Complemento 2021-2024 del Catálogo Sismológico de Referencia de Tierra del Fuego

M. Celeste Bollini $^{(1,2)}$, María L. Rosa $^{(3)}$, Gabriela A. Badi $^{(3)}$, Eric R. Marderwald $^{(1,4)}$, Esteban F. Cabrera $^{(1)}$, José L. Hormaechea $^{(1,5)}$, Gerardo C. Connon $^{(5)}$

- (1) Estación Astronómica Río Grande, Facultad de Ciencias Astronómicas y Geofísicas, Universidad Nacional de La Plata.
- (2) Instituto de Desarrollo Económico e Innovación, Universidad Nacional de Tierra del Fuego, AIAS.
- (3) Centro de Investigaciones Geofísicas, Facultad de Ciencias Astronómicas y Geofísicas, Universidad Nacional de La Plata.
- (4) Centro Maggia, Facultad de Ciencias Astronómicas y Geofísicas, Universidad Nacional de La Plata.
- (5) Estación Astronómica Río Grande, Consejo Nacional de Investigaciones Científicas y Técnicas.

En este trabajo presentamos los sismos registrados por la red sismológica de Tierra del Fuego en el período comprendido entre enero 2021 y diciembre 2024, como continuación del Tierra del Fuego Reference Standard Earthquake Catalogue (Sabbione et al., 2007a) y sus complementos (Sabbione et al., 2017; Connon et al., 2020).

Los parámetros hipocentrales (latitud, longitud, profundidad, hora origen y magnitud) se determinaron usando el código HYPO-CENTER (Lienert et al., 1986; Lienert y Havskov, 1995) incluído en el paquete SEISAN (Havskov y Ottemoller, 1999), versión 12.0

La latitud, longitud, hora origen y profundidad del foco se obtuvieron mediante el picado de fases sísmicas P y S, y la magnitud se obtuvo a partir de la medición de amplitud de la onda superficial.

Para algunos eventos, la profundidad no fue calculada, sino que se fijó en valores de acuerdo a lo esperable para la mayor parte de los sismos en la región, según estudios previos de sismicidad (Sabbione et. al., 2007b; Buffoni et. al., 2009), modelos geotectónicos para la Falla Magallanes-Fagnano (Mendoza et al., 2015), y los valores usualmente fijados para este parámetro por otros centros internacionales de cálculo (USGS-NEIC, ISC). Las profundidades fijas se indican en la tabla con una letra F a continuación del valor.

El modelo de velocidades usado para la determinación de todos los parámetros fue publicado en Adaros Cárcamo (2003), representativo de la estructura cortical en Patagonia sur, incluído el territorio de Tierra del Fuego y zonas aledañas.

La estaciones sismológicas usadas para la localización fueron: DSPA, TRVA, BETA y EARG, de la FCAG-UNLP y de cuya operación y mantenimiento se encarga la Estación Astronómica Río Grande; y también las estaciones MG01, MG02, MG03, MG04, GO10 de la Red Sismológica Nacional, Chile.

