

*Santa Lucia  
Jan - June 1961*

*1961 Jan -*



*(Concepcion Temuco Skiafo)*

UNIVERSIDAD DE CHILE  
Instituto de Geofísica y Sismología

Casilla 2777  
Santiago, Chile.

SIONAL READINGS AT SANTIAGO  
(SANTA LUCIA)

*1961 (Jan - June)*

*Mixed stations throughout  
the bulletin*

*Santiago (many)*

*Concepcion*

*Copiapó*

*Temuco*

*Ref:  
1192*

20:23	Jan.10	eP'	14:41:43
23:34		ePP	44:48
24:12		ePKS	45:26
25:00		eSKKS <sub>1</sub>	51:46
n from SW		eSKS	55:00
7.5°		eSS	15:03:30
4 sec.		eSSS	08:56
6 sec.		e	16:20
		eQ	21:16
		eR	27:36
32:--		Compression	
27:16		Distance 144°	
36:00		MZ 6 u 24 sec.	
33:--		MH 10u 24 sec.	
27:12		Magnitude 6 1/2-6 3/4	
eSKS			
e	11	e	12:30:16
ePS		e(PPS)	36:50
e		e(SS)	41:24
eSS		eSSS	45:00
e		eQ	50:48
e		eR	56:31
eQ		e	13:03:40
eR		Interpretación doubtful	
15:03:40			
Distance 124°	11	eP	19:30:47
MZ 7 u 20 sec.		e	31:25
MH 7 u 20 sec.		e	:32
Magnitude 6 1/4-6 1/2		eS	32:24
5 eP		e	:37
ePP		e	34:00
eSKS		Distance 8°	
eS			
e(PS)	12	eP	19:08:52
eSS		iS	09:16
eQ!		Distance 200 Km	
eR			
44:26			
Distance 101°	5	e	17:06:50
MZ 5u 20 sec		e	08:32
14 eP		e	15:00
ePP		e	19:40
eSKS		e	23:04
e(S)!		e	28:16
ePS		e	33:08
eSS!			
e			
:32			
eQ!	15	eP	08:20:44
eR		e	:48
19:01:20		i!	:54
Distance 101°		e	21:14
Magnitude 6 1/4-6 1/2		e	19
MZ 10 u 20 sec.		eS	27
MH 12 u 20 sec.		Distance 380 Km	
7 eQ			
18:30:04			
eR	17	eR	08:46:10
32:36	17	eR	23:33:38
8 iP			
03:04:35			
iS	18	e(P)	04:24:36
:46		iS	25:02
Distance 80 Km.			



