

UNIVERSIDAD DE CHILE
 Instituto de Geofísica y Sismología

Casilla 2777
 Santiago, Chile.

PROVISIONAL READINGS AT SANTIAGO
 (SANTA LUCIA)

April 10 1962	eP 12:35:57 e(PPP) 36:19,5 eS 37:06 Distance 650 km	April 11 1962	eP 01:21:33,5 e(S) 22:28 Small
10	eP 14:10:27 eS 11:35 Distance 650 km	11	L 11:50:20
10	eP 14:35:05,1 e(S) 36:20,5 e 28 e(R) 36	11	eP 14:31:41 eS 32:18 Distance 330 km
10	eP 17:00:15 eS 01:28 e(R) 54 Distance 680 km	12	eP 01:12:35,5 Distant. Lecture difficulted by microseisms MZ 69u, 14 sec MH 87u, 14 sec
10	e(G) 22:30:-- eR 37:18 "First phase: from this shock not avai- lable caused by paper changing". MZ 12.5u, 16 sec MH 18.5u, 16 sec	12	eP 06:44:57 Local
		12	eP 16:37:20,9 eS 38:24 Distance 590 km.

PROVISIONAL READINGS AT CONCEPCION

April 1 1962	iP 06:01:45 iS 02:04,3 Distance 155 km	April 8 1962	iP 20:59:11,6 iS 26,5
2	eP 02:59:05,3 iS 21 Distance 125 km	10	iP 12:35:07 iS 18,2 Distance 90 km
3	iP 06:48:04,5 iS 20 Distance 125 km	10	iP 14:09:35,5 iS 48 Distance 100 km
7	eP 10:57:45 iS 57	10	iP 14:34:13,6 iS 24,5 Distance 85 km
7	eP 13:01:06,4 iS 29	10	iP 16:59:25,6 iS 37 Distance 90 km
8	iP 01:44:07 iS 20	11	iP 20:58:18,5 iS 34,5

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PROVISIONAL READINGS AT SANTIAGO
 (SANTA LUCIA)

April 12 1962 eP 23:45:05
 eS 38
 Distance 300 km
 Small

13 eP 06:31:57

14 eP 20:20:07
 e(S) 30

14 eP 20:43:23.6
 eS 44:38
 Distance 690 km

15 eP 18:18:49
 ePPP 22:51
 eS 27:34
 eG 35:56
 e(R) 39:03
 Distance 69°
 MZ 3u, 14.5 sec
 MH 5.5u, 14.5 sec
 Magnitude 5.6

15 eP 23:28:21
 eR 29:46

16 eP 07:13:04

16 eP 10:11:35.5

17 eP 11:37:49.5
 iS 38:17
 Distance 225 km

17 e(P) 22:45:07
 eS 53:34
 eG 23:00:02
 e(R) 04:--

April 18 1962 eP 01:45:24
 Small Local

18 eP 18:23:06.5

X 18 iP 19:19:55.1
 Dilatation from NE
 Forthcoming phases
 not readable.
 PZ 12.5u, 8 sec
 MZ 50u, 12 sec
 MH 66u, 12 sec.

20 eP 05:57:15.3
 eS 06:04:44
 eR 12:28
 Distance 53½°
 PZ 8u, 8 sec
 MZ 27u, 20 sec
 Magnitude about
 6.0 - 6.5

20 iP 09:25:43.5
 Local

22 iP 00:10:14
 Small Local

22 eP 04:32:10
 Small

22 eP 04:54:51.5
 eR 05:10:22

PROVISIONAL READINGS AT CONCEPCION

April 14 1962 eP 20:42:32.2
 iS 46.6
 Distance 120 km

15 iP 21:46:09.2
 iS 32.2

April 15 1962 iP 23:27:33.4
 iS 54

16 eP 07:12:13.9
 iS 25.6

16 eP 10:05:41.5

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May 1962	12	L	19:10:--	May 1962	18	e(P)	03:12:04.5
	12	eP	22:40:58		18	eP	07:51:00
		eS	41:06			eS	52:14
		eR	34			eR	58
			Distance 630 km.				Distance 690 km.
	13	eP	01:51:41		18	eP	14:47:56
			Small Local			e(S)	49:24
	13	eP	13:36:32		18	e(P)	17:18:53
		eS	37:08				
			Distance 320 km.		19	eP	15:08:01
	15	eP or eP'	05:43:02			e	09:06
			Distant shock			e(PP)	10:32
			Forthcoming phases unreadable.			eS	15:51
	15	e(P)	06:16:37			eSS	19:52
						eSSS!	22:04
	15	eP	06:44:34.5			R	24:48
			Small				Compression?
	15	eP	08:41:03.5				Distance 57½°
		eS	39				PZ 8u, 6 sec
			Compression				MZ 38u, 16 sec
			Distance 310 km.				MH 83u, 15 sec
	15	e(P)	18:32:31		20	iP	21:34:48.8
	15	eP	20:51:41				Small Local
			Small Local		21	eP	04:27:18.3
	15	eP	21:32:06.1				Small
		iS	33:22.1		21	eP	12:22:59.5
			Distance 710 km.			e(PP)	24:10
	16	eP	00:40:42			e(S)	27:59
		e(S)	41:14			e	34:34
	17	e(P)	06:56:52.5				Depth about 150 km
	17	eP	11:14:29		21	eP	21:28:09.2
		eS	38			ePP	29:38
			Distance 75 km.			e(PcP)	30:26
						eS	33:56
						R	38:00
							Distance 37°
							MH 59.5u, 14 sec
							Magnitude about 6.0

PROVISIONAL READINGS AT CONCEPCION

May 1962	2	iP	20:58:15.3	May 1962	7	iP	14:55:53
	3	iP	00:29:17.2			iS	56:10.2
	3	eP	10:23:09				Distance 135 km.
	3	eP	10:56:46		7	iP	16:35:54.5
	6	iP	05:21:17.7			iS	36:11.4
		iS	31.5				Distance 135 km.
			Distance 110 km.		11	e(S)	14:30:00
	6	e(P)	19:06:59		12	iP	22:39:47.2
						iS	40:15.6
							Distance 245 km.

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PROVISIONAL READINGS AT CONCEPCION

May 15 (P)	05:45:--	May 18 eP	14:47:10.9
1962 Distant shock		1962 iS	35.8
			Distance 205 km.
15 eP	08:40:52.9		
iS	41:13.8	19 (P)	15:08:--
Distance 170 km.			Distant shock?
18 eP	07:50:15		
iS	39.5		
Distance 205 km.			

PROVISIONAL READINGS AT GONZALEZ VIDELA STATION
 (ANTARCTICA)

May 11 e(P)	14:24:39	May 15 eP	05:42:31
1962 ✓ e(PP)	28:08.6	1962 ✓ i(S)	51:43.2
✓ eSKS	34:59		
iSSP	41:10	19 ✓ e(P)	15:21:21.2
e(R)	52:42		

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PROVISIONAL READINGS AT SANTIAGO
 (SANTA LUCIA)

May 1962	22	eP Small	03:50:19 Local	May 1962	28	eP eS Small	04:09:28 52.5
	22	eP Small	06:07:13 Local		28	e	06:36:14
	22	e(S) eL	08:36:38 51:48		28	iP iS	23:49:45.1 50:13.1
	22	eL	23:03:--			Compression from SW Distance 230 km. Magnitude about 4½	
	23	eP e(S)	08:16:33.5 17:02		29	eP eS R	11:01:03.5 02:19 50
	23	eP e(S)	16:59:32 17:00:05			Distance 710 km. Small	
	23	e(P)	20:18:50		29	eP e(S) eG eR	20:39:40 45:10 47:04 49:03
	24	e	05:56:47		29	eL	22:09:09
	24	e(P)	16:55:53.5		30	eP e(S)	04:16:23.4 42
	25	L	05:02:--		30	e(P) eL	10:13:50 33:20
	25	eP e(S)	21:30:41.2 31:56		30	eP eS	16:11:40.4 12:08
	26	eP e(S) e eL MH	12:53:32.6 55:54 56:19 30 13.5u, 10 sec			Distance 230 km.	
	26	eP iS	16:07:27.8 40.3		31	eP e(S)	06:47:23 50
		Distance 100 km.				Small	
	27	e	03:29:40		31	e eL	07:02:52 10:50
	27	e(P)	04:18:00		31	e(P)	07:40:50
	27	iP iS	15:37:39.3 53			Small	
		Dilatation Distance 110 km.			31	eP eS	21:20:21 21:33
	27	eP eS	21:14:07 42			Distance 670 km. Magnitude about 3½	
		Dilatation? Distance 310 km.					

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June 1962	1	e(P)	13:09:43.2	June 1962	5	e	09:46:41
	2	eP e(S)	05:10:47.1 11:08		5	eP e(S) Small	16:00:14.6 46
	2	e(P)	07:21:45.5		6	eP. e(S)	10:34:20.9 35:52.3
	3	eP Small Local	06:08:36		6	e(P)	13:14:39.8
	3	e	12:48:06		7	e(P) e(S) Small	07:53:11 54:19.5
	3	e(P) eL	15:12:38.6 33:27.6		7	e(P) Local	13:39:55.5
	3	eP Small Local	23:01:39.5		7	i(P) Local	19:13:36
	4	e(P) Small Local	05:35:00		9	eP e(S) Small	08:08:04.6 19.2
	4	e	06:02:43		9	e(P)	11:20:54
	4	i(P) Small	06:04:26.3		9	e	11:24:21.5
	4	iP Local	08:59:47.5		9	eP	23:53:00
	4	iP Local	09:06:02.5		10	eP eS Distance 300 km.	01:45:03.7 38
	4	eP Small Local	17:37:35.5		10	e	04:02:54

PROVISIONAL READINGS AT CONCEPCION

May 1962	27	iP	15:39:17.6	June 1962	2	iP iS Dilatation	12:10:26.2 27.7
	30	eP iS Distance 200 km.	16:11:45 12:09.5		6	eP iS Compression from SE Distance 180 km.	10:33:30.9 53
	31	iP iS Dilatation from NE? Distance 120 km.	21:19:30 45		7	eP iS Distance 90 km.	09:52:04.5 15.6

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June 1962

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PROVISIONAL READINGS AT SANTIAGO
(SANTA LUCIA)

June 10 1962	iP 23:47:28 eS 44 Dilatation Distance 130 km.	June 16 1962	eP 22:11:17.5 eS 12:30 Distance 680 km. Small
11	eP 14:40:17 Small	16	eP 23:31:16 Small Local
12	e(P) 12:20:48	17	iP 02:45:17 eS 30.5 Small
12	e 23:53:38		
13	e(P) 07:09:41 Small	17	eP 14:36:18
13	eP 10:54:55.5 Small Local	18	eP 09:20:35 e(S) 48 Small
13	iP 18:48:36 Local	19	eP 01:10:06.5 e(S) 11:17.5 Small
13	iP 23:43:54.5 e(S) 44:22 Small	19	eP 03:18:35 e(S) 20:02 Small
14	eP 08:40:02.5 L 54:--	20	eP 05:46:19.3 Small Local
14	e 21:05:11	20	e 08:17:23
15	eP 06:33:56.4 eS 36:29.3 eSSS 37:05 eR 36 Distance 14½° MH 44u, 11 sec. Magnitude about 5.5	20	eP 22:01:35 eS 02:30 R 46 Distance 500 km.
15	e(P) 06:48:29	20	iP 23:20:09 iS 30 Distance 170 km. Small
15	e(P) 12:14:34		
16	eP 22:01:11 eS 02:17 e(SSS) 35 Distance 610 km.		

PROVISIONAL READINGS AT CONCEPCION

June 12 1962	eP 00:50:08 iS 12 Distance 30 km.	June 13 1962	eP 07:08:51.8
12	eP 06:06:23 iS 25.8 Distance 25 km.	14	iP 21:04:33.4 iS 49.9 Distance 130 km.
13	iP 02:42:51.7 iS 57 Distance 40 km.	17	iP 00:51:23.5 iS 27 Distance 30 km.

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PROVISIONAL READINGS AT SANTIAGO
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June 1962	21	eP	04:51:21	June 1962	26	iP	01:35:29.8
		eS	57:32			Small	Local
		e(G)	59:31		26	eP	07:30:04.5
		e	05:00:31		27	eP	06:39:51.5
		eR	02:22			e(S)	40:54.5
		Distance	40°			Small	
	21	eP	11:30:30.5		27	e(P)	08:32:37
		e(S)	47.5				
		Small			27	eP	09:29:27
	21	eP	18:59:39.2			Small	
		eS	19:00:56		27	iP	13:34:52
		e(R)	01:14			eS	36:08
		Distance	710 km.			Dilatation	
	23	eP	10:09:23			Distance	710 km.
	23	iP	15:02:48		27	e(G)	14:29:--
		i(S)	03:05				
		Dilatation	from NW?		27	e(F)	15:21:42
		Distance	130 km.			Small	
		Magnitude	about 4.5		27	eP	19:49:40
	23	iP	15:46:07.2			Small	
		eS	24		27	e(P)	21:22:00
		Dilatation			28	e(P)	09:30:24
		Distance	130 km.		29	e(P)	06:44:14
		Magnitude	about 4.0		29	iP	08:12:20
	24	e(P)	04:57:08			Small	Local
		Small	Local		30	iP	03:09:47
	24	eP	15:23:33			iS	10:07
		e(S)	24:05			Dilatation	
		Small				Distance	160 km.
	24	e(P)	07:27:14		30	e(P)	04:12:10
		Small	Local		30	eP	05:27:54.5
	24	eP	10:51:00		30	iP	07:36:37.5
		Small				Small	Local
	24	eP	16:35:49		30	iP	19:34:55
		e(S)	36:19			iS	35:15
		Small				Dilatation?	
	25	eP	02:52:07.5			Distance	160 km.
		e(S)	54:55.5		30	eP	20:26:37.5
	25	eP	04:58:34			eS	29:14
		Small				eR	30:06
	25	iP	06:27:55			Distance	14½°
		eS	28:59				
		Compression					
		Distance	590 km.				
	25	e(P)	11:31:30				

PROVISIONAL READINGS AT CONCEPCION

June 1962	19	iP	01:09:11.8	June 1962	19	eP	08:17:44.3
		iS	17.4			i(S)	18:00
		Distance	45 km.				

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PROVISIONAL READINGS AT CONCEPCION

June 1962	21	iP	00:38:29.9	June 1962	26	eP	05:54:15.4
						iS	30.6
	21	iP	18:58:04.2			Distance	120 km.
		iS	59:12.5		26	eP	06:21:09.8
		Distance	65 km.			iS	25.2
	23	eP	15:04:08.2			Distance	125 km.
		iS	43.7		26	eP	19:36:22.8
		Distance	310 km.			iS	28.8
	25	eP	22:38:05.5			Distance	50 km.
		iS	20.5		27	eP	00:10:28.8
		Distance	120 km.			iS	44.3
	25	eP	22:50:28			Distance	125 km.
	25	eP	22:52:04.2		27	iP	21:21:15.5
		iS	19.5				
		Distance	120 km.		30	eP	12:58:27.5

P. Welkner
 Seismologist.

In view of the excessive cost of airmail postage, since next July we will send this bulletin by ordinary mail to those Seismological Institutions who are in agreement with this arrangement. If not, let us know your decisions in connection with this matter.

July 1962

Concepción
J.P.

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PROVISIONAL READINGS AT SANTIAGO

July 2 1962	eP 00:13:10.5 eS 31.5 Distance 160 km. Small.	July 6 1962	eP 10:09:07 e(S) 32.5
3	e(L) 09:00:56	6	i(P) 18:01:49 Small Local.
3	eP 18:22:52 e(PP) 25:38 eS 30:24 esScS 34:03 esSS 36:20 eSSS! 37:36 e(R) 39:25 Distance 59° Depth about 300 km. SH 5.5u, 10 sec. Magnitude 5.6	6	iP 23:24:52 e(S) 25:50 Compression.
4	eP 12:58:51.5 e(PPP) 59:18 eS 13:01:46 eSSS 02:24 e(R) 54 Distance 16° MH 4.7u, 9 sec. Magnitude 4.7	7	e(P) 06:31:48 eL 07:12:--
5	eP 10:24:25 Small.	7	iP 06:35:33.5 Small Local
5	eL 18:51:33	8	eP 04:10:55 e(S) 16:50 eL 18:58
6	eL 03:05:--	8	eP 07:39:48.5
6	eP 04:28:46 eS 55.5 Distance 80 km. Small.	8	e(P) 10:52:08 e(S) 20 Small
6	eP 10:01:36 eL 06:--	9	iP 07:47:34 eS 51 Dilatation Distance 140 km.
		9	eP 14:49:37 eS 50 Distance 110 km. Small
		9	iP 22:29:37.5 iS 47 Distance 75 km.
		10	eP 04:22:46 eS 24:02 Distance 710 km. Small.

PROVISIONAL READINGS AT CONCEPCION

July 6 1962	iP 01:08:16.9 iS 20.4 Distance 30 km.	July 7	eP 18:04:26.5 iS 29.5 Distance 25 km.
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PROVISIONAL READINGS AT SANTIAGO
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July 11 1962	eP eS Distance	09:04:46.5 05:08 175 km.	July 15 1962	e Local?	16:07:--
11	eP eS Distance	09:46:27.5 47:39 670 km.	15	e(P) Small	21:28:36
11	e(P) e(S) Small	09:58:23.5 42.5	16	eP e(G)	04:54:27 59:05
11	iP iS Distance	17:28:39.5 58 150 km.	16	eL	16:31:--
11	eP e(S) Small	19:03:30.5 04:17	17	eP e(PPP) eS eSSS eR	05:34:33.6 50 36:36 37:02 29
13	iP i(S) Small	02:11:31.4 47.3		Distance 11° MZ 63u, 8 sec. MH 121u, 8 sec. Magnitude 5.8	
13	eP eS Distance	09:18:35 20:12 10½°	17	eL	08:10:34
13	eP e(S)	11:32:48 33:40	17	eP e(S)	10:02:26 03:22
14	eP Small	04:46:48.5	17	e(P) e(S)	17:48:09 49:21
14	e(P) e(S) eL MH	14:59:44 15:04:20 06:20 8.6u, 7 sec.	17	L	18:36:--
15	eP Small	02:36:54.5	18	eP e(S) e(SS) eSSS! e(R)	22:18:42.5 19:36.5 49 20:00 07
15	e	06:10:28	19	eP e(S) Small	03:17:17 31
15	iP Small Local	06:24:28.5	19	iP Small Local	07:47:25.5
15	iP e(S) Small	13:28:44.1 54.7	19	iP iS Distance	08:55:23.6 36 100 km.
			19	e(P)	11:03:18.5
			19	eP L	12:05:03 07:--

PROVISIONAL READINGS AT CONCEPCION

July 11 1962	eP iS Distance	21:03:27.5 47 150 km.	July 17 1962	eP iS Distance	05:33:42 35:51 1.200 km.
13	eP iS Distance	06:17:45.2 18:04.2 150 km.	17	iP iS Distance	14:42:38.2 43.2 40 km.