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#	Año	М	D	н	М	S	Err.	L	Latitud	Err.	Longitud	Err.	Prof.	Err.	NST	RMS	GAP	ML	Agen.
1	2021	1	3	23	35	33.8	0.30	L	-54.804	2.3	-67.206	2.5	0.0	0.0	1	0.0	360	1.6	EAR
2	2021	1	26	7	46	42.3	3.16	R	-53.090	36.2	-73.530	80.2	10.0F	0.0	5	1.7	255	3.1	EAR
3	2021	1	27	21	46	10.9	0.38	L	-54.689	5.2	-67.467	9.2	9.5	3.7	4	0.1	211	3.1	EAR
4 5	2021	2	8 17	23 2	10 2	31.6 20.8	1.00	L R	-54.565	4.0	-66.912 -69.748	8.4	8.4	5.8	7 3	0.4 0.3	180	3.8 2.2	EAR EAR
6	2021 2021	2	27	15	16	30.8	0.75 2.95	D	-54.636 -53.764	4.9 46.5	-60.507	7.0 47.8	3.1 9.5	7.5 30.8	5 6	1.1	239 218	3.6	EAR
7	2021	2	27	16	7	57.8	0.73	L	-54.778	7.5	-69.408	6.6	9.0	7.8	4	0.3	240	2.7	EAR
8	2021	3	5	8	24	39.0	2.15	R	-51.062	18.0	-68.322	23.8	18.2	27.7	4	0.9	189	3.2	EAR
9	2021	3	11	8	46	7.5	0.30	L	-54.766	3.9	-67.250	4.0	12.0F	0.0	1	0.0	360	1.6	EAR
10	2021	3	11	8	46	56.9	0.30	L	-54.668	3.2	-67.279	15.1	12.0F	0.0	1	0.0	360	1.7	EAR
11 12	2021 2021	3 3	11 11	8 8	52 56	35.0 28.9	0.28 0.30	L L	-54.685 -54.627	1.2 6.2	-67.396 -67.312	14.0 3.2	12.0F 12.0F	0.0 0.0	1 1	0.0	360 360	1.8 1.8	EAR EAR
13	2021	3	11	9	7	58.8	0.47	Ĺ	-54.704	16.0	-67.365	17.3	12.0F	0.0	1	0.1	360	1.9	EAR
14	2021	3	11	9	20	37.5	0.40	L	-54.674	0.6	-67.546	11.5	6.0	9.1	2	0.1	236	2.2	EAR
15	2021	3	11	9	21	31.5	0.40	L	-54.665	0.5	-67.577	1.8	6.0	4.4	2	0.1	234	2.0	EAR
16	2021	3	11	9	24	21.7	0.74	L	-54.607	9.2	-67.509	21.2	6.2	28.5	2	0.2	199	2.1	EAR
17 18	2021 2021	3 3	11 11	9 10	40 18	16.0 43.8	0.27 0.27	L L	-54.682 -54.675	0.2 1.0	-67.233 -67.273	8.3 12.2	12.0F 12.0F	0.0 0.0	1 1	0.0	360 360	1.9 1.7	EAR EAR
19	2021	3	11	10	27	40.9	0.58	L	-54.550	1.8	-67.219	9.9	8.1	2.4	4	0.2	243	2.4	EAR
20	2021	3	11	10	40	51.6	0.34	Ĺ	-54.659	16.0	-67.351	8.9	12.0F	0.0	1	0.0	360	1.8	EAR
21	2021	3	11	10	41	34.6	0.42	L	-54.701	9.0	-67.385	19.4	12.0F	0.0	1	0.1	360	1.7	EAR
22	2021	3	11	10	42	37.5	0.30	L	-54.618	5.7	-67.368	2.6	12.0F	0.0	1	0.0	360	1.8	EAR
23	2021	3	11	10	53	43.3	0.30	L	-54.701	4.5	-67.280	13.0	12.0F	0.0	1	0.0	360	1.8	EAR
24 25	2021 2021	3 3	11 11	11 11	13 29	44.1 2.6	0.30 1.12	L L	-54.705 -54.591	0.8 6.9	-67.103 -67.492	6.5 8.2	12.0F 4.2	0.0 5.0	1 8	0.0 0.5	360 157	2.4 3.3	EAR EAR
26	2021	3	11	12	13	32.7	0.42	Ĺ	-54.657	0.5	-67.539	1.8	6.1	4.6	2	0.1	227	2.3	EAR
27	2021	3	11	12	19	0.7	0.34	L	-54.647	1.2	-67.513	6.1	6.8	33.0	2	0.0	219	2.2	EAR
28	2021	3	11	12	39	7.9	0.30	L	-54.645	1.7	-67.496	7.2	12.0F	0.0	1	0.0	360		
29	2021	3	11	12	40	44.6	0.44	L	-54.557	5.7	-67.290	36.3	5.7	11.3	3	0.1	237	2.8	EAR
30 31	2021 2021	3 3	11 11	12 13	45 17	13.9 10.4	0.30 0.30	L L	-54.673 -54.744	0.6 4.8	-67.215 -67.281	9.2 4.4	12.0F 12.0F	0.0 0.0	1 1	0.0	360 360	1.8 1.6	EAR EAR
32	2021	3	11	13	33	35.4	0.30	L	-54.624	6.4	-67.344	0.6	12.0F	0.0	1	0.0	360	2.3	EAR
33	2021	3	11	14	22	26.3	0.30	Ĺ	-54.638	5.4	-67.282	7.3	12.0F	0.0	1	0.0	360		_,
34	2021	3	11	15	41	1.7	1.54	L	-54.687	25.3	-67.336	66.3	27.0	16.8	2	0.3	273		
