

UNIVERSIDAD DE CHILE
Departamento de Geofísica y Geodesia

07 - 67

Chile
FEB 9 MAR '67
9 APL.

1.
Casilla 2777
Santiago, Chile

PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Feb.27 eP 19:47:08.5 1967 eS 18.5 Dist. 80 Km	Mar.02 eP 16:23:00 1967 eS 24:10.5 Dist. 680 Km	Mar.04 eP 08:45:03.5 1967 eS 46:13.0 Dist. 675 Km
28 eP 01:21:41.2 eS 22:05 Dist. 220 Km	03 eP 00:04:33.6 eS 48.8 Dist. 130 Km Small	eP 09:15:51.4 Distant shock
eP 03:56:12.5 eS 38 Dist. 235 Km	eP 03:05:33.5 iS 43.6 Dist. 80 Km	eP 09:42:17.6 Distant shock
eP 04:46:25.8 i 27 iS 53 Dist. 260 Km	eP 03:19:10.0 iS 33.9 Dist. 220 Km	iP 12:49:22.6 iS 31.2 Compression Dist. 65 Km Small
iP 05:13:56.2 eS 14:15.5 Dist. 175 Km	eP 05:45:07.0 Distant shock	iP 16:21:40.2 iS 53.2 Dilatation Dist. 110 Km
eP 09:58:(04) eS 32 Dist. about 260 Km	eP 15:18:50.6 eS 19:02.0 Dist. 95 Km Small	eP 22:32:10.7 Distant shock
eP 12:10:51 eS 11:20 Dist. 270 Km	eP 16:11:57.1 e 12:07.7 e(S) 38.2	05 iP 04:17:30.1 iS 48.2 Dilatation Dist. 165 Km
eP 17:07:48.2 eS 08:09 Dist. 190 Km	eP 18:25:20.2 eS 38.5 Dist. 165 Km	eP 07:26:22.1 Distant shock
Mar.01 e(PKP) 14:43:59.7 1967	eP 19:47:37.0 eS 48:51.6 Dist. 725 Km	eP 16:59:57.2 iS 17:00:14.8 Compression Dist. 155 Km
eP 15:43:05.4 iS 20.1 Small Dist. 130 Km	eP 22:09:41.7 eS 10:09.0 Dist. 255 Km	eP 18:28:00.5 eS 30.6 Dist. 280 Km
eP 23:36:02.1 eS 16.5 Dist. about 120 Km	iP 23:08:54.3 iS 09:20.0 Compression Dist. 235 Km	eP 19:59:09.4 eS 42.0 Dist. 305 Km
02 eP 02:54:03.4 Distant shock	eP 23:48:24.0 Distant shock	eP 22:31:43.6 eS 32:11.0 Dist. 155 Km
eP 08:05:38 eS 51.5 Dist. 115 Km	04 eP 03:47:31.5 Distant shock	06 eP 20:44:06.4
eP 10:05:01.3 eS 15.5 Dist. 120 Km	eP 06:29:06.3 Dilatation Distant shock	eP 20:47:29.6 eS 47.5 Dist. 160 Km
eP 15:14:43 eS 15:33 Dist. 480 Km		

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PROVISIONAL READINGS AT PELDEHUE

Mar.06 eP 23:08:05.5 1967 eS 37.4 Dist. 300 Km	Mar.09 eP 11:45:32.0 1967 e(S) 47:10 eP 20:00:(30) Distant shock eP 22:57:13.4 iS 28.3 Dilatation Dist. about 120 Km	Mar.10 eP 23:49:26.2 1967 eS 38,7 Dist. 105 Km
07 eP 06:20:51.9 eS 21:07.0 Dilatation Dist. 130 Km eP 08:07:10.7 eS 37.7 Dist. 250 Km eP 13:40:53.0 eS 41:12.5 Dist. 175 Km	10 eP 01:09:35.5 eS 50.2 i 50.5 Dist. about 130 Km eP 18:56:38.8 eS 57:12.5 Dist. 315 Km iP 21:04:52.0 iS 54.5 Compression Local eP 22:03:47.5 iS 04:19.6 Dist. 300 Km	11 eP 04:20:43.3 Distant shock eP 05:21:12.5 Distant shock eP 06:02:53.7 eS 03:04.0 Dilatation Dist. 85 Km Small eP 06:06:32.0 eS 42.0 Dist. 80 Km eP 08:43:42.9 eS 45:21.0 Dist. 860 Km eP 09:05:27.2 eS 06:33.3 Dist. 640 Km
08 eP 03:56:08.4 iS 21.3 Small Dist. 110 Km eP 17:13:33.5 e 48 e(S) 14:10.7		
09 eP 05:02:02.1 Distant shock		

C. Gallardo
Seismologist

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Mar.05 iP 04:17:34.3 1967 iS 52.6 Compression Dist. 160 Km	Mar.07 eP 08:07:14.2 1967 eS 45.0 Dist. 270 Km	Mar.08 eP 17:13:33.9 1967 e(S) 14:07.6
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C. Gallardo
Seismologist

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Mar.02 iP 15:13:47.9 1967 iS 52 Dist. 35 Km	Mar.06 eP 20:43:24 1967 08 eP 17:13:13 eS 28 Dist. 125 Km	Mar.08 iP 23:20:31.5 1967 iS 34.5 Dist. 25 Km
06 eP 15:26:17.5		

H. Becker
Seismologist

IMPRESO ORDINARIO



INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEM OBSERVATORY
RICHMOND SURREY ENGLAND

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 Departamento de Geofísica y Geodesia

08-67

 Casilla 2777
 Santiago, Chile

Chile
Feb. & Mar. 1967

PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Mar.15 1967	iP 03:29:41.2 iS 30:00.2 Dilatation Dist. 170 Km	Mar.18 1967	eP 08:38:16.7 i 30.5 iS 59.3 Dist. 405 Km	Mar.19 1967	iP 16:16:21.2 iS 45.2 Dilatation Dist. 220 Km
	iP 04:15:22.7 eS 52.5 Compression Dist. 280 Km		iP 09:37:26.7 iS 46.0 Compression Dist. 175 Km		eP 17:59:30.0 eS 43.5 Dist. 115 Km
	eP 08:28:20.0 eS 29:02.5 Dist. 405 Km		eP 10:03:09.0 eS 04:19.0 Dist. 680 Km		iP 21:25:43.8 e(S) 26:48.0 Dilatation
	eP 13:14:23.5 eS 31.2 Dist. 55 Km Small		eP 11:51:25.3 iS 35.0 Dist. 80 Km		iP 22:36:35.6 i 37:28.0 iS 41.0 Dist. 635 Km
	eP 14:23:08.0 Distant shock		iP 12:53:54.0 eS 54:08.0 Dilatation Dist. 120 Km	20	iP 00:53:47.6 iS 54:04.8 Dilatation Dist. 150 Km
16	iP 09:36:28.2 iS 38.5 Dilatation Dist. 85 Km	19	eP 01:29:51.2 Distant shock		eP 13:51:08.2 Distant shock
	eP 10:50:25.8 eS 51:10.0 Dist. 420 Km		eP 02:16:16.5 e 33.3 eS 17:46.3 Dist. 880 Km		eP 14:00:26.2 Distant shock
	eP 13:28:24.3 Distant shock		eP 04:21:12.2 eS 33:02.0 eSP 34:50.0 eSSS 44:12.0 Dist. 105°		eP 14:11:40.2 Distant shock
	eP 15:19:31.0 Distant shock			21	iP 03:23:48.5 iS 57.2 Dilatation Dist. 80 Km
17	eP 00:46:39.5 eS 47:12.7 Dist. 310 Km		eP 05:09:33.0 iS 49.0 Dist. 140 Km		iP 08:37:31.2 iS 47.8 Dilatation Dist. 145 Km
	eP 07:34:54.3 Distant shock		eP 05:32:01.0 iS 23.6 Dist. 205 Km		eP 11:40:44.0 iS 56.4 Dist. 105 Km Small
	eP 09:00:15.5 e(S) 43.0		eP 06:09:46.9 Distant shock		eP 12:02:32.6 eS 50.7 Dist. 260 Km Small
	eP 13:20:06.7 Distant shock		eP 14:08:47.0 Distant shock		
	eP 23:30:31.0 Distant shock		iP 14:34:09.0 eS 44.0 Compression Dist. 330 Km		eP 12:29:09.8 eS 49.8 Dist. 380 Km
18	eP 07:35:17.0 Distant shock				

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PROVISIONAL READINGS AT PELDEHUE

Mar. 21 1967	eP 16:48:34.8 eS 49:29.0 Dist. 520 Km eP 22:18:39.2 Distant shock iP 23:24:13.3 iS 49.6 Dilatation Dist. 345 Km	Mar. 24 1967	eP 06:19:48.8 eS 20:21.7 Dist. 710 Km iP 09:07:47.6 iS 08:03.8 Compression Dist. 140 Km iP 09:18:13.2 iS 45.0 Compression Dist. 300 Km iP 12:10:55.6 iS 11:20.6 Compression Dist. 230 Km	Mar. 27 1967	eP 00:01:41.3 Distant shock iP 03:12:18.2 iS 33.0 Dilatation Dist. 130 Km eP 08:31:06.5 Distant shock eP 09:00:21.4 Distant shock iP 10:45:16.2 iS 30.7 Dilatation Dist. 125 Km
22	eP 00:54:01.2 eS 41.5 Dist. 385 Km iP 06:20:16.8 iS 31.5 Compression Dist. 130 Km iP 10:33:53.7 iS 34:06.5 Compression Dist. 110 Km iP 16:00:55.6 iS 01:26.6 Compression Dist. 290 Km eP 16:24:56.0 Distant shock eP 21:24:47.0 e 13.0 Distant shock iP 21:37:40.6 iS 38:02.7 Dilatation Dist. 200 Km	25	eP 04:25:29.7 eS 56.7 Dist. 250 Km iP 06:11:25.2 iS 38.5 Dilatation Dist. 115 Km eP 11:58:55.0 eS 59:23.6 Dist. 265 Km eP 12:20:52.7 Distant shock iP 19:39:11.8 eS 34.2 Dilatation Dist. 205 Km eP 23:07:32.0 Distant shock	28	iP 14:30:24.2 iS 35.0 Dilatation Dist. 90 Km Mag. 5.6 DGG Felt III at Santiago eP 14:50:58.2 Distant shock eP 20:38:17.2 Distant shock
23	iP 10:03:35.4 iS 53.7 Dilatation Dist. 165 Km eP 18:51:55.3 Distant shock iP 11:58:39.0 eS 59:02.5 Dilatation Dist. 215 Km	26	iP 23:59:29.2 iS 41.0 Dilatation Dist. 100 Km iP 06:07:09.1 iS 20.5 Dilatation Dist. 95 Km eP 17:20:13.0 Distant shock		

C. Gallardo
Seismologist

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

<p>Mar.11 eP 14:54:49.2 1967 Distant shock</p> <p>12 eP 02:53:48.5 eS 58.7 Dist. 80 Km Small</p> <p>eP 10:51:08.0 eS 52:34.1 Dist. 840 Km</p> <p>eP 14:28:05.0</p> <p>eP 21:28:10.7 eS 29.0 Dist. 165 Km</p> <p>13 eP 10:44:09.0 eS 18.6 Dist. 75 Km</p> <p>eP 16:08:39.2 e(S) 44.0</p> <p>14 eP 03:03:31.2 e(S) 04:31.2</p> <p>15 eP 03:29:46.5</p> <p>16 iP 09:36:30.9 i(S) 40.6 Dilatation</p>	<p>Mar.16 iP 18:58:08.5 1967 Dilatation</p> <p>19 eP 04:21:08.5 Distant shock</p> <p>iP 22:36:31.7 e(S) 37:52.5 Dilatation</p> <p>20 eP 00:53:48.3 eS 54:05.2 Dist. 150 Km</p> <p>21 iP 03:23:51.2 iS 24:04.5 Dilatation Dist. 115 Km</p> <p>22 iP 06:20:15.0 iS 29.1 Compression Dist. 120 Km</p> <p>23 iP 10:03:32.7 Dilatation</p> <p>24 eP 09:07:51.5 e(S) 08:04.5</p> <p>eP 09:18:18.0 iS 54.0 Dist. 340 Km</p>	<p>Mar.24 iP 12:10:58.8 1967 eP 11:25.4 Compression Dist. 245 Km</p> <p>25 iP 06:11:27.1 iS 42.4 Dilatation Dist. 135 Km</p> <p>26 iP 06:07:05.8 iS 15.2 Dilatation Dist. 75 Km</p> <p>27 iP 03:12:15.8 i(S) 23.0 Compression</p> <p>28 iP 14:30:25.5 iS (39) Dist. about 115 Km</p> <p style="text-align: right;">C. Gallardo Seismologist</p>
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PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

<p>Mar.13 eP 16:07:47 1967 eS 08:28.5 Dist. 375 Km</p> <p>16 eP 13:12:14</p>	<p>Mar.17 eP 05:33:57 1967 eS 34:09 Dist. 100 Km</p> <p>19 eP 21:24:51 eS 25:14 Dist. 200 Km</p>	<p>Mar.19 eP 22:35:39 1967 eS 36:05 Dist. 235 Km</p> <p style="text-align: right;">A. Sickinger Seismologist</p>
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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

<p>Jan. 28 1967 eP 19:58:38.5 eS 50.6 Dist. 100 Km</p> <p>e(P) 20:03:14.9 e 18.7 e(S) 39.1 i 42.3</p> <p>iP 21:04:56.9 iS 05:04.4 Dist. 70 Km Dilatation from SE</p>	<p>Jan. 30 1967 eP 04:53:36 eS 58.9 Dist. about 200 Km</p> <p>eP 07:19:16.3 eS 31.9 Dist. 130 Km</p> <p>e(P) 12:42:49.4 eS 43:15.5</p> <p>iP 13:17:26.1 eS 18:07.3 Dist. 370 Km</p> <p>iP 13:22:42.9 iS 23:18.6 Dist. 320 Km Compression from E</p> <p>iP 17:34:29.6 iS 35:02.0 i 06.8 Dist. 190 Km Compression from S</p> <p>eP 20:07:50.0 eS 08:27.8 Dist. 340 Km</p> <p>eP 21:21:34.7 eS 22:26.0 Dist. 500 Km</p> <p>e(P) 23:01:11 eS 02:17.6</p> <p>eP 23:13:18.3 e(S) 36.3</p> <p>31 e(P) 00:58:44.6 eS 59:09.2</p> <p>eP 01:48:06.9 eS 34.4</p> <p>eP 03:07:23.0 eS 47.2 Dist. 210 Km</p> <p>eP 03:44:18.8 eS 44.2 Dist. 220 Km</p> <p>iP 06:45:54.2 iS 46:33.7 Dist. 360 Km Compression from ESE</p>	<p>Jan. 31 1967 eP 09:14:28.9 eS 46.9 Dist. 150 Km</p> <p>eP 10:42:12.5 eS 36.8 Dist. 210 Km</p> <p>eP 13:43:40 eS 48:36 eSS 50:02 eR 51:38 Dist. about 30°</p> <p>e 18:03:31.7</p> <p>eP 19:23:22.0 eS 41.9 i 45.2 Dist. 170 Km</p> <p>eP 22:18:59.3 eS 19:19.9</p> <p>eP 22:35:05.5 eS 17.8 i 26.8 Dist. 100 Km</p> <p>eP 22:53:15.3 e(S) 41.6</p> <p>eP 23:07:44.9 eS 08:08.4 Dist. 210 Km</p> <p>Feb. 01 eP 06:24:11.6 eS 47.7 Dist. 320 Km</p> <p>eP 10:46:49.7 eS 47:06.3 i 13.7 Dist. 140 Km</p> <p>iP 14:45:47.9 eS 47:00.4 i 02.9 Dist. 700 Km Compression from SSW</p> <p>eP 15:35:44.7 eS 36:24.1 Dist. 350 Km</p>
<p>29 eP 06:19:59.9 eS 20:21.3 Dist. 180 Km</p> <p>eP 10:38:25.9 eS 49.9 Dist. 210 Km Compression from S</p> <p>eP 11:13:51.5 eS 14:12.8 i 14.8 Dist. 180 Km</p> <p>eP 12:13:00.5 eS 23.5 Dist. 200 Km</p> <p>eP 12:18:13 eS 40.5 Dist. about 240 Km</p> <p>eP 14:38:08.7 iS 14.2 Dist. 50 Km</p> <p>eP 14:45:17 eS 22.8 Dist. 50 Km</p> <p>eP 15:12:36 eS 55.5 Dist. about 170 Km</p> <p>eP 15:15:11.3 eS 15.5 Dist. 40 Km</p> <p>30 eP 02:41:30 eS 42:02.1 Dist. about 280 Km</p>		

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PROVISIONAL READINGS AT ANTOFAGASTA

Feb.01 1967	iP e(S) i Compression from NNE	19:33:20.5 25 30.5	Feb.02 1967	eP Local	14:20:05.0	Feb.03 1967	eP i eS Dist. 190 Km	03:27:31.5 31.8 53.8
	eS Local	23:29:26.2		eP eS	15:03:38.8 55.0		eP eS Dist. 180 Km	06:08:37.0 58.0
	iP iS Dist. 340 Km Compression from ENE	23:46:58.2 47:36.2		ePKP e	16:44:09.6 44.6		eP eS Dist. 180 Km	08:18:06.5 10.0
				eP Local Compression from S	19:57:21.7		e(S)	28.6
02	eP i(S) i(S) Two shocks?	04:14:49.5 15:07.9 20.8		eP Local	20:59:24.6		ePKP i e	13:06:58 07:02.2 09:08.0
	eP ePP eS eSS eR Compression from SSE MH 22.1 u; Mag. about 6 Dist. 48°	06:34:11.0 36:26 40:51 44:17 47:46		eP eS Dist. 160 Km Dilatation	21:18:45.7 19:05.2			
			03	eP eS Dist. 460 Km	01:19:02.3 50.5			
				eP eS Dist. 230 Km Compression	02:30:57.2 31:24.1			

J. Frez
Seismologist



INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO

UNIVERSIDAD DE CHILE
Departamento de Geofísica y Geodesia

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*Chile -
April 1967*

1.
Casilla 2777
Santiago, Chile

PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Apr.10 eP 05:21:33.0 1967 Distant shock	Apr.12 eP. 05:31:03.9 1967 Distant shock	Apr.15 eP 19:59:15.6 1967 e(S) 41.5
eP 15:28:11.0 eS 27.5 Dist. about 140 Km	eP 15:39:41.8 iS 40:14.0 Dist. about 300 Km	eP 20:10:03.4 iS 20.7 Dist. 150 Km
eP 16:58:19.9 Distant shock	iP 21:23:00.6 iS 38.0 Dilatation from SSW Dist. about 350 Km Mag. about 4.3 (DGG)	16 eP 01:30:18.4 iS 41.5 Dist. 210 Km
11 eP 00:11:01.8 eS 30.0 Dist. about 260 Km	13 eP 07:45:05.6 iS 25.3 Dist. about 180 Km	eP 04:14:38.3 iS 53.8 Small Dist. about 130 Km
eP 01:23:02.5 eS 41.0 Dist. about 360 Km	eP 15:07:55.3 e(S) 08:47.5	iP 08:48:32.0 iS 40.5 Small Dist. about 60 Km Dilatation
eP 07:40:31.5 iS 42.0 Small Dist. about 80 Km	iP 17:42:58.8 i 43:13.2 eS 54 Compression from NW Dist. about 530 Km	eP 10:29:39 Distant shock
iP 10:23:19.9 eS 37 Dist. about 150 Km	iP 18:48:33.7 iS 48.5 Dilatation from SE Dist. about 130 Km	
eP 10:42:(43) e 53.1 eS 44:39.5 Dist. about 10°	14 iP 05:35:48.9 iS 36:11.2 Dilatation from NE Dist. 200 Km	
eP 11:15:04.8 eS 34.7 Dist. 280 Km	iP 08:46:37.4 iS 48.1 Dilatation from NNE Dist. 90 Km	E. Lorca Seismologist
eP 12:51:55.0 Distant shock	iP 16:19:46.4 iS 56.4 Dilatation Small Dist. 80 Km	
eP 15:33:44.0 eS 34:28.5 Dist. about 420 Km	15 iP 15:57:58.5 iS 58:15.6 Dilatation from WNW Dist. 150 Km	
12 eP 02:10:31.5 e 32.5 eS 11:00 Dist. about 260 Km	iP 17:54:09.8 eS 22.1 i 24.0 Dist. about 100 Km Dilatation from NW	
eP 04:50:04.9 Distant shock		
ePKP 05:11:24.0 i 27.1 epPKP 12:52.0 ePKS 14:57 eSKSP 25:02 eSPP 27:46 eSS 34:09 ePSS 35:32 eSSS 40:01 Dist. about 150° h about 200 Km		

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Apr.11 e(P) 10:42:55.7	Apr.14 iP 05:35:51.9	Apr.15 iP 15:58:00.3
1967 e(S) 44:52	1967 iS 36:17.0	1967 eS 18
	Dist. 230 Km	Dist. about 160 Km
12 iP 21:22:57.4		
Dilatation	iP 08:46:39.4	iP 17:54:12.9
	iS 52.4	e(S) 27.0
13 eP 17:43:02.2	Dilatation	Dilatation
i 17.8	Dist. 110 Km	
e(S) 44:01.5		16 iP 08:48:33.9
	eP 16:19:45.8	iS 44.0
iP 18:48:31.1	eS 54.5	Dist. 80 Km
iS 43.0	Dist. about 70 Km	
Dilatation		
Dist. 100 Km		

E. Lorca
Seismologist

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Apr.09 eP 16:05:20	Apr.12 iP 21:22:33.5
1967 eS 42.5	1967 iS 48
Dist. 195 Km	Dist. 120 Km
	Felt II at Concepción

A. Sickinger
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Mar.17 eP 22:19:46.7	Mar.18 eP 11:17:40.8	Mar.19 ePKP 04:21:04.0
1967 e(S) 20:01.3	1967 eS 18:02.5	1967 ePP 24:11
i 04.2	Dist. 190 Km	ePKS 25:00
		eSKS 28:05
eP 23:29:18.5	iP 16:53:36.8	eSKKS 30:56
e(S) 40.7	eS 43.8	e 33:08
	Dist. 60 Km	eSKSP 34:19
e(P) 23:33:38	Compression from E	eSPP 36:25
eS 34:02.2		eSS 42:30
	19 eP 01:30:14.5	ePSS 43:16
18 eP 04:25:45.8	Distant shock	eSSS 47:55
eS 26:33.0		eG 58:36
Dist. 450 Km	eP 02:15:02.4	eR 05:06:17
	eS 25.2	A 22.5 u; T 20 sec.
eP 04:33:58.5	Dist. 200 Km	Mag. 6.5 DGG
eS 34:19.4		From WNW
i 29.8	eP 04:13:20	Dist. about 141°
Dist. 180 Km	eS 56.3	
	Dist. about 320 Km	eP 05:17:56.7
eP 10:02:19.5		eS 18:27.0
eS 53.7		Dist. about 270 Km
Dist. 310 Km		

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PROVISIONAL READINGS AT ANTOFAGASTA

<p>Mar. 24 1967</p> <p>iP 12:14:36.6 eS 55.5 Dist. 160 km</p> <p>eP 13:12:21.3 eS 58.5 Dist. 330 Km</p> <p>eP 21:46:48.0 eS 47:26.1 Dist. 340 Km</p> <p>eP 22:25:50.4 eS 26:13.7 Dist. 200 Km</p> <p>eP 22:38:13.1 eS 49.8 Dist. 330 Km</p> <p>25 eP 04:17:54.2 eS 18:38.2 Dist. 420 Km</p> <p>eP 05:34:23.8 eS 59.7 Dist. 320 Km</p> <p>e(P) 06:30:37.3 eS 31:00</p> <p>iP 09:44:36.5 iS 43.7 Compression from N Dist. 60 Km</p> <p>iP 12:19:23.8 iS 20:04.4 Compression from ESE Dist. 370 Km</p> <p>eP 18:52:50.5 eS 53:17.5 Dist. 240 Km</p> <p>iP 22:24:30.8 iS 54.0 Compression Dist. 200 Km</p> <p>26 eP 01:38:50.5 e(S) 39:06.5</p> <p>eP 02:42:50.5 Local</p>	<p>Mar. 26 1967</p> <p>eP 02:51:50.5 eS 52:26.7 Dist. 320 Km</p> <p>eP 03:38:25.2 i 25.7 iS 59.5 Dist. 310 Km</p> <p>eP 03:58:40.4 eS 59:00.4 Dist. 170 Km</p> <p>eP 10:01:45.1 iS 58.6 Dist. 110 Km</p> <p>iP 10:24:37.7 eS 25:01.6 Dist. 210 Km Compression</p> <p>eP 10:30:41.2 eS 31:23.2 Dist. 390 Km</p> <p>iP 14:14:57.2 iS 15:33.4 Dilatation Dist. 320 Km</p> <p>iP 14:55:19.1 eS 53.8 Compression Dist. 310 Km</p> <p>eP 15:33:30.0 eS 46.5 Dist. 140 Km</p> <p>iP 17:24:58.2 iS 25:36.0 Compression Dist. 340 Km</p> <p>eP 22:41:58.8 eS 42:13.0 Dist. 110 Km</p> <p>iP 23:14:09.1 eS 28.0 Dist. 160 Km Compression</p> <p>iP 23:49:47.5 iS 50:07.5 Dist. 170 Km Compression</p>	<p>Mar. 27 1967</p> <p>eP 01:15:46.2 eS 16:41.6 Dist. 530 Km</p> <p>eP 07:10:19.3 eS 58.1 Dist. 350 Km</p> <p>iP 08:29:39.7 Compression</p> <p>eP 12:01:57.8 eS 02:44.1 Dist. 440 Km</p> <p>eP 14:24:10.6 eS 22.0 Dist. 100 Km</p> <p>eP 16:48:34.5 iS 58.6 Dist. 210 Km</p> <p>eP 17:30:35.5 iS 58.5 Dist. 200 Km</p> <p>eP 19:54:42.3 eS 59.5 Dist. 140 Km</p> <p>eP 20:58:39.0 iS 55.0 Dist. 130 Km</p> <p>iP 22:18:25.0 e(S) 43.3 Compression</p> <p>iP 22:57:43.1 eS 58.0 Compression Dist. 120 Km</p> <p>28 eP 00:57:14.4 e(S) 40.0</p> <p>eP 03:27:12.3 eS 50.6 Dist. 340 Km</p> <p>eP 06:57:56.6 eS 58:22.5 Dist. 220 Km</p> <p>eP 14:32:22.4 Distant shock</p>
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5.

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PROVISIONAL READINGS AT ANTOFAGASTA

Mar. 28 eP 20:37:23.9
1967 eS 48.1
Dist. 210 Km

29 iP 00:24:18.0
iS 56.5
Dilatation
Dist. 350 Km

Mar. 29 iP 03:32:16.2
1967 eS 53.3
Compression
Dist. 330 Km

No records from March 29
at 13:33 to Apr. 10 at 13:20.
Station out of work.

Y. Franulic
Seismologist

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Apr. 19 64

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Apr.17 eP 00:21:14.8	Apr.19 iP 13:00:41.4	Apr.22 eP 02:59:08.2
1967 eS 29.7	1967 iS 01:03.8	1967 eS 48.0
Dist. 130 Km	Dilatation from NE	Dist. 380 Km
	Dist. 205 Km	
eP 05:14:27.3	eP 22:06:01.4	eP 04:51:00.8
eS 40.0	Distant shock	eS 23.4
Dist. 105 Km		Dist. 205 Km
iP 06:11:59.4	iP 22:16:20.8	eP 08:55:37.4
iS 12:08.4	Dilatation	eS 56:00.8
Compression		Dist. 215 Km
Dist. 70 Km	iP 22:32:45.4	
	iS 33:01.0	eP 11:31:58.3
iP 10:05:07.7	Dilatation	Distant shock
iS 22.5	Dist. 135 Km	
Compression		eP 13:27:21.1
Dist. 130 Km	20 eP 00:20:20.4	Distant shock
	Distant shock	
iP 16:20:02.6	iP 02:55:55.2	eP 14:51:17.0
eS 29.3	iS 56:14.5	Distant shock
Compression	Compression	
Dist. 245 Km	Dist. 175 Km	eP 16:40:50.5
		Distant shock
iP 17:00:35.5	iP 04:25:25.2	eP 17:47:31.0
iS 52.5	Dilatation	Distant shock
Dilatation	Distant shock	
Dist. 150 Km		eP 20:00:57.5
eP 23:06:21.1	eP 17:40:30.2	Distant shock
Distant shock	iS 52.8	
	Dist. 205 Km	23 iP 04:05:32.6
18 eP 04:27:17.4	eP 20:59:28.6	iS 45.6
eS 35.4	Distant shock	Compression
Dist. 160 Km		Dist. 110 Km
eP 07:49:31.4	21 eP 00:46:45.2	
Distant shock	Distant shock	iP 06:21:01.5
		iS 19.4
eP 08:50:43.8	eP 16:48:22.2	Compression
Distant shock	Compression	Dist. 160 Km
	Distant shock	
iP 17:46:57.8	eP 18:15:05.1	eP 13:10:15.4
eS 47:12.7	eS 25.7	Distant shock
Compression	Dist. 185 Km	
Dist. 130 Km		
eP 21:54:59.6	iP 19:53:29.0	
Distant shock	eS 35.6	
	Local	
19 iP 01:17:44.9	Dist. 45 Km	
Dilatation		
eP 03:42:11.2	eP 21:37:11.2	
Distant shock	eS 52.1	
	Dist. 390 Km	
eP 07:19:45.0	eP 23:01:27.4	
Distant shock	Distant shock	C. Gallardo
		Seismologist

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Apr.17 iP	06:12:01.5	Apr.19 iP	13:00:44.6	
1967 iS	12.0	1967 iS	01:09.6	
	Compression		Dilatation	C. Gallardo
	Dist. 90 Km		Dist. 230 Km	Seismologist

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Apr.11 eP	00:24:17.7	Apr.12 ePKP	05:11:35.8	Apr.13 eP	01:27:34.0
1967 e(S)	32.0	1967 ePP	14:20	1967 e(S)	46.8
		ePPS	26:13	i	53.0
ePKP	05:29:14	eSS	32:20		
		eSSS	37.0	eP	08:45:44.0
eP	09:45:37.8	eG	41.0	iS	49.3
e(S)	59.0	eR	47.0		Dist. 40 Km
		Doubtful interpretation			
iP	10:40:54.8	Dist. about 135°			
iS	41:12.6	eP	07:00:20		
Dist. 150 Km		eS	01:20		
Compression from NE		Dist. about 580 Km			
eP	14:03:22.7	eP	09:38:58.5		
eS	34.6	eS	39:21.8		
Dilatation from NE		Dist. 200 Km			
Dist. 100 Km					
12 e(P)	02:10:40.0	eP	13:24:09	Y. Franulic	
Local		eS	35.2	Seismologist	
		Dist. about 230 Km			
eP	04:40:58.8	eP	21:25:58.0		
eS	41:35.2	eS	27:24		
Dist. 320 Km		e(R)	28.0		
		Dist. about 12°			

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO AEREO

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09-67

 Chile
 FEB - APR
 1967

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Mar. 29 1967	iP 04:51:51.5 eS 06.7 Compression Dist. 120 Km	Mar. 31 1967	eP 13:57:44.6 iS 58:18.0 Dist. 315 Km	Apr. 02 1967	iP 07:20:05.0 iS 28.1 Compression Dist. 210 Km
	iP 08:40:55.0 iS 41:04.5 Compression Dist. 75 Km		iP 18:33:41.2 iS 54.0 Compression Dist. 110 Km M 1.1 DGG		eP 12:59:39.6 eS 13:00:23.0 Dist. 415 Km
	eP 16:11:43.0 eS 12:15.0 Dist. 200 Km	Apr. 01 1967	iP 02:53:36.2 iS 49.0 Dist. 110 Km Dilatation		iP 17:56:51.8 iS 57:12.5 Compression Dist. 185 Km M 3,8 DGG
	eP 16:22:29.3 eS 23:07.5 Dist. 360 Km		iP 04:10:06.0 iS 59.3 Compression Dist. 515 Km		iP 18:46:10.5 e 30.0 eS 47:04.9 Compression Dist. 525 Km
30	eP 20:49:30.2 eS 50:02.5 Dist. 305 Km		eP 06:13:54.5 Distant shock	03	eP 05:46:10.5 eS 39.0 Dist. 265 Km
31	eP 04:08:58.5 Distant shock		eP 10:49:04.5 Distant shock		**
	iP 07:09:13.7 iS 38.2 Dilatation Dist. 225 Km	**	eP 13:46:09.2 eS 47:18.0 Dist. 670 Km	01	eP 12:43:09.5 Distant shock
	eP 10:35:21.6 eS 39:54.0 eSS 40:28.0 eR 42:08.0 Dist. 25.2°	02	iP 02:56:26.4 iS 48.7 Dilatation Dist. 205 Km		C. Gallardo Seismologist
	iP 12:32:50.9 eS 33:25.5 Compression Dist. 225 Km		iP 07:03:17.6 iS 29.5 Dilatation Dist. 100 Km		

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Mar. 29 1967	iP 04:51:55.0 iS 52:10.0 Dilatation Dist. 130 Km	Apr. 01 1967	eP 04:10:08.5 eP 06:13:54.0 Distant shock	Apr. 02 1967	eP 07:03:16.6 eS 27.5 Dist. 90 Km
	iP 08:40:57.8 iS 41:08.2 Compression Dist. 85 Km		eP 10:49:04.0 Distant shock		eP 12:59:43.5
31	iP 07:09:17.5 eS 42.5 Dilatation Dist. 230 Km	02	iP 02:56:29.7 iS 54.8 Dilatation Dist. 230 Km		iP 17:56:48.3 iS 57:06.0 Compression Dist. 155 Km
					eP 18:46:14.5
				03	eP 05:46:13.1

 C. Gallardo
 Seismologist

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PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Mar. 22 eP	21:17:05	Mar. 31 e(P)	10:39:25
1967 eS	08	1967	
Dist. 25 Km			

 A. Sickinger
 Seismologist

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Feb. 03 eP	16:17:55.1	Feb. 04 eP	05:43:49.6	Feb. 05 eP	09:19:41.2
1967 eS	18:12.6	1967 i	56.3	1967 eS	20:03.9
Dist. 350 Km		i(S)	44:33.7	Dist. 200 Km	
eP	16:44:07.6	eP	05:58:33.7	eP	10:07:42.9
eS	26.9	Superimposed by precedent shock		eS	08:03.9
Dist. 160 Km		eP	06:02:45.8	Dist. 180 Km	
eP	17:33:16.5	e	49.6	e(P)	13:55:59.5
iS	31.8	e(S)	03:06.3	eS	56:12.6
Dist. 120 Km		i	24.1		
eP	18:47:34.2	eP	06:58:57.1	eP	20:47:43.4
eS	57.0	eS	59:19.2	eS	48:01.7
		Dist. 190 Km		Dist. 150 Km	
eP	20:41:07.8	iP	07:54:49.4	eP	21:57.5
e(S)	29.7	i	52.9	eS	58:20.7
eP	23:00:50.8	iS	55:12.1	06 eP	00:29:57.8
eS	01:20.3	Compression from SW		e(S)	30:08.8
Dist. 190 Km		Dist. 200 Km		i	15.5
iP	23:26:45.1	eP	11:23:48.0	eP	01:59:45.7
iS	27:27.3	e	52.4	i	46.0
Compression from NE		eS	24:16.0	iS	02:00:25.2
Dist. 390 Km		i	18.2	Dist. 360 Km	
		Dist. 250 Km		eP	02:15:58.4
eP	23:51:34.4	eP	12:18:55	eS	16:10.2
eS	52:01.6	eS	19:28.3	Dist. 100 Km	
Dist. 240 Km		Dist. 200 Km			
04 eP	01:06:08.4	e(P)	15:23:05	e(P)	02:27:29.6
eS	27.9	eS	32.8	eS	52.1
Dist. 170 Km					
eP	01:09:05	eP	17:43:19.2	eP	02:31:22.1
e(S)	24.9	eS	41.4	eS	58.9
		i	48.7	Dist. 330 Km	
iP	04:20:32.9	Dist. 190 Km		eP	04:41:18.2
iS	47.8	eS	21:54:30.3	eS	25.5
				i	28.0
eP	04:34:12.2			Dist. 70 Km	
eS	22.5	05 eP	03:33:18.4	eP	05:58:07.1
Dist. 90 Km		eS	41.8	eS	43.8
		Dist. 200 Km		Compression	
eP	04:48:37	eP	04:09:44.8	Dist. 330 Km	
eS	57.8	e(S)	10:25.0		
Dist. about 180 Km					

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Feb.06 eP 06:12:58.8	Feb.07 eP 01:05:01.4	Feb.08 e(P) 08:24:51.6
1967 eS 13:46.0	1967 eS 37.9	1967 eS 25:16.1
Dist. 450 Km	Dist. 320 Km	
Dilatation		eP 11:54:06
eP 08:13:38.1	eP 02:51:50.6	eS 13.9
eS 14:14.8	eS 52:11.2	Dist. about 70 Km
Dist. 330 Km	Dist. 190 Km	
eP 10:11:51.2	eS 05:06:22.9	eP 12:16:54.3
eS 12:37.4		iS 17:12.4
Dist. 440 Km	eP 05:44:06.3	Dist. 150 Km
	eS 58.5	
iP 10:19:46.7	Dist. 500 Km	e(P) 12:19:52.7
eS 20:21.5		e 20:14.9
i 28.2	eP 08:48:23.3	i(S) 35.0
Compression from ENE	i 23.8	
Dist. 310 Km	e 58.6	eP 13:43:24.5
		e(S) 44:15.7
eP 12:03:43.5	eP 12:22:35.2	i 31.3
eS 04:02.7	eS 56.9	
Dist. 160 Km	Dist. 190 Km	eP 14:23:58.0
		eS 24:20.5
eP 14:09:00.3	eP 13:33:35.0	i 27.6
eS 10:30.5		Dist. 200 Km
Dist. 580 Km	eP 16:37:39.8	eP 15:20:26.2
e(P) 14:25:54	i 41.4	eS 40.0
eS 26:17.3	eS 38:02.9	Dist. 110 Km
	i 09.2	
eP 15:05:36.0	Compression	eP 15:45:00.1
eS 06:15.1	Dist. 200 Km	ePPP 48:03
Dist. 350 Km		eS 52:28
eP 17:14:10.0	eP 17:35:27.6	eSS 56:02
eS 20.2	eS 32.4	eG 57:16
Dist. 90 Km	Dist. 40 Km	eR 16:16.0
		Dist. about 51°
eP 18:34:35.8	eP 23:21:35.9	iP 17:20:21.8
eS 58.6	eS 51.3	e(S) 43,3
Dist. 200 Km	Dist. 120 Km	i 21:00.8
		Compression from ESE
eS 18:40:05.1	eP* 23:44:49.8	iP 18:26:18.5
	eS 45:04.4	iS 31.9
eP 19:14:06	Dist. 120 Km	Dilatation from SSW
eS 24.8	08 e(P) 02:46:37.4	
Dist. 160 Km	eS 47:00.6	eP 22:28:23.3
		eS 42.5
eP 20:02:21.2	eP 03:39:21.1	Dist. 160 Km
eS 39.1	eS 40.9	
Dist. 150 Km	Dist. 170 Km	iP 22:34:31.9
		i(S) 46.5
eP 20:29:46.9	eP 06:55:21.5	Compression from SW
eS 54.6	eS 49.2	Dist. 120 Km
Dist. 70 Km	Dist. 250 Km	
		eP 22:51:32.2
	eP 07:30:08.5	e(S) 55.3
	eS 29.7	
	Dist. 180 Km	e(P) 23:52:34
		eS 54:38.3

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Feb.09 1967	iP iS Dist. 220 Km Compression from NE	01:59:32.6 57.8	Feb.10 1967	eP e(S) Dist. 130 Km	03:06:57.1 07:50.7	Feb.11 1967	eP eS Dist. 200 Km	00:12:55.3 13:18.0
	eP eS Dist. 280 Km	06:16:08.0 37.0		eP eS Dist. 820 Km	03:11:23.1 39.4		iP iS Compression from ENE Dist. 310 Km	01:02:38.1 03:13.0
	eP e(S) Dist. 270 Km	06:32.8 33:29		eP eS Dist. 180 Km	07:08:31.5 09:55.5		eP eS Dist. 120 Km	05:04:49.6 05:04.9
	eP eS Dist. 210 Km	06:48:55.1 49:25.3		eP eS i Dist. 150 Km.	07:53:02.5 23.0 29.7		eP e(S) i Dist. 160 Km	06:39:45.7 40:03.3 14.3
	e(P) eS Dist. about 28° Compression	10:49:39.9 50:45.2		eP eS i Dist. 240 Km	10:42:51.1 43:09.1 22.1		eP eS i Dist. 200 Km	15:31:34.6 54.0
	e(P) eS Dist. 190 Km	12:32:22.9 46.9		eP eS Dist. 350 Km	12:19:27.5 54.0		eP eS i Dist. 70 Km Compression	19:42:12.4 34.9 42.0
	eP eS i Dist. 180 Km	15:30:24.0 35:16.0 37:22		eP eS Dist. 230 Km	14:44:23.2 26.6 46.2 52,8		iP iS Dilatation from N Dist. 160 Km	19:48:33.7 53.0
	eP eS Dist. 60 Km	17:26:36.2 27:37.7		eP eS Dist. 540 Km	17:00:50.1 01:10.9	12	iP eS Dist. 220 Km	01:16:20.1 28.3
	e(P) e Dist. 140 Km	18:28:02.2 23.9		eP eS Dist. 260 Km	18:41:33.3 42:11.8		eP eS Dist. 450 Km	03:54:13.1 49.4
	eP eS Dist. about 220 Km	18:53:55.5 54:16.9 23.2		eP eS Dist. 160 Km	19:09:53 10:51.2		eP eS Dist. 160 Km	04:00:20.1 44.8
	eP eS Dist. 100 Km	19:35:02.2 08.7		eP eS Dist. 190 Km	19:34:20.7 46.8		eP eS Dist. 160 Km	10:23:34.8 24:01.2
10	eP Local	21:21:03.0 14.6		eP eS Dist. 260 Km	21:07:17 38.7		eP eS Dist. 160 Km	10:55:59.6 56:47.0
	eP eS Dist. about 220 Km	23:54:24.3 41.1		eP eS Dist. 260 Km	21:16:15.8 17:12.0		eP eS Dist. 160 Km	13:03:00.6 19.2
	eP eS Dist. about 220 Km	23:57:43.7 58:08.3	11	eP eS Dist. 260 Km	00:02:29.3 57.8			

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PROVISIONAL READINGS AT ANTOFAGASTA

Feb.12 1967	iP 14:08:45.2 iS 09:06.8 Dist. 190 Km Dilatation from NNW	Feb.13 1967	eP 15:01:01.8 eS 46.2 Dist. 420 Km	Feb.15 1967	iP 04:56:25.0 iS 57:05.2 Compression from SE Dist. 360 Km
	eP 15:17:19.7 eS 33.6 Dist. 110 Km		eP 15:04:25.5 eS 57.7 Dist. 190 Km		eP 05:09:38.4 eS 10:02.4 Dist. 210 Km
	eP 18:34:43.4 eS 35:05.5 Dist. 190 Km		eP 20:52:45.9 eS 59.0 Dist. 110 Km		iP 07:34:15.0 iS 38.4 Compression from SSW Dist. 200 Km
	e(P) 18:59:15.1 eS 34.6		eP 20:58:39.2 iS 59:40.7 Compression Dist. 600 Km		eP 14:31:13.1 eS 53.2 Compression from NE Dist. 360 Km
	eP 19:02:45.1 eS 58.7 Dist. 100 Km		e(P) 22:26:52 eS 27:50.9		eP 15:53:23.2 eS 44.0 Dist. 180 Km
	eP 19:33:12.8 e(S) 26.8		eP 23:26:47.3 ePP 30:05 ePPP 32:02 eS 37:08 esS 36 eSP 38.0 eSS 42:26 eSSS 46:02 eG 49:12 eR 53:13 Dist. about 85°		iP 16:14:16.2 iS 16:47.5 eScP 21:25.3 ePcS 22:24.5 eScS 25:04.1 Depth about 600 Km Dist. 15°
	eP 21:00:00.7 eS 18.2 i 21.4 Dist. 150 Km		14 ePKP 01:56:07.9		e(P) 19:33:46.5 eS 34:07.5
	eP 21:11:57.2 eS 12:20.4 Dist. 200 Km		eP 04:02:41.9 eS 03:03.3 Dist. 180 Km		e(P) 21:01:47.4 eS 02:03.9
	eP 21:55:55.8 eS 56:20.9 Dist. 220 Km		e(P) 05:56:23.3 eS 57:14.0		e(P) 21:35:07.9 eS 21.2 i 33.4
13	e(P) 00:38:52 eS 39:13.8		eP 08:14:54.3 e 57.5 eS 15:16.0 i 22.1 Dist. 190 Km		eP 22:05:21.7 e(S) 44.7
	eP 03:27:26.4 eS 28:04.9 Dist. 350 Km		eP 11:44:41.7 eS 45:04.9 Dist. 200 Km		eP 23:01:34 eS 54.4 Dist. about 170 Km
	e(P) 05:22:14.8 Distant shock		eP 16:33:31.5 eS 34:00.3 Dist. 260 Km	16	iP 07:10:10.3 eS 48.4 Compression from NE Dist. 340 Km
	e(P) 05:50:39 eS 57.8		eP 22:13:52.1 eS 14:27.0 Dist. 310 Km		eP 08:39:56.0 eS 40:36.6 Dilatation Dist. 360 Km
	iP 07:39:23.2 iS 58.1 Dist. 310 Km Compression from ESE		e(P) 23:22:36.2 eS 23:04.4		e(P) 10:20:11 eS 32.7
	eP 10:30:06.4 Near shock				
	eP 13:49:05.0 iS 31.5 Compression Dist. 240 Km				