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Jan. 18	i	04:25:31	Jan. 28	eP	14:12:20
1961	i	:56		ePPP	13:30
18	eP	06:23:47		eS	17:16
	eS	24:25		eQ	18:56
	Distance	340 Km		eR	19:44
				Distance	30°
19	eR	06:40:30		MZ	5 u 20 sec.
20	eR	02:36:10		MH	7 u 20 sec.
20	e	17:44:40	28	ePP	20:00:58
	eR	18:02:42		eSKS	07:28
				e	08:40
22	eP	03:38:35		ePS	09:56
	ePP	43:06		eSS	25:--
	eSKS	49:12		e(SSS)	28:--
	eS	50:59		eQ	25:36
	ePS!	52:32		eR	29:26
	e	55:20		Distance	102°
	eSS	57:56		MZ	4 u 20 sec.
	e	58:28		MH	4 u 20 sec.
	eQ	04:09:12			
	eR	13:40	Feb. 1	eP	07:49:51
	Distance	108°	1961	eS	50:08
	Magnitude	6 1/2		Distance	140 Km
	MZ	12 u 20 sec.	1	eP	12:20:37
	MH	12 u 18 sec.		eS	54
22	eR	16:40:30		Distance	140 Km
23	eS	04:12:48	2	eP	16:26:04
	Local			eS	11
23	eP	13:43:44		Distance	55 Km
	e(S)	44:38	3	iP	11:03:16
	e(R)	45:20		i	32
24	e	08:24:40		iS	34
	eQ	35:50		Distance	150 Km
	eR	38:36		MZ	50 u
25	eR	06:12:12		MH	17 u
26	eP	16:27:06	3	iP	12:00:50
	ePP	31:08		eS	01:08
	e	32:20		Dilatation	
	eSKS	37:48		Distance	150 Km
	eS!	38:48		MZ	55 u
	(e)PS	40:44		MH	30 u
	eSS!	45:40	3	iP	12:05:33
	eSSS	49:40		eS	51
	eP'P'	51:01		Distance	150 Km
	eQ	55:34	3	iP	14:07:31
	eR	17:00:00		eS	49
	Distance	102°		Distance	150 Km
	Magnitude	6		MZ	35 u
	MZ	6 u 20 sec.		MH	17 u
	MH	5 u 20 sec.	3	eP	11:30:--
28	eP	03:29:17	3	eP	11:48:--
	ePP	:36		eP	15:47:54
	iS	33:04		eS	48:12
	e	14		Distance	150 Km
	eR	34:20	3	eP	22:25:--
	Compression from N			eS	26:10
	Distance	21°	4	iP	01:35:20
	SH	15 u 20 sec.		e	36
	MZ	7 u 20 sec.		eS	38
				Distance	150 Km



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Feb. 4	iP	01:42:23	Feb. 6	eP	10:33:17
1961	iS	:41	1961	eS	35:56
	Compression			e	36:10
	Distance 150 Km			Distance 15°	
	MZ 17 u 10 sec.		6	eS	10:42:46
4	iP	02:15:51	6	eS	11:40:52
	iS	09		eQ	44:18
	Distance 150 Km			eR	47:12
4	eP	02:39:(26)	6	ePKS	22:05:30
	eS	46		eSKKS	11:16
4	eS	02:40:10		e	12:24
4	eP	03:33:22		ePS	14:10
	eS	40		e	15:20
	Distance 150 Km			eSS	21:36
4	iP	04:00:42		e	:59
	iS	01:00		e(SSS)	25:48
	Compression			eQ	35:52
	Distance 150 Km			eR	42:20
	MZ 35 u 8 sec.			Distance 130°	
4	iP	04:07:27		MZ 6 u 20 sec.	
	eS	45		MH 5 u 20 sec.	
	Distance 45 Km			Magnitude 5 1/2 - 6	
4	eP	04:10:11			
	eS	29	7	iP	14:24:56
	Distance 150 Km			eS	25:14
4	eP	05:57:55		Dilatation from N	
	eS	:13		Distance 150 Km	
	Distance 150 Km			MZ 33 u	
4	eP	06:00:--		MH 11 u	
4	eP	06:26:--	7	iP	14:54:57
	eS	:55		eS	55:15
4	eP	06:27:--		Dilatation from N	
	eS	:45		Distance 150 Km	
				MZ 29 u	
4	iP	07:02:10		MH 13 u	
4	eP	09:43:51			
	eS	44:09	8	e	06:17:48
	Distance 150 Km			e	18:14
4	eP	12:18:37		Local	
	eS	:55	8	e	08:11:16
	Distance 150 Km		9	iP	02:21:00
4	eS	12:21:21		iSKS	31:26
4	iP!	15:24:54		eS	39
	eS!	25:12		eSS	37:42
	Dilatation from N			eQ	44:17
	Distance 150 Km			eR	48:16
	MZ 130 u			Compression	
	MH 130 u			Distance 88,5°	
5	eP	15:47:32		MZ 4,5 u 20 sec.	
	eS	52:56		Magnitude 5 3/4 - 6	
	eQ	56:26	9	eP	13:16:(36)
	Distance 44°			eS	17:35
5	eSKS	18:15:40			
	ePS	18:12	10	iP	07:23:12
	eSS	24:00		iS	30
	eSSS	27:48		Distance 150 Km	
	eQ	33:16		MZ 31 u 10 sec.	
	eR	39:20		MH 15 u	
	Distance 106°		10	eP	14:26:30
				eS	:47
				Distance 140 Km	



