



**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 1998

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.	Mag.	DIST.	AZIMUT	CIUDAD
----	-----	----	----	km	---	km	grados	referencial
1998/01/01	21:15:27	0.48N	79.31W	16.3	4.0	68.07	143.4°	ESMERALDAS
1998/01/01	21:46:03	1.78S	78.14W	12.0	4.6	36.85	207.4°	PUYO
1998/01/15	22:03:14	2.65S	78.13W	12.0	4.3	38.29	180.8°	MACAS
1998/01/16	06:37:01	2.47N	78.01W	8.9	4.2	187.74	350.2°	TULCAN
1998/01/02	03:06:27	2.84S	80.04W	52.0	4.0	48.12	348.8°	MACHALA
1998/01/02	03:59:30	3.63S	80.42W	51.1	4.4	66.15	231.0°	MACHALA
1998/01/03	00:16:05	2.24S	79.90W	4.0	4.5	5.45	174.3°	GUAYAQUIL
1998/01/03	07:45:14	1.12S	79.76W	22.7	4.0	76.57	96.1°	PORTOVIEJO
1998/01/03	17:47:37	1.30S	81.66W	52.0	4.4	136.72	258.5°	PORTOVIEJO
1998/01/03	18:01:49	0.05N	78.57W	17.2	4.4	28.46	343.9°	QUITO
1998/01/07	09:04:18	2.50S	78.04W	12.0	4.4	23.73	154.3°	MACAS
1998/01/07	20:56:12	3.54S	80.90W	26.0	4.7	109.46	253.5°	MACHALA
1998/01/08	05:22:27	0.63N	80.14W	5.0	4.1	64.41	234.2°	ESMERALDAS
1998/01/22	10:59:08	0.95S	79.24W	122.2	4.3	68.63	267.8°	LATACUNGA
1998/01/17	03:17:29	1.85S	80.01W	14.6	4.7	40.00	341.4°	GUAYAQUIL
1998/01/09	14:11:00	3.93S	80.97W	26.0	4.1	134.59	236.7°	MACHALA
1998/01/12	20:32:00	4.31S	80.63W	52.0	4.0	138.60	212.3°	MACHALA
1998/01/28	22:23:26	1.82S	80.18W	10.0	4.1	51.79	323.1°	GUAYAQUIL
1998/01/30	10:46:24	2.33S	79.01W	5.0	4.0	48.40	336.9°	AZOGUES
1998/01/27	07:52:20	2.46S	78.04W	195.2	4.0	19.52	150.5°	MACAS
1998/01/31	09:43:27	2.74S	77.95W	6.0	4.0	51.64	156.7°	MACAS
1998/01/17	01:48:26	2.54S	80.07W	12.0	4.3	43.76	205.9°	GUAYAQUIL
1998/01/18	23:48:15	2.76S	78.18W	12.0	4.0	50.28	186.1°	MACAS
1998/01/19	23:49:00	2.10S	80.00W	14.0	4.2	15.06	309.3°	GUAYAQUIL
1998/01/20	00:01:15	2.73S	77.99W	12.0	4.1	49.21	162.0°	MACAS
1998/01/20	23:24:18	1.74S	77.73W	14.0	4.1	40.00	134.5°	PUYO
1998/01/23	06:20:78	6.96S	76.62W	20.0	4.3	412.01	141.2°	ZAMORA
1998/01/23	07:35:04	2.20N	80.09W	52.0	4.0	144.75	341.2°	ESMERALDAS
1998/01/24	00:37:13	0.75S	81.59W	52.0	4.2	130.82	284.7°	PORTOVIEJO
1998/01/24	00:45:38	2.55N	80.17W	55.0	4.1	184.41	342.6°	ESMERALDAS
1998/01/24	08:03:08	2.77S	78.07W	12.0	4.0	51.95	172.5°	MACAS
1998/01/24	08:38:17	2.74N	79.46W	34.0	4.2	197.81	6.7°	ESMERALDAS
1998/01/24	23:01:23	1.77S	81.26W	40.0	4.1	120.12	228.4°	PORTOVIEJO
1998/01/24	23:06:35	1.97S	77.80W	159.8	4.0	53.16	44.1°	MACAS
1998/01/25	16:27:00	1.59S	81.85W	55.0	4.3	166.52	248.8°	PORTOVIEJO
1998/01/25	18:49:00	1.45S	81.57W	12.1	4.2	132.04	250.4°	PORTOVIEJO
1998/01/25	18:52:04	1.28S	81.28W	52.0	4.1	96.26	254.5°	PORTOVIEJO
1998/02/03	04:16:11	1.55S	81.31W	35.0	4.3	110.65	239.8°	PORTOVIEJO
1998/02/03	04:48:22	1.37S	81.59W	35.0	4.3	131.78	254.3°	PORTOVIEJO
1998/02/03	16:39:50	0.19S	78.35W	12.4	4.1	17.01	85.6°	QUITO
1998/02/11	07:37:08	1.28N	79.41W	5.0	4.3	45.06	39.8°	ESMERALDAS
1998/02/12	07:53:07	1.57S	81.40W	51.2	4.1	120.55	241.5°	PORTOVIEJO
1998/02/12	23:04:09	2.65S	79.24W	17.9	4.0	37.24	315.7°	CUENCA
1998/02/13	05:50:06	4.06S	77.62W	12.0	4.2	146.76	89.5°	ZAMORA

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1998/02/14	11:37:18	1.63S	77.22W	16.0	4.1	87.01	100.4°	PUYO
1998/02/14	13:08:39	0.09S	77.71W	12.0	4.1	67.31	138.1°	IBARRA
1998/02/15	20:57:08	2.87S	78.04W	5.0	4.1	62.67	171.0°	MACAS
1998/02/18	12:32:17	2.73S	77.96W	4.0	4.1	49.82	158.1°	MACAS
1998/02/18	12:37:00	0.03S	78.86W	116.7	4.1	43.97	296.0°	QUITO
1998/02/19	02:57:19	3.78S	80.93W	51.6	4.3	122.50	241.8°	MACHALA