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Feb.16 eP 12:23:25.4	Feb.17 eP 15:26:45.5	Feb.18 eP 11:35:44.9
1967 i 25.6	1967 eS 27:13.0	1967 e(S) 37:13.0
eS 24:12.5	Dist. 250 Km	i 38.7
i 13.2	eP 16:04:05.5	eP 12:13:06.0
From NE	eS 44.5	eS 22.4
Dist. 450 Km	Dist. 350 Km	Dist. 130 Km
eP 12:35:17.9	eP 16:30:11.5	eP 14:14:10.3
e(S) 36.1	eS 31.2	eS 19.2
eP 13:03:54	Dist. 170 Km	Dist. 80 Km
eS 04:24.2	eP 18:53:08.3	iP 20:23:06.7
About 270 Km	eS 34.9	eS 58.6
eP 13:09:55.3	Dist. 240 Km	i 58.9
eS 10:19.5	eP 19:04:04.6	Dist. 500 Km
Dist. 210 Km	eS 47.8	iP 22:42:43.0
eP 15:01:27.2	Dist. 410 Km	eS 43:21.8
eS 56.5	eP 19:51:12.3	Dist. 350 Km
Dist. 260 Km	eS 53.4	Compression
eP 21:32:25.8	Dist. 370 Km	19 eP 01:16:12.8
eS 45.9	eP 20:36:29.4	eS 34.0
Dist. 170 Km	eS 43.1	Dist. 180 Km
e(P) 23:41:35.7	Dist. 120 Km	eP 02:36:37.9
e(S) 59.8	iP 21:14:42.6	eS 42.6
17 eP 00:02:52	eS 15:14.3	Dist. 40 Km
eS 03:09.7	i 17.4	eP 06:55:34.5
Dist. about 150 Km	Compression	eS 58.1
eP 01:21:10.4	Dist. 290 Km	Dist. 210 Km
e(S) 22:41.2	eP 22:08:57	eP 07:11:42.0
eP 01:27:10.0	e(S) 09:20.5	eS 53.5
eS 46.4	eP 22:33:00.8	Dist. 100 Km
Dist. 320 Km	e(S) 16.9	e(P) 07:55:28
iP 07:58:51.9	e 25.0	eS 43.3
iS 59:11.8	18 e(P) 02:12:00	eP 18:54:17.8
Dist. 170 Km	Distant shock	eS 44.9
Dilatation from SSW	eP 06:00:21.4	Dist. 240 Km
eP 10:24:06.6	eS 01:15.8	iP 19:50:15.9
epP 12	i 18.9	iS 39.1
ePP 27:54	Dilatation from SSE	Compression from SSW
e 34:07	Dist. 520 Km	Dist. 200 Km
esSKS 52	eP 07:45:18.6	eP 20:33:41.6
eS 35:08	eS 46:00.7	eS 34:05.3
ePS 36:30	Dist. 400 Km	Dist. 210 Km
eSPP 37:20	Compression	eP 20:43:41.4
eSS 41:38	e(P) 10:02:48.7	eS 44:19.0
eG 49:31	e(S) 04:41.0	Dist. 340 Km
eR 53:40		
Dist. about 95°		

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Feb.19 1967	iP e(S) i Dilatation from E	21:10:43.5 12:05.1 06.4	Feb.21 1967	eP Distant shock	04:24:14.1	Feb.22 1967	iP eS i Compression from E	04:00:44.8 01:20.9 22.7
	ePKP e	22:34:32.0 32.9		eP eS Dist. 150 Km	05:59:33.8 51.9		Dist. 320 Km	
	eP eS Dist. 320 Km	23:09:07.9 43.5		eP eS Dist. 90 Km	06:59:21.1 30.9		eP eS Dist. 120 Km	06:07:53.1 08:07.9
	eP e Distant shock	23:48:12.2 17.4		iP iS Dilatation from SSW Dist. 170 Km	07:28:35.7 56.1		eP eS Dist. 190 Km	11:55:12.1 33.6
20	iP iS Dilatation from N Dist. 40 Km	03:08:27.1 32.5		iP eS Dist. 160 Km	08:07:39.0 57.5		e(P) e(S)	12:22:11.7 51.4
	eP i eS Dist. 320 Km	03:12:19.5 19.9 55.8		e(P) eS	10:42:03 43:14.5		eP i iS Dist. 140 Km	12:44:48.9 55.4 45:06.3
	eP e(S)	05:13:12.2 43.2		e(P) eS	12:42:58.6 43:32.6		e(P) eS	14:50:56.0 51:33.3
	eP e(S)	05:15:42 16:23.9		eP eS i Dist. 170 Km	13:48:55.6 49:15.8 23.3		eP eS Dist. 170 Km	16:43:58.0 44:17.5
	ePKP	15:38:26.5		eP eS i Dist. 220 Km	14:56:48.3 57:13.4 14.4		e(P) eS	18:01:03.1 23.6
	eP eS Dist. 180 Km	15:52:33.2 54.2		eP eS Dist. 110 Km	15:50:59.0 51:13.0		eP eS Dist. 190 Km	20:24:34.7 56.7
	eP eS Dist. 320 Km	16:16:48.2 17:24.5		eP eS Dist. 330 Km	16:47:11.0 47.5		eP eS Dist. 160 Km	21:46:06.7 25.4
	e(P) eS	20:18:14.0 35.9		eP eS Dist. 60 Km	22:13:01.7 08.4		e(P) eS	22:56:26 57.2
	e(P) e(S) e	23:37:30.0 38:31.9 43.3	22	eP eS i Dist. 300 Km	02:56:26.6 57:00.8 05.4	23	eP eS Dist. 180 Km	03:16:45.8 17:06.8
21	eP eS Dist. 210 Km	02:13:36.7 14:00.3		eP eS i Dist. 170 Km	03:56:45.5		eP eS Dist. 170 Km	06:47:01.9 21.9
	eP e(S) i	02:31:36.8 58.3 32:05.8		e(P) eS			e(P) eS	07:17:29.9 52.0
							e(P) eS	10:29:10.0 34.2

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Feb. 23 1967	e(P) eS	11:58:11.0 30.5	Feb. 25 1967	eP e eS i	04:25:06.1 09.8 26.8 33.2	Feb. 26 1967	eP eS	01:43:21.4 42.5	
	iP iS	12:06:47.7 07:22.7		Dist. 180 Km			Dist. 180 Km	e	04:17:36.1
		Dist. 310 Km Compression from ESE		eP i eS	05:10:01.8 02.0 39.3		e(P) eS	06:55:37 56:34	
	e(P) eS	14:09:31.5 11:03.8		Dist. 340 Km			eP e	07:14:27.5 31.3	
	e(P) i(S) eS i	16:30:15.6 18.8 37.2 43.4		eP eS	07:28:57.5 29:14.8		e(S) i	49.0 56.9	
	Two shocks			Dist. 240 Km			eP eS	08:58:49.4 59:26.1	
	ePKP	19:01:40.3		e(P) eS	07:41:11.3 51.6		Dist. 330 Km		
24	eP eS	00:32:16.5 36.2		e(P) eS	09:10:12.1 45.0		eP eS	10:55:00.4 16.3	
		Dist. 170 Km		e(P) e e(S)	11:19:00.9 07.1 20:01.4		Dist. 130 Km	eP eS	12:57:12.9 33.2
	eP eS	06:39:37 41:00.5		Dist. 130 Km			Dist. 170 Km		
		Dist. about 820 Km		eP eS	11:29:58.4 30:14.0		eP eS	19:12:29.1 39.1	
	eP eS	07:09:11.8 33.8		Dist. 130 Km			Dist. 90 Km		
		Dist. 190 Km		eP	11:40:39.9		e(P) eS	19:16:00.6 11.9	
	eP eS	13:54:27.5 55:04.5		Distant shock			eP eS	20:00:20 48.3	
		Dist. 330 Km		eP eS	11:58:39.9 26.1		Dist. about 250 Km		
	iP iS	14:30:35.8 56.7		Dist. 170 Km					
		Compression from S Dist. 180 Km		eP eS	17:19:37.3 20:17.7		27	eP eS i	01:59:09.9 35.4 38.5
	eP eS	14:58:20.2 38.4		Dist. 370 Km			Dist. 230 Km		
		Dist. 150 Km		e(P) e(S)	17:33:08 34:03.6		eP	02:12:19.7	
	eP eS	16:44:45.1 45:09.7					Near shock		
		Dist. 220 Km		eP eS	19:53:29.0 35.3		eP	02:33:14.5	
	eP eS	20:03:11.9 51.9		Dist. 60 Km			Near shock		
		Dist. 360 Km		eS	20:49:25.1		eP eS	02:40:22.0 30.9	
25	iP iS	00:11:43.0 59.7					Dist. 80 Km		
		Dist. 140 Km Compression from ENE		eP e(S)	21:09:15 52.7		eP eS	03:41:18.5 35.3	
	eP eS	01:19:00.8 39.9		Dist. 140 Km			Dist. 140 Km		
		Dist. 350 Km		e(S)	21:40:22.5		eP eS	06:33:42.3 56.9	
				Local			Dist. 120 Km		

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Feb.27	iP	06:43:27.8	Feb.28	e(P)	19:18:02	Mar.02	eP	03:32:53.7
1967	iS	44:07.8	1967	eS	21.1	1967	eS	33:16.4
		Dist. 360 Km						Dist. 200 Km
		Compression from ESE		e(P)	20:54:44.2		eP	07:45:39.4
	e(P)	11:01:58		eS	55:17.4		e(S)	57.6
	e(S)	02:49.9		iP	20:55:28.0		eP	09:37:02
	e(P)	18:16:40		iS	53.2		eS	32.6
	e	45.1		Compression from SE				Dist. about 280 Km
	eS	56.3		Dist. 120 Km			eP	10:23:56
	eP	21:06:58.9		iP	21:43:49.2		e(S)	24:24.2
	eS	07:24.3		iS	44:12.9			
	Dist. 220 Km			Dilatation from S				
	eP	22:16:36.6		Dist. 210 Km				
	eS	17:00.1		eP	22:48:01.7			
	Dist. 210 Km			eS	26.5			
				Dist. 220 Km				
28	eP	02:00:56.0		eP	23:30:38.8			
	eS	01:17.2		eS	31:13.0			
	Dist. 180 Km			Dist. 300 Km				
	eP	02:56:56.1	Mar.01	eP	01:11:00.8			
	eS	57:13.4	1967	iS	08.1			
	Dilatation from S			Dist. 70 Km				
	Dist. 140 Km			eP	01:43:10.1			
	e(P)	08:43:10		iS	15.3			
	eS	33.3		Dist. 50 Km				
	ePKP	09:57:12.1		eP	07:34:53.4			
	eSS	10:21:24		eS	35:12.4			
	e(R)	46.0		Dist. 160 Km				
	eP	11:54:28.9		eP	12:05:45			
	eS	51.1		eS	06:09.5			
	Dist. 190 Km			Dist. about 220 Km				
	eP	12:05:47.4		eP	12:38:20.3			
	eS	06:13.6		eS	40.6			
	Dist. 230 Km			Dist. 170 Km				
	eP	14:00:02.0		eP	14:44:22.0			
	eS	27.2		Distant shock				
	Dist. 220 Km			e(P)	20:34:17.5			
	eP	16:22:44.6		eS	44.2			
	eS	23:19.5						
	Dist. 310 Km		02	eP	01:27:08.2			
	eP	17:44:03.5		eS	14.7			
	eS	23.3		Dist. 60 Km				
	Dist. 170 Km			iP	02:52:44.7			
	eP	17:58:56.1		eS	57:02			
	Local			eSS	57			
				e(R)	59:18			

Y. Franulic
SEISMOLOGIST

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Chile
MAR-APR '67
SAN ANTOFAGASTA

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Apr.03 1967	iP 19:21:25.8 iS 37.6 Dilatation Dist. 100 Km	Apr.05 1967	eP 18:15:56.0 Distant shock eP 18:40:18.9 eS 41:15.0 Dist. 520 Km eP 23:45:43.5 Distant shock	Apr.08 1967	iP 15:49:29.5 iS 50.0 Dist. 185 Km 09 iP 01:16:26.4 iS 41.2 Dilatation Dist. about 130 Km eP 09:51:40.4 eS 52:04.0 Dist. about 220 Km eP 10:10:55.4 e 56.9 eS 11:23.0 Dist. about 250 Km eP 11:53:44.2 eS 54:14.5 Dist. about 280 Km eP 16:05:44.1 i 52.2 iS 06:38.0 Dist. about 520 Km eP 19:49:29.0 e(S) 50:06 eP 20:04:24.5 iS 41.6 Dist. 150 Km eP 23:19:18.4 eS 45.8 Dist. about 250 Km
04	eP 07:37:00.8 Distant shock eP 12:42:30.0 eS 44.5 Dist. 125 Km iP 12:49:29.3 iS 39.4 Compression from NW Dist. 80 Km eP 17:38:08.8 eS 23.5 Dist. 125 Km iP 19:19:51.6 iS 20:05.3 Compression Dist. 115 Km	06	eP 01:55:46.6 e 49.6 Distant shock iP 02:13:45.3 eS 14:03 iP 02:45:09.4 e 18.3 iS 31.4 Dilatation from SE Dist. 200 Km eP 11:48:30.2 iS 47.5 Dist. about 150 Km eP 12:41:31.6 Distant shock eP 14:33:50.4 iS 34:03.3 Dist. about 110 Km eP 18:34:03.3 Distant shock		
05	iP 00:23:21.7 iS 46.0 Dist. 225 Km Compression eP 02:53:41.4 Distant shock iP 03:07:26.5 Distant shock Dilatation eP 07:20:16.5 e(S) 21:13.0 eP 17:01:31.6 Distant shock	08	eP 09:33:(02) e(S) 34:53		

E. Lorca
Seismologist

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Apr.05 1967	eP 02:53:42.3 Distant shock eP 07:20:21.0 eP 23:45:42.4	Apr.06 1967	eP 02:45:07.6 e 15 eS 28.7 Dist. 180 Km eP 12:41:31.3 Distant shock	Apr.09 1967	eP 10:10:53.0 eS 11:16.0 Dist. 210 Km eP 16:05:41.1 i 48.8 iS 06:33.0 Dist. about 500 Km e(P) 20:04:19.0 i 30.5 iS 39.9
06	eP 01:55:48 Distant shock	07	eP 02:10:49.3 e(S) 11:11		

E. Lorca
Seismologist

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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Mar.02 e(P) 16:23:00.2	Mar.04 eP. 08:33:56.5	Mar.05 eP 13:25:09.0
1967 e(S) 24:02	1967 e(S) 34:17.9	1967 eS 29.8
		Dist. 180 Km
eP 18:12:37.3	eP 08:43:49.8	eP 21:28:57
i 39.8	i 53.1	e(S) 29:01.8
eS 57.8	iS 44:21.6	
i 13:03.5	Compression from SW	
Compression from S	Dist. 280 Km	06 eP 02:36:09
Dist. 180 Km		eS 33.2
	iP 09:14:17.6	Dist. about 210 Km
eP 18:39:49.1	Superimposed by precedent	
eS 40:25.6	shock	eP 06:18:12.3
Dist. 330 Km		eS 18.3
	iP 09:40:51.3	Dist. 50 Km
eP 21:26:33.7	iS 41:15.8	
e 27:18.2	Dist. 220 Km	eP 06:50:36.9
Dist. 420 Km	Compression from SW	eS 51:01.1
		Dist. 210 Km
iP 21:42:31.3	eP 10:47:19.8	eP 07:34:27.7
e(S) 38.8	eS 48:00.1	eS 34.6
Dilatation from SE	Dist. 360 Km	Dist. 60 Km
03 eP 00:50:34.4	eP 16:35:26.4	eP 13:58:36.5
eS 55.4	e(S) 40.5	eS 41.3
Dist. 180 Km	e 43.7	Dist. 40 Km
	eP 16:37:59.3	eP 15:02:33.5
eP 02:30:38.7	eS 38:35.6	eS 03:12.7
i 39.7	Dist. 320 Km	Dist. 350 Km
iS 31:06.0	eP 17:05:00.7	eP 20:08:00
Dist. 240 Km	eS 12.8	eS 21.1
From NE	Dist. 100 Km	Dist. about 180 Km
eP 04:02:19.7	eP 19:24:33.8	
eS 55.4	e(S) 25:04.8	07 e(P) 08:08:20
Dist. 320 Km		eS 09:44.4
eP 05:43:46.7	eP 20:36:22.9	e(P) 09:58:17
eS 44:19.6	eS 28.6	e 24.0
Dist. 290 Km	Dist. 50 Km	eS 38.2
e(P) 07:01:00.3	eP 22:26:51.5	eP 11:39:22
eS 24.8	eS 27:31.3	eS 59.5
eP 09:57:38.8	Dist. 360 Km	Dist. about 340 Km
eS 58:27.6	05 eP 01:31:10.7	eP 12:38.5
Dist. 470 Km	eS 38.7	eS 38:53.1
e(P) 16:23:57.7	Dist. 250 Km	
eS 24:20.8	eP 06:27:06.4	iP 13:53:08.5
eP 21:33:55.8	eS 42.3	iS 29.3
eS 34:01.4	Dist. 320 Km	Dilatation from SSW
Dist. 50 Km	e(P) 07:12:41	Dist. 180 Km
eP 23:22:26.6	e 45.8	eP 15:30:26.8
eS 32.4	e(S) 13:15.3	eS 31:17.5
Dist. 50 Km		i 18.0
		Dist. 490 Km

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Mar.07 1967	eP eS Dist. 350 Km	23:39:50.5 40:29.4	Mar.09 1967	eP eS Dist. 270 Km	10:36:41.5 37:11.3	Mar.11 1967	eP e eS Dist. about 240 Km	04:19:28 32.2 55.0
08	eP eS Dist. 490 Km	03:11:50.8 12:35.3		iP iS Dist. 370 Km	11:44:12.0 52.8		eP e eS Dist. 190 Km.	05:19:30.7 35.0 53.0
	eP eS Dist. 310 Km	08:57:11.9 47.3		e(P) e	11:52:11 16.5		eP e(S)	06:35:42 36:05.8
	iP iS Dilatation from NW Dist. 260 Km	11:12:23.3 51.8		iP iS Compression from N Dist. 90 Km	14:59:29.4 38.9		eP eS Dist. 240 Km	06:43:58.2 44:24.8
	e(P) e e(S)	11:24:04 08.5 31.5		eP i	19:58:25.9 26.4		iP eS i Compression from S Dist. 210 Km	08:42:27.3 50.9 57.5
	e(P) eS	16:53:29 44.0	10	eP e(S)	01:50:10.6 35.6		e(P) eS	09:05:02.0 44.2
	e(P) e eS	17:32:38 43.7 33:13.5		eP e eS Dist. 140 Km	02:37:53 59.6 38:10.3		e(P) eS	09:08:51 09:23.5
	iP iS Compression from NE Dist. 330 Km	21:04:25.1 05:02.1		eP eS Dist. 140 Km	07:43:57.8 44:14.4		e(P) eS	10:06:41.4 07:15.5
09	eP eS Dist. 160 Km	00:47:09.4 28.2		e(P) e(S)	10:31:57.0 32:31.7		eP e eS Dist. 260 Km	10:39:31.5 34.7 40:00.5
	eP eS Dist. 150 Km	00:50:48.2 51:05.8		eP eS Dist. 280 Km	12:58:02.2 32.8		eP e eS Dist. 370 Km	11:28:51.5 52.2 29:32.5
	e(P) eS	00:55:56.4 56:14.0		eP e eS Dist. 170 Km	13:04:14.8 18.8 34.7		e(P) eS Dist. 350 Km	11:37:53.5 38:32.2
	eP eS Dist. 340 Km	02:03:06.0 43.7		eP eS Dist. 130 Km	21:36:30 46.3		eP i iS Dilatation from NE Dist. 110 Km	13:49:35.5 35.7 48.2
	eP eS Dist. 190 Km	07:40:50.9 41:13.2	11	eP eS Dist. about 220 Km	00:46:11 36.2		eP eS eSS eG eR	14:53:48.4 15:00:55 04:02 05:04 08:49
	eP eS Dist. 250 Km	08:06:45.7 07:13.9		eP eS Dist. 320 Km	01:32:42.0 33:18.0		A 1.6 u T 1.5 sec. Dist. about 49°	
	eP eS Dist. 230 Km	09:29:07.9 33.9		e(P) e(S)	02:31:54 32:24.5			

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PROVISIONAL READINGS AT ANTOFAGASTA

Mar.11 1967	e(P) e eS i	18:07:12.0 16 28.2 41.2	Mar.13 1967	iP iS Dist.	20:08:39.9 53.0 110 Km	Mar.15 1967	eP eS Dist.	09:20:45.7 21:15.0 260 Km	
	eP eS Dist.	19:23:01.8 28.4 240 Km		eP eS Dist.	20:31:37.4 32:30.8 510 Km		eP eS Dist.	11:35:39.2 13:05:53.0 06:17.2 210 Km	
	eP eS Dist.	23:55:34.7 42.8 70 Km		eP eS Dist.	21:05:22.0 48.8 240 Km		eP i iS Dist.	14:21:45.4 49.3 22:11.6 230 Km	
12	e(P) eS	01:15:01.5 19.8		eP eS Dist.	22:11:06.3 12:07.7 590 Km		16	eP eS Dist.	02:19:38.7 20:18.5 360 Km
	e(P) eS	09:33:27 46.7	14	e(P) e(S)	03:03:32 04:38.2			eP e(S) i	03:27:42.5 28:05.0 09.5
	eP iS Dist.	10:50:56.7 52:10 about 610 Km Compression from SW		eP eS Dist.	09:05:05.2 19.3 120 Km			eP eS Dist.	12:19:10.5 26.2 130 Km
	iP eS Dist.	18:57:18.7 39 170 Km Compression from SE		eP eS Dist.	17:37:57.4 38:20.2 200 Km			eP e(S)	13:27:03.7 39.7
	e(P) eS	23:45:36.5 46:01.4		eP eS Dist.	17:54:17.7 55:41.5 210 Km			iP iS Dist.	15:17:55.9 18:42.0 Dilatation from ENE 440 Km
13	iP eS Dist.	03:08:32.5 58 about 230 Km Compression from E		iP eS Dist.	23:55:06.4 13.7 70 Km			e(P) e(S)	19:00:21 02:20.5
	e(P) iP eS i Dist.	03:31:33.7 07:14:21.0 15:06.6 09.5 Dilatation from NW 440 Km	15	eP e(S) eP eS Dist.	00:39:14.2 29.7 02:00:49.2 01:08.5 160 Km			eP e(S)	19:21:28 31.2 51.3 58.0
	eP eS Dist.	08:10:54.2 11:34.5 360 Km Compression		e(P) e(S) eP eS Dist.	02:05:42 06:08.3 05:12:11.2 51.2 360 Km			eP e(S)	19:55:37.6 56:28.0
	e(P) eS Dist.	09:13:29.3 14:25.0		eP eS Dist.	06:13:27.0 45.2 150 Km			e(P) eS Dist.	20:19:35.2 20:14.6 21:18:07.8 46.7 350 Km
	eP e(S) e	15:54:55.2 55:17.1 24.5						eP eS Dist.	23:14:55.3 15:32.2 330 Km
	eP eS Dist.	16:10:46.2 13:50 about 17°					17	eP eS Dist.	00:54:05.2 45.0 360 Km

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PROVISIONAL READINGS AT ANTOFAGASTA

Mar.17 e(P) 00:56:02.2
1967 eS 08.0

eP 00:59:30.7
eS 50.7
Dist. 170 Km

eP 01:28:50.5
i 50.7
eS 29:21.7
i 25.4
Dist. 280 Km

eP 02:14:15
eS 27.5
Dist. 110 Km

e(P) 03:31:51
e 56.0
eS 32:14.6

eP 06:32:54
eS 33:35.4
Dist. about 380 Km

eP 10:28:52.7
Local

iP 11:18:14.5
eS 50.7
i 56.5
Compression from NE
Dist. 320 Km

iSP 11:57:18
eSS 12:04:00
e 07:40
eG 17:20
eR 27.0
Doubtful interpretation

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND



IMPRESO ORDINARIO

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Chile
Apr. 1967

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Santiago, Chile

PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Apr. 24 1967	eP 22:50:07.4 eS 37.2 Dist. 280 Km	Apr. 26 1967	eP 02:56:07.5 eS 25.5 Dist. 160 Km	Apr. 27 1967	iP 00:44:11.6 Compression Distant shock
25	eP 01:53:16.0 Distant shock		eP 05:45:14.0 eS 30.5 Dist. 145 Km		eP 01:10:38.0 Distant shock
	iP 10:36:38.0 iS 54.5 Dilatation from NE Dist. 145 Km		eP 06:56:12.5 eS 39.4 Dist. 250 Km		eP 01:17:03.2 eS 19.0 Dist. 140 Km
	iP 11:26:23.7 iS 42.2 Dilatation Dist. 165 Km		iP 07:06:50.0 iS 58.0 Compression Dist. 60 Km		iP 03:12:01.0 iS 15.9 Dilatation Dist. 130 Km
	iP 16:13:59.4 iS 14:02.8 Compression Local		eP 07:39:54.0 eS 40:28.5 Dist. 325 Km		eP 04:20:16.7 eS 21:19.0 Dist. 605
	iP 17:27:51.6 eS 28:09.2 Dilatation Dist. 155 Km		eP 08:25:30.4 eS 48.9 Dist. 165 Km		eP 06:10:49.8 eS 11:44.9 Dist. 530 Km
	eP 19:40:50.5 Distant shock		iP 08:53:08.1 iS 31.5 Dilatation Dist. 215 Km	28	eP 04:14:56.4 eS 15:15.5 Dist. 170 Km
	eP 19:46:25.5 iS 42.3 Dist. 150 Km		eP 10:55:41.8 Distant shock		iP 07:05:21.8 iS 47.4 Compression Dist. 235 Km
	iP 19:52:48.1 iS 06.0 Dilatation Dist. 160 Km		eP 11:00:07.5 eS 33.0 Dist. 235 Km		iP 08:25:09.3 iS 29.0 Compression Dist. 175 Km
	iP 20:30:13.8 eS 30.6 Compression Dist. 150 Km		iP 13:00:40.7 iS 58.0 Dilatation Dist. 155 Km		iP 11:22:27.6 iS 23:08.5 Compression Dist. 390 Km
	eP 21:59:16.6 eS 31.1 Dist. 125 Km		eP 14:42:50.6 eS 43:11.7 Dist. 190 Km		eP 14:17:10.7 eS 52.5 Dist. 400 Km
	iP 22:15:37.8 iS 48.8 Compression Dist. 90 Km		iP 23:19:04.1 iS 21.0 Dilatation Dist. 150 Km		eP 17:03:36.7 eS 59.9 Dist. 210 Km
26	eP 00:29:26.6 eS 44.0 Dist. 155 Km			29	iP 00:23:59.6 iS 24:13.2 Compression Dist. 115 Km

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PROVISIONAL READINGS AT PELDEHUE

Apr. 29 iP 00:37:41.5
1967 iS 54.6
Dilatation
Dist. 110 Km

30 eP 22:44:14.0
iS 29.4
Dist. 135 Km

eP 23:11:59.5
eS 12:31.2
Dist. 295 Km

May 01 iP 02:00:20.8
1967 eS 29.0
Dilatation
Dist. 60 Km

eP 02:20:49.0
Distant shock

eP 02:57:29.0
eS 49.5
Dist. 185 Km

eP 04:35:48.5
eS 36:28.8
Dist. 385 Km

May 01 eP 08:56:33.5
1967 Distant shock

eP 11:48:38.5
eS 58.0
Dist. 175 Km

eP 12:55:40.1
eS 59.8
Dist. 175 Km

eP 17:32:32.0
Distant shock

C. Gallardo
Seismologist

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Apr. 25 iP 10:36:39.8
1967 iS 59.5
Dist. 175 Km
Dilatation

C. Gallardo
Seismologist

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

Apr. 27 iP 01:18:10.4
1967 iS 12.8
Compression
Local Shock

eP 18:54:58.5
eS 19:00:00.0
Dist. about 30°

Apr. 28 eP 05:11:02.3
1967 iS 06.6
Local shock

iP 05:15:47.5
iS 52.0
Local shock
Compression

Apr. 28 iP 14:57:56.4
1967 eS 15:00:00.0
Dist. about 10°

30 eP 10:03:40.5
iS 04:11.0
Dist. about 280 Km

Capitán Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Apr. 27 e(P) 00:45:34

A. Sickinger
SEISMOLOGIST

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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Apr.13 eP 16:35:49.5
1967 eS 36:26.7
Dist. 330 Km

iP 17:42:48.6
eS 43:44.7
i 49.2
Dilatation from SW
Dist. 540 Km

ePKP 20:08:45.5

eP 23:42:30.0
eS 43:06.1
Dist. 320 Km

14 eP 06:56:10.5
eS 29.7
Dist. 160 Km

Apr.14 eP 09:09:56.2
1967 eS 10:34.7
Dist. 340 Km

eP 12:10:40.3
e(S) 11:00.7
i 04.3

eP 14:59:17.0
eS 36.0
i 48.7
Dist. 160 Km

eP 21:35:40.6
eS 36:05.7
Dist. 220 Km

Apr.15 eP 02:07:11.2
1967 e 16.2
eS 39.6

Y. Franulic
Seismologist

ANTOFAGASTA
CHILE
ESTACION SISMICA
INSTRUMENTOS
RECORRIDOS CORRECTAMENTE

INTERNATIONAL
SUMMARY
Kew Observatory
Richmond Surrey England

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND



IMPRESO ORDINARIO

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Departamento de Geofísica y Geodesia

*Chile
May 1967*

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Santiago, Chile

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

May 01 1967	eP eS Dist. 135 Km	23:04:31.8 47.3	May 03 1967	eP eS Dist. 615 Km	14:57:28.5 58:32	May 06 1967	iP eS Dist. 125 Km Compression	03:22:54.0 23:08.3
02	eP eS Dist. 195 Km	01:26:47.3 27:08.9		eP eS Dist. 480 Km	17:08:42.5 09:32.5		eP eS Dist. 225 Km	05:09:50.6 10:14.9
	eP eS Dist. 205 Km	02:57:03 25.4	04	eP eS Dist. 855 Km	08:23:40.5 10:33:19 34:45.7		eP e(S) Dist. 100 Km Compression from SE	08:38:31.0 17:38:02.3 12.0
	eP eS Dist. 205 Km	10:27:29.7 52.4		iP iS Dist. 75 Km Compression from NW	20:16:26.5 36		iP e eS Dist. 615 Km Compression	19:45:19.6 37.2 46:23.0
	eP e Dist. 660 Km	11:50:55.6 52:31.5		eP eS Dist. 415 Km	21:35:09.5 53		07 eP Dist. 105 Km	00:15:48.3
	iP eS Dist. 225 Km Dilatation	14:53:11.5 36		eP eS Dist. about 330 Km	23:59:(58) 00:00:33		iP iS Dist. 145 Km Compression from SE	10:22:53.2 23:05.1
	eP eS Dist. 215 Km	15:04:(46) 05:09.2	05	eP eS Dist. 570 Km	00:48:43 49:42		eP eS Dist. 105 Km	11:04:41.0 53.6
	eP eS Dist. 250 Km	23:15:48.3 16:15.5		eP eS Dist. 190 Km	05:23:14 35		eP eS Dist. 145 Km	12:57:57.6 58:14.2
03	eP eS Dist. 250 Km	01:06:39 07:06		eP e Dist. 235 Km	07:27:23 28:19		eP eS Dist. 550 Km	14:34:32.0 35:29.0
	eP e Dist. 500 Km	02:31:20 58.5		eP eS Dist. 100 Km	13:57:05 17		eP eS Dist. 270 Km	19:15:55.3 17:05.5
	eP eS Dist. 215 Km	06:55:53.5 56:45.5		iP iS Dist. 135 Km Compression	21:20:15.5 31		08 eP Dist. 170 Km Dilatation	22:04:28.5 57.5
	eP e(S) Dist. 215 Km	07:14:17.5 51	06	eP iS Dist. 80 Km	03:14:27.6 37.7			01:43:04.9
	eP eS Dist. 215 Km	12:20:25 48.5					iP iS Dist. 170 Km Dilatation	03:29:20.6 39.4

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PROVISIONAL READINGS AT PELDEHUE

May 08 eP 03:38:41.0	May 08 eP 05:26:45.8	May 08 eP 18:33:33.7
1967 eS 59.9	1967 Distant shock	1967 Distant shock
Dist. 170 Km		
iP 04:13:41.9	iP 15:30:12.0	iP 18:56:36.4
iS 14:01.4	eS 29.6	eS 54.2
Dilatation	Compression	Compression
Dist. 175 Km	Dist. 155 Km	Dist. 160 Km
	eP 17:31:27.1	
	Distant shock	

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Apr. 28 eP 07:05:27.0	Apr. 30 eP 06:09:18.9	May 05 eP 12:42:08.5
1967 e(S) 58	1967 eS 27.6	1967 e(S) 29.5
	Dist. about 70 Km	
29 eP 00:23:56.5	e(P) 07:26:20.5	06 eP 03:14:22.5
eS 24:05.5	e(S) 28:08	eS 28.5
		Dist. 40 Km
eP 07:58:35.3	eP 07:48:08.3	eP 19:45:23.8
e(S) 59:05	e(S) 35.5	
eP 17:23:02.7	May 01 eP 23:04:29.0	07 eP 10:22:54.2
eS 22	eS 43.5	eS 23:06.6
Dist. 175 Km	Dist. about 120 Km	Dist. 105 km
iP 17:30:25.3	02 eP 23:15:54	eP 14:34:31.5
iS 34.4	e(S) 16:21	
Dist. 70 Km		
iP 22:27:21.8	04 eP 20:16:29.0	
i(S) 35.3	iS 39.9	
Dilatation	Dist. 90 Km	
30 iP 05:46:22.7	05 e(P) 00:48:47.4	
iS 35.5	i 59.2	
Compression	e(S) 49:51	
Dist. 110 Km		

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

May 03 eP 06:55:06.5	May 04 eP 21:34:34	May 05 eP 07:26:37
1967 eS 15	1967 eS 45	1967 eS 45
Dist. 70 Km	Dist. 90 Km	Dist. 65 Km
		07 eP 19:15:08.5
		eS 37.5
		Dist. 270 Km
		08 eP 05:25:50
		eS 26:10
		Dist. 180 Km

A. Sickinger
Seismologist

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PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W 73 m

Apr. 27 e(P) 00:45:44
1967

E. Lorca
Seismologist

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

May 02 iS 05:32:06.5
1967 eS 20:42:01.7

May 04 eP 19:11:04.6
1967 eS 07.5

May 07 eP 14:21:39.4
1967 iS 43.3

03 eS 06:32:44.0

05 eP 09:55:09.3
iS 10.3

Dilatation

eP 15:05:37.4
iS 39.2

04 eS 08:21:57.5
Distant shock

06 No record

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Apr. 15 e(P) 03:21:12
1967 eS 38.2

Apr. 16 eP 02:48:02.9
1967 eS 47.5

Apr. 17 eP 15:40:00.9
1967 eS 38.5

eP 06:13:54.2
eS 14:18.7
Dist. 220 Km

Dist. 430 Km

Dist. 340 Km

iP 08:17:17.0
iS 55.9
Compression from NE
Dist. 350 Km

eP 02:55:14.1
eS 33.8
Dist. 170 Km

18 eP 00:00:15.5
eS 56.5
Dist. 380 Km

eP 10:31:08.6
eS 51.7
Dist. 410 Km

eP 03:03:40.0
e(S) 56.5

eP 00:44:24.5
eS 45:06.7
Dist. 390 Km

iP 16:40:40.2
iS 45.6
Dist. 50 Km

eP 22:22:35.0
eS 23:21.2
Dist. 440 Km

eP 06:23:55.2
eS 24:22.5
Dist. 240 Km

Dilatation from SE

eP 23:07:55.5
eS 08:32.0
Dist. about 330 Km

eP 09:03:05.8
e(S) 29.2

eP 20:35:53.7
e(S) 36:09.4

17 e(P) 00:23:55
eS 24:19.5

e(P) 12:49:11.0
eS 30.7

16 eP 00:17:00.0
eS 15.4
Dist. 120 Km

eP 02:35:29.0
Local

e(P) 13:57:12
e 25.5
e(S) 39.5
e 47.2

eP 00:18:32.1
eS 19:12.8
Dist. 380 Km

eP 08:31:33.0
eS 51.5
Dist. 160 Km

eP 19:22:57.0
eS 23:20.0
Dist. 200 Km

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PROVISIONAL READINGS AT ANTOFAGASTA

Apr. 18 1967	eP i eS Compression from ENE Dist. 200 Km	19:28:30.0 30.6 53.2	Apr. 20 1967	eP eS Dist. 340 Km Dilatation?	17:40:46.4 41:24.5	Apr. 23 1967	eP eS Dist. 230 Km	05:47:10.5 36.7
	eP eS Dist. 110 Km	20:58:02.6 16.8		eP eS i Dilatation from S Dist. 180 Km	20:58:01.8 22.9 23.7		eP eS Dist. 330 Km	13:11:53.5 12:30.6
	eP eS Dist. 200 Km	22:29:50.5 30:13.3	21	eP iS Dist. 260 Km Compression from S	00:45:22.6 51.7		eP eS Dist. about 300 Km	16:13:39 14:12.3
19	eP eS Dist. 330 Km	01:21:13.2 50.2		ePKP i eSS eG e(R) Dist. about 146°	08:34:06.6 13.7 56:46 09:15:26 26.3		eP e(S) i	16:41:56.2 42:10.3 13.5
	eP Distant shock eP eS i Dist. 210 Km	07:21:08.2 10:02:30.5 54.5 55.6		eP eS Dist. 190 Km	16:43:59.3 44:21.0		eP eS Dist. about 270 Km	18:36:35 58.0
	eP eS Compression Dist. 150 Km	16:05:13.4 31.8		eP eS Dist. 770 Km	22:59:26.5 23:00:45.6		iP iS Compression from NNE Dist. 60 Km	23:12:54.8 13:01.7
	eP eS Dist. 170 Km	17:28:37.1 57.5	22	iP iS Compression from NE Dist. 160 Km	00:34:05.7 24.2		e(P) eS	01:52:19 46.0
	eP eS Dist. 80 Km	23:10:53.4 11:02.7		eP Distant shock	08:57:07.2		e(P) e(S)	07:11:43 12:19
20	eP Distant shock	00:20:44.9		iP iS Compression from SW Dist. 130 Km	11:30:14.8 30.5		e(P) Local	10:35:55
	eP eS i	05:33:15 44.0 34:00.9		e(PKP) eP Near shock	14:50:04.7 20:01:24.0		iP iS Compression from E Dist. 90 Km	11:58:18.7 29.7
	e(P) eS	06:12.3 13:12.4		eP e(S)	19:12:10.9 49.7		e(P) eS	13:26:00 26.8
	eP eS Dist. 240 Km	06:57:40.6 58:07.8		eP eS Dist. about 170 Km	22:02:58 03:17.8		e(P) Local	14:54:31
	eP eS Dist. 200 Km	07:40:58.2 41:20.7					eP eS Dist. 180 Km	17:08:04.5 25.5
			23	eP eS Dist. 340 Km	01:46:03.7 41.4		e(P) eS	17:17:38.5 55.7

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PROVISIONAL READINGS AT ANTOFAGASTA

Apr. 25 1967	eP 01:52:55.2 eS 53:51.2 Dist. 540 Km	Apr. 26 1967	eP 12:37:32.2 eS 53.7 Dist. 180 Km	Apr. 27 1967	eP 22:09:50.9 eS 10:17.6 Dist. 240 Km
	eP 02:28:26.9 eS 29:15.5 Compression Dist. 470 Km		e(P) 13:31:34 Distant shock	28	eP 01:02:04 e(S) 35.9
	eP 05:53:54.1 e(S) 54:20.0 i 37.2		e(P) 18:01:35 Local		e(P) 04:00:09 eS 31.0
	iP 06:09:37.5 eS 10:17.2 Compression Dist. 360 Km		iP 20:06:29.7 iS 35.8 Compression from NE Dist. 50 Km		e(P) 04:55:50 eS 56:26.1
	eP 10:38:23.8 i 31.8 eS 40:05.1 i 37.5 From SSE?		eP 21:41:22.3 eS 49.3 Dist. 240 Km		e(P) 07:08:34.4 Near shock?
	eP 17:14:24.9 eS 42.5 i 43.5 Dist. 150 Km	27	eP 00:46:04.8 eS 50:17 eSS 54 eR 52:00 Dist. about 23°		e(P) 07:33:43.4 e 59.1
	iP 19:38:43.9 iS 56.2 Compression from ENE Dist. 110 Km		eP 02:38:38.0 eS 45.6 Dist. 70 Km		eP 08:56:12.4 e 14.7 eS 36.3 Dist. 110 Km
	eP 20:17:12.7 iS 29.6 Compression from SE Dist. 140 Km		eP 04:22:09.7 eS 23:03.5 Dist. 520 Km		eP 13:33:39.9 Local
26	eP 01:12:17.8 eS 13:19.1 Dist. 590 Km		iP 06:09:29.5 iS 58.3 Compression from SSE Dist. 260 Km		eP 18:38:04 eS 40.6 Dist. about 320 Km
	eP 02:14:29.0 eS 51.8 Dist. 200 Km		e(P) 08:09:54 e 59.5 eS 10:21.8		eP 20:24:18.3 eS 46.4 Dist. 250 Km
	eP 04:58:58.1 e(S) 59:42.2		eP 09:07:09.8 eS 57.7 Compression from S Dist. 450 Km		eP 21:05:38.0 eS 58.5 i 06:01.7 Dist. 180 Km
	eP 07:10:09 eS 23.0 Dist. about 110 Km		eP 14:49:09.5 eS 14.3 Dist. 40 Km	29	e(P) 07:59:40 e(S) 08:01:10.4
	eP 10:27:54.4 eS 28:29.5 Compression Dist. 310 Km		eP 17:32:23.3 eS 45.5 Dist. 190 Km		e(P) 09:44:13 eS 36.6
					e(P) 11:04:28 e(S) 05:16

Y. Franulic
SEISMOLOGIST

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND



IMPRESO ORDINARIO

UNIVERSIDAD DE CHILE
Departamento de Geofísica y Geodesia

Chile
May 1967

1.
Casilla 2777
Santiago, Chile

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

May 09 eP 21:49:40.2 1967 Distant shock	May 15 eP 13:01:45.1 1967 Distant shock	May 17 eP 05:34:16.6 1967 Distant shock
10 eP 15:42:49.6 Distant shock	iP 15:01:03.3 iS 19.5 Compression Dist. 140 Km	eP 12:52:51.5 eS 53:20.5 Dist. 270 Km
eP 16:51:45.5 eS 52:32.6 Dist. 450 Km	iP 17:13:53.2 Dilatation Distant shock	iP 15:53:00.8 Near by explosion
eP 17:42:49.6 eS 43:09.4 Dist. 180 Km	16 eP 03:25:20.4 eS 39.2 Dist. 170 Km	18 iP 06:38:24.5 iS 38.5 Compression from NE Dist. 120 Km
11 eP 11:35:48.4 eS 37:15.0 Dist. 845 Km	iP 16:49:56.1 iS 50:12.6 Dilatation Dist. 145 Km Small	eP 08:22:43.1 Distant shock
12 eP 15:26:52.5 eS 27:09.2 Dist. 145 Km	iP 19:45:54.2 iS 46:31.0 Dilatation Dist. 350 Km	iP 08:45:47.4 iS 55.3 Dilatation Dist. 60 Km
14 iP 07:43:52.3 iS 44:18.4 Compression Dist. 240 Km	eP 19:47:43.0 Distant shock	eP 10:51:29.2 eS 43.2 Dist. 120 Km Small
eP 08:41:29.7 e(FPP) 38.6 eS 44:18.5 Dist. about 15°	iP 21:01:36.3 iS 56.8 Dilatation from NE Dist. 185 Km	eP 13:00:49.2 Distant shock
eP 14:59:22.0 eS 15:00:12.5 Dist. 485 Km	eP 22:42:12.8 eS 34.2 Dist. 195 Km	eP 14:09:30.2 eS 52.6 Dist. 105 Km
eP 17:59:51.2 eS 18:00:33.5 Dist. 405 Km	eP 23:18:36.5 eS 19:19.1 Dist. 495 Km	
eP 19:40:44.5 eS 41:15.0 Dist. 285 Km	17 iP 01:26:11.6 iS 23.5 Dilatation Dist. 100 Km	
15 eP 03:56:22.1 eS 57:14.0 Dist. 500 Km	eP 04:43:10.0 eS 27.0 Dist. 150 Km	
eP 09:20:50.8 eS 21:31.8 Dist. 390 Km		C. Gallardo SEISMOLOGIST

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

May 11 eP 15:08:24.5	May 14 iP 07:43:55.6	May 15 eP 03:56:18.6
1967 ipP 32.5	1967 eS 44:25.6	1967 eS 57:07.4
ePPP 47.5	Dilatation	Dist. 470 Km
eS 11:13.0	Dist. 280 Km	
Dist. 16°		16 iP 19:42:51.0
	eP 08:41:33.0	Dilatation
13 eP 15:14:50.5	e(pP) 41.5	
e(S) 15:23	e(S) 44:24.0	C. Gallardo
Small		SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

May 14 eP 16:12:42	May 14 eP 23:51:09	May 15 eP 03:55:57
1967 eP 16:14:51	1967 eS 14.5	1967 eS 56:15
	Dist. 45 Km	Dist. 145 Km
		A. Sickinger
		SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE

CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

May 07 eP 20:52:45.1	May 12 eP 05:51:19.1	May 14 iP 00:00:51.7
1967 iS 46.7	1967 iS 43.9	1967 iS 53.8
	e 52:11.6	Compression
08 iP 14:08:50.9	FELT	
iS 52.4		17 i 10:20:16.4
Compression	13 iP 20:33:51.0	
	iS 51.8	
11 iP 08:52:41.6	e 56.0	Capitán Iturriaga
eS 45.6	Compression	SEISMOLOGIST

PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W h 73 m

May 04 eP 08:22:46.0
1967 e 24:52
eS 27:08
eR 29:20
Dist. 25.5°

H. Becker
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Apr. 29 eP 13:24:25.6	Apr. 29 eP 19:59:13.9	Apr. 30 e(P) 00:44:58.7
1967 eS 38.6	1967 e 20.5	1967 e(S) 45:10.0
i 41.7	eS 31.3	
Dist. 110 Km	i 44.3	e(P) 06:29:57.5
	Dist. 170 Km	e 30:04.5
eP 16:55:24.1		e(S) 22.0
i 24.2	iP 22:26:33.3	i 23.4
iS 29.2	eS 27:08.5	
Dist. 120 Km	i 09.4	
From SW	Compression from E	
	Dist. 310 Km	

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PROVISIONAL READINGS AT ANTOFAGASTA