PROVISIONAL READINGS AT SANTIAGO  
 (SANTA LUCIA)

Feb. 11 1961	eP	03:51:21	Feb: 19 1961	eP	01:10:38
	eS	:32		eS	54
		Distance 90 Km			Distance 140 Km
11	e	06:34:40	19	eP	01:10:38
	eQ	41:08		eS	54
	eR	45:00			Distance 140 Km
11	iP	21:13:52	20	iP	18:26:27
	eSKS	24:14		eS	53
	eS	:28			Compression from NW
	eQ	37:14			Distance 220 Km
	eR	40:58			MZ 46 u
		Compression			MH 50 u
		Distance 89°	21	iP	05:05:54
		MZ 4 u 28 sec.		iS	06:10
		Magnitude 5 3/4 -6			Distance 140 Km
12	e	01:30:18	21	iP	16:29:02
	e	31:46		eS	14
12	eP!	22:13:26			Distance 100 Km
	e	14:48	22	eP	22:06:18
	ePKS	17:20		eSKS	16:40
	eSKKS	23:28		eS	54
	ePS!	27:14		e(PPS)	18:40
	eSS!	36:12		eSS	22:38
	e	40:04		eQ	29:44
	e	51:12		eR	33:16
	eQ	55:32			Distance 87°
	eR	23:02:--			MZ 2,5 u 27 sec.
		Distance 148°			MH 5 u 27 sec.
		Magnitude 6 3/4	23	eQ	05:26:16
		MZ 25 u 20 sec.		eR	32:10
		MH 27 u 20 sec.	25	eR	15:45:20
13	iP	03:01:34	26	eP'	18:30:48
	eS	52		eB'	31:42
		Distance 150 Km		i(PP)	35:24
13	eS	07:09:52		e	39.50
	eSS	16:12		e	40:54
	eSSS	19:52		eSKKS <sub>1</sub>	42:00
	e(Q)	22:36		eSKKS <sub>2</sub>	42
	eR	28:08		eSKSP	45:44
		Distance 94°		ePPS	48:44
		MZ 2,5 u 25 sec.		eSS	55:06
15	eP'	11:04:58		eSSS	18:01:32
	e	23:43		eQ	13:00
	e	24:20		eR	22:40
	eSS	27:40			Compression from West
	e	29:04			Distance 156°
	eSSS	33:04			Magnitude 7 - 7 1/4
	eQ	46:59			P'Z 10 u 13 sec.
	eR	53:36			MZ 44 u 20 sec.
		Distance 150°			MH 80 u 20 sec.
		MZ 2 u 20 sec.	27	eP	10:31:13
		MH 4 u 20 sec.		e	32:14
		Magnitude 6		eS	29
18	eS	17:20:38			Distance 720 Km
	eQ	27:00			MZ 23 u 12 sec.
	eR	30:16			MH 65 u
		Distance 62°			
		MZ 3 u 20 sec.			

