



**ESCUELA POLITECNICA NACIONAL  
INSTITUTO GEOFISICO**

Campus Ing. José Rubén Orellana

Apartado 2759 Telf: 2225-655; 2225627  
Quito - Ecuador Fax: (593)-2-2567847 - www.igepn.edu.ec

## Sismicidad 1997

La siguiente información fue registrada por la Red Nacional de Sismógrafos y procesada en el Instituto Geofísico de la Escuela Politécnica Nacional. Se presentan los sismos de magnitud mayor o igual a 4 en la escala de Richter. La distancia y azimut son determinados con respecto a la ciudad referencial, que es la capital de provincia más cercana al evento.

FECHA -----	TIEMPO -----	LAT. ----	LONG. ----	PROF. km	Mag. DIST. --- km	AZIMUT grados	CIUDAD referencial
1997/01/01	04:37:99	9.50N	73.59W	22.5	6.41068.65	25.4°	TULCAN
1997/01/01	14:25:05	2.88S	78.23W	12.0	4.1 63.77	189.6°	MACAS
1997/01/01	22:47:13	0.06S	81.04W	21.7	4.5 127.81	328.9°	PORTOVIEJO
1997/01/02	03:18:04	2.65S	78.12W	5.0	4.0 38.35	177.6°	MACAS
1997/01/03	01:44:46	0.13S	80.70W	26.6	4.2 105.81	344.8°	PORTOVIEJO
1997/01/04	10:23:19	4.23S	80.85W	132.3	4.4 146.05	222.6°	MACHALA
1997/01/05	07:31:41	0.99S	81.22W	0.8	4.1 85.31	274.4°	PORTOVIEJO
1997/01/06	16:42:03	3.51S	80.11W	62.8	4.5 32.15	211.5°	MACHALA
1997/01/07	02:12:22	0.94S	79.21W	107.7	4.8 65.42	268.5°	LATACUNGA
1997/01/07	13:13:10	1.95S	80.11W	7.3	4.1 35.70	319.0°	GUAYAQUIL
1997/01/08	02:36:33	1.53S	77.99W	188.4	4.1 4.83	183.0°	PUYO
1997/01/09	06:03:04	2.02S	79.95W	20.7	4.3 19.30	343.7°	GUAYAQUIL
1997/01/09	20:35:53	1.09S	78.29W	1.8	4.0 40.52	115.9°	LATACUNGA
1997/01/10	05:59:12	2.60S	77.90W	12.0	4.0 41.07	140.8°	MACAS
1997/01/10	11:48:00	5.05S	80.88W	23.8	5.0 219.38	237.8°	LOJA
1997/01/10	14:19:07	0.16S	80.86W	26.4	4.1 109.10	335.4°	PORTOVIEJO
1997/01/11	10:27:31	0.02N	80.92W	9.9	4.6 129.97	336.2°	PORTOVIEJO
1997/01/11	13:42:05	0.04N	81.09W	16.1	4.4 140.70	329.5°	PORTOVIEJO
1997/01/13	11:23:17	0.04S	80.87W	15.1	4.1 121.00	337.5°	PORTOVIEJO
1997/01/21	00:10:04	1.65S	81.96W	12.0	4.6 180.03	248.3°	PORTOVIEJO
1997/01/21	01:54:22	1.39S	81.64W	16.5	4.6 137.59	254.0°	PORTOVIEJO
1997/01/21	02:29:34	2.12S	80.23W	14.0	4.0 37.51	281.5°	GUAYAQUIL
1997/01/21	09:48:24	0.10S	80.82W	20.9	4.0 113.47	338.5°	PORTOVIEJO
1997/01/21	15:16:05	0.21S	81.13W	20.9	4.4 120.06	320.9°	PORTOVIEJO
1997/01/21	19:40:23	2.14S	77.28W	16.0	4.0 96.33	78.6°	MACAS
1997/01/22	10:23:36	4.19S	77.21W	52.0	4.4 193.09	93.9°	ZAMORA
1997/01/23	02:20:15	2.30S	78.54W	209.1	5.5 45.67	272.1°	MACAS
1997/01/24	04:32:31	2.82S	78.08W	5.0	4.4 57.08	174.0°	MACAS
1997/01/25	04:41:11	0.67S	79.57W	27.0	4.1 106.55	66.3°	PORTOVIEJO
1997/01/28	12:30:27	2.97S	79.13W	36.7	4.3 16.51	235.9°	CUENCA
1997/02/01	06:58:14	1.89S	81.75W	8.6	4.7 171.76	237.0°	PORTOVIEJO
1997/02/01	15:13:21	1.81S	81.81W	0.8	4.7 173.10	240.7°	PORTOVIEJO
1997/02/01	15:17:10	1.82S	81.81W	16.0	4.2 173.28	240.5°	PORTOVIEJO
1997/02/01	23:43:04	2.58N	80.11W	0.0	4.9 185.16	344.9°	ESMERALDAS
1997/02/03	03:11:07	1.65S	81.82W	12.0	4.9 166.02	246.2°	PORTOVIEJO
1997/02/04	13:14:34	2.71S	78.14W	8.0	4.7 45.00	181.2°	MACAS
1997/02/05	01:28:12	2.61S	78.16W	6.0	4.8 34.00	185.7°	MACAS
1997/02/05	09:43:15	1.80S	81.95W	14.0	4.9 186.86	243.3°	PORTOVIEJO
1997/02/05	20:50:30	0.96N	78.15W	6.8	4.2 50.21	289.0°	TULCAN
1997/02/06	01:24:06	0.93N	78.13W	11.4	4.0 47.77	286.4°	TULCAN
1997/02/06	09:35:00	3.53S	80.34W	46.8	4.9 51.56	235.0°	MACHALA
1997/02/06	17:14:12	1.87S	78.14W	3.8	4.0 45.07	201.6°	PUYO
1997/02/08	00:48:17	3.46S	76.91W	52.0	4.6 186.36	133.4°	MACAS