Apr. 30 1967	eP eS Dist. about 150 Km	06:38:30 47.8	May 02 1967	e(P) eS	09:21:00 51.2	May 03 1967	e(P) eS	17:09:19.6 10:15.7	
	iP iS Dist. 40 Km Compression from SSE	07:24:06.6 11.6		eP i eS i Dist. 220 Km Compression from SE	10:10:20.8 21.9 45.3 51.8		e(P) eS	17:29:46.4 30:05.0	
	iP iS Dilatation from SSE Dist. 40 Km	07:36:24.9 30.0		eP eS	19:09:30 10:27.5	04	eP eS Dist. 320 Km	02:13:15.9 52.1	
	eP eS Dilatation from SE Dist. 40 Km	10:33:23.0 28.3		iP i e(S)	20:23:39.3 52.7 24:02.8		e(P) e(S)	03:22:10 29.2	
	eP iS Dist. 40 Km	13:17:13.7 19.1		iP eS Compression from NE Dist. 360 Km	21:16:53.0 17:33.3		e(P) e(S)	05:00:10.4 43.6	
	e(P) e(S)	14:24:39 25:10.5	03	eP eS Dist. 190 Km	02:47:04.6 26.4		eP eS eSS eG eR From SE Dist. about 45°	08:25:42.5 32:17 35:34 36:08 39.7	
	eP eS Dist. 40 Km	16:35:42.1 47.2		eP eS Dist. 240 Km	03:10:03.6 30.3		iP iS Dilatation from S Dist. 110 Km	10:32:42.2 33:00.5	
	e(P) eS	17:42:02.7 21.8		eP eS Dist. 170 Km	05:22:56.4 23:16.4		eP eS Dist. 230 Km	14:30:21.3 47.3	
May 01	eP eS Dist. 160 Km	06:24:45.2 25:04.1		eP eS Dist. 490 Km	07:15:01.6 53.5		eP eS Dist. 230 Km	15:59:37.6 16:00:03.2 Dist. 230 Km	
	eP eS Dist. 40 Km	07:58:17.0 22.2		eP i eS From S Dist. about 220 Km	10:46:32 35.3 56.8		eP eS Dilatation from S Dist. 170 Km	16:31:22.4 42.7	
	eP eS	08:56:50 57:06.6		e(P) eS	14:57:32.5 58:36.3		e(P) e eS	21:34:09.0 12.4 31.5	
	e(P) e(S)	10:05:57.3 06:13.0		e(P) i eS i	16:31:32 35.0 54.8 32:01.1		05	eP eS Dist. 450 Km	00:14:36.4 15:23.8
	eP eS Dist. 190 Km	10:16:57.7 17:19.6		eP eS Dist. 50 Km	16:41:02.2 08.5		eP iS Dist. about 650 Km	00:48:31.4 49:38	
	e(P) eS	23:12:50 13:22.9							
	eP eS Dist. about 230 Km	23:55:02 27.7							

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PROVISIONAL READINGS AT ANTOFAGASTA

May 05 eP 13:19:53.0
1967 eS 20:28.8
Dist. 320 Km

eP 16:37:38.1
eS 38:33.3
Dist. 530 Km

May 05 eP 17:57:52.1
1967 Distant shock

eP 19:27:16.8
e(S) 29.0
i 34

May 06 eP 01:07:12.8
1967 eS 32.3
Dist. 170 Km

Y. Franulic
SEISMOLOGIST



IMPRESO ORDINARIO

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEM OBSERVATORY
RICHMOND SURREY ENGLAND

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PROVISIONAL READINGS AT ANTOFAGASTA

23°42'18" S 70°24'55" W h 80 m

May 06	eP	03:24:57.2	May 07	eP	08:09:29.2	May 08	e(P)	23:52:44.9	
1967	eS	25:17.5	1967	eS	10:06.5	1967	eS	53:08.1	
		Dist. 170 Km			Dist. 330 Km				
	eP	05:47:09.6		eP	09:13:30.2		09	iP	02:18:35.5
	eS	32.3		eS	53.0			iS	45.3
		Dist. 200 Km			Dist. 200 Km			Dilatation from NNW	
								Dist. 90 Km	
	eP	10:16:39.7		eP	11:10:25.3			iP	03:38:07.2
	eS	17:15.3		e	32.1			iS	12.6
		Dist. 320 Km		eS	43.6			Compression from SE	
					Dist. 150 Km			Dist. 50 Km	
	e(P)	13:16:49.5		eP	14:34:36			eP	04:19:21.0
	eS	17:05.5		e	45.7			eS	38.9
				e(S)	35:52.0			Dilatation from N	
	eP	14:08:35.4						Dist. 150 Km	
	Distant shock								
	eP	16:16:50.5		eP	18:30:36.0			eP	19:16:21
	eS	56.7		e(S)	31:05.5			Local	
		Dist. 50 Km		e	16.4				
				e(P)	20:51:35.9		10	eP	00:33:01
	iP	19:45:01.2		eS	52:06.9			eS	26.1
	i	05.9						Dist. about 220 Km	
	iS	45.8		eP	21:17:22.6			eP	02:36:57.8
	Compression from S			eS	18:01.1			eS	37:34.0
		Dist. 420 Km			Dist. 350 Km			Dist. 320 Km	
	e(P)	23:20:50.6		e(P)	21:43:17.7			e(P)	09:53:26.7
	e(S)	21:26.4		eS	38.9			eS	48.7
07	eP	00:01:12.2	08	e(P)	02:44:09			eP	12:05:56.7
	eS	40.1		e(S)	38.6			eS	06:17.3
		Dist. 250 Km						Dist. 180 Km	
	eP	01:42:26.1		eP	07:25:42.6				
	e	29.0		e(S)	26:01.0			e(P)	12:13:15
	eS	53.7		i	10.1			eS	38.5
		Dist. 250 Km							
	eP	03:13:43		eP	09:38:49.1			eP	15:37:23.0
	eS	14:25.4		eS	39:26.6			Local	
		Dist. about 400 Km			Dist. 340 Km				
	eP	04:05:53.3		eP	11:12:42.0			eP	16:55:05.2
	eS	06:17.4		eS	13:19.5			iS	24.9
		Dist. 210 Km			Dist. 340 Km			Compression	
								Dist. 170 Km	
	eP	05:08:42.9		e(P)	20:10:23.5			e(P)	17:4:??
	eS	09:11.7		e(S)	50.5			eS	??
		Dist. 260 Km							
	eP	07:00:13.4		eP	21:08:31.6			eP	20:41:11.0
	e(S)	21.9		eS	09:10.4			eS	52.4
	i	27.0			Dist. 350 Km			Compression	
								Dist. 380 Km	
				eP	22:58:02.6			eP	22:49:05.5
				eS	31.7			eS	40.1
					Dist. 260 Km			i	41.7
								Dist. 310 Km	
								Compression	

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PROVISIONAL READINGS AT ANTOFAGASTA

<p>May 10 eP 23:22:21.9 1967 e(S) 23:09.4 Compression</p>	<p>May 12 eP 04:03:28.5 1967 eS 50.5 Dist. 190 Km</p>	<p>May 13 e(P) 01:37:30 1967 e(S) 38:07.8 e 31.0</p>
<p>11 e(P) 03:17:04.8 eS 22.6</p>	<p>eP 04:08:51.2 eS 09:20.0 Dist. 260 Km</p>	<p>eP 11:33:12.8 eS 59.5 Compression from SE Dist. 450 Km</p>
<p>eP 04:19:35 e(S) 50.4 e 58.5</p>	<p>eP 06:43:22.9 eS 44:03.0 Dilatation Dist. 370 Km</p>	<p>e(P) 11:51:57 eS 53:11.3</p>
<p>eP 04:24:35.1 eS 25:19.3 Dist. 410 Km</p>	<p>eP 06:55:34.8 eS 57.0 Compression Dist. 190 Km</p>	<p>eP 12:07:15.1 eS 51.3 Dist. 320 Km</p>
<p>eP 05:36:18.9 eS 52.7 Dist. 310 Km</p>	<p>eP 08:01:02.4 eS 18.0 i 18.8 Dist. 130 Km</p>	<p>eP 12:38:14.3 e(S) 43.5 e 51.3</p>
<p>eP 11:46:54.6 eS 47:13.8 Dist. 160 Km</p>	<p>eP 12:10:07.3 e(S) 18.7</p>	<p>eP 13:57:21.5 eS 58.5 Dist. 330 Km</p>
<p>eP 13:06:59.3 eS 07:46.2 Dilatation from E Dist. 450 Km</p>	<p>e(P) 12:17:55.5 eS 18:12.8 i 20.8</p>	<p>eP 15:01:24.0 eS 02:04.1 Dist. 370 Km</p>
<p>eP 14:10:39.0 eS 55.9 Dist. 140 Km</p>	<p>eP 14:17:50.5 eS 18:11.6 Dist. 180 Km</p>	<p>e(P) 15:15:52 eS 17:27.5</p>
<p>iP 15:06:15.1 i 43 i 54 i(S) 07:30 Compression from NNE</p>	<p>eP 16:25:07.5 eS 25.6 i 37.2 From S Dist. 150 Km</p>	<p>e(P) 16:52:41.2 e 43.2 e(S) 53:06.5</p>
<p>e(P) 15:19:00 eS 55.5 i 20:19.8</p>	<p>eP 19:23:33.4 eS 56.2 Dist. 200 Km</p>	<p>eP 17:03:29.1 eS 04:14.2 Dist. 430 Km</p>
<p>eP 15:51:46.4 eS 52:32.5 Dist. 450 Km</p>	<p>eP 20:59:44 e(S) 21:00:17.6 e 35.9</p>	<p>eP 22:07:45.3 eS 08:22.2 Dist. 330 Km</p>
<p>e(P) 15:40:09.5 eS 41:57.0</p>	<p>e(P) 21:08:26.9 e(S) 09:00.5 e 24.3</p>	<p>14 e(P) 00:31:02.2 i 07.4 e(S) 41.6</p>
<p>e(P) 17:59:16.0 eS 37.5</p>	<p>e(P) 21:49:32 e(S) 50:08.6 e 35.1</p>	<p>eP 02:37:47.7 e(S) 38:06.4 i 13.5 Compression</p>
<p>e(P) 22:37:26.9 eS 48.7</p>	<p>13 eP 00:11:58.7 eS 12:29.6 Dist. 280 Km</p>	<p>eP 06:32:17.5 eS 29.9 Compression from SW Dist. 100 Km</p>
<p>12 eP 03:48:51 Local</p>		

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PROVISIONAL READINGS AT ANTOFAGASTA

May 14 1967	iP	08:39:26.5	May 16 1967	e(P)	01:00:07	May 16 1967	e(PKP)	04:26:36
	i	52		eS	01:36.0		iP	05:17:35.7
	i(S)	40:02		eP	01:35:38.1		iS	43.6
	i(S)	19		iS	36:01.2		Dilatation from NNE	
	Dilatation from NNE			Dist. 200 Km			Dist. 70 Km	
	eP	10:24:22.2		e(P)	03:32:40		e(P)	06:35:49.6
	eS	47.3		e(S)	33:19.9		eS	36:11.7
	i	52.2		Dist. 220 Km			e(P)	07:09:37.1
	e(P)	11:55:11		iP	07:48:31.1		e	39.6
	eS	45.3		iS	49:10.2		eS	10:01.6
	Dist. 240 Km			Compression from ESE			i	04.1
	eP	13:19:01.8		Dist. 360 Km			eP	10:59:22.3
	eS	28.5		eP	16:20:11.2		eS	57.7
	Dist. 240 Km			eS	25.2		i	58.7
	e(P)	15:47:33.0		Compression from N			Compression	
	eS	50.2		Dist. 110 Km			Dist. 310 Km	
	e(P)	16:08:40.5		iP	19:45:58.2		eP	11:27:10.5
	eS	52.3		iS	46:15.7		Distant shock	
	Dist. 230 Km			Compression from SSW			e(P)	13:51:16
15	eP	06:18:06.2		Dist. 150 Km			eS	45.6
	eS	31.8		eP	20:25:40.2		Dist. 350 Km	
	Dist. 230 Km			eS	54.5		eP	13:56:19.5
	eP	06:47:40.7		i	56.0		eS	58.0
	eS	48:06.3		Dist. 110 Km			Dist. 350 Km	
	Dist. 230 Km		17	iP	05:32:16.7		Y. Franulic	
	eP	09:20:49.4		iS	39.4		SEISMOLOGIST	
	e(S)	21:47.1		Compression from NNE				
	Dist. 190 Km			Dist. 200 Km				
	eP	09:32:40.8		eP	10:00:21.3			
	eS	33:02.9		eS	42.4			
	i	07.6		Dist. 180 Km				
	Dist. 190 Km			e(P)	16:27:30			
	eP	17:36:23.6		e	28:14.7			
	eS	37:02.5		e(S)	30.9			
	Dist. 350 Km			eP	19:27:06.6			
	e(P)	22:18:11.5		eS	12.6			
	eS	30.8		Dilatation from N				
	Dist. 350 Km			Dist. 50 Km				
16	eP	00:05:57.1		eP	19:57:00			
	eS	06:22.4		eS	26.0			
	Dist. 220 Km			Dist. about 230 Km				
	e(P)	00:22:37.1		iP	21:20:23.1			
	e	38.4		iS	37.3			
	e(S)	23:02.2		Compression from ESE				
	i	03.6		Dist. 110 Km				

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*Chile
May 1967*

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

No records from May 20 at 18:47 to May 25 at 20:56.	May 27 eP 09:08:03.7 1967 eS 36.5 Dist. 310 Km	May 28 eP 03:15:49.3 1967 eS 16:09.5 Dist. 180 Km
May 25 iP 20:56:38.3 1967 iS 48.9 Dilatation Dist. 85 Km	eP 09:46:22.0 iS 32.2 Dist. 80 Km	iP 05:52:24.2 iS 35.5 Dilatation Dist. 95 Km
e(P) 20:59:45.0	eP 10:24:25.8 eS 48.6 Dist. 210 Km	iP 07:03:19.5 iS 32.8 Dilatation Dist. 115 Km
eP 21:06:23.8 eS 57.5 Dist. 315 Km	eP 11:17:59.0 Distant shock	eP 09:12:21.3 eS 35.4 Dist. 120 Km
26 iP 01:04:23.1 iS 52.8 Dilatation Dist. 175 Km	eP 13:27:19.0 eS 35.0 Dist. 140 Km	eP 13:33:52.0 eS 34:12.3 Dist. 185 Km
eP 07:43:48.6 Distant shock	iP 13:31:19.0 eS 45.6 Compression Dist. 245 Km	eP 15:01:52.0 eS 09.0 Dist. 150 Km
eP 14:47:26.0 eS 48:52.8 Dist. 750 Km	eP 17:42:04.6 Distant shock	iP 20:00:13.6 iS 53.2 Compression from SE Dist. 385 Km
eP 21:12:21.3 eS 35.2 Dist. 120 Km	eP 19:25:44.5 Distant shock	
eP 21:30:46.0 eS 31:01.5 Dist. 135 Km	eP 22:47:09.5 eS 48:24.8 Dist. 735 Km	

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

May 21 iP 23:27:58.1 1967 Dilatation	May 25 iP 20:56:38.3 1967 iS 49.0 Dist. 85 Km Dilatation	May 28 iP 20:00:09.3 1967 iS 48.7 Dist. 375 Km
22 iP 09:34:32.0 iS 35:01.7 Compression Dist. 275 Km	26 eP 14:47:(27.0) e(S) 48:55	29 eP 00:24:20.0 eS 49.5 Dist. 275 Km
25 iP 02:26:08.5 iS 25.6 Compression Dist. 150 Km	28 iP 05:52:23.0 iS 33.4 Dist. 85 Km	
eP 15:42:57.4 eS 43:14.6 Dist. 150 Km	eP 07:03:22.2 eS 37.6 Dist. 135 Km	
	eP 09:12:17.1 eS 27.6 Dist. 85 Km	

C. Gallardo
SEISMOLOGIST

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PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

May 25 eP 02:07:04.5 May 26 eP 14:46:35
1967 1967

A. Sickinger
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

May 18 eP 16:03:52.6	May 20 eP 10:09:56.8	May 21 iP 01:17:02.3
1967 eS 04:26.5	1967 i 59.0	1967 iS 41.9
i 26.8	iS 10:21.3	Dist. 360 Km
Dist. 310 Km	From S	Compression from ESE
eP 16:28:27.2	Dist. 220 Km	eP 01:45:44.3
i 30.7	eP 11:41:46.6	eS 46:24.1
iS 49.6	eS 55.0	Dist. 360 Km
i 55.3	Dist. 80 Km	eP 02:16:14.3
From SW	iP 12:52:29.2	eS 51.0
Dist. 190 Km	iS 44.4	Dist. 330 Km
19 eP 05:06:46.3	Compression from E	eP 05:12:03.3
e 49.1	Dist. 120 Km	eS 30.8
eS 07:24.5	eP 14:20:22.3	Dist. 250 Km
Dist. 350 Km	eS 47.0	eP 05:48:33.5
eP 05:08:31.0	Dist. 220 Km	eS 49:10.4
eS 48.2	e(P) 14:21:56.5	Dist. about 330 Km
Dist. 140 Km	e(S) 22:22.7	eP 07:28:32.6
e(P) 07:37:39	iP 15:00:48.8	eS 29:12.5
eS 38:18.5	i(S) 52.4	Dist. 360 Km
e(P) 10:52:14.1	Compression from W	e(P) 15:06:34
e(S) 32.2	e(PKP) 15:11:40.7	eS 50.5
iP 11:05:34.6	eP 15:35:29.1	eS 07:08.6
iS 06:12.8	eS 36:05.5	Two shocks?
Compression from SE	Dist. 320 Km	
Dist. 340 Km	eP 18:03:01.0	
eP 16:16:11.0	eS 20.9	
eS 56.3	Dist. 170 Km	
Dilatation from ENE	eP 19:01:53.4	
Dist. 420 Km	eS 02:23.3	
eP 16:29:57.5	Dist. 270 Km	
e(S) 31:09.4	eP 20:40:13.0	
20 e(PKP) 03:10:48.4	eS 33.5	
eP 06:35:50.5	Dist. 180 Km	
eS 37:25.8	21 eP 00:58:33.2	
Dist. 930 Km	iS 59:01.4	
	Dist. 250 Km	

Y. Franulic
SEISMOLOGIST

CHILE

May 1967



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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

May 29 1967 iP 00:24:17.1
eS 48.0
Dilatation
Dist. 290 Km

eP 03:40:22.6
eS 42.5
Dist. 180 Km
Small

eP 06:40:06.0
eS 41:21.9
Dist. 740 Km

iP 16:38:38.8
iS 51.0
Compression
Dist. 100 Km

eP 18:24:12.2
Distant shock

May 30 1967 eP 03:55:59.8
eS 56:15.1
Dist. 135 Km

eP 12:57:44.6
eS 58:02.3
Dist. 160 Km

eP 15:40:47.5
Distant shock

31 iP 06:30:55.0
iS 31:08.0
Compression
Dist. 110 Km

eP 11:52:53.0
eS 08.5
Dist. 135 Km

eP 11:54:08.6
eS 25.8
Dist. 150 Km

May 31 1967 iP 13:52:13.4
iS 25.5
Dilatation
Dist. 100 Km

Jun.01 1967 iP 07:31:12.4
eS 41.5
Compression
Dist. 270 Km

iP 14:04:45.4
iS 59.0
Dilatation
Dist. 115 Km

eP 15:50:50.0
eS 52:20
Dist. 880 Km

eP 17:59:30.6
Distant shock

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

May 31 1967 eP 13:52:15.0

Jun.01 1967 eP 07:31:15.4

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W h 73 m

May 10 1967 eP 18:11:05.4
eS 26.4
Dist. 190 Km

iP 18:15:01.0
iS 21.9
Compression
Dist. 170 Km
M 3.8 DGG

May 23 1967 eP 19:11:53.9
e 12:23
e(S) 14:55
eR 16:11

E. Lorca
SEISMOLOGIST

20 iP 12:52:44.5
iS 53:54.8
iR 54:36.0
Dist. 680 Km
Dilatation from SSE

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PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

Jun. 02 iP 21:51:40.4
1967 iS 42.3
Compression

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

May 21 ePKP 19:04:46.7
1967 epPKP 05:53.0
ePP 08:00
eSKS 15:12
e(SKSP) 19:10
eSS 28:03
i 50
eG 44:41
e(R) 56:20
Z 1.0 sec. A 1.4 u
Dist. about 142°
Doubtful interpretation

eP 19:13:40.7
eS 54.9
i 55.5
Dist. 110 Km

eP 20:05:50.5
eS 06:38.3
Compression from S
Dist. 450 Km

eP 20:15:48.4
eS 16:17.0
Dist. 260 Km

eP 23:28:05.4
e 36.7
e(S) 29:29.9

22 eP 03:45:43.9
eS 46:14.2
i 16.1
Dist. 270 Km

eP 04:11:10
e(S) 34.7

e(P) 05:50:19
eS 43.0

eP 11:21:05.5
eS 24.3
Dist. 160 Km

May 22 e(P) 12:33:33.0
1967 eS 57.4
iP 17:45:33.4
eS 46:13.1
Compression from ENE
Dist. 360 Km

eP 18:27:07.4
eS 28.3
Dist. 180 Km

eP 21:38:04.4
eS 21.0
Dist. 140 Km

eP 22:11:02
eS 15.6
Dist. 110 Km

23 eP 00:49:07.6
eS 29.5
Dist. 190 Km

eP 03:22:29.0
eS 23:02.9
Dist. 300 Km

eP 06:57:31.5
eS 46.8
Dist. 120 Km

iP 11:53:57.2
iS 54:34.7
Compression from SSE
Dist. 340 Km

eP 15:43:40.7
eS 44:02.3
Dist. 190 Km

eP 16:33:55.4
eS 34:08.3
Dist. about 200 Km

eP 16:45:15.2
eS 32.3
i 43.8
Dist. 140 Km

May 23 iP 18:06:28.0
1967 iS 53.2
Compression from E
Dist. 220 Km

eP 19:25:51.0
eS 32:20
eSS 35:42
eG 36:10
e(R) 39.0

Compression from SW
Dist. about 45°

e(P) 22:33:08
eS 34:33.4

eP 23:34:14.9
eS 31.7
Dist. 140 Km

24 e(P) 08:47:55
eS 48:21.5

e(P) 15:43:15
eS 21.6

25 eP 02:13:44.7
eS 14:05.6
Dist. about 180 Km

eP 03:18:26.7
eS 32.2
Dist. 50 Km

eP 03:54:40.1
Local

eP 05:22:35.8
eS 23:02.8
Dist. 240 Km

eP 13:48:59.7
eS 49:24.9
Dist. 220 Km

eP 17:59:47.4
eS 53.2
Dist. 50 Km

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PROVISIONAL READINGS AT ANTOFAGASTA

May 25 eP 23:42:22.9	May 26 eP 17:15:30.4	May 27 eP 23:06:26
1967 eS 43.2	1967 Local	1967 eS 44.1
Dist. 170 Km		Dist. about 150 Km
	eP 18:00:40.4	
26 eP 00:53:35.4	eP 18:51:11.5	28 e(P) 00:51:05.4
eS 56.6	eS 21.4	Local
Dist. 170 Km	Dist. 90 Km	
eP 01:06:10	eP 19:23:46.9	eP 11:21:09.6
eS 43.0	eS 24:34.2	eS 55.8
Dist. about 300 Km	Dist. 450 Km	Dist. 440 Km
eP 03:11:37.2	eP 19:44:38.4	e(P) 14:29:35
eS 12:01.3	i 49.7	eS 30:01.7
Dist. 210 Km	e(S) 54.8	
eP 03:23:05	i(S) 45:06.8	eP 16:15:11.5
e(S) 40.7	Compression from S	e 13.7
		e(S) 28.5
eP 03:25:51.3	eP 21:36:44.9	i 38.9
eS 26:31.7	Distant shock	
Dist. 360 Km		e(P) 20:03:13
eP 04:28:36.7	eP 22:20:26.1	e(S) 04:55.0
eS 29:16.6	eS 30.9	e 05:22.0
Dist. 360 Km	Dist. 40 Km	e(P) 23:49:22.4
		eS 50:01.6
eP 04:38:38.9	27 e(P) 02:27:48.6	29 e(P) 00:25:19.5
eS 54.9	eS 28:26.0	e(S) 26:42
Dist. 170 Km		
eP 07:03:09.8	eP 03:25:15	e(P) 01:48:26.4
eS 29.0	eS 49.3	eS 47.2
Dist. 160 Km	Dist. 310 Km	
iP 07:42:03.4	iP 04:44:44.5	e(P) 02:53:10.3
iS 17.2	iS 45:01.8	e 13.0
Dilatation from SSE	Compression from WSW	eS 32.3
Dist. 110 Km	Dist. 140 Km	i 38.1
eP 07:56:43.3	eP 07:02:20.8	e(P) 04:49:18
iS 57.5	eS 41.8	e(S) 39.8
Dist. 110 Km	Dist. 180 Km	
e(P) 11:44:12.0	eP 11:18:18	e(P) 09:03:41
e 22.7	eS 19:19.3	Local
eS 26.8		
	eP 13:38:55	eP 11:25:45.7
e(P) 12:26:52.4	eS 39:30.0	eS 26:25.9
eS 27:13.1	Dist. about 310 Km	Dist. 360 Km
	ePKP 17:41:53.1	
e(P) 14:49:27	e(SS) 59:18	eP 13:28:41.1
e(S) 53:47	e(SSS) 18:03:34	i 44.2
	eG 11:30	eS 29:08.6
eP 15:00:46.0	eR 20:46	i 19.2
eS 01:00.0	Dist. about 118°	Dilatation from NE
Dist. 110 Km		Dist. 250 Km
	eP 19:25:38.5	eP 16:24:33.8
	Distant shock	eS 56.7
		Dist. 200 Km

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PROVISIONAL READINGS AT ANTOFAGASTA

May 29 eP 18:39:33.6
 1967 e 37.1
 eS 40:01.5
 Dist. 250 Km

 eP 21:21:12.4
 Distant shock

 eP 23:02:15.7
 eS 53.8
 Dist. 340 Km

 30 eP 00:13:11
 eS 41.3
 Dist. about 270 Km

May 30 eP 02:50:06.3
 1967 eS 51:03.0
 Dist. 550 Km

 eP 03:21:01.0
 e(S) 37.4

 eP 06:12:09.6
 eS 37.0
 Dist. 240 Km

 eP 06:15:30.8
 eS 16:04.6
 Dist. 310 Km

May 30 eP 07:41:31.3
 1967 eS 56.8
 i 58.7
 Dist. 230 Km.

 eP 10:25:27.9
 eS 53.8
 Dist. 230 Km

 e(P) 12:28:31
 eS 54.3

 Y. Franulić
 SEISMOLOGIST

IMPRESO ORDINARIO

INTERNATIONAL SEISMOLOGICAL
 SUMMERY
 KEM OBSERVATORY
 RICHMOND SURREY ENGLAND



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 Departamento de Geofísica y Geodesia

Chile June

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Jun.11 eP 21:32:27.0	Jun.14 eP 01:22:28.5	Jun.15 iP 16:40:56.7
1967 Distant shock	1967 eS 42.3	1967 iS 41:07.0
	Dist. 120 Km	Dist. 95 Km
eP 23:45:13.7	eP 03:18:25.5	eP 17:41:56.7
iS 32.5	e 54.6	Distant shock
Dist. 170 Km	Distant shock	
12 eP 02:26:56.0	eP 05:07:07.4	eP 21:26:15.9
Distant shock	eS 36.3	e(S) 27:27
eP 05:33:05.5	Dist. 270 Km	16 iP 02:04:56.5
Distant shock		iS 05:11.5
eP 09:31:17.4	eP 05:19:30.1	Dilatation
Distant shock	Distant shock	Dist. 130 Km
eP 10:00:56.2	iP 05:28:26.3	eP 05:55:28.1
eS 01:20.5	iS 29:23.0	eS 48.6
Dist. 225 Km	Compression	Dist. 185 Km
	Dist. 545 Km.	
iP 17:12:44.9	eP 05:37:31.5	eP 10:05:54.5
iS 13:01.7	eS 43.3	Distant shock
Compression	Dist. 100 Km	eP 19:09:08.5
Dist. 45 Km	Small	i 12.0
eP 19:30:59.2	iP 15:22:39.8	eS 30.5
eS 31:14.8	iS 58.3	Dist. 200 Km.
Dist. 135 Km	Dilatation	iP 21:26:04.9
Small	Dist. 165 Km	iS 30.5
iP 21:16:31.4	eP 17:01:43.5	Compression from NW
iS 59.0	eS 55.0	Dist. 235 Km.
Compression from NE	Dist. 100 Km	iP 22:56:43.6
Dist. 255 Km	Small	eS 59.6
13 eP 00:18:37.3	iP 20:33:12.1	Dilatation
Distant shock	iS 37.6	Dist. 140 Km.
iP 01:45:26.1	Dilatation	eP 23:40:18.5
iS 40.9	Dist. 235 Km	eS 31.6
Dilatation from NW	15 eP 02:13:10.2	Dist. 110 Km.
Dist. 130 Km	Distant shock	17 iP 01:59:20.2
eP 02:17:42.5	iP 10:46:52.0	eS 46.5
Distant shock	iS 47:22.5	Compression
iP 08:25:19.7	Dilatation from NE	Dist. 245 Km.
iS 34.5	Dist. 285 Km	eP 04:42:19.6
Compression from NE	eP 12:43:35.6	eS 53.7
Dist. 130 Km.		Dist. 320 Km
eP 15:15:18.3	iP 16:30:33.8	iP 05:07:24.0
Distant shock	iS 43.5	eS 13:05
eP 19:11:43.0	Dist. 75 Km	eQ 15:57
Distant shock	Compression	Dilatation from SSE
	Magnitude about 3.2 (DGG)	Dist. 37.5°
		Mag. about 6.5 (DGG)

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PROVISIONAL READINGS AT PELDEHUE

Jun.17 iP 08:41:07.8	Jun.18 eP 03:30:20.0	Jun.18 iP 10:29:51.6
1967 iS 32.1	1967 Distant shock	1967 eS 30:08.7
Dilatation	iP 07:58:30.0	Dilatation from SE
Dist. 220 Km	iS 42.6	Dist. 150 Km
eP 21:01:16.0	Dilatation	Mag. about 3.5 (DGG)
eS 30.5	Dist. 105 Km	iP 17:19:49.0
Dist. 125 Km		iS 20:02.6
		Dilatation from SE
		Dist. 115 Km.
		C. Gallardo
		SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Jun.13 eP 01:45:28.7	Jun.15 iP 16:30:32.5	Jun.17 iP 01:59:27
1967 iS 40.0	1967 iS 42	1967 eS 57.5
Dilatation	Compression	Dist. 285 Km
Dist. 150 Km	Dist. 75 Km	eP 05:07:21
14 iP 05:28:30.5	eP 16:40:54.4	eS 13:02
Compression	iS 41:05.4	Dist. 37.5°
iP 15:22:43.5	Dist. 90 Km	eP 08:41:04
iS 23:04.5	16 eP 21:26:11	eS 23.5
Dilatation	eS 37.5	Dist. 175 Km
Dist. 190 Km.	Dist. 245 Km	18 eP 10:29:47.5
		eS 30:02
		Dist. 125 Km
		C. Gallardo
		SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Jun.10 eP 05:27:53	Jun.11 eP 17:49:36
1967 eS 28:44	1967
Dist. 465 Km	

A. Sickinger
SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO
AGUIRRE CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

Jun.14 iP 03:16:52.7	Jun.15 eP 23:17:27.6	Jun.17 iS 23:58:33.7
1967 eS 54.7	1967 iS 29.6	1967
iP 03:35:52.1	16 iP 03:31:13.3	19 iP 06:05:54.9
e 55.2	iS 16.5	eS 06:01.4
eS 58.9	Compression	iP 12:21:22.4
iP 15:13:29.1	17 iS 06:07:06.0	eS 31.2
iS 31.1	iP 06:25:27.4	Cap. Iturriaga
Compression	iS 29.6	SEISMOLOGIST
	iP 12:49:03.6	
	iS 06.2	

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Jun.11 1967	eP 17:29:35.5 eS 30:11.5 Dist. 320 Km	Jun.13 1967	eP 02:41:59.4 eS 42:19.2 Dist. 170 Km	Jun.14 1967	eP 05:28:56.5 e(S) 29:52.3 i 30:32.9
	eP 18:48:16.5 eS 32.2 Dist. 130 Km		e(P) 04:54:58 e(S) 55:06.5 e 19.3		eP 10:33:51.8 eS 34:12.1 e 17.3 Dist. 170 Km
	eP 19:35:02.5 eS 21.2 Dist. 160 Km		e(P) 08:25:33 e 33.8 e(S) 26:28.8 i 33.3		eP 11:24:37 eS 25:07.3 Dist. about 270 Km
	eP 20:35:57.2 eS 36 03.3 Dist. 50 Km		e(P) 11:58:16.8 eS 51.5		iP 16:33:20.8 iS 56.7 Compression from ESE Dist. 320 Km
	e(P) 22:42:32.4 Local		iP 13:07:34.0 iS 08:09.5 Dist. 320 Km Compression from ESE		e(P) 17:43:48 eS 59.6
	eP 23:13:11.7 eS 32.2 Dist. 180 Km		iP 15:13:28.2 iS 48.5 Compression from SE Dist. 170 Km		eP 19:29:21.5 eS 45.5 Dist. 210 Km
12	e(P) 03:36:29 e 31.1 e(S) 59.7		e(P) 18:16:08 eS 30.5	15	eP 00:00:35 eS 47.6 Dist. about 100 Km
	eP 05:18:01.1 eS 22.4 e 30.7 Compression from S Dist. 180 Km		iP 19:30:19.5 iS 56.0 Compression from E Dist. 320 Km		eP 03:04:07.9 eS 45.1 Dist. 330 Km
	eP 05:33:47.1 i 48.4 ePP 37:02 eS 44:04 ePS 45:02 ePPS 24 eSS 49:10 eG 55:20 eR 06:00:52 Dist. about 84°		eP 22:19:38.6 eS 54.4 Dist. 130 Km		eP 10:46:52.1 eS 47:37.3 Dist. 420 Km
	e(P) 07:03:04.2 e 05.0 eS 23.4	14	eP 22:28:38.8 eS 45.4 Dist. 60 Km		eP 12:42:06.7 eS 22.6 Compression from SSW Dist. 130 Km
	eP 11:59:32.6 eS 52.3 Dist. 170 Km		eP 03:05:31 eS 50.9 Dist. about 170 Km		eP 14:42:45 eS 49.6 Dist. 40 Km
	eP 19:05:27.5 eS 47.5 Dist. 170 Km		eP 03:16:24.1 i 51.2 eS 17:58.9 i 18:01.4 Dist. 930 Km	16	eP 03:09:37.4 eS 51.4 Dist. 110 Km
					eP 04:35:34.9 eS 40.7 Dist. 50 Km

Y. Franulic
SEISMOLOGIST

eP 10:03:57.4
e(S) 05:32.1
e 07:08.0
Compression

ANNONCI



INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO

Chile June 1961

1.

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Departamento de Geofísica y Geodesia

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Santiago, Chile

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Jun.18 1967	eP 21:08:31.4 eS 09:01.1 Dist. 275 Km	Jun.20 1967	eP 09:06:10.6 iS 24.9 Dist. 125 Km Small	Jun.21 1967	eP 15:36:44.0 i 44.9 iS 37:02.8 Dist. 170 Km
	eP 22:33:18.0 eS 44.6 Dist. 245 Km		eP 09:11:31.8 eS 50.7 Dist. 170 Km Small		iP 16:33:34.6 eS 44.5 Dilatation Small Dist. about 80 Km
19	eP 00:38:29.3 Distant shock		eP 12:21:33.2 Distant shock		eiP 17:55:43.0 i 56:00.5 iS 10.5 Dist. about 250 Km
	iP 05:20:58.9 iS 21:13.2 Dilatation Dist. 120 Km		eP 12:22:22.3 eS 46.1 Dist. 220 Km		eP 19:12:40 iS 59.5 Dist. about 170 Km
	eP 13:53:42.2 Distant shock		eP 14:22:24.5 Distant shock		eP 20:11:23.5 i 27.2 i 40.0 iS 13:00.0 Dist. about 950 Km. Mag. about 5½ (DGG)
	iP 15:09:22.0 iS 10:32.1 Compression from NE Dist. 680 Km	21	eP 01:18:07.2 iS 17.2 Dist. 80 Km		eP 23:12:20.1 iS 32.5 Dist. 100 Km
	iP 21:50:13.4 iS 16.1 Dilatation Local		iP 01:52:06.9 iS 31.5 Compression Dist. about 230 Km		22 eP 00:18:42.5 iS 19:00.0 Dist. about 160 Km
	iP 22:09:36.0 iS 59.4 Compression from NE Dist. 215 Km		iP 04:41:52.3 iS 42:20.9 Dilatation from N Dist. about 270 Km Magnitude about 4.0 (DGG)		iP 02:30:43.7 iS 31:39.7 Compression from NE Dist. 540 Km
	eP 23:34:29.9 Distant shock		eP 06:56:16.2 e(S) 07:03:38		eP 04:33:05.3 eS 39.0 Dist. about 320 Km
20	iP 02:14:43.2 iS 53.3 Dilatation Dist. 80 Km Small		eP 07:57:17.2 iS 29.7 Dist. about 110 Km		eP 06:04:31.5 iS 05:00 Dist. 290 Km
	eP 03:44:15.3 eS 30.2 Dist. 130 Km Small		eiP 09:54:30.9 iS 45.5 Dist. about 130 Km		eP 12:15:03.7 iS 16:10.5 Dist. 650 Km
	eP 05:19:52.0 eS 20:06.8 Dist. 130 Km Small		e(P) 14:02:15 e(S) 03:08.5		iP 21:20:30.7 iS 45.1 Compression from NE Dist. about 120 Km
	eP 07:35:31 Distant shock		iP 15:00:52.1 iS 55.0 Nearby explosion Compression		

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PROVISIONAL READINGS AT PELDEHUE

Jun.23 eP 04:19:49.4	Jun.24 eP 09:27:23.7	Jun.24 eP 21:19:58.0
1967 iS 59.4	1967 iS 43.2	1967 Distant shock
Dist. 80 Km	Dist. about 180 Km	
		iP 23:22:03.2
24 iP 00:28:31.7	eP 12:08:57.0	iS 13.8
iS 50.1	e(S) 09:47.5	Compression
Dilatation		Dist. about 90 Km
Dist. about 160 Km	eP 12:53:10.3	
	e(S) 54:06.7	25 eP 07:44:43.1
iP 06:44:55.5		iS 53.8
iS 45:07.5	iP 16:25:50.8	Dist. about 90 Km
Compression	iS 26:01.8	
Dist. 100 Km	Compression from S?	eP 23:52:35.5
	Dist. 90 Km	Distant shock

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Jun.19 eP 05:21:01.7	Jun.21 eP 06:56:18.5	Jun.21 eP 23:12:16.5
1967 eS 16.5	1967 Distant shock	1967 iS 26.7
Dist, 130 Km.		Dist. 80 Km
	eP 07:57:19.3	
iP 15:09:24.4	iS 33.8	22 eP 02:30:46.9
eS 10:37.5	Dist. about 130 Km	eS 31:45.0
Dist. 710 Km		Dist. 560 Km
	eP 09:54:34.1	
iP 20:04:22.3	eS 51.5	eP 12:15:06.4
iS 38.6	Dist. about 150 Km	e(S) 16:17
Compression		
Dist. 145 Km	e(P) 17:55:47.0	24 iP 06:44:55.7
	iS 56:05.0	iS 45:07.8
iP 22:09:39.5		Compression
eS 10:06.2	e(P) 20:11:27.8	Dist. 100 Km
Dilatation	e 12:15	
Dist. 245 Km	eS 13:11.5	25 eP 07:44:38.5
		iS 46.3
21 iP 04:41:55.5		Dist. 60 Km
iS 42:26.5		
Dist.290 Km		C. Gallardo
		SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62°52'00" S 60°40'50" W h 5 m

Jun.19 eP 14:43:57.0
1967 eS 59.7

Cap. Iturriaga
SEISMOLOGIST

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PROVISIONAL READINGS AT ANTOFAGASTA

Jun.16 e(P) 1967 eS	11:18:21 39.7	Jun.17 e(P) 1967 eS	13:44:05 52.5	Jun.19 eP 1967 eS	16:13:39.8 14:05.9
				Dist. 230 Km	
eP eS	12:46:44.9 47:04.4	eP eS	14:15:08.0 37.7	eP eS	16:30:45.0 31:21.2
	Dilatation from S Dist. 170 Km		Dilatation from NNE Dist. 270 Km		Dist. 320 Km
eP eS	15:24:08.5 45.5	eP eS	18:08:23.5 48.0	eP eS	18:28:08.2 29.1
	Dist. 330 Km		Dilatation Dist. 220 Km		Dist. 180 Km
eP iS	16:31:43.7 32:12.5	eP eS	21:46:07.2 26.0	e(P) eS	22:10:57 12:25.5
	Dist. 260 Km		Dist. 160 Km	20 eP eS	02:52:55.0 53:12.5
eP eS	18:02:31.5 53.5	18 e(P) e(S) e	03:17:35 52.5 59.8		Dist. 150 Km
	Dist. 190 Km			eP e(S)	06:40:50 41:21.5
eP eS	19:53:59.0 54:23.5	e(P) Local	04:02:34.5	iP iS	12:19:33.1 40.0
	Dist. 220 Km				Compression from SE Dist. 60 Km
eP eS	22:31:23.6 32:05.5	eP eS	14:43:38.5 44:00.5	eP eS	12:40:19.2 58.2
	Dist. 390 Km		Dist. 190 Km		Dist. 360 Km
eP eS	22:33:32.8 34:01.2	eP eS e	18:46:02.7 17.6 25.8	e(P) eS	13:39:52.5 40:11.2
	Dist. 250 Km		Dist. 120 Km		
eP eS	23:18:50.7 19:13.7	19 eP eS	00:53:33.2 47.3	eP eS	15:50:14.0 48,3
	Dist. 200 Km		Dist. 110 Km		Dist. 310 Km
eP eS	23:21:45.0 59	eP eS	05:11:16.8 47.2	21 e(P) eS	00:02:53.5 03:30.5
	Dist. 120 Km		Dist. 270 Km		
17 eP e(S)	00:34:11 49.6	eP i eS	11:20:15.2 15.5 51.8	e(P) e(S)	04:43:17 44:25.5
				iP eS eR	06:54:54.0 59:00 07:01:02
eP eS eG eR	01:03:48.1 09:48 12:36 14:00	From E Dist. 330 Km			PZ 0.46 u T 1.0 sec Mag. 6.2
	Dist. about 39°				MH 65 u T 18 sec Mag. about 5.9
eP i i i eS eSS eG eR	05:08:25.2 27.5 52 09:00 11:00 14:58 18:00 42 20:32	eP iS Dist. about 200 Km	11:47:36 59.5		Dist. about 22.5°
	Dist. about 44°			eP e(S) i	13:32:33.7 33:04.0 08.0
		eP eS Dist. 320 Km	13:42:36.0 43:12.1		
				iP eS	16:18:01.8 10.9
		eP i e(S) i	15:09:12.2 12.9 50.3 10:13.7		Compression from N Dist. 80 Km

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PROVISIONAL READINGS AT ANTOFAGASTA

Jun. 21 1967	eP 16:39:02.5 eS 27.8 Dist. 220 Km	Jun. 23 1967	eP 04:44:50.5 eS 45:04.2 Dist. 110 Km	Jun. 25 1967	eP 04:02:29.7 eS 58.1 Dist. 250 Km
	e(P) 17:57:07.5 eS 58:31.5		eP 06:11:46.0 eS 12:04.8 Dist. 160 Km		eP 06:49:15.3 eS 57.5 Dist. 390 Km
	eP 19:10:49.4 eS 11:27.5 Dist. 350 Km		e(P) 10:25:21 eS 47.0		e(P) 10:28:50 eS 29:19.0
	eP 19:52:59.5 eS 53:22.5 Dist. 200 Km		e(P) 12:52:36 e(S) 53:31.9		eP 12:42:19.7 eS 44.5 Dist. 220 Km
	iP 20:09:56.5 iS 10:11 Dist. about 120 Km Dilatation from S		e(P) 16:13:48.5 eS 14:14.7		eP 17:00:50.2 e(S) 01:30.0 i 32.7
	eP 20:58:11.6 e(S) 28.2		iP 20:40:09.5 i(S) 40.5 Compression from N		e(P) 17:42:04.5 Local
22	eP 00:43:35.7 eS 55.7 Dist. 170 Km	24	eP 12:02:21.3 e 22.4 eS 50.3 Dist. 260 Km		eP 21:32:01.3 eS 23.5 Dist. 190 Km
	eP 01:31:48.6 eS 56.0 Dist. 70 Km		eP 12:09:00 e(S) 58.7		eP 23:37:47.8 Distant shock
	eP 01:49:44.8 eS 50:09.2 i 11.0 Compression Dist. 210 Km		iP 14:10:24.0 iS 47.5 Compression from N Dist. 210 Km	26	e(P) 03:15:09.0 e 11.2 eS 28.0
	eP 02:06:49.6 eS 07:01.2 Dist. 100 Km		eP 16:45:04.5 e(S) 24.3 i 29.8		e(P) 08:42:48.0 e 51.2 e(S) 43:11.5 e 16.2
	eP 02:30:57.2 e 58.6 e(S) 31:52.7 i 32:05.3		eP 18:09:34.4 eS 11:07.5 Dist. 910 Km		eP 10:09:41.4 eS 59.6 Dist. 150 Km
	eP 08:23:45 e(S) 24:41.6		eP 20:09:26.5 eS 56.5 Dist. 270 Km		iP 17:36:33.0 iS 48.0 Dilatation from NE Dist. 120 Km Felt at Tocopilla and Calama.
	eP 09:32:56.5 eS 33:02.5 Dist. 50 Km		eP 21:17:58.9 eS 18:44.6 Dist. 430 Km.		eP 19:29:59.0 eS 30:35.7 Dist. 330 Km Dilatation
	e(P) 12:14:45.5 e 46.5 eS 15:32.9 e 34.0	25	eP 01:24:21.5 eS 53.0 Dist. 290 Km	27	e(P) 01:22:37.0 e(S) 23:06.0 i 13.5
			eP 03:54:12.4 eS 37.1 Dist. 210 Km		iP 05:21:00.5 iS 41.3 Dist. 360 Km Compression from N

5.