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Feb:28 1961	eP	21:20:56	Mar: 8	eP	12:54:05
				e	55:32
				eS	:40
Mar. 1	iP	23:21:22		Distance	950 Km
	iS	:30		MH	10,5 u
	Distance	70 Km		MZ	9,0 u
1	eP	23:50:38			
	eS	57:07	9	eS	22:02:28
	e	12		eQ	05:48
	eQ	00:00:24	9	eR	07:36
	e	01:40	9	eP	22:42:--
	eR	02:46	9	eS	43:35
	Distance	430 Km	9	eS	23:47:44
	MZ	4 u 20 sec.			
	MH	4 u 20 sec.	10	eS	03:23:36
2	eS	15:33:40		eSS	29:10
	e	45		eQ	35:48
	eQ	36:52		eR	39:32
	e	38:12		Distance	87°
	eR	39:12			
	Distance	43°	11	eP'	01:55:05
	MZ	3 u 20 sec.		ePP	54:17
	MH	3 u 20 sec.		ePKS	42
				ePPS	02:06:48
3	e(S)	22:56:40		eSS	13,1
3	e(P)	23:56:11		eSSS	18,5
	eS	57:07		eQ	31,5
	Distance	530 Km		eR	38,6
	MZ	22 u		Distance	145°
	MH	30 u		Magnitude	6 1/2
6	iP	03:25:46		MZ	2 u 20 sec.
	iS	50		MH	3 u 20 sec.
	Distance	30 Km	12	iP	01:25:15
6	iP	08:05:41		eS	26:00
7	eP	06:46:06		Distance	405 Km
	epP	20	12	iP	15:43:25
	esP	32		iS	44:37
	e	48:47		Compression	from S
	e(S)	49:00	12	Distance	95 Km
	e	:10	12	eQ	23:55:30
	Compression	from SW	13	eR	59:54
	Distance	17°		eP	08:14:07
	MZ	15 u		ePPP	17:46
	MH	25 u		eS	22:37
7	iP	10:23:17		eSS	26:44
	eS	33:42		eQ	30:00
	eSS	39:24		eR	33:32
	eQ	46:08		Distance	64°
	eR	50:01		MZ	5 u 20 sec.
	Dilatation	from SW		MH	8 u 20 sec.
	Distance	86°	13	eP	19:05:18
	Magnitude	7 1/4			
	PZ	21 u 10 sec.	15	iP	02:06:21
	PH	15 u 10 sec.		iS	32,5
	SH	90 u 19 sec.		Distance	95 Km
	QH	110 u 56 sec.	15	e(SS)	10:53:00
	RH	95 u 20 sec.		e(SSS)	57:56
	RZ	50 u 20 sec.		eQ	11:07:20
				eR	14:32
				Distance	(132°)
			14	e	14:08:26
				e	17:42
				e	22:00
				e	43:00
				e	49:56

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 Director



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 PROVISIONAL READINGS AT SANTIAGO  
 (SANTA LUCIA)

Date	Time	Station	Time	Station	Time
Mar. 15 1961	00:02:46	iP	Mar. 20	eP	16:06:04
17	10:18:42	eP		<del>iP!</del>	06:52
	19:(45)	eS		isP!	07:18
	20:20	eR		ePP	09:42
17	12:26:(50)	eP		iSKS!	16:18
	27:39	eS		eS	:50
	28:22	eR		iSP!	17:56
17	14:22:12	e		esPS	19:18
	30:02	eS		eSS	22:56
	31:28	e		esSS	24:--
	36:24	eSS		eQ	30,9
	43:12	eQ		Distance 91°	
	47:30	eR	20	Depth ± 200 km	
	Distance 90°			iP	17:40:06
17	20:25:04	e		iS	22
	33:57	eS		Distance 125 Km	
	35:18	e	21		
	40:14	eSS		i	00:06:00
	44:00	eSSS		Change of paper	
	47:06	eQ	22		
	51:20	eR		iP	18:55:28,5
	Distance 90°			iS	36
MH 4 u 20 sec.			22	Distance 60 KM	
MZ 2 u 20 sec.				eL	21:26:00
18	13:56:20	iP	24	iP	04:18:33
	:37	i		iS	59
	:54	iS	24	Distance 220 Km	
	Distance 300 Km			iP	15:18:04
18	15:07:38	eP	24	iS	23
	17:58	iS		Distance 155 Km	
	23:32	eSS		iP	19:57:22
	26:50	eSSS		iS	40
	30:12	eQ	26	Distance 150 Km	
	Dilatation from SW				
	Distance 84°			iP	09:40:35
	Magnitude 6 1/2 - 6 3/4			iS	57
	QH 100 u 50 sec.	27		Distance 170 Km	
	RH 20 u 20 sec.				
	RZ 20 u 20 sec.			e	21:10,2
19	07:42:45	ePS	28	e	14:30
	48:36	eSS		e(Q)	18:48
	55:00	e		eR	23:24
	59:12	eQ			
	08:04:00	eR		iP'	09:55:26
	Distance 110°			ipP'	:58
19	10:14:(20)	eP		e(PKS)	59:11
	34	e		ePPS	10:11:04
	(16)	eS		eSS	17:28
20	06:31:38	e(S)		eSSP	18:10
	34:34	e(SKS)		e	32:--
	35:30	e(Q)		e Q	36:--
	38:20	eR		e(R)	44:14
20	12:15:45	eP		Distance 145° -Depth 100K	
	:54	e		Magnitude 6 3/4	
	16:28	eS		PZ 15 u 20 sec.	
	Distance 390 Km			MZ 20 u 38 sec.	
				MH 45 u 36 sec.	