1998/02/20	03:27:19	3.85S	81.24W	55.0	4.4	156.26	245.2°	MACHALA
1998/02/24	14:13:04	2.75S	77.91W	5.0	4.0	54.35	153.7°	MACAS
1998/02/24	15:42:48	1.60S	78.54W	0.7	4.0	14.50	59.0°	RIOBAMBA
1998/02/24	16:19:22	1.62S	78.52W	10.2	4.0	15.01	70.5°	RIOBAMBA
1998/02/24	21:37:38	1.44S	78.50W	5.4	4.0	26.69	147.3°	AMBATO
1998/02/24	23:03:02	0.39S	77.51W	3.7	4.0	81.03	24.7°	TENA
1998/02/28	03:28:09	2.40S	78.48W	81.1	4.4	40.37	256.0°	MACAS
1998/02/05	23:44:11	0.70N	79.67W	12.0	4.0	29.72	179.3°	ESMERALDAS
1998/02/06	23:53:25	3.39N	78.53W	45.0	4.1	297.57	25.2°	ESMERALDAS
1998/02/08	01:18:28	5.90S	78.34W	55.0	4.0	213.81	161.9°	ZAMORA
1998/02/10	20:18:22	5.74S	75.10W	45.0	5.2	464.76	113.5°	ZAMORA
1998/03/03	13:16:39	2.37S	78.01W	5.0	4.8	14.69	117.6°	MACAS
1998/03/03	17:24:31	3.75S	77.32W	9.2	4.6	183.16	79.0°	ZAMORA
1998/03/01	11:07:15	4.13S	81.71W	55.0	5.0	216.59	243.6°	MACHALA
1998/03/02	02:35:14	4.86S	81.91W	12.0	5.3	280.70	230.7°	MACHALA
1998/03/02	19:26:16	1.03S	78.28W	8.0	4.0	39.00	106.7°	LATACUNGA
1998/03/03	14:45:24	2.73S	80.01W	12.0	4.3	59.36	354.5°	MACHALA
1998/03/12	10:41:38	0.98N	78.52W	30.9	4.2	81.90	326.6°	IBARRA
1998/03/16	07:30:34	2.73S	77.96W	5.0	4.1	50.79	158.3°	MACAS
1998/03/17	03:31:29	2.21S	81.26W	55.0	4.3	151.64	269.0°	GUAYAQUIL
1998/03/17	10:04:32	4.12S	76.79W	51.1	4.7	239.16	91.4°	ZAMORA
1998/03/18	04:25:26	2.10S	81.74W	52.0	4.0	184.36	230.8°	PORTOVIEJO
1998/03/18	11:32:08	1.79S	77.99W	197.1	4.0	33.20	179.2°	PUYO
1998/03/18	17:12:00	4.10S	80.09W	11.9	4.3	94.24	189.1°	MACHALA
1998/03/19	23:18:01	1.12S	78.37W	6.6	4.0	32.24	65.0°	AMBATO
1998/03/21	02:19:10	4.48S	81.06W	31.7	5.5	182.60	222.0°	MACHALA
1998/03/20	05:53:13	0.78N	79.17W	3.3	4.0	59.14	111.0°	ESMERALDAS
1998/03/25	20:26:18	1.28S	79.81W	12.0	4.1	65.23	331.5°	BABAHOYO
1998/03/26	09:56:13	2.77S	78.09W	5.0	4.0	50.88	174.6°	MACAS
1998/03/20	07:25:21	3.30N	79.22W	52.0	4.0	263.46	10.9°	ESMERALDAS
1998/03/26	16:13:13	2.98S	79.20W	20.1	4.6	23.45	244.0°	CUENCA
1998/03/26	18:03:10	2.68S	78.13W	5.0	4.0	41.22	179.9°	MACAS
1998/03/29	14:05:06	1.01S	78.79W	18.0	4.0	20.62	244.4°	LATACUNGA
1998/03/31	02:39:05	2.99S	76.95W	58.0	4.4	150.83	119.9°	MACAS
1998/03/23	10:32:47	1.14S	78.39W	13.6	4.1	29.14	66.8°	AMBATO
1998/03/04	02:48:08	0.32N	80.07W	12.0	4.0	84.56	211.6°	ESMERALDAS
1998/03/06	06:00:10	1.02S	78.30W	11.6	4.0	36.89	105.7°	LATACUNGA
1998/03/06	23:52:14	0.49S	80.12W	12.0	4.0	71.75	30.2°	PORTOVIEJO
1998/03/08	08:06:46	1.20N	78.68W	15.1	4.5	112.84	326.0°	IBARRA
1998/03/08	22:52:23	2.99S	80.87W	55.0	4.3	105.37	286.5°	MACHALA
1998/03/10	08:44:40	6.52S	76.45W	60.3	5.3	388.20	134.5°	ZAMORA
1998/03/12	01:25:14	2.32S	79.85W	12.0	4.1	15.58	158.5°	GUAYAQUIL
1998/03/13	06:27:03	2.60S	77.63W	36.7	4.2	64.67	119.8°	MACAS
1998/03/14	12:41:46	1.01S	78.35W	9.3	4.1	31.84	107.3°	LATACUNGA
1998/03/15	05:26:45	1.14S	78.72W	12.0	4.1	14.64	317.2°	AMBATO
1998/04/05	07:45:23	1.13S	81.63W	55.0	4.4	131.01	265.9°	PORTOVIEJO
1998/04/05	07:55:02	1.25S	81.53W	24.1	4.5	121.50	259.7°	PORTOVIEJO
1998/04/05	08:15:38	1.27S	81.74W	55.0	4.3	145.17	260.2°	PORTOVIEJO
1998/04/05	20:34:36	1.10S	81.49W	50.0	4.4	115.64	267.3°	PORTOVIEJO
1998/04/05	21:00:07	0.98S	79.38W	103.8	4.4	78.97	328.0°	GUARANDA

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1998/04/03	22:03:60	7.33S	74.72W	51.3	6.3	592.45	127.7°	ZAMORA
1998/04/12	01:33:06	2.86S	78.02W	6.0	4.5	61.95	169.1°	MACAS
1998/04/12	23:43:32	0.82S	79.42W	13.2	4.2	90.26	278.0°	LATACUNGA
1998/04/13	09:42:13	2.69S	77.93W	11.9	4.5	47.82	152.0°	MACAS