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PROVISIONAL READINGS AT ANTOFAGASTA

Jun. 27 eP 05:30:06.2
1967 eS 17.8
Dist. 100 Km

Jun. 27 e(P) 08:46:38.9
1967 eS 47:02.3

Jun. 27 iP 12:25:31.7
1967 iS 26:09.5
Dist. 340 Km
Compression from E

Y. Franulic
SEISMOLOGIST

26 OCT 1967
ADMINISTRATION OFFICE

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Chile June 1967

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Jun.26 eP 21:45:35.5	Jun.29 iP 19:33:15.4	Jul.01 ePP 23:30:05.0
1967 Distant shock	1967 eS 44.7	1967 ePS 39:32
eP 23:40:32.4	Dilatation	eSS 45:16
eS 41:18.7	Dist. 275 Km	e(Q) 57:06
Dist. 445 Km	30 iP 01:12:36.1	eR 00:03:36
	iS 54.8	Dist. 117°
27 eP 11:09:51.2	Compression	02 eP 07:23:45.3
eS 10:01.8	Dist. 165 Km	Distant shock
Dist. 85 Km	eP 04:51:12.9	eP 08:28:34.1
eP 14:48:19.7	Distant shock	Distant shock
eS 55.6	eP 08:37:28.4	iP 09:22:12.6
Dist. 340 Km	eS 46.5	iS 34.5
eP 17:30:52.0	Dist. 160 Km	Compression
eS 31:14.0	eP 09:08:01.7	Dist. 200 Km
Dist. 200 Km	Distant shock	eP 12:48:00.2
28 eP 01:28:18.4	eP 14:13:23.8	eS 20.7
Distant shock	eS 41.6	Dist. 185 Km
eP 04:59:00.0	Dist. 160 Km	iP 14:43:30.6
Distant shock	eP 14:13:03.8	iS 45.0
eP 08:38:33.0	eS 37.2	Dilatation
Distant shock	Dist. 315 Km	Dist. 125 Km
iP 15:00:35.5	eP 15:47:44.5	
iS 01:02.3	Distant shock	
Compression	eP 19:29:30.5	
Dist. 250 Km	Distant shock	
eP 18:24:43.2	eP 22:13:08.5	
eS 25:03.4	Distant shock	
Dist. 180 Km	iP 23:05:44.1	
eP 20:16:18.2	iS 06:06.7	
eS 59.3	Compression	
Dist. 390 Km	Dist. 205 Km	
eP 20:46:36.2	Jul.01 eP 09:53:18.5	
Distant shock	1967 Distant shock	
29 iP 11:12:53.7	eP 10:23:14.5	
iS 13:01.3	eS 47.5	
Dilatation	Dist. 310 Km	
Dist. 55 Km	eP 14:28:45.5	
iP 15:46:32.8	eS 29:46	
eS 47:08.0	Dist. 585 Km	
Dilatation	eP 22:56:03.5	
Dist. 320 Km	eS 35.2	
eP 18:48:19.6	Dist. 305 Km	
Distant Shock		

 C. Gallardo
 Seismologist

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Jun. 28 eP 04:59:56.1	Jun. 29 eP 15:46:36.1	Jul. 01 eP 14:28:49.7
1967 Distant shock	1967 eS 47:11.5	1967
eP 15:00:39.0	Dist. 325 Km	
29 iP 11:12:55.7	30 iP 01:12:39.7	
iS 13:05.5	Compression	
Dilatation		
Dist. 80 Km		

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W h 73 m

Jun. 22 eP 19:07:34.1	Jun. 23 eP 16:45:46
1967 eS 59.2	1967 e(S) 47:28.5
Dist. about 230 Km	

E. Lorca
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Jun. 27 eP 15:04:40.5	Jun. 28 eP 20:00:50.7	Jun. 29 e(P) 16:34:27.0
1967 eS 05:29.5	1967 eS 57.0	1967 eS 48.0
Dist. 460 Km	Dist. 60 Km	
e(P) 21:03:37.7	e(P) 20:33:51.3	i(PKP) 16:55:38.3
eS 04:05.0	eS 34:31.8	Distant shock
		A 0.58 u; T 1.2 sec.
eP 22:59:02.2	e(P) 20:47:22.9	iP 18:46:17.1
eS 24.9	eS 48:08.8	iS 48.0
i 31.0		Compression from NNE
Dist. 200 Km	eP 22:13:22.6	Dist. 280 Km
	eS 14:26.0	
iP 23:19:55.9	Dist. 610 Km	30 eS 01:15:57.0
iS 20:34.5		
Compression from ESE	29 eP 00:03:49.5	e(P) 05:13:59
Dist. 350 Km	eS 54.0	eS 14:37.7
	Dist. 40 Km	
28 eP 07:40:50.6	e(P) 04:32:30.0	eP 05:48:05.7
eS 41:06.8	eS 49.5	eS 24.5
Dist. 130 Km		Compression from E
	e(P) 07:32:47.2	Dist. 160 Km
eP 11:23:42.4	eS 33:05.4	
i 43.2	i 06.2	eP 08:01:02
iS 24:05.1		eS 23.0
Compression from ENE	iP 09:21:24.9	Dist. about 180 Km
Dist. 200 Km	iS 29.2	
	Dilatation from NW	eP 08:23:54.4
e(P) 18:33:57	Dist. 40 Km	eS 24:16.9
e 34:00.5		Dist. 200 Km
eS 24.0	eP 15:46:42.7	eP 11:32:12.4
	Local	e 18.2
		Local

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PROVISIONAL READINGS AT ANTOFAGASTA

Jun. 30 eP	13:41:59.5	Jul. 01 e(P)	06:52:44.0	Jul. 01 eP	15:12:00
1967 eS	42:19.0	1967 eS	53:04.0	1967 eS	23.5
	Dist. 170 Km				Dist. 200 Km
(*)		eP	07:08:17.3	e(P)	17:27:14.9
iP	22:11:06.5	eS	56.5	eS	40.0
iS	26.6		Dist. 360 Km		
	Compression from NE	e(P)	08:03:06.5	eS	19:46:08.2
	Dist. 170 Km	eS	25.7		
eP	23:34:52.7	eP	13:12:23.4	eP	20:39:51.5
eS	35:17.9	eS	45.3	eS	40:10.6
	Dist. 220 Km		Dist. 190 Km		Dist. 160 Km
Jul. 01 eP	02:02:35.6	iP	14:28:26.5	eP	23:07:29.0
eS	40.7	i	34.2	e	51.3
	Dist. 90 Km	iS	29:20		
			Compression from S	e(P)	23:23:45.3
			Dist. about 510 Km	eS	51.7

Y. Franulic
Seismologist

(*) 30 eP 21:01:36.1
eS 02:02.5
Dist. 230 Km

INTERNATIONAL SEISMOLOGICAL CENTRE
ANTOFAGASTA
SEISMOLOGICAL OBSERVATORY
RICHARD GERRIT HOLLAND



INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO



Chile July 1967

PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Jul.02 eP 17:12:44.2
1967 Distant shock

03 eP 05:32:15.5
Distant shock

eP 12:46:18
eS 48:45
Dist. 13.5°

eP 13:17:54.9
eS 18:08
Dist. 110 Km

eP 13:25:29
eS 42.5
Dist. 115 Km

04 eP 06:41:33.0
eS 42:05.6
Dist. 305 Km

eP 08:12:16.5
eS 47.5
Dist. 290 Km

iP 14:18:11.8
iS 19:26
Dist. 720 Km

eP 14:39:47

eP 15:31:54.5
eS 32:59.8
Dist. 635 Km.

eP 17:15:22

eP 18:49:47.5
eS 50:06.3
Dist. 170 Km

eP 20:51:13
eS 58.5
Dist. 435 Km

eP 21:08:02
eS 13.1
Dist. 90 Km.

05 eP 03:34:43.6
eS 35:46.8
Dist. about 600 Km.

Jul.05 iP 05:20:56.6
1967 eS 21:09.6
Dist. 110 Km.

iP 11:57:47.8
iS 56.4
Dilatation
Dist. 65 Km.

iP 21:09:52.2
iS 10:06.0
Dilatation
Dist. 120 Km.

eP 22:11:15.1
Distant shock

06 eP 04:45:58.2
eS 46:13.0
Dist. 130 Km.

eP 05:28:25.0
Distant shock

eP 06:30:50.0
Distant shock

eP 12:11:32.7
Distant shock

eP 13:49:45.4
iS 50:20.2
Dist. 325 Km.

eP 18:41:25.5
Distant shock

eP 19:28:50.6
Distant shock

iP 19:36:08.8
iS 20.2
Dilatation
Dist. 95 Km.

eP 23:16:56.7
eS 17:08.8
Dist. 100 Km.
Small

C. Gallardo
SEISMOLOGIST

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Jul.03 eP 13:17:50.0	Jul.05 iP 05:21:00.5	Jul.06 eP 13:49:49.5
1967 eP 13:25:24.2	1967 eS 16.0	1967 eS 25.1
eS 35	Dist. 135 Km.	Dist. 335 Km.
Dist. 90 Km.	eP 21:09:54.6	
04 iP 14:18:07.5	eS 10:09.5	C. Gallardo
	Dist. 130 Km.	SEISMOLOGIST

PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W h 73 m

Jun.21 eP 20:15:14.6	
1967 epP 27.7	
eS 20:00	E. Lorca
Dist. about 28°	SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

Jul.06 iP 03:02:50.0	Jul.08 iS 02:33:21.4	
1967 iS 52.6	1967 iS 03:01:34.0	Cap. Iturriaga
Compression		SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Jun.17 eP 05:07:10	Jul.02 eP 17:11:56	Jul.04 eP 15:31:(00)
1967 eS 12:48	1967 eS 12:03	1967 eS 17.5
Distance about 34°	Dist. 55 Km.	On minute mark
26 eP 01:23:10	03 eP 22:46:30	Dist. 140 Km
Distant shock?	eS 42	05 eP 03:33:51
Jul.02 eP 08:27:53	Dist. 95 Km	eS 34:05
1967 eS 28:02.5	04 eP 14:17:15.3	Dist. 115 Km.
Dist. 75 Km.	eS 35	
	Dist. 158 Km.	A. Sickinger
	Felt II	SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Jul.01 ePP 23:28:59	Jul.01 eP 06:03:17.1	Jul.02 iP 23:28:21.3
1967 i 29:02	1967 i 17.5	1967 eS 56.5
eSKS 34:50	eS 57.9	i 29:01.7
eSP 38:16	Compression from E?	Compression from ESE
e 40.8	Dist. 370 Km	Dist. 310 Km
e 43:14	02 eP 17:43:14.1	eP 23:43:57.5
iSS 44:24	eS 49.6	e(S) 44:08.9
eG 54:40	Dist. 310 Km	03 eP 03:21:14.3
eR 00:00.6	eP 22:56:39.0	e(S) 54
Compression from NW	e(S) 57:13.9	Compression?
PZ 7.20 u; 12 sec.	e 14.9	
Magn. 7-7 $\frac{1}{2}$	Dilatation from NE?	
Dist. 110°		

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PROVISIONAL READINGS AT ANTOFAGASTA

Jul.03 eP	04:13:(24)	Jul.04 eP	23:13:18.7	Jul.06 iP	19:27:57.9
1967 eS	41.7	1967 eS	24.7	1967 i(PcP)	28:01.8
eP	05:30:14.1	Compression		ePP	29:42
i	16.0	Dist. 470 Km		iS	34:33
e(S)	31:40.0	05 ePKP	00:01:38.4	eSS	37:52
i	44.3	e	02:20.2	eR	40:48
i	33:22.5	PZ 0.14 u; 0.9 sec.		Compression from NE	
Compression from NNW?		eP	00:34:43.1	PZ 0.23 u; T 1.0 sec.	
PZ 0.05 u; 0.9 sec		iS	35:12.0	Mag. about 6.1	
Two shocks?		Compression from E		Dist. 45°	
eP	08:18:03.9	Dist. 260 Km.		eP	21:28:12.9
Compression		eP	05:35:18	eS	28.1
Local		eS	39.0	Dist. 120 Km	
iP	12:44:24.3	Dist. about 380 Km		eP	23:03:08.6
iS	43	eP	12:00:43.3	eS	45.9
Compression from NW		eS	55.6	Compression?	
Dist. about 160 Km		Dilatation from S		Dist. 330 Km	
eP	14:47:21.7	Dist. 90 Km		07 eP	01:23:13.3
eS	40.8	e(P)	19:56:22.3	eS	24:00.4
i	42,2	iS	41.8	Dilatation?	
Dist. 160 Km.		eP	20:28:(50.5)	Dist. 450 Km	
eP	18:35:44	e(S)	29:14	eP	18:57:40.8
eS	36:22.6	06 eP	05:40:32	i	41.2
Dist. about 350 Km		eS	52.0	eS	58:25.7
eP	19:46:37	Dist. about 170 Km		Dilatation from E	
eS	59	iP	10:21:20.3	Dist. 420 Km	
Dist. about 180 Km		iS	26.1	iP	22:14:19.1
eP	21:16:33.1	Compression from N		iS	38
eS	17:11.4	Dist. 40 Km		Compression from ENE	
Compression from ENE		eP	10:26:58.3	Dist. about 150 Km	
Dist. 340 Km.		e(S)	28:15.1	08 eP	00:01:(09.5)
04 e(P)	00:01:47	i	17.0	eS	30
e	02:33	Dist. about 760 Km		eP	06:02:(56)
eP	03:22:10.5	PZ 0.03 u; 0.5 sec.		Local	
eS	47.0	eP	13:50:(47)	eP	06:14:45.9
Dilatation		e(S)	52:00.8	e(S)	15:02.5
Dist. 330 Km.		e(SKKS)	14:08:54	eP	11:56:17.5
eP	14:20:(13.9)	eS	11:27	i	18.5
i	16.5	eSS	17:49	iS	42.7
e(S)	23:16	eG	29	Dist. 220 Km	
eP	16:12:58.0	eR	35:41	Compression	
eS	13:37.7	Dist. 110 °		eP	19:19:42.2
Dist. 360 Km.		Doubtful interpretation		eS	48.6
eP	18:30:37	(*)		Compression	
eS	31:27	eP	18:40:12.1	Dist. 40 Km	
eS		eS	46:(29)	eP	20:57:55.2
eR		eR	53	eS	58:32.6
				Dist. 340 Km	
				Jul.06 e(P)	14:58:18
				1967 eS	36.8

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PROVISIONAL READINGS AT ANTOFAGASTA

Jul.08 e(P) 21:07:13
 1967 Local

09 eP 00:38:23.0
 e(S) 52.9

e(P) 01:13:40
 Local

eP 09:11:08.9
 e(S) 37

eP 18:47:24.9
 eS 39.3
 i 39,8
 Compression
 Dist. 110 Km

Jul.09 eP 22:52:19.4
 1967 eS 40.0

Compression
 Dist. 270 Km

10 eP 00:11:(09.7)
 e(S) 29.1

eP 04:32:(32.6)
 i 34.0
 eS 39.1

eP 07:40:34.9
 eS 41:15.5
 Dist. 360 Km

Jul.10 eP 11:03:38
 1967 eS 04:06.5
 Dist. about 250 Km.

J. Frez
 SEISMOLOGIST

INTERNATIONAL SEISMOLOGICAL
 SUMMARY
 KEW OBSERVATORY
 RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO

PROVISIONAL READINGS AT PELDEHUE
33° 08' 37" S 70° 41' 07" W h 690 m

Jul.07 1967	eP Distant shock	00:08:43.7	Jul.09 1967	iP iS Compression Dist. 75 Km	09:54:45.1 54.4	Jul.13 1967	eP Distant shock	00:42:12.9
	eP eS Dist. 130 Km	01:57:21.4 36.2		eP eS Small Dist. 110 Km	16:43:42.0 44:05.0		iP eS Dist. 110 Km	04:59:02.6 15.4
	eP Distant shock	03:27:07.8		10 iP iS Compression Small Dist. 45 Km	08:47:06.5 13.0		eP Distant shock	06:22:45.0
	eP eS Dist. 295 Km	03:32:12.9 44.5		iP eS Dilatation Dist. 170 Km	08:52:53.5 53:12.3		iP iS Compression from SW Dist. 165 Km	09:41:17.2 32.4
	eP Distant shock	11:08:41.0		eP iS Dist. 155 Km	14:22:05.0 22.4		eP eS Dist. 430 Km	12:34:56.2 35:41.2
	iP iS Dilatation from SW Dist. 85 Km	14:05:24.9 35.6		eP Distant shock	19:37:48.5		eP Distant shock	14:24:50.3
	iP iS Dilatation from SW Dist. 85 Km	15:39:46.8 57.5		eP Distant shock	22:36:32.5		eP eS Dist. 780 Km	16:55:35.5 56:55.5
	eP Distant shock	22:16:33.2		11 eP eS Dist. 465 Km	02:08:04.7 53.0		eP Distant shock	22:16:51.4
	iP iS Dilatation Dist. 105 Km	22:26:18.7 31.3		eP eS Dist. 570 Km	13:13:44.8 14:43.6	14	eP Distant shock	03:23:07.6
	eP Distant shock	22:37:09.8		eP eS Dist. 320 Km	14:09:28.8 10:02.7		eP Distant shock	05:07:31.1
08	eP eS Small Dist. 145 Km	09:13:33.0 49.3		iP iS Dilatation from S Dist. 315 Km	16:50:28.8 52.2		eP eS Dist. 290 Km	12:32:23.8 54.7
	iP iS Compression from NE Dist. 150 Km	18:31:03.9 20.9		12 eP eS Dist. 295 Km	06:59:57.6 07:00:28.8		iP e e eS e Dilatation from N Dist. 415 Km	18:40:19.5 25.5 37.2 41:02.9 42:06.2
	iP iS Dilatation from SW Dist. 110 Km	20:18:43.2 56.2		eP eS Dist. 130 Km	16:57:19.5 34.6	15	eP Distant shock	15:00:23.0
	eP Distant shock	21:07:16.6		eP Distant shock	21:08:02.3		iP iS Dilatation Small Dist. 70 Km	23:02:35.2 44.1

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PROVISIONAL READINGS AT PELDEHUE

Jul.16	eP	07:20:11.6	Jul.17	eP	01:18:16.2	Jul.18	iP	15:58:54.9
		Distant shock	1967	eS	25.7	1967	iS	59:11.3
				Small			Compression	
	iP	09:14:41.8		Dist. 75 Km			Dist. 145 Km	
	iS	58.7						
	Dilatation from NE			eP	01:30:22.3		iP	20:51:06.5
	Dist. 150 Km			eS	31.1		iS	30.7
				Small			Compression	
	iP	09:43:10.5		Dist. 70 Km			Dist. 220 Km	
	iS	30.0						
	Dilatation from NE			eP	03:33:30.2		eP	22:01:16.8
	Dist. 175 Km			Distant shock			eS	54.6
							Dist. 360 Km	
	iP	18:13:38.5		eP	10:17:14.8	19	iP	08:09:31.4
	iS	58.7		Distant shock			iS	54.1
	Dilatation from E						Dilatation from S	
	Dist. 180 Km			eP	17:25:51.5		Dist. 205 Km	
	eP	23:22:22.6		eS	26:04.8			
	eS	36.5		Dist. 115 Km			eP	08:19:56.1
	Dist. 120 Km						Distant shock	
	iP	23:26:15.6		eP	18:32:29.6			
	eS	37.3		eS	59.5		eP	09:13:52.8
	Compression			Dist. 280 Km			Distant shock	
	Dist. 195 Km							
				eP	20:17:39.1			
				Distant shock				

 C. Gallardo
 Seismologist

 PROVISIONAL READINGS AT SANTIAGO
 33° 27' 11" S 70° 39' 42" W h 533 m

Jul.07	eP	03:32:16.5	Jul.09	iP	09:54:44.9	Jul.16	iP	09:43:13.6
1967	eS	50.6	1967	iS	54.5	1967	iS	35.0
	Dist. 320 Km			Compression			Dilatation	
	iP	14:05:24.3		Dist. 75 Km			Dist. 195 Km	
	eS	35.5					iP	18:13:38.5
	Dilatation		10	iP	08:47:04.1		iS	58.9
	Dist. 90 Km			e(S)	11.5		Dilatation	
				Compression			Dist. 185 Km	
	iP	15:39:45.8		eP	08:52:57.2			
08	iP	16:03:18.6	13	eP	04:58:57.8	19	iP	08:09:26.1
	e(S)	31					eS	46.4
	Compression			iP	09:46:11.3		Dilatation	
				Compression			Dist. 185 Km	
	iP	18:31:06.7	14	eP	18:40:22.5		eP	09:13:55.7
	iS	25.6					Distant shock	
	Compression		16	iP	09:14:44.6			
	Dist. 170 Km			iS	15:04.8			
	iP	20:18:38.3		Dilatation				
	iS	49.2		Dist. 180 Km				
	Dilatation							
	Dist. 90 Km							

 C. Gallardo
 Seismologist

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 PROVISIONAL READINGS AT SOMBRERO
 52° 46' 51" S 69° 14' 32" W h 73 m

 Jun.22 eP 19:07:34.1
 1967 eS 59.2
 Dist. about 230 Km

 Jun.23 eP 16:45:46
 1967 e(S) 47:28.5

 E. Lorca
 Seismologist

 PROVISIONAL READINGS AT CONCEPCION
 36° 49' 41" S 73° 02' 42" W h 46 m

 Jul.13 eP 16:54:40
 1967 eS 56
 Dist. 130 Km

 Jul.17 iP 03:32:35.0
 1967 iS 38.5
 Dist. 30 Km
 Felt 2 at Concepcion

 A. Sickinger
 Seismologist

 PROVISIONAL READINGS AT ANTOFAGASTA
 23° 42' 18" S 70° 24' 55" W h 80 m

 Jul.10 ePKP 12:20:18.6
 1967 eP 12:23:15.8
 eS 51.4
 Dist. 320 Km

 e(P) 13:32:16
 eS 39.7

 eP 17:32:44.6
 eS 33:06
 i 08.4
 Dist. about 180 Km

 eP 22:04:58.0
 eS 05:20.6
 Dist. 190 Km

 11 eP 13:33:34.1
 i 35.0
 eS 34:32.8
 Dist. 560 Km

 eP 14:53:47.4
 i(S) 54:20.2

 eP 20:51:09.0
 eS 45.5
 i 46.4
 Dist. 330 Km

 iP 22:07:01.5
 iS 06.5
 Compression from SSE
 Dist. 40 Km

 eP 22:24:04.5
 eS 40.6
 Dist. 320 Km

 12 eP 01:15:47
 eS 16:07.4
 Dist. about 170 Km

 Jul.12 eP 02:45:04.8
 1967 iS 10.2
 Dist. 40 Km

 e(P) 04:55:59.8
 eS 56:35.5
 e 36.3

 eP 18:35:24.1
 eS 36:00.2
 Dist. 320 Km

 eP 21:06:(52)
 e 07:37
 eS 11:55

 eG 13:11
 eR 15:36
 Dist. about 31°

 eP 22:35:58.4
 eS 36:32.5
 i 34.0
 Dist. 300 Km

 eP 23:13:23.1
 i(S) 37.0

 13 eP 00:40:40.6
 i(S) 58.6

 eP 06:20:40.6
 i 42.7
 eS 21:02

 Dist. about 180 Km
 Felt 3 at Chuquicamata

 eP 11:39:39.0
 e(S) 40:12.3
 i 23.2

 eP 14:22:53.0
 e(S) 25:29.3
 e(R) 26:50.7

 Compression
 Pz 0.20 u 1.0 sec.

 Jul.13 iP 16:17:44.7
 1967 iS 59.4
 Compression from ENE
 Dist. 120 Km

 eP 18:45:55.7
 eS 46:06.0
 Compression
 Dist. 80 Km

 eP 23:00:31.7
 iS 43.3
 Compression from NE
 Dist. 90 Km

 14 eP 00:24:58.0
 eS 25:33.4
 i 34.9

 Dilatation
 Dist. 310 Km
 iP 03:20:58.5
 eS 22:06.6
 Compression from NNE
 Dist. 650 Km

 iP 05:06:11.7
 i 16.7
 i(S) 30.3

 Dilatation from SSW
 Two shocks?

 eP 09:06:48.8
 i(S) 07:08.5

 eP 11:39:34.2
 eS 40:22.2
 i 23.6

 Dilatation
 Dist. 450 Km

 e(P) 18:41:(44)
 e(S) 42:43

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PROVISIONAL READINGS AT ANTOFAGASTA

Jul.14 eP 23:06:12.1
1967 iS 33.6
Dilatation from N
Dist. 180 Km

15 eP 02:03:09.6
e(S) 39.0
i 44.3

eP 03:07:20
e(S) 08:04.3
e 15

e(PK) 03:46:35.8

eP 05:03:35.3
e(S) 55.9

eP 05:25:14.1
iS 28.7
Dilatation
Dist. 120 Km

eP 06:11:48.4
e 12:20.3
e(S) 24.2
i 40.7

eP 07:23:08.3
e(S) 28

eP 10:54:17.7
eS 53.2
i 54.4
Dist. 310 Km

Jul.15 eP 15:45:20
1967 eS 40.0
i 42.4
Dist. about 190 Km

eP 17:20:25.6
e(S) 42.9

e(P) 17:50:28.2
e(S) 57.3
e 59.3
i 51:00.6

iP 21:41:21.6
eS 42:00.7
Compression from E
Dist. 350 Km

16 eP 04:26:56.0
iS 27:01.0
Dist. 40 Km

eP 07:19:00.3
iS 31.5
Dist. 270 Km

eP 09:44:33.3
Distant shock

eP 14:54:14.2
i 20.7
e 28
eS 15:04:24
eSS 07:48
eR 16:24
Dist. about 170°
Pz 0.08 u 0.9 sec.

Jul.16 eP 23:28:38.7
1967 i 39.1
eS 29:17.5
Dilatation from E
Dist. 350 Km

17 eP 10:15:53.8
i 58.3
i(S) 16:23

eP 17:21:02
e(S) 30.0

18 eP 07:39:51.2
eS 40:17.6

iP 09:42:35.9
iS 43:17.7
Dilatation from N
Dist. 390 Km

iP 12:55:06.0
eS 20.4
i 21.2
Compression from E
Dist. 110 Km

J. Frez
Seismologist

Chilo. J. S.



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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W 690 m

Jul.19 eP 14:58:49 1967 Distant shock	Jul.21 eP 17:42:34.2 1967 eS 48.7 Dist. 125 Km	Jul.22 eP 18:34:58.4 1967 eS 35:58.4 Dist. 580 Km
iP 18:43:45.1 iS 44:03.7 Dilatation Dist. 165 Km.	iP 20:20:19.7 iS 44.5 Compression Dist. 230 Km	eP 21:45:16.6 eS 46.8 Dist. 280 Km
20 iP 10:28:09.0 iS 21.5 Dilatation Dist. 105 Km.	eP 20:42:51.2 eS 43:06.1 Dist. 130 Km	23 iP 00:46:25.2 iS (44) Dilatation Dist. about 170 Km
eP 11:11:36.0 Distant shock	eP 22:58:26.5 eS 41.1 Dist. 125 Km	iP 05:18:16.1 iS 19:09.3 Dilatation Dist. 510 Km
eP 12:25:25.5 eS 45 Dist. 225 Km	22 eP 00:56:11.5 eS 27 Dist. 135 Km	eP 06:58:19.4 eS 59:55.7 Dist. 940 Km
iP 13:13:00.8 iS 40 Compression from NE Dist. 370 Km.	eP 04:10:42 eS 20:56 eR 37:14 Dist. 81,3°	C. Gallardo SEISMOLOGIST
ePKP 15:56:00 eSS 16:18:03 eG 36 eR 45:26 Dist. 145 °	iP 04:30:10.6 iS 26 Compression from NE Dist. 135 Km	
eP 16:29:47.5 eS 57.5 Dist. 80 Km.	eP 07:25:25.7 iS 56.5 Dist. 290 Km	
eP 23:23:20 eS 39.5 Dist. 175 Km Small	eP 07:57:04.6 Distant shock	
21 eP 07:28:27.8 eS 29:03 Dist. 330 Km.	iP 13:48:26.2 iS 50.4 Dilatation Dist. 220 Km	
eP 10:42:45 eS 43:24.5 Dist. 375 Km	ePKP 17:14:19.9 ePP 15:40 ePPP 18:57 eSKKS 22:36 eSP 25:10 ePPS 26:50 eSS 31:40 eSSS 37:34 eQ 44:10 eR 50:54 Dist. 120° Depth 33 Km.	
eP 11:59:51.8 eS 12:00:16.3 Dist. 225 Km.		
eP 17:02:06.8 Distant shock		

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Jul.19 iP 18:43:47.0	Jul.21 eP 11:59:48.9	Jul.23 iP 00:46:28.8
1967 iS 44:07.7	1967 eP 04:30:12.3	1967 eS 48.2
Dilatation	eS 28.9	Compression
Dist. 185 Km	Dist. 145 Km.	Dist. 180 Km
20 iP 13:13:04.4	eP 07:25:26.5	eP 05:18:12.4
eS (46)	eS 26:01.0	eS 19:13.5
Dist. about 400 km.	Dist. 325 Km	Dist. 490 Km
eP 15:55:59	eP 13:48:(29)	iP 06:58:15.7
Distant shock	iS 54.6	eS 59:48.5
21 eP 07:28:30.5		Dilatation
		Dist. 910 Km

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W h 73 m

Jul.04 eP 14:20:28.8
1967 e(S) 23:20
eG 24:02
Dist. about 13°

E. Lorca
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Jul.19 eP 08:19:02.5	Jul.23 eP 05:17:22	Jul.23 eP 06:57:26
1967 eS 20	1967 eS 32	1967 eS 37
Dist. 140 Km	Dist. 80 Km	Dist. 90 Km.
22 e 17:(30:--)	Felt II at Concepción	

A. Sickinger
SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 52' 00" S 60° 40' 50" W h 5 m

Jul.13 eP 10:21:26.8	Jul.18 eP 00:07:17.3	Jul.18 eP 17:42:52.2
1967 eS 29.3	1967 iS 18.2	1967 e 43:07.2
		eS 19.2
17 iP 03:04:27.1	iP 10:45:26.4	19 iP 10:58:15.2
iS 28.2	eS 27.8	iS 24.0
Compression		Compression

Cap. Iturriaga
SEISMOLOGIST

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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Jul.18 eP 13:33:01	Jul.20 iP 12:08:57.5	Jul.22 eP 09:25:34.8
1967 eS 35.3	1967 eS 09:40.8	1967 eS 26:13.8
Dist. 300 Km.	Compression from N Dist. 400 Km	Compression Dist. 350 Km
e(P) 14:17:25.6	eP 13:12:54.0	
e(S) 18:21	i(S) 13:30.8	
eP 17:02:23.1	Dilatation from S?	
iS 47.1		
Compression Dist. 210 Km	ePKP 15:56:13.8	
	i 19.5	
19 iP 09:12:10.5	eSS 16:19:12	
iS 59.5	eSSP 59	
Compression from ENE Dist. 480 Km.	eSSS 24:15	
	e(G) 40:06	
iP 12:30:35.9	eR 46:48	
iS 40.2	From W	
Dilatation from SSW Dist. 30 Km.	Dist. about 150 °	
e(P) 14:59:26	eP 17:58:16.9	
eS 57.0	e(S) 44.7	
	i 46.7	
eP 15:03:20.0	e(P) 19:44:37.7	
eS 35.4	eS 45:08.6	
Dist. 120 Km		
eP 18:10:05	21 eP 02:35:48	
Local	eS 36:21	
	Dist. about 290 Km	
e(P) 19:44:40	eP 12:12:29.9	
eS 45:16	eS 12:54.0	
	Dist. 210 Km	
eP 20:29:31.9	iP 16:59:30.9	
eS 46.2	i(S) 43	
Dist. 110 Km	Dilatation from N	
20 iP 00:33:13.6	iP 20:52:25.7	
i 15.6	Local	
eS 57.2	Dilatation from SW	
i 58.2		
Dilatation from SSE Dist. 410 Km	eP 21:56:46.1	
	eS 57:01.0	
iP 01:29:54.6	Dist. 120 Km	
iS 30:01.8	eP 22:06:01.0	
Compression from NNW Dist. 50 Km	e(S) 06:38.0	
	i 06:40.4	
iP 06:01:26.5	Dilatation	
eS 43.6		
Dist. 140 Km	22 eSKS 04:21:37	
Compression	eS 22:02	
	ePS 23:08	
	eSS 28:19	
	eR 29:54	
	From WSW	
	Dist. about 91°	

J. Frez
SEISMOLOGIST

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO





Chile July 1967

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W 690 m

Jul.24 eP 21:43:47.3
1967 eS 44:07.7
Dist. 185 Km
Small

Jul.27 eP 16:48:36.4
1967 iS 49:06.0
Dist. 275 Km

Jul.30 eP 22:28:47.5
1967 e 29:14.5

25 eP 07:21:32.0
Distant shock

eP 23:14:20.5
eS 34.7
Dist. 120 Km

31 eP 02:36:12.4
eS 30.2
Dist. 160 Km

eP 09:28:17.5
iS 26.6
Dist. 70 Km
Small

28 eP 16:05:20.5
eS 33.7
Dist. 110 Km

eP 05:58:58.5
eS 59:13.8
Dist. 135 Km

eP 11:18:52.1
eS 19:30.6
Dist. 365 Km

eP 22:44:41.6
Distant shock

iP 06:36:29.3
iS 39
Compression
Dist. 75 Km

eP 14:53:09.4
eS 32.6
Dist. 190 Km
Small

29 iP 00:01:42.4
eS 02:41.7
Dilatation from S
Dist. 575 Km

eP 09:22:52.3
iS 23:06.2
Dist. 120 Km

26 eP 05:40:17.5
eS 41.3
Dist. 220 Km

eP 09:00:57.7
e(S) 01:25.3

eP 10:19:10
e 19
iS 20:22.5
Dist. 705 Km

26 eP 18:45:33.5
eS 46:12.5
Dist. 370 Km

eP 10:31:43.5
eS 37:22
eR 40:42
Dist. 33°
Mag. 5.8 DGG

eP 13:56:36.6
eS 57:12.6
Dist. 340 Km

eP 20:02:31.9
eS 56.3
Dist. 225 Km.

eP 13:18:47.6
eS 19:08.5
Dist. 190 Km

eP 15:44:45.7
eS 45:00.3
Dist. 125 Km

iP 21:10:11.2
eS 39.8
Compression
Dist. 265 Km

eP 14:18:25.0
eS 42.5
Dist. 155 Km

Aug. 01 eP 01:18:20.8
e 34.5
eS 22:31.2
Dist. 23.7°

27 eP 05:57:44.0
eS 58:07.9
Dist. 220 Km

30 eP 00:08:04.0
epP 08.5
iPcP 09:54
iPPP 10:30
iS 14:32
isS 14:48
iScS 17:50
iSSS 18:24
R 20:(16)
Dist. 43°
h 25 Km.
Mag. 6.4 DGG

eP 01:34:20.1
eS 31
Dist. 90 Km

iP 10:11:20.0
iS 31.7
Dilatation
Dist. 95 Km
Small

eP 05:57:38.4
eS 57.5
Dist. 170 Km

eP 02:22:50.5
eS 23:06.9
Dist. 145 Km

iP 12:35:45.3
iS 54.9
Dilatation
Dist. 75 Km
Small

eP 08:26:49.3
Distant shock

eP 09:25:06.5

iP 15:59:22.1
iS 29.9
Dist. 60 Km
Small

eP 14:23:06.6
Distant shock

C. Gallardo
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PROVISIONAL READINGS AT SANTIAGO

33°27'11" S 70° 39' 42" W h 533 m

Jul.23 eP	21:38:15.5	Jul.29 eP	09:00:52.3	Aug.01 eP	01:18:24.3
1967 eS	56.6	1967 e(S)	01:20	1967 e	36
	Dist. 390 Km				Distant shock
24 eP	04:01:42.8	eP	10:31:47.2		
			Distant shock	eP	01:34:16.5
eP	05:25:18.8	30 eP	00:08:06.6	eS	23.5
e(S)	26:26		Distant shock		Dist. 50 Km
25 eP	11:18:56.5	eP	08:26:47.1		
			Distant shock		
27 eP	05:57:39.6	31 eP	06:36:29.1		
eS	58:02.5	eS	(38.5)		
	Dist. 210 Km		Dist. about 75 Km.		
eP	16:48:39.1	eP	09:22:48.6		
e(S)	49:13.5	eS	58.8		
			Dist. 80 Km	H. Becker	
29 eP	00:01:38.5	eP	10:19:06.6		SEISMOLOGIST
e(S)	02:19.5	eS	20:(16)		
			Dist. about 680 Km.		

PROVISIONAL READINGS AT SOMBRERO

52°46'51" W 69°14'32" W h 73 m..

Jul.20 eP 13:16:45.0
1967 e(R) 21:06

E. Lorca
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36°49'41" S 73°02'42" W h 46 m

Jul.29 eP	00:00:48	Jul.30 iP	22:08:45	Jul.31 iP	10:18:13.5
1967 eS	01:05.5	1967 iS	48	1967 iS	18.5
	Dist. 140 Km		Dist. 25 Km.		Dist. 40 Km.
					Felt II at Concepción
				A. Sickinger	
				SEISMOLOGIST	

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 5 m.

Jul.21 eP	19:07:26.4	Jul.25 iP	13:45:47.1	Jul.26 iS	07:22:19.9
1967 iS	27.0	1967 iS	48.2		Felt

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT BASE O'HIGGINS

63°19'00" S 57°54'00" W

Jul.22 iP 17:29:21
1967 i 33:03
iS 18:02:28

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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Jul. 22 1967	eP i i(S)	13:49:42.3 55.0 51:28	Jul. 23 1967	eP iS Compression from SE Dist. 210 Km	13:56:57.9 57:22.0	Jul. 24 1967	iP eS Compression from E Dist. 380 Km	16:47:29.4 48:10.2
	eP iS Dist. 100 Km	16:47:55.5 48:08.0		eP eS Dist. 140 Km	14:56:35.8 52.6		eP eS Dilatation from ESE Dist. 430 Km	17:21:44.6 22:30.2
	eP eS Dist. about 180 Km	17:00:30 01:01		eP eS Dist. 110 Km Compression from ESE	15:10:38.8 52.7		eP eS Dist. 130 Km	17:41:09.0 25.1
	e(P) e ePP eSKS e i iSP iSS eG Doubtful interpretation	17:11:46 13:36 16:27 22:40 24:16 25:18 26:05 32.3 43		eP eS Dist. 310 Km	17:56:39.8 57:15.2		eP e(S)	17:59:25.9 43.0
				eP i eS i Dilatation From E Dist. 340 Km	22:18:59.7 19:00.0 37.5 39.1	25	eP eS Dist. about 220 Km.	00:04:54 19.3
	eP e(S) e	18:02:05.3 37.3 40.8	24	iP iS Compression from NE Dist. 110 Km	00:00:02.6 16.3		eP eS Dist. 360 Km	03:20:51.2 21:30.8
	eP eS i Dist. about 430 Km	18:34:40 35:24.7 26.5		eP eS Dist. 110 Km	00:04:13.1 26.7		eP eS Dist. 90 Km	03:36:27.9 39.3
	eP eS Dist. 50 Km Compression	19:23:21.7 23:28.2		e(P) i i(S)	05:25:06 26:07.0 12.1		eP i i(S) Dilatation from ENE	07:20:04.1 04.5 50.6
23	eP e(S)	00:48:28 50:12.1		iP i(S) Compression from NNE	06:58:05.1 48.4		eP eS Dist. 330 Km	08:58:27.5 59:04.1
	eP eS i Dist. 370 Km	03:28:53.1 29:32.4 34.0		eP PZ 0.32 u; T 1.2 sec.	07:58:51.2		eP eS Dist. 130 Km	14:30:17.0 32.7
	eP iS Dist. 50 Km.	04:56:41.2 47.1		eP e(S)	11:21:08.4 22:21.2		eP Local	16:15:55.5
	eP e(S)	11:15:29.1 47.2		eP e(S)	15:51:14 34		eP e(S)	17:21:37.2 53.4
	eP eS Dist. 130 Km	13:19:20.2 36.2		eP eS Compression from E Dist. 350 Km	15:55:28.7 56:07.6		eP e(S)	17:39:21.3 31.7
							eP e(S)	20:57:28.8 58.02

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PROVISIONAL READINGS AT ANTOFAGASTA

Jul. 26 eP 01:09:51.3	Jul. 27 eP 16:49:41.8	Jul. 28 e(PKP) 20:26:32.9
1967 iS 10:28.6	1967 e(S) 51:01	1967
Dist. 340 Km		iP 21:17:17.2
Compression	iP 22:25:17.8	eS 18:02.3
e(P) 08:36:31.5	e(S) 33.2	Dilatation from E
eS 56.7	i 35.1	Dist. 430 Km
eP 12:06:02	eP 23:32:49.0	29 eP 01:18:52.0
e(S) 26.4	e(S) 33:27	i(S) 19:09.7
eP 17:23:33.1	eP 23:43:47.7	eP 01:51:56.0
e(S) 52.4	i 48.2	iS 52:09.2
iP 18:51:14.3	e(S) 44:24	Dist. 100 Km
eS 53.9	Dilatation	eP 02:22:32.8
Compression from E	eP 23:48:58.5	e(S) 43.6
Dist. 360 Km.	e(S) 49:35.9	i 47.0
eP 23:26:30.9	28 eP 05:01:40.4	Dilatation from N
eS 27:21	e(S) 02:07.1	eP 04:44:28.8
Dist. about 480 Km	i 12.1	Local
27 e(P) 04:23:28.3	eP 06:06:27.3	Dilatation
e(S) 24:19	Local	eP 06:45:37.7
eP 08:58:14.0	Compression	eS 46:11.5
e(S) 54.3	eP 09:39:56.5	Dist. 280 Km
eP 12:13:20.0	e(S) 40:17	eP 07:08:14.8
eS 50.9	eP 09:54:19.4	eS 20.3
i 55.0	eS 54.9	Compression
Dist. 260 Km	Dist. 310 Km	Dist. 50 Km
eP 15:06:36.3	eP 14:51:41.0	eP 10:16:42.4
eS 50.9	eS 52:18.8	e(S) 17:18.0
i 51.3	Dist. 340 Km	iP 10:30:23.7
Dist. 120 Km	iP 15:57:23.5	ipP 52.4
eP 15:26:53.8	iS 30.5	iPP 31:19
eS 27:09.5	Compression from N	e 34:58
Dist. 130 Km	Dist. 50 Km	iS 35:10
eP 16:24:09.8	eP 16:39:11.8	i(SS) 36:12
e(S) 35	eS 50.1	iG 37.0
	Dilatation	PZ 30.7 u 2.3 sec
	Dist. 350 Km	PZ 18.6 u 14 sec
		Depth about 140 km.
		Mag. 6.7
		Compression from N
		Dist. 30°

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PROVISIONAL READINGS AT ANTOFAGASTA

Jul. 29 eP 12:31:22.9
1967 e(S) 42.0

eP 14:08:21.0
e(S) 42.6

eP 16:34:54.5
e(S) 35:46.5
e 49.6

Dilatation

eP 17:08:01.4
iS 14.1
Dilatation from S
Dist. 100 Km

eP 20:17:32.7
eS 18:01.4
Dist. 250 Km

Jul. 29 eP 21:44:29.2
1967 e(S) 49.4

eP 23:15:51.0
e 54.1
e(S) 16:19.5

30 iP 00:06:46.1
e 53.6

iS 12:10
eSS 14:31
iR 16.3
PZ 0.16 u 1.0 sec.
Mag. 6.0
Compression
Dist. 34°

J. Frez
SEISMOLOGIST

ANTOFAGASTA SEISMOLOGICAL STATION
CHILE
RICHARD GIBBY ENGINEER

MEMORANDUM OF SIGNIFICANT EARTHQUAKES

Year	Month	Day	Time (UTC)	Latitude	Longitude	Depth (km)	Magnitude	Station
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL
1960	12	15	00:00	18.0	70.0	10	6.5	STANBUL



INTERNATIONAL SEISMOLOGICAL
 SUMMARY
 KEW OBSERVATORY
 RICHMOND SURREY ENGLAND

IMPR RIO

Chile Aug. 17⁰⁰

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Aug.02 eP 22:19:15.0	Aug.05 eP 18:50:22.4
1967 eS 32.8	1967 eS 40.0
Small	Dist. 155 Km
Dist. 160 Km	
	eP 23:04:41.0
eP 22:43:44.0	eS 05:02.8
e 47.5	Dist. 200 Km.
e(S) 46:03.5	
	06 eP 01:25:35.4
03 eP 06:36:35.0	eS 26:12.0
iS 51.6	Dist. 345 Km
Dist. about 150 Km	
	iP 02:21:04.2
eP 07:44:07.8	iS 40.8
iS 32.5	Dilatation
Dist. about 230 Km.	Dist. 345 Km
	eP 06:23:48.0
eP 12:44:44.5	eS 24:05.0
Distant shock	Dist. 150 Km
	Small
iP 15:09:53.6	eP 12:15:15.2
iS 10:10.5	Distant shock
Dist. 150 Km.	
04 eP 02:09:33.2	07 eP 14:29:06.3
eS 54.8	eS 21.2
Dist. 195 Km	Dist. 130 Km
eP 06:04:24.7	08 eP 08:56:57.0
eS 05:04.5	eS 57:30.8
Dist. 380 Km.	Dist. 320 Km
	eP 15:31:24.6
iP 14:30:08.4	eS 53.6
iS 10.5	Dist. 270 Km
Compression	
Local	
	09 eP 07:19:21.0
iP 15:58:32.3	Distant shock
iS 35.0	
Compression	eP 08:39:06.7
Local	Distant shock
05 eP 01:33:19.6	iP 09:13:09.8
iS 36.5	iS 17.8
Dist. 150 Km.	Dilatation from NW
	Dist. 60 Km
eP 05:53:34.3	
iS 54:00.7	eP 09:19:02.0
Dist. 245 Km	e(S) 37.8
eP 09:25:26.5	eP 10:52:16.8
eS 33.6	eS 53:04.7
Dist. 50 Km	Dist. 460 Km.
Small	

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Aug.03 eP 06:36:37.4	Aug.05 eP 05:53:38	Aug.06 iP 02:20:59.8
1967 iS 56.1	1967 eS 54:07.5	1967 iP 21:20:07.0
Dist. 170 Km	Dist. 275 Km.	iS 23.5
	eP 18:50:21.5	Dilatation
04 eP 06:04:28.3	eS 34.5	Dist. 145 Km.
eS 05:10.5	Dist. 110 Km.	
Dist. 400 Km.		
	06 eP 01:25:31.4	07 eP 06:30:55.5
05 eP 01:33:23.5	eS 26:05	09 iP 09:13:15.5
eS 42	Dist. 315 Km.	Dilatation
Dist. 165 Km		C. Gallardo
		SEISMOLOGIST

PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W h 73 m

Jul.29 eP 10:34:18.0	Jul.30 eP 00:10:41.0	
1967 iS 42:10.0	1967 eS 19:20	
e 43:09	eSS 23:19	
eQ 49:00	eQ 26:18	
Dist. about 58°	e(R) 29:36	
	Dist. about 63°	
	Mag. about 7.0	E. Lorca
		SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Aug. 03 eP 17:01:27.5	Aug.06 eP 02:20:43	Aug.06 eP 16:21:14
1967 eS 32	1967 eS 57	1967 eS 24
Dist. 35 Km	Dist. 115 Km.	Dist. 80 Km.
04 eP 06:03:48		
eS 54		
Dist. 48 Km		A. Sickinger
		SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Jul.27 iP 14:19:34.4	Aug.05 iP 16:37:49.1	
1967 eS 38.2	1967 iS 50.7	
	Compression	
30 iP 11:23:17.1	07 eP 12:13:22.4	Cap. Iturriaga
iS 18.4		SEISMOLOGIST
Compression		

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Jul.29 iP 00:37:43
1967 i 40:00
iS 45:23
Dist. about 59°

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

<p>Jul. 30 1967 eP 04:04:38.5 eS 05:17.1 Dist. 350 Km.</p> <p>eP 11:45:08.7 eS 50.2 Dist. 390 Km</p> <p>eP 12:41:34 eS 57.6 Dist. 200 Km</p> <p>eP 17:48:38.0 eS 49:00.8 Dist. 200 Km.</p> <p>eP 20:52:17.7 eS 48.3 Dist. 280 Km.</p>	<p>Aug. 01 1967 eP 09:23:(04) eS 34.0</p> <p>eP 09:32:04.9 eS 27.8 Dist. 200 Km.</p> <p>eP 10:59:31.5 e 32.3 iS 11:00:22.3 i 42.4 Dist. 480 Km.</p> <p>eP 15:00:22 eS 01:05.0 Dist. 400 Km.</p> <p>eP 15:50:51 eS 51:26.0 Dist. about 310 Km.</p> <p>iP 22:44:58.3 iS 45:23.0 Dist. 220 Km Compression from ESE</p>	<p>Aug. 03 1967 eP 12:42:(52.4) iS 44:47.4</p> <p>eP 13:19:31.3 eS 20:15.8 Dist. 420 Km</p> <p>eP 15:35:06.9 eS 30.8 Dist. 210 Km.</p> <p>eP 20:33:36.0 eS 34:10.7 Dist. 310 Km.</p> <p>04 iP 00:46:28.1 eS 47:07.7 i 10.1 Compression from NNE Dist. 360 Km.</p> <p>eP 05:22:43.7 eS 23:21.9 Dist. 340 Km</p> <p>eP 06:09:27.7 PZ 0.5 u T 1.2 sec.</p> <p>eP 12:55:17.2 eS 31.5 i 35.0 Dist. 110 Km</p> <p>eP 15:09:30.0 eS 10:02.8 Dist. 300 Km.</p> <p>eP 20:01:(27.2) eS 02:13.1</p> <p>eP 20:58:05.0 eS 44.3 Dist. 350 Km.</p> <p>05 eP 05:20:02 e(S) 46.6</p> <p>e(P) 06:59:56.8 eS 07:00:2^F.4</p> <p>eP 08:08:43.8 eS 09:22.2 Dist. 340 Km.</p> <p>e(P) 14:42:15.1 e 17.1 eS 39.8</p>
<p>31 iP 00:06:47.5 eS 07:28.4 Compression Dist. 370 Km.</p> <p>e(P) 06:20:29.2 i 30.2 iS 44.3</p> <p>eP 07:35:19 e(S) 36.0 i 44.2</p> <p>eP 12:03:22.3 e(S) 51.6</p> <p>eP 23:36:(01.8) eS 31.8</p>	<p>02 eP 03:10:39.2 iS 11:17.0 Dist. 340 Km.</p> <p>eP 07:38:(04.7) eS 28.7</p> <p>iP 19:22:21.4 iS 41.5 Dist. 170 Km Compression</p> <p>eP 19:57:01.2 eS 59.7 Dist. 260 Km</p> <p>iP 22:41:47.4 iS 42:12.0 Dilatation from NE Dist. 220 Km.</p>	
<p>Aug. 01 eP 01:16:32.5 ipP 43.5 eG 19:00 e(R) 19.5 PZ 0.07 u; T 1.0 Mag. 5.3</p> <p>eP 04:10:47.5 e 48.7 eS 11:19.2 Dist. 290 Km</p> <p>eP 07:04:40.7 eS 05:17.5 Dist. 330 Km</p> <p>eP 09:09:50 eS 10:06.3 Dist. about 130 Km.</p>	<p>03 iP 01:31:13.6 eS 33.1 i 33.4 Compression Dist. 170 Km</p> <p>eP 03:47:21.9 iS 29.7 Dist. 70 Km.</p>	

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PROVISIONAL READINGS AT ANTOFAGASTA

Aug.05 eP 17:18:40.3	Aug.07 eP 12:34:02.7
1967 eS 54.1	1967 eS 42.4
Dist. 110 Km	Dist. 360 Km.
06 iP 02:11:06.8	iP 18:28:14.3
eS 45.1	iS 18.4
Compression from NE	Dilatation from W
Dist. 340 Km	Dist. 40 Km
eP 04:56:52.5	eP 21:18:22.3
eS 57:33.5	eS 59.2
Dist. 380 Km	i 19:00.6
	Dist. 340 Km
eP 06:02:48.9	eP 23:49:17.0
eS 03:10.6	eS 35.0
Dist. 190 Km.	Dist. 150 Km
eP 08:08:58.2	08 eP 04:46:24.5
eS 10:11.6	eS 28.7
i 12.8	Dist. 40 Km
Dist. 710 Km.	
eP 11:20:57.5	eP 18:14:30.5
eS 21:09.6	eS 15:24.2
Dist. 100 Km.	i 24.5
	Dist. 510 Km
iP 12:13:46.6	e(P) 19:31:26
iS 14:09.9	eS 32:06.5
Compression from S	
Dist. 200 Km.	
e(P) 12:34:40.0	eP 22:38:01.7
eS 35:12.6	eS 56.8
	Dist. 530 Km.
eP 18:42:06.6	09 iP 01:07:16
eS 43.0	eS 35.1
Dist. 320 Km.	Dist. 160 Km
	Compression
eP 19:04:51.6	eP 07:17:44.4
eS 05:28.3	Dist. 330 Km
Dist. 330 Km	Distant shock
eP 19:32:50	eP 07:28:05
i 37:20.3	eS 29.2
Two shocks?	Dist. about 210 Km
eP 22:06:46.7	eP 08:39:29.1
eS 07:01.2	e 43:00.3
Dist. 120 Km	Dist. 120 Km
	Distant shock
07 eP 06:23:35.6	eP 10:46:25.8
i 36.0	eS 47:01.7
iS 55.7	Dist. 320 Km
Dist. 170 Km	
	eP 10:51:09.1
	eS 24.9
	Dist. 130 Km.