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(SANTA LUCIA)

Mar.28	iP	19:49:56
1961	iS	50:14,5
	Distance	150 Km
28	iP	21:04:40
	e(pP)	05:11
	e	43
	eS	06:50
	Distance	11,5
30	iSKS	09:13:28
	eS	14:04
	ePS	15:12
	eSS	20:08
	eQ	27:00
	eR	32:04
	Distance	92°
31	eP	13:40:55
	iS	44:22
	Distance	20°
31	iP	23:19:52
	eS	20:35
	Distance	390 Km

450  
520  
+



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PROVISIONAL READINGS AT SANTIAGO  
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*Apr-Tm*

April 1 1961	e	15:38:42	April 25 1961	eP	13:54:17,5
	e	42:14		eS	38
	i	16:01:52			Distance 160 km
	i	02:40	25	eP	15:06:05
	e(R)	34:--		eS	15
2	iP	23:58:54			Distance 80 km
3	iP	04:17:32	26	e	08:22:16
	iS	42		e	39:54
		Distance 80 km		e(R)	46:12
3	iP	13:18:09	27	eP	05:23:47
	iS	20		eS	24:04
		Distance 85 km			Distance 125 km
3	iP	18:01:38	27	iP	05:28:21,5
	iS	54		iS	37,0
		Distance 150 km			Compression
					Distance 125 km
<p>Por reparación de la estación no existen los sismogramas del 7 - 10 de Abril. Los sismos que aparecen son del PC de la Escuela.</p> <p>As the station was undergoing some reparations we have no seismograms for the days 7 - 10 of April. The seismos shown are registred on the PC of the Eng. School of the University.</p>					
April 8	eB!	18:01:02	27	eP	05:31:04
12	eP	22:29:17		iS	21,5
	epP	37			Distance 140 km
	eS	36:24	27	iP	05:51:21
	e	44		iS	38
	e(Q)	40:20			Compression
	eR	43:48			Distance 140 km
		Distance 50°	27	iP	06:08:24
13	iP	07:16:02		eS	29
	eS	(16)			Dilatation
15	eP	09:13:33			Distance 45 km
	eS	14:37	27	eP	06:08:38,5
		Distance 590 km		iS	40,5
17	iP	02:32:46			Distance 13 Km
	eS	33:01	29	iP	01:42:31,2
		Distance 150 km		eS	54
17	eP	07:31:52			Compression
18	eP	18:50:49			Distance 190 km
	e(S)	51:42	29	iP	23:26:42,5
19	nada	- nothing		local	
			30	eR	15:31:20
			Mayo 1	iP	15:00:30,5
			1	eP	15:37:01
				eS	51
					Distance 460 km
			1	eP	22:28:01
				e(S)	29:21