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1997/02/10	22:25:16	3.13S	80.06W	58.3	4.8	17.98	323.7°	MACHALA
1997/02/12	02:50:52	1.18S	79.80W	13.0	4.2	73.44	101.3°	PORTOVIEJO
1997/02/12	21:49:15	4.29S	80.38W	76.9	4.6	123.81	202.4°	MACHALA
1997/02/14	06:16:21	2.50S	78.05W	5.0	4.8	23.36	156.6°	MACAS
1997/02/14	07:40:05	0.65S	80.32W	16.7	4.1	46.64	17.6°	PORTOVIEJO
1997/02/15	11:29:02	3.20S	81.19W	52.2	5.6	136.52	272.8°	MACHALA
1997/02/17	00:28:16	2.14S	79.77W	14.1	4.1	15.50	70.3°	GUAYAQUIL
1997/02/17	08:50:18	2.02S	78.09W	164.5	4.7	32.98	7.0°	MACAS
1997/02/18	05:40:08	1.95S	77.91W	179.0	4.6	47.03	30.5°	MACAS
1997/02/19	02:39:21	0.94N	78.15W	0.0	4.3	50.37	286.6°	TULCAN
1997/02/19	18:26:00	4.42N	76.48W	106.0	5.7	424.11	19.0°	TULCAN
1997/02/20	22:02:23	2.61S	78.60W	12.0	4.1	29.42	62.6°	AZOGUES
1997/02/22	10:46:27	3.74S	80.26W	1.6	4.9	62.53	212.1°	MACHALA
1997/02/23	21:36:10	1.48S	77.99W	188.9	4.1	0.93	1.4°	PUYO
1997/02/25	00:54:06	2.82S	80.53W	101.1	4.5	79.60	307.8°	MACHALA
1997/02/26	14:51:27	2.82S	77.46W	5.6	4.3	93.75	127.0°	MACAS
1997/02/28	02:16:05	2.78S	77.94W	0.0	4.0	56.60	157.6°	MACAS
1997/03/01	05:29:19	2.83S	77.91W	12.0	4.3	62.56	157.4°	MACAS
1997/03/02	07:28:21	1.50N	79.77W	16.0	4.4	60.08	349.6°	ESMERALDAS
1997/03/03	20:40:13	2.26S	77.16W	10.8	4.7	107.95	87.0°	MACAS
1997/03/04	03:19:40	1.55S	81.47W	25.0	4.2	125.71	244.0°	PORTOVIEJO
1997/03/05	19:05:48	1.03S	78.28W	4.9	4.4	39.55	106.3°	LATACUNGA
1997/03/06	00:36:16	0.01N	80.02W	27.1	4.2	114.16	200.1°	ESMERALDAS
1997/03/06	07:30:11	2.03S	78.73W	137.0	4.0	40.56	193.4°	RIOBAMBA
1997/03/06	10:25:19	1.41S	78.91W	30.5	4.4	21.53	29.2°	GUARANDA
1997/03/07	02:03:52	1.09S	78.32W	9.5	4.1	37.88	117.1°	LATACUNGA
1997/03/07	17:28:17	2.00N	77.08W	145.7	5.3	150.20	28.1°	TULCAN
1997/03/09	02:44:34	1.05S	78.26W	3.9	4.0	42.30	108.3°	LATACUNGA
1997/03/11	00:46:32	1.07S	78.25W	2.2	4.0	43.75	111.4°	LATACUNGA
1997/03/11	11:35:17	1.92S	77.43W	245.0	4.5	78.62	127.0°	PUYO
1997/03/14	15:17:00	1.14S	81.20W	10.2	4.3	84.09	263.5°	PORTOVIEJO
1997/03/14	21:57:04	1.12S	81.14W	12.0	4.2	77.40	264.3°	PORTOVIEJO
1997/03/15	00:57:09	1.60S	77.69W	236.5	4.3	35.51	110.5°	PUYO
1997/03/15	14:12:07	0.75S	79.64W	29.8	4.1	96.51	69.6°	PORTOVIEJO
1997/03/15	18:11:23	2.61S	78.04W	12.0	4.7	35.00	162.5°	MACAS
1997/03/15	23:15:11	2.00S	79.65W	17.6	4.2	25.72	210.0°	BABAHOYO
1997/03/17	00:27:08	2.85S	78.00W	16.0	4.8	61.57	166.3°	MACAS
1997/03/17	01:11:18	2.79S	78.08W	16.0	4.9	53.25	173.9°	MACAS
1997/03/17	19:58:18	4.81S	76.35W	100.0	4.4	299.48	106.0°	ZAMORA
1997/03/20	09:24:27	2.68S	78.07W	12.0	4.8	41.41	170.4°	MACAS
1997/03/20	19:10:00	2.73S	78.01W	5.0	4.2	48.15	163.8°	MACAS
1997/03/23	12:59:21	2.75S	76.78W	75.0	4.3	157.94	108.1°	MACAS
1997/03/24	18:59:13	3.53S	80.23W	25.0	4.6	42.75	225.3°	MACHALA
1997/03/25	09:24:12	1.04S	77.76W	9.4	4.0	7.26	79.0°	TENA
1997/03/25	17:33:43	1.08S	78.75W	12.7	4.0	21.63	220.8°	LATACUNGA
1997/03/26	08:10:35	1.40S	79.39W	3.7	4.1	47.28	295.1°	GUARANDA
1997/03/26	09:02:15	3.73S	79.14W	127.8	4.2	30.58	14.2°	LOJA
1997/03/27	14:06:33	1.08S	78.74W	0.0	4.3	21.64	219.7°	LATACUNGA
1997/03/27	21:38:46	0.82S	77.62W	15.8	4.2	33.38	40.7°	TENA
1997/03/28	01:08:18	0.94S	79.44W	87.7	4.0	86.02	325.7°	GUARANDA
1997/03/28	03:18:29	1.40S	77.97W	203.6	4.2	10.01	12.1°	PUYO
1997/03/29	02:15:26	1.09S	78.28W	0.5	4.0	42.16	115.7°	LATACUNGA
1997/03/30	03:43:24	2.65S	78.08W	16.0	4.2	38.00	172.4°	MACAS
1997/03/30	08:35:36	0.99S	78.75W	13.6	4.0	16.38	244.9°	LATACUNGA
1997/03/30	21:42:04	0.92S	79.81W	35.7	4.0	72.51	78.5°	PORTOVIEJO
1997/03/31	05:16:01	1.00S	78.75W	16.1	4.0	16.35	240.7°	LATACUNGA