Y. Franulic
SEISMOLOGIST

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Aug.10 eP 04:23:40.0	Aug.10 eP 22:16:02.2	Aug.13 eP 23:54:14.2
1967 Distant shock	1967 Distant shock	1967 Distant shock
eP 05:04:25.6	eP 23:45:20.1	14 eP 00:01:08.5
eS 53.8	eS 38.4	eS 31.1
Dist. 260 Km.	Dist. 165 Km	Dist. 205 Km.
eP 07:41:43.0	11 iP 01:57:02.1	eP 06:28:37.2
eS 42:10.5	iS 10.7	iS 50.5
Dist. 255 Km.	Compression from NE	Dist. 115 Km
iP 07:48:12.6	Dist. 65 Km	eP 07:22:30.6
iS 35.4	eP 04:08:28.6	eS 46.7
Dilatation	eS 54.5	Dist. 140 Km
Dist. 210 Km	Dist. 240 Km.	eP 15:43:50.0
eP 08:36:00.9	iP 05:23:20.6	eS 44:22.0
eS 28.2	iS 43.5	Dist. 300 Km
Dist. 255 Km.	Compression from NW	eP 16:37:28.5
eP 09:52:38.7	Dist. 210 Km	Distant shock
eS 53:04.0	eP 17:29:39.9	eP 19:26:53.6
Dist. 235 Km.	eS 30:06.4	eS 27:19.5
iP 10:02:04.9	Dist. 245 Km.	Dist. 240 Km
iS 03:01.2	eP 19:13:59.3	iP 20:30:07.6
Compression	Distant shock	iS 28.6
Dist. 545 Km.	eP 23:23:01.8	Dilatation
eP 10:10:07.2	eS 24.7	Dist. 190 Km
eS 35.5	Dist. 210 Km	eP 22:28:41.4
Dist. 265 Km.	12 iP 01:52:22.5	i 43.9
eP 11:41:00.4	eS 55.0	eS 29:09.8
Distant shock	Dilatation	Dist. 265 Km
eP 14:24:02.2	Dist. 305 Km.	eP 23:03:21.0
eS 26.7	eP 09:52:28.5	iS 40.6
Dist. 225 Km	ePP 56:02.0	Dist. 175 Km.
eP 18:46:48.7	eS 10:02:48	Small
eS 47:10	ePPS 04:13	iP 23:40:04.0
Dist. 195 Km.	eSS 09:08	iS 10.1
eP 19:13:43.2	eQ 16:52	Local
eS 14:10.3	Dist. 82.5°	15 eP 00:19:09.5
Dist. 250 Km.	eP 12:13:25.8	Distant shock
eP 19:54:54.4	eS 42.5	eP 00:53:44.0
Distant shock	Dist. 145 Km	eS 54:13.5
eP 19:56:36.1	13 eP 06:53:03.7	Dist. 275 Km.
eS 57:45.0	Distant shock	eP 02:28:06.0
Dist. 670 Km.	eP 21:30:51.2	Distant shock
eP 20:17:28.4	eS 31:05.5	eP 03:22:55.8
Distant shock	Dist. 125 Km	eS 22.8
eP 22:02:35.0	eP 22:02:35.0	Dist. 250 Km
eS 03:09.2	eS 03:09.2	
Dist. 320 Km	Dist. 320 Km	

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PROVISIONAL READINGS AT PELDEHUE

Aug.15 eP 05:48:18.5	Aug.15 eP 20:50:26.8	Aug.17 eP 08:49:35.6
1967 eS 30.3	1967 eS 54.0	1967 Distant shock
Dist. 100 Km	Dist. 250 Km	
Small		
eP 11:32:36.5	16 eP 02:42:08.6	eP 09:34:32.8
eS 05.8	eS 31.2	Distant shock
Dist. 275 Km.	Dist. 205 Km	
eP 16:40:22.0	eP 17:50:01.7	
eS 45.0	Distant shock	
Dist. 210 Km	eP 19:38:37.7	
	Distant shock	

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Aug.10 eP 23:45:24.0	Aug.12 eP 09:52:27.3	Aug.14 iP 23:40:06.9
1967 eS 46.0	1967 Distant shock	1967 15 eP 00:53:46.2
Dist. 200 Km.		
	13 eP 20:25:57.5	eP 03:22:58.4
11 eP 01:57:03.6	Distant shock	
eS 14.1		
Dist. 85 Km.	eP 22:02:38.4	eP 05:48:14.3
		eS 22.7
iP 05:23:24.0	eP 23:54:17.2	Dist. 65 Km
Compression	Distant shock	e(P) 11:32:38.2
12 eP 01:52:24.7	14 eP 06:28:40.3	eP 16:40:23.0
eS 59.6		e(S) 48
Dist. 330 Km		

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PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Aug.09 eP 10:51:34	
1967 eS 50	
Dist. 130 Km	A. Sickinger
	SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Aug.10 eP 04:54:48.0	Aug.12 eP 10:02:30.7	Aug.14 eP 23:57:26.6
1967 iS 49.0	1967 Distant shock	1967 eS 27.7
12 eP 09:22:40.2	13 iS 02:09:16.2	15 eP 10:54:15.8
iS 23:17.6		iS 16.4
	14 eP 07:28:52.6	
	iS 53.2	16 eP 08:04:48.0
		iS 49.3

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Aug.12 eP 10:02:00	
1967 iS 30.7	

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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Aug.09 eP 17:56:53.8	Aug.11 eP 18:46:13.2	Aug.13 e(P) 14:23:03.8
1967 eS 57:13.4	1967 eS 22.8	1967 eS 24:11.1
Dist. 170 Km	Dist. 90 Km	
10 eP 00:30:45.4	12 eP 09:52:51.9	eP 15:23:34.7
i 45.8	ePP 56:36	eS 24:06.8
eS 31:19.8	ePPP 58:40	Dist. 290 Km
i 20.1	eSKS 10:03:14	eP 19:52:32.7
Dist. 310 Km	eS 52	e(S) 53:05.6
Compression	eSP 05:00	
eP 01:45:13	ePPS 28	ePKP 20:26:03.5
eS 43.9	eSS 10:12	ipPKP 30.3
Dist. about 280 Km.	eG 17	ePP 30:04.5
eP 04:25:28.4	eR 23	eSS 49:10
eS 29:10	Dist. about 91°	eG 21:06:30
eR 31	eP 18:00:07.7	Dist. 152 °
Dist. about 22°	iS 11.6	H about 250 Km.
eP 06:51:44.4	Dist. 30 Km	14 eP 08:02:23.7
e 46.1	eP 18:07:55.9	eS 47.5
eS 53:04.6	eS 08:32.5	Dist. 210 Km
Dist. 780 Km	Dist. 330 Km.	eP 08:37:06.6
eP 10:03:49	eP 18:12:48	eS 47.9
eS 05:32.9	eS 13:23.2	Dist. 380 Km
Dist. about 1000 Km.	Dist. 310 Km	eP 21:06:11
eP 10:09:15.9	eP 19:02:46.7	eS 35.0
eS 24.6	eS 03:08.1	Dist. about 210 Km
Dist. 80 Km	Dist. 180 Km.	e(P) 21:50:51.9
iP 19:56:25.3	e(P) 20:06:04.7	eS 51:05.1
eS 57:24.0	e(S) 34.3	15 eP 04:10:59.0
Dist. 570 Km	e(P) 20:46:55.1	e(S) 11:27.6
Compression	eS 47:16.3	i 31.6
iP 19:59:35.4	e(P) 21:00:25.9	iP 08:54:06.7
iS 57.4	eS 53.2	eS 58.1
Dist. 190 Km	13 eP 02:25:41	i 59.0
Compression from ENE	e(S) 26:02.5	Dist. 490 Km.
11 eP 02:39:37.2	eP 03:19:08	Compression from N
eS 58.5	eS 36.4	eP 09:30:27
i 59.2	Dist. about 250 Km	eS 31:11.1
Dist. 130 Km	eP 06:53:24.0	Dist. about 410 Km
eP 04:23:57.6	eS 36.9	e(P) 12:25:57
e(S) 24:17.9	Dist. 110 Km	eS 27:20.8
eP 15:10:34.5	eP 09:52:26	Y. Franulic
eS 11:22.0	eS 57.5	SEISMOLOGIST
Dist. 450 Km.	Dist. 280 Km	
eP 17:42:46.9	eP 13:29:48	
eS 43:21.3	eS 30:16.1	
i 22.6	Dist. 250 Km.	
Dist. 310 Km.		

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INTERNATIONAL SEISMOLOGICAL
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IMPRESO ORDINARIO

Main body of faint, illegible text, likely containing the primary data or a detailed list of seismic observations.

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Aug.17 eP 13:39:45.0	Aug.20 iP 05:43:37.5	Aug.22 eP 13:49:03.6
1967 eS 40:10.3	1967 iS 52.7	1967 eS 17.5
Dist. 235 Km.	Dilatation	Dist. 120 Km.
	Dist. 130 Km	
eP 16:24:16.8	eP 06:47:33.1	eP 15:18:38.0
eS 32.7	eS 49.9	eS 50.7
Dist. 140 Km.	Dist. 150 Km	Dist. 110 Km.
iP 18:33:43.0	eP 08:16:59.0	eP 15:50:03.8
iS 52.0	eS 21.3	eS 28.5
Dilatation	Dist. 205 Km	Dist. 230 Km.
Dist. 70 Km.		
eP 20:35:53.6	eP 12:15:53.5	iP 22:01:00.5
Distant shock	Distant shock	iS 03.2
		Local
eP 22:48:22.3	eP 12:39:51.0	23 eP 00:15:45.5
eS 43.2	eS 40:22.4	Distant shock
Dist. 190 Km.	Dist. 295 Km.	
eP 23:22:21.5	eP 15:05:25.7	eP 02:46:42.7
Distant shock	eS 06:42	Distant shock
	Dist. 745 Km.	
18 iP 10:23:06.2	21 eP 16:19:23.5	eP 05:04:13.0
iS 31.0	eS 51.7	eS 47.2
Compression	e 56.4	Dist. 320 Km.
Dist. 230 Km.	Dist. 260 Km.	
eP 14:44:53.6	22 eP 02:19:48.1	eP 07:31:50.1
eS 45:22.7	Distant shock	iS 32:54.2
Dist. 270 Km.		Dist. 620 Km.
eP 15:25:44.8	eP 07:02:42.7	iP 09:41:55.5
Distant shock	eS 58.6	iS 42:09.3
	Dist. 140 Km.	Dist. 120 Km.
iP 15:29:55.4	eP 08:32:38.9	eP 11:03:09.8
iS 30:10.3	eS 34:31.5	eS 28.1
Dilatation	Dist. 1025 Km.	Dist. 165 Km.
Dist. 130 Km.		
eP 20:32:24.5	eP 08:59:04.5	
Distant shock	Distant shock	
19 eP 15:47:54.0	iP 13:09:44.4	
Distant shock	iS 15:55	
	iR 18:51	
20 iP 04:44:17.2	Compression from SE	
iS 39.9	Dist. 41,5°	
Compression	Mag. 6.6 DGG	
Dist. 210 Km.		
	iP 13:24:47.5	
	Distant shock	
	iP 13:42:05.3	
	iS 17.0	
	Dist. 95 Km.	

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Aug.17 eP 23:22:17.6 1967 Distant shock	Aug.20 eP 15:05:30.0 1967	Aug.22 eP 08:59:05.8 1967 Distant shock
18 iP 10:23:01.0 e(S) 23.1 Compression	21 eP 02:00:35.0 eS 01:08.1 Dist. 310 Km	iP 13:42:06.2
20 iP 05:43:40.1 iS 58.3 Dilatation Dist. 160 Km	eP 03:41:47.8 e(S) 42:25.1 eP 07:52:43.5 Distant shock	C. Gallardo SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Aug.16 eP 20:40:16 1967 eS 25 Dist. 75 Km.	A. Sickinger SEISMOLOGIST	Aug.22 eP 13:09:26.3 1967 ePP 10:44 eS 15:28.8 iSS 18:17.9 eSSS 19:12.5 R 52.2 Dist. 37.5°
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PROVISIONAL READINGS AT SOMBRERO

52° 46' 51" S 69° 14' 32" W 73 m

Aug.03 eP 18:26:16.5 1967 eS 42.5 Dist. 240 Km.	I. Muñoz SEISMOLOGIST
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PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Aug.16 eP 11:06:44.8 1967	Cap. Iturriaga SEISMOLOGIST
17 iP 20:51:29.3 iS 38.8 Compression	

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 35" W h 12 m

Jul.23 iP 13:18:03.6 1967 iS 19.2 Dist. 45 Km.	Aug.15 eP 04:34:35 1967 iS 46.5 eS 18:34:07 Local	Aug.20 eP 15:07:06 1967 eS 10:51 21 eP 07:55:46 e 08:14:01 R 46 Doubtful interpretation
Aug.03 eP 21:46:43 1967 iS 58	17 eS 15:34:17 Nearby shock	22 e 10:33:27 eS 50 Near shock
06 eP 15:37:21 eS 40	18 e 10:24:40 e 25:06	eP 13:09:07 ePP 10:38 eS 13:56
12 eS 10:02:14 eSS 03:28	19 iP 01:58:00.8 iS 06.5 Dist. 50 Km Felt at Valdivia 3-4°	
13 eP 10:15:14 eS 26		

R. Schulz
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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W 80 m

Aug.15 eP 16:16:23.8	Aug.17 iP 23:20:30.3	Aug.19 eP 04:57:02
1967 e 24.8	1967 iS 47.9	1967 e(S) 25.5
eS 53.9	Dist. 150 Km	
i 58.5	Compression from ENE	e(P) 05:28:07.6
Dist. 270 Km		eS 37.7
	18 eP 02:43:08.3	eP 07:07:13
eP 17:21:22.3	eS 47.2	eS 36.8
eS 26.9	Dist. 350 Km.	Dist. about 210 Km.
Dist. 40 Km.		
e(P) 21:26:04.3	eP 15:26:02	e(P) 09:23:47
e 08.1	eS 27:19.7	e 49.7
e(S) 38.0	Dist. 750 Km.	eS 24:09.3
i 54.9		
iP 21:36:43.9	eP 15:32:31	iP 11:38:56.5
iS 48.2	e(S) 54.3	iS 39:39.5
Dist. 40 Km		Dist. 400 Km
Dilatation	iP 15:56:50.4	Compression from N
	iS 57:27.9	
eP 21:44:52.2	Dist. 340 Km	eP 18:15:17.2
eS 45:27.5	Compression from ESE	eS 46.9
Dist. 310 Km		Dist. 270 Km
16 eP 14:51:38.2	eP 17:08:09	
iS 53.1	eS 25.8	iP 22:12:51.7
Dist. 120 Km.	Dist. about 140 Km	eS 13:38.5
		i 40.7
eP 16:35:51.7	iP 20:30:56.7	Dist. 440 Km
eS 36:26.7	iS 31:20.2	Compression from ENE
Dist. 310 Km.	Dist. 210 Km	
	Compression from S	e(P) 22:57:49.2
eP 17:16:(58.3)	eP 21:26:39.8	eS 58:21.9
e(S) 17:27.9	eS 27:45.9	
	Dist. 460 Km.	20 eP 00:29:37.4
		i 37.6
17 e(P) 04:46:05.6	eP 23:39:06	eS 30:21.4
eS 37.8	eS 32.8	Dist. 410 Km.
eP 49:06.0	Dist. 240 Km.	
i 09.9		e(PKP) 02:21:50.1
i 12.2	19 eP 00:52:25.0	i 57.8
eS 28.3	eS 53:11.2	
i 53.2	Dist. 430 Km	eP 05:13:29.4
i 50:02.3		iS 35.7
Two shocks?	eP 02:07:08.1	Dist. 50 Km.
	Local	
eP 10:33:34	eP 02:57:11.7	eP 07:45:18.7
eS 34:28.0	eS 30.6	eS 25.1
Dist. about 510 Km.	Dist. 160 Km.	Dist. 50 Km.
eP 17:51:17.5	eP 04:23:00	eP 13:45:47.4
eS 53.6	eS 24.6	eS 46:23.8
Dist. 320 Km	Dist. about 220 Km.	Dist. 320 Km.
eP 21:09:08.1	eP 04:35:20	iP 15:04:07.6
eS 14.2	eS 36:02.0	iS 30.4
Dist. 50 Km	Dist. about 390 Km.	Dist. 200 Km
		Compression from SE

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PROVISIONAL READINGS AT ANTOFAGASTA

Aug. 20 e(P) 20:05:49.2
1967 eS 11:56
eG 14:46
eR 16:22
MH 13.8 u T 20 sec.
Mag. 5.6
Dist. about 40°

eP 22:42:56.5
eS 43:33.1
Dist. 330 Km.

21 eP 05:07:07.3
eS 36.1
Dist. 260 Km.

eP 05:13:14.9
e(S) 53.7

Aug. 21 eP 05:20:17.2
1967 eS 27.9
Dist. 100 Km.

iP 06:11:19.8
i(S) 37.7
i 45.2

eP 08:00:57.8
eS 01:18.7
i 25.3
Dist. 180 Km.

ePKP₁ 07:52:51.7
ePKP₂ 53:28
ePP 57:04
eSKKS 08:03:24
eSKSP 07:24
ePPS 10:20
eSS 17:00
eSSP 18:00
eSSS 23:10
eG 37.0
eR 46:00
Dist. about 157°

Aug. 22 iP 13:10:47.4
1967 iS 17:52
i(ScS) 20:44
iSS 21:24
iR 25:10
Compression from S
PZ 0.13 u T 0.7 sec.
Mag. 6.0
Dist. about 50°



Y. Franulic
SEISMOLOGIST

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Aug. 23 1967	eP 13:32:53.1 Distant shock	Aug. 26 1967	iP 00:56:16.1 ePP 59:48 ePPP 01:01:34 ePS 07:52 eR 19:06 Dist. 86.5° Dilatation from SE	Aug. 27 1967	eP 18:00:24.4 eS 43 Dist. 165 Km. eP 19:51:58.7 eS 52:11.5 Dist. 110 Km.
	iP 15:59:08.7 iS 20.5 Compression from NW Dist. 100 Km.		eP 01:12:54.1 Distant shock	28	iP 01:01:13.1 Dilatation Distant shock
	iP 19:57:50.0 eS 58:14.5 Compression Dist. 225 Km.		iP 02:26:43.3 Dilatation Distant shock		
24	eP 01:20:59.3 Distant shock		eP 03:49:32.9 Distant shock		
	iP 08:56:53.6 eS 57:16.1 Compression Dist. 205 Km.		eP 05:44:51.5 Distant shock		
	eP 18:38:36.8 Distant shock		eP 06:06:24.4 Distant shock		
	eP 20:36:03.4 Distant shock		eP 08:14:33.5 Distant shock		
	eP 22:08:22.5 Distant shock		eP 10:44:47.6 Distant shock		
25	iP 06:58:41.0 iS 57.1 Dilatation from NW Dist. 140 Km.		iP 20:36:08.7 eS 38.8 Compression Dist. 280 Km		
	eP 18:34:06.6 e(S) 40		eP 21:34:26.9 Distant shock		
	iP 18:48:25.3 iS 39.6 Compression Dist. 125 Km.	27	iP 04:19:23.0 iS 31.7 Dilatation Small Dist. 65 Km.		
	eP 23:13:52.0 Distant shock		eP 13:17:14.1 Distant shock		
	iP 23:18:22.1 Distant shock Compression		eP 13:58:30.5 i 34.5 eS 58.5 Dist. 260 Km.		
26	iP 00:26:27.1 eS 46.4 Compression Dist. 175 Km. Small		eP 14:36:26.9 Distant shock		

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PROVISIONAL READINGS AT SANTIAGO,

33° 27' 11" S 70° 39' 42" W h 533 m

Aug. 23 1967	iP i(S)	15:59:10.5 27.5	Aug. 26 1967	iP Dilatation Distant shock	00:56:15.4	Aug. 26 1967	eP Distant shock	08:14:32.2
							iP	20:36:11.9
24	iP iS Compression Dist 180 Km.	08:56:49.5 57:09.7		e(P) Distant shock	01:12:53	27	iP iS	04:19:20.9 27
				eP Dilatation Distant shock	02:26:42.5		Dilatation Small Dist. 40 Km.	
25	iP iS Dilatation Dist. 155 Km.	06:58:42.5 59:00		e(P) Distant shock	05:44:50.5	28	iP Dilatation Distant shock	01:01:15.5
				e(P) Distant shock	06:06:23.5			
26	eP iS Dist. 200 Km. Small	00:26:30.5 53					C. Gallardo SEISMOLOGIST	

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Aug. 28 1967
30 eS
Distant shock

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 35" W h 12 m

Aug. 27 1967	eS Nearby shock	20:56:18	Aug. 29 1967	eP iS Dist. 160 Km.	11:04:02 22	Aug. 29 1967	eP eS Dist. 140 Km.	15:34:15 32
29	eP eS Dist. 160 Km.	10:48:17 37		eP eS Dist. 140 Km.	15:31:26 43		R. Schulz SEISMOLOGIST	

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Aug. 22 1967	eP eS e Dist. about 340 Km.	16:43:49 44:26.7 49.9	Aug. 23 1967	eP eS i Dist. 700 Km.	00:10:25.1 11:07.6 34.8	Aug. 23 1967	eP eS i Dist. 410 Km.	02:20:12.1 56.5 21:25.0
	iP eS Compression from E Dist. 350 Km.	20:19:22.5 20:01.5		iP eS Compression Dist. 350 Km.	00:51:30.4 52:09.1		eP iS Dist. 400 Km.	02:41:24.2 42:07.6
	eP i eS Dist. 450 Km.	20:32:03.8 04.3 51.7		eP eS Dist. 260 Km.	01:08:05 34.3		eS	08:42:46.4

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PROVISIONAL READINGS AT ANTOFAGASTA

Aug. 23 eP 09:26:54.1	Aug. 23 eP 19:34:07.1	Aug. 24 e(P) 20:35:50
1967 eS 31:00	1967 eS 13.5	1967 eS 36:37.9
eR 32.2	Dist. 50 Km.	e 58.8
PZ 0.26 μ ; T 1.0 sec.		
Mag. about 6	24 iP 01:25:43.4	e(P) 22:08:53.1
Dist. 23°	iS 26:15.4	eS 10:19.2
	i 18.9	
e(P) 13:32:05	Compression from WSW	25 eP 02:53.6
i 07.1	Dist. 290 Km.	eS 54:07.6
eS 40.6		
i 42.8	iP 01:59:45.1	eP 03:37:06.1
Compression from SSE	iS 54.0	i 07.3
	Compression from SE	eS 32.4
eS 17:16:41.9	Dist. 80 Km.	Dist. 230 Km.
eP 19:33:26.1	eP 05:33:04.0	e(P) 09:06:16.2
eS 32.5	e 06.8	eS 44.5
Dist. 50 Km.	i 07.1	
	eS 21.6	
	i 31.8	
	Dist. 150 Km.	

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INTERNATIONAL SEISMOLOGICAL CENTRE
RICHMOND GURRY BUILDING
WILLOW ROAD
SURREY ENGLAND

Sancti Spiritus, Chile

Observatorio de Chile
Servicio de Geofísica y Probetas

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INVESTIGACIONES DE SISMOS

No.	Fecha	Horario	Distancia	Profundidad	Observaciones
1	1967	13:34:07.1	13.3		
2	1967	01:22:43.4	18.9		
3	1967	01:22:43.4	18.9		
4	1967	01:22:43.4	18.9		
5	1967	01:22:43.4	18.9		
6	1967	01:22:43.4	18.9		
7	1967	01:22:43.4	18.9		
8	1967	01:22:43.4	18.9		
9	1967	01:22:43.4	18.9		
10	1967	01:22:43.4	18.9		
11	1967	01:22:43.4	18.9		
12	1967	01:22:43.4	18.9		
13	1967	01:22:43.4	18.9		
14	1967	01:22:43.4	18.9		
15	1967	01:22:43.4	18.9		
16	1967	01:22:43.4	18.9		
17	1967	01:22:43.4	18.9		
18	1967	01:22:43.4	18.9		
19	1967	01:22:43.4	18.9		
20	1967	01:22:43.4	18.9		

INTERNATIONAL SEISMOLOGICAL
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KEW OBSERVATORY
RICHMOND SURREY ENGLAND

UNIVERSIDAD DE CHILE
 Departamento de Geofísica y Geodesia



 Casilla 2777
 Santiago, Chile

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Aug.28 eP 18:22:56.8 1967 eS 28.4 Dist. 295 Km.	Aug.31 eP 17:20:33.0 1967 Distant shock	Sep.04 eP 17:41:01.5 1967 eS 30.5 Dist. 270 Km.
iP 22:06:11.9 iS 35.8 Dilatation Dist. 220 Km	eP 21:23:37.8 eS 49.7 Dist. 100 Km Small	eP 20:37:13.6 Distant shock
29 eP 03:56:01.4 Distant shock	iP 22:57:32.0 iS 45.5 Dilatation Dist. 115 Km. Small	eP 21:19:22.5 iS 34.4 Dist. 100 Km.
eP 10:49:15.5 Distant shock	iP 23:03:05.0 eS 25.2 Compression Dist. 180 Km.	iP 22:08:13.8 Distant shock Dilatation from NE
iP 20:58:51.8 iS 59:15.7 Compression Dist. 220 Km.	eP 23:59:10.9 eS 38.3 Dist. 255 Km.	05 eP 13:29:45.1 Distant shock
30 eP 04:42:13.0 ePP 43:40 eS 47:30 Dist. 33°	Sep.01 iP 00:45:46.3 1967 Dilatation	iP 16:03:34.1 iS 52.9 Dilatation Dist. 170 Km.
iP 07:19:01.7 i(S) 27 Dilatation	iP 08:22:46.4 eS 23:10.0 Dilatation Dist. 215 Km.	eP 23:20:27.0 eS 49.5 Dist. 205 Km.
31 iP 02:48:08.0 iS 19.5 Compression Dist. 95 Km.	eP 08:36:13.8 eS 54.6 Dist. 390 Km.	06 eP 03:27:39.5 eS 49.7 Dist. 80 Km. Small
eP 03:08:24.7 eS 41.3 Dist. 145 Km	eP 23:01:35.2 Distant shock	eP 07:50:04.5 Distant shock
eP 06:40:47.2 eS 41:03.8 Dist. 150 Km.	02 No records	eP 08:47:26.2 eS 45.3 Dist. 170 Km.
	03 No records	

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Aug.28 iP 22:06:15.0 1967	Aug.31 iP 02:48:09.4 1967 iS 22.7 Dilatation Dist. 115 Km.	Sep.03 eP 08:09:50.2 1967 eS 10:22.1 Dist. 300 Km.
29 eP 03:55:57.2 Distant shock	iP 23:57:30.0 iS 41.1 Compression Dist. 90 Km.	iP 12:09:57.1 Distant shock
30 eP 04:42:15.3 ePP 43:39 eS 47:30.6 Dist. 33°	Sep.01 iP 00:45:43.9 1967 Dilatation	iP 21:12:45.8 eS 17:03.3 Dist. 23°
iP 07:18:57.5 Dilatation		

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PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00" W h 12 m

Sep.03 eP 21:13:34
1967 eS 18:20
Dist. 3.200 Km.

R. Schulz
SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Aug.30 iP 21:12:42.3
1967 iS 45.4
Compression

Aug.31 iP 00:15:50.0
1967 iS 51.0
Compression

Sep.03 eP 09:10:03.1
1967 eS 06.8

eP 21:16:54.3
Distant shock

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Sep.03 iP 21:16:54
1967 i 24:43
iS 34:33.7

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Aug.25 eP 18:33:40.5
1967 i 53.9
eS 56.5
i 34:03.0
Dist. 130 Km.

Aug.26 eP 02:26:51.5
1967 Distant shock

Aug.30 iP 00:33:22.1
1967 eS 37.0
i 44.9
Compression from E
Dist. 120 Km.

eP 19:12:48.0
eS 13:10.6
Dist. 200 Km.

iP 10:47:12.1
eS 48.8
Dist. 330 Km.
Compression from E

From 8-26-67 at 13:11 hrs.
to 8-29-67 at 15:02 no
records. Electric power
failure.

iP 01:50:33.2
iS 40.9
Compression from SSE
Dist. 70 Km.

eP 23:18:33.8
PZ 0.9 u T 1.0 sec.

ePKP₁ 04:42:13.6
ePKP₂ 43:25.2
e 47:08

26 ePKP 00:56:24.9
i 28.1
ePP 59:54
ePPP 01:03:26
eSS 19:20
ePSS 20:10
eG 38:44
eR 45:36
Dist. about 150°

29 e(P) 16:46:12.6
e 19.1
iS 47:19.1
Two shocks?

ePP 16
eSKS 49:00
ePPP 51:22
ePPS 05:01:04
eSS 08:04
eG 30:08
e(R) 44.5
Dist. about 170°

iP 01:04:50.5
iS 05:29.4
Dist. 350 Km.
Compression from NE

eP 18:37:31.8
e(S) 39:08.8
iP 20:07:31.6
eS 54.8
Compression
Dist. 200 Km.

iP 05:01:52.7
eS 02:39.8
Dilatation
Dist. 440 Km.

eP 21:02:11.1
eS 21.7
Dist. 90 Km.
Compression from E

PROVISIONAL READINGS AT ANTOFAGASTA

The following records belong to the Bulletin N° 29 - 67. They were not included on it by error.

Aug. 30 eP 09:31:31.5
1967 eS 32:09.2
Dist. 355 Km.

e(P) 10:41:03.5
eS 30.0

iP 14:24:09.7
iS 14.6
Compression from S
Dist. 40 Km.

iP 17:29:50.2
i 53.7
iS 31:10.1
Dist. 700 Km.
Compression from SW

31 eP 01:16:25
eS 17:01.5
Dist. 320 Km.

iP 12:39:16.9
iS 51.5
Compression from ESE
Dist. 320 Km.

Sep. 01 eP 01:08:22.9
eS 43.4
i 44.9
Dist. 180 Km.

eP 03:21:55.0
eS 22:15.1
Dist. 170 Km.

iP 10:10:19.4
e(S) 33.8
i 39.4
Compression from SW

eP 17:31:04.5
eS 33.5
Dist. 260 Km.

iP 20:35:45.7
eS 36:25.6
Dist. 360 Km.
Compression from NE

02 eP 03:19:01.5
eS 21.3
Dist. 170 Km.

e(P) 07:56:26
e 30.3
eS 53.5

Sep. 02 eP 08:50:44.4
1967 eS 51:02.2
Dist. 150 Km.

iP 12:17:33.8
iS 57.8
Compression from SSW
Dist. 200 Km.

eP 14:01:57
iS 02:20.0
Dist. about 200 Km.

eP 14:19:28.2
eS 48.2
Dist. 170 Km.

eP 18:24:47.4
eS 25:07.4
Dist. 240 Km.

eP 18:44:06
eS 33.8
Dist. about 240 Km.

e(P) 23:07:01.5
e 15.9
e(S) 18.3

03 iP 00:39:36.8
iS 44.4
Dist. 70 Km.
Compression from N

eP 02:07:27
eS 08:00.0
Dist. about 300 Km.

e(P) 04:27:30.3
eS 28:10.6

eP 04:30:(01.5)
e(S) 18.4

iP 12:08:48.4
iS 09:07.4
Dilatation from SSW
Dist. 160 Km.

eP 16:39:33.8
eS 59.5
Dist. 230 Km.

eP 19:19:32
e(S) 49.9

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Aug. 21 iP 18:35:26.5
1967 eS 36:03.9
Dist. 330 Km.
Compression from E

iP 23:35:07.6
iS 13.4
Dist. 50 Km.
Dilatation from WSW

eP 23:42:43.5
eS 43:22.4
Dist. 360 Km.

22 iP 02:18:28.6
i 30.5
iS 52.2
Compression from S
Dist. 210 Km.

eP 08:56:53.0
i 55.1
iS 57:55
Dist. about 600 Km.

e(P) 10:28:53.2
eS 29:34.1

iP 09:47:55.7
iS 48:18.2
Dist. 200 Km.
Compression from SE

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO



Chile Sept 67

UNIVERSIDAD DE CHILE
Departamento de Geofísica y Geodesia

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Casilla 2777
Santiago, Chile

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Sep.06 1967	iP eS	15:21:00.8 21.3	Sep.09 1967	eP eS	09:18:26.1 34.7	Sep.11 1967	iP iS	06:29:08.6 21.5
	Compression Dist. 185 Km.			Dist. 65 Km. Small			Dilatation Dist. 110 Km. Small	
07	eP eS	07:09:26.2 10:23.6		iP iS	10:08:48.1 10:16.0		eP	08:27:57.2
	Dist. 555 Km.			Dist. 860 Km. Dilatation from NE			Distant shock	
	eP	07:31:46.8		eP	15:03:31.0		eP	19:19:17.7
	Compression Distant shock			Distant shock			Distant shock	
	eP	12:00:08.2		eP	17:00:51.5	12	iP	04:51:19.2
	eS	24.5		eS	07:52		iS	29.0
	Dist. 145 Km.			eSS	11:36		Compression Dist. 80 Km.	
	eP	21:41:48.7		eR	15:16		iP	09:03:34.5
	Distant shock			Dist. 49°			eS	50.9
	eP	21:53:47.7		iP	17:23:55.3		Dist. 145 Km.	
	Distant shock			iS	24:15.8		Dilatation Small	
08	eP	07:20:55.0		Compression Dist. 185 Km. Small			eP	10:19:48.2
	eS	21:19.6					Distant shock	
	Dist. 225 Km.		10	eP	10:26:17.3		eP	10:48:55.7
	iP	08:07:19.4		eS	34.6		Distant shock	
	iS	30.4		Dist. 155 Km. Small			eP	11:50:49.0
	Dilatation from SW Dist. 90 Km.						Distant shock	
	eP	09:02:13.7		eP	10:28:21.5		Distant shock	
	eS	04:28.0		Distant shock			iP	12:41:10.5
	Dist. 12°			eP	10:50:09.6		iS	13.2
	eP	22:57:14.1		eS	32.6		Compression Local	
	Distant shock			Dist. 210 Km.			eP	22:45:07.5
09	iP	08:56:58.6		eP	10:58:06.9		Distant shock	
	Compression Distant shock			eS	33.3			
				Dist. 245 Km.				
				eP	17:14:01.7	13	eP	00:34:05.7
				eS	25.4		iS	23.3
				Dist. 215 Km.			Dist. 155 Km. Small	

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PROVISIONAL READINGS AT SANTIAGO.

33° 27' 11" S 70° 39' 42" W h 533 m

Sep.07 eP 1967 e	07:09:29.8 10:32.5	Sep.08 eP 1967	09:02:17 Distant shock	Sep.09 eP 1967	17:00:50 Distant shock
iP Compression Distant shock	07:31:46.0	eP Distant shock	22:57:14.3	13 eP eS Dist. 165 Km.	00:34:09.8 28.3
P.C. iP iS Dist. 85 Km. Dilatation	08:07:15.9 26.6	09 iP Compression Distant shock P.C. iP eS Dist. 9,14° Dilatation	08:56:58.0		

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PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Sep.07 eP 1967 iS	14:02:29.6 31.2	Sep.08 eP 1967	21:33:37.3		
08 eP	18:19:10.9	13 iS Distant shock	20:01:50	Cap. Iturriaga SEISMOLOGIST	

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Sep.09 iP 1967 iS	10:20:08.6 21:25.7	Sep.09 eP 1967 eS	17:05:05.5 08:05.2		
	Dist. about 888 Km.		Dist. about 1888 Km.		

PROVISIONAL READINGS AT VALDIVIA.

39° 47' 24" S 73° 16' 00" W h 12 m

Sep.07 e 1967 eS	20:41:06 31	Sep.08 eP 1967 eS	08:08:28 09:33	Sep.09 eS 1967 e	17:06:38 10:40
eS	20:45:19		Dist. 610 Km.		Doubtful interpretation Distant shock
e	20:53:21	09 iP iS Dist. 1600 Km. Compression	10:09:49.3 12:21.8		

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PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m.

<p>Sep.03 1967 iP 21:11:12.1 i 53.3 iS 13:50 Dilatation from NNW PZ 63.6 u T 8 sec. Mag. about 7 Dist. about 15°</p>	<p>Sep.06 1967 iP 19:37:44.4 iS 38:05.9 Compression from S Dist. about 180 Km. eP 20:39:50.6 eS 40:10.2 i 17 Dist. 170 Km. eP 23:04:07.9 eS 23.3 Dist. 120 Km.</p>	<p>Sep.08 1967 iP 09:06:56.8 iS 07:02.7 Dilatation from NNW Dist. 50 Km. iP 09:20:27.2 iS 33.4 Compression from NW Dist. 50 Km. eP 09:15:54.9 iS 16:01.0 Dist. 50 Km. eP 09:23:59.8 iS 24:06.0 Dilatation from NNW Dist. 50 Km. eP 09:59:12.6 eS 18.6 Dist. 50 Km. eP 11:17:11.1 iS 17.2 Dist. 50 Km. iP 13:22:23.7 iS 29.8 Dilatation Dist. 50 Km. eP 13:59:57.3 iS 14:00:03.1 Dist. 50 Km. eP 14:22:10.6 e 11.6 eS 31.1 Dist. 180 Km. eP 18:01:55.7 eS 03:03.0 Dist. 650 Km. iP 19:15:12.7 iS 18.6 Compression from NW Dist. 50 Km. eP 20:52:58 e 53:02.8 Local iP 22:01:21.9 iS 27.7 Dilatation from NW Dist. 50 Km.</p>
<p>04 eP 03:19:08.0 eS 20:01.5 Dist. about 520 Km. eP 06:39:07.8 eS 28.9 Dist. about 180 Km. iP 22:08:12.5 iS 09:50.5 Dilatation from SE Dist. about 960 Km.</p>	<p>07 eP 07:10:(03.5) e(S) 11:41.1 i(PKP) 07:32:00.4 eP 08:07:40.1 eS 08:06.1 Dist. 230 Km. eP 11:08:34 eS 48.5 Dist. about 120 Km. eP 13:37:24.8 i 32.4 iS 44.2 Dist. 160 Km. eP 15:08:13.4 eS 34.5 Dist. 180 Km. eP 23:19:40.1 eS 20:26.9 Dist. 450 Km.</p>	
<p>05 eP 03:58:47.6 Local iP 11:36:06.9 eS 15.2 Compression from N Dist. 70 Km. iP 13:27:40.4 iS 46 Compression from SW Dist. about 50 Km. Felt III at Antofagasta eP 21:02:29.9 iS 35.6 Dist. about 50 Km.</p>		
<p>06 eP 04:41:46.2 eS 42:26.5 Dist. about 360 Km. eP 07:56:42.5 eS 57:07.1 i 09.9 Dist. about 220 Km. eP 12:30:04.8 eS 41.0 Dist. about 320 Km. iP 17:30:45.9 iS 50.7 Dist. about 40 km. Compression from SW</p>	<p>08 eP 02:51:10.1 eS 31.3 i 33.3 Dist. 180 Km. e(P) 03:55:37.8 Distant shock? eP 08:09:39.7 e(S) 11:36.8 eP 08:34:50.5 eS 35:05.0 Dist. 120 Km. iP 09:00:09.3 iS 16 Dist. about 60 Km. Dilatation from NW</p>	

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PROVISIONAL READINGS AT ANTOFAGASTA

Sep.08 ePKP 22:57:26.9	Sep.09 ePKP 15:03:43.2	Sep.10 eP 01:58:53.2
1967 eSS 23:20:20	1967 eP 16:01:12.7	1967 i 53.7
eG 39:20	i 13.0	eS 59:34.5
eR 46:--	iS 26.4	Compression
Dist. about 250°	Dist. 110 Km.	Dist. 370 Km.
09 iP 02:32:02.9	eP 16:59:22	eP 02:24:04.7
eS 15.4	e(S) 56.0	eS 10.9
Dist. 110 Km		Dilatation
Compression from NE	eP, 17:01:(42.4)	Dist. 50 Km.
eP 03:27:26.8	e 47.5	eP 06:25:04.0
iS 32.8	iS 09:42	eS 10.1
Dist. 50 Km.	iG 16:04	Dist. 50 Km.
ePKP 08:57:10.1	eR 18:16	eP 11:58:25
iP 10:08:40.1	Dist. about 60°	e(S) 56.5
iS 10:08	10 eP 01:39:43.4	
iScP 16:53.0	eS 40:05.8	
iScS 20:26.2	Dist. 190 Km.	
Dilatation from SE		
H about 600 Km		
Dist. about 7°		

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INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO

Chile Sept. '67

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Sep.13 eP 14:36:47.3	Sep.15 iP 11:19:14.5	Sep.17 eP 02:31:34
1967 iS 37:18.5	1967 iS 31.0	1967 eS 50
Dist. 290 Km.	Dilatation	Dist. 140 Km.
iP 18:23:21.8	Dist. 145 Km	eP 06:38:09.1
iS 32.3	Small	eS 39:10
Compression	eP 17:32:15.4	e 36
Dist. 85 Km.	eS 29.3	Dilatation from NW
eP 20:04:47.3	Dist. 120 Km.	Dist. 590 Km.
Distant shock	iP 17:52:33.7	eP 08:05:50.5
iP 21:09:05.2	eS 57.2	Distant shock
iS 22.1	Dilatation from NE	eP 10:08:45
Compression	Dist. 215 Km.	eS 09:07.5
Dist. 150 Km.	eP 18:04:30.5	Dist. 205 Km.
eP 21:55:03.1	eS 46.3	eP 20:18:32.3
eS 46.0	Dist. 140 Km.	eS 49
Dist. 410 Km.	eP 18:09:(23)	Dist. 145 Km.
iP 23:12:13.2	eS 46.6	eP 20:45:51.4
eS 30.4	Dist. about 215 Km.	eS 46:11.5
Dist. 150 Km.	eP 18:19:54.5	Dist. 180 Km.
14 iP 03:46:31.2	eS 20:07.2	eP 23:19:46.5
iS 42.7	Dist. 105 Km.	eS 20:09
Dilatation	eP 23:45:49.6	Compression
Dist. 95 Km.	eS 46:39.2	Dist. 205 Km.
eP 04:10:20.4	Dist. 475 Km.	18 iP 01:19:56.5
Distant shock	16 eP 02:29:09.5	eS 20:19
iP 12:11:35.1	eS 31.5	Dist. 205 Km.
iS 12:08.9	Dist. 200 Km.	iP 02:30:57.5
Dilatation	eP 03:01:48.5	iS 31:14.3
Dist. 320 Km.	eS 02:12	Compression
eP 13:08:25.2	Dist. 215 Km.	Dist. 150 Km.
eS 51.8	eP 13:14:27.4	eP 06:13:25
Dist. 245 Km.	eS 15:12	eS 48.8
eP 14:23:19	Dist. 425 Km.	Dist. 220 Km.
eS 29:10	eP 20:15:13.6	eP 06:18:36.1
eR 33:30	e 16.3	eS 19:03.5
Dist. 37.5°	eS 51	Dist. 355 Km.
eP 20:35:00.6	Dist. 355 Km.	eP 06:26:42.5
Distant shock	17 eP 01:36:45.1	eS 27:23.5
15 iP 02:00:11.8	eS 37:08	Dist. 390 Km.
eS 28.5	Dist. 210 Km.	eP 06:29:41
Dist. 145 Km.	eP 01:52:05.7	eS 30:05
Small	eS 09.7	Dist. 220 Km.
	Dist. 10 Km.	