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 Director



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PROVISIONAL READINGS

CONCEPCION

April 15 1961	iP 13:07:11,5 iS 14,5 Distance 25 km	May 4 1961	eP 12:33:34,5 iS 40 Distance 45 km
16	eP 23:16:47,5 iS 52,0 Distance 35 km	11	iP 08:38:41,8 iS 52,0 Distance 80 km Amplitude 5,5 mm Hagiwara
17	iP 20:23:12,5 iS 25 Distance 100 km	11	iP 08:48:15,2 ES 25,4 Distance 80 km
17	iP 21:06:00 iS 11 Distance 90 km	13	iP 07:48:25,2 iS 30,5 Distance 45 km Ampl. 3mm Hagiwara
18	eP 14:26:46,5	13	iP 10:25:55,2 eS 26:00,5 Distance 45 km
18	eP 18:49:51 eS 09 Distance 140 km	14	eP 09:02:47,4 eS 52,5 Distance 40 km
20	eP 14:23:26	15	iP 21:26:40;0 iS 55,0 Distance 120 km
26	eP 02:04:34 eS 44,5 Distance 90 km	18	iP 10:17:31,5 iS 36 Distance 45 km
26	iP 15:15:22 eS 25,2 Distance 25 km	18	eP 23:10:43,5 eS .11:00 Distance 135 km Ampl. Bosch 11 mm
27	eP 20:27:10 eS 15,5 Distance 40 km	22	eP 20:48:51 iS 56 Distance 40 km
28	eP 13:04:21,5 eS 33 Distance 100 km	25	eP 02:30:(35) eS 31:06
29	eP 01:42:22,5 eS 42 Distance 140 km	25	eP 13:32:09,5 eS 19,5 Distance 85 km
May 1	iP 07:52:06 iS 10,5 Distance 40 km	29	eP 07:28:(51,5) eS 29:(14)
1	iP 13:27:30 iS 34 Distance 40 km	June 2	eP 02:20:25,0 eS 31,0 Distance 45 km
1	eP 22:27:11 iS 23,5 Distance 100 km	June 4	eP 09:25:(00,5) eS :04
		9	iP 02:06:(22) iS (44) Distance 180 km

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PROVISIONAL READINGS AT SANTIAGO  
(SANTA LUCIA)

May 2 1961	iP 22:57:30,5 eS 23:07:56 eSS 13:48 eQ 20:40 eR 24:38 Compression Distance 86° MZ 20 u 16 sec MH 35 u 16 sec PZ 3,5u 8 sec Magnitude 6 1/2	May 11 1961	iP 08:39:36 e 40:40 Distance 590 km Magnitude 5 1/2 - 6 (El día 11 hubo corte de corriente desde las 24 - 6 u.t.) (On the 11th there was short-circuit from 24 to 6 u.t.)
5	iP 04:13:45 local	13	iP 07:49:21,3 i 50:21 eS 24 e 46 Distance 590 km
5	eP 13:56:02 e(PP) 59:41 eS 14:06:31 e 44 e 10:00(Same shock?) eSS 12:30 eR 23:10 Distance 86°	13	iP 14:29:14 e(R) 15:00:42 3(R) 15:10:00
5	eR 13:35:00	15	eP 05:35:35,5 e(R) 48:--
5	eP 18:51:21	15	iP 08:34:09 eS (30)
6	iP 17:46:13,8 eS 2:24 Distance 80 km	17	iP 06:17:37,5 eS 18:10 Dilatation Dist. 285 km
6	e 19:56:28 eI 20:03:08 eR 06:20	17	iPKS 19:51:54,5 eSS 20:08:16 e 10:40 eQ 24:02 eR 30:00 Distance about 130°
7	e 01:01:51 eSS 03:04 e 06:26 e 14:04 eQ 16:56 eR 23,3	18	iP 07:37:49,6 iS 38:07 Distance 60 km
7	e(R) 02:20:--	18	eP 10:18:37 eS 19:35 Distance 540 km Small
7	eP 10:42:20 i 25 i 46:19 eR 11:14:15(same shock?)	18	eP 23:11:34,5 e 12:32 eS 44 Distance 670 km
8	iP 01:55:05 iS 36 e(R) 52 Dilatation from NE Distance 360 km	19	iP 23:57:49,5 i 54 i 56 eS 58:30 e(1) 58
8	eP 19:25:48 i 51 e 27:10 iS 36 i(R) 28:04 Distance 9° MZ 50 u MH 95 u Magnitude 5,5		