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1997/03/31	05:24:19	2.47S	79.39W	36.8	4.2	62.97	318.3°	CUENCA
1997/04/01	08:28:49	1.43S	80.53W	35.2	4.0	42.82	191.3°	PORTOVIEJO
1997/04/01	14:09:11	2.92S	78.10W	11.0	4.1	67.96	177.1°	MACAS
1997/04/02	13:12:48	0.90N	78.06W	13.1	4.5	39.50	284.3°	TULCAN
1997/04/02	22:05:05	2.88S	78.20W	12.0	4.0	63.28	187.0°	MACAS
1997/04/04	00:57:23	1.19S	80.86W	16.8	4.1	48.40	251.2°	PORTOVIEJO
1997/04/05	00:14:07	1.10N	79.14W	20.2	4.2	60.96	76.3°	ESMERALDAS
1997/04/06	20:30:42	0.31N	78.41W	7.0	4.1	33.98	261.4°	IBARRA
1997/04/07	18:29:29	3.00S	77.62W	24.0	4.1	94.93	143.5°	MACAS
1997/04/08	03:24:00	0.45S	80.61W	27.6	4.1	69.35	345.4°	PORTOVIEJO
1997/04/09	02:37:17	1.08S	78.76W	21.5	4.2	23.02	224.1°	LATACUNGA
1997/04/09	15:24:08	0.44S	77.44W	22.7	4.4	79.74	31.7°	TENA
1997/04/10	05:01:38	1.13S	78.79W	19.5	4.1	21.35	305.2°	AMBATO
1997/04/11	01:27:31	0.99N	78.13W	6.5	4.1	50.03	293.1°	TULCAN
1997/04/11	07:55:20	2.09S	81.55W	9.1	4.1	168.69	226.6°	PORTOVIEJO
1997/04/14	02:17:21	0.13S	80.91W	23.7	4.2	114.27	333.3°	PORTOVIEJO
1997/04/14	02:28:10	0.20S	80.82W	30.6	4.4	102.88	336.7°	PORTOVIEJO
1997/04/15	01:41:27	2.78S	76.96W	23.0	4.1	139.82	111.9°	MACAS
1997/04/17	02:35:26	2.61S	78.09W	12.0	4.0	33.93	171.8°	MACAS
1997/04/18	11:54:28	0.78N	79.33W	25.2	4.0	42.92	119.0°	ESMERALDAS
1997/04/22	05:41:09	2.64S	79.17W	4.9	4.2	33.11	326.7°	CUENCA
1997/04/22	07:43:12	4.12S	80.26W	114.8	4.8	100.95	199.0°	MACHALA
1997/04/22	22:33:51	0.49S	80.37W	27.4	4.4	62.35	8.0°	PORTOVIEJO
1997/04/27	00:18:27	0.33S	80.47W	15.7	4.6	80.50	358.6°	PORTOVIEJO
1997/04/28	05:35:07	3.79S	79.47W	37.9	4.4	37.09	308.6°	LOJA
1997/04/30	04:36:04	2.84S	78.09W	0.0	4.0	59.53	176.1°	MACAS
1997/04/30	08:59:06	0.63S	78.79W	7.8	4.0	38.55	329.8°	LATACUNGA
1997/05/01	03:05:07	1.99S	80.11W	12.0	4.3	32.42	313.4°	GUAYAQUIL
1997/05/01	04:27:08	2.71S	78.23W	3.6	4.0	45.80	194.4°	MACAS
1997/05/01	09:42:00	2.36S	79.81W	15.2	4.4	21.13	151.3°	GUAYAQUIL
1997/05/02	02:16:03	0.08N	78.44W	11.4	4.3	31.94	12.3°	QUITO
1997/05/02	07:30:34	1.55S	78.00W	189.8	5.2	6.58	192.9°	PUYO
1997/05/02	11:27:52	0.08N	78.46W	11.3	4.2	31.21	9.1°	QUITO
1997/05/02	17:46:38	0.09N	78.46W	12.1	4.0	32.59	8.5°	QUITO
1997/05/03	01:36:06	2.30S	78.65W	132.5	4.0	52.54	23.4°	AZOGUES
1997/05/03	08:50:02	2.61S	82.14W	35.0	4.9	252.44	286.6°	MACHALA
1997/05/03	18:07:25	1.28S	79.79W	0.0	4.0	65.14	333.4°	BABAHOYO
1997/05/04	07:06:00	1.09S	78.35W	10.5	4.2	34.71	119.9°	LATACUNGA
1997/05/05	12:11:09	2.24N	78.47W	36.3	4.0	179.27	332.2°	TULCAN
1997/05/05	19:20:21	2.74S	78.01W	0.0	4.2	49.49	164.3°	MACAS
1997/05/06	06:30:26	2.45S	78.01W	3.2	4.2	20.33	140.5°	MACAS
1997/05/06	15:13:18	4.01S	81.07W	199.6	4.7	149.39	236.0°	MACHALA
1997/05/07	07:36:04	1.32S	81.38W	33.8	4.5	107.10	253.8°	PORTOVIEJO
1997/05/08	21:05:13	1.06S	78.33W	13.9	4.0	35.07	115.0°	LATACUNGA
1997/05/10	04:21:37	1.07S	80.72W	28.1	4.1	30.53	266.3°	PORTOVIEJO
1997/05/10	11:29:01	2.76S	78.06W	12.0	4.0	50.57	170.7°	MACAS
1997/05/11	19:56:25	1.95N	78.65W	0.0	4.2	157.39	46.2°	ESMERALDAS
1997/05/16	02:29:35	1.41S	80.90W	12.6	4.2	63.64	231.4°	PORTOVIEJO
1997/05/20	11:15:30	1.56S	78.04W	195.2	4.2	9.76	217.6°	PUYO
1997/05/21	20:42:24	2.73S	77.96W	12.0	4.8	49.96	158.4°	MACAS
1997/05/23	18:38:05	2.74S	78.04W	7.0	4.0	48.82	168.3°	MACAS
1997/05/24	14:09:11	2.40S	79.59W	6.0	4.1	41.82	124.5°	GUAYAQUIL
1997/05/24	16:34:11	2.65S	77.98W	0.6	4.3	41.17	156.6°	MACAS
1997/05/25	00:56:34	1.20S	78.20W	2.5	4.0	39.39	324.5°	PUYO
1997/05/25	22:23:14	1.84S	79.76W	27.7	5.1	26.09	260.1°	BABAHOYO
1997/05/25	23:19:06	1.81S	77.69W	10.3	4.0	49.30	136.8°	PUYO

