

Apéndice I

Tabla I.1. Base de datos de la sismicidad entre los años de 1960 -2009 en el Golfo de México, recopilada para este trabajo.

No.	Fecha	Hora (GMT)	Latitud (I)	Longitud (°)	Profundidad (km)	Magnitud (mb)
1	19/05/1964	4:18:04	17.9	-92.1	10	4.1
2	03/07/1964	23:50:24	18.09	-94.45	16	4.3
3	23/07/1964	23:57:51	20.07	-96.5	5	4.1
4	14/03/1965	8:52:18	18.72	-94.49	55	4.9
5	03/05/1965	21:46:28	19.3	-95.2	55	3.7
6	20/07/1966	14:33:10	18.24	-94.29	27	4.5
7	09/02/1967	17:26:46	18	-92.6	53	3.9
8	11/03/1967	14:44:56	19.23	-95.74	4	5.3
9	20/06/1967	17:33:52	22	-96	33	3.9
10	20/06/1967	3:57:18	22	-96	33	4
11	30/05/1968	1:21:37	18.1	-94.5	41	4.6
12	07/11/1969	1:27:28	18.14	-94.51	52	4.6
13	25/07/1974	9:53:37	19.3181	-96.1599	59.2	4.5
14	02/08/1978	18:55:14	18.5013	-94.4257	33	4.6
15	05/05/1979	19:57:45	18.0614	-94.5736	55.5	4.1
16	29/06/1982	22:36:29	18.3106	-95.1491	21.5	4.7
17	14/07/1982	13:14:55	18.0843	-94.6142	40.8	4
18	31/12/1983	20:21:34	18.7688	-95.6501	62	4.7
19	06/05/1984	17:51:08	19.447	-92.0656	21.9	4.5
20	07/04/1987	2:02:51	19.33	-94.47	15	4.7
21	21/12/1988	13:09:15	21.601	-94.6548	14	4.5
22	31/07/1990	7:30:10	18.4688	-94.49	33	4.3
23	21/08/1990	0:06:13	18.169	-95.909	48.9	3.4
24	27/11/1991	12:00:29	18.9122	-95.5584	24	3.7
25	05/06/1992	3:42:52	18.938	-95.7581	38.7	4.5
26	31/08/1992	19:42:20	20.0697	-94.4447	46	4.1
27	11/02/1993	0:21:30	18.0732	-93.3991	24	4
28	30/04/1993	15:05:38	18.38	-96.0676	28	3.3
29	01/09/1997	10:50:22	19.0001	-95.8467	56.1	4.1
30	06/09/1997	8:54:55	18.1153	-94.42	33.4	4.7
31	22/09/1997	0:41:37	-95.4203	18.0289	34.8	3.9
32	03/06/1998	02:53:40	19.04	-90.82	34	4.4
33	21/01/1999	09:20:33	18.28	-94.63	15	4.2
34	24/06/1999	01:27:59	17.75	-94.77	58	4.3
35	17/07/1999	09:49:52	17.1	-93.68	16	3.9
36	18/07/1999	01:09:52	17.75	-94.21	43	3.9
37	25/11/1999	07:27:48	17.82	-94.05	16	3.9
38	02/06/2000	17:44:02	18.16	-94.53	40	4

39	05/06/2000	11:59:31	19.055	-95.699	11.7	3.8
40	01/07/2000	18:12:58	17.46	-92.91	5	4.3
41	23/03/2001	23:53:56	17.86	-94.46	16	4.4
42	19/04/2001	21:42:52	19.133	-96.017	35.7	3
43	01/05/2001	21:20:29	20.05	-96.38	10	3.8
44	21/07/2001	0:09:51	19.423	-92.191	33.8	3.9
45	09/10/2001	18:48:23	18.2157	-95.1427	33.9	4.2
46	28/07/2002	23:23:31	21.705	-96.12	28.1	3.6
47	02/09/2002	11:23:20	20.13	-96.75	6	3.3
48	14/04/2003	03:43:24	17.41	-94.05	50	4.1
49	24/05/2003	16:16:30	18.9963	-95.9506	25.9	3.3
50	12/06/2003	03:40:14	17.32	-94.49	52	4.1
51	12/06/2003	07:43:37	17.31	-94.41	42	4.2
52	16/08/2003	7:10:21	19.7927	-94.1298	30	3.7
53	18/11/2003	21:57:35	17.75	-94.88	16	4
54	24/11/2003	03:03:13	17.22	-94.9	60	4.3
55	25/12/2003	01:06:52	18.56	-94.51	52	3.9
56	17/03/2004	11:44:32	18.0357	-95.3966	43.1	4
57	25/03/2004	11:12:37	17.11	-94.99	26	4.2
58	01/04/2004	22:40:40	18.31	-93.41	54	4.2
59	09/04/2004	20:32:58	18.25	-94.51	39	3.8
60	14/11/2005	7:43:40	18.4617	-95.759	51.4	4.4
61	24/11/2005	23:57:26	18.4	-94.92	5	3.9
62	07/12/2005	03:49:16	18.15	-94.58	46	3.7
63	04/02/2006	04:27:00	19.27	-96.25	16	3.8
64	14/04/2006	19:31:45	19.33	-96.37	42	3.8
65	22/06/2006	00:34:58	17.85	-93.58	56	4.3
66	05/11/2006	20:19:13	17.78	-94.85	58	3.5
67	27/11/2006	23:18:21	18.39	-94.76	20	4
68	29/12/2006	19:58:57	18.17	-94.42	35	4.5
69	09/02/2007	14:42:25	19.57	-92.26	20	4.8
70	12/02/2007	16:17:05	19.2	-95.9	16	3.8
71	20/03/2007	09:53:15	18.03	-94.55	44	3.7
72	20/03/2007	05:33:10	17.19	-92.09	7	4.5
73	23/05/2007	19:09:15	21.98	-96.31	4.6	5.2
74	29/05/2007	05:34:06	17.56	-92.64	24	4.4
75	31/05/2007	21:13:15	18.22	-94.53	44	4.2
76	08/06/2007	22:48:11	18.25	-93.47	11	4.4
77	28/07/2007	03:58:37	17.13	-94.58	56	4
78	05/09/2007	22:13:13	17	-92.44	10	4.1
79	30/09/2007	21:42:54	18.65	-93.79	63	4.5
80	30/10/2007	03:45:03	17.15	-93.35	65	4.5
81	08/12/2007	01:32:41	17.48	-95.54	59	3.9
82	16/01/2008	21:41:41	17.05	-94.81	61	3.7
83	08/03/2008	17:03:10	17.04	-92.46	7	3.3