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PROVISIONAL READINGS

COPIAPO

May 8 1961	iP 19:24:17 iS 48 Distance 280 km	June 14 1961	iP 03:47:(57)
10	iP 12:25:41 iS 50 Distance 25 km	14	iP 06:21:19 iS :32 Distance 110 km
11	eP 08:41:(33) eS 43:32	NOTE: The readings are not exact due to irregularities of the rotations of the drum.	
20	eP 23:36:05 iS :15 Distance 85 km		
25	iP 01:06:04 iS :13 Distance 75 km		
25	iP 04:45:(33)		

PROVISIONAL READINGS

TEMUCO

May 4 1961	iP 01:05:11,5 iS 18,5 Distance 50 km	May 29 1961	iP 07:28:33,4 eS 45 Distance 95 km MH 2,5 mm Hagiwara
11	eP 08:38:54 eS 39:16 Distance 175 km	31	eP 16:31:06,3 iS 16,7 Distance 90 km MH 5 mm Hagiwara
19	eP 19:10:35,0 eS 43,5 Distance 70 km		

PROVISIONAL READINGS

CONCEPCION

April 1 1961	eP 09:33:39 eS 49 Distance 80 km	April 14 1961	iP 17:25:16,5 i 18,8 iS 20,0 Distance 30 km
8	iP 18:00:(12) eS (27) Distance (120)km No time marks Amplitude Bosch 110mm C. Lomnitz Director	15	eP 09:12:37,5 iS 50,5 Distance 105 km Amplitude Bosch 12 mm

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 PROVISIONAL READINGS AT SANTIAGO  
 (SANTA LUCIA)

May 20 1961	eP 12:13:18,5 i 25,3 eS 14:08 e(R) 30	May 23 1961	eP' 03:03:58,3 e 41 e 53 ePP 05:12 eSKS 10:44 eSKKS 12:16 ePS! 14:47 eSS 21:16 eSSS 26:00 eQ 34:-- eR 41:-- Distance 119° MZ 9.5 u 20 sec MH 11 u 20 sec Magnitude 6 1/4 - 6 1/2
21	iP 03:42:22 eS 42,5 Compression Distance 165 km Small		
21	eP 11:17:42,0 eS 18:08,5 Distance 225 km Small		
21	iP 12:46:57,5 iS 47:15.5 Distance 145 km Small	23	iP 03:48:30,4 e 45
21	eP 17:47:52 eR 57:12	23	iP 03:51:13,5
22	iP 02:02:24 i 26,5 eS 03:(00) Distance 320 km	23	eP 16:53:31,5 epP 52 eS 17:00:27 eR 07:58 Distance 50° Depth 100 km MZ 2.5 u MH 3 u Magnitude 5 1/4
22	iP 06:24:15.9 iS 34.8 Distance 160 km Small	25	eP 00:26:50,4 e 37,2 Small local
22	eP 13:57:26,5 iS 14:07:48 e 09:10 eSS 14:12 eR 25:18 Compression Distance 89° MZ 9 u 16 sec MH 7 u 18 sec. Magnitude 6	25	eP 02:00:36 Small local
22	eP 17:45:18,6 ipP 22,5 e 49:25 iS 56:10 eSKSP 57:11 eSS 18:02:36 eSSS 06:-- eQ 08:54 iR 13:22 Dilatation Dist. 91° Magnitude 6 1/4 MZ 14 u 26 sec MH 17 u 26 sec	25	eP 04:45:45,5 e 53,5 e(S) 46:13 Distance (230 km) Small
		26	iP 03:28:34,9 ePP 29:43 eS 33:47 iR 36:38 Distance 34° MZ 4.5 u 18 sec MH 6 u 22 sec Magnitude 5 1/4
		26	iP 03:52:34,5 iS 56 Distance 175 km Small