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1997/05/26	05:52:25	2.71S	78.04W	5.0	4.5	45.53	167.9°	MACAS
1997/05/27	12:19:51	0.12S	78.49W	14.2	4.0	9.16	6.5°	QUITO
1997/05/27	17:49:34	0.46S	78.69W	17.9	4.0	36.29	216.6°	QUITO
1997/05/28	01:16:27	2.80S	78.13W	12.0	4.0	54.57	180.5°	MACAS
1997/05/28	23:55:19	3.22S	81.85W	52.0	4.4	209.74	271.3°	MACHALA
1997/05/29	06:32:21	2.54S	82.25W	52.0	4.6	259.29	230.4°	PORTOVIEJO
1997/05/29	10:22:40	1.32N	79.30W	12.0	4.1	56.05	46.8°	ESMERALDAS
1997/06/01	05:14:03	2.86S	78.87W	5.0	4.1	14.31	192.6°	AZOGUES
1997/06/05	23:55:34	0.70S	78.68W	13.1	4.0	26.14	345.0°	LATACUNGA
1997/06/08	08:13:30	1.09S	78.30W	10.2	4.0	39.51	117.1°	LATACUNGA
1997/06/08	10:35:37	0.59S	81.36W	30.4	4.5	113.33	297.0°	PORTOVIEJO
1997/06/08	19:18:02	2.64S	77.63W	12.0	4.1	66.62	123.5°	MACAS
1997/06/09	01:60:17	1.02S	78.28W	7.3	4.2	38.72	105.8°	LATACUNGA
1997/06/09	07:00:24	2.15S	77.04W	28.9	4.1	122.36	81.9°	MACAS
1997/06/09	14:21:13	2.47S	75.23W	7.1	5.0	322.64	93.1°	MACAS
1997/06/10	17:42:45	2.64S	77.73W	0.1	4.1	57.62	128.8°	MACAS
1997/06/12	19:17:42	2.80S	78.02W	7.4	4.4	55.45	166.9°	MACAS
1997/06/13	13:31:07	1.09S	78.26W	26.0	4.4	43.39	113.8°	LATACUNGA
1997/06/16	09:25:18	1.47S	77.88W	218.7	5.1	12.79	79.8°	PUYO
1997/06/16	09:37:16	1.36S	80.21W	9.4	4.5	43.90	141.7°	PORTOVIEJO
1997/06/17	06:15:44	0.40S	78.65W	17.9	4.2	27.24	217.0°	QUITO
1997/06/17	09:35:04	0.18S	77.38W	8.9	4.7	62.45	240.1°	N_LOJA
1997/06/17	18:03:03	2.74S	78.09W	7.0	4.2	47.59	174.4°	MACAS
1997/06/18	01:19:10	2.73S	78.20W	13.0	4.0	47.73	189.4°	MACAS
1997/06/18	21:27:33	2.67S	78.07W	1.5	4.1	41.15	170.3°	MACAS
1997/06/18	22:36:06	1.16N	77.94W	25.6	4.8	46.35	328.0°	TULCAN
1997/06/19	15:23:24	3.50S	80.87W	12.0	4.7	105.09	255.3°	MACHALA
1997/06/19	17:48:05	2.83S	78.14W	12.0	4.5	57.44	180.6°	MACAS
1997/06/19	20:10:26	2.42S	79.00W	164.3	4.3	38.94	333.0°	AZOGUES
1997/06/20	18:08:22	2.06S	78.03W	196.5	4.0	29.96	22.2°	MACAS
1997/06/21	16:25:28	2.33S	79.50W	94.8	4.1	47.02	109.0°	GUAYAQUIL
1997/06/22	10:18:21	0.30N	80.11W	10.0	4.3	88.91	213.0°	ESMERALDAS
1997/06/22	12:07:19	0.72S	78.69W	18.8	4.3	24.75	340.7°	LATACUNGA
1997/06/23	17:24:16	0.45S	77.35W	11.7	4.1	80.25	219.8°	N_LOJA
1997/06/24	05:01:55	1.05S	78.30W	10.0	4.2	37.31	110.2°	LATACUNGA
1997/06/24	05:04:27	1.05S	78.30W	6.7	4.2	38.55	111.0°	LATACUNGA
1997/06/24	17:30:51	1.08S	78.74W	13.2	4.0	21.39	220.1°	LATACUNGA
1997/06/24	20:18:20	2.71S	78.14W	12.0	4.0	44.45	181.5°	MACAS
1997/06/25	20:10:18	2.22S	79.85W	6.0	4.1	5.99	122.3°	GUAYAQUIL
1997/06/26	18:22:14	2.53S	79.93W	12.4	4.9	37.73	185.8°	GUAYAQUIL
1997/06/26	23:53:21	2.87S	77.65W	12.0	4.2	82.25	139.3°	MACAS
1997/06/27	00:38:14	1.08S	78.84W	6.3	4.3	29.16	236.5°	LATACUNGA
1997/06/27	00:47:10	2.98S	78.00W	5.0	4.1	76.41	168.9°	MACAS
1997/06/27	07:10:12	2.77S	77.88W	10.0	4.8	58.00	151.8°	MACAS
1997/06/27	20:51:12	2.61S	77.97W	1.5	4.4	37.78	152.3°	MACAS
1997/06/30	18:57:32	3.89S	80.99W	19.1	5.9	134.47	238.6°	MACHALA
1997/06/30	23:07:25	1.06S	78.36W	11.9	4.1	32.36	117.6°	LATACUNGA
1997/07/01	21:40:67	1.30S	78.46W	18.0	4.1	20.45	109.1°	AMBATO
1997/07/02	19:31:36	0.71S	78.70W	17.1	4.0	25.41	340.8°	LATACUNGA
1997/07/03	04:47:17	2.70N	79.56W	14.2	4.7	193.11	3.8°	ESMERALDAS
1997/07/05	00:10:09	4.13S	77.44W	52.0	4.5	166.56	92.2°	ZAMORA
1997/07/08	03:25:62	6.80S	80.32W	158.9	5.1	334.65	201.6°	LOJA
1997/07/09	14:14:32	1.83S	79.69W	40.4	4.3	17.71	258.8°	BABAHOYO
1997/07/13	06:11:27	2.17S	79.86W	32.4	4.2	5.31	65.3°	GUAYAQUIL
1997/07/13	23:51:21	0.99S	79.72W	18.2	4.3	80.98	84.9°	PORTOVIEJO
1997/07/14	08:55:09	0.90N	79.06W	12.4	4.1	67.72	96.4°	ESMERALDAS