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PROVISIONAL READINGS AT PELDEHUE

<p>Sep.18 eP 07:01:26 1967 eS 02:04.5 Dist. 365 Km.</p> <p>eP 07:23:06.5 eS 32.5 Dist. 240 Km.</p> <p>eP 07:44:44.5 eS 45:07.2 Dist. 205 Km.</p> <p>eP 07:51:43 eS 52:09.5 Dist. 245 Km.</p> <p>eP 08:49:13.3 eS 37.2 Dist. 220 Km.</p> <p>ePKP 15:52:09 Distant shock</p> <p>eP 17:10:51.5 eS 57.8 Dist. 40 Km. Local</p> <p>eP 18:43:50.5 eS 45:37.2 Dist. 10°</p> <p>eP 23:07:09.4 eS 32 Dist. 205 Km.</p> <p>eP 23:15:42 eS 16:06.7 Dist. 225 Km.</p> <p>eP 23:25:12 eS (34.5) Dist. about 205 Km.</p> <p>eP 23:45:20.5 eS 50.8 Dist. 285 Km.</p> <p>eP 23:56:04 eS 29.5 Dist. 235 Km.</p> <p>19 eP 00:00:14 eS 39 Dist. 230 Km.</p> <p>eP 00:06:43.5 eS 07:38.6 Dist. 530 Km.</p>	<p>Sep.19 eP 01:48:47.5 1967 eS 49:10.9 Dist. 215 Km.</p> <p>eP 04:45:35.2 eS 56.5 Dist. 195 Km.</p> <p>eP 11:15:51.4 e 38:43 Distant shock</p> <p>eP 12:53:06.3 eS 59:22 e 02:-- eR 13:04:52 Dist. 42.5°</p> <p>eP 18:25:24.8 eS 38.5 Dist. 115 Km.</p> <p>eP 21:29:30 eS 53.5 Dist. 215 Km.</p> <p>eP 23:21:40.7 eS 47.2 Dist. 40 Km.</p> <p>20 eP 18:57:55 eS 58:19 Dist. 220 Km.</p> <p>eP 19:04:36 eS 05:20 Dist. 420 Km.</p> <p>eP 21:09:10.3 eS 40.2 Dist. 280 Km.</p> <p>21 eP 03:03:14 eS 27 Dist. 110 Km.</p> <p>eP 03:06:43.5 eS 07:10 Dist. 245 Km.</p> <p>iP 03:42:11.0 iS 34 Compression Dist. 210 Km.</p> <p>eP 04:52:26.8 eS 54 Dist. 250 Km.</p> <p>eP 04:56:50.2 eS 57:16 Dist. 240 Km.</p>	<p>Sep.21 eP 05:03:(26.5) 1967 eS 52.5 Dist. about 240 Km.</p> <p>eP 05:06:03.0 eS 25.5 Dist. 205 Km.</p> <p>eP 05:10:07.6 eS 36.8 Dist. 270 Km.</p> <p>eP 05:22:06.8 eS 31.9 Dist. 230 Km.</p> <p>eP 05:44:46 eS 45:11.5 Dist. 235 Km.</p> <p>eP 06:56:53.5 eS 57:19.5 Dist. 240 Km.</p> <p>eP 07:15:50.7 eS 16:16.8 Dist. 240 Km.</p> <p>eP 09:14:47.5 eS 15:16.5 Dist. 270 Km.</p> <p>eP 10:07:38 eS 08:02.3 Dist. 225 Km.</p> <p>iP 11:54:49.8 eS 55:14 Dilatation from SE Dist. 220 Km.</p> <p>eP 15:03:57.5 eS 04:33.1 Dist. 335 Km.</p> <p>eP 15:45:16.0 eS 42.3 Dist. 245 Km.</p> <p>iP 22:41:08.7 iS 31.2 Compression Dist. 205 Km.</p> <p>22 iP 02:49:24.6 iS 41.3 Dilatation Dist. 145 Km.</p> <p>eP 03:58:46.9 eS 59:15.0 Dist. 260 Km.</p>
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PROVISIONAL READINGS AT PELDEHUE

Sep.22 eP 08:17:52.8 1967 Distant shock	Sep.24 eP 08:24:53.7 1967 eS 25:16.4 Dist. 405 Km.	Sep.26 eP 15:24:14.5 1967 eS 24.1 Dist. 75 Km.
eP 09:10:02.8 Distant shock	iP 20:19:24.0 i(S) 46.0 Dilatation from NW	iP 16:03:45.2 iS 55.5 Compression Dist. 85 Km.
eP 09:17:03.9 eS 30.2 Dist. 245 Km.	eP 22:27:08.2 Distant shock	iP 16:12:12.0 iS 46.5 Dist. 320 Km. Compression from NNW
eP 10:37:31.5 Distant shock	25 eP 02:16:27.5 Distant shock	iP 23:28:04.6 e(S) 38 Dilatation from NW
23 eP 02:22:35.7 Distant shock	eP 04:07:59.1 Distant shock	27 iP 04:14:06.8 iS 16.9 Compression Dist. 80 Km. Small
iP 04:59:29.6 iS 53.4 Compression Dist. 220 Km.	iP 17:23:25.3 Distant shock Dilatation	iP 08:09:57.1 iS 10:06.0 Compression Dist. 70 Km.
eP 05:07:46.3 eS 08:16.1 Dist. 280 Km.	iP 17:42:53.6 iS 43:12.5 Dilatation Dist. 170 Km. Small	iP 10:42:00.7 iS 46.4 Dilatation from N Dist. 435 Km.
eP 07:14:37.2 Distant shock	eP 17:58:21.2 eS 51.5 Dist, 285 Km.	eP 10:51:49.8 Distant shock
eP 08:08:18.0 i 22.9 eP 46.8 Dist. 270 Km.	26 iP 00:20:17.9 iS 31.8 Dilatation Dist. 120 Km. Small	
iP 16:26:06.7 Dilatation Distant shock	eP 05:59:07.6 Distant shock	
eP 17:31:41.4 eS 32:07.6 Dist. 240 Km.	iP 10:22:03.1 iS 15.6 Compression Dist. 105 Km. Small	C. Gallardo SEISMOLOGIST
iP 19:25:19.7 iS 37.3 Compression Dist. 155 Km.	iP 11:11:38.0 iS 49.2 Compression from SSE Dist. 90 Km.	
eP 22:06:06.1 Distant shock	iP 12:40:08.0 iS 25.2 Dilatation Dist. 150 Km.	
24 eP 01:16:50.7 Distant shock Dilatation	iP 13:30:56.0 iS 31:05.7 Compression Dist. 75 Km.	
iP 06:29:29.4 Distant shock Dilatation		

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PROVISIONAL READINGS AT SANTIAGO

<p>Sep.13 1967 eP 21:09:06.5 eS 25.5 Dist. 170 Km.</p> <p>eP 21:55:07.1 eS 51.5 Dist. 425 Km.</p> <p>iP 03:46:34.0 iS 49.5 Compression Dist. 135 Km.</p>	<p>Sep.18 1967 eP 01:19:51.5 eS 20:09.5 Dist. 160 Km.</p> <p>eP 02:31:00 eS 19 Dist. 170 Km.</p> <p>eP 06:13:18.5</p> <p>eP 06:18:(42)</p> <p>eP 06:29:46</p> <p>eP 07:01:22.3 eS 58.5 Dist. 340 Km.</p> <p>eP 07:44:39.5 eS 57.5 Dist. 160 Km.</p> <p>eP 17:10:56</p> <p>eP 23:07:13</p> <p>eP 23:25:(17.4)</p> <p>eP 23:45:24.5</p> <p>19 eP 04:45:38.5</p> <p>eP 11:15:51.5 Distant shock</p> <p>eP 18:25:28.5</p> <p>20 eP 09:39:12.7 Distant shock</p> <p>eP 10:43:25.5 Distant shock</p> <p>eP 11:39:24</p> <p>21 iP 03:42:14.5 eS 41.5 Dist. 250 Km.</p> <p>eP 04:52:30.5</p> <p>eP 04:56:53</p> <p>eP 05:03:32.0</p> <p>eP 05:06:06.5</p> <p>eP 05:10:11</p>	<p>Sep.21 1967 eP 06:56:(59) eS 57:27</p> <p>eP 10:07:(44)</p> <p>eP 11:54:53.1</p> <p>eP 22:41:11.6</p> <p>22 iP 02:49:21.5 eS 34.0 Dilatation Dist. 105 Km.</p> <p>eP 03:58:51.2 eS 59:21.0 Dist. 280 Km.</p> <p>eP 08:17:53.6 Distant shock</p> <p>eP 09:17:08.1 eS 37.5 Dist. 275 Km.</p> <p>eP 10:37:32.6 Distant shock</p> <p>23 eP 04:59:33.6</p> <p>eP 19:25:20.0</p> <p>24 iP 06:29:28.2 Distant shock Dilatation</p> <p>iP 20:19:26.9 Dilatation</p> <p>eP 22:27:12.5 Distant shock</p> <p>26 eP 05:59:03.2 Distant shock</p> <p>eP 11:11:37.2 Dist. 75 Km. Compression from C</p> <p>iP 16:12:15.5</p> <p>eP 23:28:08.0</p> <p>27 iP 04:14:05.0 iS 14.5 Compression Dist. 75 Km. Small</p> <p>iP 08:09:55.0 iS 03.1 Compression Dist. 60 Km.</p>
<p>14 iP 12:11:38.3 iS 12:13.6 Dilatation Dist. 335 Km.</p> <p>eP 13:08:27.5 eS 58.2 Dist. 285 Km.</p> <p>eP 20:35:00.4 Distant shock</p> <p>15 iP 02:00:12.6 eS 33.8 Dilatation Dist. 190 Km.</p> <p>iP 11:19:17.7 iS 36.2 Dilatation Dist. 165 Km.</p> <p>eP 17:52:32.2 eS 53:30 Dist. about 560 Km.</p> <p>eP 23:45:54</p> <p>16 eP 20:15:(20)</p> <p>17 eP 01:36:40.2</p> <p>eP 01:52:09</p> <p>eP 06:38:08.7 eS 39:(08) Dist. about 575 Km.</p> <p>eP 08:05:53.3 Distant shock</p> <p>eP 23:19:42 eS (59.5) Compression Dist. 155 Km.</p>		

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PROVISIONAL READINGS AT SANTIAGO

Sep.27 iP 10:42:04.6
1967 Compression

eP 16:16:10.8
eS 20.2
Dist. 75 Km.

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Sep.14 iS 16:42:48.0
1967

19 e(P) 04:22:20

eP 12:49:55.0
Distant shock

20 iS 06:46:34.6

eP 09:49:36.5
e 10:09:54.2
e 24:33.4

Sep.21 e 01:02:07.3
1967

e 01:02:54.0

eP 01:05:14.1

23 iS 02:15:58.9

iS 08:20:12.9

Sep.26 iS 08:01:49.5
1967

iP 16:18:01.6
Distant shock

27 eP 12:00:41.6
eS 48.5

e(P) 16:07:33.0
eS 37.1

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Sep.19 eP 12:49:43.4
1967 eS 55:16.8
Dist. about 4.000 Km.

20 eP 09:58:16
eS 10:08:52.3

Sep.26 iP 16:18:09.6
1967 iS 24:00
Dist. about 4.333 Km.

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00" W h 12 m

Sep.20 eP 09:51:13
1967 e(S) 10:01:16

Sep.26 iP 11:12:58.5
1967 e 14:09
eS 10.5
Dist. 700 Km.

R. Schulz
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Sep.08 eP 08:07:52
1967 eS 08:25.5
Dist. 320 Km.

Sep.09 eP 10:09:26
1967 eS 11:34
Dist. about 1200 Km.

Sep.26 eP 11:12:20
1967 iS 13:04.5
Dist. 405 Km.

A. Sickinger
SEISMOLOGIST

PROVISIONAL READINGS AT COPIAPO

27° 21' 15" S 70° 21' 04" W h 384 m

Sep.26 eP 11:12:51.8
1967 eS 14:36.7
Dist. 970 Km.

L. Cabello
SEISMOLOGIST

Sep.26 eP 16:12:06.6
1967 Felt IV

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6 hule
Oct 1967

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Oct.09 1967	iP 17:33:56.5 i 36:09 ipPP 37:48 iS 43:29.4 isSKS 45:24 e 46:46 eSS 48:00 eG 53:26 eR 57:40 Dist. 77 $\frac{1}{2}$ °	Oct.13 1967	iP 21:27:16.0 Dilatation Distant shock 14 eP 04:46:48.1 iS 47:08.0 Dist. 180 Km. iP 06:17:05.7 iS 15.7 Compression from SE Dist. 80 km. iP 08:13:47.8 iS 14:03.0 Compression from NW Dist. 130 km. eP 09:11:44.4 eS 07.9 Dist. 215 Km. Small iP 10:26:15.7 iS 24.5 Compression from NW Dist. 70 Km. iP 12:40:53.6 iS 00.5 Dilatation from NE Dist. 50 Km. iP 20:05:37.4 eS 52.7 Dilatation Dist. 135 Km. Small eP 22:18:06.1 Distant shock	Oct.15 1967	iP 13:34:38.9 iS 43.7 Dilatation Dist. 30 Km. 16 eP 13:32:10.3 eS 32.3 Dist. 200 Km. eP 15:37:03.0 eS 21.1 Dist. 160 Km. eP 16:12:09.3 eS 23.2 Dist. 120 Km. iP 17:17:24.6 Distant shock Compression eP 21:15:55.2 Distant shock iP 23:29:34.9 iS 41.5 Compression from SE Dist. 50 Km. 17 iP 16:57:56.2 iS 58:57 Dilatation Dist. 590 Km. eP 20:09:07.5 i 21.5 eS 38.0 Dist. 285 Km. 18 ePKP 01:32:22 ePPP 37:31 eSKKS 41:46 ePPS 47:24 eSS 52:46 eG 02:08:28 eR 12:40 Dist. 134° iP 04:26:22.3 eS 49 Dist. 245 Km. Dilatation eP 04:58:00.5 eS 39 Dist. 365 Km. eP 06:41:(32) e 44:49
10 eP 06:54:47.3 eS 55:00.6 Dist. 115 Km. eP 19:05:(49) eS 22 Dist. 310 Km. eP 20:00:28.5 eS 51 Dist. 215 Km. eP 20:05:24.4 eS 38.2 Dist. 120 Km. eP 21:09:25.3 eS 43 Dist. 155 Km.	11 iP 12:15:22.6 iS 16:40 Dilatation Dist. 755 Km. iP 16:12:10.3 Dilatation Distant shock iP 20:32:30.2 Dilatation Distant shock iP 21:12:29.9 iS 13:18.2 Dilatation Dist. 465 Km.	12 eP 06:47:15.6 Distant shock iP 13:12:25.8 Compression Distant shock	15 iP 08:09:07.3 epP 40.0 ePP 11:00 e 13:28 eS 15:46 eSS 19.6 eR 22:20 Compression from NW Dist. 47° eP 11:32:01.4 eS 18.6 Dist. 150 Km. Small		

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PROVISIONAL READINGS AT PELDEHUE

Oct.18 eP 09:01:41.5	Oct.18 iP 15:55:45.7	Oct.18 eP 22:19:01.6
1967 eS 02:11	1967 iS 50.0	1967 eS 29:28
Dist. 275 Km.	Compression from SW	eR 45:54
	Local	Dist. 86°
		C. Gallardo
		SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Oct.09 eP 17:53:56.5	Oct.14 iP 06:17:04.4	Oct.17 iP 16:57:58.8
1967	1967	1967
10 eP 20:00:33.5	eP 08:13:50.6	18 iP 04:26:26.1
eP 20:05:20.7	eS 14:08.5	eS 54.0
eP 21:09:29.5	Dist. 160 Km.	Compression
eS 50	iP 10:26:17.5	Dist. 260 Km.
Dist. 185 Km.	eP 12:40:53.0	iP 04:58:05.3
11 eP 12:15:19	15 iP 08:09:09.3	Compression
eP 21:12:33.4	Compression	eP 06:41:37.8
12 eP 06:47:15.5	eP 13:34:41.3	Distant shock
Distant shock	16 iP 17:17:24.3	iP 09:01:36.3
eP 13:12:26.8	Distant shock	iS 02:04.6
Distant shock	eP 23:29:34.2	Dilatation
14 eP 04:46:47		Dist. 265 Km.
eS 47:04		C. Gallardo
Dist. 150 Km.		SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Oct.07 eP 01:15:49	Oct.13 eP 21:26:20	Oct.15 eP 08:09:30
1967 eS 17:09	1967 eS 39	1967 eS 16:28
Dist. 760 Km.	Dist. 155 Km.	Dist. about 47°
10 eP 23:29:10	14 eP 15:47:40	16 eP 15:37:12
eS 22	eS 45	eS 28
Dist. 100 Km.	Dist. 40 Km.	Dist. 130 Km.
11 iP 12:14:26.5	eP 22:17:30	e 21:17:--
iS 36.5	eS 41	Distant shock
Dist. 85 Km.	Dist. 90 Km.	
Felt II at Concepción		A. Sickinger
		SEISMOLOGIST

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PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62°56'22" S 60°35'06" W h 10 m

Oct.09 eP 12:38:18.9
1967 iS 23.6

iP 17:33:11.2
e 35:26.0
i(S) 36:37.0
e 42:33.8
Distant shock

Oct.14 iP 10:50:41.2
1967 iS 41.8
Dilatation
i(S) 10:54:57.6
iS 10:55:20.8

Oct.15 iP 08:12:26.2
1967 Distant shock

17 eP 17:40:43.9
iS 47.3

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Oct.09 eP 17:33:16.6
1967 eS 44:17.8
Distant shock

Oct.15 iP 08:12:32.6
1967 iS 22:13.7
Dist. about 8054 Km.

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00.0" W h 12 m

Oct.10 e(P) 23:29:30
1967 eS 30:03

Oct.13 eP 22:08:24
1967 iS 30.8
Dist. 50 Km.

Oct.20 eP 07:08:10
1967 eS 19

11 eP 12:14:55
eS 15:29
Dist. 290 Km.

14 iS 10:36:49
Near shock

13 eP 21:26:26
eS 43
Dist. about 140 Km.

15 iP 08:09:52
eiPP 10:30
e 12:49
eS 13:53
eSS 15:41
L 17:--

R. Schulz
SEISMOLOGIST

REPUBLICA DE CHILE
Departamento de Correos y Telecomunicaciones

1987

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INTERNATIONAL SEISMOLOGICAL
SUMMARY 1981
KEW OBSERVATORY
RICHMOND SURREY ENGLAND



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29 JAN 1968

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Nov.06	eP	05:13:26.5	Nov.08	eP	05:12:16.5	Nov.11	eP	00:57:48.7
1967	eS	40.5	1967	eS	41.5	1967	eS	58:01.4
	Dist.	120 Km.		Dist.	230 Km.		Dist.	100 Km
							Small	
	eP	09:16:51		eP	09:28:59.5		iP	19:08:43.7
	eS	17:00.6		eS	29:16.5		iS	09:12.3
	Dist.	75 Km.		Dist.	150 Km.		Compression	
							Dist.	260 Km.
	eP	11:57:54.7		eP	10:50:45			
	eS	58:05.5		Dist.	Distant shock			
	Dist.	90 Km.				12	eP	03:31:55.3
							eS	32:31.4
	eP	22:59:53.5		eP	11:16:43.7		Dist.	340 Km.
	eS	23:00:28.8		eS	54.5			
	Dist.	335 Km.		Dist.	90 Km.		eP	05:37:18.7
							eS	36.8
07	eP	04:02:23.5		eP	15:00:04.3		Dist.	160 Km.
	Dist.	Distant shock		e(S)	19.5			
							eP	06:05:41.2
	eP	04:21:54		eP	18:40:08.4		Dist.	Distant shock
	eS	22:23		eS	39.2			
	Dist.	270 Km.		Dist.	290 Km.		eP	06:41:02.2
							eS	16.7
	eP	06:46:37.8		iP	21:02:34.9		Dist.	125 Km.
	eS	52		iS	37.6		Small	
	Dist.	120 Km.		Compression	from WSW			
				Local			eP	10:49:37.5
	iP	09:52:40.2		iP	21:49:20.5		Dist.	Distant shock
	iS	53:00.5		iS	30.1			
	Dilatation			Compression			eP	15:40:49.5
	Dist.	185 Km.		Dist.	75 Km.		Dist.	Distant shock
	eP	15:46:19.3	09	eP	02:36:56.5		eP	16:04:02.8
	eS	39.8		e	37:07.8		eS	16.2
	Dist.	185 Km.		eL	39:46.9		Dist.	115 Km.
				Dist.	Distant shock		Small	
	eP	21:18:18.8						
	e(S)	47.3		eP	13:55:29.5		iP	21:02:37.8
				Dist.	Distant shock		i	43.6
	eP	22:57:56.2					iS	53.5
	eS	58:24.8		eP	21:57:05.5		Dilatation	
	Dist.	265 Km.		eS	08.3		Dist.	135 Km.
				Local				
	eP	23:07:09.5						
	eS	21.8	10	eP	06:08:51.1			
	Dist.	105 Km.		Dist.	Distant shock			
08	eP	04:13:55.7		iP	21:47:59.6			
	eS	14:15.8		iS	48:14.4			
	Dist.	180 Km.		Dilatation				
				Dist.	130 Km.			

 C. Gallardo
 SEISMOLOGIST

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Nov.06 1967	iP eS	09:16:49.8 57.6	Nov.08 1967	eP eS	09:29:00.0 20.0	Nov.12 1967	iP iS	21:02:35.0 46.3
	Compression			Dist. 180 Km.			Dist. 95 Km.	
07	eP	04:02:23.2	09	eP	02:36:56.5			
	Distant shock			Distant shock				
	iP	09:52:44.5	11	iP iS	00:57:44.9 54.7			
	Dilatation			Dist. 80 Km.				
				Small				
08	iP eS	04:13:57.3 14:20.2	12	iP	06:40:58.3			
	Compression			Compression				
	Dist. 210 Km.							

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Nov.05 1967	eP eS	02:36:48 37:02	Nov.09 1967	eP eS	02:33:22 29		
	Dist. 115 Km.			Dist. 55 Km.			A. Sickinger SEISMOLOGIST

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00.0" W h 12 m

Nov.10 1967	eiP eS	06:08:06.5 25
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R. Schulz
SEISMOLOGIST.

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Nov.07 1967	eP iS	04:51:29.8 31.9	Nov.08 1967	iP iS	04:48:50.0 52.9	Nov.09 1967	eP iS i	11:40:07.5 11.2 19.7
	iP eS	15:50:42.1 43.5		Dilatation			eP iS	15:10:30.2 11:10.0
	iP iS	16:33:37.8 39.0		eP eS	11:51:30.0 34.2		iP iS	21:34:17.6 18.1
	Compression			iP iS	13:19:50.4 54.9		Dilatation	
	iP iS	17:06:17.9 24.4		Compression			iP iS	04:23:18.1 19.6
	Dilatation			eP iS	13:30:14.8 18.9		Dilatation	
08	iS	04:46:59.4	09	iP iS	04:23:18.1 19.6		eP iS i	11:40:07.5 11.2 19.7
				Dilatation				

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PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

Nov.09 eP	15:10:30.2	Nov.10 eS	23:22:22.2	Nov.12 iP	00:18:30.3
1967 iS	11:10.0	1967		1967 iS	31.9
		11 iP	07:56:56.0		Dilatation
iP	21:34:17.6	iS	57.0	eS	03:53:57.2
iS	18.1		Dilatation	A 40 mm	
Dilatation		iP	20:14:09.1	iP	11:19:18.0
iS	23:56:57.1	iS	10.0	iS	36.0
A 78 mm		Compression		Dilatation	
Dilatation		A 100 mm		iS	13:21:46.5
10 eP	04:53:00.0	eP	21:12:46.0	iS	13:37:29.6
iS	04.3	iS	48.1		
		12 iP	00:01:27	iP	14:26:22.3
iP	05:40:36.8	i	31.2	eS	23.3
iS	37.9	iS	35.0		
		Compression		iP	20:11:58.9
iS	19:52:21.5			iS	12:04.3
iP	23:21:01.9			Dilatation	
iS	02.6			A 56 mm	

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Oct.17 iP	06:28:20.0	Oct.18 eP	06:00:36.0	Oct.19 eP	16:43:50.5
1967 iS	28.2	1967 eS	55.5	1967 eS	44:43.5
	Compression from NNE		Dist. 170 Km.		Dist. 510 Km.
	Dist. 70 Km.	eP	06:39:33.0	eP	21:45:10
eP	13:09:36.7	iS	57.2	eS	46:16.7
eS	10:13.3	Compression from S		Dist. about 640 Km.	
Dist. 330 Km.		Dist. 210 Km.		20 iP	03:29:32.8
e(P)	16:07:33	ePKP	14:41:41.0	iS	54.7
eS	08:17.7			Compression from NE	
		eP	16:38:03.8	Dist. 190 Km.	
e(P)	17:00:05.6	eS	37.7		
eS	01:59.0	Dist. 310 Km.		eP	08:47:13.2
iP	19:03:08.5	19 eP	01:00:20	eS	51.0
eS	46.3	eS	01:40.2	Dist. 340 Km.	
Compression from NE		Dist. about 170 Km.		iP	10:06:59.3
Dist. 340 Km.		eP	01:48:42.0	iS	07:35.5
eP	21:38:54.5	eS	47.0	Compression from ESE	
eS	39:00.7	Dist. 40 Km.		Dist. 320 Km.	
Dist. 50 Km.		eP	03:16:55.2	eP	13:46:54
18 eP	00:45:17.5	eS	17:29.8	eS	47:21.0
eS	43.3	Dist. 310 Km.		Dist. about 240 Km.	
Dist. 230 Km.					

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PROVISIONAL READINGS AT ANTOFAGASTA

Oct. 20 1967	eP 15:32:36.7 eS 33:18.5 Dist. 380 Km.	Oct. 22 1967	eP 02:09:05.4 eS 22.2 Dist. 140 Km.	Oct. 23 1967	eP 07:18:32.5 eS 49.9 Dist. 140 Km.
	eP 17:08:16 Local		eP 04:35:55.7 eS 36:17.0 Dist. 180 Km.		eP 08:46:05.5 e 48:08.0 PZ 0.15 u; T 1.2 sec.
	eP 17:39:20.5 eS 40:02.2 Dist. 360 Km.		eP 04:42:26.0 e(S) 43:33.5 i 37.5		eP 10:52:00.5 e(S) 37.6
	eP 19:30:58.5 eS 33:(02.5)		iP 04:49:14.7 e(S) 49.5 i 51.0 Compression from W		iP 10:52:53.7 iS 53:33.5 Dist. 370 Km. Compression from W
	eP 19:56:31.5 eS 41.5 Dist. 90 Km.		eP 06:48:20 eS 46.1 Dist. about 230 Km.		iP 13:32:10.2 iS 17.5 Compression from N Dist. 60 Km.
	eP 20:43:(17.7) eS 40.8		eP 13:31:10 eS 39.2 Dist. about 260 Km.		eP 16:33:00 eS 12.7 Dist. about 100 Km.
	eP 22:32:20 eS 42.8 Dist. about 190 Km.		eP 13:42:49.0 eS 43:13.1 Dist. 210 Km.		eP 17:25:06.4 e(S) 26:10.2
	iP 23:49:00.0 iS 06.0 Compression Dist. 50 Km.		eP 22:47:08.4 i 12.0 iS 36.8 Dist. 250 Km. From SSW		eP 18:32:34.0 eS 55.6 Dist. 190 Km.
21	iP 02:36:14.0 iS 37:12 Compression from SSW Dist. 550 Km.		eP 23:59:(56.3) eS 00:00:15.4		eP 19:43:15.0 eS 22.7 Dist. 70 Km.
	eP 06:28:21.2 eS 51.0 Dist. 270 Km.	23	eP 00:28:03.0 eS 53.0 Dist. 470 Km.		eP 23:27:21.5 i 25.3 Local
	eP 08:40:21.5 eS 36.4 Dist. 120 Km.		iP 01:32:13.0 iS 39.2 Compression from E Dist. 230 Km.	24	eP 05:06:58.5 eS 07:30.3 Dist. 290 Km.
	eP 09:42:55.0 eS 43:13.5 Dist. 160 Km.		eP 01:50:50.7 e(S) 51:02.5 i 11.4		eP 06:19:01.7 eS 07.9 Dist. 50 Km.
	eP 14:51:25.0 eS 50.5 Dist. 220 Km.		eP 04:16:03.8 i 07.5 eS 30.5 i 33.2 Dist. 240 Km. From SW		eP 06:48:06.7 eS 21.5 Dist. 120 Km.
22	eP 00:06:19.8 eS 45.7 Dist. 230 Km.				eP 07:14:13.3 eS 34.5 Dist. 180 Km.
	iP 00:53:18.5 iS 54:04.8 Compression from WNW Dist. 430 Km.				eP 07:53:30 eS 53.5 Dist. about 200 Km.

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PROVISIONAL READINGS AT ANTOFAGASTA

Oct. 24 1967	e(P) Distant shock	11:11:07.0	Oct. 25 1967	eP eS Dist. 260 Km.	17:42:38.4 43:07.5	Oct. 27 1967	eP e e(S)	00:36:(49.5) 55.0 38:30.7
	eP eS Dist. 170 Km.	11:48:12.7 32.3		eP eS Dist. 50 Km.	19:45:29.5 35.8		eP eS Dist. 350 Km.	09:40:26.9 41:05.9
	eP eS Dist. 240 Km.	12:24:09.6 36.5		eP eS Dist. 90 Km.	21:13:19.0 28.9		eP Local	11:23:(24.5)
	e(P) e(S)	12:47:(48.7) 48:49.5	26	ePKP	00:42:25.2		eP eS Dist. 190 Km.	13:13:49.5 14:11.2
	eP eS Dist. about 150 Km.	17:09:14 32.0		iP iS Dist. 420 Km. Compression from E	01:50:50.2 51:35.4		eP eS Dist. about 230 Km.	13:25:55 26:21.0
	eP i eS Dist. 440 Km. From FNE	19:14:30.0 30.5 15:17.1		eP eS Dist. 200 Km.	01:53:10.2 32.8		eP i e(S) i	16:09:57.6 10:10.5 11:12.5 26.3
	eP e(S)	19:39:09.7 34.2		eP eS Dist. 210 Km.	06:33:48.5 34:12.5		eP eS Dist. 100 Km.	19:48:02.5 13.2
	eP i iS Dist. 230 Km.	20:58:09.8 12.1 35.6		eP e(S) i	08:00:28 01:49.0 02:11.2		eP eS Dist. 160 Km.	20:41:47.9 42:06.9
25	eP eS Dist. 160 Km.	00:27:52.5 28:11.7		eP eS Dist. 340 Km.	11:48:45.3 49:23.7		eP eS Dist. 50 Km.	23:11:27.7 33.7
	iPKP ₁ ePKP ₂ ePP ₂ eSKKS eSS e eSSS eG eR Dist. about 170°	01:19:25.0 20:38 24:26 31:40 45:42 48:03 53:14 02:09:04 17:38		eP eS Dist. 240 Km.	14:52:(40.2) 53:08.5		eP eS Dist. 60 Km.	23:19:09.4 16.6
	eP eS Dist. 50 Km.	02:54:18.8 25.0		eP eS Dist. 240 Km.	17:17:40.8 18:07.5	28	eP Local	00:25:02.5
	eP Local	09:28:39.9		eP Distant shock	17:41:59.9		eP eS Dist. 250 Km.	04:46:08.8 36.5
	eP eS Dist. 270 Km.	17:27:24.3 54.6		eP eS Dist. 230 Km.	17:56:(27.5) 58:02.0		eP eS Dist. 40 Km.	05:26:49.3 54.2
	eP eS Dist. about 320 Km.	23:20:06 42.0		eP eS Dist. 230 Km.	18:19:35.0 20:01.3		eP eS Dist. 250 Km.	11:39:56.6 40:24.4
	eP eS Dist. 270 Km.	17:27:24.3 54.6		eP eS Dist. about 320 Km.	23:20:06 42.0		eP eS Dist. 150 Km.	13:16:44.5 17:02.7

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PROVISIONAL READINGS AT ANTOFAGASTA

Oct. 28 1967	eP Local	16:53:48.2	Oct. 30 1967	eP eS Dist.	06:22:36 23:06.0 about 270 Km.	Nov. 01 1967	eP eS Dist.	03:29:36.2 50.9 120 Km.
	eP eS Dist.	21:53:17.6 22.7 40 Km.		eP iS Dist.	08:27:43.1 50.0 60 Km.		eP eS Dist.	06:51:33.0 52:18.3 420 Km.
	eP iS Dist.	23:29:55.5 30:01.4 50 Km.		eP i Dist.	14:02:08.9 09.3 60 Km.		eP eS Dist.	08:07:28.0 49.0 180 Km.
29	eP eS Dist.	02:59:12.5 50.2 340 Km.		iP iS Dist. Compression from W	14:26:35.7 54.9 160 Km.		eP eS Dist.	16:41:28.0 51.7 210 Km.
	iP iS Dist. Compression from WNW	03:22:18.8 35.0 130 Km.	31	eP i e(S) i	00:00:15.2 27.1 55.7 01:15.3		eP i iS Dist.	17:03:16.6 17.0 53.5 330 Km.
	eP eS eSS eG e(R) Dist.	12:46:09.5 53:16 56:40 58.0 13:04 50°		iP iS Dist. Compression from E	02:02:08.2 45.7 350 Km.		eP Local ePKP	19:16:42.5 19:37:10.3
	eP eS Dist.	13:27:00.8 28:31.5 880 Km.		eP e eS Dist.	02:37:58.0 58.7 38:18.0 170 Km.		eP eS Dist.	22:39:41.3 40:02.0 180 Km.
	eP eS Dist.	17:46:50.5 47:11.5 180 Km.		eP eS	06:17:(53.0) 18:22.0	02	iP i i(S) Compression from SW	03:33:32.1 50.5 34:39.5 Compression from SW
	eP eS Dist.	18:55:32 57.3 about 220 Km.		eP eS Dist.	12:08:26.4 09:02.5 320 Km.		eP iS Dist.	04:19:50.3 55.4 40 Km.
	eP eS Dist.	23:53:54.8 54:31.4 330 Km.		eP e(S) eS	12:49:(14.5) 50:18.5 15:13:(53.0) 14:16.0		iP eS Dist. Compression from NE	08:22:54.2 23:34.5 360 Km. Compression from NE
30	eP eS Dist.	01:07:53.7 08:43.2 470 Km.		eP eS Dist.	18:04:12.5 23.5 100 Km.		eP eS	10:00:(57.0) 01:18.5
	eP eS Dist.	03:56:06.7 43.1 320 Km.		eP eS Dist.	22:04:53.2 05:12.5 160 Km.		e(P) Local	10:36:09.2 Local
	eP eS Dist.	04:34:14.3 29.3 120 Km.		eP eS Dist.	23:40:07.3 44.3 330 Km.		eP eS Dist.	16:56:58.5 57:38.0 360 Km.
	eP i eS i Dist.	05:04:01.0 05.1 27.5 36.2 230 Km.		eP eS Dist.	23:46:11.5 17.5 50 Km.		eP eS Dist.	17:51:22.1 58.5 320 Km.
							eP eS Dist.	18:56:18.2 24.6 60 Km.

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov.02 eP 19:24:52.5
1967 eS 25:18.3
Dist. 230 Km.

eP 21:00:08.0
eS 29.8
Dist. 190 Km.

eP 22:38:45.7
eS 59.3
i 59.7
Dist. 110 Km.

eP 22:50:22.2
eS 45.0
i 47.6
Dist. 200 Km.

03 iP 02:11:29.0
eS 12:06.3
i 08.5
Dist. 330 Km.
Compression from E

eP 06:56:20.1
eS 24.7
Dist. 40 Km.

eP 08:20:01.1
e(S) 23:44
Dist. about 20°
Doubtful interpretation

eP 08:55:42.7
i 43.1
iS 56:24.7
Dist. 390 Km.
Compression

eP 12:15:35.4
e(S) 16:34.1
e 57.4

iP 13:37:07.8
eS 46.5
i 48.0
Dist. 350 Km.
Compression from E

eP 22:45:50.7

04 eP 02:50:10.1
iS 51:17.6
Dist. 650 Km.

Nov.04 eP 04:57:09.0
1967 eS 45.4
Dist. 320 Km.

eP 08:22:05.4
eS 47.2
Dist. 390 Km.

eP 13:46:34.2
i 46.3
Distant shock

Y. Franulic
SEISMOLOGIST

ANTOFAGASTA
SERVICIO NACIONAL DE GEODESIA Y GEOFISICA
INSTITUTO NACIONAL DE INVESTIGACIONES CIENTIFICAS
Y TECNOLÓGICAS

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND

IMPRESO ORDINARIO

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Nov.14 eP 08:15:19.2	Nov.15 eP 23:04:54.2	Nov.17 eP 13:23:29.2
1967 eS 33.3	1967 Distant shock	1967 Distant shock
Dist. 120 Km.		
Small	eP 23:20:40.2	18 iP 21:49:15.6
	Distant shock	iS 50:08.6
eP 16:20:24.0		Dilatation
Distant shock	eP 23:43:24.5	Dist. 510 Km.
	Distant shock	
eP 17:21:37.7	16 iP 00:37:37.6	19 eP 00:58:16.7
eS 22:12.5	iS 38:33.5	Distant shock
Dist. 330 Km.	Compression	
	Dist. 540 Km.	eP 02:06:18.2
eP 21:56:47.7		Distant shock
eS 57:38.3	eP 01:12:18.5	
Dist. 385 Km.	Distant shock	eP 07:25:23.0
		eS 58.4
15 eP 00:15:58.6	iP 04:07:47.7	Dist. 335 Km.
eS 16:29.5	eS 57.0	
Dist. 290 Km.	Compression	eP 17:42:52.0
	Dist. 75 Km.	eSKS 53:32
eP 05:52:34.8		eSS 18:01:32
eS 54.2	iP 05:22:51.0	eR 15:20
Dist. 175 Km.	iS 23:10.5	Dist. 100°
	Compression	
iP 12:21:10.3	Dist. 175 Km.	eP 18:49:36.5
iS 18.2		Distant shock
Dilatation from SW	eP 07:51:37.0	
Dist. 60 Km.	Distant shock	eP 23:34:53.0
		eS 35:13.8
eP 15:00:17.2	eP 07:55:35.0	Dist. 190 Km.
Distant shock	Distant shock	
		iP 23:45:17.7
iP 20:27:28.6	eP 08:50:51.1	iS 29.9
iS 30.8	Distant shock	Dist. 100 Km.
Compression		
Local	17 eP 01:25:21.3	20 iP 07:47:09.1
	Distant shock	iS 28.6
iP 21:33:00.0		Dilatation from S
iS 52.0	iP 05:34:08.8	Dist. 195 Km.
Compression from NW	i 13.5	Small
Dist. 500 Km.	i 28.9	
Felt at Copiapó, Potrerillos and La Serena.	iS 49.7	iP 10:03:05.4
	Compression	Distant shock
iP 22:56:49.8	Dist. 390 Km.	Dilatation
iS 57:10.0		
Compression from NW	eP 07:51:04.8	C. Gallardo
Dist. 180 Km.	Distant shock	SEISMOLOGIST

PROVISIONAL READINGS AT COPIAPO

27° 21' 15" S 70° 21' 04" W h 384 m

Sep.30 eP 04:37:30.1	Oct.28 eP 00:24:54.5	Nov.04 eP 02:49:20
1967 eS 41	1967 eS 25:20	1967 eS 32.4
Dist. 90 Km.	Dist. 235 Km.	Dist. 105 Km.
Oct.15 eP 08:08:27.5		
Distant shock		

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Nov.14 eP 08:15:15.3 1967	Nov.17 eP 07:51:08.8 1967 Distant shock	Nov.20 iP 07:47:12.4 1967 iS 34.9 Dilatation Dist. 205 Km.
iP 12:21:09.0	18 iP 07:13:55.2 iS 14:21.7 Dilatation Dist. 245 Km.	iP 10:03:00.7 Dilatation Distant shock
15 iP 21:33:03.9 Compression	19 iP 23:45:19.1 iS 32.7 Compression Dist. 115 Km.	21 iP 06:35:58.3 iS 36:11.4 Dilatation Dist. 110 Km.
iP 22:56:53.6 Compression		
16 eP 00:37:41.5		
17 iP 05:34:11.5 i 17.5 iS 54.6 Dilatation Dist. 410 Km.		C. Gallardo SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Nov.14 eP 21:56:10 1967 eS 21 Dist. 90 Km.	Nov.18 eP 21:48:28 1967 eS 44 Dist. 130 Km.	
15 eP 21:33:48.8 eS 35:55.2 Dist. 1180 Km.	20 eP 10:02:18 eS 25 Dist. 55 Km.	A. Sickinger SEISMOLOGIST

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00" W h 12 m

Nov.15 eP 21:34:30 1967 e 37:00 T 7 sec.	Nov.16 eP 07:54:44 1967 eS 55:02 Dist. 125 Km.	Nov.20 iP 08:19:30.3 1967 iS 40.5 Dist. 80 Km.
16 e 01:41:40 Distant shock	18 eP 21:48:44 iS 49:13 Dist. 240 Km.	R. Schulz SEISMOLOGIST

PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Nov.13 iS 10:57:58.7 1967	Nov.13 eS 15:37:10.4 1967	Nov.13 iS 23:46:09.2 1967
iP 15:36:20.7 iS 21.9 A 30 mm Compression	iP 20:03:47.8 eS 48.7 Compression iS 20:04:50.2	14 eP 01:50:12.7 iS 18.2 iS 02:00:38.2

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Nov.14 iP	10:25:21.7	Nov.16 iS	05:00:47.2	Nov.17 iS	13:04:19.2
1967 eS	28.9	1967		1967	
A 56 mm					
Compression		iS	09:39:00	eS	13:12:52.9
iS	14:43:57.5			18 iS	11:23:26.5
		iS	15:10:20.8		
15 iP	10:16:37.1	eP	17:21:49.6		
iS	38.2	iS	22:05.8		
Compression		iS	17:38:13.4		
eS	20:13:50.0	17 iP	04:33:22.5		
		iS	32.0		
i(S)	21:38:44.6	Dilatation			
Distant shock					

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT BASE O'HIGGINS

63° 19' 00" S 57° 54' 00" W

Nov.15 eP	21:38:05.3	Nov.19 iP	16:12:19
1967 iS	48:15.5	1967 iS	16:17.4
Dist. about 8332 Km.		Dist. about 2555 Km.	

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Nov.04 eP	13:56:43.0	Nov.05 eP	08:05:18.5	Nov.05 eP	14:29:35.8
1967 eS	56.2	1967 eS	06:06.3	1967	
Dist. 110 Km.		Dist. 450 Km.		eP	16:54:25.6
iPKP	14:50:15.6	eP	09:30:57.2	eS	55:04.0
		e(S)	31:32.0	Dist.	350 Km.
iP	16:31:37.5	eP	11:02:44.0	eP	21:40:37.6
iS	35:40	e(S)	57.7	eS	41:56.1
iR	38:32	i	03:03.8	Dist.	770 Km.
Dilatation from NNW		eP	11:15:(36.5)	eP	21:57:32.8
PZ 0.1 u T 1.5 sec.		eP	11:35:49.9	eS	58:11.5
Mag about $6\frac{1}{2}$		eS	36:31.0	Dist.	350 Km.
Dist. about 23°		Dist.	380 Km.	06 eP	01:15:10.0
eP	17:27:(38.0)			eS	38.0
eS	55.7			Dist.	250 Km.
		eP	11:55:36.2	eP	05:30:(58.0)
eP	23:29:40	eS	46.3		
eS	30:19.0	Dist.	90 Km.	eP	05:44:27.7
Dist. about 350 Km.				e(S)	51.6
05 eP	07:29:40	eP	14:05:35.0		
eS	30:06.5	eS	53.0		
Dist. about 230 Km.		Dist.	150 Km.		