35	2021	3	11	15	46	46.4	0.81	L	-54.681	59.8	-67.334	25.2	18.9	8.8	2	0.2	333		
36 37	2021 2021	3 3	11 11	15 18	55 32	54.7 29.7	1.70 0.33	L L	-54.681 -54.653	322.4 2.4	-67.334 -67.511	123.7 15.0	27.7 6.2	18.6 13.1	2 2	0.4 0.0	342 222	2.0 1.9	EAR EAR
38	2021	3	11	18	32	40.8	0.33	L	-54.055 -54.708	2.4 11.8	-67.322	7.1	0.∠ 12.2F	0.0	1	0.0	360	1.9	EAR
39	2021	3	11	18	37	37.6	0.56	Ĺ	-54.555	1.8	-67.274	9.7	6.1	2.4	4	0.2	231	2.5	EAR
40	2021	3	11	18	47	46.2	0.31	L	-54.646	1.0	-67.475	4.0	11.5	5.6	2	0.0	212	2.0	EAR
41	2021	3	11	18	56	7.6	0.30	L	-54.633	4.9	-67.275	6.6	12.0F	0.0	1	0.0	360	1.9	EAR
42	2021	3	11	19	12	34.2	0.30	Ļ	-54.621	5.0	-67.397	4.9	12.0F	0.0	1	0.0	360	1.7	EAR
43 44	2021 2021	3	11 11	19 19	12 19	51.3 40.7	0.30 0.30	L L	-54.635 -54.683	6.5 0.4	-67.376 -67.429	5.2 11.9	12.0F 12.0F	0.0 0.0	1 1	0.0	360 360	1.9 1.8	EAR EAR
45	2021	3	11	19	26	28.8	0.30	Ĺ	-54.720	Z	-67.319	4.2	12.0F	0.0	1	0.0	360	1.8	EAR
46	2021	3	11	19	32	36.5	0.30	L	-54.715	3.8	-67.259	8.9	12.0F	0.0	1	0.0	360	1.7	EAR
47	2021	3	11	20	53	35.7	1.33	L	-54.640	4.4	-67.505	5.6	6.5	8.6	5	0.5	142	2.3	EAR
48	2021	3	11	20	55	15.4	0.27	L	-54.743	4.8	-67.333	0.6	12.0F	0.0	1	0.0	360	4 -	EAD
49 50	2021 2021	3 3	11 12	21 0	36 11	54.2 43.3	0.30 0.64	L L	-54.693 -54.610	3.4 1.3	-67.281 -67.444	15.5 2.1	12.0F 7.9	0.0 2.9	1 3	0.0 0.1	360 176	1.7 2.3	EAR EAR
51	2021	3	12	0	17	7.8	0.30	Ĺ	-54.731	5.8	-67.382	4.9	12.0F	0.0	1	0.0	360	2.3	LAN
52	2021	3	12	11	1	8.0	1.07	Ĺ	-54.708	1.6	-67.589	9.8	1.9	11.1	5	0.3	177	1.8	EAR
53	2021	4	1	22	31	6.3	0.68	R	-56.875	8.0	-67.961	14.6	10.0F	0.0	5	0.4	282	2.6	EAR
54	2021	4	2	10	3	12.1	1.38	R	-54.734	12.3	-69.554	13.6	10.0F	0.0	3	0.7	240	2.4	EAR
55	2021	4	2	10	13	15.5	0.78	R	-55.538	47.3	-70.426	51.8	32.1	58.4	3	0.3	294	2.7	EAR
56 57	2021 2021	4 4	4 7	21 13	10 47	59.5 39.7	0.30 0.30	R R	-54.472 -54.702	3.7 0.6	-67.366 -67.549	1.1 4.8	15.0 5.0	0.0 0.0	1 1	0.0 0.0	360 360	1.7 1.2	EAR EAR
58	2021	4	7	17	20	4.6	0.30	R	-54.702 -54.926	2.1	-67.695	3.2	0.0	0.0	1	0.0	360	1.7	EAR
59	2021	4	9	11	45	44.0	0.73	R	-54.534	4.9	-69.458	4.9	10.0F	0.0	3	0.3	221	2.4	EAR
60	2021	4	11	5	42	53.0	0.40	R	-54.342	2.8	-67.968	4.8	66.7	4.0	4	0.1	157	2.2	EAR
61	2021	4	16	13	28	3.6	0.27	R	-52.707	4.4	-69.664	9.7	10.3	0.0	1	0.0	360	3.1	EAR
62 63	2021	4	18	1	14	8.9	1.59	R	-55.357	9.5	-69.945	18.7	8.3	9.7	4	0.6 0.5	282	2.6	EAR
63 64	2021 2021	4 4	18 22	3 14	32 22	0.7 4.1	0.90 0.59	R L	-58.373 -54.686	29.8 11.1	-65.543 -66.710	18.4 8.3	10.0F 14.5	0.0 6.6	6 5	0.5 0.2	290 310	3.4 2.5	EAR EAR
65	2021	4	23	4	21	38.2	2.70	R	-51.562	11.6	-73.933	65.3	16.3	44.8	8	1.1	241	2.5	L/ (IX
66	2021	5	1	0	58	56.5	0.46	R	-54.571	3.9	-68.044	7.6	12.1	5.5	4	0.1	191	2.1	EAR
67	2021	5	7	23	38	14.4	1.52	R	-54.699	65.0	-58.030	23.9	0.4	10.0	7	8.0	338	3.4	EAR
68	2021	5	8	1	13	0.9	1.61	R	-54.710	14.3	-58.272	32.1	12.3	21.4	6	0.9	264	3.2	EAR