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July 21 1962	eP 17:57:15.7 eS 58:43.9 eR 59:15 Distance 7 $\frac{1}{2}$ °	July 26 1962	iP 08:22:38.2 iPP 24:20 e(PPP) 25:01 iS 29:04 eSS 32:13 e(R) 34:50 Dilatation from NW? Distance 45° PZ 44 u, 5 sec. PPZ 26.5u, 6 sec. SH 61 u, 12 sec. Magnitude about 7.5
21	eP 20:54:47.2 iS 55:27.7 Distance 375 km.	26	iP 18:31:24.4 eS 40 Distance 125 km. Small.
22	eP 03:27:19.7 e(S) 52 Small	26	iP 20:29:08 iS 24 Distance 125 km.
22	iP 08:23:39.6 eS 48.5 Dilatation Distance 75 km.	26	eL 21:49:06
22	eP 12:20:02 eS 21:27.5 e(R) 56 Distance 810 km.	28	iP 06:02:41.4 i 50 iS 03:04 e(R) 20 Distance 175 km.
22	eP 16:50:34.7 eS 48 Distance 110 km. Small	28	eP 07:40:27.6 eS 42 Distance 120 km.
22	iP 20:25:26 iS 48.5 Dilatation Distance 180 km. Small	28	eP 11:40:19.4 eS 41:40 Distance 760 km.
23	eP 07:44:38 e(S) 46:20	28	eP 12:22:21.6 eS 23:42 Distance 760 km.
23	eP 14:01:37 Small Local.	28	eP 13:30:08 e(S) 31:28
24	Timing doubtful	28	e(P) 13:32:19 e(S) 33:38 Small.
25	iP 03:46:38 Small	29	eP 01:48:03.4 iS 48 Distance 420 km.
25	eP 04:47:05.3 eS 54:31 iSS 58:18 eR 05:02:00 Distance 52 $\frac{1}{2}$ ° MH 33u, 27 sec. Magnitude 5.1	29	eP 09:13:59
26	eP 06:55:17.7 e(S) 39 Small	29	e(P) 09:23:44.5 e(S) 26:32 Small
		29	eP 10:33:14 Small Local.

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PROVISIONAL READINGS AT SANTIAGO

July 30 eP 00:47:31.5
1962 iS 48:33
Distance 570 km.

30 eP 06:20:13.5
eS 25
Distance 100 km.
Small

30 iP 07:24:54
iS 25:07
Distance 110 km.

30 iP 11:12:51.5
iS 13:08
Distance 130 km.

30 eP 15:40:04.2
e(S) 25

30 iP 16:24:23.5
iS 40
Distance 130 km.

30 eP 17:35:58.4
epP 36:24
iPKP 39:23
e(PP) 41:34
ePPP 43:52
eSKS 46:04
e(S) 48:08
ePS 51:40
e(SS) 55:26
eSSS 18:01:10
e(G) 12:--
R 18:--
Distance 123°
Depth about 100 km.
MH 49 u, 18 sec.
MZ 26.5u, 18 sec.
Magnitude about 7.0
Interpretation doubtful

July 30 eP 20:23:31
1962 Small

~~30~~ iP 20:26:12
i(PP) 27:54
iS 32:56.5
e(R) 35:50
Dilatation from NW?
Distance 37½°
PZ 22.6u, 10 sec.
MZ 57.5u, 16 sec.
Magnitude 6 ¾ - 7.0
Unreadable phases.

31 iP 04:21:44.1
Small Local.

31 eL 06:30:45

31 eP 12:55:51.5
eS 57:31
e(R) 58:05
Distance 9°

P. Welkner
Seismologist.

PROVISIONAL READINGS AT GABRIEL GONZALEZ VIDELA
(ANTARCTICA)

July 26 eP 08:26:17.6
1962 e(PcP) 24.8
iS 35:57.2
Distance 77°

July 30 eP 20:30:04.6
iS 39:05.6
e(SPP) 36.2
Distance 68½°
Timing doubtful

M. Quiroga
Seismologist.

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PROVISIONAL READINGS AT CONCEPCION

July 21 1962	eP 08:13:58.5 iS 14:04 Distance 45 km.	July 28 1962	eP 11:39:27 iS 41.5 Distance 115 km.
21	eP 17:56:20.7 iS 46 Distance 210 km.	28	iP 12:21:29 iS 44 Distance 120 km.
22	eP 12:19:09.5 iS 30 Distance 165 km.	28	iP 13:29:15 iS 29.5 Distance 115 km.
23	eP 07:43:50 e(S) 44:12.4	28	eP 13:31:26 iS 39 Distance 105 km.
23	eP 16:53:27.3	30	eP 00:46:42.8 iS 49.3 Distance 55 km.
25	eP 00:46:22.3 iS 28 Distance 45 km.	30	eP 20:26:37.5 iS 32:51 Distance 41°
26	e(P) 08:23:00 i(S) 29:44		
26	eP 22:09:51		

A. Sickinger
 Seismologist.

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PROVISIONAL READINGS AT ANTOFAGASTA.

July 1962	Station	Time	July 1962	Station	Time
11	eP Small Local.	20:22:40.8	21	iP	02:14:01.0 38.7
14	e(P) eS	07:34:54.6 36:13,2	22	iP iS	05:49:55.0 50:35.5
14	eP eS	08:22:55.7 23:34.7	22	iP iS	13:48:34.5 49:05.9
15	eP eS	07:39:05.2 50.5	24	iP iS	17:41:25.5 42:07.8
16	eP i e(S) e	04:52:54.1 53:00 59:17 05:02:17	24	eP	21:16:20.9
17	eP i	05:36:37.3 43	25	eP eS	00:14:25.6 16:15.6
17	eP e i	17:39:59.1 59.9 40:12.9	25	e(P) i	04:45:24.0 56.2
18	iP i(S)	16:51:27.6 52:16.2	25	eP	06:07:42.6 09:33.5
18	e(P) e(S)	22:18:57.5 20:42.5	26	eP i i	08:21:22.5 25.9 23:25.3
19	iP i(S)	01:49:09.1 57.9	26	eP	21:40:40.4
19	iP	07:21:44.4	27	iP	08:51:55.2 52:32.6
19	eP	12:02:48.8	27	Seismograph stopped because of power failure.	
19	iP e(S)	21:18:21.5 19:00.0	28	eP e(S)	13:28:42.7 30:00.3
20	eP i e(S)	03:05:24.3 24.6 06:01.1	28	iP	13:30:12.9 52.1
20	eP e(S)	03:43:41.8 44:52.5	28	iP eS	16:44:50.0 45:29.5
20	iP e(S)	07:53:24.4 54:03.3	28	Distance 350 km.	
20	eP e i	08:03:05.8 04:29.7 34.5	28	eP e(S)	18:19:10 20:06.7
20	eP i(S)	17:26:33.0 27:16.9	29	eP iS	06:55:58.1 56:25.6
20	eP i(S)	21:03:12.7 52	29	Distance 230 km.	

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PROVISIONAL READINGS AT ANTOFAGASTA.

July 29	iP	06:33:02.1	July 30	e(P)	17:36:02
1962	e(S)	37.3	1962	iP	23.9
29	eP	09:11:54.9	30	eP	20:24:48.1
	iP	55.3		iP	55.4
	iS	12:25.0		i	25:30.1
	Distance	260 km.		eS	29:40
29	iP	09:21:14.3		e	48.0
	Small Local.			e	30:00
				eSSS	31:31
29	iP	18:13:09.2		e	35:28
	i(S)	14.1		e	36:14.0
				Distance	30°
30	iP	12:55:56.7			
	iS	56:42.1			
	Distance	410 km.			

Germán Saa S. J.
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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

August 1 1962 iP 02:55:23.6
 eS 32
 Distance 75 km
 Small

~~1~~ ~~X~~ e(P) 04:48:11.5
 1 eP 04:56:12.8
 i(S) 59:35
 e(R) 05:00:54

eL 05:16:21
 Same shock?
 MZ 11.2 u, 13 sec.

1 eP 16:58:13
 Small

2 eP 08:29:17
 eS 38.7
 Distance 175 km
 Small

~~3~~ ~~X~~ iP 08:58:40.5
 iS 09:00:36
 Compression
 Distance 10 1/2 °
 Magnitude about 6.0

4 eP 17:57:30.3
 e(S) 58:10

5 eP 07:14:38
 Small Local

5 eP 12:21:19
 e(S) 22:10.5
 Small

~~6~~ ~~X~~ eP 01:46:48.5
 eL 56: - -

6 eP 02:36:09.2
 e(S) 28
 Small

~~6~~ ~~X~~ eP 08:48:40
 e(S) 52:29
 e(R) 09:00:28
 MH 7.8 u, 30 sec.

6 iP 11:14:23.3
 eS 15:43
 eR 16:10
 Dilatation
 Distance 760 km

6 eP 19:45:08.5
 Small Local

August 6 1962 ~~6~~ ~~X~~ iP 21:04:43
 iSKS 15:11
 eS 25
 e(PSP) 16:55
 eSS 21:21
 e(G) 28:04
 eR 32:21
 Distance 87 1/2 °
 MH 8.2 u, 26 sec
 Magnitude 6.0

7 iP 04:20:06.4
 e(S) 21:41
 Small

8 iP 05:09:07.6
 e(PP) 24
 e(PPP) 27
 eS 49
 Distance 360 km

8 eP 12:24:02
 e(S) 25:20

9 eP 00:23:48

9 eP 06:22:09.6
 iS 24:06
 eSSS; 27
 e(R) 57
 Distance 10 1/2 °
 MH 22.4 u, 10 sec
 Magnitude about 4 3/4

9 iP 08:19:39.1
 e(S) 58
 Dilatation
 Small

9 eP 17:27:30.6
 eS 30:26
 eR 31:37
 Distance 16 1/4 °
 MH 15.2 u, 12 sec
 Magnitude about 5.0

9 iP 20:41:45.2
 e(S) 59
 Compression?

10 eP 03:05:04
 Small

10 iP 03:36:29.6
 e(S) 53
 Dilatation

10 iP 06:41:40.3
 iS 49.7
 Distance 80 km
 Small

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

August 10 1962 iP 17:28:28.6
 eS 43
 Distance 110 km

10 eP 18:14:38.4
 e(S) 15:10
 Compression?

P. Welkner
 Seismologist

10 eP 20:58:35.2
 e(S) 59:06.5
 Small

PROVISIONAL READINGS AT GABRIEL GONZALEZ VIDELA
 (Antarctica)

August 1962 ~~3~~ ✓ iP 09:03:59.1
 iPcP 05:53.1
 iS 06:07.9
 (ScS) 14:05.1
 Dilatation ✓
 Distance 41°

10 MIN

M. Quiroga
 Seismologist

PROVISIONAL READINGS AT CONCEPCION

August 1962 ~~3~~ ✓ iP 01:58:31
 iS 41.5
 Distance 85 km

August 1962 5 eP 06:42:11.6
 iS 16.6
 Distance 40 km

~~3~~ ✓ iP 08:59:31.7
 iS 09:02:11
 Distance 14°

A. Sickinger
 Seismologist

PROVISIONAL READINGS AT COPIAPO

July 19 1962 eP 01:34:37
 eS 47
 Distance 80 km

~~July 1962 30~~ ✓ eP 20:25:23
 e(S) 30:39

~~26~~ ✓ e(P) 08:21:53
 e 23:17
 e(S) 27:37
 e(R) 29:49

August 1962 ~~3~~ ✓ iP 08:57:23
 eS 58
 Distance 305 km

L. Cabello
 Seismologist

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PROVISIONAL READINGS AT ANTOFAGASTA

Month	Day	Type	Time	Distance	Month	Day	Type	Time	Distance
July 1962	31	eP	01:36:49.2	350 km	August 1962	3	iP	11:22:04.3	23:30.4
		eS	37:26.4				i(S)	23:30.4	
							eP	11:43:56.7	
July 1962	31	eP	23:13:53.6	170 km	August 1962	3	eS	44:22.9	225 km
		eS	14:12.8						
							iP	11:45:28.4	
July 1962	31	eP	23:33:08.9	130 km	August 1962	3	iS	54.2	220 km
		iS	23.9						
							iP	15:17:23.7	
August 1962	1	eP	04:01:28.2	Local	August 1962	3	i(S)	55.6	370 km
							eP	21:43:01.3	
							i	01.6	
August 1962	1	eP	08:35:10.1	Local	August 1962	3	eS	40.1	370 km
							eP	11:15:08	
August 1962	1	e(S)	39.5	Local	August 1962	4	i(S)	39.5	100 km
							eP	12:21:43.4	
August 1962	1	iP	12:21:43.4	Local	August 1962	4	iS	36:09.8	240 km
							eP	04:57:23.7	
August 1962	1	e(P)	16:43:03.2	Local	August 1962	4	eS	50.4	240 km
		iS	44:15.1						
							eP	05:35:24.1	
August 1962	2	eP	00:00:05.2	Local	August 1962	4	i	24.5	180 km
							eP	14:39:15.1	
August 1962	2	iP	07:03:49.8	Local	August 1962	4	iS	45.0	290 km
							eP	15:00:35.6	
August 1962	2	iP	07:22:08.2	250 km	August 1962	4	iS	01:07.1	200 km
		iS	35.7						
							eP	23:00:05.7	
August 1962	2	eP	23:00:05.7	Local	August 1962	4	i(S)	33.3	200 km
		i	06.2						
							eP	03:24:11.3	
August 1962	3	e(P)	03:24:11.3	Local	August 1962	4	iS	56:03.6	200 km
		i	12.1						
							eP	07:23:12.1	
August 1962	3	iS	41.4	Local	August 1962	5	iP	03:44:30.5	370 km
							iS	30.7	
August 1962	3	iP	07:23:12.1	170 km	August 1962	5	iS	45:09.9	350 km
							eP	09:51:42.3	
August 1962	3	iP	08:56:55.2	225 km	August 1962	5	eS	55:22.7	230 km
							eP	09:50:15.5	
August 1962	3	iP	09:10:14.3	225 km	August 1962	5	iS	40.6	230 km
		iS	40.9						
							eP	12:57:13.1	
August 1962	3	eP	09:51:42.3	230 km	August 1962	5	i	13.4	460 km
		iS	52:09.5						
							iP	10:49:13.3	
August 1962	3	iP	10:49:13.3	220 km	August 1962	5	eS	58:01.7	460 km
		eS	38.6						
							iP	10:49:13.3	

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PROVISIONAL READINGS AT ANTOFAGASTA

August 5 1962	iP	15:48:10.4	August 8 1962	eP	21:02:16.1
	eS	50.9		e(S)	51.9
		Distance 380 km			
5	eP	16:49:54.2	9	iP	00:21:38.5
	iS	50:08.4			Small Local
		Distance 120 km	9	iP	06:20:47.2
6	e(P)	01:13:09.5			Small Local
	i	10.9	9	eP	19:23:06.4
	iS	39.3		i(S)	23.7
6	e(P)	01:45:51.8	10	iP	04:57:41.9
6	iP	05:45:43.4		iS	58:22.2
	iS	46:05			Distance 360 km
		Distance 190 km	10	iP	05:25:31.7
6	eP	08:12:36.7		iS	26:09.6
	iS	50.6			Distance 330 km
		Distance 120 km	10	eP	03:10:02.6
6	iP	10:03:43.8		i(S)	11:00.5
	iS	04:25	10	iP	09:58:20
		Distance 390 km		i(S)	56.1
6	iP	10:33:37.9	10	iP	14:26:42.5
	e(S)	34.04.7		e(S)	28:06.6
7	iP	03:21:31.3	10	eP	14:50:41.9
	iS	48.4		iS	51:07.1
		Distance 150 km			Distance 210 km
7	eP	04:49:33.7	10	iP	15:53:01.2
	i	34		e(S)	42.1
	iS	50:09.4	10	iP	16:32:02.8
		Distance 340 km			Small Local
7	iP	05:39:18.6	10	eP	19:19:59.4
	iS	59.4		iS	20:18.5
		Distance 390 km			Distance 150 km
7	iP	14:28:09.3	10	e(P)	21:16:19.8
		Small Local			
8	eP	17:04:17.9			
	eS	37.9			
		Distance 160 km			

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

August 11 1962	eP 06:43:33 iS 40 Distance 65 kms Small	August 15 1962	iP 05:04:19.4 e(S) 52 Small
11	eL 07:29:36	15	eP 05:38:25.5 eS 40 Distance 120 km Small
11	eP 08:35:33.3 esP 36:06 e 37:12 esPP 40:50 e(SKS) 45:40 eS 47:34 e(SS) 55:24 e(SSS) 59:50 e(Q) 09:06:28 eR 12:32 Distance 112 1/2° Depth about 100 km Interpretation Doubtfull;	15	eP 06:15:36.5 eS 16:14.5 Distance 340 km Small
11	iP 19:36:12.6 iS 31 Distance 150 km	15	eP 07:09:55.1
12	eP 03:15:00 e(S) 22 Small	15	eP 16:23:23 eS 24:41 R 25:12 Distance 730 km MH 17.4 u, 10 sec. Magnitude about 4.0
12	iP 12:45:22 e(S) 37 Small	16	eP 05:50:17.1 e(S) 51:45.2
12	iP 20:36:03.5 i(S) 29	16	eP 11:46:34 Small Local
13	eP 06:26:33.4 e 49.3 eS 27:07.3 Distance 290 km	17	iP 01:09:29.6 e(S) 48 Compression?
13	eP 06:43:06.6 e(pP) 33 ePP 44:32 ePPP 58 iS 48:58 e(G) 51:08 eSS 24 e(ScS) 53:00 R 22 Distance 39° Depth about 60 km PZ 4.3 u, 5 sec. SH 18 u, 15 sec. MH 59 u, 20 sec. Magnitude 6.4	17	iP 03:24:20.7 eS 57 Compression from SW Distance 320 km. Magnitude about 4 1/2
14	iP 07:52:27.3 e(S) 48 Small	17	eP 04:32:09.4 eS 58 Distance 450 km
		17	eP 05:24:30.8 Distant shock MH 4.5 u, 26 sec.
		17	eP 07:16:23.8 eS 36 Distance 100 km Small
		17	eP 07:32:32
		17	eP 10:13:15 e(S) 34.5 Small
		17	eP 14:27:54 e(S) 28:11 Small

PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

August 18 1962	eP Small	04:23:16.2 Distant shock?	August 20 1962	iP iS	04:42:53.3 43:08
	19	eP i(S)			Dilatation Distance 130 km Small
	19	iP eS	20	eP eS	08:19:42.5 20:19.5
		00:26:11.7 28:46			Distance 330 km
	19	00:58:03.6 18 Compression? Distance 110 km	20	eP eS	09:25:06 18
	19	iP iS			Distance 100 km Small
		05:12:06.8 15 Distance 70 km Small	20	iP e(S)	22:25:41.6 57
	19	eP e(S)			
		07:06:56 07:41			
	19	eP e eL			
		18:46:31 50:46 19:39:-- Distant shock Phases unreadable MH 4.5 u, 27 sec.			
	19	eP ePP iPPP eS			
		23:14:31 41 53 16:00 Distance 850 km Magnitude about 4-4 1/2			

P. Welkner
Seismologist

PROVISIONAL READINGS AT CONCEPCION

August 6 1962	eP iS	11:13:32 49.5	August 15 1962	eP eS	16:22:30 47.5
		Distance 140 km			Distance 140 km
	9	eP			
		17:28:34			
	12	iP iS			
		20:35:51.5 36:12.4 Distance 170 km			

A. Sickinger
Seismologist

PROVISIONAL READINGS AT COPIAPO

August 19 1962	iP eS	23:13:10 19
		Distance 75 km

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Seismologist

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PROVISIONAL READINGS AT ANTOFAGASTA

August 11 1962	iP i(S)	17:33:50.7 34:39.6	August 14 1962	eP iS	02:09:09.2 28.9
					Distance 160 km
11	eP i iS	20:25:19.6 20 57.7	14	iP iS	06:22:03.8 29.5
		Distance 340 km			Distance 210 km
11	eP iS	22:15:20.9 37.5	14	iP eS	19:03:01.4 50.8
		Distance 130 km			Distance 450 km
12	iP iS	02:34:12.3 33.6	14	iP iS	19:14:55.9 15:34.3
		Distance 170 km			Distance 340 km
12	iP iS	03:21:26.4 53.4	15	eP iS	01:53:59.3 54:45.4
		Distance 230 km			Distance 420 km
12	eP iS	04:57:14.0 58:00.9	15	iP iS	02:13:24.0 14:12.9
		Distance 420 km			Distance 450 km
13	e(P) i iS	01:45:02.1 03.4 30.2	15	iP iS	05:08:00.0 41.3
					Distance 370 km
13	iP iS	05:05:42.5 06:08.4	15	iP	19:53:56.9
		Distance 220 km			Small Local
13	eP	06:41:55.0	15	iP i(S)	21:50:43.4 52.9
13	eP e(S)	09:57:03.5 29.1	15	iP iS	21:53:18.5 28.7
					Distance 80 km
13	eP eS	10:32:12.2 57.1	15	iP iS	22:55:08.9 18.6
		Distance 270 km			Distance 80 km
13	iP eS	12:18:10.6 50.0	15	iP iS	23:08:56.3 09:06.0
		Distance 350 km			Distance 80 km
13	iP iS	16:06:25.3 07:05.1	15	iP iS	23:13:08.4 18.3
		Distance 360 km			Distance 80 km
13	eP i iS	17:36:49.7 54.6 37:23.6	15	iP iS	23:50:12.1 58.2
		Distance 300 km			Distance 420 km
13	iP iS	22:06:47.0 07:11.2	16	eP iS	03:55:46.1 56:10.7
		Distance 200 km			Distance 210 km
14	eP iS	01:14:21.8 15:10.0	16	iP i(S)	14:14:54.1 15:35.5
		Distance 440 km			
			17	eP iS	03:25:29.2 27:13.6

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PROVISIONAL READINGS AT ANTOFAGASTA

August 17 1962	e(P)	05:26:32	August 18 1962	eP	14:10:53.6
	17	eP 20:42:07.9		Small Local	
		eS 14.2		19	iP 00:24:18.2
		Distance 50 km		e	25:01.6
					Distance 390 km
	17	eP 20:48:54.2		19	iP 01:34:32.3
		eS 49:18.5			Small Local
		Distance 200 km		19	eP 14:12:08.6
	17	eP 21:22:03.8			i(S) 13:05.5
		eS 44.7		19	iP 18:09:19.4
		Distance 360 km			Small Local
	17	eP 22:17:54.7		19	eP 18:46:22.1
		Small Local			i 37.9
	18	iP 01:43:11.2		19	eP 19:25:56.5
		iS 14.6			e(S) 27:30.7
		Distance 30 km		19	iP 23:12:38.3
	18	eP 03:07:15.8			Felt Local
		e(S) 56.7		20	eP 03:17:06.3
	18	e(P) 06:56:35			i 08.9
					iS 32.7
	18	eP 09:18:25.2			Distance 220 km
		eS 40.4		20	e(P) 04:39:46.5
		Distance 120 km			e(S) 40:22.5
	18	eP 10:02:49.1			
		eS 03:40.4			
		Distance 470 km			
	18	iP 13:11:55.9			
		iS 12:33.3			
		Distance 330 km			

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 Seismologist

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

August 21 1962	eP e(S)	00:40:34.8 41:38	August 23 1962	eP Small	13:02:05 Local
21	eP eS	08:16:06.6 34.2	23	eP e(S)	13:12:22 13:44
		Distance 230 km. Small	23	eP e(S) R	20:01:12.4 05:40 08:14
21	eP	14:05:26	23	iP e(S) Small	23:30:28 40
21	e(S) G e(R)	18:47:46 19:36:12 11:23	24	eP iSKS eS eSS e(Q) R	09:17:34.3 28:10 45.5 34:58 41:52 46:37
		Distant shock MH 9,1 u, 13 sec.			Distance 95 ¹ / ₂ ° MH 4.6u, 23 sec. ME 2.5u, 24 sec. Magnitude 5.8
21	eP iPP eS e(G) eSS e(SSS) R	21:16:41 1:02 22:26 24:41 54 25:35 26:16	24	iP e(S)	13:19:13.1 36
		Compression? Distance 37 ¹ / ₂ ° PZ 4u, 6 sec. SH 26.2u, 10 sec. ME 92u, 16 sec. Magnitude 6.4			Compression Small
22	eP e(S)	02:56:56.5 57:44	24	eP e(S)	13:22:47.5 23:04
22	eL	14:46:40	24	iP	16:55:07.6
22	eP eS	20:15:55.9 16:52		Small Local	
		Distance 510 km.	25	iP iS	03:44:12.8 34.8
23	eP eS	06:38:01 27		Compression	
		Distance 220 km. Small		Distance 180 km	
23	eP eS	07:29:45.1 30:12.5	25	eP eS	06:45:47 48:07.6
		Distance 230 km.			Distance 13°
23	e(P) eS	08:58:37.5 55	25	e(P) e	07:14:09.6 46:05
		Small	25	e(P) e	08:44:01 46:14
23	eP eS	09:42:13.5 27			e(S) 53:42 Same shock?
		Distance 110 km. Small	25	eP e(S)	10:14:19 15:25.5
23	eP e(S)	11:27:06 17.5	25	eP	12:30:55
		Small		Local	

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

August 25 1962	iP	13:11:41.6	August 28 1962	eP'	11:19:03
	Small	Local		epP'	31
25	iP	22:48:09.3		eSKS	25:46
	iS	23		eS	29:32
	Dilatation?			e(PS)	30:53
	Distance 130 km.			eQ	47:50
25	eP	23:19:57.5		e(G)	49:20
	Small			R	56:22
26	cP	05:00:50		Distance 122°	
	Small			Depth about 100 km.	
26	eP	06:51:37.7		PZ	2u, 6 sec.
	e(S)	57		SH	6.5u, 14 sec.
	Small			MH	25u, 24 sec
26	e(P)	07:08:57.2		MZ	15u, 24 sec.
26	eP	07:29:41.3		Magnitude 6.9	
	e(S)	31:13.5	29	iP	02:13:09.9
	Small			eS	22
26	eP	08:17:54.2		Distance 100 km.	
	eL	21:---		Small	
26	iP	09:39:18.5	29	e(P)	04:58:24.7
	iS	27.2		Small	
	Compression		29	e(P)	07:40:38
	Distance 130 km.		29	e	08:45:38
26	eP	11:08:22.2	29	eP	14:49:20
	e(S)	42		e(S)	50:36
26	iP	22:41:05.1	30	eP	04:33:48.5
	iS	29		eS	34:10
	Distance 200 km.			Distance 175 km.	
26	eP	23:42:36.3		Small	
	Small		30	iP	07:17:32.6
27	i(P)	05:27:50.6		Dilatation	
	Small	Local	30	eP	11:37:51.3
27	eP	10:59:14		eS	39:28
	e(S)	11:00:11		(R)	40:--
	Small			Distance 950 km.	
27	eP	19:54:03.2		Magnitude about 4-4 1/2	
	e(S)	54	30	e(P)	18:47:57.4
27	e(P)	23:44:17		eL	14:20:20
			30	e(P)	14:29:19
				Small	
			30	eP	17:30:51.8
				eSKS	41:24
				eS	42:44
				e(G)	58:--
				eR	18:05:15
				Distance 107 1/2°	
				MH 3.5u, 16 sec.	
				Magnitude about 5 3/4	

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

August 31 eP 02:54:01
 1962 e(S) 08.4
 Small
 31 iP 05:41:28
 Small Local
 31 eL 11:17:--

August 31 e(P) 17:21:45.6
 1962 e(S) 17:40:56
 e 48:44
 e 55:39
 eL 18:01:46
 Same shock?
 MR 9.2u, 17 sec.

P. Welkner
 Seismologist.

PROVISIONAL READINGS AT CONCEPCION

August 16 eP 05:40:25.5
 1962
 17 eP 03:25:14
 eS 26:57
 Distance 950 km.
 19 e(P) 23:15:--
 Distant shock
 21 eP 21:21:55
 e(S) 24:03.5
 23 eP 11:58:09
 23 eP 13:11:30.7
 23 eP 20:20:05.5
 23 eP 22:28:25.4
 iS 30.5
 Distance 40 km.

August 25 iP 10:13:23
 1962 iS 27.9
 Distance 40 km.
 30 eP 07:16:55.2
 eS 17:02.8
 Distance 70 km.
 30 eP 11:37:02.8
 iS 42
 Distance 355 km.

A. Sickinger
 Seismologist.

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PROVISIONAL READINGS AT ANTOFAGASTA

August 20 1962	eP i i(S)	16:46:35.5 35.8 47:17.5	August 23 1962	eP iS Distance	12:25:54.9 26:12.7 145 km.
20	eP Small Local	16:55:52.9	23	iP eS Distance	16:48:08.6 47.4 350 km.
20	iP iS Distance	19:31:46.2 52.6 50 km.	23	iP iS Distance	17:53:43.4 55.3 100 km.
20	e(P) i(S)	19:37:14.7 38:10.8	23	eP e(S)	21:01:08.8 02:47.9
20	iP iS Distance	19:44:09.8 30.3 165 km.	23	eP i eS Distance	23:45:26.1 27.5 53.4 230 km.
20	eP e(S)	21:33:35.0 34:12.2	24	iP e(S)	00:01:33.1 02:14.2
21	iP i(S)	00:44:22.9 23.7	24	iP e(S)	02:24:59.3 23:22.2
21	eP e(S)	03:33:42.7 34:24.4	24	iP iS Distance	10:52:21.5 57.7 320 km.
21	iP iS Distance	10:05:51.9 06:02.2 80 km.	24	iP iS Distance	13:17:00.5 13:05.5 600 km.
21	eP e(S)	14:05:22.0 06:16.1	24	eP cS Distance	21:48:11.6 51.8 360 km.
21	eP eS Distance	16:19:11.1 45.0 290 km.	24	eP eS Distance	22:21:10.1 46.5 320 km.
21	eP e e(S) e	21:17:04 18:30 27:30 29:36	25	iP e(S)	04:56:58.7 57:33.4
22	iP iS Distance	05:05:05.1 26.2 170 km.	25	iP Small Local	03:43:25.1
23	e(P) e(S)	07:30:31.6 32:14	25	eP i(S)	06:51:03.5 27.2
23	eP i(S)	09:30:00.8 17.7	25	eP i iS Distance	09:13:28.4 29.5 52.3 200 km.
23	eP Small Local	11:39:38.4	25	eP iS Distance	10:33:23.8 49.3 210 km.
23	eP i eS Distance	12:23:42.6 43.1 24:18.9 320 km.	25	e(P) e iS	22:49:43 51:43.6 52.0

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PROVISIONAL READINGS AT ANTOFAGASTA

August 26 1962	iP 03:54:00.9 iS 05.1 Distance 35 km.	August 28 1962	eP 04:18:50.0 eS 20:05 Distance 700 km.
26	eP 06:35:36.5 eS 36:15.3 Distance 340 km.	28	iP 06:05:57.9 iS 06:37.3 Distance 350 km.
26	iP 07:28:16.7 i(S) 53.2	28	eP 08:49:31.1 iS 59.5 Distance 240 km.
26	eP 13:11:24.9 i 25.3 i(S) 12:01.3 i 02.5	28	eP 11:27:10.4 i 10.9 iS 39.9 Distance 250 km.
26	eP 14:41:11.4 i 11.7 e(S) 50.1	28	iP 12:43:45.6 i(S) 55.4
26	eP 20:26:23.6 eS 31.6 i 32.1 Distance 65 km.	28	eP 13:32:27.7 eS 33:08.7 Distance 370 km.
26	eP 21:05:29.0 e(S) 54.5	28	iP 22:24:19.1 iS 42.4 Distance 190 km.
26	iP 23:38:23.5 Small Local	29	eP 00:07:25.9 iS 08:05.7 Distance 360 km.
27	eP 02:17:35.5 iS 48.1 Distance 100 km.	29	eP 03:56:14.0 i 15.6 iS 38.9 Distance 210 km.
27	iP 10:12:10.5 iS 15.2 Distance 40 km.	29	iP 07:12:21.6 eS 13:06.3 i 07.9 Distance 420 km.
27	e(P) 16:39:46.3		
27	eP 20:28:34.3 e 57.4	29	iP 07:39:09.7 Small Local
27	eP 21:04:47.8 i 48.2 eS 05:29.7 Distance 370 km.	29	eP 08:10:40.8 iS 11:06.1 Distance 210 km.
27	eP 23:01:46.7 iS 02:22.7 Distance 320 km.	29	iP 18:11:15.0 iS 55.6 Distance 360 km.
28	iP 00:16:23.7 iS 17:09.6 Distance 420 km.	29	iP 22:04:30.7 Small Local
28	iP 03:36:40.1 iS 37:19.9 Distance 360 km.		

Germán Saa, S.J.
 Seismologist.

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Sept. 1962	1 iP	03:06:57	Sept. 1962	2 c(P)	13:23:58
	iS	07:18.5		e(S)	24:23
		Compression			Small
		Distance 175 km			
✓	1	e(P)	✓	2	iP
		03:54:07.5			15:21:05.4
		e(S)			Small Local
		23			
		Small		2	eP
					16:15:52.7
	1	eP			e(S)
		04:05:07.4			18:50
		Small		3	eP
					06:06:15.2
					Small
	1	L		3	iP
		04:44			03:48:00
✓	1	e(F)			e(S)
		05:10:19			23
✓	1	eP		3	e(P)
		06:10:08.3			15:08:25
		Small			Small
	1	eL		3	e(P)
		08:49:48			20:05:45.5
					e(S)
					06:15
					Small
	1	eP		4	e(P)
		16:29:12.5			03:47:12
		iS		4	eP
		30:11			11:22:32
		Distance 550 km			Small Local
✓	1	eP'		4	eP
		19:39:52.2			11:28:58
		e			44:36
		ePP		4	eP
		42:19			14:01:44.5
		ePKS			e(S)
		43:16			02:56.5
		ePPP			
		45:07		4	eP
		e(FSP)			18:35:54
		54:06			Small Local
		eSS		4	eP
		59:28			18:36:15
		e(SSP)			Small Local
		20:00:23		4	eP
		eSSS			18:48:07
		05:00			Small Local
		e(Q)		4	eP
		14:26			18:49:50
		eG			Small Local
		15:56		4	eP
		R			19:36:34
		21:--			Small Local
		Compression?		5	iP
		Distance 133 $\frac{1}{2}$ °			08:21:41
		PPE 5.2 u, 10 sec.			iS
		ME 111 u, 27 sec.			53.7
		MZ 35 u, 26 sec.			Dilatation
		MG 170 u, 46 sec.			Distance 145 km
		Magnitude about 7 $\frac{1}{2}$			Small
		Interpretation doubtful;		5	eP
		Surface focus?			15:35:10
					Small Local
	1	eP		5	e(P)
		20:35:22.2			16:16:11
		e(S)			
		36:34			
	2	e			
		05:12:29.5			
		Small			
	2	iP			
		07:10:56			
	2	eP			
		07:35:33			
		e(S)			
		36:06			
	2	e(P)			
		10:25:39			
		Small			

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Sept. 1962	5 eP	16:30:27	Sept. 1962	8 eP	19:49:18.5
	Small	Local		Small	Local
	6 iP	04:53:35.3		8 eP	19:53:29
	eS	55.6		Small	Local
	Compression			8 iP	23:22:10.5
	Distance	170 km		iS	27
	Small			Compression?	
	6 eP	06:48:05.5		Distance	140 km
	eS	37		9 eP	01:04:55.7
	e(N)	49:05		eS	05:09.7
	Compression?			Distance	110 km
	Distance	270 km		Small	
	6 eP	13:55:31		9 eP	03:25:58.2
	e(S)	49		e(S)	26:26
	6 e(P)	20:08:41		Compression	
	Small	Local		9 iP	07:46:03.7
	6 eP	20:12:50		e(S)	47:24
	Small	Local		Compression	
	7 eP	09:46:07.6		9 eP	09:24:33.5
	e(S)	47:21.5		e(S)	25:11
	7 iP	12:45:05.8		Small	
	eS	46:36		9 eP	15:39:39
	Distance	855 km		Local?	
	7 eP	17:40:06.2		10 e(P)	05:30:34.5
	e(S)	41:25		Small	
	8 eP	04:14:30		10 e(L)	10:30:42
	Small			10 e(P)	15:58:33
	8 eP	04:30:21.6		e(S)	16:05:41
	e(S)	31:40		e(G)	11:34
	8 eP	05:10:15		ME 4.6 u, 24 sec.	
	eS	50		10 eL	20:27:40
	Distance	310 km			
	Small				
	8 e(P)	11:03:58.7			

P. Welkner
 Seismologist

PROVISIONAL READINGS AT CONCEPCION

Sept. 1962	1 eP	16:28:40.5	Sept. 1962	1 eP	20:34:26.5
	iS	53		iS	39
	Distance	100 km		Distance	100 km
	1 eL	20:18:--		A. Sickinger	
				Seismologist	

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CORRECTION TO THE LAST BULLETIN

August 25 eP 06:52:03.5
 1962 iS 27.6
 Distance 200 km

PROVISIONAL READINGS AT ANTOFAGASTA.