84	08/04/2008	10:25:29	17.94	-93.88	61	4.1
85	21/04/2008	06:25:21	18.23	-94.08	31	4.1
86	23/05/2008	19:49:45	18.28	-94.58	34	3.8
87	26/06/2008	21:33:03	19.4	-95.91	22	4
88	16/07/2008	08:22:12	18.19	-94.45	43	3.8
89	07/08/2008	06:39:02	18.21	-94.6	20	4.2
90	23/09/2008	20:46:05	22.46	-97.54	11	4.2
91	24/09/2008	22:26:03	17.83	-95.01	40	3.8
92	13/10/2008	22:18:59	17.07	-94.84	54	4
93	18/10/2008	04:19:12	17.61	-91.54	12	4.2
94	29/10/2008	09:03:31	17.07	-94.62	32	3.7
95	02/11/2008	21:39:12	17.21	-92.3	16	3.6
96	04/11/2008	16:32:09	17.01	-94.85	50	3.9
97	01/12/2008	15:43:24	18.2	-95.27	29	4
98	02/12/2008	08:40:26	17.19	-91.73	47	4.2
99	09/12/2008	05:38:05	17.22	-94.4	49	4
100	30/12/2008	21:24:02	17.16	-94.52	42	3.9
101	09/01/2009	22:54:27	17	-94.98	63	3.9
102	12/01/2009	13:13:20	17.8	-95.61	25	3.9
103	08/02/2009	20:59:36	17.49	-93.95	55	4
104	10/02/2009	15:33:11	17.27	-93.67	60	4
105	18/02/2009	19:08:28	17.5	-95.54	46	3.9
106	02/03/2009	22:38:12	17.03	-90.49	16	3.9
107	15/03/2009	23:17:46	22.1	-91.86	50	4.4
108	22/03/2009	20:53:37	18.97	-97.04	28	3.7
109	06/04/2009	04:12:24	17.11	-94.7	54	3.4
110	21/04/2009	14:40:10	17.5	-94.74	30	3.8
111	24/04/2009	04:01:25	18.17	-94.55	57	4.1
112	29/04/2009	03:50:58	18.47	-95	60	4.2
113	18/05/2009	12:45:03	21.75	-98.45	2	4.2
114	09/08/2009	09:00:37	17.54	-94	10	3.8
115	17/08/2009	02:19:01	20.45	-95.97	12	4.3
116	19/10/2009	12:35:38	18.45	-96.8	29	3.7
117	20/10/2009	19:40:56	19.19	-96.36	16	3.6
118	29/10/2009	17:25:20	18.93	-95.74	21	4.2
119	29/10/2009	04:52:57	18.89	-95.81	13	5.5
120	01/11/2009	15:24:47	19	-95.66	24	3.8
121	29/11/2009	13:05:04	18.99	-95.59	22	4
122	15/12/2009	05:13:40	19.66	-96.84	20	3.8

Tabla I.2. Tabla d tiempos de arribos de la onda P para el sismo de 29/10/2009.

Estación	Tiempo de arribo		
	h	m	s
BBSR	10	59	11.3
SAML	11	0	45.63
LPAZ	11	1	5.5
LVC	11	1	41.78
LCO	11	2	16.5
CPUP	11	2	49.73
RCBR	11	3	27.35
PLCA	11	3	28.02
TRQA	11	3	34.74
KPL	11	4	31.62
GAL1	11	4	37.35
EDI	11	4	34.88
DYA	11	4	45.7
JSA	11	4	51.13
PAB	11	4	59.33
SEININ	11	5	31.27
GRFO	11	5	36.75
FOURN	11	5	39.98
DBIC	11	5	47.55

Tabla I.3. Tabla de tiempos de arribos de la onda P para el sismo de 23/05/2007.

Estación	Tiempo de arribo		
	h	m	s
HUMO	19	15	23.06
WIFE	19	15	28.54
DBO	19	15	29.23
COR	19	15	39.39
FFC	19	15	49.58
GRGR	19	16	2.80
COLA	19	18	41.48
GAMB	19	19	15.4
TNA	19	19	39.40
BILL	19	20	42.3
TIXI	19	21	31.96
MA2	19	21	35.16

Tabla I.4. Tabla de estaciones europeas que registraron el sismo 23/05/2007, Fig. 6.3.

Estación	Distancia	Azimut	SNR	
KEV.IU	79.95°	17°	1.56	Kevo, Finlandia
HGN.NL	80.49°	39°	2.02	Heimansgroeve, Holanda
SENIN.CH	83.12°	42°	1.65	Suiza
GRFO.IU	84.02°	38°	1.6	Grafenberg, Alemania
VSL.MN	87.48°	48°	1.79	Villasalto, Italia
TIP.MN	92.64°	45°	2.16	Timpagrande, Italia