1998/04/01	10:11:04	2.70S	78.12W	1.6	4.1	43.68	178.6°	MACAS
1998/04/02	12:57:12	1.13S	77.97W	10.6	4.1	18.61	242.4°	TENA
1998/04/03	04:29:12	1.06S	78.31W	5.0	4.1	36.90	113.2°	LATACUNGA
1998/04/03	08:58:50	0.30S	78.65W	11.7	4.0	20.23	237.6°	QUITO
1998/04/04	07:10:35	1.06S	78.35W	9.1	4.1	33.19	114.8°	LATACUNGA
1998/04/04	08:45:16	1.06S	79.62W	96.1	4.1	83.24	352.9°	BABAHOYO
1998/04/05	13:24:21	0.76S	79.71W	28.8	4.2	88.40	68.3°	PORTOVIEJO
1998/04/06	08:30:03	4.66S	76.76W	55.0	4.5	251.02	105.2°	ZAMORA
1998/04/07	09:06:13	2.53S	77.05W	118.9	4.5	122.57	101.5°	MACAS
1998/04/07	17:07:00	4.80S	78.79W	52.0	4.5	83.12	168.3°	ZAMORA
1998/04/21	09:08:16	1.10S	81.63W	55.0	4.7	131.29	267.4°	PORTOVIEJO
1998/04/09	17:35:18	2.10S	80.56W	52.0	4.0	74.20	277.7°	GUAYAQUIL
1998/04/10	14:50:35	0.90N	78.11W	5.0	4.4	44.17	283.0°	TULCAN
1998/04/10	16:31:13	0.89N	78.11W	5.0	4.0	44.05	281.4°	TULCAN
1998/04/24	20:18:17	1.03S	79.26W	10.3	4.3	67.27	334.3°	GUARANDA
1998/04/11	17:38:15	0.91N	78.12W	8.0	4.3	45.30	283.9°	TULCAN
1998/04/11	21:24:24	3.04S	78.00W	12.0	4.2	82.72	169.7°	MACAS
1998/04/28	01:00:02	1.88S	78.31W	208.1	4.1	44.17	121.6°	RIOBAMBA
1998/04/28	03:16:02	0.98S	79.30W	128.8	4.3	74.72	333.8°	GUARANDA
1998/04/26	13:10:17	3.06S	78.13W	16.0	4.0	83.08	179.9°	MACAS
1998/04/25	09:16:14	2.09S	79.79W	19.0	4.0	16.38	49.6°	GUAYAQUIL
1998/04/25	19:10:52	0.03S	78.49W	3.8	4.0	19.34	2.2°	QUITO
1998/04/23	07:08:00	1.51N	77.72W	20.0	4.0	77.50	0.2°	TULCAN
1998/04/23	22:50:08	2.83S	77.97W	5.0	4.1	60.53	163.3°	MACAS
1998/04/22	20:51:14	3.99S	79.95W	50.3	4.3	80.94	178.9°	MACHALA
1998/04/21	09:05:22	2.43S	79.62W	19.2	4.0	40.34	130.6°	GUAYAQUIL
1998/04/28	13:08:10	2.78S	79.16W	13.9	4.0	21.14	307.1°	CUENCA
1998/04/28	22:08:35	0.80S	78.75W	18.7	4.3	20.74	314.1°	LATACUNGA
1998/04/29	02:48:28	2.78S	78.06W	12.0	4.1	52.55	171.8°	MACAS
1998/04/29	20:00:11	2.89S	78.15W	12.0	4.3	64.58	182.3°	MACAS
1998/04/14	08:23:27	0.21N	80.22W	12.0	4.0	103.93	215.8°	ESMERALDAS
1998/04/15	07:25:09	0.67S	79.71W	33.1	4.0	92.25	63.0°	PORTOVIEJO
1998/04/16	14:20:11	1.21S	81.91W	8.0	4.3	163.06	263.8°	PORTOVIEJO
1998/04/19	20:11:03	1.17S	80.45W	12.0	4.0	13.58	179.2°	PORTOVIEJO
1998/05/01	20:11:15	2.99S	78.10W	10.0	4.1	76.02	177.4°	MACAS
1998/05/08	01:19:00	1.19S	77.80W	11.9	4.3	15.66	172.3°	TENA
1998/05/08	06:50:39	1.03S	79.66W	30.3	4.0	86.49	350.3°	BABAHOYO
1998/05/02	19:49:02	1.91N	79.77W	55.0	4.3	105.43	354.1°	ESMERALDAS
1998/05/03	02:03:41	4.22S	79.24W	12.0	4.3	24.59	188.0°	LOJA
1998/05/03	10:34:12	3.48N	79.45W	52.6	4.0	279.38	5.0°	ESMERALDAS
1998/05/03	16:34:07	1.10S	78.79W	11.0	4.2	23.74	310.5°	AMBATO
1998/05/06	02:52:15	3.28S	79.27W	12.0	4.0	51.60	213.4°	CUENCA
1998/05/07	04:07:03	4.41S	80.85W	55.0	4.7	161.39	217.6°	MACHALA
1998/05/10	08:53:28	1.71S	80.97W	52.0	4.3	93.00	218.3°	PORTOVIEJO
1998/05/14	19:04:27	3.80N	79.12W	52.0	4.6	320.08	10.9°	ESMERALDAS
1998/05/13	02:33:36	2.22S	77.49W	5.0	4.1	71.35	81.6°	MACAS
1998/05/23	10:25:07	0.96S	81.26W	18.0	4.4	90.03	276.1°	PORTOVIEJO
1998/05/23	12:16:04	0.11S	79.25W	89.9	4.0	83.84	276.6°	QUITO
1998/05/24	03:30:21	1.06S	81.29W	7.0	4.3	92.81	269.3°	PORTOVIEJO
1998/05/24	22:48:02	1.10S	81.63W	7.0	4.6	131.26	267.8°	PORTOVIEJO
1998/05/25	11:32:07	0.86S	81.40W	7.8	4.4	107.70	281.4°	PORTOVIEJO
1998/05/25	22:11:35	1.26S	81.04W	12.0	4.1	69.37	250.5°	PORTOVIEJO

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1998/05/25	22:46:17	0.87S	81.57W	8.0	4.2	126.17	278.9°	PORTOVIEJO