Fig. 1962 1962 1963 1964 1965	#	Año	М	D	Н	М	S	Err.	L	Latitud	Err.	Longitud	Err.	Prof.	Err.	NST	RMS	GAP	ML	Agen.
70	69	2021	5	9	7	7	18.9	1.14	R	-54.888	8.9	-70.407	14.2	36.9F	0.0	4	0.6	274	2.6	EAR
Table Tabl																				
73 74 75 75 75 75 75 75 75																				
75 2021 6 13 16 28 137 298 R - 92444 194 71-991 464 13.9 203 8 12 145 296 281 396 284 75 75 2021 6 23 0 47 75 7031 75 75 75 75 75 75 75 7																				
75 76 7021 76 73 73 74 75 75 75 75 75 75 75																-				
To To To To To To To To																				
77 2021 7 11 16 47 71 0.38 L 54551 1.7 67216 7.4 14.5 1.4 3 0.1 255 2.3 EAR 79 2021 8 7 7 75 75 75 55 7.7 8 55.218 7.8 70.525 9.7 30.3 5.7 4 0.3 287 2.6 EAR 79 2021 8 27 1 1 474 0.06 8 54.471 31 67.726 14.6 7.7 3.5 3.0 221 1.7 EAR 81 2021 8 27 1 1 474 0.06 8 54.471 31 67.726 14.6 7.7 3.5 3.0 221 1.7 EAR 81 2021 9 9 13 1 15 54.381 3.087 L 54.540 3.2 3.1 4.9 6.1 4.6 4 6.1 3.7 4 0.3 222 1.7 EAR 83 2021 9 9 13 1 15 54.540 8 8.8 67.233 14.9 6.1 4.6 4 6.5 0.2 215 2.2 EAR 83 2021 9 9 9 12 2.5 6.0 5.9 6.5 6																				
No. 1969 2021 8	77	2021		11	16		57.1	0.38	L				7.4	14.5	1.4	3	0.1	255	2.3	EAR
88 2021 8 27 1 14 474 0.60 R 54.471 31. 67.262 14.6 7.7 3.5 3 0.2 241 1.6 EAR 22 201 9 19 1 15 48.1 1.5 L 54.548 2.8 67.233 14.9 6.1 4.6 4 0.5 242 2.8 EAR 2.8 2.0 1.9 19 1 15 48.1 1.5 L 54.548 2.8 67.233 14.9 6.1 4.6 4 0.5 242 2.8 EAR 2.8 2.0 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.0 0.05 L 54.548 2.8 6.7 2.9 2.9 2.9 2.1 4.6 5 0.2 192 2.3 EAR 2.0																				
82 2021 9 19 3 1 15 84 84 97 9 10 53 84 84 115 15 4548 84 84 2021 9 19 19 14 45 512 183																				
82 2021 9 19 19 4 45 512 188 18 - 5-164 18 8 - 5-164 18 8 29 - 6-7.233 14.9 6.1 4.6 4 0.5 242 2.8 EAR 84 2021 9 19 19 17 25 506 0.59 18 - 5-54.967 5.0 - 6-5.301 7.3 10.0F 5.4 5 0.2 192 2.3 EAR 85 2021 9 19 19 11 16 30.4 0.94 R 5.57.86 10.1 -68.676 11.4 9.1 5.8 3 0.4 2.2 365 2.3 EAR 86 2021 9 19 12 16 30 17.6 1.27 R 5-58.971 10.3 -62.661 30.5 10.0F 5.9 6 0.6 295 3.2 EAR 87 2021 9 19 12 20 10 3.0 17.6 1.27 R 5-58.971 10.3 -62.661 30.5 10.0F 5.9 6 0.6 295 3.2 EAR 88 2021 9 19 19 24 30 34.6 0.72 L 5-54.391 7.2 -65.303 4.5 6.9 3.0 1.0 5.9 6 0.6 295 3.2 EAR 89 2021 10 13 7 5 2.48 12.4 0.5 0.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0										-										
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124 2022 5 2 8 23 26.3 0.31 L -54.508 6.9 -69.714 3.8 9.5 4.6 4 0.0 216 2.1 EAR 125 2022 5 6 18 1 59.9 0.77 R -57.245 5.3 -67.112 18.6 4.1 3.5 5 0.3 282 3.0 EAR 126 2022 5 13 3 50 8.8 0.35 L -54.695 2.1 -67.070 8.2 0.0 1.7 4 0.0 278 2.4 EAR 127 2022 5 20 20 30 55.1 0.34 L -54.695 4.1 -69.211 6.2 20.0 0.0 1 0.0 360 2.5 EAR 128 2022 5 29 19 12 32.5 0.30 L -54.695 4.1 -69.211 6.2 20.0 0.0 1 0.0 360 2.5 EAR 129																				
126 2022 5 13 3 50 8.8 0.35 L -54.695 2.1 -67.070 8.2 0.0 1.7 4 0.0 278 2.4 EAR 127 2022 5 20 20 30 55.1 0.34 L -54.796 1.9 -67.477 4.6 10.9 7.6 3 0.0 179 0.9 EAR 128 2022 5 29 19 12 32.5 0.30 L -54.695 4.1 -69.211 6.2 20.0 0.0 1 0.0 360 2.5 EAR 129 2022 6 23 17 13 7.6 1.20 R -57.463 7.4 -66.509 28.4 15.8 7.4 5 0.5 181 3.5 EAR 130 2022 6 28 6 26 37.2 2.80 R -52.612 32.1 -72.233 69.2 20.0 18.1 7 1.1 223 3.0 EAR 131 <td>124</td> <td></td> <td>5</td> <td>2</td> <td>8</td> <td>23</td> <td>26.3</td> <td>0.31</td> <td>L</td> <td>-54.508</td> <td>6.9</td> <td>-69.714</td> <td>3.8</td> <td>9.5</td> <td>4.6</td> <td>4</td> <td>0.0</td> <td></td> <td></td> <td>EAR</td>	124		5	2	8	23	26.3	0.31	L	-54.508	6.9	-69.714	3.8	9.5	4.6	4	0.0			EAR