August 30 iP 02:48:30.7	Sept. 4 eP 08:21:24.5
1962 iS 49:54.9	1962 i(S) 34.2
Distance 200 km	
	4 eP 12:42:51.3
30 iP 06:23:57.5	eS 43:31.8
iS 25:07.0	Distance 350 km
Distance 650 km	
	4 eP 13:08:37.9
30 iP 07:47:07.4	i 39.6
iS 46.5	iS 09:00.0
Distance 350 km	Distance 180 km
30 e(P) 11:40:05	4 eP 17:50:47.9
e(S) 44:09	iS 51:03.9
	Distance 130 km
30 iP 12:29:13.0	
iS 48.5	4 iP 18:42:26.5
Distance 310 km	eS 35.3
	Distance 70 km
30 iP 19:18:08.9	
iS 10.7	5 iP 01:25:08.8
Distance 15 km	iS 32.9
	Distance 210 km
30 eP 21:53:46.6	
iS 54:11.1	5 iP 02:07:36.4
Distance 200 km	i(S) 03:05.5
31 eP 03:08:42.5	5 eP 02:57:10.0
e(S) 09:15.5	e(S) 22.5
31 eP 05:17:35.0	5 iP 16:13:11.5
eS 18:22.7	Small Local
Distance 420 km	
	5 eP 23:41:03.9
31 eP 09:06:44.6	iS 30.7
iS 55.9	Distance 250 km
Distance 90 km	
	6 iP 09:24:05.0
NOTE: Because of seismograph	iS 11.6
failure, no readings from	Distance 50 km
September 1st to 4th.	
	6 eP 20:11:52.0
Sept. 4 eP 00:45:49.1	i 53.0
Small Local	iS 12:15.7
	Distance 110 km
4 iP 01:40:05.5	
iS 12.0	7 eP 07:02:08.1
Distance 50 km	eS 36.7
	Distance 220 km
4 iP 05:15:35.1	
iS 16:11.0	7 eP 07:26:06.3
Distance 310 km	eS 41.8
	Distance 320 km
4 iP 06:22:02.0	
eS 41.0	7 eP 12:45:03
Distance 350 km	Small Local

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PROVISIONAL READINGS AT ANTOFAGASTA

Sept. 7 iP 19:46:19.9
1962 iS 46.2
Distance 220 km

8 iP 04:29:42.9
iS 30:41.8
Distance 540 km

8 iP 04:57:06.8
eS 42.8
Distance 320 km

8 iP 08:54:29.3
eS 55:05.3
Distance 320 km

8 eP 09:08:10.7
iS 39.1
Distance 150 km

8 iP 09:30:58.1
eS 31:35.9
Distance 330 km

8 iP 10:19:49.9
eS 20:37.7
Distance 430 km

8 iP 13:51:19.3
eS 58.2
Distance 350 km

8 iP 18:54:48.3
eS 55:29.2
Distance 370 km

Sept. 9 eP 03:23:52.4
1962 ✓ ~~X~~ eS 24:16.7
Distance 200 km

9 eP 06:15:23.0
Small Local

9 eP 07:46:11.6
i 13.1
eS 47:17.7
Distance 610 km

9 eP 22:31:13.1
Small Local

9 eP 22:57:12.2
iS 36.8
Distance 200 km

9 eP 23:15:03.0
eS 20.2
Distance 140 km

10 eP 04:12:37.6
eS 13:21.8
Distance 400 km

10 eP 08:38:20
Small Local

Germán Saa, S.J.
Seismologist

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Sept. 11 eL 04:26:24 1962	Sept. 14 eP 11:02:25.4 1962 e(S) 03:32
11 eP 04:46:00 e(S) 52	15 eP 02:02:34.8 eS 58.2 Distance 190 km Small
11 eP 06:51:08 eS 19.2 Distance 90 km Small	15 eP 11:02:52.2
11 e(P) 14:08:24.5	✓ 15 e(P) 23:10:13.7 e 13:52 eL 56:-- Distant shock First phases unreadable because of record changing MH 6.4 u, 17 sec.
12 eP 03:55:31 eS 56:32.5 Distance 570 km	✓ 16 eP 03:15:37.2 Small
12 e(P) 05:00:17.5 eL 14:41	16 e(P) 06:14:29 Small
12 eP 05:07:09 e(S) 29.5 Small	16 eP 08:13:23.5 e(S) 57 Small
12 eP 12:30:38.2 e(L) 33:19	16 L 14:07:--
12 eP 14:43:04.5 e(S) 25 Small	16 eP 20:10:58.2 e(S) 11:54.5
✓ 12 eP 21:16:36.2 Distant shock?	17 iP 02:28:13.8 iS 22 Compression Distance 70 km
12 eP 23:36:41.7 e(S) 37:09	17 eP 03:33:41.3 eS 35:12 eR 32 Distance 870 km
13 eP 02:44:13	17 eP 05:22:45.5 e(S) 23:06 Small
13 eP 03:15:30.2 Small	17 iP 06:27:38.7 e(S) 56.6 Dilatation Small
13 eP 05:24:48.2 eS 25:56.4 e(R) 26:21 Distance 630 km	17 iP 06:46:25 Dilatation
13 e(P) 06:00:20	17 e(P) 08:39:41.6 e(S) 40:08.5 Small
13 eP 11:28:18 Small	
13 eP 21:41:51.5 Small Local	
14 eP 03:31:42	
14 iP 07:05:30.5 Local?	

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Sept. 17 eP	10:34:26,9	Sept. 19 e(P)	01:50:05,6
1962 e(S)	35:50.5	1962	
17 iP	11:08:17,7	19 eP	02:30:53,4
eS	30	e(S)	31:29
Dilatation?		Small	
Distance	100 km	19 e(P)	04:09:20
17 eP	11:47:56	e(S)	50
eS	49:06.6	Small	
Distance	660 km	19 iP	08:08:04,5
17 eP	14:28:14,5	Dilatation	
Small		19 eP	08:15:00
17 eP	15:24:04,5	19 e(P)	11:14:12,5
e(S)	35	Small	
Small		19 eP	15:29:20,4
✓ 18 eP	00:37:02	e(S)	49
ePP	38:39	20 e(P)	02:54:50
e(PPP)	39:12	e(S)	55:09,5
iS	43:18	Small	
e(Q)	46:40	20 eP	08:17:54,2
eR	48:44	eS	18:09,2
Distance	42 1/2°	Distance	120 km
SH	42,3 u, 18 sec.	Small	
MH	78,7 u, 24 sec.	20 iP	17:43:49,6
Magnitude	about 6 1/2-7,0	eS	44:05
Interpretation	doubtful	Distance	125 km
First phases	coincide	20 e	19:15:30
with record	changing		
✓ 18 eP	06:30:00		
18 iP	08:47:47		
e(S)	48:06,5		
Dilatation			
18 iP	18:05:32,4		
eS	56		
Compression?		Peter Welkner	
Distance	200 km	Seismologist	
18 iP	18:16:40,9		
Small	Local		

PROVISIONAL READINGS AT COPIAPO

August 21 e	21:22:34	August 23 eP	07:29:46
1962 e	25:20	1962 eS	30:25
e	27:00	Distance	350 km
22 eP	20:15:13	30 eP	22:45:17
eS	42	eS	26
Distance	250 km	Distance	75 km

L. Cabello
Seismologist

PROVISIONAL READINGS AT CONCEPCION

Sept. 12 iP	03:54:37,2		
iS	45,7		
Dilatation		A. Sickinger	
Distance	70 km	Seismologist	

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CORRECTION TO LAST BULLETIN - ANTOFAGASTA

Sept. 6 iP 09:24:05.0
 1962 iS 41.6
 Distance 320 km

PROVISIONAL READINGS AT ANTOFAGASTA

Sept. 11 eP 21:27:59.4	Sept. 14 eP 04:10:44.1
1962 iS 28:24.9	1962 e(S) 11:40.0
Distance 230 km	
12 eP 03:24:03.5	14 iP 18:59:40.4
Local	iS 59.7
	Distance 160 km
12 eP 03:26:45.9	14 eP 21:11:17.7
i 46.2	Small Local
eS 27:27.6	
Distance 370 km	15 iP 01:41:02.1
	iS 41.8
12 eP 09:13:56.7	Distance 350 km
i 57.0	
iS 14:34.7	15 iP 11:19:21.7
Distance 340 km	i(S) 49.8
12 eP 11:49:56.4	15 eP 17:56:24.3
i .57.7	iS 48.9
iS 50:58.8	Distance 200 km
Distance 580 km	
12 iP 12:28:37.2	15 iP 20:40:58.8
Local	iS 41:38.3
	Distance 350 km
12 eP 17:00:20.8	15 e(P) 23:10:05
i 21.2	16 i(P) 03:14:46
eS 01:00.0	16 eP 03:05:03.4
Distance 340 km	i(S) 24.2
12 eP 23:57:04.5	16 eP 06:13:46.3
iS 40.4	Small Local
Distance 320 km	
	16 eP 09:29:15.0
13 eP 00:52:38.7	eS 53.6
i 39.0	Distance 340 km
eS 53:19.8	
Distance 360 km	
	17 eP 01:56:41.8
13 eP 10:09:52.1	iS 57:15.0
i 56.6	Distance 290 km
iS 10:32.3	
Distance 360 km	17 iP 05:25:01.8
	eS 26:38.1
13 iP 12:07:53.7	Distance 320 km
Local	
	17 eP 10:47:42.9
13 eP 13:28:36.8	eS 48:22.3
iS 29:03.1	Distance 350 km
Distance 220 km	
	17 eP 10:47:42.9
13 eP 12:43:55.3	eS 48:22.3
	Distance 170 km
13 eP 23:03:41.7	19 eP 15:26:48.3
i 42.2	e 26.5
eS 04:20.7	i(S) 30.4



From the ISC collection scanned by SISMOS

PROVISIONAL READINGS AT ANTOFAGASTA

Sept. 20 eP 11:01:44.2
1962 iS 02:21.1
Distance 330 km

20 eP 11:15:07.6
eS 43.4
Distance 320 km

20 eP 15:04:35.2
i 04:35.9
iS 05:18.2
Distance 390 km

20 eP 16:22:25.1
iS 51.6
Distance 220 km

Sept. 20 eP 16:54:35.8
1962 eS 55:16.0
Distance 360 km

20 eP 17:25:33.2
e(S) 26:06.0
Distance 290 km

20 iP 19:10:31.4
Small Local

21 eP 05:16:32.4
e(S) 17:11

José Frez



INTERNATIONAL SEISMOLOGICAL CENTRE
AND OBSERVATORY
RICHMOND, SURREY, ENGLAND

IMPRESO
VIA AEREA

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 Santiago, Chile.

PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Sept, 21 eP 01:15:08.3 1962 Small	Sept. 23 e(P) 15:14:09.5 1962
21 eP 03:40:30 e(S) 57	24 e 05:48:17.7
21 eP 04:50:49 e(S) 51:18 Small	24 eP 10:01:34 eS 03:08.5 eR 30 Distance 900 km. MH 6.3 u, 10 sec.
21 e(P) 15:21:42.4 e(S) 56 Small	24 e 10:07:47.5
21 iP 15:27:20 Small Local	24 eP 12:07:43.6 eS 09:16 e(R) 44 Distance 880 km
21 e(P) 16:28:49 Local	24 eP 13:59:00 e(S) 14:00:34
21 eP 20:34:00 eS 13 Distance 110 km	<input checked="" type="checkbox"/> 24 eP 14:58:12 Small
21 iP 22:44:07.6 e(PP) 46 eS 48:30 iG 49:58 eR 50:48 Compression from SE? Distance 25 3/4° SH 11.3 u, 12 sec. MH 25.3 u, 22 sec. Magnitude about 5 1/2	24 iP 20:47:36 iS 48:18 Distance 375 km
22 e(P) 06:46:19.2 e(L) 07:38:30	<input checked="" type="checkbox"/> 25 e(S) 00:35:34 eL 38:56
22 e(P) 08:26:07	25 eP 03:20:34 Small
22 iP 09:46:06.6 eS 36 Distance 260 km.Small	25 e 15:09:24.5
22 eP 13:10:46 Local	25 eP 19:30:05.5 e(S) 31:05.7
23 eP 04:46:42 eS 47:04 Distance 175 km	25 e(P) 21:50:32 Small Local
23 iP 10:44:18 Small	25 eP 22:43:40 eS 44:59 Distance 750 km
23 L 12:33:--	26 eP 01:56:30.5 eS 48 Distance 140 km Small
23 eP 14:04:57 eS 05:17.5 Distance 170 km Small	26 eP 05:41:12.9 eS 40 Distance 135 km
	26 iP 05:49:05.5 iS 13.8 Dilatation Distance 70 km Small

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PROVISIONAL READINGS AT ANTOFAGASTA. *? Santiago*
(Santa Lucía) ←

Sept. 26 1962	e(P) Small	06:39:46.5	Sept. 28 1962	eP e(S) Dilatation?	09:35:36.2 36:00
26	iP iS Dilatation Distance 70 km Small	07:03:14.9 23.2	28	iP ePPP eS e(Q) eR Dilatation Distance 38° SH 11.2 u, 12 sec. MH 9.3 u, 34 sec.	19:03:22 05:06 09:11.5 11:38 13:52
26	eP	07:31:36	29	eP e(S)	05:25:03.5 27:59.5
26	eP Small Local	14:19:16	29	eP eS Distance 400 km	06:56:49.5 57:34.5
26	eP Small Local	14:29:39	29	eP eS Distance 265 km Small	09:06:36.5 07:07.5
26	i(P)	17:28:45.3	29	eP Small Local	14:15:11.4
26	e(L)	13:25:--	29	iP e(PPP) iS Compression from NE? Distance 1000 km MH 54 u, 8 sec. Magnitude about 6,0	15:19:53.7 20:20 21:37.6
27	eP eS Compression? Distance 70 km	01:56:05.4 13.7	29	iP iS Compression? Distance 80 km Small	21:06:07.7 18
27	eP e(S)	05:07:29.5 08:57	29	iP iS Dilatation? Distance 160 km	21:44:32 51
27	eL	05:26:04	29	eP Small	23:40:27
27	eP	05:49:28.3	30	eP e(S) Small	03:53:40.5 54:57
27	iP iS Dilatation Distance 240 km	06:49:35.6 50:04	30	e(P) Small Local	07:39:34
27	eP Small	07:53:57			
27	iP e(S) Dilatation	07:58:33.4 59:47			
27	eP iS Distance 130 km Small	23:13:56 14:11.8			
28	eP e(S) Small	05:29:23.2 30:01			
28	eP e(S)	08:47:26.4 48:16.5			

Peter Welkner M.
Seismologist.

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PROVISIONAL READINGS AT ANTOFAGASTA

Sept. 21 eP 20:38:15.0
 1962 e(S) 39:13

21 iP 22:35:39.2
 Small Local

22 iP 02:33:57.0
 iS 34:20.6
 Distance 190 km

22 iP 06:44:55.3
 iS 45:29.8
 Distance 300 km

22 iP 22:51:52.6
 Small Local

23 eP 01:39:57.1
 i 57.5
 iS 40:36.1
 Distance 350 km

23 eP 07:21:29.5
 iS 22:08.4
 Distance 350 km.

24 iP 04:35:32.0
 iS 54.6
 Distance 180 km

24 eP 08:26:03.6
 i 04.0
 e(S) 40.9

24 iP 11:22:09.9
 e(S) 23:02

24 eP 12:22:20
 i 28.1
 i(S) 23:25.3

24 iP 13:27:19.0
 Small Local

24 eP 14:52:49.0
 i 49.6
 eS 53:34.5
 Distance 410 km

24 eP 14:58:57.4

24 iP 21:28:03.2
 iS 14.4
 Distance 90 km

25 eP 06:56:06.1
 iS 32.3
 Distance 220 km

Sept. 25 eP 07:45:45.4
 1962 iS 46:14.3
 Distance 250 km

No records between 08:10 and
 20:10 on account of power failure.

25 eP 23:06:51.5
 eS 32.4
 i 07:32.9
 Distance 370 km

25 iP 23:41:56.2
 iS 42:15.1
 Distance 150 km

26 iP 06:16:05.6
 eS 44.8
 Distance 350 km

26 iP 07:59:39.3
 iS 08:00:15.3
 Distance 330 km

27 eP 01:19:21.5
 e(S) 44.5
 i 51.0

27 eP 06:04:12.7
 i 13.2
 eS 48.7
 i 49.8
 Distance 320 km

27 eP 06:50:38.4
 e(S) 52:09.0

27 iP 07:51:47.6
 i(S) 53:03

27 eP 12:32:13.3
 iS 33:08.3
 Distance 500 km

28 eP 11:03:54.9
 i(S) 04:34.3

28 eP 12:17:26.5
 i 27.2
 i(S) 46.5
 i 48.7

28 e(P) 14:39:08
 iS 33.3

28 iP 16:13:39.9
 e(S) 14:20

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PROVISIONAL READINGS AT ANTOFAGASTA.