1998/05/25	14:14:22	1.02S	81.34W	51.8	4.2	98.69	272.2°	PORTOVIEJO
1998/05/26	05:15:11	0.85S	81.06W	5.0	4.2	71.42	288.2°	PORTOVIEJO
1998/05/26	13:04:12	1.10S	81.66W	12.0	4.1	134.45	267.5°	PORTOVIEJO
1998/05/26	16:20:01	1.24S	81.62W	40.0	4.2	131.69	260.8°	PORTOVIEJO
1998/05/26	22:28:09	2.57S	80.03W	12.0	4.4	44.89	198.6°	GUAYAQUIL
1998/05/26	23:30:04	0.94S	81.30W	9.7	4.9	95.43	277.1°	PORTOVIEJO
1998/05/27	07:12:42	1.37S	81.42W	2.0	4.0	113.36	251.7°	PORTOVIEJO
1998/05/28	20:01:14	0.76N	80.28W	19.6	4.0	71.73	251.0°	ESMERALDAS
1998/05/28	20:43:33	1.02S	81.34W	6.8	4.4	99.44	272.0°	PORTOVIEJO
1998/05/28	21:27:00	1.07S	81.33W	5.4	4.3	97.81	268.4°	PORTOVIEJO
1998/05/29	03:52:32	3.58S	79.08W	116.6	5.3	48.78	17.1°	LOJA
1998/05/29	15:56:18	0.95S	81.12W	20.0	4.2	75.40	278.1°	PORTOVIEJO
1998/05/29	20:08:09	2.00S	77.68W	196.2	4.0	61.23	55.4°	MACAS
1998/05/29	22:41:27	1.92S	79.94W	7.9	4.0	30.38	350.7°	GUAYAQUIL
1998/05/30	22:36:21	3.30S	80.39W	52.0	4.2	48.50	265.0°	MACHALA
1998/05/30	23:43:06	0.98S	81.59W	5.0	4.3	127.44	273.7°	PORTOVIEJO
1998/05/31	00:39:25	0.88S	80.88W	25.9	4.7	50.83	291.5°	PORTOVIEJO
1998/05/21	02:27:02	2.25S	79.11W	7.0	4.7	61.27	330.7°	AZOGUES
1998/05/21	07:03:24	2.55S	79.69W	14.7	4.7	46.04	150.0°	GUAYAQUIL
1998/05/21	09:23:12	2.80S	78.21W	8.0	4.1	55.27	189.4°	MACAS
1998/05/21	18:12:36	1.19S	78.30W	12.0	4.4	37.01	81.7°	AMBATO
1998/05/21	23:30:16	0.99S	81.63W	16.0	4.4	130.80	272.8°	PORTOVIEJO
1998/05/13	06:17:00	2.92S	81.09W	52.0	4.2	131.54	286.9°	MACHALA
1998/05/15	19:03:23	2.11S	79.89W	12.0	4.2	8.78	10.1°	GUAYAQUIL
1998/05/16	08:55:39	3.82S	79.78W	52.0	4.4	65.64	162.3°	MACHALA
1998/05/20	00:48:03	2.27S	78.44W	97.9	4.0	34.54	277.0°	MACAS
1998/05/20	10:34:02	1.12N	79.77W	8.0	4.1	20.36	326.7°	ESMERALDAS
1998/05/22	23:58:03	2.86S	78.02W	12.0	4.0	62.31	168.5°	MACAS
1998/05/23	02:17:55	0.17S	78.73W	18.7	4.0	25.61	277.2°	QUITO
1998/05/23	03:01:34	0.07N	77.32W	15.3	4.0	47.64	265.6°	N_LOJA
1998/05/23	05:35:21	1.03S	78.37W	12.0	4.0	29.66	110.9°	LÁTACUNGA
1998/05/25	03:40:05	2.98S	77.69W	12.0	4.3	88.95	146.6°	MACAS
1998/05/25	23:26:27	1.07S	78.32W	12.0	4.0	36.68	114.5°	LATACUNGA
1998/05/26	04:19:14	1.06S	78.34W	6.7	4.1	34.03	115.7°	LATACUNGA
1998/06/08	19:47:30	2.62S	78.09W	4.6	4.1	35.00	173.2°	MACAS
1998/06/09	07:33:15	0.77S	81.38W	9.7	4.1	108.32	286.7°	PORTOVIEJO
1998/06/09	09:31:10	2.16S	78.03W	15.2	4.1	19.50	33.9°	MACAS
1998/06/09	09:37:16	0.17S	78.61W	1.1	4.1	12.77	287.0°	QUITO
1998/06/10	00:23:43	0.61S	81.11W	17.3	4.3	88.40	304.0°	PORTOVIEJO
1998/06/10	03:20:01	0.22S	78.61W	9.7	4.3	13.01	258.0°	QUITO
1998/06/10	06:24:09	1.68S	81.29W	12.0	4.3	116.13	233.1°	PORTOVIEJO
1998/06/13	07:50:10	1.63S	81.32W	14.5	4.4	115.91	236.3°	PORTOVIEJO
1998/06/14	11:27:21	1.90S	81.90W	25.0	4.3	187.03	239.8°	PORTOVIEJO
1998/06/14	21:56:43	1.53S	81.30W	12.0	4.0	108.70	240.9°	PORTOVIEJO
1998/06/29	07:33:07	1.60S	81.58W	10.0	4.7	139.39	244.0°	PORTOVIEJO
1998/06/29	08:15:38	1.55S	81.45W	16.0	4.0	124.22	243.4°	PORTOVIEJO
1998/06/29	07:41:00	1.73S	81.40W	10.0	4.2	129.77	234.5°	PORTOVIEJO
1998/06/29	08:43:39	1.41S	80.37W	12.0	4.2	41.03	167.1°	PORTOVIEJO
1998/06/29	07:39:10	1.69S	81.22W	12.0	4.0	111.54	230.3°	PORTOVIEJO
1998/06/29	09:21:04	0.24S	80.90W	44.0	4.0	102.54	330.9°	PORTOVIEJO
1998/06/29	10:23:06	1.55S	81.39W	7.4	4.6	118.58	242.1°	PORTOVIEJO
1998/06/01	11:33:32	1.11N	79.70W	6.1	4.0	15.57	348.1°	ESMERALDAS
1998/06/01	16:44:26	3.59N	80.14W	22.7	4.0	295.49	349.9°	ESMERALDAS
1998/06/12	06:37:22	5.92S	79.52W	52.1	4.9	214.92	197.4°	ZAMORA