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1997/07/15	16:55:14	2.42S	80.60W	50.0	4.2	81.85	251.7°	GUAYAQUIL
1997/07/16	21:19:03	1.53S	81.07W	22.0	4.1	87.11	232.5°	PORTOVIEJO
1997/07/19	07:54:00	0.06N	77.35W	13.3	4.0	50.78	265.5°	N_LOJA
1997/07/23	14:03:33	6.10S	75.91W	33.0	5.3	405.24	123.8°	ZAMORA
1997/07/24	17:48:12	1.36S	80.77W	12.0	4.4	49.62	226.5°	PORTOVIEJO
1997/07/25	19:37:57	0.11S	78.43W	11.5	4.0	13.00	37.2°	QUITO
1997/07/27	17:60:11	0.66N	79.36W	23.3	4.2	48.74	134.6°	ESMERALDAS
1997/07/29	01:47:08	1.89S	77.70W	175.5	4.3	54.94	144.5°	PUYO
1997/07/30	16:06:21	1.14S	79.68W	40.2	4.1	75.47	347.1°	BABAHOYO
1997/07/31	04:05:11	1.56S	81.73W	55.0	4.3	153.50	248.4°	PORTOVIEJO
1997/08/06	18:54:08	0.77N	78.59W	6.0	4.3	69.93	310.4°	IBARRA
1997/08/09	02:28:23	1.09S	78.31W	2.6	4.1	38.21	117.0°	LATACUNGA
1997/08/09	14:00:31	3.39S	80.31W	40.0	4.7	40.89	249.9°	MACHALA
1997/08/10	13:55:38	1.16S	78.43W	17.6	4.8	24.25	67.5°	AMBATO
1997/08/10	18:40:12	3.49S	80.43W	50.0	4.5	58.42	244.3°	MACHALA
1997/08/11	16:14:15	3.34S	80.44W	52.0	4.2	54.06	260.4°	MACHALA
1997/08/12	01:39:02	2.79S	77.94W	5.0	4.1	57.88	158.0°	MACAS
1997/08/13	05:04:15	0.58S	79.04W	185.7	4.4	60.31	309.6°	LATACUNGA
1997/08/15	19:02:41	0.39S	77.38W	11.0	4.0	76.72	225.2°	N_LOJA
1997/08/18	08:33:20	1.19S	81.22W	12.0	4.5	86.98	259.6°	PORTOVIEJO
1997/08/19	12:31:27	3.08S	78.20W	5.0	4.1	80.90	118.5°	AZOGUES
1997/08/20	00:22:22	1.63S	81.21W	52.0	4.0	105.67	232.6°	PORTOVIEJO
1997/08/20	20:58:08	2.74S	77.97W	16.0	4.2	50.97	159.7°	MACAS
1997/08/21	10:57:54	4.95S	80.41W	51.7	4.5	169.89	231.7°	LOJA
1997/08/22	16:42:05	2.89S	77.85W	12.0	4.0	71.54	154.3°	MACAS
1997/08/23	17:37:29	2.82S	77.96W	5.0	4.9	59.23	161.5°	MACAS
1997/08/24	03:41:28	2.74S	79.95W	52.0	4.2	57.74	1.3°	MACHALA
1997/08/24	10:09:05	2.58S	77.96W	5.0	4.2	35.16	147.7°	MACAS
1997/08/26	06:27:00	1.76S	76.97W	51.7	4.0	117.38	105.1°	PUYO
1997/08/26	07:48:02	2.83S	78.25W	12.0	4.1	59.81	192.8°	MACAS
1997/08/27	05:56:27	0.58S	78.83W	11.5	4.1	44.96	328.8°	LATACUNGA
1997/08/28	11:43:12	2.10S	79.93W	5.7	4.3	9.96	343.5°	GUAYAQUIL
1997/08/30	06:50:38	3.28S	81.09W	52.0	4.9	125.61	268.9°	MACHALA
1997/08/31	03:00:31	1.54S	81.36W	52.0	4.3	115.11	242.0°	PORTOVIEJO
1997/08/31	04:41:08	3.17S	77.95W	5.0	4.1	97.31	168.2°	MACAS
1997/08/31	05:16:34	1.07S	78.30W	5.1	4.0	38.43	113.0°	LATACUNGA
1997/08/31	06:31:55	5.10S	80.05W	28.2	4.9	154.05	217.2°	LOJA
1997/09/01	00:32:01	2.91S	77.99W	12.0	4.0	69.01	166.8°	MACAS
1997/09/01	03:08:40	0.04S	80.92W	19.3	4.0	123.74	334.9°	PORTOVIEJO
1997/09/02	08:06:19	2.68S	78.71W	5.0	4.2	15.33	68.0°	AZOGUES
1997/09/02	10:27:16	2.65S	78.70W	5.0	4.0	18.03	62.0°	AZOGUES
1997/09/03	17:22:18	2.56S	77.22W	27.0	4.1	104.62	105.2°	MACAS
1997/09/03	21:20:21	1.55S	77.80W	194.6	4.2	21.94	109.0°	PUYO
1997/09/03	23:38:00	2.46S	77.17W	25.0	4.2	107.98	99.1°	MACAS
1997/09/04	16:29:04	3.97S	79.79W	51.0	4.4	64.55	273.3°	LOJA
1997/09/05	14:40:04	2.05S	80.58W	5.0	4.2	77.37	281.6°	GUAYAQUIL
1997/09/08	20:45:18	2.86S	78.97W	27.7	4.3	5.73	49.9°	CUENCA
1997/09/08	20:49:43	3.55N	80.12W	52.0	5.1	290.85	350.2°	ESMERALDAS
1997/09/09	16:17:33	0.93N	80.55W	3.3	4.6	98.17	267.4°	ESMERALDAS
1997/09/09	18:55:26	4.68S	76.69W	55.0	5.1	259.28	105.2°	ZAMORA
1997/09/09	19:55:06	2.63S	78.73W	5.0	4.0	16.54	49.6°	AZOGUES
1997/09/11	01:03:28	2.71S	79.42W	12.7	4.4	49.59	294.2°	CUENCA
1997/09/11	02:45:24	3.64S	76.93W	29.0	5.0	199.10	137.8°	MACAS
1997/09/11	05:12:28	1.31S	80.50W	12.0	4.0	29.10	190.4°	PORTOVIEJO
1997/09/12	20:21:25	2.90S	78.08W	5.0	4.2	66.14	175.5°	MACAS
1997/09/13	13:59:27	1.71S	77.75W	232.3	4.3	36.07	133.5°	PUYO