127 2022 5 20 20 30 55.1 0.34 L -54.796 1.9 -67.477 4.6 10.9 7.6 3 0.0 179 0.9 EAR 128 2022 5 29 19 12 32.5 0.30 L -54.695 4.1 -69.211 6.2 20.0 0.0 1 0.0 360 2.5 EAR 129 2022 6 23 17 13 7.6 1.20 R -57.463 7.4 -66.509 28.4 15.8 7.4 5 0.5 181 3.5 EAR 130 2022 6 28 6 26 37.2 2.80 R -52.612 32.1 -72.233 69.2 20.0 18.1 7 1.1 223 3.0 EAR 131 2022 6 28 6 33 21.7 1.94 R -52.712 20.0 -72.350 43.1 20.6 16.2 7 0.8 229 3.2 EAR 1																				
128 2022 5 29 19 12 32.5 0.30 L -54.695 4.1 -69.211 6.2 20.0 0.0 1 0.0 360 2.5 EAR 129 2022 6 23 17 13 7.6 1.20 R -57.463 7.4 -66.509 28.4 15.8 7.4 5 0.5 181 3.5 EAR 130 2022 6 28 6 26 37.2 2.80 R -52.612 32.1 -72.233 69.2 20.0 18.1 7 1.1 223 3.0 EAR 131 2022 6 28 6 33 21.7 1.94 R -52.712 20.0 -72.350 43.1 20.6 16.2 7 0.8 229 3.2 EAR 132 2022 6 29 7 38 0.1 0.74 L -54.535 3.4 -69.269 12.7 10.4 7.7 4 0.3 248 2.3 EAR 13																				
129 2022 6 23 17 13 7.6 1.20 R -57.463 7.4 -66.509 28.4 15.8 7.4 5 0.5 181 3.5 EAR 130 2022 6 28 6 26 37.2 2.80 R -52.612 32.1 -72.233 69.2 20.0 18.1 7 1.1 223 3.0 EAR 131 2022 6 28 6 33 21.7 1.94 R -52.712 20.0 -72.350 43.1 20.6 16.2 7 0.8 229 3.2 EAR 132 2022 6 29 7 38 0.1 0.74 L -54.535 3.4 -69.269 12.7 10.4 7.7 4 0.3 248 2.3 EAR 133 2022 6 29 11 57 15.2 0.60 L -54.531 7.7 -69.641 4.0 6.1 7.6 4 0.2 227 2.1 EAR 134																				
130 2022 6 28 6 26 37.2 2.80 R -52.612 32.1 -72.233 69.2 20.0 18.1 7 1.1 223 3.0 EAR 131 2022 6 28 6 33 21.7 1.94 R -52.712 20.0 -72.350 43.1 20.6 16.2 7 0.8 229 3.2 EAR 132 2022 6 29 7 38 0.1 0.74 L -54.535 3.4 -69.269 12.7 10.4 7.7 4 0.3 248 2.3 EAR 133 2022 6 29 11 57 15.2 0.60 L -54.531 7.7 -69.641 4.0 6.1 7.6 4 0.2 227 2.1 EAR 134 2022 7 4 11 1 39.5 1.15 R -53.734 9.8 -63.953 12.7 8.0 6.8 7 0.5 177 3.4 EAR 135 </td <td></td>																				
131 2022 6 28 6 33 21.7 1.94 R -52.712 20.0 -72.350 43.1 20.6 16.2 7 0.8 229 3.2 EAR 132 2022 6 29 7 38 0.1 0.74 L -54.535 3.4 -69.269 12.7 10.4 7.7 4 0.3 248 2.3 EAR 133 2022 6 29 11 57 15.2 0.60 L -54.531 7.7 -69.641 4.0 6.1 7.6 4 0.2 227 2.1 EAR 134 2022 7 4 11 1 39.5 1.15 R -53.734 9.8 -63.953 12.7 8.0 6.8 7 0.5 177 3.4 EAR 135 2022 7 4 11 25 29.0 1.00 R -52.337 7.3 -72.554 22.2 13.6 9.1 5 0.4 243 3.2 EAR																				
133 2022 6 29 11 57 15.2 0.60 L -54.531 7.7 -69.641 4.0 6.1 7.6 4 0.2 227 2.1 EAR 134 2022 7 4 11 1 39.5 1.15 R -53.734 9.8 -63.953 12.7 8.0 6.8 7 0.5 177 3.4 EAR 135 2022 7 4 11 25 29.0 1.00 R -52.337 7.3 -72.554 22.2 13.6 9.1 5 0.4 243 3.2 EAR	131	2022	6	28	6	33	21.7	1.94	R	-52.712	20.0	-72.350	43.1	20.6	16.2	7	8.0	229	3.2	EAR
134 2022 7 4 11 1 39.5 1.15 R -53.734 9.8 -63.953 12.7 8.0 6.8 7 0.5 177 3.4 EAR 135 2022 7 4 11 25 29.0 1.00 R -52.337 7.3 -72.554 22.2 13.6 9.1 5 0.4 243 3.2 EAR																				
135 2022 7 4 11 25 29.0 1.00 R -52.337 7.3 -72.554 22.2 13.6 9.1 5 0.4 243 3.2 EAR																				
										-54.608										