Sept. 28 eP 18:07:14,3
1962 iS 53,8
Distance 350 km

✓ 28 iP 19:02:00,2

28 iP 23:30:32,9
i 33,4
eS 37:08,6
Distance 370 km

29 eP 05:22:54,5
Small Local

✓ 29 iP 15:19:37,6
iS 21:10
Distance 880 km

30 eP 03:53:11
e(S) 54:22

Sept. 30 eP 13:50:58,5
1962 i 58,8
iS 51:17,3
Distance 150 km

30 eP 18:48:39,6
i 45,5
e(S) 50:08

30 eP 21:33:56,2
i 57,2
iS 34:20,3
Distance 200 km

Oct. 1 eP 01:53:33,0
eS 54:17,4
Distance 400 km

Germán Saa, S.J.,
Seismologist

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PROVISIONAL READINGS AT CONCEPCION

Sept. 17 eP	03:32:47,5	Sept. 18 e(L)	00:44:--
1962	iS . 50.2	1962	
Distance 25 km			

A. Sickinger
Seismologist

PROVISIONAL READINGS AT "G.G.V". STATION.
(Antarctica)

Sept. 21 eP	22:40:33,6
1962	eS 42:24.2
Distance 1090	

M. Quiroga
Seismologist

STATION "G.G.V" ANTARCTICA
OBSERVATION
INSTRUMENT SEISMOLOGICAL SERVICE

ANTARCTICA
G.G.V

toped

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PROVISIONAL READINGS AT SANTIAGO.
(Santa Lucía)

Oct. 1962 ~~X~~ 1 eP 10:12:57,3
1 iP 11:50:27,5
eS 40,4
Distance 110 km
~~X~~ 1 e(P) 12:36:42
1 eP 12:48:29,5
eS 42
Distance 100 km
1 L 13:31:--
1 eP 17:29:27,5
e(S) 39
Small Local
2 e 03:04:48
Small
2 e(P) 04:20:27,5
e(S) 46
Small
2 eP 08:42:47,5
eS 43:08
Distance 165 km
Small
2 eP 09:12:21
e(S) 36,5
Small
2 eP 09:28:35
iS 55
Distance 165 km
Small
2 eP 11:41:55
eS 42:37
Distance 375 km
3 i(P) 06:29:28,6
Small Local
3 eP 06:56:36
e(S) 57:57,5
3 iP 13:08:09,7
iS 30
Distance 165 km
4 eP 04:26:29,4
e(S) 46,5
Small
4 eP 05:49:04,5
e(S) 30
Small

Oct. 1962 4 iP 13:35:45,4
iS 56
Distance 70 km
4 iP 17:05:58,8
eS 06:14
Dilatation
Distance 165 km
5 e(P) 04:02:11,1
Small
5 e(P) 05:28:34,5
Small
5 eP 13:45:46,6
eS 46:11,5
Distance 210 km
6 i(P) 00:33:44,4
Small
6 eP 01:13:14,3
e(S) 50
~~X~~ 6 iP 04:07:33,8
e(S) 08:28
Dilatation
~~X~~ 6 e(SKS) 04:40:--
e 41:34
e 51:--
e(SSS) 56:56
e(G) 05:04:--
eL 12:--
MH 15 u, 14 sec.
Interpretation difficult-
ed by microseismic storm.
6 iP 06:16:58,5
iS 17:13
Distance 120 km
Small
6 eL 09:54:54
6 eP 22:48:09,4
eS 49:20
Compression?
Distance 660 km
7 eP 05:22:28,5
e(S) 45,5
Small
7 eP 08:40:21,2
e(S) 50,4
7 e(P) 09:03:07,6
Small

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Oct. 7 eP 17:18:12.1
 1962 Small Local

8 eP 01:25:40.2
 eS 51.5
 Distance 90 km
 Small

8 eP 02:04:04.7
 e(S) 22.6
 Small

8 e(P) 02:27:45.9
 e(S) 28:33.6

8 iP 06:06:08.5
 eS 38
 Dilatation?
 Distance 260 km

8 iP 06:19:20.4
 iS 20:55.5
 Dilatation
 Distance 910 km

8 iP 08:34:21.7
 e(S) 57

8 e(P) 08:50:28.5
 eL 53:45

8 eP 09:26:13.1
 e(S) 27:05

8 iP 18:24:32.1
 iS 48
 Distance 125 km

✓ 8 eP 22:17:43
 e(PP) 21:12
 eSKS 28:02
 e(S) 24
 eSS 34:04
 eQ 41:45
 (R) 46:--
 Distance about 91°

Oct. 9 eP 02:17:32.6
 1962 eS 44.4

Distance 90 km
 Small

9 iP 02:18:11.7
 iS 19:22
 Dilatation
 Distance 660 km

9 iP 03:36:32.5
 eS 54
 Dilatation?
 Distance 95 km
 Small

9 e(P) 04:21:48
 e(S) 23:09

9 eP 07:22:06.7
 Small

9 eP 08:38:08
 e(S) 39:22.5

9 eP 16:34:09.8
 iS 30.2
 Distance 170 km
 Small

9 e(L) 20:52:52
 MH 9 u, 32 sec.

9 eP 23:13:00
 Small Local

P. Welkner
 Seismologist

PROVISIONAL READINGS AT COPIAPO

Sept. 18 e 00:36:09
 1962

19 eP 08:13:47
 iS 55.5
 Distance 70 km

27 iP 05:48:40
 iS 41
 Distance 8 km
 Small

Sept. 27 e(P) 06:50:04
 1962 e(S) 30

27 eP 07:58:25.5
 eS 30
 Distance 35 km

29 e 15:11:20

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PROVISIONAL READINGS AT COPIAPO

~~Sept. 29~~ eP 15:19:30
1962 e 56
eS 20:51.5
e(R) 21:23.5
Distance 770 km

Sept. 30 eP 03:52:27
1962 e 35.5
e 39
Interpretation doubtful!
Two shocks?

L. Cabello
Seismologist

PROVISIONAL READINGS AT CONCEPCION.

Sept. 24 eP 10:00:44.6
1962 eS 01:07.2
Distance 180 km

~~Sept. 29~~ eP 15:20:32.4
1962 iS 22:46
Distance 12 $\frac{1}{2}$ °

24 eP 12:06:57
iS 07:19.5
Distance 180 km

29 eP 23:55:18.5
iS 21.5
Compression from SW
Distance 25 km

A. Sickinger
Seismologist

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PROVISIONAL READINGS AT ANTOFAGASTA.

Oct. 2 iP 04:59:49.1
1962 iS 05:00:28.5
Distance 355 km

Oct. 2 eP 12:40:00.6
1962 iS 40.8
Distance 360 km

Germán Saa, S.J.
Seismologist

IMPRESO
VIA AEREA

Oct and Nov (part)

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

1962 Oct. 1 e(S) 13:33:40 Oct. 21 e 17:29:36
1962

P. Welkner
Seismologist

PROVISIONAL READINGS AT COPIAPO

Oct. 5 eP 16:28:45	Oct. 9 eP 08:36:26
1962 eS 58	1962 eS 33
Distance 105 km	Distance 55 km
8 eP 02:25:01	10 e(P) 20:55:04
eS 16	e 49.5
Distance 120 km	eS 56:53
9 eP 02:17:15	
eS 28	
Distance 105 km	

L. Cabello
Seismologist

PROVISIONAL READINGS AT CONCEPCION

Oct. 3 eP 06:55:42.2	Oct. 14 eP 07:33:00
1962 eS 56:00	1962 eS 08.5
Distance 145 km	Distance 70 km
6 eP 22:47:16.2	15 eP 22:02:19.5
iS 40.5	iS 38
Distance 205 km	Distance 145 km
8 e(P) 06:18:29.4	17 eP 18:35:20.6
	eS 35.9
	Distance 125 km
8 eP 23:09:33.5	19 eP 04:14:35.7
iS 37.9	 eS 15:44.1
Compression	 Distance 640 km
Distance 35 km	
9 eP 09:58:35.4	22 iP 02:51:29.9
iS 39.7	iS 34.2
Compression	Distance 35 km
Distance 35 km	
10 eP 20:54:12	
iS 33.6	
Distance 205 km	
12 iP 11:43:28.2	
iS 43.1	
Distance 120 km	
12 eP 22:58:13.1	
iS 37	
Compression	
Distance 200 km	
14 eP 07:28:31.4	
eS 40	
Distance 70 km	

A. Sickinger
Seismologist

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PROVISIONAL READINGS AT SANTIAGO.
 (Santa Lucía).

Oct. 10 eP 08:19:24.6	Oct. 12 iP 22:58:28.7
1962 e(S) 32.9	1962 eS 59:04
Small	Dilatation?
	Distance 310 km
10 eP 09:04:17.3	
Small Local.	13 eP 03:18:14.7
	e(S) 35.5
10 iP 17:38:26.4	
iS 39:04	13 iP 06:16:52.8
Distance 330 km	e(S) 17:30.5
	Dilatation?
10 iP 20:53:58.4	
iS 54:16	13 eP 08:41:04
Compression from S-W?	eS 42:08.5
Distance 140 km	Distance 600 km
Magnitude about 4.0	
10 eP 23:49:14.7	13 e 11:35:20
e(S) 24.5	eL 42:50
Small	
11 eP 21:01:14	13 iP 18:21:11.7
Small Local?	iS 30.2
	Distance 150 km
	Small
12 eP 02:41:25.8	13 L 19:39:—
eS 37.5	
Distance 90 km	13 eP 22:36:53
Small	e(S) 37:25
12 e(P) 05:32:05.3	
e(S) 33:06	14 eP 07:29:10.6
	iS 33
12 eP 05:59:31.5	Distance 175 km
e(S) 06:00:52	
12 eP 06:24:22.7	14 e(P) 07:36:09
e(S) 32.7	e(S) 37:07
Small	Small
12 eP 06:46:58.5	14 iP 09:16:22.7
eS 48:13.2	eS 43.8
Distance 690 km	Distance 170 km
	Small
12 iP 07:20:03.4	15 eP 03:27:11.7
e(S) 10.5	iS 35.7
Small	Distance 200 km
	Small
12 eP 07:59:07.3	15 iP 04:43:55
e(S) 08:01:42.8	iS 44:23
e(R) 02:30	Compression
	Distance 240 km
12 eP 11:44:19.1	Small
e(S) 45:40	
12 iP 16:54:54.8	15 e(P) 06:16:30.5
eS 56:06	
eR 24	15 eP 15:35:08.6
Compression from N-E?	iS 45.3
Distance 650 km	Distance 325 km.
MH 95 u, 5 sec.	
Magnitude about 5.0	

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Oct. 15 iP 18:14:25,5	Oct. 18 eP 04:13:16,8
1962 e(S) 47,5	1962 e(S) 31,2
Compression	Small
15 eP 19:31:35,5	18 eP 07:12:51,3
Small Local	eS 13:18,9
	Distance 230 km
15 eP 22:03:17,1	Small
e(S) 04:34,5	
15 eP 22:39:00	18 e(P) 09:00:20
e(S) 40:21	18 eP 09:16:33,3
Small	eS 55,5
	Distance 175 km
16 eP 08:19:28,7	Small
iS 38	
Distance 75 km	19 iP 04:13:45,7
Small	iS 14:13,5
	Dilatation
16 i(P) 09:49:24,7	Distance 240 km
Small Local	Magnitude about 4 ¹ / ₂
16 eL 19:00:--	19 eP 05:39:10
	eS 36,5
16 eP 20:58:43,9	Distance 225 km
eS 59:35,4	
Distance 475 km	19 iP 08:30:04,5
	Small Local
16 eP 21:00:45	19 eP 21:32:21,3
eS 01:38,6	e(S) 41:30
Distance 485 km	eL 52:20
	20 eP 03:23:15
17 eP 05:04:19,0	eS 24:28,4
eS 44	Distance 690 km
Distance 200 km	Small
Small	
17 i(P) 05:23:44,5	20 i(P) 06:37:09,6
Small Local	Small Local
17 eP 14:06:56	20 eP 19:12:16,8
e(S) 07:30	e(S) 26,3
17 eP 16:57:19	Small
Small	
17 eP 17:00:34,3	20 eP 19:51:39,4
Small	eS 49,5
	Distance 80 km
17 eP 18:36:34	Small
e(S) 37:30	
Small	21 eP 04:35:03,5
	iS 13,7
17 eP 23:29:24,5	Distance 80 km
Small Local	Small
18 eP 02:42:53,5	21 eP 04:44:47,5
e(S) 43:07	iS 57,7
Small	Distance 80 km
	Small

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Oct. 1962	22 eL	16:29:20	Oct. 1962	25 iP	20:18:07.7
	23 eP	08:13:16		e(sP)	46
	Small			e(sPP)	22:06
	23 eL	09:24:34		eS	27:55
	MH 3.6 u, 20 sec.			eSS	33:07
	23 eP	10:45:08.5		eSSS	36:31
	eS	35.5		iG	38:56
	Distance 230 km			R	42:--
	23 eP	15:15:16		Compression?	
	Small Local			Distance 80 1/2°	
	23 eP	16:40:55.5		Depth about 100 km	
	iS	41:25.5		SH 5.3 u, 11 sec.	
	Distance 265 km			MH 7.1 u, 28 sec.	
	24 iP	06:17:22.4		MG 17.2 u, 40 sec.	
	eS	40.6		Magnitude about 6-6 1/2	
	Dilatation?			25 eP	21:08:55.5
	Distance 150 km			iS	09:09.3
	Small			Distance 110 km	
	24 eP	07:27:47		Small	
	e(S)	28:09		26 eP	01:28:29
	25 e(P)	07:39:28.2		e(S)	54
	Small Distant shock?			26 eP	06:34:09.1
	25 eP	07:44:24		eS	51
	e(S)	51		e(R)	35:06
	Small			Distance 375 km	
	25 eP	09:53:47.5		26 eP	07:05:29.4
	e(S)	54:12		e(S)	06:10
	Dilatation?			Small	
	25 eP	16:00:23		26 e(L)	09:09:13
	eS	06:54		26 eP	09:43:47.8
	eG	09:58		e(S)	44:30
	eR	12:52		26 eP	16:05:48
	Distance 44 1/2°			ePP	07:22
	SH 3.5 u, 11 sec.			eS	11:33
	MH 5.8 u, 21 sec.			eG	14:10
	Magnitude 5.3			eR	16:26
	25 iP	16:18:09.1		Distance 38°	
	eS	30		MH 9.7 u, 16 sec.	
	Distance 170 km			Magnitude 5.5	
	25 eP	17:02:26.5		26 eP	16:41:13.5
	eS	54.5		e(S)	28.5
	Distance 240 km			Small	
	Small			26 eP	18:41:00
	25 eP	17:02:26.5		e(S)	33
	eS	54.5		27 iP	11:05:19.6
	Distance 240 km			iS	38
	Small			Distance 150 km	
	25 eP	17:02:26.5		28 eP	00:06:22.0
	eS	54.5		e(S)	55.5
	Distance 240 km			Small	
	Small				

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PROVISIONAL READINGS AT SANTIAGO.
 (Santa Lucía)

Oct. 1962	28	e(P) e(S) Small	01:16:41 49	Oct. 1962	29	eP eS e(Q) eR	21:08:39 14:32 17:11 18:36
	28	eP iS Distance 120 km Small	05:32:12.5 27.5			Distance 38° MH 20 u, 20 sec. MZ 9,1 u, 20 sec. Magnitude 5.4	
	28	iP eS Distance 165 km	13:24:33.5 55.0	30	iP	01:56:23.6 eS 02:04:29 eSS 08:07 e(G) 10:49 Distance 58 1/2° SH 7.3 u, 10 sec. MH 7.0 u, 20 sec. Magnitude about 5.3/4-6	
	28	eP	15:19:46				
	28	eP e(S)	17:39:21 42				
	28	eP Small	18:56:15		30	eP e(S) Small	05:21:50 22:05.3
	28	eP Small	20:12:48		30	iP eS Distance 100 km Small	08:13:26.5 38.7
	28	eP e(S)	23:16:08.5 22.5				
	29	eP	06:40:10.4	30	eP	08:40:30 e(S) 47:34 eG 54:10 e(R) 57:20	
	29	iP iS Dilatation Distance 150 km Small	08:51:13.6 32		30	eP iS Distance 110 km	11:16:00 14
	29	iP iS Dilatation from SE Distance 75 km Magnitude about 3.5-4.0	09:30:55.1 31:04.4		30	eP eS Distance 80 km Small	12:38:15.6 25.5
	29	eP e(S) Small	14:20:31.5 40		30	i(S) Small Local	13:03:04
	29	e(S) eL MH 7.3 u, 20 sec.	16:22:41 24:16		30	eL	17:01:--
	29	iP e(S)	18:20:01 57		30	e(P) Small Local	18:45:15
						P. Welkner Seismologist	

PROVISIONAL READINGS AT CONCEPCION

Oct. 1962 29 eP 18:19:32.2
 iS 43.9
 Distance 90 km

A. Sickinger
 Seismologist

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

~~Oct. 31~~ 1962 eP 11:39:58.2
 eS 45:54
 eG 48:40
 eR 51:08
 Distance 40 1/2°
 MH 15.5 u, 12 sec.
 Magnitude 5.7

31 eP 13:00:55
 Small

31 iP 15:04:39.6
 e(S) 54
 Compression?