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1997/09/15	18:18:12	3.06S	78.09W	5.0	4.1	83.32	176.8°	MACAS
1997/09/15	23:51:10	2.01S	78.73W	12.1	4.1	39.04	193.4°	RIOBAMBA
1997/09/20	18:47:07	3.18S	78.35W	12.0	4.0	73.46	132.4°	AZOGUES
1997/09/20	20:17:25	1.53S	81.39W	8.8	4.2	117.32	243.0°	PORTOVIEJO
1997/09/21	01:20:29	0.97N	79.67W	3.3	4.1	0.35	219.8°	ESMERALDAS
1997/09/22	00:41:24	2.57S	80.32W	52.0	4.0	63.44	227.8°	GUAYAQUIL
1997/09/22	04:18:21	2.15S	79.78W	22.2	4.0	13.75	72.6°	GUAYAQUIL
1997/09/22	04:34:37	3.80S	77.80W	52.0	4.0	130.58	76.7°	ZAMORA
1997/09/22	09:28:17	2.03S	77.65W	187.7	4.6	61.74	59.9°	MACAS
1997/09/23	00:08:28	1.67S	78.11W	172.0	4.4	23.96	215.0°	PUYO
1997/09/23	04:18:12	3.53S	79.94W	52.0	4.4	29.56	175.5°	MACHALA
1997/09/24	20:15:06	0.95S	79.65W	94.1	4.2	90.03	82.8°	PORTOVIEJO
1997/09/26	00:36:02	1.11S	80.33W	10.0	4.1	15.06	115.1°	PORTOVIEJO
1997/09/29	02:35:21	0.22S	77.78W	2.2	4.1	74.51	150.2°	IBARRA
1997/09/30	02:00:02	4.25S	79.55W	52.0	4.7	46.89	233.2°	LOJA
1997/09/30	04:21:27	1.42S	81.29W	4.9	4.2	101.64	246.2°	PORTOVIEJO
1997/09/30	06:12:24	3.24S	80.05W	50.0	4.1	9.88	281.6°	MACHALA
1997/10/02	11:23:27	2.82S	78.15W	12.0	4.2	56.31	181.9°	MACAS
1997/10/03	09:29:34	1.09S	81.15W	16.0	4.1	78.20	266.7°	PORTOVIEJO
1997/10/03	13:21:05	0.02N	77.32W	21.1	4.1	48.19	259.1°	N_LOJA
1997/10/03	14:47:12	0.58N	78.61W	12.0	4.1	60.84	293.8°	IBARRA
1997/10/05	19:01:00	2.81S	78.04W	7.0	4.2	56.70	170.4°	MACAS
1997/10/05	23:41:30	2.99S	78.14W	12.0	4.4	75.05	180.9°	MACAS
1997/10/07	05:58:08	0.03S	78.43W	10.3	4.2	20.40	22.2°	QUITO
1997/10/07	06:01:40	0.11S	78.33W	3.2	4.2	21.15	61.7°	QUITO
1997/10/07	16:54:05	2.09S	80.07W	8.0	4.1	21.88	299.1°	GUAYAQUIL
1997/10/09	12:14:30	0.59S	78.37W	5.9	4.2	45.91	162.4°	QUITO
1997/10/13	17:15:04	2.67S	77.19W	12.0	4.4	111.84	110.7°	MACAS
1997/10/15	12:12:08	2.10S	79.87W	38.1	4.1	10.78	19.1°	GUAYAQUIL
1997/10/18	15:29:37	3.65S	75.47W	19.4	4.2	330.82	116.8°	MACAS
1997/10/22	00:34:16	3.21S	77.04W	26.0	4.2	157.02	129.8°	MACAS
1997/10/22	16:31:19	0.81S	81.14W	45.0	4.0	80.97	288.9°	PORTOVIEJO
1997/10/23	12:34:12	1.78S	81.41W	45.0	4.1	134.37	232.6°	PORTOVIEJO
1997/10/24	09:00:33	4.40S	79.73W	55.0	4.1	73.04	232.8°	LOJA
1997/10/24	15:33:32	0.13S	80.97W	18.4	4.2	116.88	330.5°	PORTOVIEJO
1997/10/25	00:41:23	0.25N	79.14W	11.0	4.2	87.46	305.2°	QUITO
1997/10/26	02:33:06	3.43S	81.06W	52.0	4.4	123.87	261.1°	MACHALA
1997/10/27	01:09:08	0.77N	78.97W	0.0	4.2	80.90	105.8°	ESMERALDAS
1997/10/28	06:16:27	3.61S	77.35W	79.8	6.5	168.15	149.1°	MACAS
1997/10/28	14:27:04	1.61S	75.62W	52.0	4.1	237.00	143.4°	N_LOJA
1997/10/30	20:01:07	0.23S	78.28W	2.2	4.0	25.05	97.9°	QUITO
1997/10/31	03:10:14	1.65S	77.89W	47.0	4.4	21.38	148.3°	PUYO
1997/10/31	04:18:08	3.02S	78.27W	12.0	4.2	71.42	117.1°	AZOGUES
1997/10/31	04:33:17	3.02S	79.67W	50.9	4.4	42.27	50.1°	MACHALA
1997/11/02	23:11:04	1.82S	77.99W	189.2	4.3	36.22	180.0°	PUYO
1997/11/03	00:20:00	1.62S	78.20W	19.4	4.3	27.42	238.5°	PUYO
1997/11/03	01:40:16	1.85S	80.01W	0.0	4.0	40.06	342.7°	GUAYAQUIL
1997/11/03	19:51:53	1.48S	78.54W	17.0	4.0	24.46	31.4°	RIOBAMBA
1997/11/04	22:09:00	2.22S	79.86W	6.0	4.0	5.33	124.1°	GUAYAQUIL
1997/11/05	10:38:07	2.37S	78.94W	101.9	4.7	41.33	343.8°	AZOGUES
1997/11/05	11:44:26	0.27N	78.08W	16.8	4.7	10.59	163.3°	IBARRA
1997/11/06	19:39:27	2.17S	79.84W	4.3	4.1	6.85	67.3°	GUAYAQUIL
1997/11/07	10:20:08	3.89S	81.11W	55.0	4.6	146.07	241.4°	MACHALA
1997/11/07	14:39:44	4.01S	75.48W	51.2	4.6	349.72	122.7°	MACAS
1997/11/07	15:48:04	0.43N	78.12W	27.5	4.6	8.23	354.8°	IBARRA
1997/11/07	21:14:43	0.09N	80.11W	6.0	4.0	109.26	206.8°	ESMERALDAS