#	Año	М	D	н	М	s	Err.	L	Latitud	Err.	Longitud	Err.	Prof.	Err.	NST	RMS	GAP	ML	Agen.
137	2022	7	11	12	53	43.8	0.56	L	-54.518	8.4	-69.645	3.8	8.2	7.5	3	0.2	226	2.1	EAR
138	2022	7	13	13	3	11.1	0.31	R	-54.581	1.5	-69.518	1.7	1.5	2.1	3	0.0	227	2.7	EAR
139	2022	7	17	12	23	3.6	0.64	R	-59.940	8.5	-57.415	9.9	115.0	94.4	6	0.2	308	3.9	EAR
140	2022	7	20	7	11	18.4	0.34	L	-54.626	4.2	-66.374	4.9	14.3	3.1	3	0.1	307	2.9	EAR
141 142	2022 2022	7 7	22 22	18 22	51 51	40.5 42.0	1.28 0.52	R L	-57.977 -54.620	88.7 2.4	-63.805 -69.470	31.4 2.8	0.0 1.6	48.8 2.9	4 4	0.6 0.2	285 229	3.6 2.6	EAR EAR
143	2022	7	22	22	53	12.1	1.17	L	-54.566	17.0	-69.466	9.1	8.3	16.6	3	0.2	229	2.7	EAR
144	2022	8	1	20	21	22.0	0.78	Ĺ	-54.516	7.5	-69.639	4.3	10.0	7.4	3	0.3	226	2.3	EAR
145	2022	8	4	10	31	1.1	0.32	L	-54.564	3.1	-69.522	2.0	11.6	2.6	4	0.1	226	2.1	EAR
146	2022	8	5	7	42	35.9	0.61	L	-54.480	7.8	-69.560	3.9	6.1	7.8	4	0.2	220	2.1	EAR
147	2022	8	5	18	20	53.5	0.39	L	-54.656	3.3	-66.837	6.5	15.7	2.5	3	0.1	290	1.5	EAR
148 149	2022 2022	8 8	7 7	15 18	7 43	58.2 15.0	0.32 0.39	L L	-53.367 -54.455	4.0 2.7	-66.869 -69.614	7.6 3.1	18.6 5.2	6.5 3.9	4 3	0.1 0.1	260 220	2.0 1.8	EAR EAR
150	2022	8	8	10	24	36.5	0.39	L	-52.737	14.5	-66.701	28.5	32.1	18.5	3	0.1	283	2.2	EAR
151	2022	8	9	18	15	47.0	0.34	R	-54.859	8.2	-69.643	7.9	16.7	7.5	3	0.0	251	2.3	EAR
152	2022	8	13	6	7	31.4	0.31	R	-54.917	6.5	-69.645	4.0	29.2	7.1	3	0.0	255	2.4	EAR
153	2022	8	18	3	45	19.5	0.87	R	-54.325	4.9	-54.445	16.4	7.1	5.9	7	0.4	301	4.1	EAR
154	2022	8	22	20	35	12.2	1.39	R	-58.231	20.8	-61.649	25.8	0.7	6.5	5	0.7	289	3.6	EAR
155	2022 2022	8	23 23	0 5	35 4	18.1 43.1	0.82 2.36	R R	-52.424 -52.442	6.6 12.4	-72.721 -71.744	15.5 24.0	4.5	3.6 12.1	7 9	0.3 1.0	240 163	4.2 3.4	EAR EAR
156 157	2022	8 8	23 24	5 17	53	41.9	2.30 1.70	R	-52.442 -52.400	11.3	-71.744 -71.538	36.9	20.7 14.5	19.9	9 7	0.7	138	3.4	EAR
158	2022	8	24	20	27	26.2	1.81	R	-52.482	15.6	-71.857	36.8	18.5	15.1	7	0.7	179	2.9	EAR
159	2022	8	30	14	32	14.9	2.34	R	-52.369	7.7	-71.513	19.7	11.2	13.2	9	0.9	134	3.8	EAR
160	2022	8	30	14	41	34.5	3.99	L	-54.398	35.5	-69.021	80.9	5.8	124.1	2	0.7	298	2.0	EAR
161	2022	8	31	22	29	21.4	0.76	L	-54.709	6.2	-69.988	33.2	24.4	12.3	4	0.3	274	2.5	EAR
162 163	2022 2022	9 9	5 6	20 3	20 13	46.7 22.7	1.05 1.37	L L	-52.687 -54.362	4.9 9.8	-71.002 -65.588	7.9 18.6	0.0 0.0	5.7 8.5	6 5	0.4 0.5	138 299	3.1 2.7	EAR EAR
164	2022	9	9	20	57	14.1	1.60	R	-52.303	6.4	-71.315	15.9	6.8	7.6	8	0.5	152	3.3	EAR
165	2022	9	23	17	45	17.2	0.83	R	-54.095	18.0	-63.325	11.3	28.0	5.6	4	0.3	339	3.0	EAR
166	2022	9	25	13	16	34.5	0.99	R	-53.581	4.6	-56.513	21.2	32.0	6.6	5	0.5	283	3.5	EAR
167	2022	10	2	21	45	58.7	2.06	R	-56.687	114.4	-54.109	64.8	5.0	12.5	8	1.3	347	3.7	EAR
168	2022	10	19	5	54	41.6	6.58	L	-52.394	40.4	-71.845	91.2	0.0	28.1	6	2.7	170	3.2	EAR
169 170	2022 2022	11 11	8 14	7 9	34 48	26.6 44.4	0.79 0.89	R L	-57.748 -54.830	42.6 9.1	-66.891 -69.776	27.4 7.6	0.0 32.1	31.5 5.4	5 3	0.3 0.3	287 253	3.1 2.2	EAR EAR