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 PROVISIONAL READINGS AT SANTIAGO  
 (SANTA LUCIA)

May 26 1961	eP 04:42:34,0 ePP 43:44 eS 47:47 eR 50:39 Distance 34° MZ 4 u 18 sec MH 5 u 22 sec Magnitude 5 - 5 1/4	June 7 1961	iP 15:10:56,5 eS 11:13 Distance 135 km
		10	iP 00:22:02 iS 22 Distance 160 km
26	iP 05:15:33,0	10	eP 09:01(17) eS 08:40 eQ 13:44 eR 16:43 Distance 52°
27	iP 11:18:24,8 Small local		
29	iP 07:29:43,4 e 30:48 e 31:02 e 15 MZ 50 u MH 70 u	10	iP 11:45:13,4 iS 24,4 Distance 90 km Felt Santiago (IV)
31	iP 16:32:04,2 e 33:12 eS 22 Distance 730 km	10	eP 20:39:01 Change of Paper
June 2	iP 02:21:14,3 eS 22:20 Distance 620 km	11	eP 05:29:47 ePP 30:12 e 31:08 i 34 eSS 50:00 eSSP 24 eQ 06:05:12 eR 14:52 Distance 133° Magnitude 6 3/4 - 7 MZ 33 u 20 sec MH 40 u 20 sec
2	ePP 05:10:42 ePS 20:27 eSS 26:30 eSSS 30:36 eQ 36:08 eR 43:40 Distance 113° MZ 15 u 20 sec MH 20 u 20 sec Magnitude 6 1/2	13	eP 06:32:36 eR 40:20
2	iP 12:49:49 Local	13	eR 17:36:30
5	iP 13:20:57,1 iS 21:10,2 Distance 110 km	16	e 03:49:16 eQ 52:41 eR 55:20
7	eP 14:25:38 eS 34:06 eQ 40,5 eR 44,2 Distance 46° MZ 14 u 12 sec Magnitude 5 3/4	16	eP 07:10:18,5 e 12:04 e 12 e 26 e 50 MH 50 u 14 sec MZ 38 u 10 sec

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 PROVISIONAL READINGS AT SANTIAGO  
 (SANTA LUCIA)

 June 16 1961 eP 10:39:42  
 ipP 40:06  
 e(PcP) 42:16  
 e(ScP) 45:16  
 e(PcS) 48  
 el 47:00  
 eScS 31  
 Depth 100 km  
 Distance about 35°

 June 27 eP or ePKP 07:25:11,0  
 (same shock?)  
 e 29:05,6  
 e 35:47  
 e 36:52  
 e 39:28  
 e 49:04  
 e 50:48

 17 ipP 11:01:26,4  
 e 03:03  
 e 05:20  
 iS 31  
 e 07:49  
 Distance 23,5°

 27 iP 15:23:31,4  
 eS 24:47  
 Distance 700 km

 17 eP 15:16:33,2  
 e 42  
 e 17:50  
 iS 23:55  
 eSS 27:30  
 eQ 29,5  
 eR 31:36  
 Distance 52°  
 Magnitude 5 3/4  
 MZ 11 u 20 sec  
 MH 13 u 20 sec

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17 eR 19:04:32

 17 eP 21:00:24,0  
 i 34,5  
 local

 18 e 22:30:08  
 eR 37:52

 20 eP 01:03:24  
 e 04:29,5  
 local ?

 20 eP 04:23:25,4  
 i 26,3  
 i 24:50  
 e 58  
 e 25:05

 24 iP 12:12:36,9  
 e(S) 13:55  
 e(S) 14:06

 25 iP 19:33:25,0  
 i 33,4  
 eS 34:37  
 e 52  
 Distance 670 km