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1997/11/08	06:57:07	0.25N	79.92W	4.7	4.0	84.56	199.3°	ESMERALDAS
1997/11/08	10:11:20	3.27S	80.71W	51.6	4.2	83.22	269.2°	MACHALA
1997/11/08	12:21:36	1.14S	79.53W	15.6	4.2	73.62	359.7°	BABAHOYO
1997/11/08	16:16:11	2.90S	78.23W	8.0	4.4	65.95	189.5°	MACAS
1997/11/08	23:40:11	1.43S	78.05W	177.2	4.1	9.37	315.7°	PUYO
1997/11/08	23:51:28	2.60S	80.00W	12.0	4.2	47.04	193.7°	GUAYAQUIL
1997/11/09	00:02:08	1.32S	78.45W	15.1	4.2	21.80	114.3°	AMBATO
1997/11/10	16:54:17	2.23S	79.73W	4.9	4.0	19.64	104.4°	GUAYAQUIL
1997/11/10	19:30:08	0.03S	78.35W	12.0	4.0	25.04	42.1°	QUITO
1997/11/10	21:07:43	1.85S	77.73W	12.0	4.7	48.90	144.1°	PUYO
1997/11/11	10:15:03	1.58S	81.56W	43.1	4.9	136.47	244.3°	PORTOVIEJO
1997/11/11	13:10:07	3.77S	81.49W	55.0	4.6	179.69	251.5°	MACHALA
1997/11/11	16:55:04	0.07N	79.96W	4.2	4.4	105.28	197.9°	ESMERALDAS
1997/11/12	13:26:10	1.97S	82.39W	50.0	4.4	238.41	244.6°	PORTOVIEJO
1997/11/12	14:55:16	3.02S	79.42W	12.0	4.3	47.49	253.0°	CUENCA
1997/11/12	19:59:05	1.69S	81.81W	45.0	4.4	166.83	244.6°	PORTOVIEJO
1997/11/13	04:43:09	2.28S	80.10W	5.0	4.4	24.24	245.6°	GUAYAQUIL
1997/11/13	05:13:26	1.64S	81.52W	52.0	4.1	135.89	241.0°	PORTOVIEJO
1997/11/13	08:27:28	1.68S	82.04W	52.0	4.0	189.89	248.4°	PORTOVIEJO
1997/11/16	18:35:06	2.15S	77.59W	160.5	4.0	62.78	73.9°	MACAS
1997/11/17	13:31:10	1.30S	80.40W	11.0	4.3	27.90	168.2°	PORTOVIEJO
1997/11/22	21:37:16	4.83S	77.09W	26.0	4.6	222.66	112.3°	ZAMORA
1997/11/23	04:46:32	0.80S	77.75W	28.4	4.1	28.73	16.2°	TENA
1997/11/23	23:23:14	1.47S	77.87W	9.3	4.1	13.09	80.6°	PUYO
1997/11/24	01:04:07	0.27N	78.38W	11.0	4.1	31.50	251.5°	IBARRA
1997/11/24	01:52:14	1.45S	77.85W	194.5	4.1	16.26	74.0°	PUYO
1997/11/24	02:18:23	0.44S	77.63W	12.0	4.1	70.56	17.2°	TENA
1997/11/27	18:33:24	1.02S	78.33W	2.6	4.4	33.70	107.9°	LATACUNGA
1997/11/28	23:28:12	1.04S	78.36W	12.0	4.1	31.77	113.1°	LATACUNGA
1997/11/29	00:22:38	1.02S	78.34W	1.6	4.2	33.03	108.0°	LATACUNGA
1997/11/29	07:52:50	1.04S	78.34W	8.4	4.0	33.04	111.4°	LATACUNGA
1997/11/29	15:52:05	2.98S	77.85W	9.0	4.4	80.80	157.7°	MACAS
1997/12/03	03:53:00	0.30S	77.87W	0.0	4.0	70.47	99.5°	QUITO
1997/12/03	06:24:14	1.97S	79.89W	12.0	4.1	24.92	3.5°	GUAYAQUIL
1997/12/06	17:47:07	2.31S	77.74W	162.6	4.1	43.18	89.9°	MACAS
1997/12/07	03:48:30	2.86S	77.73W	17.3	4.2	75.80	143.9°	MACAS
1997/12/08	00:35:46	0.09N	78.44W	10.8	4.1	32.54	11.4°	QUITO
1997/12/08	08:20:39	0.19N	79.77W	1.2	4.5	87.28	187.7°	ESMERALDAS
1997/12/08	10:01:15	2.80S	77.28W	52.0	4.5	109.27	119.9°	MACAS
1997/12/09	06:20:20	2.71S	77.55W	25.4	4.1	78.46	125.0°	MACAS
1997/12/10	20:13:37	4.27N	76.39W	55.0	4.9	412.34	21.0°	TULCAN
1997/12/11	04:22:08	4.44S	78.40W	55.0	4.2	72.71	124.8°	ZAMORA
1997/12/11	07:02:43	4.55S	78.36W	55.0	4.3	83.46	129.6°	ZAMORA
1997/12/11	07:57:23	3.39N	76.57W	246.5	6.0	313.37	24.0°	TULCAN
1997/12/11	09:11:17	0.93N	79.69W	12.0	4.0	4.67	202.5°	ESMERALDAS
1997/12/11	14:40:23	1.03S	78.34W	14.1	4.0	33.17	110.2°	LATACUNGA
1997/12/11	15:25:07	1.04S	78.33W	11.6	4.0	34.61	110.3°	LATACUNGA
1997/12/14	20:02:20	2.37S	79.75W	33.2	4.5	25.96	139.2°	GUAYAQUIL
1997/12/15	12:44:05	1.07S	78.81W	19.1	4.1	26.18	232.3°	LATACUNGA
1997/12/15	17:27:59	3.05S	83.28W	15.7	4.1	369.50	273.6°	MACHALA
1997/12/17	03:58:06	0.90S	80.66W	12.0	4.1	28.09	305.6°	PORTOVIEJO
1997/12/17	05:36:31	2.05S	79.84W	6.3	4.0	16.55	23.7°	GUAYAQUIL
1997/12/17	11:36:10	4.94S	79.04W	129.3	5.4	97.63	186.5°	ZAMORA
1997/12/18	02:49:00	3.92S	78.23W	49.0	4.7	80.14	78.0°	ZAMORA
1997/12/18	07:57:25	0.35N	77.46W	8.9	4.7	59.10	150.8°	TULCAN
1997/12/19	05:37:38	1.05S	79.38W	4.0	4.2	72.94	324.5°	GUARANDA