171	2022	11	14	16	50	58.0	0.73	R	-56.559	11.4	-69.770	14.6	11.0	4.5	3	0.3	314	2.6	EAR
172	2022	11	16	15	18	38.3	0.55	R	-57.283	31.2	-65.779	14.5	13.5	30.3	4	0.2	278	3.0	EAR
173	2022	12	20	19	42	57.0	0.38	L	-54.500	4.6	-69.598	3.2	28.9	4.9	4	0.1	223	2.4	EAR
174	2023	1	6	5	9	43.4	0.31	L	-54.937	2.7	-68.200	3.5	10.1	5.2	3	0.0	246	2.4	EAR
175	2023	1	7	10	36	30.9	1.32	R	-52.365	4.8	-71.510	11.7	9.1	5.2	8	0.5	134	3.5	EAR
176 177	2023 2023	1 1	12 14	3 4	0 3	14.0 43.4	0.52 0.98	R R	-57.214 -56.995	3.3 39.5	-67.369 -67.348	12.0 27.0	0.0 0.0	2.2 30.2	5 5	0.2 0.4	283 280	2.7 2.7	EAR EAR
178	2023	1	18	18	32	45.7	0.98	R	-52.589	7.7	-66.455	10.4	27.7	12.5	4	0.4	203	2.6	EAR
179	2023	1	31	7	17	52.4	0.31	L	-54.654	2.4	-67.333	0.6	11.2	2.1	2	0.0	337	1.4	EAR
180	2023	2	11	13	42	17.8	3.20	R	-54.656	24.2	-69.778	26.3	20.8	16.2	4	1.3	230	2.5	EAR
181	2023	2	13	4	19	60.0	0.42	R	-54.141	5.3	-64.552	73.1	2.2	29.4	4	0.1	311	2.6	EAR
182	2023	2	20	11	20	38.4	0.95	R	-57.353	7.2	-66.579	44.3	31.8	5.2	5	0.4	336	3.2	EAR
183 184	2023 2023	2	20 29	14 11	27 49	44.3 34.1	0.81 0.66	R L	-55.027 -54.585	10.3 3.7	-71.116 -67.285	17.4 2.5	12.0F 16.2	0.0 3.4	3 3	0.4 0.1	330 232	2.0	EAR
185	2023	4	2	11	54	50.3	0.68	Ĺ	-53.743	3.1	-66.822	3.5	21.0	4.4	7	0.3	147	3.9	EAR
186	2023	4	16	0	6	52.6	2.13	L	-53.792	14.1	-70.771	19.5	7.0	7.2	9	0.8	210	3.8	EAR
187	2023	5	9	12	1	1.2	0.38	L	-54.603	11.1	-68.076	18.3	6.1	16.0	3	0.1	174	2.0	EAR
188	2023	5	10	18	40	11.4	2.23	L	-54.647	14.7	-68.354	31.1	11.4F	0.0	3	1.1	271	2.3	EAR
189	2023	5	11	22	39	39.0	1.64	R	-53.753	29.9	-63.030	26.7	18.5	11.7	5	0.7	191	3.2	EAR
190 191	2023 2023	5 5	20 20	7 8	34 4	10.0 49.5	0.39 0.36	R R	-57.010 -56.966	3.5 4.5	-69.074 -68.463	19.0 30.5	0.4 25.7	1.9 5.4	3 3	0.1 0.1	345 346	4.5 3.5	EAR EAR
192	2023	5	20	9	17	30.9	0.51	R	-56.866	5.1	-68.365	18.2	28.6	4.0	3	0.1	346	3.4	EAR
193	2023	5	20	10	13	5.5	0.85	R	-56.764	7.1	-68.928	27.6	9.4	6.7	3	0.3	344	2.9	EAR
194	2023	5	20	10	31	14.4	0.36	R	-56.854	2.8	-68.351	11.7	23.1	2.6	3	0.1	346	2.9	EAR
195	2023	5	21	1	51	5.8	0.63	R	-57.135	5.1	-69.104	28.7	0.0	2.7	3	0.2	346	3.4	EAR
196	2023	5	21	20	37	30.2	0.81	R	-56.853	13.9	-69.181	61.2	2.7	9.0	3	0.3	344	3.1	EAR
197 198	2023 2023	5 5	30 30	4 11	35 30	2.6 4.5	0.89 1.71	R R	-56.891 -57.485	8.1 13.5	-69.519 -67.027	21.5 95.8	13.0 32.8	6.0 58.2	5 7	0.4 0.8	314 336	4.3 3.1	EAR EAR
199	2023	6	12	21	19	8.6	0.31	R	-54.846	10.7	-69.807	9.2	15.1	6.8	3	0.0	264	2.8	EAR
200	2023	6	13	11	0	1.5	0.79	R	-54.522	8.1	-69.277	7.3	5.2	6.0	3	0.3	222	2.5	EAR
201	2023	6	13	11	29	46.2	1.07	R	-54.616	40.6	-69.314	9.0	19.5	21.4	4	0.4	233	2.3	EAR
202	2023	6	24	9	27	8.9	0.45	R	-56.849	10.2	-68.556	33.7	12.3	3.5	3	0.1	345	2.7	EAR
203	2023	6 7	25	13	54 10	12.9	0.34	R	-54.569	2.7	-68.272	0.2	13.9	4.3	2	0.0	180	1.7	EAR
204	2023	1	30	1	10	38.6	2.61	R	-55.030	38.8	-60.853	25.4	25.2	18.9	6	1.2	241	4.6	EAR