31 eP 15:40:37.4
 e(S) 48.5
 Small

Nov. 1962 1 iP 07:28:40.3
 e(S) 29:51
 Small

1 e(P) 11:26:06
 Small Local

~~1~~ e 15:56:46
 e 16:14:14
 eL 32:--

1 eL 19:00:38

1 eP 19:51:12
 eS 28.5
 Distance 130 km
 Small

1 e(S) 23:40:36.8
 Small Local

2 e(P) 04:32:56.2
 e(S) 33:44.4
 Small

2 eL 15:59:36

3 eP 07:46:20.3
 e(S) 47:20

3 e 07:49:55

3 e(P) 18:35:15
 e(S) 38.5
 Small

3 e(P) 21:38:21
 Small Local

Nov. 1962 4 eP 06:34:43
 e(S) 35:15.5
 Small

4 iP 07:18:58.7
 e(S) 19:17.6
 Compression?
 Small

4 iP 15:38:33
 e(S) 39:58

4 iP 19:26:04.8
 iS 50
 Distance 410 km

4 eP 21:12:50
 e(S) 58
 Small

4 iP 22:56:03.5
 iS 58:13
 e(SSS) 49
 R 59:22

Dilatation from S-W
 Distance 12°
 MH 91.5 u, 12 sec.
 Magnitude about 5 1/2-5 3/4

5 eP 02:09:50
 Small Local

5 iP 10:04:33.4
 eS 52
 Distance 160 km
 Small

5 eP 10:48:27.2
 Small

5 eP 11:36:15.5
 iS 24
 Distance 70 km

5 iP 17:33:25.5
 e(S) 51

5 eL 21:10:05

5 eP 22:16:33
 iS 46.5
 Distance 110 km
 Small

6 eL 01:19:33

6 eP 03:17:54.1
 e(S) 18:16.3
 Small

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Nov. 6 e(P) 09:55:53.4	Nov. 9 e(P) 19:29:05
1962 Small Local?	1962 e(S) 17.5
	Small
6 eP 14:27:29.5	✓ 10 eP 01:52:57.5
e(S) 28:28	✓ e(S) 53:20.5
6 iP 22:42:45.2	10 eL 09:48:—
e(S) 43:12.5	
6 iP 23:09:35.6	10 eP 18:23:37
iS 10:02.6	e(S) 24:56
Distance 230 km	10 e(L) 20:36:—
7 eP 02:25:54	11 eP 03:41:49.5
e(S) 26:42	e(S) 43:19
7 eP 02:38:59	11 e(P) 04:52:41.7
eS 40:28	e(S) 53:10
Distance 840 km	Small
7 eP 05:12:30.6	11 e(P) 06:44:12
e(S) 14:00	Local?
eP 07:14:43.2	✓ 11 iP 07:52:40.1 A
53	iS 53:17
Distance 75 km	Compression
Small	Distance 325 km
7 eP 13:57:11	11 eL 08:35:—
eS 21	
Distance 80 km	11 eP 09:05:13.7
7 e(P) 15:02:26	e(S) 31
Small	Small
8 eP 00:06:28.5	11 eP 09:20:00
e(P ¹) 09:56	11 eP 12:40:24.5
e 47:39	Small Local
eL 50:—	
MH 11.8 u, 20 sec.	11 iP 14:22:15.6
8 iP 02:23:14.3	iS 42
iS 26	Compression?
Dilatation?	Distance 220 km
Distance 90 km	11 eL 16:18:43
8 eP 06:46:06	11 eL 17:00:—
Small	
9 eP 11:03:20.5	11 eP 17:46:32
e(S) 04:43	e(S) 47:04
Small	Small
9 eP 13:20:24.1	✓ 11 iP 22:16:46.4
eS 32.5	iS 19:03
Distance 70 km	e(R) 44
Small	Distance 12 1/2°
9 e(P) 18:17:55	MH 62 u, 11 sec.
	magnitude about 5 1/4-5 1/2

NB

P. Welkner
Seismologist

Samped

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PROVISIONAL READINGS AT ANTOFAGASTA

Oct. 3 iP 11:39:36.2
1962 iS 41.4
Distance 40 km

3 iP 11:41:37.3
iS 42.4
Distance 40 km

3 eP 12:58:08.1
e(S) 34.5

No: A
4 iP 19:51:58.2
iS 35.6
Distance 310 km

4 e(P) 22:23:43
iS 24:13.8

5 iP 02:16:22.7
iS 17:00.2
Distance 330 km

X 6 iP 04:28:02.8
✓ eS 39.3
Distance 320 km

6 eP 07:13:14.4
eS 51.6
Distance 330 km

6 eP 09:21:25.3
iS 48.6
Distance 190 km

6 iP 18:48:48.7
iS 49:24.6
Distance 310 km

6 eP 21:52:21.3
eS 55.7
Distance 300 km

6 iP 18:48:48.7
iS 49:24.6
Distance 320 km

6 eP 21:52:21.3
eS 55.7
Distance 300 km

7 eP 00:09:35.3
eS 10:09.5
Distance 300 km

9 eP 16:18:26.6

Oct. 10 eP 01:37:49.2
1962 e(S) 38:28

10 eP 02:56:34.4
eS 57:02.3
Distance 240 km

10 eP 06:54:09.6

10 iP 11:10:46.2
i(S) 11:22.8

10 eP 13:52:54.8

10 eP 14:28:30.4
i(S) 53.5

10 eP 27:05:27.1
eS 06:05.0
Distance 340 km

10 eP 19:04:27.3
e(S) 52

10 eP 20:56:08.2
e 58:18.3
e 37.2

10 iP 23:40:43.4
eS 41:23.7
Distance 360 km

11 eP 00:15:21.0
iS 16:07.7
Distance 420 km

11 eP 02:31:29.5
eS 32:08.4
Distance 340 km

11 iP 04:37:27.1
eS 38:03.0
Distance 310 km

11 iP 04:46:44.8
iS 47:21.5
Distance 320 km

12 eP 04:20:27.5
eS 21:03.0
Distance 310 km

12 eP 04:43:40.4
eS 44:04.8
Distance 200 km

12 eP 05:50:03.3
eS 39.8
Distance 320 km

NB: No recording from Oct. 7 at 1:37 to Oct. 9 at 13:13, on account of power failure.

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PROVISIONAL READINGS AT ANTOFAGASTA.

Oct. 12 eP 07:56:55.7	Oct. 14 iP 22:45:02.4
1962 i(S) 57:29	1962 i(S) 26.9
12 iP 14:10:26.9	15 eP 09:22:06.2
iS 39.2	eS 42.6
Distance 100 km	Distance 320 km
12 eP 16:54:38.9	15 iP 12:49:48.1
i(S) 56:01	eS 50:25.7
12 iP 23:09:14.0	Distance 330 km
iS 55.6	15 eP 16:09:27.8
Distance 370 km	Small Local
12 eP 23:52:13.6	15 eP 19:47:32.9
iS 36.4	Small Local
Distance 190 km	16 eP 09:07:49.4
13 iP 01:49:38.1	iS 08:01.0
eS 50:17.6	Distance 90 km
Distance 350 km	16 e(P) 05:34:24.2
13 iP 21:51:47.5	eS 51.8
iS 53.9	Distance 230 km
Distance 50 km	16 eP 17:41:11.8
13 eP 22:18:26.5	eS 39.2
i 27.8	Distance 230 km
e(S) 44.2	16 eP 21:54:09.6
13 e(P) 22:37:55	eS 47.1
e(S) 39:25	Distance 330 km
14 eP 02:32:42.4	17 iP 00:54:22.0
i(S) 33:09.9	i(S) 44.6
14 iP 04:20:18.5	17 iP 03:36:45.0
iS 53.8	eS 37:31.0
Distance 300 km	Distance 420 km
14 eP 07:03:06.7	17 iP 03:43:06.2
eS 44	iS 33.5
14 eP 08:03:46.8	Distance 230 km
iS 04:11.5	18 eP 01:43:31.7
Distance 200 km	eS 59.3
14 eP 08:23:53.3	Distance 230 km
e 54.8	18 eP 10:37:25.8
iS 24:14.0	eS 38:05.2
Distance 160 km	Distance 350 km
14 eP 09:17:27.4	18 iP 15:10:33.7
eS 18:03.3	iS 11:15.1
Distance 310 km	Distance 370 km
14 iP 16:27:41.5	19 iP 01:22:01.0
iS 28:20.0	iS 08.5
Distance 340 km	Distance 60 km
14 eP 20:12:01.7	
eS 41.0	
Distance 350 km	

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PROVISIONAL READINGS AT ANTOFAGASTA.

Correction to last Bulletin
 Oct, 16 e(P) 11:34:24.2
 1962 eS 51.8
 Distance 230 km

Oct, 19 eP 04:14:42.3
 1962 i 43.9
 i(S) 16:19.4

19 iP 04:30:50.0
 i(S) 31:01.1

19 iP 14:45:46.8
 Small Local

19 iP 16:55:00.3
 iS 22.8
 Distance 180 km

19 eP 18:57:29.1
 e(S) 58:40.7

20 iP 00:01:51.3

20 eP 01:55:33.0
 i 33.6
 i(S) 56.7

20 eP 03:44:57.6
 iS 45:34.1
 Distance 320 km

20 eP 04:13:19.9
 iS 14:21.7
 Distance 570 km

20 iP 05:06:16.3
 iS 55.2
 Distance 350 km

~~20~~ iP 05:49:57.9

20 iP 06:35:00.9
 e(S) 36:06.9

20 iP 22:01:30.5
 iS 36.8
 Distance 50 km

21 eP 02:40:28.2
 iS 41:07.4
 Distance 350 km

21 eP 07:13:44.3
 eS 14:22.9
 Distance 340 km

21 iP 10:29:15.2
 iS 19.8
 Distance 40 km

Oct, 21 e(P) 14:03:40.7
 1962 i 41.7
 e(S) 04:26.6

21 iP 15:05:16.8
 i(S) 53.9

21 eP 18:14:13.6
 iS 35.2
 Distance 170 km

21 iP 19:57:34.8
 iS 58:10.6
 Distance 310 km

21 eP 22:13:42.9
 eS 14:23.1
 Distance 360 km

22 iP 01:49:22.4
 iS 43.1
 Distance 170 km

22 eP 05:21:16.2
 iS 38.0
 Distance 180 km

22 eP 07:58:21.5
 i 23.1
 i(S) 47.1

22 iP 09:50:06.3
 iS 45.1
 Distance 340 km

22 eP 16:28:48.0
 iS 29:13.1
 Distance 210 km

22 eP 16:45:32.1
 eS 46:06.8
 Distance 300 km

22 eP 19:48:22.4
 Small Local

23 eP 02:30:03.9
 e(S) 22.9

23 iP 04:26:50.9
 Small Local

23 eP 06:15:33.2
 Small Local

23 eP 09:19:10.3
 eS 20:51.7
 Distance 370 km

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PROVISIONAL READINGS AT ANTOFAGASTA

Oct. 23 eP 09:58:43.9
 1962 Small Local

24 iP 14:54:52.7
 iS 55:05.7
 Distance 105 km

From October 24 at 19:30 to
 October 25 at 06:40 no re-
 cording on account of power
 failure,

25 iP 14:05:50.7
 iS 06:36.4
 Distance 410 km

25 eP 14:55:39.1
 i 41.4
 i(S) 56:20.6

~~25 i 15:59:08~~
 26 iP 01:55:09.8
 iS 56:52.8
 Distance 330 km

26 e(P) 06:35:06
 eS 36:54

26 e 16:06:49.8

27 iP 02:00:56.0
 i(S) 01:24

27 iP 11:21:48.8
 eS 22:27.0
 Distance 340 km

27 eP 11:35:20.3
 eS 36:00.0
 Distance 350 km

Oct. 27 eP 17:31:57.0
 1962 iS 32:36.7
 Distance 350 km

28 eP 10:16:29.5
 iS 59.8
 Distance 260 km

28 iP 13:01:14.2
 iS 54.9
 Distance 360 km

28 iP 22:30:29.7
 iS 31:09.9
 Distance 360 km

29 iP 00:04:01.0
 iS 14.1
 Distance 110 km

~~29 i 00:28:57.5~~

29 eP 03:22:58.4
 Small Local

29 iP 08:41:51.8
 iS 42:15.0
 Distance 110 km

29 eP 09:33:11
 e 35:25
 i(S) 34.0

29 eP 09:48:22.5
 eS 49:07.2
 Distance 300 km

29 eP 10:32:54.8
 i 55.7
 iS 33:06.2
 Distance 90 km

29 e(P) 12:05:55.0
 iS 06:19.2

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PROVISIONAL READINGS AT CONCEPCION

Oct. 30 eP	18:43:28.9	Nov. 7 eP	02:38:04
1962 eS	33.6	1962	
	Distance 40 km	7 eP	05:11:40
30 iP	19:14:48.6	A. Sickinger	
iS	53.6	Seismologist	
	Distance 40 km		

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Correction to last Bulletin.

Oct. 22 iP	09:35:06.3	No records from Oct. 29 at
1962 iS	45.1	15:35 to Oct. 30 at 15:22
	Distance 340 km	

PROVISIONAL READINGS AT ANTOFAGASTA

Oct. 31 eP	02:13:15.3	Nov. 1 iP	09:38:43.5
1962 eS	48.3	1962 iS	39:23.6
	Distance 290 km		Distance 360 km
✓ 31 eP	11:38:46.7	1 eP	11:10:13.0
✓ "	39:31.5	eS	49.4
			Distance 320 km
	13:22:52.4	✓ 1 eP	15:53:08.5
iS	23:31.1	1 iP	16:27:28.5
	Distance 340 km	iS	28:05.2
31 eP	13:28:57.0		Distance 320 km
i	57.5	1 iP	17:14:58.7
	Small Local	iS	15:37.0
31 eP	15:14:09.2		Distance 345 km
e(S)	15:09.8	1 eP	16:12:05
31 iP	16:17:28.1	2 eP	03:49:17.0
e(S)	18:05.1	iS	56.3
31 eP	22:18:35.9	2 eP	10:18:14.0
e(S)	19:23.7	i(P)	16.1
i	25.0	i(S)	34.1
Nov. 1 eP	02:23:40.3	i(S)	51.5
1962 i(S)	24:17.5		Two shocks?
1 iP	03:22:20.0	✓ 2 eP	15:06:18.4
	Small Local	2 e	15:20:09.5
1 iP	04:33:02.8	2 e	15:47:16.7
iS	39.3	3 iP	03:40:46.4
	Distance 330 km	iS	55.0
1 iP	06:49:19.1		Distance 70 km
iS	24.5	3 eP	11:48:44.7
	Distance 45 km	iS	49:13.4
1 eP	07:28:41.0		Distance 240 km
	Small Local		

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PROVISIONAL READINGS AT ANTOFAGASTA.

Nov. 3 iP 15:09:24.1
1962 iS 49.1
Distance 210 km

3 iP 18:44:38.3
iS 45:17.1
Distance 340 km

3 eP 23:24:16.3
e(S) 52.9

4 iP 02:55:48.4
iS 56:24.4
i 25.8
Distance 330 km

4 eP 07:41:08.5
i(S) 46.5

4 eP 10:20:09.2
e(S) 53.5

4 iP 10:28:28.0
i(S) 37.0

~~4 iP 15:38:07.6
Small Local~~

4 eP 16:05:59.2
e(S) 07:17.0
i 24.3

4 iP 18:18:00.1
iS 11.3
Distance 90 km

4 eP 22:23:08.3
i 09.0
iS 21.2
Distance 100 km

~~4 eP 22:58:03.3
e 05.7
i 13.0
e(S) 23:01:51.9
i 02:03.2
e 05:13.0~~

5 iP 00:39:04.9
e(S) 40:07.6

5 eP 04:52:34.7
eS 53:11.3
Distance 320 km

5 eP 07:45:59.3
eS 37.5
Distance 340 km

5 eP 08:05:03.3
i 04.1
iS 45.2
Distance 370 km

Nov. 5 eP 13:16:19.4
1962 eS 52.9
Distance 290 km

5 iP 19:44:12.5
iS 20.3
Distance 60 km

6 eP 01:41:40.3
e(S) 42:26.5

6 eP 04:40:47.1
i 49.3
Small Local

6 eP 06:59:18.0
e(S) 53.1

6 eP 09:55:47.6
e(S) 56:23.0

6 iP 12:19:58.5
iS 20:27.2
Distance 250 km

6 iP 12:28:07.5

6 e(P) 23:11:11.0
e(S) 12:51

7 e(P) 02:26:22.0

7 eP 06:56:17.1
eS 54.6
Distance 330 km

7 e(P) 08:41:47.8
i 49.3
eS 42:24.0

7 eP 13:22:40.4
e(S) 23:07.7

7 eP 15:01:01.7
i 02.1
Small Local

8 eP 00:04:26.0

~~8 e(P) 00:40:41~~

8 iP 01:27:41.4
iS 47.7
Distance 50 km

8 iP 01:51:32.0
eS 52:11.1
Distance 350 km

8 iP 02:16:06.5
iS 56.7
Distance 460 km

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov. 8 eP 06:19:46.5
 1962 i 47.1
 iS 20:34.9
 Distance 440 km

8 iP 12:58:01.9
 i(S) 40.1

8 eP 13:05:04.2

9 iP 04:10:52.8
 eS 11:33.3
 Distance 360 km

9 eP 05:08:25.7
 iS 49.0
 Distance 190 km

9 eP 18:40:04.2
 Small Local

9 iP 22:11:10.1
 Small Local

Nov. ~~10~~ iP 01:52:46.0
 1962 ✓

~~10~~ e(P) 07:10:17.1
 iS 41.7

10 iP 22:55:31.1
 eS 56:12.3
 Distance 370 km

11 iP 00:24:14.4
 iS 37.1
 Distance 180 km

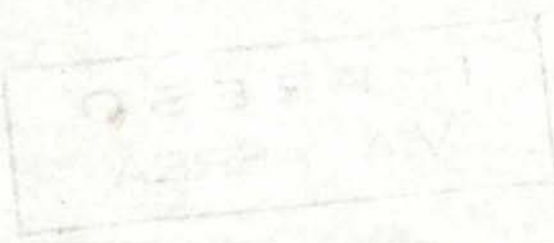
11 iP 06:31:20.9
 iS 32:57.2
 Distance 320 km

✓ ~~11~~ e(P) 11:51:27

✓ ~~11~~ eP 15:19:21.9
 iS 50.2
 Distance 240 km

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INTERNATIONAL SEISMOLOGICAL CENTRE
 GEOPHYSICAL OBSERVATORY
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PROVISIONAL READINGS AT CONCEPCION