1998/06/12	06:53:03	1.03S	78.21W	14.0	4.4	43.32	273.5°	TENA

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1998/06/13	05:40:24	1.86S	81.63W	55.0	4.2	159.60	235.5°	PORTOVIEJO
1998/06/13	06:58:09	1.71S	81.23W	20.0	4.1	113.62	229.8°	PORTOVIEJO
1998/06/17	11:49:10	1.54S	81.28W	25.0	4.0	106.88	239.2°	PORTOVIEJO
1998/06/18	02:35:35	0.73S	81.63W	12.0	4.5	136.29	285.3°	PORTOVIEJO
1998/06/18	08:33:05	2.98S	77.80W	12.0	4.1	82.98	154.1°	MACAS
1998/06/19	07:12:19	1.81S	81.94W	12.0	4.5	185.57	242.9°	PORTOVIEJO
1998/06/19	14:44:18	0.16S	80.01W	30.7	4.1	109.89	26.5°	PORTOVIEJO
1998/06/20	09:28:35	1.62S	81.49W	10.5	4.5	132.22	241.3°	PORTOVIEJO
1998/06/20	11:49:26	1.69S	81.75W	14.0	4.6	161.42	243.7°	PORTOVIEJO
1998/06/20	11:55:13	1.53S	81.40W	20.0	4.2	118.24	243.3°	PORTOVIEJO
1998/06/20	22:54:26	2.77S	78.02W	12.0	4.0	52.57	166.5°	MACAS
1998/06/21	02:12:10	0.93N	79.40W	20.0	4.0	30.73	97.7°	ESMERALDAS
1998/06/21	13:26:30	1.11S	78.32W	12.0	4.0	37.46	67.1°	AMBATO
1998/06/21	21:00:28	1.75S	77.22W	35.0	4.0	90.05	108.4°	PUYO
1998/06/22	03:40:47	1.17S	78.27W	12.0	4.0	41.30	79.0°	AMBATO
1998/06/22	06:53:15	1.60S	81.31W	25.0	4.0	113.63	237.7°	PORTOVIEJO
1998/06/22	13:56:16	1.61S	81.33W	25.0	4.2	115.90	237.8°	PORTOVIEJO
1998/06/26	14:36:40	1.04N	79.63W	6.0	4.1	9.32	28.4°	ESMERALDAS
1998/06/26	17:41:07	1.45S	81.43W	20.0	4.0	117.72	248.0°	PORTOVIEJO
1998/06/27	01:49:10	1.61S	81.39W	20.0	4.1	121.66	239.2°	PORTOVIEJO
1998/06/27	03:27:33	1.86S	81.87W	12.0	4.5	181.86	240.2°	PORTOVIEJO
1998/06/27	03:44:16	1.77S	81.49W	20.0	4.2	140.48	235.1°	PORTOVIEJO
1998/06/27	04:16:29	1.54S	81.67W	20.0	4.6	145.87	248.0°	PORTOVIEJO
1998/06/27	20:32:08	1.48S	81.26W	20.0	4.2	101.97	242.1°	PORTOVIEJO
1998/06/27	22:58:02	1.38S	81.37W	20.0	4.1	108.39	250.1°	PORTOVIEJO
1998/06/27	23:55:07	1.51S	81.37W	20.0	4.1	113.88	243.3°	PORTOVIEJO
1998/06/28	01:39:23	1.85S	81.88W	14.0	4.5	181.56	240.8°	PORTOVIEJO
1998/06/28	08:37:32	0.14S	78.59W	0.0	4.5	11.92	301.4°	QUITO
1998/06/28	09:40:01	1.67S	81.80W	16.0	4.6	165.21	245.4°	PORTOVIEJO
1998/06/28	10:28:29	3.37S	80.37W	70.0	4.1	47.24	255.1°	MACHALA
1998/06/28	13:07:13	1.19S	78.43W	8.3	4.1	22.58	75.9°	AMBATO
1998/06/29	00:17:07	2.04S	81.81W	16.0	4.3	186.52	234.0°	PORTOVIEJO
1998/06/29	04:14:14	1.76S	81.46W	20.0	4.4	137.46	234.8°	PORTOVIEJO
1998/06/29	11:04:02	2.73S	77.96W	12.0	4.0	50.89	157.8°	MACAS
1998/06/29	21:12:00	1.42S	81.27W	5.1	4.3	99.64	245.9°	PORTOVIEJO
1998/06/29	21:39:19	0.64N	80.57W	62.8	4.0	106.73	249.9°	ESMERALDAS
1998/06/30	02:08:00	1.85S	81.48W	20.0	4.1	144.81	232.0°	PORTOVIEJO
1998/06/30	02:23:10	2.86S	78.03W	12.0	4.2	61.90	170.1°	MACAS
1998/06/30	07:23:04	1.94S	81.74W	16.0	4.4	174.64	235.4°	PORTOVIEJO
1998/06/30	09:17:27	1.71S	81.47W	16.0	4.3	134.62	237.2°	PORTOVIEJO
1998/06/30	22:05:17	1.56S	81.51W	20.0	4.4	130.88	244.6°	PORTOVIEJO
1998/06/11	08:42:01	2.46S	77.98W	130.7	4.1	23.19	134.6°	MACAS
1998/06/04	18:51:13	2.12S	80.57W	20.0	4.1	74.46	276.2°	GUAYAQUIL
1998/06/05	09:31:16	1.20S	78.44W	13.7	4.0	22.13	77.2°	AMBATO
1998/06/30	06:23:35	0.74N	80.27W	24.8	4.3	71.41	248.6°	ESMERALDAS
1998/07/01	14:57:14	0.98S	81.00W	21.9	4.7	62.09	276.9°	PORTOVIEJO
1998/07/01	14:53:40	1.20S	81.30W	10.0	4.2	96.36	260.2°	PORTOVIEJO
1998/07/01	01:16:22	1.68S	81.49W	3.5	4.3	135.32	238.7°	PORTOVIEJO
1998/07/03	16:42:15	4.12S	80.55W	65.0	5.0	116.04	214.5°	MACHALA
1998/07/06	09:00:20	1.58S	81.53W	4.1	4.9	133.84	243.9°	PORTOVIEJO
1998/07/06	09:31:19	1.53S	81.41W	5.7	5.0	119.77	243.4°	PORTOVIEJO
