L		44.54	13	8.8	16		
		M		55					
	M:E	iP		01 40.85	5	i=-1.2; 1.2			
				43.3	6	0.7			
		S		44.2	6	1.7	11		
L			44.80	6	3.4	22			
	M		59						
	F								
M:N	P		01 40.9	5	0.2				
			43.1	6	0.5				
	S		44.2	6	2.0	13			
	L		44.52	6	5.5	33			
	M		02 00						
	F								



Fecha y número	Comp.	Fase	Hora		Per. c. min	Amplitud		Observaciones		
			h	m		Apparente mm	Abs. μ			
Dic. 21 186	S:E	PP	1x	20	13.8	10	0.8	Δ aprox. 10,600km USCGS: 40°9'N 123°9'W H: 19h 56m 27s 5		
		SKS	3		18.5	52	1.0			
		PS	6		20.7	25	1.9			
			7		22.6	23	1.6			
			8		24.9	32	2.0			
		SS	10x		27.9	32	1.5			
		SSS	12		31.5	16:39	2.1			
			16		45.1	26	2.8			
		L	17		46.4	39	1.5			
	M	19		56.05	32	3.0	6			
	F	22		55			9			
	S:N	PP	1x	20	13.8	15	1.0			
		PPP	2		15.9	29	0.5			
			4		18.7	23	0.8			
		SKS	5		20.6	26	2.0			
			9		25.1	29	1.1			
		SS	10x		27.9	29	1.9			
		SSS	11		31.3	32	1.1			
		13		36.0	42	1.4				
		14		38.4	52	2.1				
L		15		44.3	39	1.2	4			
M	18		55.99	35	3.0	9				
F	22		52	32	3.1	8				
Dic. 24 187	S:E	L		21	46.5	87	0.4	12		
		M			50.82	49	0.7		5	
		F		22	04					
	S:N	L		21	47.2	65	0.7		7	
		M			52.30	35	0.9			3
		F		22	08					
Dic. 25 188	S:E	L		00	21.6	77	0.6	13		
		M			36.69	39	1.2		5	
		F		01	03					
	S:N	L		00	21.5	84	0.6		11	
		M			37.36	35	1.4			4
		F		01	01					
Dic. 26 189	S:E	P		18	20.2	16	0.7	Δ aprox. 6,300km USCGS: El Salvador H: 18h 10m 35s h ~ 200km		
					21.6	39	1.2			
					22.6	13	1.1			
		PP			23.8	16	0.9			
		PPP			28.3	42	1.3			
		S			29.9	29	0.9			
		ScS?			32.1	23	1.0			
		SS			34.0	45	1.0		6	
		L			37.10	39	1.1		5	
	M		19	27						
	F									
	S:N	P		18	20.2	29	0.9		3	
					21.5	19	0.8			
					22.6	26	1.1			
		PP			25.8	42	0.9			
				28.2	35	0.7				
S				29.8	58	1.0				
ScS?			34.3	45	0.6	5				
L			37.88	42	1.3					
M		19	32							
F										



Fecha y número	Comp.	Fase	Hora		Per. c.min	Amplitud		Observaciones		
						Aparente mm	Abs. μ			
Dic. 28 90	S:E	PKS	1	01	23.2	23	1.1	Δ aprox. 14.600km USCGS: 4°5'S 153°E H: 01h 00m 37s		
		SKKS	3		29.1	19	0.9			
		PPS	5		34.1	23	0.5			
			7		51.7	39	2.2			
			9		54.5	29	2.2			
			11		57.0	26	1.5			
		L	13	02	03.5	58	0.5		5	
		M	14		12.36	32	2.4		7	
		F		03	32					
		S:N	PKS	2	01	23.4	19		0.6	
			SKKS	4		29.2	19		0.6	
	SS		6		39.2	32	0.6; 1.5			
			7		51.7	39	1.4			
			8		54.4	32	1.5			
		10		56.7	39	1.9				
L	12	02	01.9	58	0.7	5				
M	15		15.44	29	1.5	4				
M	16		18.77	32	2.4	6				
F		03	45							
Dic. 28 91	S:E	P	1	02	26.0	13	1.4	Δ aprox. 1.000km H: 02h 23m 33s BCIS: 31°75'S 68°W		
			4		27.4	26	1.6			
		S	6		28.0	16	3.3			
								Luego ilegible		
			F			44				
	S:N	P	3	02	26.2	6	0.6			
			5		27.8	10	1.6			
		M	11		29	13	10.7	19		
			F		42					
	M:E	P	1	02	26.0	4	0.5			
		S	7		28.2	4	1.1			
		L	10		29.0	4	1.0	41		
		M	13		29.40	7	9.5	81		
			F		48					
M:N	P	2	02	26.1	4	0.3				
	S?	8		28.3	8	2.0				
	L	9		28.8	6	5.0	30			
	M	12		29.07	8	13.5	135			
		F		47						

Fecha	Componente	Período	Amplitud máxima		Observaciones
			Aparente	Absoluta	
1954					
Ene. 1	E	4	0.5	3	
5	N	6	0.4	2	
Ene. 6	E	7	0.6	3	
7	N	8	0.4	2	
Ene. 12	E	7	0.5	3	
	N	6	0.4	2	
Ene. 24	E	6	0.5	3	
	N	5	0.3	2	
Feb. 3	E	6	0.6	4	
	N	6	0.3	2	
Feb. 27	E	4	0.5	3	
	N	3	0.5	3	Por 3 hs. sólo
Mar. 24	E	3	0.5	3	
	N	3	0.5	3	
Abr. 5	E	7	0.5	3	
6	N	7	0.5	3	
Abr. 9	E	8	1.0	5	
10	N	10	1.0	5	
May. 9	E	8	0.5	3	
10	N	7	0.5	3	
May. 28	E	7	0.6	3	
29	N	8	0.6	3	
Jun. 11	E	7	0.6	3	
	N	8	0.5	3	
Jun. 28	E	6	0.5	3	
29	N	7	0.5	3	
Jul. 5	E	15	0.5	3	
6	N	15	0.5	3	
Jul. 8	E	15	0.5	3	
9	N	8	0.4	3	
Jul. 14	E	15	0.5	4	
15	N		débil		
Jul. 17	E	11	0.6	3	
18	N		débil		
Jul. 25	E	16	0.5	4	
26	N	14	0.4	3	

Continúa en la pág. n° 2

MICROSISMOS NOTABLES - Cont- año 1954 (2)

Fecha	Componente	Período	Amplitud máxima		Observaciones
			Aparente	Absoluta	
1954					
Ago. 3	E	6	0.6	4	
4	N	5	0.5	3	
Ago. 13	E	6	0.5	3	
	N				
Set. 4	E	6	0.5	3	
	N				
Set. 7	E	6	0.5	3	
10	N	6	0.5	3	
Set. 22	E	6	0.5	3	
23	N	6	0.5	3	
Oct. 5	E	6	0.5	3	
6	N	7	0.6	4	
Oct. 9	E	6	0.5	3	
	N	6	0.5	3	
Oct. 23	E	8	0.5 débil	3	
	N				
Oct. 31	E	6	0.5	3	
	N	6	0.5	3	
Nov. 2	E	8	0.5	3	
	N	8	0.5	3	
Dic. 13	E	9	1.0	5	
15	N	9	1.2	7	
Dic. 17	E	8	0.5	3	
	N	7	0.6	4	
Dic. 20	E	4	1.0	6	
	N	4	0.7	5	