PROVISIONAL READINGS AT ANTOFAGASTA

Nov.06 1967	eP eS Dist.	07:55:22.6 56:11.0 450 Km.	Nov.07 1967	eP eS Dist.	15:16:07 17:37:49 38:09.0 170 Km.	Nov.09 1967	eP eS Dist.	16:03:06 32.3 about 230 Km.
	eP eS Dist.	08:59:37.8 09:00:02.7 220 Km.		eP eS Dist.	18:44:05.5 11.6 50 Km.		ePKP e Dist.	18:39:23.3 44.1 19:57:49.5
	eP eS Dist.	16:14:51.8 15:09.7 150 Km.		eP eS Dist.	20:53:17.7 54:05.2 450 Km.		eP eS Dist.	20:06:04 12.8 about 80 Km.
	eP eS Dist.	17:29:29.5 30:09.0 360 Km.		eP eS Dist.	22:06:15.4 19.0 40 Km.	10	eP eS Dist.	01:15:04.5 39.8 310 Km.
	eP eS Dist.	20:09:20.5 46.7 230 Km.	08	eP eS	02:13:(09.7) 44.5		eP eS Dist.	02:42:14.5 35.8 180 Km.
	iP eS Dist. Compression	20:46:39.0 55.7 140 Km. from SE		eP eS eSS eR Dist.	03:19:02 25:28 28:46 31.1 about 44°		eP eS Dist.	04:13:05.0 27.1 200 Km.
	eP eS Dist.	21:07:27.0 32.3 40 Km.		eP	06:26:52.0		eP eS Dist.	11:15:40.5 45.5 40 Km.
	eP eS Dist.	22:12:51 13:13.2 about 190 Km.		eP eS Dist.	06:32:03.0 27.7 220 Km.		iP eS Dist. Compression	17:37:23.8 38:05.5 390 Km. from NE
07	eP eS Dist.	01:18:08.8 24.7 130 Km.		eP	09:00:06.3		eP	21:51:09.2
	eP eS Dist.	01:37:16.5 46.2 270 Km.		eP i iS Dist.	10:48:40.1 52.8 49:32.5 490 Km.	11	eP eS Dist.	02:57:51 58:29.3 340 Km.
	eP eS Dist.	02:13:52 14:18.2 about 230 Km.	09	eP i iS Dist.	01:17:50.7 52.3 18:14.7 210 Km.		eP eS Dist.	06:49:34.5 51.6 140 Km.
	iP eS Dist. Compression	08:08:03.2 43.5 360 Km. from E		eP	02:37:25.0		eP eS Dist.	17:06:32.3 58.5 230 Km.
	eP eS Dist.	09:40:03.7 39.7 320 Km.		eP iS Dist.	02:44:30.3 36.3 50 Km.		eP eS Dist.	21:21:32.0 22:23.5 490 Km.
	eP e(S)	09:54:16 55:46.5		e(P) e(S)	03:56:50.5 57:20.8	12	eP eS Dist.	02:25:59.7 26:48.5 460 Km.
	eP eS Dist.	08:10:49.2 12:03.1 720 Km.		eP eS Dist.	11:10:(38) 11:06.5		eP eS	11:10:(38) 11:06.5

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov.12 1967	eP 17:07:12.0 iS 27.0 Dist. 120 Km.	Nov.13 1967	eP 14:35:22.0 eS 52.0 Dist. 270 Km.	Nov.15 1967	eP 08:11:21.5 eS 30.0 Dist. 80 Km.
	eP 18:07:33.5 eS 08:08.9 i 17.3 Dist. 310 Km.		iP 22:21:02.2 iS 08.0 Dilatation from SW Dist. 50 Km.		eP 11:55:54.5 eS 56:14.7 Dist. 170 Km.
	eP 18:18:02.0 e(S) 43.7 e 19:09.0 Two shocks?		eP 23:24:36.7 eS 25:00.2 Dist. 210Km.		eP 17:04:19.0 eS 57.6 Dist. 350 Km.
	e(P) 19:15:39 e 50.5	14	eP 05:47:32.5 i 48:09.7 iS 17.4 e(S) 31.4 Two Shocks?		eP 18:27:23.0 eS 36.1 Dist. 100 Km.
	eP 22:47:59.0 eS 48:36.5 Dist. 340 Km.		iP 09:38:41.5 iS 45.2 Compression from W Dist. 40 Km.		eP 19:31:47.5 eS 33:13.0 Dist. 830 Km.
13	eP 00:14:51.5 eS 15:20.8 Dist. 260 Km.		eP 10:19:58.2 e(S) 20:55.5		eP 21:33:07.8 i 08.1 e(S) 34:16 From SSW
	eP 00:20:22.3 eS 21:05.5 Dist. 400 Km.		eP 11:59:03.6 eS 24.2 Dist. 180 Km.		eP 22:15:32.4 eS 16:08.0 Dist. 320 Km.
	eP 01:11:10 eS 23.3 Dist. about 100 Km.		e(P) 12:37:08 Local		eP 23:05:12.1 e(S) 52.0 e 06:20.0
	eP 02:37:03 eS 26.5 Dist. about 200 Km.		eP 15:06:58.7 eS 07:06.7 Dist. 70 Km.		eP 23:33:22.0 eS 34:19.0 i 20.5 Dist. 550 Km.
	eP 05:21:(34.5) Local		eP 15:24:16.0 eS 39.7 i 42.5 Dist. 210 Km.	16	eP 00:37:46.0
	eP 05:45:(43.5) eS 46:25.5		iP 16:19:07.4 i(S) 27,2 i 35.5 Compression from SSW		e(P) 01:12:52.0 eS 13:47.5
	eP 05:54:46.9 eS 55:23.0 Dist. 320 Km.		eP 21:04:56.3 iS 05:26.5 Dist. 270 Km.		eP 02:07:36.8 eS 56.5 Dist. 170 Km.
	e(P) 09:16:11 eS 17:25.6				e(P) 05:22:(47.0) eS 23:59.5 e 24:17.5
	eP 10:07:56.9 eS 08:33.0 Dist. 320 Km.	15	eP 06:09:35.8 eS 10:00.2 e 05.8 Dist. 210 Km.		eP 07:17:31.5 e(S) 18:06.9
	eP 11:23:24.8 eS 24:02.5 Dist. 340 Km.				eP 10:21:58.5 eS 22:21.8 Dist. 200 Km.
	eP 13:44:42.7 eS 58.9 Dist. 130 Km.		eP 07:52:(25.5) Local		

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov.16 eP 15:56:56.4	Nov.17 iP 18:31:58.5	Nov.18 eP 17:11:29.8
1967 eS 57:16.5	1967 iS 32:27.5	1967 eS 51.2
Dist. 170 Km.	Dist. 260 Km.	Dist. 180 Km.
	Compression from NNE	
eP 19:55:18.5	eP 18:40:43.6	eP 19:37:45
eS 44.0	eS 41:10.8	eS 38:09.5
Dist. 230 Km.	Dist. 240 Km.	Dist. about 210 Km.
eP 21:52:27.7	eP 20:00:41.5	eP 21:34:43.3
eS 53:04.5	eS 52.0	eS 53.8
Dist. 330 Km.	Dist. 90 Km.	Dist. 90 Km.
eP 22:29:14.0	eP 20:18:12.8	19 eP 00:40:24.8
eS 20.5	e(S) 19:35.0	i 25.3
Dist. 60 Km.		eS 41:01.0
		Dist. 320 Km.
17 eP 01:25:46.0	eP 22:19:48.8	eP 01:41:04
eS 26:51.0	eS 20:10.2	Local
Dist. 630 Km.	Dist. 180 Km.	
eP 02:02:56.0	18 eP 00:29:42.9	eP 02:06:26
eS 03:31.7	eS 30:01.8	e(S) 07:47.0
Dist. 320 Km.	Dist. 160 Km.	
eP 03:07:(26.5)	eP 05:57:(25.0)	eP 05:00:07.1
Local	iS 29.0	eS 36.6
		Dist. 270 Km.
eP 05:18:52.0	eP 07:14:52	eP 10:41:39.5
eS 19:09.1	e(S) 16:09.0	eS 42:07.5
Dist. 140 Km.		Dist. 250 Km.
eP 05:35:16.1	eP 09:40:29.5	eP 11:10:05
eS 39.0	eS 42.7	eS 25.5
Dist. 200 Km.	Dist. 110 Km.	Dist. about 170 Km.
iP 07:49:34.3	eP 12:37:40.5	
iS 56	eS 38:05.8	
Dist. about 190 Km.	Dist. 210 Km.	
Compression from SE	eP 13:14:37.5	
	eS 15:13.6	
	Dist. 320 Km.	

Y. Franulic
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INTERNATIONAL SEISMOLOGICAL
SUMMARY
~~Kew Observatory~~
~~RICHMOND SURREY ENGLAND~~

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Edinburgh 9*

IMPRESO ORDINARIO

11:51:00 (9)
0.75:01 22
0.00:00:01 28
0.00:00 29
Dist. 320 Km. 32
8.40:00:11 36
2.50:00 38
Dist. 320 Km. 38
11:51:00 39
2.50:00 39

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PROVISIONAL READINGS AT PELDEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Nov. 21 1967	iP 06:35:58.8 is 36:09.2 Dilatation from SW Dist. 85 Km. eP 22:53:40.0 Distant shock	Nov. 24 1967	iP 13:11:33.7 Distant shock Dilatation eP 16:19:05.6 eS 20.6 Dist. 130 Km. Small iP 22:10:42.2 is 44.7 Compression Local eP 22:42:12.2 Distant shock	Nov. 26 1967	eP 00:37:39.8 eS 38:06.3 Dist. 245 Km. eP 02:25:53.5 eS 26:14.5 Dist. 190 Km. iP 02:58:11.3 is 35.0 Dilatation Dist. 215 Km. eP 03:56:37.7 Distant shock
22	eP 00:29:34.5 is 52.9 Dist. 155 Km. Small iP 10:40:43.6 Distant shock Compression eP 13:27:29.6 eS 54.6 Dist. 230 Km. iP 13:56:21.5 eP 45.3 Dilatation Dist. 220 Km. eP 15:17:52.1 eS 18:29.6 Dist. 355 Km.	25	eP 01:14:00.3 Distant shock eP 04:52:46.7 eS 53:29.5 Dist. 410 Km. iP 08:25:47.7 is 56.3 Dilatation Dist. 65 Km. eP 08:39:40.7 Distant shock eP 09:25:05.8 eS 23.9 Dist. 160 Km. iP 11:05:41.2 is 06:02.5 Dilatation Dist. 195 Km. eP 12:12:37.4 Distant shock iP 21:28:23.6 is 46 Compression from NW Dist. 210 Km. eP 21:58:59.5 Distant shock iP 23:37:48.0 is 38:12.8 Compression Dist. 230 Km.	27	iP 19:18:08.1 is 39 Dilatation from NE Dist. 290 Km. 28 eP 06:52:56.6 Distant shock eP 16:44:13.1 Distant shock Dec. 01 1967
23	eP 07:30:21.6 Distant shock eP 08:54:41.0 eS 09:06:54 eSS 13:36 eR 28:50 Dist. 105° eP 10:16:27.4 eS 53.6 Dist. 240 Km. eP 18:27:24.2 eS 38.0 Dist. 120 Km. Small eP 20:36:13.5 eS 36.8 Dist. 215 Km. Small	02	eP 19:53:38.7 Distant shock eP 00:42:14.6 Distant shock eP 14:25:49.4 Distant shock eP 14:58:58.9 is 59:21.9 Dist. 210 Km. eP 16:27:07.7 Distant shock 03	eP 18:33:49.0 eS 34:08.2 Dist. 170 Km. eP 19:53:38.7 Distant shock eP 00:42:14.6 Distant shock eP 14:25:49.4 Distant shock eP 14:58:58.9 is 59:21.9 Dist. 210 Km. eP 16:27:07.7 Distant shock iP 04:52:19.8 eS 50.2 Dilatation from N Dist. 285 Km. iP 09:29:41.7 is 54.0 Dilatation Dist. 105 Km.	
24	iP 11:45:01.5 is 21.8 Compression from N Dist. 185 Km.				



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PROVISIONAL READINGS AT PELDEHUE

Dec.03 eP 13:30:38.7	Dec.05 eP 17:49:34.9
1967 eS 31:28.8	1967 iS 50.5
Dist. 480 Km.	Dist. 135 Km.
eP 17:08:46.6	eP 18:45:44.5
iS 09:09.1	Distant shock
Dist. 205 Km.	
04 eP 01:43:58.1	iP 18:47:00.7
Distant shock	iS 12.3
	Compression
eP 02:56:18.6	Dist. 95 Km.
Distant shock	
iP 07:29:38.0	06 eP 01:34:37.1
eS 30:01	eS 35:02.4
Dilatation from SSW	Dist. 235 Km.
Dist. about 210 Km.	eP 03:01:38.3
	Distant shock
eP 07:35:38.0	eP 03:44:16.7
eS 36:04.1	eS 38.4
Dist. 240 Km.	Dist. 195 Km.
eP 09:20:16.9	eP 07:30:16.5
iS 30.6	Distant shock
Dist. 115 Km.	
Small	eP 09:18:20.4
iP 11:19:40.0	eS 46.7
iS 57.4	Dist. 245 Km.
Compression	iP 21:29:16.2
Dist. 155 Km.	iS 41.1
Small	Compression from NE
eP 15:55:37.6	Dist. 230 Km.
eS 56:07.6	
Dist. 280 Km.	07 eP 09:14:50.9
eP 15:59:52.5	Distant shock
Distant shock	eP 10:02:48.0
	Distant shock
iP 19:46:04.5	eP 21:46:45.2
iS 06.8	eS 47:03.0
Compression	Dist. 160 Km.
Local	
iP 23:06:22.5	08 eP 05:54:20.5
iS 35.3	eS 37.3
Compression	Dist. 150 Km.
Dist. 110 Km.	iP 10:42:34.9
05 eP 00:24:31.9	Distant shock
Distant shock	Dilatation from NE
eP 03:49:12	
eS	
Dist. 415 Km.	

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PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Nov.22 eP 10:40:40.9	Nov.27 eP 02:22:52.4	Dec.03 eP 13:30:43.0
1967 Distant shock	1967 e(S) 23:04.3	1967
23 eP 10:16:23.4	eP 05:13:53.5	04 iP 07:29:34.2
eS 45.2	eS 14:08.5	Dilatation
Dist. 200 Km.	Dist. 130 Km.	05 eP 03:49:16.7
25 eP 04:52:48.3	eP 10:19:02.0	iP 15:33:06.9
iP 08:25:50.6	e(S) 21	Dilatation
Dilatation	iP 19:18:10.9	06 eP 03:01:41.1
eP 09:25:09.8	Dec.01 eP 11:29:26.8	Distant shock
iP 21:28:27.0	1967 Distant shock	iP 03:44:14.5
Compression	02 eP 00:42:12.5	Compression
eP 21:58:57.3	Distant shock	eP 07:30:20.6
Distant shock	03 iP 04:52:23.7	Distant shock
26 iP 18:10:37.6	Compression	08 eP 10:42:37.4
Dilatation	eP 09:29:43.2	Distant shock
	iS 56.5	
	Dist. 115 Km.	

C. Gallardo
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PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Nov.26 eP 18:09:51	Nov.27 eP 05:14:39	Nov.29 eP 07:06:55
1967 eS 10:20	1967 eS 15:43	1967 eS 07:13
Dist. 250 Km.	Dist. 600 Km.	Dist. 145 Km.

A. Sickinger
SEISMOLOGIST

PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00" W h 12 m

Nov.26 iP 18:09:27.5	Nov.29 eP 13:12:36
1967 iS 39	1967 eS 48
Dist. 90 Km.	Dist. 100 Km.

27 eP 05:15:21
e(S) 16:55

iP 10:52:16.5
iS 25
Dist. 70 Km.

R. Schulz
Seismologist.

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PROVISIONAL READINGS AT PEDRO AGUIRRE CERDA

62° 56' 22" S 60° 35' 06" W h 10 m

Nov.19 iP	23:51:05.5	Nov.22 eP	08:44:54.0	Nov.27 iP	21:24:47.7
1967 iS	10.1	1967 eS	58.9	1967 iS	50.7
20 eP	14:26:41.3	23 iP	21:06:30.8	28 iS	11:21:07.8
e	51.4	iS	34.2	iS	13:25:14.4
iS	27:31.3	24 eP	13:25:11.6	eP	18:50:09.5
iS	18:12:55.4	iS	19.0	iS	17.6
21 iS	14:04:03.5	26 iS	11:18:54.0	iS	22:29:03.2
iP	14:07:48.2	iS	19:24:18.0	29 iS	05:48:25.3
iS	59.4	27 iP	21:00:09.9	iS	08:39:28.3
		iS	11.4		

Cap. Iturriaga
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Nov.19 eP	12:26:48.7	Nov.19 eP	22:26:33.5	Nov.20 eP	12:28:(16.3)
1967 Distant shock		1967 eS	52.0	1967 e(S)	47.4
eP	14:49:14	Dist. 160 Km.		eP	18:32:07
eS	42.0	eP	23:46:47.5	iS	11.9
Dist. about 250 Km.		eS	47:08.7	Dist. about 40 Km.	
eP	15:10:03.1	Dist. 180 Km.		eP	18:52:(17.1)
eS	11:09.7	eP	23:58:46.7	eS	39.5
Dist. 650 Km.		eS	59:25.3	eP	18:59:15
eP	16:40:32.5	Dist. 350 Km.		eS	40.5
eS	41:01.0	20 eP	00:15:15.7	Dist. about 22°	
Dist. 260 Km.		eS	54.0	21 eP	01:46:00.7
eP	17:44:(51.0)	Dist. 340 Km.		eS	07.6
eS	45:11.0	eP	02:04:05	Dist. 60 Km.	
eP	18:49:40	eS	40.7	eP	09:03:06.5
eS	51:(06.0)	Dist. about 310 Km.		Distant shock	
eP	19:42:41.5	eP	06:18:06	eP	10:21:03.7
Local		eS	(30.2)	eS	22.5
eP	21:33:(35.3)	eP	09:03:(49.0)	Dist. 160 Km.	
eS	(55.7)	eS	04:25.2	eP	11:43:26.5
eP	22:00:20.0	iP	11:05:09.8	eS	44:02.0
eS	46.0	eS	49.7	Dist. 320 Km.	
Dist. 230 Km.		Dist. 360 Km.		eP	12:03:03.0
		Compression from NE		Local	

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov. 21 1967	eP eS	12:07:(10.5) 08:34.8	Nov. 22 1967	eP eS	22:59:(10.5) 33.0	Nov. 24 1967	iP eS	17:59:37.5 18:00:50.2
							Dilatation from NNW Dist. 700 Km.	
	eP eS	14:44:(32.5) 57.5	23	eP eS	01:49:02 27.8		eP eS	19:40:18 (51.0)
				Dist. about 230 Km.				
	eP i eS	15:37:54.5 56.3 39:16		iP iS	06:57:37.8 58:14.3		eP eS	21:37:47.5 38:05.5
		Dist. about 7°		Dist. 330 Km. Compression from E				
	eP eS	16:40:(21.0) 38.0		e(P)	07:31:47.0		iP iS	22:40:42.1 41:04.0
							Compression from S Dist. 190 Km.	
	iP iS	22:50:49.3 51:31.8		eP Local	08:11:05.3			
		Dist. 400 Km.					25	iP iS
				eP eS	09:02:12 22.5			03:37:09.3 14.0
22	eP eS	01:37:01.2 42.0		Dist. about 90 Km.			Dilatation from W Dist. 40 Km.	
		Dist. 370 Km.		eP eS	09:36:02 34.3		e(P) eS	04:52:37.1 53:48.8
				Dist. about 290 Km.			i	54:11.0
	eP eS	04:54:56.5 55:06.5		eP eS	15:19:05.8 26.0		eP eS	16:41:00.3 31.5
		Dist. 90 Km.		Dist. 170 Km.			Dist. 280 Km	
	eP eS	05:23:49 24:09.0		eP eS	19:20:(46.5) 21:12.3		e(P) eS	17:45:(51.5) 46:28.5
		Dist. about 170 Km.		Dist. 190 Km.			Dist. 310 Km.	
	eP eS	08:17:(47.0) 18:13.0		eP eS	23:14:46.2 15:08.3		eP eS	18:28:39.5 29:13.0
				Dist. 190 Km.			Dist. 310 Km.	
	eP eS	10:32:34.3 50.2		24	eP eS	02:42:30.6 43:09.5	eP eS	21:27:52.1 28:20.7
		Dist. 130 Km.		Dist. 350 Km.			Dist. 260 Km.	
	eP eS	13:16:27.3 17:14.7		iP iS	04:54:19.5 24.9		eP eS	21:29:11.8 43.0
		Dist. 450 Km.		Dist. 50 Km. Compression from SW			Dist. 280 Km.	
	eP eS	21:28:07.1 40.7		eP eS	10:31:(30.7) 52.7		eP eS	23:29:51.5 30:25.3
		Dist. 300 Km.		Dist. 130 Km.			Dist. 300 Km.	
	eP eS	22:04:52.5 05:29.0		eP eS	11:59:(31.7) 12:00:00.7	26	iP eS	00:18:11.3 56.0
		Dist. 330 Km.		Dist. 130 Km.			Compression from NE Dist. 420 Km.	
	eP eS	22:16:49.0 17:27.5		eP eS	15:16:53.6 17:10.0		eP eS	01:33:32.0 34:08.9
		Dist. 350 Km.		Dist. 130 Km.			Dist. 330 Km.	
	eP PZ	22:23:25.2 0.17 u T 0.5 sec.						

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PROVISIONAL READINGS AT ANTOFAGASTA

Nov. 26 eP 01:53:37.8
1967 eS 52.3
Dist. 120 Km.

eP 03:13:37.0
Distant shock

eP 05:58:02
eS 27.5
Dist. about 230 Km.

iP 05:47:21.0
eS 46.5
Compression from E
Dist. 230 Km.

Y. Franulic
Seismologist

INTERNATIONAL SEISMOLOGICAL
SUMMARY
KEW OBSERVATORY
RICHMOND SURREY ENGLAND



IMPRESO ORDINARIO

12 MAR 1968

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PROVISIONAL READINGS AT PEI DEHUE

33° 08' 37" S 70° 41' 07" W h 690 m

Dec.09 eP 02:27:46.8	Dec.11 eP 03:18:39.8	Dec.14 eP 17:25:32.7
1967 eS 28:17.4	1967 Distant shock	1967 eS 55.1
Dist. 285 Km.		Dist. 205 Km.
iP 07:44:01.3	eP 04:24:33.5	Small
iS 22.9	eS 46.6	eP 20:10:30.9
Compression	Dist. 110 Km.	eS 47.8
Dist. 195 Km.	eP 07:09:49.5	Dist. 150 Km.
Small	Distant shock	Small
eP 09:29:21.8	eP 11:22:14.5	iP 21:51:00.0
Distant shock	Distant shock	eP 32.8
eP 10:57:21.6	eP 14:11:31.8	Compression
i 26.0	eS 49.5	Dist. 310 Km.
iS 37.7	Dist. 155 Km.	15 eP 02:52:36.5
Dist. 140 Km.	Small	Distant shock
eP 13:01:20.0	iP 15:09:58.4	eP 07:01:46.0
Distant shock	iS 10:09.5	Distant shock
iP 13:12:09.2	Compression	iP 09:04:03.2
Distant shock	Dist. 90 Km.	iS 05:15.2
Dilatation	iP 23:50:01.6	Dilatation
10 eP 02:02:29.0	iS 10.4	Dist. 700 Km.
eS 03:24.5	Dilatation from SW	eP 08:17:04.1
Dist. 535 Km.	Dist. 70 Km.	Distant shock
iP 03:42:49.7	12 iP 03:48:47.1	eP 12:13:54.5
iS 43:30.9	iS 49:07.2	Distant shock
Compression	Dilatation	eP 15:00:04.0
Dist. 390 Km.	Dist. 180 Km.	Distant shock
eP 12:19:46.2	eP 05:14:54.5	iP 18:20:38.2
Distant shock	Distant shock	iS 21:08.0
eP 17:34:23.8	iP 10:26:27.6	Dilatation
eS 35:16.0	iS 44.5	Dist. 280 Km.
Dist. 500 Km.	Dilatation	eP 19:59:54.1
eP 18:49:58.0	Dist. 150 Km.	Distant shock
iS 50:26.7	Small	eP 23:38:38.7
Dist. 265 Km.	eP 12:28:59.3	eS 49.5
iP 18:54:40.7	eS 29:28.7	Dist. 90 Km.
iS 51.0	Dist. 275 Km.	Small
Dilatation	13 iP 21:32:38.7	16 eP 00:15:25.6
Dist. 85 Km	iS 41.5	Distant shock
Small	Compression from NE	iP 02:53:56.2
ePKP 23:10:57.7	Local	eS 54:17.8
eSKSP 24:40	eP 22:58:12.1	Compression
eSS 33:50	Distant shock	Dist. 195 Km.
eSSS 38:36	14 eP 03:23:01.0	iP 03:25:20.2
eQ 51:28	Distant shock	Distant shock
Dist. 147.5°		Dilatation

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PROVISIONAL READINGS AT PELDEHUE

Dec.16 eP 06:57:21.7	Dec.16 eP 17:56:26.4	Dec.17 iP 18:20:45.5
1967 iS 37.6	1967 eS 51.0	1967 iS 59.0
Dist. 140 Km.	Dist. 225 Km.	Compression
Small		Dist. 115 Km.
	eP 22:32:26.7	Small
eP 13:12:36.2	Distant shock	
eS 50.7	iP 23:51:42.8	iP 18:53:07.8
Dist. 125 Km.	iS 56.2	iS 19.3
iP 15:01:49.7	Dilatation	Dist. 95 Km.
iS 02:12	Dist. 115 Km.	Small
Dilatation from NE	Small	
Dist. 205 Km.		18 eP 01:52:30.0
		eS 49.7
		Dist. 175 Km.

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Dec.09 iP 07:44:02.0	Dec.10 eP 23:10:54.5	Dec.16 iP 03:25:23.2
1967 Compression	1967 Distant shock	1967 Distant shock
		Dilatation
eP 09:29:23.0	11 iP 23:50:01.9	iP 15:01:53.2
Distant shock	iS 10.9	Dilatation
	Dilatation	
10 eP 02:02:30.9	Dist. 70 Km.	
Distant shock		
eP 03:42:53.7	12 eP 10:26:27.1	
eS 43:39.2	eS 42.0	
Dist. 435 Km.	Dist. 130 Km.	
eP 12:19:47.2	13 eP 15:55:36.5	
Distant shock	Distant shock	
eP 18:49:59.2	14 eP 03:23:01.2	
eS 50:27.8	Distant shock	
Dist. 265 Km.	eP 21:51:01.2	
	eS 35.2	
	Dist. 320 Km.	

C. Gallardo
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Dec.01 eP 19:52:34.6	Dec.13 eP 02:01:00	Dec.13 eP 08:42:27
1967 eS 40.4	1967 eS 05.5	
Dist. 48 Km.	On minute mark	16 e(P) 15:03:43
Felt II at Concepción	Dist. 45 Km.	
	eP 08:39:11.5	
04 eP 07:29:30	eS 24	
eS 30:04	Dist. 100 Km.	
Dist. 300 Km.	Felt I at Concepción	

A. Sickinger
SEISMOLOGIST

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PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00" W h 12 m

Dec.03 e 07:30:39
1967 Distant shock
Dilatation

e(P) 17:37:44
iS 53

05 e 18:45:03
e 28

10 eiP 12:34:53.5
iS 35:00
Dist. 70 Km.

12 eiP 07:37:11.5
iS 18
Dist. 50 Km.

13 e(P) 08:39:40
e(S) 40:11

15 iP 09:02:44.7
iS 55.5
Dist. 90 Km.

16 e(P) 15:03:20
eS 04:48

18 e 08:06:53
eS 07:12

19 e 08:45:16
e 47:47

R. Schulz
SEISMOLOGIST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Nov. 26 1967	eP e iS Dist. 230 Km.	05:58:03.1 27.7 29.4	Nov. 28 1967	iP iS Dist. 430 Km. Compression from NE	16:42:47.3 43:32.6	Dec. 01 1967	eP iS Dist. 90 Km.	03:08:45.8 56.7
	eP eS Dist. 230 Km.	11:13:17 12:24:32.3 24:58.8		eP e i(S)	18:09:12.3 09:35.0 09:36.4		eP eS Dist. 330 Km.	04:57:14.3 51.5
	eP eS Dist. 320 Km.	13:00:40.2 01:15.2	29	eP e e(S)	02:24:50.7 25:14.1 18.6		eP e	11:29:37.1 30:17 14:16:11.5 19:32.7
	eP iS Dist. 230 Km.	18:17:33.4 18:00.1		eP iS Dist. 230 Km.	04:40:56.7 41:21.7		eP eS Dist. 380 Km.	14:58:15.6 57.0
	eP iS Dist. 50 Km.	20:16:26.8 16:32.7		eP e(S)	05:42:53.2 43:05.2		eP eS Dist. 330 Km.	17:25:02.7 39.7
	eP eS Dist. 90 Km.	23:03:39 03:48.5		eP e(S) Dist. 240 Km.	05:50:28.4 50:55		iP eS Dilatation from SE Dist. 130 Km.	18:05:38.5 54.0
27	eP eS Dist. 100 Km.	02:16:29.3 41.4	30	iP iS Dist. 370 Km. Compression	03:56:47.0 57:26.2	02	eP eP eP eS Dist. about 250 Km.	00:41:21.6 06:45:48.4 09:10:48.7 11:16
	eP eS Dist. 280 Km.	03:58:24.4 55.5		e e e PPS SS G R Dist. 106° Doubtful interpretation	07:42:18 50:10 51:44 52:32 57:28 08:09:32 14:56		eP eS Dist. 270 Km.	11:00:53.0 01:22.9
	eP i i i(S)	05:14:54.2 15:08.0 16:33.2 17:09.2		eP eS Dist. 360 Km.	10:22:40.2 23:18.5		eP iP iS Compression from SSW Dist. 140 Km.	12:13:52.2 16:25:40.2 56.8
	eP eS Dist. 870 Km.	19:19:17 20:48.2		S SS R Dist. 50° NE.	11:30:57 34:28 38:20	03	eP eS Dist. 330 Km.	03:57:38.0 58:14.5
28	eP eS Dist. 130 Km.	05:05:27.2 07:42.0		eP eS Dist. 60 Km.	18:09:28.8 20:26:20.4 26.7		eP e(S)	04:53:11 54:29.5
	eP eS Dist. 130 Km.	11:28:05.8 28:20.8						
	eP eS Dist. 360 Km.	16:08:47.0 09:25.7						

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PROVISIONAL READINGS AT ANTOFAGASTA

Dec.03 iP 06:51:40.3
1967 eS 42.2
Compression from S
Dist. 140 Km.
eP 08:41:25.1
eS 41:38.0
Dist. 110 Km.
e(P) 13:30:54
e 30:59.1
e(S) 31:07.5

Dec.06 ePKP 03:00:32.0
1967
iP 04:33:21.8
iS 58.0
Compression from ESE
Dist. 320 Km.
eP 07:00:(47.0)
eS 01:11.0

Y. Franulic
SEISMOLOGIST

04 eP 01:45:29.2
eS 46:30
Dist. about 580 Km.

eP 02:56:19.4
i 56:58.0

eP 12:31:42.3
eS 58.5
Dist. 130 Km.

eP 15:55:01.0
i 04.0
iS 36.0
Dist. 310 Km.

05 eP 00:15:26.1
eS 15:39.5
Dist. 110 Km.

eP 00:32:23.3
eS 58.2
Dist. 310 Km.

eP 03:49:20
i(S) 50:38.9

eP 05:07:39.2
eS 59.4
Dist. 170 Km.

eP 12:34:06.2
iS 17.9
Dist. 100 Km.

eP 19:21:22.3
eS 59.7
Dist. 330 Km.

eP 21:56:26.3
e(S) 57:35.0

06 eP 01:25:05.9
eS 41.5
Dist. 320 Km.

PROVISIONAL READINGS AT PELDEHUE

33° 08' 37"S 70° 41' 07" W h 690 m

Dec.19 1967	eP 08:43:31.7 eS 44:24 Dist. 500 Km.	Dec.24 1967	iP 07:51:13.7 iS 32.7 Compression from SE Dist. 170 Km.	Dec.27 1967	eP 06:52:08 eS 53:00.5 Dist. 520 Km.
	iP 08:43:46.8		eP 11:36:06.8 Distant shock		eP 09:20:35 eS 22:11.5 Dist. 8.5°
	iP 10:00:28.4 iS 51.8 Dilatation from NNE Dist. 215 Km.		eP 12:31:50.3 eS 32:10 Dist. 175 Km.		eP 10:51:15 Distant shock
	eP 20:48:10.5 e(S) 49:11.0		eP 16:32:36.2 e(S) 59.0	28	eP 04:49:04.4 eS 42.5 Dist. 360 Km.
20	iP 17:41:36 eS 43:07.2 Dilatation Dist. 920 Km.		eP 17:51:10 eS 58 Dist. 460 Km.		eP 05:08:31 eS 09:14 Dist. 410 Km.
	iP 19:12:22 eS 42.6 Compression from NE Dist. 185 Km.		eP 21:41:34.0 Distant shock		eP 07:59:05.5 eS 14.8 Dist. 75 Km.
21	eP 15:10:02.3 eS 32.5 Dist. 280 Km.		eP 22:34:02.5 eS 18.7 Dist. 140 Km.		eP 08:13:36.0 eS (40)
	eP 17:05:37.5 eS 57.7 Dist. 180 Km.	25	eP 01:39:04 ePP 42:25 ePPP 44:05 e 52:28 eSS 54:16 eG 02:00:16 Dist. about 80°		eP 16:05:54.9 Local
	eP 19:10:45.7 eS 56.3 Dist. 85 Km.		eP 03:38:23.5 eS 05.5 Dist. 400 Km.		eP 16:47:14.2 eS 26.5 Dist. 95 Km.
22	eP 05:18:38.4 Distant shock		eP 10:44:09 eS 46:28 Dist. 13°		eP 23:07:51.5 eS 08:18.5 Dist. 250 Km.
23	eP 22:32:57.1 eS 33:08.0 Dist. 90 Km.		eP 17:19:01 eS 32 Dist. 290 Km.	29	iP 15:22:30.0 eS 42.5 Dilatation from N Dist. 105 Km.
	iP 22:45:46.3 eS 46:03.4 Dilatation Dist. 150 Km.		eP 18:30:13 eS 34.5 Dist. 195 Km.		eP 20:33:14.5 e 52
24	eP 00:18:21.0 eS 19:15 Dist. 520 Km.	26	eP 05:27:58.4 eS 28:15 Dist. 145 Km.	30	eP 00:26:50.7
	eP 06:51:49.5 eS 52:55 Dist. 635 Km.		eP 09:25:52.4 eS 26:24 Dist. 295 Km.		eP 02:16:03.5 eS 17:26 Dist. 810 Km.
	iP 07:06:57 eS 07:11 Compression Dist. 120 Km.		eP 10:13:27.5 eS 42.5 Dist. 130 Km.		iP 02:24:21.6 eS 08 Dist. 445 Km.
					eP 09:34:42.7 eS 35:03 Dist. 185 Km.
					eP 13:07:53.5 Distant shock

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PROVISIONAL READINGS AT PELDEHUE

Dec.30 eP 21:13:42.8	Dec.31 eP 10:53:49.5	Dec.31 eP 15:24:11.3
1967 eS 56.5	1967 eS 04.7	1967 eS 33.6
Dist. 115 Km.	Dist. 130 Km.	Dist. 205 Km.
31 eP 02:49:19.5	eP 15:10:38.5	
eS 30	eS 03.5	
Dist. 85 Km.	Dist. 230 Km.	

H. Becker
SEISMOLOGIST

PROVISIONAL READINGS AT SANTIAGO

33° 27' 11" S 70° 39' 42" W h 533 m

Dec.19 eP 08:43:36.4	Dec.23 eP 22:45:50	Dec.28 eP 07:59:08.4
1967 eS 44:32.5	1967 eS 09.3	1967 eS 19.3
Dist. 540 Km.	Dist. 175 Km.	Dist. 90 Km.
iP 10:00:31.9	24 eP 07:07:01.0	eP 08:13:40.5
iS 59.2	iP 07:51:10.5	29 eP 15:22:34.3
Dilatation	Compression	eS 51.0
Dist.250 Km.	eP 12:31:46.7	Dist. 140 Km.
20 eP 19:12:24.5	eP 16:32:33.5	30 e(P) 02:16:07.5
eS 49		Doubtful interpretation
Dist. 225 Km.	eP 22:34:06	eP 02:24:18
21 eP 02:28:07.7	eS 26	eS 02
iP 12.2	Dist. 180 Km.	Dist. 420 Km.
eS 30:29	25 eP 10:44:12.5	eP 09:34:46
eP 07:54:25	Distant shock	eS 08.5
Distant shock	26 eP 05:28:02.5	Dist. 205 Km.
eP 19:10:46.7	eS 20.2	eP 21:13:46.3
eS (57.5)	Dist. 155 Km.	eS 14:02
Dist. about 85 Km.	27 eP 06:52:12.5	Dist. 135 Km.
23 eP 03:46:51	eP 09:20:37.5	
eS 47:08	28 eP 05:08:28	
Dist. 150 Km.		

H. Becker
SEISMOLOGIST

PROVISIONAL READINGS AT CONCEPCION

36° 49' 41" S 73° 02' 42" W h 46 m

Dec.21 eP 02:28:53	Dec.25 e 10:45:08	Dec.30 eP 01:23:42.8
1967 eS 32:04	1967	1967 eS 57.5
Dist. 1850 Km.		Dist. 120 Km.
24 e 20:12:45	27 iP 09:21:32	
	ePP 44.8	
	iS 24:34.9	
	eSS 58.5	
	Dist. 1725 Km.	

A. Sickinger
SEISMOLOGIST

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PROVISIONAL READINGS AT VALDIVIA

39° 47' 24" S 73° 16' 00" W h 12 m

Dec.24 e	16:33:39	Dec.25 eP	10:45:38
1967 e(S)	34:48	1967 eP	45
		eS	49:14
eP	20:13:06	eS	27
ePcP	14:10	e	52:22
eS	21:03	Dist.	2300 Km.
eScS	23:00		
L	32:00	27 eP	09:22:07
Dist.	6300 Km.	eS	25:38
		Dist.	2300 Km.
		depth	focus

R. Schulz
SEISMOLOGST

PROVISIONAL READINGS AT ANTOFAGASTA

23° 42' 18" S 70° 24' 55" W h 80 m

Dec.06 eP	13:54:01.5	Dec.07 iP	10:43:42.7	Dec.09 eP	04:04:41.0
1967 eS	54:17.5	1967 eS	44:18.8	1967 eS	52.7
Dist.	130 Km.	Compression from E		Dist.	about 100 Km.
		Dist.	320 Km.		
eP	14:08:27.6	eP	16:29:15.5	eP	04:16:30
eS	42.7	eS	34.5	eS	57.7
Dist.	120 Km.	Dist.	160 Km.	Dist.	about 240 Km.
iP	14:58:11.7	eP	18:14:14.4	eP	07:02:12.0
eS	49.3	eS	36.5	eS	31.5
i	51.2	Dist.	about 190 Km.	Dist.	170 Km.
Compression from E					
Dist.	350 Km.	eP	18:17:52.5	eP	09:05:27.9
		e(S)	18:15.2	eP	09:27:14.3
eP	19:08:32	eP	18:33:18.7	e(S)	28:13.6
eS	46.5			i	25.5
Dist.	about 110 Km.	eP	20:44:06.5	eP	09:37:14.8
		e(S)	39.0	eS	41.5
07 eP	00:21:49				
eS	22:08.0	08 eP	07:03:31.8	iP	13:00:16.1
Dist.	about 160 Km.	eS	04:12.5	eS	32.4
		Dist.	380 Km.	i	34.5
eP	01:07:(19.5)			Dilatation from S	
eS	08:15.8	eP	12:16:38.6	Dist.	about 130 Km.
		eS	18:09.4		
e(S)	03:26:29.2	Dist.	about 880 Km.	iP	16:37:03.8
				iS	40.7
eP	03:38:50.5	eP	14:53:30	Compression from ESE	
eS	39:25.0	e(S)	47.0	Dist.	330 Km.
Dist.	about 320 Km.	e	55.4		
				eP	19:42:10.6
iP	04:29:23.6	eP	19:50:31	eS	58.1
eS	58.7	eS	52.3	i	59.2
Compression from E		Dist.	about 180 Km.	Dist.	450 Km.
Dist.	310 Km.				
e(P)	05:34:14	eP	23:12:23.2	10 eP	00:01:39.5
eS	48			eS	45.5
		09 eP	00:15:31	Dist.	about 50 Km.
eS	09:16:30.7				
		eP	00:17:59.4	eP	02:02:47.0
eP	10:02:26	iS	18:24.0	eS	03:57.5
eS	58.7	Dist.	220 Km.	Dist.	about 680 Km.
Dist.	about 290 Km.				

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PROVISIONAL READINGS AT ANTOFAGASTA

Dec.10 1967	eP 03:34:17.1 eS 41.5 Dist. 210 Km.	Dec.11 1967	eP 07:08:29.0 iS 47.5 Dilatation from S Dist. about 160 Km.	Dec.13 1967	eP 12:13:42.0 eS 14:02.5 Dist. about 170 Km.
	eP 03:43:47.8 e(S) 45:08.5 i 13.4		eP 11:20:20.0 i 21.2 iS 41.3 Dist. \approx 180 Km.		eP 19:47:51.8 eS 48:30.3 Dist. about 350 Km.
	eP 06:19:15.0 eS 29.5 Dist. about 111 Km.		eP 14:57:57 eS 58:22.0 Dist. about 220 Km.	14	iP 03:21:11.8 iS 24 Dilatation from ESE Dist. 100 Km.
	eP 07:01:11.3 iS 15.9 Dist. about 40 Km.		eP 17:31:05.1 eS 21.6 Dist. about 140 Km.		eP 04:55:12.2 eS 32.7 Dist. about 180 Km.
	eP 10:15:00.0		eP 18:50:41 eS 51:06.0 Dist. about 220 Km.		eP 10:42:08.7 eS 55.5 Dist. about 440 Km.
	eP 10:46:21.5 iS 46:50.1 Compression Dist. about 260 Km.	12	eP 04:40:30 eS 57.7 Dist. about 240 Km.		eP 12:22:05.0 eS 22:41.5 Dist. about 330 Km.
	eP 12:19:10.6 PZ 0.18 u; t=1.2 sec.		eP 12:43:53 eS 44:20.8 Dist. about 240 Km.		iP 15:01:22.2 iS 02:07.8 Compression from ENE Dist. about 430 Km.
	eS 14:31:44.5		eP 15:17:30.5 eS 46.3 Dist. about 130 Km.		eP 21:10:32.0 eS 11:09.0 Dist. about 330 Km.
	eP 15:48:27.5 eS 34.6 Dist. \approx 60 Km.		eP 22:56:22.5 eS 59.4 Dist. about 330 Km.		eP 21:40:16 eS 28.0 Dist. about 100 Km.
	eP 20:00:57.7	13	eP 03:15:00.6 eS 06.3 Dist. about 50 Km.	15	eP 01:08:35 e(S) 58.8
	eP 21:46:03.0 eS 36.7 Dist. \approx 310 Km.		eP 07:01:27.7 eS 42.8 Dist. about 120 Km.		eP 01:56:54.0 eS 57:11.2 Dist. about 140 Km.
	eP 22:46:03.6 eS 21.0 Dist. \approx 140 Km.		eP 09:00:59.0 eS 01:47.3 Dist. about 450 Km.		iP 07:00:16.5 e 21.7 iS 33.2 Dilatation from SSW Dist. about 140 Km.
	ePKP 23:11:03.0 eSKSP 24:40 e 28:16 eSS 33:12 eG 52:-- eR 00:03:48 Dist. 147°		eP 10:22:53 eS 23:15.5 Dist. about 200 Km.		
11	eP 02:11:24.9 e(S) 41.3		eP 10:57:36.0		
	eP 03:18:23.9 eS 19:09.5 Dist. \approx 420 Km.				

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3 OCT 1968 1.
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23° 42' 18" S 70° 24' 55" W h 80 m

Dec. 25 eP 01:42:35.8	Dec. 26 eP 03:56:10.9	Dec. 26 eP 18:13:46.8
1967 e 39.5	1967 e(S) 37.0	1967 eS 14:10.0
Distant shock		Dist. 200 Km.
e(P) 03:41:13.3	e(P) 05:29:20.6	eP 19:54:45.2
eP 03:59:(56.3)	e(S) 30:51.6	eS 55:11.2
eS 04:00:(21.8)	e 57.1	Dist. 230 Km.
Dist. about 230 Km.	eP 06:39:05.3	eP 23:59:55.5
eP 06:55:43.8	eS 26.0	eS 00:00:18.5
e 45.3	Dist. 180 Km.	Dist. 200 Km.
eS 56:06.1	eP 07:39:02.1	27 eP 00:37:39
Dist. 190 Km.	eS 27.6	eS 38:02.0
eP 08:49:40	Dist. 230 Km.	Dist. about 200 Km.
eS 50:(06.8)	eP 08:08:49.6	eP 03:06:04.0
Dist. 240 Km.	eS 09:18.4	eS 10.3
iP 10:42:04.2	i 19.4	Dist. 60 Km.
iS 20	Compression	eP 04:22:56.4
Compression from NNW	Dist. 260 Km.	eS 24:16.0
Dist. 130 Km.	eP 08:14:38.8	Dist. 770 Km.
eP 11:07:43.7	eS 15:17.9	eP 04:50:25
eS 08:05.0	Dilatation	eS 48.5
Dist. 180 Km.	Dist. 360 Km.	Dist. about 200 Km.
eP 11:34:36.0	eP 08:33:00.6	eP 05:19:01.2
eS 59.8	eS 17.6	eS 10.0
Dist. 210 Km.	Dist. 140 Km.	i 12.5
eP 11:53:37.7	eP 09:26:50.3	Dist. 80 Km.
e 50.3	eS 27:24.2	eP 06:41:25.0
e(S) 54:09.7	Dist. 310 Km.	i(S) 42:22.3
eP 19:09:26.7	eP 10:05:15	iP 06:51:55.8
eS 45.2	eS 39.6	eS 52:55.7
Dist. 160 Km.	Dist. about 320 Km.	Compression from SE
eP 20:14:00.7	eP 13:10:(13.2)	Dist. 570 Km.
eS 21.0	eS (54.1)	e(P) 08:16:40
Dist. 170 Km.	Dist. about 370 Km.	eS 17:01.8
eP 22:18:49.8	eP 16:56:47.0	iP 09:18:38.9
eS 19:30.1	e 51.1	iS 19:10
Dist. 360 Km.	eS 56.4	Compression from NNE
eP 23:44:39.9	Dist. 170 Km.	Dist. about 280 Km.
eS 45:00.4	eP 17:15:38.2	eP 09:33:38.9
Dist. 180 Km.	eS 53.0	eS 34:07.9
26 eP 03:55:08.1	Dist. 108 Km.	Dist. 260 Km.
eS 19.4	eP 18:11:41.0	eP 09:54:48.4
Dist. 90 Km.	eS 12:53.0	i(S) 55:20
	Dist. 690 Km.	