1998/07/06	10:34:00	1.11S	81.32W	5.3	4.5	96.45	266.3°	PORTOVIEJO
1998/07/09	09:55:05	0.98S	81.37W	8.9	4.7	102.11	274.1°	PORTOVIEJO
1998/07/08	07:56:29	0.16S	78.49W	11.3	4.1	4.91	10.6°	QUITO
1998/07/14	19:55:05	1.05S	81.29W	20.9	4.2	93.14	269.9°	PORTOVIEJO
1998/07/13	23:29:21	1.56S	81.55W	7.4	4.2	134.47	244.9°	PORTOVIEJO

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1998/07/14	11:48:07	2.23S	79.38W	82.2	4.4	50.97	160.4°	BABAHOYO
1998/07/15	01:22:42	1.00S	81.47W	5.0	4.2	113.20	272.9°	PORTOVIEJO
1998/07/15	04:35:22	2.90S	77.88W	10.0	4.1	71.21	156.8°	MACAS
1998/07/15	08:18:28	1.76S	77.92W	184.6	4.0	30.72	165.8°	PUYO
1998/07/16	07:48:06	2.73S	77.91W	5.0	4.0	52.58	152.6°	MACAS
1998/07/16	09:07:02	0.67S	79.94W	12.3	4.0	70.91	53.1°	PORTOVIEJO
1998/07/12	08:02:32	3.35S	80.05W	12.5	4.6	14.47	225.2°	MACHALA
1998/07/17	13:53:12	1.65S	80.31W	9.2	4.4	68.51	166.9°	PORTOVIEJO
1998/07/01	05:50:41	1.60S	81.25W	5.0	4.3	107.89	235.4°	PORTOVIEJO
1998/07/01	06:49:30	1.37S	81.10W	11.3	4.2	80.98	243.7°	PORTOVIEJO
1998/07/01	10:27:08	1.22S	81.04W	12.0	4.1	68.56	253.7°	PORTOVIEJO
1998/07/01	11:44:44	1.14S	81.21W	9.4	4.3	84.53	263.5°	PORTOVIEJO
1998/07/01	15:39:01	1.15S	80.99W	3.4	4.0	60.57	259.4°	PORTOVIEJO
1998/07/01	17:24:38	1.31S	81.45W	12.0	4.0	115.01	255.6°	PORTOVIEJO
1998/07/01	20:46:03	1.27S	81.43W	1.9	4.4	111.82	257.6°	PORTOVIEJO
1998/07/01	21:05:18	1.24S	81.47W	6.0	4.5	115.50	259.6°	PORTOVIEJO
1998/07/20	15:28:19	0.62S	79.37W	25.0	4.2	90.24	292.4°	LATACUNGA
1998/07/18	03:10:07	2.64S	78.03W	12.0	4.7	38.54	162.4°	MACAS
1998/07/18	21:39:01	1.65S	80.32W	6.1	4.8	68.07	167.6°	PORTOVIEJO
1998/07/18	23:51:27	1.06N	78.07W	8.1	4.6	47.79	305.2°	TULCAN
1998/07/19	00:04:44	1.15N	77.92W	8.0	4.1	43.61	330.1°	TULCAN
1998/07/19	05:55:44	1.63S	81.56W	38.5	4.5	139.42	242.4°	PORTOVIEJO
1998/07/19	04:52:28	1.67S	80.22W	5.0	4.0	67.76	328.8°	GUAYAQUIL
1998/07/19	05:17:23	3.23S	81.77W	46.9	4.2	201.19	271.0°	MACHALA
1998/07/20	00:48:04	2.87S	77.87W	5.0	4.2	68.05	155.0°	MACAS
1998/07/20	06:31:31	1.08S	81.44W	15.3	4.2	110.19	268.2°	PORTOVIEJO
1998/07/20	11:36:27	1.85S	80.34W	12.0	4.0	61.73	308.0°	GUAYAQUIL
1998/07/01	21:09:32	1.28S	81.43W	10.0	4.3	112.34	256.8°	PORTOVIEJO
1998/07/01	23:49:13	1.28S	81.29W	12.0	4.0	96.37	254.3°	PORTOVIEJO
1998/07/02	01:14:47	1.22S	81.06W	12.0	4.0	70.46	254.9°	PORTOVIEJO
1998/07/02	03:21:33	1.61S	81.46W	16.0	4.2	128.24	241.2°	PORTOVIEJO
1998/07/02	04:58:06	1.27S	81.44W	16.0	4.1	113.08	257.7°	PORTOVIEJO
1998/07/21	13:55:43	0.07S	78.49W	15.1	4.1	14.37	3.4°	QUITO
1998/07/21	14:02:20	0.06S	78.49W	18.4	4.1	15.57	4.5°	QUITO
1998/07/21	17:03:23	2.79S	78.01W	5.0	4.2	54.69	165.7°	MACAS
1998/07/21	20:07:35	1.19N	77.82W	11.1	4.0	43.24	345.7°	TULCAN
1998/07/21	20:25:01	2.67S	78.30W	5.0	4.0	44.25	205.8°	MACAS
1998/07/02	05:58:40	1.68S	81.38W	17.0	4.3	124.76	235.6°	PORTOVIEJO
1998/07/02	08:20:05	1.32S	81.17W	15.5	4.5	85.43	249.5°	PORTOVIEJO
1998/07/02	08:58:26	1.79S	81.58W	16.0	4.4	149.81	236.6°	PORTOVIEJO
1998/07/02	09:22:25	2.72S	79.12W	30.7	4.0	22.13	327.4°	CUENCA
1998/07/02	15:16:22	1.51S	81.08W	16.0	4.1	86.84	234.1°	PORTOVIEJO
1998/07/02	15:49:40	1.52S	81.43W	25.0	4.5	120.35	244.5°	PORTOVIEJO
1998/07/02	17:24:42	1.52S	81.17W	15.8	4.4	95.74	237.1°	PORTOVIEJO
1998/07/31	12:32:03	0.24N	80.44W	29.0	4.3	118.14	226.4°	ESMERALDAS
1998/07/02	14:58:13	1.43S	81.53W	12.0	4.5	127.80	250.5°	PORTOVIEJO
1998/07/31	19:07:38	2.06S	79.76W	37.0	4.1	21.19	48.3°	GUAYAQUIL