Nov. 11 eP 22:15:53	Nov. 15 eP 20:03:14.8
1962 eS 17:32	1962 15 eP 21:26:10.6
Distance 900 km	15 eP 21:54:58.8
15 eP 15:52:23	16 eP 00:43:58
iS 54.2	16 e(P) 07:25:--
Distance 270 km	Distant shock
15 eP 16:09:54	16 eP 15:05:37
iS 10:25	16 eP 23:22:59
Distance 270 km	iS 23:29
15 eP 18:25:09.2	Distance 260 km
15 eP 18:26:33	
iS 27:04.7	
Distance 275 km	
15 eP 18:29:25	
15 eP 19:45:32	

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov. 11 e(P) 16:59:19.2	Nov. 14 iP 02:33:09.9
1962 iS 44.5	1962 iS 37.6
	Distance 235 km
11 eP 22:18:48.0	14 iP 02:46:30
i 51.7	iS 47:06.6
12 iP 02:12:42.1	Distance 320 km
iS 13:23.1	14 eP 05:40:35.3
Distance 360 km	eS 41:12.9
12 eP 06:27:32	Distance 330 km
eS 28:37.8	14 eP 08:07:53.2
Distance 610 km	14 eP 11:33:01.5
12 eP 08:45:55.5	(S) 33:28.2
iS 46:06.6	14 iP 23:41:51.5
Distance 90 km	Small Local
12 iP 13:13:36.3	14 eP 23:46:07
iS 14:59.5	iS 37.7
Distance 190 km	Distance 260 km
13 iP 00:59:09.4	15 eP 05:00:51.2
(S) 42.2	e(S) 01:39.8
N.B: No minute mark on account of power failure, from 02:30 to 16:30	15 iP 06:36:43.1
13 iP 22:28:43.8	iS 37:27.9
(S) 29:05.9	Distance 400 km
13 iP 22:57:06.4	15 eP 11:12:57.7
eS 57.0	iS 13:22.1
Distance 460 km	Distance 200 km
14 eP 01:00:47.3	15 eP 23:29:17.5
i 48.2	i 19.5
iS 01:08.1	e(S) 32:43.3
Distance 165 km	16 iP 06:04:47.5
14 iP 02:10:55.4	iS 52.3
e S 11:44	Distance 40 km
Distance 450 km	

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PROVISIONAL READINGS AT CONCEPCION

Nov. 23 eP 17:53:42.5
 1962

29 eP 07:55:49
 e(S) 56:16.8

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov. 16 eP 07:25:42.5
 1962 e(S) 35:56

16 eP 11:21:08.1
 eS 33.4
 Distance 210 km

17 iP 00:00:58.8
 iS 01:34.5
 Distance 310 km

17 e(P) 01:23:45.8
 Small Local

17 eP 02:59:09.4
 iS 46;8
 Distance 330 km

17 iP 04:00:27.0
 eS 01:06.5
 Distance 350 km

17 eP 04:48:24.5
 e(S) 49:05.3

17 iP 05:20:01.5
 i(S) 43.0

17 iP 11:14:39.3
 iS 15:18.8
 Distance 350 km

17 iP 20:47:50.6
 Small Local

17 iP 22:16:34.2
 iS 55.2
 Distance 170 km

18 No records from 00:00
 until 19th at 13:00.

19 iP 16:51:13.6
 iS 51:25.0
 Distance 90 km

19 eP 17:26:20.5
 iS 27:36.1
 Distance 710 km

19 eP 18:54:22.9
 e(S) 55:39.1

Nov. 20 eP 12:43:40
 eS 44:55.0
 e 45:19.8
 Distance 705 km

20 iP 13:15:47.5
 Small Local

20 eP 21:58:50.4
 e(S) 59:43.3

22 iP 18:55:27.4
 eS 56:09.5
 Distance 370 km

23 eP 00:32:21.8
 i 32.4
 eS 34:04.8
 e 35:05.5
 e 31.0
 Distance 1100 km?

23 e(P) 00:47:07
 e(S) 48:49

23 eP 04:33:41.1
 iS 34:13.2
 Distance 280 km

23 eP 15:11:21.5
 Small Local

23 eP 17:51:14.4
 iS 51:40.8
 Distance 220 km

24 eP 06:41:30.0
 eS 42:08.2
 Distance 350 km

24 eP 09:43:21.3
 Small Local

24 iP 12:19:34.7
 Small Local

24 iP 13:40:35.9
 iS 41:10.6
 Distance 300 km

25 eP 01:03:00.6
 e(S) 48.0

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PROVISIONAL READINGS AT ANTOFAGASTA.

Nov. 25 eP 02:05:29.9
1962 eS 06:06.5
i 09.3
Distance 320 km

25 eP 05:17:07.5
eS 21.9
Distance 120 km

25 eP 12:09:51.4
e(S) 10:31.5

25 eP 22:42:50.5
eS 13.4
Distance 190 km

26 iP 02:41:28.7
iS 42:08.6
Distance 360 km

26 e(P) 02:49:40.0
iS 50:20.0

26 eP 07:51:22
e 47
iS 52:51.6

27 iP 00:35:27.0
iS 33.1
Distance 50 km

27 eP 02:58:40.3
e(S) 58.5

Nov. 27 iP 13:00:01.0
1962 e(S) 40.3

No records from Nov. 27 at
16:30 to Nov. 28 at 16:24.

28 iP 21:29:04.4
e(S) 45

28 eP 23:19:36.6
iS 58.0
Distance 170 km

29 eP 03:08:41.1
Small Local

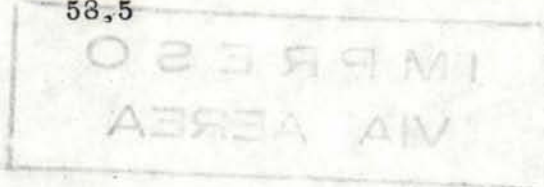
29 eP 08:08:27.3
e(S) 09:03.2

29 eP 09:21:33.2
i(S) 59.9

29 e(P) 11:17:19.2
eS 17:47.1

29 eP 12:08:10.5
eS 38.7
Distance 240 km

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PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Nov. 12 iP 04:51:15.1
1962 eS 25
Compression?
Distance 80 km

12 eP 07:01:12.5
e(S) 02:10.2
Small

12 eP 09:09:56
e(S) 10:15.8

13 iP 03:45:19.5
eS 46:23.5
Distance 590 km

13 eP 04:34:22.3
e(S) 56
Small

13 eP 06:32:46
e(S) 33:01

13 iP 10:40:43.7
e(S) 59
Small

13 e(S) 11:24:51.5
Small Local

13 e(P) 23:19:44
Small Local

14 eP 08:07:51.2
Small

14 eP 08:44:43.4
eS 45:06
Distance 190 km
Small

14 eP 13:13:11.8
eS 53
Distance 370 km

14 e(P) 17:50:21.8
e(S) 57
Small

15 Interpretation difficult by weak recording.

15 iP 01:09:41
e(S) 59
Dilatation?

15 eL 02:01:09

15 eP 03:34:22.7
e(S) 53.4
Small

Nov. 15 eP 07:54:16
1962 iS 39.3
Distance 190 km
Small

15 eP 08:10:50.8
e(S) 11:07
Small

15 eP 15:46:32.4
Small

15 iP 15:53:15.6
i(S) 54:25
Magnitude about 5 1/2

15 eP 16:10:47.4
Further phases unreadable.

15 eP 18:25:56
Small

15 e(P) 18:27:26
e(S) 28:58

15 e(P) 20:04:16

15 eP 20:27:03.5

15 e(P) 21:56:10

~~15 eP 23:30:47
ePP 31:22
eS 35:19.5
eSS 36:27
eR 37:30
Compression?
Distance 27 1/2 °
MH 36.5 u, 20 sec.
Magnitude 5.8~~

16 eP 02:42:06.8
e(S) 43:36

16 iP 04:48:15.2
eS 36.4
Distance 175 km
Small

16 iP 05:35:17.7
iS 32.4
Distance 120 km
Small

~~16 iP 07:25:17.9
ePP 26:30
iS 30:50
e(G) 32:31
e(SS) 32:59
R 34:--
Compression
Distance 35 1/4 °
PZ 6.5u, 8 sec.
SH 34 u, 9 sec.
MZ 60 u, 13 sec.
MH 149.5 u, 15 sec.
Magnitude 6.7~~

PROVISIONAL READINGS AT ANTIAGO,
(Santa Lucía)

Nov. 16 eP 15:06:27.8	Nov. 19 eP 16:50:48
1962 e(S) 07:48	1962 Small Local
16 e(P) 21:30:13.5	19 iP 17:26:41.2
eL 52:42	19 e(P) 18:18:28
MH 7.9 u, 20 sec.	e(S) 19:12.5
16 eP 23:23:53	19 iP 18:53:46.2
e(S) 25:26	iS 54:33
17 iP 01:23:34.1	Dilatation?
e(S) 24:23	Distance 425 km
17 iP 04:28:16.8	19 eP 20:55:25
eS 31.2	e(S) 56:16
Distance 120 km	20 eP 01:21:27
Small	e(S) 22:26.5
17 eL 11:24:44	Small
18 eP 01:11:51.5	20 eP 01:52:15.5
Small Local	Small
18 eP 04:41:11.9	20 eP 06:01:11.9
e(S) 42:14	20 iP 06:16:04
18 iP 05:34:47.7	e(S) 32
iS 36:00	20 eP 07:15:05.7
Distance 680 km	eS 22
18 eP 09:31:10.8	Distance 140 km
eS 24.1	Small
Distance 120 km	20 e(L) 12:35:30
Small	20 i P 12:43:07.2
18 eP 10:10:38.7	eS 54
eS 54.0	Distance 430 km
Distance 125 km	
Small	
18 e(P) 20:22:46	
Small Local	
19 eP 10:21:24.6	
eS 26:55	
eQ 29:36	
eR 31:09	
Distance 36°	
Depth about 100 km	
SH 5.5 u, 10 sec.	
MH 13.4 u, 12 sec.	
Magnitude about 5 1/2	

P. Welkner
Seismologist

PROVISIONAL READINGS AT COPIAPO

Nov. 1st eP 07:27:57.7
1962 eS 28:19.4
7 iP 15:00:56
eS 01:15
Distance 155 km
8 eP 02:12:13
eS 19
Distance 50 km

L. Cabello
Seismologist

N.B. No recording from Nov. 4
at 14:36 to Nov. 6 at 16:03
on account of power failure.

PROVISIONAL READINGS AT SANTIAGO
(Santa Lucía)

Nov. 21 eL 07:22:39
1962

21 iP 08:25:09.6
iS 25.6
Distance 130 km

21 eP 08:38:26
eS 39:19.4
Distance 490 km

21 e(P) 12:08:49
e(S) 09:40
Small

21 e(P) 18:36:24.5
eL 40:29

22 eP 03:48:18.8
Small Local

22 eP 05:29:18.8
eS 40.6
Distance 175 km

22 eP 07:34:05
e(S) 35

22 eP 10:40:13.5
eS 45:51
e(Q) 48:20
eR 49:48
Distance 37°
MH 4.1 u, 26 sec.
Magnitude 5.1

~~23~~ eP 00:34:24
e(S) 37:40
Further phases lost
during paper changing.

23 eP 12:42:20.7
iS 29.5
Distance 70 km
Small

23 eP 15:12:13.1
e(S) 36.8
Small

23 eP 21:52:35.5
eS 53:04
Distance 240 km

24 eL 07:53:--

24 e 09:26:21.5

24 e(P) 10:30:53
e(S) 31:35
Small

~~24~~ eP 16:28:44.4
e(G) 36:16

Nov. 25 eP 04:21:08
1962 eS 38.2
Distance 250 km

~~25~~ iP 16:37:43.9
e(S) 57.5
Small

25 iP 17:28:40.2
iS 57.0
Distance 135 km

25 e(P) 19:44:26
Small Local

26 No records from SP vertical;
very weak recording on LP,
on account of power failure.

26 eL 20:40:29

27 eP 02:05:30.8
e(S) 06:18

27 eP 05:48:01
eS 27
Distance 220 km
Small

~~27~~ eP 07:12:46
ePP 13:47
e(PPP) 14:30
e(S) 22:22.5
Distance ?

~~27~~ e(S) 12:24:43
Small Local

27 eL 17:59:--

27 iP 19:55:48.5
eS 56:36
Distance 430 km

~~28~~ e(P) 02:55:14
Small

28 eL 03:44:--

28 e(P) 05:11:52.2

28 e 05:18:33
e(L) 25:--
Same shock?

28 e(P) 06:12:57.5

28 eP 08:40:26.7
eS 48
Distance 175 km

28 eP 10:06:00
e(S) 21

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Nov. 28 eP 19:09:07
 1962 iS 23
 Distance 130 km
 Small

Nov. 29 eP 00:24:44.6
 e(S) 25:24.1

29 e 07:29:48.5
 Small Local

29 eP 07:56:48.2
 e(S) 58:09.5

29 eL 09:44:--

29 e(P) 10:50:10.5
 e(S) 51:04

29 e(P) 19:31:06
 e 33:55
 e(S) 39:09
 e(G) 49:--
 e(R) 54:28
 MH 5.6 u, 26 sec.

30 eP 02:54:17.2
 eS 29.6
 Distance 100 km
 Small

30 iP 03:14:07.7
 eS 21
 Distance 110 km

30 eP 06:30:26.5
 e(S) 36.5

Nov. 30 eP 06:51:11.3
 1962 e(S) 38

30 e(P) 07:44:39
 e(S) 45:10.2
 Small

30 eP 22:00:54
 e(PcP) 01:32
 eS 09:20
 eG 15:58
 e(R) 18:18
 Distance 82°
 MH 6u, 20 sec.
 Magnitude 5.6

Dec. 1 eL 02:47:--
 (No records from SP vertical in Dec. 1 and 2).

1 e(S) 04:39:59
 eL 57:--

1 eP 13:33:06
 e(PPP) 22
 iS 42
 Distance 320 km
 Magnitude about 4.0

22 eP 03:01:38.2
 iS 02:10.6
 Distance 275 km
 Small

2 e 06:25:55
 eL 34:--

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 Seismologist

PROVISIONAL READINGS AT COPIAPO

Dec. 1 eP 03:04:00
 1962 eS 09.2
 Distance 75 km

Dec. 1 eP 13:33:16
 1962 eS 34:09
 Distance 490 km

L. Cabello
 Seismologist

PROVISIONAL READINGS AT CONCEPCION

Nov. 19 eP 23:59:17.5
 1962
 21 eP 05:39:57
 iS 40:07.3
 Dilatation
 Distance 80 km

21 eP 08:27:23.5
 iS 28
 Dilatation
 Distance 85 km

21 eP 18:37:38.5

Nov. 21 eP 20:20:40.5
 1962
 22 eP 07:33:39.5
 eS 55
 Compression
 Distance 125 km

22 eP 11:17:01.3
 22 eP 19:55:--
 Dilatation

23 eP 16:32:31.5
 eS 51
 Distance 165 km

Dec. 1962

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PROVISIONAL READINGS AT SANTIAGO.
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Dec. 3 e 1962	02:57:38		Dec. 6 eP 1962	06:47:10
	No records on S.P. Vertical		ePPP	32
3 e(P)	09:39:51		eS	50:05
e(S)	40:27		eSSS	56
Small			eR	51:22
3 eP	21:54:13		Distance	16 1/2°
e(L)	56:12		SH	13.6 u, 8 sec.
			MH	16.2 u, 15 sec.
			Magnitude	5-5 1/2
4 e(S)	03:46:39		6 iP	22:24:55
e(G)	52:--		Dilatation	
e(R)	54:46		Small	
MH	3.7 u, 18 sec.		6 iP	22:37:02.6
4 iP	07:25:52.7		iS	19
ePP	26:05		Distance	130 km
ePPP	18		7 eP	04:08:47.8
iS	28:09		Small Local	
eR	29:02		7 iP	05:19:56.2
Compression from NE?			iS	20:23
Distance	12 1/2°		Compression	
SH	30 u, 4 sec.		Distance	240 km
MH	6 u, 12 sec.		7 iP	06:47:10.5
Magnitude about	4 1/2		e(S)	36
4 e(P')	16:55:50		7 e(P)	08:35:08.5
e(S)	17:03:39		e(S)	18.2
e	10:10		Small	
eL	21:45		7 e(P)	09:29:34
4 eL	21:13:--		7 eP	14:22:42.6
5 eP	05:22:28		ipP	23:07.2
e(S)	56		i	24:24.4
Small			ePP	25:58
5 iP	06:27:23.7		esPP	26:32
iS	38.3		e	29:16.4
Dilatation from S-W?			iS	32:49.2
Distance	120 km		e(SS)	38:36
5 e(P)	07:07:14.5		ePKKP	40:44
e(S)	21.5		eSSS	41:35.8
Small			eQ	43:--
5 e(S)	11:43:22		Distance	85°
eL	47:28		L	100 km
6 eP	03:47:49.4		SH	6.5 u, 6 sec.
e(S)	50:15		Magnitude about	6 1/2
eSS	33		8 eP	17:10:57
eR	58		8 eP	18:02:57.5
Distance about	13°		e(PP)	03:40
			iS	04:56
			iSS	05:38
			eR	08:(30)
			Distance	11°

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PROVISIONAL READINGS AT SANTIAGO,
(Santa Lucía)

Dec. 8 eP 18:31:38.5
1962 eS 54.5
e(R) 32:03
Distance 130 km
Small

8 iP 21:29:36.8
iS 31:32.1
Compression del N-E?
Distance 1000 km
Magnitude about $6\frac{1}{2}$ -7.0

9 eP 03:29:08.5
e(S) 29

9 eP 06:10:54
Small Local

9 eP 13:07:14
eS 39
Distance 210 km
Small

9 iP 16:46:13.9
Small Local

9 e(P) 19:14:58.5
e(S) 15:47.5

9 eP 19:48:41.5
e(S) 49:04.5

Dec. 10 iP 02:37:57.3
1962 iS 38:08.0
Small
Distance 80 km

10 eP 07:20:29.7
eS 46.4
Small
Distance 125 km

10 eP 13:05:53.0
Small Local

10 e(P) 17:08:59
e(SKS) 19:07
eL 36:--

10 eP 18:00:23
e(S) 36.5
Small

P. Welkner
Seismologist

PROVISIONAL READINGS AT CONCEPCION

Dec. 3 eP 21:53:21.2
1962

8 eP 21:30:15.8
iS 32:40
Distance 1350 km

A. Sickinger
Seismologist

PROVISIONAL READINGS AT COPIAPO

Dec. 4 eP 07:24:47.7
1962 eS 26:04.8
Distance 725 km

5 e(P) 17:54:07

6 eP 03:46:28
e 47:12
eS 17
Distance 445 km

7 eP 09:28:15.8
eS 20
Distance 35 km

Dec. 8 eP 18:01:38.5
1962 e 43.6
e 48
eS 02:18.6
Distance 355 km

8 iP 21:29:04.9
iS 30:29.5
Distance 800 km

L. Cabello
Seismologist

Concepcion

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucia)