**GANADOR DEL PREMIO MUNDIAL SASAKAWA-UNDRO 1992**  
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**ESCUELA POLITECNICA NACIONAL  
INSTITUTO GEOFISICO**

Campus Ing. José Rubén Orellana

Apartado 2759 Telf: 2225-655; 2225627  
Quito - Ecuador Fax: (593)-2-2567847 - www.igepn.edu.ec

1997/12/19	21:42:24	1.11S	81.25W	4.3	4.7	89.64	265.6°	PORTOVIEJO
1997/12/19	23:08:22	1.31S	81.77W	52.0	4.2	149.45	259.0°	PORTOVIEJO
1997/12/21	00:55:25	2.59S	79.32W	12.0	4.1	48.52	314.1°	CUENCA
1997/12/22	04:13:08	1.11S	81.25W	21.4	4.1	89.11	265.6°	PORTOVIEJO
1997/12/23	00:57:01	1.04S	81.59W	12.0	4.6	126.73	270.3°	PORTOVIEJO
1997/12/25	14:16:55	1.07S	78.34W	10.6	4.7	34.67	116.9°	LATACUNGA
1997/12/25	19:54:02	2.92N	79.08W	12.0	4.3	226.66	16.7°	ESMERALDAS
1997/12/25	23:11:32	1.08S	78.31W	2.0	4.7	38.94	116.2°	LATACUNGA
1997/12/26	09:02:02	1.81S	78.14W	10.0	4.6	39.43	205.2°	PUYO
1997/12/30	19:58:23	0.08N	79.95W	4.1	4.1	103.47	197.4°	ESMERALDAS
1997/12/31	01:43:38	5.32S	78.98W	30.0	4.8	139.07	181.8°	ZAMORA
1997/12/31	12:42:03	2.13S	78.96W	12.0	4.0	61.13	176.3°	GUARANDA

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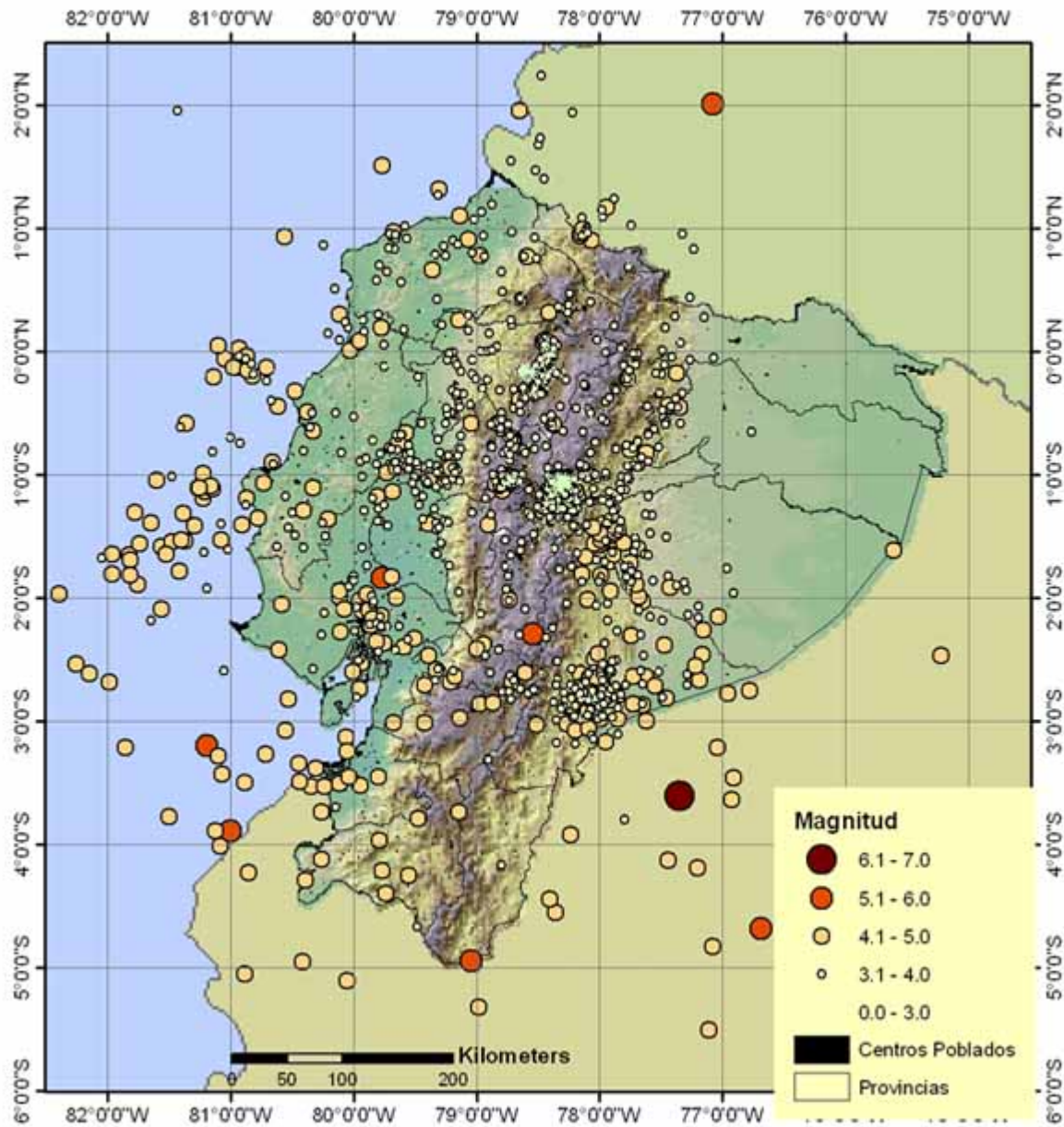


# ESCUELA POLITECNICA NACIONAL INSTITUTO GEOFISICO

Campus Ing. José Rubén Orellana

Apartado 2759 Telf: 2225-655; 2225627  
Quito - Ecuador Fax: (593)-2-2567847 - www.igepn.edu.ec

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