1998/07/31	19:50:34	0.06S	78.48W	13.0	4.1	15.46	8.4°	QUITO
1998/07/31	20:01:50	0.11S	78.46W	10.0	4.1	10.62	22.7°	QUITO
1998/07/03	01:42:23	1.06S	80.47W	17.6	4.0	2.90	243.8°	PORTOVIEJO
1998/07/03	04:21:23	1.69S	81.40W	7.5	4.0	127.57	236.2°	PORTOVIEJO
1998/07/03	06:00:33	1.08S	81.26W	9.4	4.2	89.61	267.9°	PORTOVIEJO
1998/07/03	06:16:09	1.10S	81.32W	8.9	4.2	96.66	266.4°	PORTOVIEJO
1998/07/03	06:24:29	1.26S	81.11W	5.7	4.1	76.51	252.2°	PORTOVIEJO
1998/07/03	06:36:08	1.16S	81.43W	6.0	4.3	109.03	263.8°	PORTOVIEJO
1998/07/03	07:19:19	0.86S	80.43W	5.3	4.0	21.33	6.9°	PORTOVIEJO

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1998/07/03	08:11:27	1.33S	81.19W	16.9	4.1	88.15	249.5°	PORTOVIEJO
1998/07/03	09:50:13	1.58S	81.61W	12.0	4.4	141.49	245.2°	PORTOVIEJO
1998/07/03	11:41:23	1.34S	81.20W	7.7	4.4	89.24	249.0°	PORTOVIEJO
1998/07/31	20:14:38	1.25S	80.98W	14.0	4.1	63.31	249.0°	PORTOVIEJO
1998/07/29	08:58:21	2.26S	77.08W	157.3	4.0	116.54	87.3°	MACAS
1998/07/29	21:25:23	2.67S	78.15W	1.1	4.1	40.05	182.8°	MACAS
1998/07/28	08:53:24	2.74S	78.01W	12.0	4.2	49.68	163.9°	MACAS
1998/07/03	04:43:05	1.27S	81.04W	20.4	4.5	69.54	249.5°	PORTOVIEJO
1998/07/03	13:11:03	1.09S	81.29W	8.7	4.2	93.58	267.3°	PORTOVIEJO
1998/07/03	19:25:03	1.33S	81.01W	6.0	4.1	69.55	243.9°	PORTOVIEJO
1998/07/03	19:34:23	1.23S	80.94W	8.9	4.0	57.77	249.9°	PORTOVIEJO
1998/07/03	19:51:10	1.28S	81.36W	8.0	4.1	104.48	255.7°	PORTOVIEJO
1998/07/03	20:45:15	1.66S	81.42W	3.2	4.4	127.38	237.8°	PORTOVIEJO
1998/07/03	23:35:05	1.48S	81.24W	6.0	4.2	99.54	241.4°	PORTOVIEJO
1998/07/04	01:45:17	4.11S	80.51W	52.0	4.8	112.01	213.0°	MACHALA
1998/07/04	04:13:11	1.42S	80.97W	5.0	4.0	71.32	234.3°	PORTOVIEJO
1998/07/04	06:32:31	1.56S	81.33W	3.1	4.3	113.16	240.3°	PORTOVIEJO
1998/07/04	06:44:31	1.38S	81.25W	10.2	4.1	96.46	247.7°	PORTOVIEJO
1998/07/04	08:41:21	1.05S	81.46W	7.0	4.5	112.00	270.0°	PORTOVIEJO
1998/07/04	09:03:04	0.43S	78.11W	8.0	4.5	50.39	121.0°	QUITO
1998/07/04	11:58:13	0.92S	80.12W	7.7	4.0	39.82	68.5°	PORTOVIEJO
1998/07/05	05:09:34	1.58S	81.52W	7.0	4.5	132.60	243.7°	PORTOVIEJO
1998/07/05	06:53:12	1.13S	81.32W	10.0	4.2	96.73	265.0°	PORTOVIEJO
1998/07/06	00:45:31	1.03S	81.29W	7.7	4.4	93.39	271.4°	PORTOVIEJO
1998/07/06	08:21:40	1.57S	81.43W	15.4	4.1	122.86	241.9°	PORTOVIEJO
1998/07/08	13:39:18	1.63S	81.53W	12.0	4.3	135.81	241.9°	PORTOVIEJO
1998/07/08	13:44:15	2.86S	79.72W	16.0	4.0	51.67	30.7°	MACHALA
1998/07/10	00:35:12	0.93S	81.32W	10.0	4.0	97.24	277.9°	PORTOVIEJO
1998/07/10	01:44:31	1.85S	77.70W	104.2	4.3	50.69	141.3°	PUYO
1998/07/10	08:19:18	1.13S	81.40W	13.2	4.2	105.66	265.0°	PORTOVIEJO
1998/07/14	10:58:39	4.71S	76.68W	51.5	4.7	261.35	105.7°	ZAMORA
1998/07/15	07:02:39	2.07S	79.00W	4.0	4.7	54.79	179.7°	GUARANDA
1998/07/17	23:48:04	2.93S	80.55W	20.0	4.3	74.74	299.0°	MACHALA
1998/07/17	23:59:14	2.75S	78.01W	5.0	4.1	50.29	164.0°	MACAS
1998/07/23	13:20:01	2.51S	77.86W	30.6	4.5	36.93	126.9°	MACAS
1998/07/24	08:29:05	2.69S	78.05W	5.0	4.2	43.22	167.9°	MACAS
1998/07/26	18:58:34	2.49S	77.76W	12.7	4.1	45.28	116.0°	MACAS
1998/07/26	19:34:12	1.30S	79.27W	5.4	4.0	42.63	316.2°	GUARANDA
1998/08/02	02:06:02	0.87N	77.78W	5.0	4.4	9.99	314.0°	TULCAN
1998/08/04	17:35:02	0.53S	80.49W	37.0	5.7	57.83	356.0°	PORTOVIEJO
1998/08/04	18:14:19	0.38S	81.06W	26.7	4.0	100.48	317.4°	PORTOVIEJO
1998/08/04	18:59:17	0.55S	80.53W	39.9	7.1	56.65	350.5°	PORTOVIEJO
1998/08/04	19:21:37	0.64S	80.51W	37.7	4.4	46.60	351.4°	PORTOVIEJO
1998/08/04	19:32:25	0.65S	80.53W	34.0	4.0	45.30	349.2°	PORTOVIEJO