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Dec.27 1967	eP 10:06:33.4 eS 54.9 Dist. 190 Km.	Dec.28 1967	e(P) 08:13:58.6 e(S) 15:02.5	Dec.30 1967	eP 19:15:46.5 Local
	iP 10:49:15.9 iS 40 Compression from NE Dist. about 230 Km.		eP 17:39:36.2 e 40:18.4		eP 20:04:26.5 eS 55.0 Dist. 160 Km.
	eP 11:48:32.4 eS 43.6 Dist. 90 Km.		e(P) 20:04:38.9 eS 05:08.8		iP 22:34:09.2 eS 48.5 Dist. 350 Km. Compression from NE
	eP 12:35:58 e(S) 36:25.9		iP 23:10:20.5 iS 39.6 Dist. 160 Km. Dilatation from ENE		e(P) 23:13:38 eS 56.2
	eP 15:44:49.1 eS 45:20.9 Dist. 290 Km.	29	eP 01:23:05.3 i 06.1 eS 51.3 Dist. 430 Km.	31	eP 09:37:40.7 e(S) 38:35.4
	eP 16:36:03.4 eS 46:40 ePPS 48:24 eSS 52.5 i 53:36 eR 17:05:06 PZ 0.24 u, t 1.1 sec Mag 6 $\frac{1}{4}$ Dist. about 88°		eP 04:42:05.3 e(S) 31.6		eP 14:12:35.9 eS 52.0 Dist. 130 Km.
	eP 17:10:58.6 eS 11:31.6 Dist. 300 Km.		eP 07:32:34.0 eS 33:05.3 Dist. 280 Km.		eP 15:04:39.0 eS 05:04.5 Dist. 230 Km.
	eP 18:33:44.7 eS 34:05.9 Dist. 180 Km.		eP 09:46:03.6 e(S) 27.8		iP 15:12:28.7 iS 45.1 Dist. 130 Km. Compression from NE
	eP 20:53:42.1 eS 54:20.7 Dist. 350 Km.		eP 10:52:52.1 Local		eP 17:09:37.6 i 51.4 i(S) 10:06.1 Two shocks?
	eP 21:38:48.5 eS 39:07.4 Dist. 160 Km.		eP 14:45:27.7 eS 45.7 Dist. 150 Km.		eP 18:40:28 eS 41.9 Dist. about 210 Km.
28	eP 03:24:49 eS 25:09.8 Dist. about 180 Km.		eP 14:47:13.2 eS 30.5 Dist. 140 Km.		eP 18:48:40.6 eS 49:04.1 i 06.7 Dist. 210 Km.
	eP 04:49:54.0 eS 50:14.1 Dist. about 170 Km.	30	eP 21:22:(07.2) eS 29.2 Dist. about 190 Km.		eP 19:11:20.9 e(S) 45.7
	eP 06:39:00.0 Distant shock		iP 02:14:53.8 i(S) 15:11.3 Dilatation from SSW		eS 20:38:46.9
	e(PKP) 07:14:19.3 Distant shock		eP 03:34:17 iS 38.5 Dist. about 180 Km.		eP 20:44:21.9 eS 46.4 Dist. 220 Km.
			e(P) 09:42:41 e 52.2 eS 43:07.6		eP 21:45:01.4 iS 06.7 Dist. 50 Km.
			e(P) 12:11:13 eS 38.1		

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Dec.31 1967	eP 23:12:35.4 eS 49.7 Dist. 110 Km.	Jan.01 1968	iP 20:19:46.7 e(S) 20:09.7 i 30.6 Dilatation from S	Jan.03 1968	eP 05:32:35.1 eS 53.6 Dist. 160 Km.
	eP 23:14:34.7 e(S) 55.7		iP 20:36:43.6 Compression from NE Superimposed to precedent shock		eP 06:45:34.9 eS 53.0 Dist. 150 Km.
Jan.01 1968	eP 07:04:36.2 eS 57.0 Dist. 180 Km.	02	eP 07:41:04 eS 42:(04.7) Dist. about 580 Km.		eP 08:21:14.4 eS 38.9 Dist. 220 Km.
	eP 08:28:24.4 eS 29:01.4 Dist. 340 Km.		eP 08:40:(38.7) eS 41:13.7 Dist. about 310 Km.		eP 08:27:09 eS 30.6 Dist. about 180 Km.
	eP 08:44:33 eS 45:17.0 Dist. 410 Km.		iP 09:43:00.9 iS 05.7 Dist. 40 Km.		eP 11:49:04.4 eS 50:04.4 e 20.1 Dist. 580 Km.
	eP 09:06:28.6 eS 37.8 Dist. 80 Km.		eP 12:31:42 eS 32:09.0 Dist. 240 Km.		iP 12:45:17.8 iS 23.1 Dist. 50 Km. Compression from S
	eP 12:05:53.0 eS 06:13.7 Dist. 180 Km.		eP 13:47:54.8 eS 48:15.5 Dist. 180 Km.		eP 14:38:24 eS 48.2 Dist. about 210 Km.
	eP 13:27:52.7 eS 28:14.3 Dist. 190 Km.		eP 13:54:36.3 eS 51.8 Dist. 130 Km.		eP 20:04:47.6 eS 05:(34.9) Dist. about 450 Km.
	eP 15:14:06.2 eS 29.8 Dist. 200 Km.		eP 19:13:25.3 eS 43.5 Dist. 150 Km.		eP 20:47:12 eS 39.3 Dist. about 240 Km.
	eP 16:37:(19.8) Local		iP 22:46:00.5 iS 44.0 Dist. 370 Km. Compression from NE		eP 23:47:(11.3) eS 42.0 Dist. about 280 Km.
	iP 17:34:36.2 iS 35:13.0 Dist. 330 Km. Compression from NE	03	eP 01:46:14.7 eS 48.2 Dist. 310 Km.	04	eP 02:40:21.4 eS 32.6 Dist. 90 Km.
	eP 18:58:36.5 eS 59.8 Dist. 200 Km.		eP 02:21:21.4 eS 22:01.9 Dist. 370 Km.		eP 04:28:51.2 eS 29:30.8 Dist. 360 Km.
	eP 19:09:11.0 eS 10:44.8 Dist. 910 Km.		eP 02:27:44.6 eS 28:07.6 Dist. 200 Km.		eP 06:01:(36.4) e(S) 02:07.5
			eP 02:57:(13.4) e 15.1 eS 36.7 Dist. about 200 Km.		eP 06:19:43.8 eS 20:24.0 Dist. 360 Km.
					eP 08:16:20.5 eS 39.1 Dist. 160 Km.

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<p>Jan.04 eP 10:26:46 1968 e(S) 27:10.7</p> <p>eP 12:15:16.5 eS 52.0 Dist. 320 Km.</p> <p>e(P) 12:35:40 e(S) 36:26.4</p> <p>eS 12:44:09.5</p> <p>e(S) 13:32:30.7</p> <p>eP 14:03:07.5 eS 28.9 Dist. 180 Km.</p> <p>iP 14:49:04.2 i(S) 37 i 38 Compression from N</p> <p>eP 20:05:36.6 eS 06:15.6 Compression from N Dist. 350 Km.</p> <p>e(P) 20:13:29.7 i 31.9 iS 57.1 Two shocks</p> <p>eP 23:55:08.7 e(S) 23</p>	<p>Jan.06 eP 06:21:42.3 1968 eS 22:31.2 Dist. 470 Km. Compression</p> <p>eP 10:54:58.4 eS 55:24.9 Dilatation Dist. 230 Km.</p> <p>eP 12:40:41 e 52.2 e(S) 41:09.1</p> <p>e(P) 13:33:08 e(S) 41</p> <p>eP 13:50:58.3 i 51:55 i(S) 52:33.7 i(S) 44 Two shocks</p> <p>iP 16:49:16.5 eS 56.6 Compression from NNE Dist. 360 Km.</p> <p>e(P) 16:54:18.7 eS 25.3</p> <p>e(P) 19:07:28</p> <p>e(P) 19:44:28 i 46.7 iS 57 Two shocks</p> <p>iP 23:28:22.1 Compression from SSW Local?</p>	<p>Jan.07 eP 18:58:00.1 1968 eS 46.8 Compression from S Dist. 440 Km.</p> <p>e(P) 23:06:06 eS 32.7</p> <p>08 eP 06:39:25.0 eS 38.7 Dist. 110 Km.</p> <p>eP 06:50:05.4 iS 34.4 Compression from NW Dist. 270 Km.</p> <p>eP 18:45:41.1 i 42.4 iS 46:38 Dilatation from NNE</p> <p>eP 20:30:29 eS 37:05 eSS 40:06 eR 43:40 PZ 0.10 u T 1.0 sec. Mag. about 5.7 From NE Dist. 45°</p> <p>e 22:18:11 e 19:21 e 20:40 e(SS) 25:00 e 26:00 eG 32.9 eR 38.6 From SW</p> <p>19 eP 13:16:03.2 iS 07.8 Compression Dist. 40 Km.</p> <p>eP 18:20:15.0 i 15.3 eS 56.8 Dist. 370 Km. Compression from ESE</p> <p>eP 18:42:43 i(S) 43:10.8</p> <p>eP 18:50:22.2 eS 37.8 Dist. 30 Km.</p>
<p>05 eP 02:47:00.1 eS 16.7 Dist. 130 Km.</p> <p>eP 05:12:53.6 e(S) 13:32</p> <p>iP 06:12:28.1 iS 33.4 Compression from N Dist. 40 Km.</p> <p>e(P) 16:33:14 eS 37.4</p> <p>eP 17:45:32.2 eS 51.8 Dist. 160 Km.</p> <p>e(P) 21:38:19.0 e(S) 47</p>	<p>07 eP 00:24:18.1 Compression Local? PZ 0.28 u T 0.8 sec.</p> <p>e(P) 00:36:23</p> <p>e(P) 06:13:39 e(S) 14:03</p> <p>eP 14:00:58.8 Local?</p> <p>eP 14:09:39.8 eS 52.6 Compression from N Dist. 100 Km.</p>	
<p>06 eP 05:44:09.7 eS 32.6 Dist. 200 Km.</p>		

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<p>Jan.10 e(P) 00:11:10 1968</p> <p>eP 00:33:30.6 eS 34:00.0 Dist. 260 Km.</p> <p>eP 01:17:34 e(S) 54</p> <p>iP 05:55:20.1 Compression from S</p> <p>eP 11:26:44.5 e(S) 27:05.7 i 07.3</p> <p>eP 11:56:40.2 e(S) 57:33</p> <p>eP 14:15:28.3 eS 44.0 Dist. 130 Km.</p> <p>eP 18:07:28.3 eS 35.7 Dist. 55 Km.</p>	<p>Jan.12 iP 02:46:27.6 1968</p> <p>e(S) 34.9 e(S) 47:06.8 i 07.6 Compression from E Two shocks?</p> <p>iP 04:06:29.1 iS 46.4 Dist. 140 Km. Compression from ENE</p> <p>eP 04:27:40.4 eS 28:05.5 i 07.1 Dist. 220 Km.</p> <p>eP 05:50:(06) e(S) 34</p> <p>eP 10:29:17.7 eS 44.1 Dist. 230 Km.</p> <p>eP 19:05:28.9 i 35.1 i 38.9</p>	<p>Jan.13 eP 15:50:57.5 1968</p> <p>eS 51:38.3 Dist. 370 Km. Compression</p> <p>eP 15:57:33 e(S) 59:03</p> <p>iP 16:07:52.4 i(S) 08:28 Compression from SE</p> <p>iP 16:22:53.3 i(S) 23:29 Compression from ESE</p> <p>eP 16:25:56.0 eS 26:31.1 Dist. 310 Km.</p> <p>eP 16:30:50.7 e(S) 31:26</p> <p>eP 16:37:31.3 eS 38:07.4 Dist. 320 Km. Compression from ESE</p> <p>eP 16:42:05.3 eS 43.4 Dist. 340 Km.</p> <p>eP 16:55:22.0 eS 57 Dist. about 310 Km.</p> <p>iP 17:21:22.5 iS 57.7 i 58.5 Dist. 310 Km. Compression from ESE</p> <p>eP 17:37:25.9 eS 38:01.8 Dist. 320 Km.</p> <p>eP 17:47:31.8 eS 48:07.3 Dist. 310 Km.</p> <p>eP 18:03:12.6 eS 47.3 Dist. 310 Km.</p> <p>eP 18:52:59.9 eS 53:48.0 Dist. 460 Km.</p>
<p>11 eP 02:45:13.1 i(S) 46:24.4 i 47:09.7 Two shocks?</p> <p>eP 14:08:51.5 e 09:02.1 iS 07.0 Dist. 130 Km.</p> <p>eP 15:31:17.1 e(S) 34 i 42.2</p> <p>iP 15:54:18.8 iS 22.8 Dist. 30 Km. Dilatation from W</p> <p>iP 22:27:11.1 iS 47.0 Dist. 320 Km. Compression from WSW</p>	<p>13 iP 04:36:49.0 iS 37:16.7 Dist. 250 Km. Dilatation from N</p> <p>iP 04:41:26.8 eS 42:27.3 i 28.0 Dist. 360 Km. Compression from E</p> <p>iP 05:13:09.4 iS 14.9 Dist. 40 Km. Dilatation from S</p> <p>eP 06:36:56.1 i 56.6 eS 37:39 Dist. about 400 Km.</p> <p>ePKP 07:23:51 ePP 28:50 eSS 49:-- Doubtful interpretation</p> <p>iP 14:13:00.6 iS 07.8 Dist. 60 Km. Compression from SE</p>	
<p>12 eP 01:31:42.2 eS 56.1 Dist. 110 Km.</p> <p>eP 02:23:20.0 eS 32.8 Dist. 100 Km. Dilatation</p>		

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Jan.13 eP 18:56:13.2	Jan.14 eP 01:58:52.3	Jan.14 eP 13:04:48
1968 i 53.7	1968 eS 59:27.0	1968 eS 05:06
e 57:38.5	Dist. 310 Km.	Dist. about 140 Km.
eS 49	eP 03:13:59	eP 16:33:31.4
Dist. about 320 Km.	eS 14:14	eS 34:06
Compression	Dist. 120 Km.	Dist. about 310 Km.
iP 19:36:46.2	eP 04:48:08.5	e(P) 20:08:25
e(S) 37:18.5	eS 43.8	i(S) 43.5
i 20.7	Dist. 310 Km.	Two shocks?
Compression from ESE	iP 04:58:43.7	eP 21:04:23.6
eP 19:45:27.9	iS 59:42.0	eS 59.1
i 28.3	Dist. 570 Km.	Dist. 310 Km.
eS 46:03.7	Dilatation from NNE	Dilatation
i 05.2	iP 05:26:33.5	eP 22:27:49.2
Dist. 320 Km.	i 33.9	i 49.6
Compression?	eS 27:08.4	eS 28:24.9
eP 20:23:45.3	i 09.3	i 26.0
eS 24:21	Dist. 310 Km.	Dist. 320 Km.
i 22.0	Compression from ESE	Dilatation
Dist. about 320 Km.	eP 06:12:52.7	eP 22:35:06.6
Compression	eS 13:27.2	eS 14.6
iP 21:30:15.5	Dist. 310 Km.	Dist. 60 Km.
iS 52	eP 07:09:17.4	Dilatation
Dist. 320 Km.	eS 52.7	15 e(P) 03:14:19
Compression from E	Dist. 310 Km.	e(S) 44
eP 20:16:46.9	eP 08:27:30.0	iP 10:34:39.6
iS 53.0	eS 28:06	iS 56.6
Dist. 50 Km.	Dist. about 320 Km.	Dist. 140 Km.
Dilatation	eP 10:41:50	Compression from ENE
eP 21:59:03.3	Local	eP 12:24:55.6
eS 38.3	eP 11:02:44.3	i 55.9
Dist. 310 Km.	e(S) 03:20	iS 25:14.4
iP 22:11:19.3	Compression from E	i 15.6
iS 55.0	eP 11:22:11.0	Dist. 160 Km.
Dist. 320 Km.	iS 46	Dilatation
Compression from E	Dist. about 310 Km.	iP 14:01:29.7
eP 22:13:53.3	iP 12:44:33.0	i 30.2
eS 14:29	PZ 0.17 u T 1.0 sec.	eS 02:08.9
Dist. about 320 Km.	Compression from SSE	Dist. 360 Km.
Compression	iPKP 12:48:03.9	Compression from E
eP 22:41:11.2	Compression	eP 15:00:52.7
e(S) 45:21	Superimposed to	eS 01:09.6
eL 46.0	precedent shock	i 10.3
PZ 0.09 u T 1.1 sec.	eP 12:55:01.0	Dist. 140 Km.
Dist. about 23°	i 01.5	Compression
eP 23:04:40.1	eS 37.6	eP 16:59:23.7
i 40.7	i 38.4	eS 56.5
eS 05:15.2	Dist. 330 Km.	Dist. 290 Km.
Dist. 310 Km.	Compression	Compression
Dilatation		

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Jan.15 1968	eP 19:13:39.5 eS 45.8 Dist. 50 Km. Compression from ESE	Jan.17 1968	eP 05:02:08.4 eS 54.1 Dist. 430 Km. Compression from E	Jan.18 1968	iP 23:04:56.6 eS 05:35.9 Dist. 310 Km. Compression from E
	eP 19:50:38.5 e(S) 51:26.9		eP 06:50:07 eS 45.3 Dist. about 340 Km.	19	iP 01:32:40.0 iS 33:18.3 Dist. 350 Km. Compression from ESE
	eP 21:39:11.3 e(S) 48.5		eP 06:53:10.2 eS 50.9 Dist. 370 Km.		eP 04:56:28.1 e(S) 55
	e(P) 22:33:12.5 e(S) 37		iP 06:55:38.2 i 38.9 iS 56:14.1 Dist. 320 Km. Compression from ESE		eP 05:49:24.2 iS 29.9 Dist. 40 Km.
	eP 23:58:21.8 i 22.3 eS 56.7 i 58.2 Dist. 310 Km. Dilatation		eP 17:48:25.0 eS 49:04.6 Dist. 360 Km.		ePKP 06:23:(30) ePP 25:10 eSKS 30:39 eSKKS 32:13 e(SP) 34:53 ePS 35:02 eSS 42.0 eG 55 eR 07:01:09 From SW MH 35 u T 21sec. Mag about 6.8 Dist. about 1250 Km.
16	e(P) 02:42:17.5 eS 44		e(P) 22:22:38.5 Local		eP 08:50:03.8 eS 16.9 Dist. 110 Km.
	eP 05:44:33.7 i 34.1 e(S) 45:14.4	18	eP 01:45:58.1 eS 46:35.2 Dist. 330 Km.		iPKP 14:31:36.3 e 41.3 Compression
	eP 07:04:58.5 eS 05:06.9 Dist. 60 Km.		eP 03:14:16.2 e(S) 15:03.0 i 04.7 Compression		eP 14:44:01.9 eS 47:38 Dist. 20° Dilatation from S
	eP 13:38:37.8 i 38.8 iS 59.4 Dist. 190 Km. Compression from ENE		eP 14:32:44.0 i 44.4 eS 33:19.5 Dist. 310 Km. Dilatation		iPKP 18:26:47.1 Compression
	eP 14:22:04.0 eS 39.5 i 41.8 Dist. 320 Km.		eP 16:07:04.3 i 04.7 eS 39 i 40.2 Dilatation Dist. 310 Km.		e(P) 18:18:03 eS 38.5
	eP 16:29:52 e(S) 30:39.5		eP 17:24:12.7 eS 25:03.2 i 04.3 Dist. 480 Km. Dilatation from E		eP 22:04:30.8 iS 37.8 Dist. 50 Km. Compression
	e(P) 18:33:55.0 e(S) 34:19		eP 19:30:41 e(S) 12		
	iP 22:10:34.9 eS 11:13.4 i 14.7 Dist. 350 Km. Compression		iP 20:31:49.3 iS 32:09.2 Dist. 170 Km. Compression	20	e(P) 00:22:57 e 57.8 e(S) 23:16.9 i 18.7 From NE
	iP 23:03:03.8 iS 41.3 Dist. 340 Km. Compression from ESE				

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<p>Jan. 20 1968 eP 06:53:15.3 eS 55.6 Dist. 370 Km.</p> <p>eP 09:06:13.3 eS 50.6 Dist. 330 Km.</p> <p>e(P) 16:08:55 Local</p> <p>eP 16:11:50.2 i 51.1 e(S) 12:14.0 Compression</p> <p>eSKS 17:06:07 ePS 08:42 e(SS) 13.5 eG 23.5 eR 27:50 Dist. 100° From WSW</p> <p>iP 20:32:02.1 iS 39.1 Dist. 330 Km. Compression from ESE</p> <p>e(P) 20:42:24.0 eS 49.2</p> <p>eP 21:34:09.1 iSKS 44:12 e(S) 47 ePS 45:56 eSS 51.2 e(R) 22:06:06 Dist. about 30° PZ 0.15 u A 0.9 Dilatation</p>	<p>Jan. 21 1968 iP 11:21:49.5 eS 22:04.9 Dist. 120 Km. Compression from ENE</p> <p>eP 13:33:29.0 i 29.3 eS 34:09.0 Dilatation from ENE Dist. 360 Km.</p> <p>iP 14:08:19.7 i 20.3 iS 36 Dist. about 130 Km. Compression from SSE</p> <p>eP 16:52:25 e 29 eS 17:00:35 eSS 04:25 eG 06:42 eR 09:27 From SE? Dist. 59°</p> <p>eP 18:27:41.4 e(S) 28:01 Dilatation from N</p> <p>e(P) 19:24:09.0 eS 31.7 i 34.0</p> <p>eP 23:52:44.1 epP 53:15 esP 32 e(PP) 54:26 eS 59:11 esS 00:00:08 e(SS) 02:30 eG 03:37 eR 05 H about 130 Km. PZ 0.06 u 0.9 sec. Compression</p>	<p>Jan. 22 1968 iP 10:06:56.5 eS 07:07.5 Dist. 90 Km. Dilatation from SSE</p> <p>eP 13:02:53.6 eS 03:30.0 Dist. 330 Km.</p> <p>eP 13:08:09.5 e 18.2 e(S) 20.6</p> <p>eP 13:24:07.0 e(S) 26</p> <p>eP 13:34:35.1 eS 55.5 Dist. 170 Km. Dilatation from E</p> <p>eP 15:38:29.2 eS 39:05 Dist. about 320 Km.</p> <p>eP 17:26:21.8 eS 55 Dist. about 300 Km.</p> <p>eP 17:39:03.2 eS 42.7 Dist. 360 Km.</p> <p>e(G) 17:52:29 eR 54.3 From W</p> <p>eP 19:30:09.2 eS 55 Dist. about 440 Km.</p> <p>eP 20:38:04.8 e(S) 42</p> <p>23 eP 04:09:03.8 Local</p> <p>eP 07:28:51.9 e(S) 29:14.0</p> <p>eP 07:33:51.9 eS 34:41.2 Dist. 470 Km.</p> <p>iP 14:33:50.9 i(S) 34:51.1 Dilatation from SSE</p>
<p>21 eP 01:40:20.7 e 41:06 PZ 0.07 u T 0.7 sec.</p> <p>e(P) 02:56:27 eS 57:03.0</p> <p>eP 04:26:29.0 eS 46.1 Dist. 140 Km.</p> <p>e(P) 09:18:39 eS 53.3</p>	<p>22 eP 00:13:56.0 e(S) 14:15.5</p> <p>eP 01:09:25 eS 54.5 Dist. about 200 Km.</p> <p>eP 04:29:18.7 eS 44.1 Dist. 220 Km. Compression from E</p>	

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Jan. 23 eR 17:00.4 1968 From WNW	Jan. 25 eP 04:50:41.8 1968 e(S) 53 Compression from S	Jan. 26 eP 16:08:41.6 1968 e(S) 09:15.5 e 16.8
e(P) 19:01:16.5 e 20.2	eP 08:16:17.6 iS 31.2 Dilatation Dist. 110 Km.	eP 18:59:28.9 eS 19:00:07.6 Dist. 350 Km.
eP 20:28:42.3 eS 29:10.4 Dist. 250 Km.	e(P) 08:59:40 e(S) 09:00:07.6	eP 20:37:23 Local
eP 22:20:18.8 e(S) 21:03	iP 10:25:49.7 eS 26:35.8 Dist. 440 Km. Dilatation from ENE	eP 22:34:04.1 eS 17.4 Dist. 100 Km.
eS 22:39:40.0 i 44.0	eP 11:48:46 e(S) 49:12	27 eP 09:47:06.0 eS 41.6 Dist. 320 Km.
iP 22:42:26.4 eS 43:04.4 Dist. 340 Km. Compression from ESE	eP 14:39:00.3 eS 35.8 Dist. 310 Km.	eP 10:46:18.1 eS 54 Dist. about 320 Km. Compression
24 iP 08:16:59.2 eS 17:39.2 Dist. 360 Km. Compression	26 eP 02:29:34.1 PZ 0.10 u T 0.8 sec. Local	e(P) 13:05:04 Local
eP 14:46:52 e(S) 47:15 e 19	ePKP 05:05:22.3 e 26 ePP 08:58 eSS 27:42 eSSS 33:06 eG 46.3 eR 54.3 Dist. about 148° Compression	eP 18:16:24.3 iS 16:38.1 Dist. 110 Km.
eP 16:00:51.8 i 52.2 eS 01:27.0 Dist. 310 Km. Dilatation from E?	e(P) 05:13:03	28 iP 01:56:31.2 i 34.3 PZ 0.14 u T 1.0 sec. Compression
eP 17:48:48.8 eS 49:08.2 Dist. 160 Km.	eP 06:27:47.2 iS 52.2 Dist. 30 Km. Compression	eP 03:51:10.2 eS 36.3 Dist. 230 Km.
eP 18:49:08.0 i 08.5 eS 42.8 i 43.8 Dist. 310 Km. Dilatation from E?	e(P) 09:11:37 e(S) 13:17	e(P) 04:39:31.3 e(S) 41:00.2
25 eP 00:57:41.5 i 41.8 eS 58:23 i 24.6 Dist. about 380 Km. Dilatation	eP 11:27:49 eS 28:03.2 Dist. about 110 Km.	eP 05:21:13.3 eS 19.4 Dist. 40 Km.
iP 01:19:52.1 iS 20:30 Dist. 340 Km. Compression from ESE	e(P) 12:41:08.0	e(P) 06:40:56 Local
	eP 15:34:54.8 eS 35:02.5 Dist. 60 Km.	eP 10:47:21.3 i 21.7 eS 37.4 i 37.9 Dist. 120 Km.

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Jan. 28 1968	iP 13:42:05.7 iS 20.0 Dist. 110 Km. Compression from ESE	Jan. 29 1968	eP 09:24:18 eS 30:34 eG 33:42 eR 35:31 Dist. 43° From W	Jan. 30 1968	eP 09:26:51.5 e(S) 28:23 e(P) 14:11.2 eS 12:42.8 eP 14:47.7 e(S) 49:36.1 eP 19:32:43.7 eS 33:19.6 Dist. 320 Km.
	e(P) 13:53:26 e(S) 58 eP 15:07:59 e(S) 08:43 eP 15:21:07.5 i 09.1 e 22:18 i(S) 23:02 Compression eP 17:22:51 e(S) 23:24.6 iP 21:57:54.8 eS 58:00.8 Dist. 40 Km. Compression eP 23:19:34.5 eS 20:11.0 Dist. 330 Km.		iPKP 10:38:35.9 i 42.7 e 42:14.5 Doubtful interpretation Compression iP 13:49:14.1 eS 50 i 52.0 Dist. about 320 Km. Compression eP 13:59:57.2 iS 14:00:18.0 Dist. 180 Km. Dilatation eP 15:55:16 eS 51 e 52.2 Dist. about 310 Km.		eP 20:13:18.5 eS 46 Dist. about 250 Km. Compression from NE eP 20:36:52.1 eS 37:15.6 Dist. 150 Km. eP 22:12:15.5 Local eP 22:25:18.5 eS 58.6 Dist. 360 Km.
29	eP 01:11:39 e(S) 55 e(P) 02:02:15 e(S) 42 eP 05:06:42.5 eS 07:17.6 i 18.5 Dist. 310 Km. ePKP 05:19:18.6 e 24.9 Compression iP 06:06:15.5 iS 54.4 Dist. 350 Km. Dilatation from E iP 07:01:42.1 iS 51.4 Dist. 70 Km. Dilatation from NE e(P) 07:46:46.5 eS 57.8		ePKP 17:02:20 eP 17:43:23.3 e(S) 41 eP 19:32:19 Local eP 21:21:59.6 eS 22:38.0 Dist. 350 Km. eP 23:18:11.4 eS 19:00.4 Dist. 470 Km. Dilatation iP 23:59:57.7 iS 00:00:38.2 Dist. 370 Km.	31	eP 00:53:52.8 eS 55:16.7 Dist. 810 Km. iP 02:05:24.6 iS 06:58 Dist. about 920 Km. Compression from SE eP 04:52:50.2 e(S) 54:13.4 e(P) 06:38:08.9 eS 29.9 eS 07:11:08.8 eP 09:59:03.7 eS 16.7 Dist. 100 Km. eP 14:13:25 eS 14:46.0 Dist. about 790 Km. e(P) 14:16:10.1

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<p>Feb.01 1968 eP 00:03:11.0 eS 30.9 Dist. 170 Km.</p> <p>eP 09:59:08.8 eS 51.3 Dist. 390 Km.</p> <p>eP 10:27:23.5 eS 29:15.6 Dist. 1000 Km.</p> <p>eP 11:32:54.7 eS 34:50.7 Dist. 1000 Km.</p> <p>eP 12:46:50.2 eS 47:30.0 Dist. 360 Km.</p> <p>ePKP 13:06:55.5</p> <p>eP 13:30:42 eS 31:04.8 Dist. about 190 Km.</p> <p>eP 13:58:42.5 e(S) 59:10.1</p> <p>eP 19:08:37 e(S) 09:21.8</p> <p>eP 20:27:36 eS 54.4 Dist. about 150 Km.</p>	<p>Feb.02 1968 eP 19:19:36.5 Local</p> <p>eP 20:37:29.0 eS 49.3 e 38:13.6 Two shocks</p> <p>03 eP 00:47:36.7 eS 58.6 Dist. 190 Km.</p> <p>eP 02:44:29.4 i 31.4 iS 54.7 Dist. 220 Km.</p> <p>eP 03:42:13.6 eS 41.9 Dist. 250 Km.</p> <p>e(P) 05:14:19.9 eS 39.3</p> <p>eP 05:45:04.1 epP 10.6 eS 52:12 eR 59:40 PZ 0.3 u T 1.5 sec. MAG about 6 Dist. 51°</p> <p>eP 08:53:46.7 eS 54:26.1 Dist. 350 Km.</p> <p>eP 09:45:43.8 eS 46:33.9 Dist. 470 Km.</p> <p>e(P) 11:45:59.0 eS 48:05.8</p> <p>iP 15:48:55.4 ipP 49:36.7 PZ 0.6 u T 1.2 sec.</p> <p>eP 22:18:45.3 i 52.9 i(S) 19:06.1</p> <p>eP 22:28:(34.5) eS 57.6</p> <p>04 eP 01:28:58.0 eS 29:26.2 Dist. 250 Km.</p>	<p>Feb.04 1968 iP 01:43:05.7 eS 10.3 i 11.4 Dist. 40 Km. Dilatation</p> <p>eP 03:43:56.5 eS 44:32.1 Dist. 320 Km.</p> <p>eP 04:18:11.0 eS 46.3 Dist. 310 Km.</p> <p>eP 04:46:51.3 eS 47:12.5 Dist. 180 Km.</p> <p>eP 09:12:40.0 eS 13:16.2 Dist. 320 Km.</p> <p>ePKP 11:05:26.8</p> <p>iP 11:28:31.6 iS 29:08 Dist. 330 Km. Dilatation from NE</p> <p>eP 15:09:56.5 eS 10:16.2 Dist. 170 Km.</p> <p>iP 17:17:30.5 iS 18:07.7 Dist. 340 Km. Compression from ENE</p> <p>eP 22:04:50 eS 05:14.4 Dist. about 210 Km.</p> <p>iP 23:18:01.6 e(S) 36.9 Compression from ESE</p> <p>eP 23:33:31.1 S perturbed by precedent shock</p> <p>05 eP 00:03:45 e(S) 04:05.1</p> <p>eP 01:31:(13.1) eS 38:21.1 Dist. about 660 Km.</p>
<p>02 eP 00:19:02.3 i 02.6 i(S) 54.5</p> <p>eP 01:51:09.6 eS 48.1 Dist. 350 Km.</p> <p>eP 05:04:43.0 eS 05:12.2 Dist. 260 Km.</p> <p>eP 09:58:55.4 PZ 0.05 u T 0.9 sec.</p> <p>eP 10:55:55.0 eS 56:35.1 Dist. 360 Km.</p> <p>iP 15:53:20.5 eS 39.0 Dist. 160 Km. Compression from SSW</p>		

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Feb.05	iP	02:37:23.2	Feb.06	iP	11:20:35.0	Feb.07	eP	15:49:38.9
1968	e(S)	46.0	1968	i(S)	21:40	1968	eS	50:14.3
	i	52.6		Compression from S			Dist. 310 Km.	
	iP	06:58:05.4		eP	13:42:38.1		eP	19:12:06.3
	eS	19.3		Local			eS	22.8
	Dist. 110 Km.						Dist. 60 Km.	
	Compression from ENE			eP	13:53:46.8			
	eP	08:47:41.0		e(S)	54:21.9	08	eP	10:10:45.6
	eS	48:15.9		Dist. 310 Km.			i	46.3
	e	17.4		eP	14:14:24		iS	11:10
				e(S)	15:31.6		Dist. about 220 Km.	
	eP	09:28:44.0		i	34.7		Dilatation from NE	
	eS	29:22.2					eP	18:41:07.6
	Dist. 340 Km.			iP	16:45:40.0		e(S)	17.0
	eP	14:02:14.1		iS	46:13.8		Distant shock?	
	eS	03:43.9		Dist. 300 Km.			eP	22:53:08.9
	Dist. 870 Km.			Compression from E			e(S)	55:39
	eP	14:31:17.0		eP	16:50:(24.5)	09	iP	02:37:48.7
	e(S)	45.5		eS	50.0		e(S)	38:26.6
				Dist. about 230 Km.			i	27.5
	eP	17:42:41.0		e(P)	17:19:05.0		Compression from E	
	Local			e(S)	20:01.0		eP	04:27:19.2
							i(S)	42.8
	eP	21:17:38.8		eP	20:43:28.3			
	eS	54.4		eS	46.2		eP	09:15:44
	Dist. 130 Km.			Dist. 150 Km.			eS	16:11.5
06	eP	01:31:28.5	07	eP	00:04:48		Dist. about 240 Km.	
	eS	51.3		eS	05:05.3		eP	11:07:17.5
	Dist. 200 Km.			Dist. about 140 Km.			i	18.0
	iP	03:11:46.8		e(PKP)	00:41:43.3		eS	53.6
	iS	12:06.7					Dist. 320 Km.	
	Dist. 170 Km.			eP	02:49:51.6		Dilatation from E?	
	Compression from NE			eS	58.1		eP	12:14:52.2
	eP	04:57:06.9		Dist. 60 Km.			e(S)	15:17.3
	PZ 0.06 u T 1.0 sec.			eP	07:40:26.4			
	iP	05:31:38.8		eS	53.7		eP	16:27:02.4
	iS	32:01.3		Dist. 240 Km.			i	03.8
	Dist. 200 Km.			eP	08:52:(13.2)		eS	48.4
	Compression from SE			e(S)	47.5		Dist. 430 Km.	
	eP	05:58:03.8					Compression from E	
	e	04.8		eP	09:27:25		e(P)	17:25:16.7
	e(S)	31.6		Distant shock			Local	
	eP	07:18:38		iP	15:29:27.4		eP	20:54:11.4
	eS	19:13.7		eS	30:12.3		e(S)	34
	Dist. about 310 Km.			i	14.0	10	eP	01:12:49
				Dist. 430 Km.			eS	13:00.4
				Compression from SE			Dist. about 90 Km.	

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Feb.10 1968	eP i eS i	04:51:02.9 03.3 37.9 38.9	Feb.11 1968	iP Compression Local	21:52:03.7	Feb.13 1968	eP eS Dist. 410 Km. Compression from S? PZ 0.07 u T 0.9 sec.	07:58:29.4 59:52.0
	Dist. 310 Km. Dilatation from SE			eP eS Dist. about 240 Km.	21:57:12 40		eP eS Dist. 370 Km.	09:05:09.6 49.4
	eP eS Dist. about 330 Km.	05:43:23.5 44:00	12	iP iS Dist. 220 Km. Compression	03:52:03.3 28.7		eP eS Dist. 430 Km.	09:40:06.6 52.2
	e(P) i e(S) Compression	06:30:06 06.7 29		eP ePKP ePP eSKP e e e e eSS eG i eR Dist. about 139° Compression	06:00:38 03:50.6 05:53 07:13 41.1 14:11 15:30 16:39 23:15 38:-- 39.0 44.5		e(P) eS Dist. about 540 Km. Compression	09:45:59.7 46:17.1
	eP e(S)	10:17:37.9 18:04		e e e e e e(PKP)	41.1 14:11 15:30 16:39 23:15 38:-- 39.0 44.5 06:34:54		e(P) eS i	09:58:04 28 30.1
	iP i iS Dist. 310 Km. Compression from E	15:09:19.6 19.9 54.3		eP eS Dist. about 200 Km.	09:48:26 49.4		eP eS Dist. 340 Km. Compression	11:39:32.8 40:29
	eP eS i	19:33:18.8 53.6 54.6		eP i i(S) e	11:42:58.2 43:00.8 21 33	14	iP iS Dist. 320 Km. Compression from ESE	02:58:31.9 59:07.7
11	eP iS Dist. 120 Km. Compression from SE	01:49:02.9 17.8		eP eS Dist. about 160 Km.	13:42:58 43:25		eP i eS Dist. 340 Km. Compression	04:00:11.9 12.3 49.7
	eP e iS Dist. 340 Km.	02:58:18.6 52.3 56.4		eP eS Dist. about 350 Km.	15:55:48 56:07		iP iS Dist. 30 Km. Compression	04:19:05.9 10.7
	eP eS Dist. about 360 Km.	07:45:26.5 46:06		eP eS Dist. 350 Km.	17:12:09.8 48,3		eP eS Dist. about 350 Km.	04:38:45.7 39:25.9
	eP eS Dist. 180 Km.	07:53:57.4 54:18.0		eP eS Dist. 350 Km.	17:20:41.1 21:26		eP eS Dist. about 350 Km.	05:00:29.3 01:08
	eP e(S)	11:53:35.6 54:13.6	13	iPKP PZ 0.38 u T 1.4 sec.	02:32:01.2		e(P) eS	05:31:26 59
	eP eS Dist. 180 Km.	13:31:29.0 49.9		eP eS Dist. 330 Km.	03:01:45.6 02:22.1		eP i e(S) Compression from S?	08:10:37.5 41.0 11:07
	eP eS Dist. 270 Km.	15:57:55.0 58:25.3						
	iP eS Dist. 230 Km. Compression	19:50:34.0 51:00.1						
	eP eS Dist. 170 Km.	20:18:26.0 45.9						

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<p>Feb.14 eP 09:50:37.6 1968 eS 51:24.5 Dist. 450 Km. Compression</p> <p>eP 16:33:24.0 i 24.5 eS 34:03 i 04.4 Dist. 350 Km. Compression from SE</p> <p>eP 23:21:52.0 eS 49 Dist. about 550 Km.</p>	<p>Feb.16 e(P) 04:06:29 1968 e(S) 07:41.5</p> <p>eP 06:11:46.1 e(S) 12:24 e 25.9</p> <p>eP 07:07:48.5 eS 08:35.2 Dist. 450 Km.</p> <p>eP 07:22:00.8 eS 25.0 Dist. 210 Km. Compression</p> <p>ePKP 14:44:49.5</p> <p>eP 18:15:04.7 Local</p> <p>eP 19:31:(54.7) eS 32:22.5 Dist. about 250 Km.</p> <p>eP 23:47.0 e(S) 48:24.8</p> <p>17 iP 02:06:25.8 iS 31.0 Dist. 40 Km. Dilatation from S</p> <p>eP 02:09:04.7 e(S) 25.5</p> <p>eP 03:17:55.6 eS 18:23.3 Dist. 250 Km.</p> <p>eP 03:20:53.6 eS 21:20.8 Dist. 240 Km.</p> <p>eP 09:10:(00.7) eS 11:34.9 Dist. about 920 Km.</p> <p>eP 09:44:36.0 eS 45:05.0 Dist. 260 Km.</p> <p>eP 23:09:23.9 Local</p> <p>18 iP 04:14:54.1 iS 59.3 Dist. 40 Km. Dilatation from SSW</p>	<p>Feb.18 e(P) 05:19:10.3 1968 e(S) 20:49.3</p> <p>eP 05:30:49.6 eS 31:25.3 Dist. 320 Km.</p> <p>iP 08:05:05.1 i(S) 18.2 Dilatation from S</p> <p>eP 09:02:46.1 eS 55.2 Dist. 80 Km.</p> <p>eP 09:48:14.0 PZ 0.19 u T 1.0 sec. Dilatation</p> <p>eP 10:02:58.2 eS 03:03.8 Dist. 50 Km.</p> <p>eP 10:55:44.8 e(S) 56:01 Dilatation from N</p> <p>eP 13:39:41.3 eS 47.2 Dist. 50 Km.</p> <p>e(P) 20:03:17.5 e(S) 45.3</p> <p>eP 20:59:(46.4) eS 21:00:47.4 Dist. about 590 Km.</p> <p>eP 22:40:(01.2) e 27.9 e 47.5 eS 41:38.4 Two shocks?</p> <p>19 eP 00:39:(28.4) eS 53.4 Dist. about 220 Km.</p> <p>eP 08:09:43 e(S) 10:11.7</p> <p>e(P) 09:59:28.2 eS 10:00:39.7</p> <p>iP 11:44:14.2 iS 49.1 Dist. 310 Km. Compression from N</p>
<p>15 iP 02:13:49.7 eS 14:30.6 Dist. 380 Km. Compression from NE</p> <p>eP 02:30:36 eS 31:00.0 Dist. about 210 Km.</p> <p>eP 02:35:14 eS 24.8 Dist. about 80 Km.</p> <p>eP 03:19:22.0 eS 20:05.3 Dist. 400 Km.</p> <p>eP 04:22:38.0 eS 23:00.3 Dist. 190 Km.</p> <p>eP 05:38:41.7 eS 39:04 Dist. about 190 Km.</p> <p>e(P) 06:49:12 eS 48.1</p> <p>eP 17:36:18.5 eS 37:00.1 i 01.8 i 04.3 Dist. 390 Km. Compression</p> <p>16 e(P) 00:06:09 e(S) 07:25</p> <p>eP 00:57:04.3 eS 26.1 Dist. 190 Km.</p>		

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Departamento de Geofísica y Geodesia

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Santiago, Chile

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PROVISIONAL READINGS AT ANTOFAGASTA

Feb.19 1968	eP 12:23:07.2 eS 29.2 i 31.0 Dist. 190 Km.	Feb.20 1968	iP 06:16:59.2 iS 17:39.5 Dist. 360 Km. Compression from SE	Feb.21 1968	iP 10:49:18.3 iS 54.0 Dist. 320 Km. Compression
	eP 12:30:53.9 eS 31:09.7 i 23.0 Dist. 130 Km.		iP 07:39:26.5 iS 33 Dist. about 60 Km. Compression		eP 14:46:35.4 eS 47:(13.3) Dist. 340 Km.
	eP 15:06:(44.3) eS 07:(10.5) Dist. about 230 Km.		eP 08:43:50 eS 44:14.5 Dist. about 220 Km.	22	eP 03:10:43 eS 11:24.5 Dist. about 390 Km.
	eP 16:03:34.5 e(S) 40.7		eP 10:30:15 e(S) 31:25.0		eP 14:59:20.5 eS 47.5 Dist. 240 Km.
	eP 16:49:24.1 eS 45.6 Dist. 190 Km.		eP 10:47:18.3 eS 39.6 Dist. 180 Km.		eP 23:28:22.4 eS 36.5 Dist. 110 Km.
	iP 17:35:38.2 iS 36:00.0 Dist. 190 Km. Compression from S		eP 11:26:59.9 eS 27:25.2 Dist. 220 Km.	23	eP 00:12:40.3 eS 13:20.0 Dist. 360 Km.
	eP 20:13:39 e(S) 55.4		eP 13:00:55.3 eS 01:09.1 Dist. 110 Km.		eP 02:40:42.2 iS 52.0 Dist. 100 Km. Dilatation
	eP 23:00:16 ePP 04:36 eSKS 10:54 eS 12:02 e 13:06 ePPS 14:12 eSS 19:28 e 29.7 eR 33.5 Dist. about 104°		eP 15:10:42.8 eS 54.7 Dist. 100 Km.		eP 05:00:48.8 eS 01:24.6 Dist. 320 Km.
20	eP 01:10:50.0 eS 11:30.5 Dist. 370 Km.		eP 21:16:16.3 eS 22.6 Dist. 50 Km.		eP 09:02:14 eS 31.6 Dist. about 140 Km.
	eP 02:27:46.8 PZ 0.12 u T 1.0 sec. Dilatation	21	iP 21:39:51.5 iS 30:48 Dist. about 550 Km. Dilatation from SSE		eP 09:25:24.6 eS 26:00.2 Dist. 320 Km.
	eP 03:42:46.5 eS 43:14.5 Dist. 250 Km.		eP 00:51:59.8 eS 52:11.3 Dist. 100 Km.		iP 10:21:30.3 iS (49.6) Dist. about 160 Km. Dilatation from S
	eP 04:21:(38.3) Local		eP 09:17:32 Distant shock		eP 11:28:(44.5) eS 29:31.9 Dist. about 440 Km.
	eP 05:18:11.8 eS 31.2 Dist. 160 Km.		eP 09:29:20.4 e(S) 55.6		eP 12:29:23 eS 30:24 Dist. about 590 Km.
			eP 09:47:16.3 eS 48:08.0 Dist. 490 Km.		eP 16:36:51 eS 37:54.5 Dist. 600 Km.
			iP 10:28:30.4 e(S) 29:30.8 Dilatation		

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Feb. 23 1968	eP i i i(S)	18:29:56.4 30:04.7 09.2 14.0	Feb. 26 1968	eP eS Dist. 140 Km.	05:52:42.2 59.4	Feb. 28 1968	eP eS Dist. 330 Km.	02:55:16.2 53.3
24	eP eS Dist. 40 Km.	03:42:02.5 07.2		eP eS Dist. 220 Km.	06:19:20 44.9		iP iS Dist. 370 Km. Compression from E	12:25:17.5 58.6
	eP eS Dist. 160 Km.	07:08:21.3 40.3		ePKP ePP ePPP eSKKS eSKSP e ePPS e iSS i eSSS i e(G) e eR Dist. 170°	11:10:26.1 15:30 19:40 22:02.5 26:08 27:19 29:36 31:24 36:20 38:25.7 43:05 53:33 59 12:00:46 07:58		eP e e e	12:27:13.6 22.8 36.4 42.7
	eP e(S)	07:33:(23.5) 34:(59)					eP eS Dist. 250 Km.	14:08:01.4 29.8
	eP eS Dist. 310 Km.	08:24:06.8 41.5					eP eS Dist. 330 Km.	15:04:15.4 52.4
	eP eS Dist. 240 Km.	10:06:35.0 07:01.8					eP eS Dist. 330 Km.	15:12:32.1 Distant shock
	eP eS Dist. 240 Km.	11:36:38.9 37:05.4		eP Local	15:19:47.5		e(P) e(S)	20:25:03.9 10.3
25	eP eS Dist. 350 Km.	01:20:15.0 53.8		iP iS Dist. 400 Km. Compression from SE	22:58:27.2 59:10		eP e(S) e	23:47:40 48:05.8 13.3
	eP e eS Dist. 230 Km.	02:44:57.1 45:03.3 22.8	27	eP eS Dist. 230 Km.	00:41:12.6 38.6		29 iP iS Dist. 160 Km. Dilatation from E	00:39:33.8 53.1
	eP e e(S)	04:50:28.6 51:06.1 22.4		eP eS Dist. 230 Km.	02:26:46.6 27:12.1		eP eS Dist. 310 Km.	05:28:59.4 29:35.1
	eP e e	05:12:42.8 59.6 13:05		eP eS Dist. 330 Km.	04:45:32.2 46:08.8		eP e	16:51:19.0 27.2
	eP eS Dist. 370 Km.	13:20:49.9 21:30.5		eP Local	05:38:48		eP eS Dist. 220 Km.	20:14:52.6 15:18
	eP e e(S)	16:55:10.9 29.4 46.0		eP eS Dist. about 180 Km.	07:39:01.1 23			
	eP e(S)	18:59:10 53.7		eP eS Dist. 250 Km.	11:07:27.5 55.8			
	eP iS Dist. 170 Km.	23:18:12.5 33.1		eP Dist. 250 Km.	11:14:24 Distant shock			
				eP eS Dist. about 640 Km.	22:51:(37) 52:43.7			

Y. Franulic
SEISMOLOGIST



INTERNATIONAL SEISMOLOGICAL
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