Dec. 11 eP 03:40:27	Dec. 13 eP 08:34:59.5
1962 e(S) 35	1962 eS 35:55
Small	e(R) 36:17
	Dilatation?
11 eP 05:31:35	Distance 510 km
e(S) 32:00	
Small	
11 e(P) 05:50:49	13 e(S) 11:17:35
	Small
11 eP 06:09:52.5	13 iP 11:28:30.6
eS 10:13.7	iS 55.5
Distance 170 km	Distance 210 km
11 eP 09:07:05.7	13 eP 15:46:47.3
eS 35.5	e(S) 47:05
Distance 260 km	13 eL 18:55:39
11 iP 13:05:35.4	13 e(P) 19:34:14
e(S) 52.5	
11 e(S) 18:30:18.50	14 No records from electro
Small Local	magnetic seismographs.
12 eP 01:35:45.3	15 No records from SP
Small	Vertical-Timing doubt-
	ful!
12 iP 01:47:46.8	15 eP 01:52:58
eS 48:06.4	iS 53:11
Distance 160 km	Distance 100 km
	Small
12 eP 01:56:49.3	15 eP 04:10:09
e(S) 57:04.2	e(S) 44
Small Local	
<input checked="" type="checkbox"/> 12 eP 10:28:12.4	16 Records useless on ac-
e(S) 37:23.8	count of timing failure.
e 44:43.3	
L 45:--	
12 e(S) 12:39:18.6	17 eP 03:20:02.6
	Small Local
12 eP 14:03:59.8	<input checked="" type="checkbox"/> 17 eP 11:19:13
eS 04:14.6	e(S) 22.5
Small Local	Small
12 e(S) 18:24:21.3	17 iP 11:38:29
<input checked="" type="checkbox"/> 12 eP 23:16:12.8	iS 50
<input checked="" type="checkbox"/> 13 eP 04:22:20.2	Compression from S-W?
iS 28.4	Distance 170 km
Distance 70 km	
Small	<input checked="" type="checkbox"/> 18 e(P) 03:13:58
13 eP 07:10:32.8	Small Local
eS 40.6	18 eP 07:54:25.5
Distance 70 km	e(S) 59:24
Small	eL 08:00:32
	18 e(S) 09:50:16.5

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Dec. 18 e	10:46:25	Dec. 22 eP	02:24:06.5
1962 ✓		1962	e(S) 15
19 iP	02:59:34		Small
e(S)	50.5	22 eP	08:29:38
Small		e(S)	30:27
19 e(P)	08:20:25.5	Small	
e(S)	34.5	✓ 22 e	15:48:38
Small		e(PP)	50:41
20 eP	18:46:49	e(SKS)	57:04
Small		e	16:01:42
20 eP	20:15:12	e(G)	10:38
eS	16:34.4	eR	16:34
Distance	780 km	MH	14.7 u, 17.5 sec.
20 iP	20:23:36.2	23 eP	06:43:54
e(S)	24:13	23 iP	07:56:43.5
21 iP	00:36:46	eS	57:16
Local		Distance	180 km
21 eL	01:52:--	23 eP	19:00:36.5
First phases lost during		Small	Local
paper change		24 eP	00:31:20
MH 10 u, 22 sec.		24 e(P)	09:33:12.5
21 e(P)	01:43:57	e(S)	36
Small		Small	
✓ 21 e(P)	09:02:06	24 eP	12:32:47
e	10:54	e(S)	34:19
e(SKS)	12:48	24 eP	13:40:26
eG	32:12	e(S)	43.5
R	37:--	Small	
MH 23 ✓ u,	15 sec.	24 e(P)	14:59:29
21 eP	09:45:10.7	e(S)	15:00:46
e(S)	46:55.5	Small	
Superposed to the pre-		24 eP	17:31:24
ceding shock		eS	50
21 eP	09:53:09.5	Distance	210 km
Small		24 eP	17:59:53
21 eP	19:25:05	e(S)	18:00:18
Small	Local	Small	
✓ 21 eP	21:34:29.5	24 e(P)	21:59:32.5
e(S)	42.5	Small	Local
Small		24 eL	22:47:--
✓ 22 e(PP)	01:17:37	25 eP	02:32:18
e(S)	24:28	e(S)	33:02
eG	34:--		
eR	38:48		
First phases lost			
during paper change.			
MH 9.8 u, 18 sec.			

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PROVISIONAL READINGS AT SANTIAGO
 (Santa Lucía)

Dec. 25 iP 03:21:07.4	Dec. 27 eP 18:05:21
1962 eS 37	1962 Small
Distance 260 km	
25 eP 06:32:03	27 eP 19:13:22.5
eS 14	Small
Small	
Distance 90 km	27 iP 20:12:40.2
25 e(P) 07:55:23.5	28 eP 14:42:46.5
e(S) 56:36.5	e(S) 43:04
Small	Small
25 eP 12:15:04	29 eP 04:31:43
eS 19:31	Small
e(G) 20:10	
eR 21:26	29 eP 09:46:27.5
Distance 261/2°	eS 47:19
MH 11.4 u, 10 sec.	Distance 470 km?
Magnitude 5.3	29 eP 10:44:13
25 eP 12:45:59	eS 46:36
25 e 12:47:38.5	Dilatation from N-W?
Same shock?	Distance 16 1/2°
26 e(P) 00:37:02.5	Magnitude about 5 1/2-6
e(S) 57	29 e(P) 15:00:18
26 eP 05:15:53	eS 10:41
iS 16:16	eL 16:33
Distance 180 km	MH 4.3 u, 17 sec.
Small	29 eP 20:16:07.5
26 e 22:56:52	eS 39.5
e(S) 23:04:54	Distance 270 km
e 15:54	Small
e(G) 19:20	29 iP 22:33:37.8
eR 27:39	iS 34:04
MH 17.4 u, 20 sec.	Distance 220 km
First phases lost during	30 eP 07:01:12
paper change	e(S) 31
27 eP 02:19:55.5	30 iP 08:51:48
Small Local	Small Local
27 eP 02:58:23.5	30 eP 13:56:42.5
Small	e(S) 57:01
27 eP 04:50:49	30 iP 14:11:33.4
e(S) 51:07	iS 52
27 eP 08:39:25	Distance 150 km
e(S) 36	30 eP 17:25:37
Small	30 eL 18:51:--
27 eP 10:05:00	31 e(S) 09:10:17
e(S) 48	Small Local?
27 iP 11:15:01	31 iP 22:15:30.3
e(S) 32	iS 41.5
	Dilatation
	Distance 90 km

P. Welkner
 Seismologist

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PROVISIONAL READINGS AT CONCEPCION

Dec. 1962	20	eP	20:14:17.4	Dec. 1962	27	eP	13:04:46.5
		eS	39				
			Distance 175 km				
			Dilatation				
	24	eP	23:39:55		29	e(P)	10:44:53.5
							Distant shock
	27	iP	08:27:58		29	eP	22:33:43

A. Sickinger
 Seismologist

PROVISIONAL READINGS AT COPIAPO

Dec. 1962	11	e	05:50:17	Dec. 1962	24	iP	12:31:24
	12	e	00:21:54			eS	35
		e	22:11				Distance 90 km
	13	eP	19:33:37.4		24	eP	14:58:00
		eS	41.3			eS	09
			Distance 30 km				Distance 75 km
	13	e	19:33:44		25	e	11:59:19
	14	eP	17:44:14.5		25	e	12:18:05
		eS	15.8			e	19:37
			Distance 10 km			e	21:27
	14	e	17:55:00		26	eP	00:36:26
						eS	43
							Distance 140 km
	15	eP	20:08:12.9		26	iP	23:09:37.2
		eS	23.2			iS	10:05.7
			Distance 85 km				Distance 245 km
	21	iP	09:44:00		27	eP	11:14:28
		iS	45:07.7			eS	53
			Distance 630 km				Distance 205 km
	22	e	08:28:55		27	eP	20:12:14
	23	eP	06:43:03.6			eS	22
		iS	19.4				Distance 65 km
			Distance 125 km		29	eP	10:42:52
	24	eP	05:44:41			eS	44:32
		eS	55				Distance 920 km
			Distance 110 km				

L. Cabello
 Seismologist

Antofagasta
Dec. 1962

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PROVISIONAL READINGS AT ANTOFAGASTA.

No recording from Nov. 29 at 15:25
to Nov. 30 at 23:00.

Nov. 30 eP 23:28:10.9
1962 eS 51.5
Distance 360 km

Dec. 1 eP 03:04:33.5
1962 Small Local

1 iP 06:34:53.4
iS 06.7
Distance 110 km

1 eP 13:34:01
i 12.7
iS 35:49.7
Distance 1000 km

1 iP 13:56:20.7
iS 40.8
Distance 180 km

2 eP 02:08:41.9
e(S) 09:17.4

2 eP 06:34:00.3
eS 16.9
Distance 130 km

2 eP 09:45:30.1
iS 46:12.3
Distance 380 km

2 iP 10:46:04.0
iS 10.6
Distance 50 km

2 e(P) 16:10:25.0
e 27.2
i(S) 50.6

2 eP 19:12:48.3
i(S) 13:09.9

2 iP 20:12:23.1
iS 27.8
Distance 30 km

2 eP 20:24:10.7
iS 51.2
Distance 360 km

2 eP 23:28:32.0
eS 29:12.4
Distance 360 km

3 eP 04:07:37.1
iS 08:13.0
Distance 310 km

Dec. 3 eP 04:23:37.3
1962 Small Local

3 e(P) 18:03:52.0
e 53.8
iS 04:22.8

3 iP 18:34:38.1
Small Local

3 eP 22:45:42.3
Small Local

3 eP 23:41:25.3
e 27.7
eS 42:07.1
Distance 370 km

4 iP 00:55:27.9
e(S) 56:10.1
i 15.6

4 eP 01:15:57
eS 16:39.5

4 iP 02:13:25.4
iS 31.8
Distance 50 km

4 eP 02:33:58.5
iS 34:26.1
Distance 230 km

4 eP 03:04:20.0
e(S) 05:00

~~4~~ eP 07:24:20.0
~~i(S)~~ 25:04.5

4 eP 11:26:47.2
i 48.1
iS 27:37.0
Distance 450 km

4 eP 13:12:38.3
Small Local

4 eP 15:06:53.5
e(S) 07:18.0

5 eP 03:13:56.5
e(S) 15:06.5

5 eP 03:49:17.4
eS 55.0
Distance 330 km

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PROVISIONAL READINGS AT ANTOFAGASTA.

Dec. 5 e(P) 04:42:40.5	Dec. 7 iP 23:30:38.7
1962 eS 43:10.4	1962 Small Local
5 eP 07:01:58.7	8 eP 01:50:53.5
e(S) 02:13.8	eS 51:32.3
	Distance 350 km
5 iP 16:42:12.1	8 eP 08:33:05.5
iS 24.8	e(S) 41.6
Distance 100 km	
5 e(P) 18:54:30.9	8 eP 08:44:28.9
e(S) 55:34.0	e(S) 45:08.7
6 eP 00:03:01.2	8 iP 18:01:01.4
iS 51.5	Small Local
Distance 460 km	
6 eP 00:06:53.0	8 iP 20:53:33.3
e(S) 07:22.7	i(S) 54:05.4
6 eP 00:34:27.6	8 iP 21:29:07.8
iS 49.3	
Distance 170 km	
6 iP 03:15:53.6	
Small Local	
6 e(P) 06:49:09	
6 eP 12:19:48.4	
iS 18.1	
Distance 250 km	
7 eP 03:04:07.8	
e(S) 38.1	
7 eP 09:29:48.7	
Small Local	
7 e(P) 14:22:41	
i 23:03.7	
e(S) 24:25	
7 iP 21:09:59.4	
iS 10:28.2	
Distance 240 km	
7 iP 21:41:02.4	
iS 08.4	
Distance 50 km	

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Seismologist

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PROVISIONAL READINGS AT ANTOFAGASTA

Dec. 1962	9 eP	20:21:15.8	Dec. 1962	14 e(P)	09:07:15.5
	iS	53.4		eS	52.0
		Distance 330 km			
	9 iP	21:44:31.9		14 iP	17:53:38.6
	iS	45:24.1		i(S)	54:20.1
		Distance 480 km			
	10 eP	04:20:09.5		15 eP	01:01:14.0
	iS	37.5		i	14.5
		Distance 240 km		iS	02:04.2
					Distance 460 km
	10 eP	18:44:40.4		15 eP	06:25:49.1
		Small Local		e(S)	26:29.8
	11 eP	00:58:34.0		15 eP	07:11:41.0
	eS	59:03.5		i	41.7
		Distance 250 km		i(S)	12:29
	11 eP	15:24:36.2		15 iP	08:51:12.9
	iS	25:03.3		i(S)	27
		Distance 230 km			
	12 iP	00:21:46.0		15 eP	10:44:57.5
	Small	Local		eS	45:25.0
					Distance 230 km
	12 iP	06:02:20.1		15 iP	19:13:13.9
	iS	25.5		iS	34.2
		Distance 40 km			Distance 160 km
	12 eP	06:04:16.6		15 eP	23:03:36.1
	iS	05:08.6		eS	04:05.0
		Distance 480 km			Distance 250 km
	12 iP	13:39:22.3		15 eP	23:21:47.5
	iS	58.0		eS	22:14.9
		Distance 310 km			Distance 230 km
	12 eP	15:43:53.8		16 eP	05:59:29.7
	eS	44:07.5		i	30.2
	i	09.9		iS	07:00:09.6
		Distance 110 km			Distance 350 km
	12 iP	22:31:46.5		16 eP	20:18:54.3
	i(S)	53.3		iS	19:20.8
					Distance 220 km
	13 iP	11:14:25.8		16 iP	20:24:24.7
	i(S)	15:01.0		iS	25:03.0
					Distance 340 km
	13 iP	22:18:45.4		16 eP	20:23:42.0
	i(S)	57.3		i(S)	24:18.2
	14 iP	00:58:18.9			
	iS	36.8			
		Distance 140 km			
	14 e(P)	09:05:23.3			
	e(S)	55.5			

No records from Dec. 16
 at 22.15 to Dec. 17 at
 09.45

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PROVISIONAL READINGS AT ANTOFAGASTA

Dec. 17 iP 19:42:40.2
 1962 iS 47.0
 Distance 60 km

17 eP 21:41:56.6
 e(S) 42:02

17 eP 22:10:34.2
 e(S) 11:01.7

17 iP 01:55:38.6
 iS 56:17.6
 Distance 350 km

17 eP 02:12:41.5
 eS 13:20.7
 Distance 350 km

18 eP 10:00:41.7
 iS 48.8
 Distance 60 km

18 eP 15:50:05.1
 i 05.4
 e(S) 44.0
 i 44.7

19 eP 02:15:34.7
 i 36.7
 iS 55.0
 Distance 160 km

19 eP 03:36:56.0
 e 37:35.3
 iS 36.1
 Distance 360 km

19 eP 06:21:19.0
 iS 33.0
 Distance 110 km

19 iP 09:49:20.0
 eS 59.5
 Distance 350 km

19 eP 20:30:22.1
 eS 31:01.8
 Distance 350 km

20 eP 03:02:47.9
 eS 03:13.9
 Distance 220 km

20 eP 22:18:32.0
 Small Local

~~21 eP 01:03:58~~

Dec. 21 eP 03:15:33.7
 1962 Small Local

~~21 iP 09:43:40.0~~
 Local

~~21 eP 09:52:55.4~~
 i 57.3

21 iP 10:16:19.7
 iS 34.3
 Distance 120 km

21 eP 10:45:58.1
 iS 46:38.2
 Distance 360 km

21 eP 13:05:11.1
 eS 51.6
 i 52.5
 Distance 360 km

21 iP 19:23:34.2
 iS 24:23

~~21 e(P) 21:33:10.0~~
 i 15.5

21 eP 22:01:49.0
 e 03:06.5
 eS 08.9
 Distance 750 km

~~22 e(P) 02:19:29.7~~

22 eP 10:35:37.1
 eS 36:14.3
 Distance 330 km

22 eP 19:46:12.6
 iS 47:01.9
 Distance 450 km

No records from Dec. 22
 at 22.20 to Dec. 23 at
 15.20

24 eP 00:55:14.3
 iS 34.8
 Distance 160 km

24 eP 12:32:07.5
 iS 33:02.3
 Distance 500 km

24 iP 23:14:10.0
 iS 23.4
 Distance 110 km

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PROVISIONAL READINGS AT ANTOFAGASTA

Dec. 1962	25	eP	04:27:31.5	Dec. 1962	27	eP	00:13:54.5
		e(S)	51.5			eS	14:18.8
							Distance 200 km
	25	iP	06:58:10.4		27	iP	01:38:47.2
		iS	36.3			i(S)	39:24.1
			Distance 220 km				
	25	iP	10:02:04.0		27	iP	02:13:35.1
		i(S)	47.9			iS	48.1
							Distance 105 km
	25	eP	12:45:57.0		27	eP	10:01:57.4
		eS	47:33.1			i(S)	02:23.6
		i	39.0				
			Distance 8°		27	eP	11:15:05.7
	25	eP	14:36:00.6			i	10.5
		eS	28.3			eS	49.4
			Distance 230 km			i	16:06.6
							Distance 390 km
	25	eP	19:03:17.1				
		eS	54.9				
			Distance 330 km				
	25	iP	19:29:53.9				
		eS	30:34.5				
			Distance 360 km				
	26	iP	23:10:07.5				
		iS	36.9				
			Distance 250 km				

From this date on the Antofagastan seismological data will be given by the new VELA Uniform Station installed by the US Coast and Geodetic Survey.

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