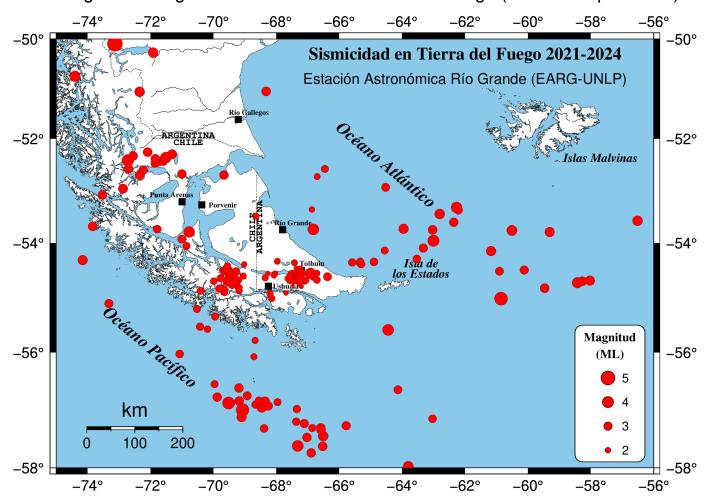
#	Año	М	D	н	М	S	Err.	L	Latitud	Err.	Longitud	Err.	Prof.	Err.	NST	RMS	GAP	ML	Agen.
205	2023	7	30	17	2	35.2	2.53	R	-53.327	46.2	-62.269	42.0	0.8	23.7	5	1.2	182	3.8	EAR
206	2023	8	4	12	41	53.6	0.52	L	-54.367	4.8	-67.423	10.0	57.0	6.5	3	0.2	222	2.2	EAR
207	2023	8	10	6	45	34.3	0.68	R	-54.666	3.5	-69.306	14.6	7.7	4.1	3	0.3	295	2.3	EAR
208	2023	8	30	5	51	9.9	1.40	L	-54.738	6.6	-69.265	13.0	6.4	15.9	5	0.5	259	2.3	EAR
209	2023	9	7	23	37	31.0	1.01	R	-52.585	11.8	-72.700	34.3	10.0	7.2	7	0.4	239	3.1	EAR
210	2023	9	10	7	55	57.1	3.26	R	-54.728	14.6	-69.537	28.0	5.8	18.4	5	1.3	265	2.2	EAR
211	2023	9	11	11	3	40.5	0.44	R	-54.726	3.4	-69.362	5.6	9.5	4.1	5	0.1	261	2.3	EAR
212	2023	9	14	19	51	58.2	0.45	L	-54.428	3.4	-69.554	3.9	3.0	2.0	6	0.1	202	2.4	EAR
213	2023	10	16	9	32	30.0	0.29	L	-54.658	8.0	-67.223	4.9	13.5	1.5	3	0.0	262	2.4	EAR
214	2023	10	30	21	1	44.1	0.51	R	-50.758	5.6	-74.402	9.9	10.8	2.3	6	0.2	317	3.7	EAR
215	2023	11	26	12	21	46.9	1.13	R	-53.452	17.0	-62.805	15.0	3.1	5.4	5	0.5	323	3.5	EAR
216	2023	11	26	14	36	51.9	1.04	R	-54.151	16.9	-61.172	374.2	12.9	201.7	5	0.5	333	3.4	EAR
217	2023	11	27	6	40	22.9	0.57	R	-53.495	10.3	-68.641	4.1	3.4	4.6	3	0.2	257	2.2	EAR
218	2024	1	13	16	28	58.9	1.28	R	-54.736	19.8	-58.424	17.1	4.8	6.8	7	0.6	263	3.7	EAR
219	2024	2	7	1	41	59.6	1.11	L	-54.616	5.4	-69.053	13.3	7.2	12.9	4	0.4	218	2.3	EAR
220	2024	2	27	6	23	60.0	1.05	L	-56.027	14.2	-71.073	9.8	20.0	8.1	7	0.5	289	2.8	EAR
221	2024	3	11	13	6	53.2	1.89	L	-53.739	15.3	-71.785	22.8	13.7	10.0	5	8.0	257	2.8	EAR
222	2024	3	14	13	13	7.0	0.51	L	-52.970	7.2	-72.875	27.1	5.0	11.6	6	0.2	320	3.3	EAR
223	2024	3	26	2	16	57.2	0.34	L	-57.331	5.4	-68.388	15.4	11.9	2.8	3	0.1	328	2.8	EAR
224	2024	4	9	11	26	59.2	0.45	L	-53.929	14.6	-71.009	23.4	20.4	7.6	5	0.1	232	2.8	EAR
225	2024	4	14	3	39	46.7	0.38	R	-54.562	2.0	-67.144	12.1	12.4	3.1	4	0.1	265	2.3	EAR
226	2024	4	14	16	44	2.3	1.23	R	-54.054	8.8	-70.857	13.1	5.9	4.8	5	0.5	232	2.6	EAR
227	2024	4	18	13	15	33.7	0.94	R	-54.297	17.3	-63.533	13.4	13.7	5.7	4	0.4	335	2.8	EAR
228	2024	4	19	10	48	23.1	0.46	R	-56.628	11.0	-69.189	27.1	11.5	3.6	3	0.2	343	3.1	EAR
229	2024	4	20	9	24	12.7	0.84	R	-56.941	8.0	-68.259	34.1	22.0	8.0	2	0.2	347	3.1	EAR
230	2024	5	12	15	39	12.2	0.40	R	-54.351	7.5	-64.894	11.5	14.1	3.7	5	0.1	309	2.8	EAR
231	2024	5	15	14	56	13.7	0.85	R	-57.630	39.0	-67.318	27.7	30.5	39.1	6	0.4	288	3.9	EAR
232	2024	5	29	13	23	44.4	1.37	R	-50.278	18.5	-71.917	53.0	0.0	12.6	4	0.6	332	3.5	EAR
233	2024	6	16	20	19	28.8	0.88	R	-57.636	6.5	-66.523	13.7	5.0	4.6	5	0.4	285	3.2	EAR
234	2024	6	19	18	10	47.2	0.34	R	-55.582	20.2	-70.191	19.2	22.2	16.6	3	0.0	293	2.4	EAR
235	2024	6	24	12	24	44.1	0.30	L	-54.661	4.2	-67.648	5.0	10.0F	0.0	3	0.1	236	1.9	EAR
236	2024	6	29	8	25	18.1	0.96	L	-54.524	3.4	-67.246	19.8	10.0F	0.0	3	0.5	234	2.2	EAR
237	2024	8	21	2	13	14.6	0.42	R	-53.687	9.2	-73.840	81.0	31.5	42.9	5	0.1	312	3.2	EAR
238	2024	8	23	5	53	0.5	1.53	R	-53.793	67.6	-59.306	35.3	32.3	74.0	5	0.7	338	3.4	EAR
239	2024	9	15	7	51	53.1	0.93	R	-52.263	17.4	-72.090	70.2	13.4	6.1	4	0.4	209	3.2	EAR
240	2024	11	6	13	32	18.2	1.23	L	-54.603	1.1	-67.563	1.8	6.0	3.6	4	0.1	154	2.2	EAR

Descripción de las columnas:

- 1: Nº de evento
- 2 a 7: Hora origen del evento: Año, mes , día , hora, minuto y segundo
- 8: Error en la hora origen (s)
- 9: Clasificación según distancia epicentral: Local (L) Regional (R) Distante (D)
- 10: Latitud (°)
- 11: Error en la latitud (km)
- 12: Longitud (°)
- 13: Error en la longitud (km)
- 14: Profundidad (km)
- 15: Error en la profundidad (km)
- 16: Cantidad de estaciones utilizadas en el procesamiento
- 17: Valor cuadrático medio de los residuales de tiempos de viaje (s)
- 18: Cobetura azimutal residual
- 19: Magnitud local
- 20: Agencia de cálculo

Los datos procesados corresponden a la red sismológica propia (FCAG-UNLP) y a estaciones de la Red Sismológica Nacional de Chile. Procesado en la Estación Astronómica Río Grande con el paquete de software Seisan, versión 12.0 Río Grande, marzo de 2025.

Catálogo Sismológico de Referencia de Tierra del Fuego (10mo Complemento)



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