1998/08/04	19:49:05	0.52S	80.92W	15.4	4.4	78.87	318.4°	PORTOVIEJO
1998/08/04	19:57:44	0.63S	80.59W	35.6	4.2	49.23	341.6°	PORTOVIEJO
1998/08/04	20:12:46	0.71S	80.55W	35.4	4.4	39.17	342.9°	PORTOVIEJO
1998/08/04	20:27:00	0.71S	80.61W	35.9	4.4	41.75	334.8°	PORTOVIEJO
1998/08/04	20:34:30	0.46S	80.41W	40.8	4.0	65.29	3.8°	PORTOVIEJO
1998/08/06	11:02:24	0.14S	80.90W	19.1	4.6	112.74	333.9°	PORTOVIEJO
1998/08/05	21:34:05	0.50S	80.32W	39.2	4.6	62.89	13.4°	PORTOVIEJO
1998/08/05	21:40:35	0.75S	81.06W	20.6	4.7	75.77	296.1°	PORTOVIEJO
1998/08/05	14:20:03	0.68S	80.68W	33.9	4.1	48.45	328.8°	PORTOVIEJO
1998/08/05	14:28:16	0.93S	81.37W	19.7	4.3	103.39	277.6°	PORTOVIEJO
1998/08/06	23:53:44	0.05S	78.46W	9.8	4.1	16.85	15.2°	QUITO
1998/08/07	00:02:22	0.88S	80.81W	28.1	4.5	44.20	294.5°	PORTOVIEJO

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1998/08/07	02:59:28	0.73S	81.07W	21.6	4.5	77.24	297.1°	PORTOVIEJO
1998/08/07	03:06:33	0.71S	81.20W	20.5	4.8	91.48	294.4°	PORTOVIEJO
1998/08/07	04:35:00	0.77S	81.16W	18.0	4.5	85.12	291.3°	PORTOVIEJO
1998/08/07	05:38:22	0.90S	81.34W	21.8	4.4	100.21	279.6°	PORTOVIEJO
1998/08/07	05:50:41	0.64S	80.48W	37.7	4.9	45.35	356.4°	PORTOVIEJO
1998/08/06	09:48:09	0.14S	80.88W	18.7	4.3	112.45	334.7°	PORTOVIEJO
1998/08/06	11:57:28	0.17S	80.98W	16.0	4.1	114.25	328.9°	PORTOVIEJO
1998/08/05	22:16:46	0.48S	80.63W	9.0	4.5	65.92	342.3°	PORTOVIEJO
1998/08/09	14:52:56	0.06S	78.46W	13.4	4.1	15.82	15.4°	QUITO
1998/08/08	01:33:28	0.77S	81.04W	19.4	4.6	72.37	295.1°	PORTOVIEJO
1998/08/08	02:20:40	0.73S	81.26W	5.0	4.3	97.02	291.3°	PORTOVIEJO
1998/08/08	02:57:34	0.68S	80.59W	34.8	4.3	43.84	338.8°	PORTOVIEJO
1998/08/08	03:03:24	0.12S	80.80W	24.8	4.4	110.67	339.4°	PORTOVIEJO
1998/08/08	03:51:20	0.80S	81.20W	3.7	4.2	88.01	288.7°	PORTOVIEJO
1998/08/08	06:26:23	0.77S	81.06W	20.5	4.7	74.93	295.0°	PORTOVIEJO
1998/08/08	07:33:43	0.85S	81.17W	18.4	4.2	83.21	285.8°	PORTOVIEJO
1998/08/08	10:14:05	0.79S	81.17W	10.3	4.4	84.75	289.6°	PORTOVIEJO
1998/08/08	13:02:10	0.88S	81.11W	3.1	4.2	76.10	284.8°	PORTOVIEJO
1998/08/08	14:57:03	0.69S	80.57W	39.5	4.2	42.38	341.8°	PORTOVIEJO
1998/08/04	20:58:15	0.62S	81.15W	42.1	4.5	91.50	301.3°	PORTOVIEJO
1998/08/04	21:07:11	0.71S	81.15W	45.8	4.0	86.19	296.1°	PORTOVIEJO
1998/08/04	21:09:49	0.45S	80.35W	43.0	4.4	68.13	9.8°	PORTOVIEJO
1998/08/04	21:23:15	0.47S	81.39W	20.4	4.1	122.38	301.6°	PORTOVIEJO
1998/08/08	17:48:21	0.21S	80.97W	39.0	4.2	109.60	328.1°	PORTOVIEJO
1998/08/08	22:58:03	0.57S	81.42W	15.3	4.3	120.60	296.3°	PORTOVIEJO
1998/08/08	23:28:37	0.50S	80.90W	24.9	4.2	79.47	320.6°	PORTOVIEJO
1998/08/08	23:44:11	0.05S	78.47W	8.8	4.2	16.53	11.0°	QUITO
1998/08/11	20:53:02	0.66S	81.61W	24.3	4.7	136.58	288.7°	PORTOVIEJO
1998/08/11	18:09:00	0.15S	78.46W	9.6	4.0	6.65	39.9°	QUITO
1998/08/09	02:15:03	2.79S	77.96W	10.0	4.0	56.59	161.1°	MACAS
1998/08/09	06:42:22	0.98S	81.49W	6.9	4.4	115.68	273.9°	PORTOVIEJO
1998/08/09	10:23:40	0.45S	81.02W	19.2	4.3	92.44	316.4°	PORTOVIEJO
1998/08/09	13:34:31	0.59S	81.01W	16.7	4.0	80.35	309.5°	PORTOVIEJO
1998/08/09	22:35:16	0.74S	81.42W	12.6	5.0	113.40	287.6°	PORTOVIEJO
1998/08/10	00:15:04	0.07S	78.51W	16.2	5.0	14.72	356.5°	QUITO
1998/08/10	00:36:30	0.08S	78.48W	13.2	5.0	13.26	10.3°	QUITO
1998/08/10	00:40:45	0.08S	78.47W	8.9	5.0	14.16	14.5°	QUITO
1998/08/10	01:44:08	0.07S	78.48W	12.3	5.0	14.38	8.7°	QUITO
1998/08/10	06:29:12	0.61S	81.01W	17.8	4.2	79.07	307.8°	PORTOVIEJO
1998/08/10	06:40:03	0.63S	80.99W	24.5	4.2	75.77	308.3°	PORTOVIEJO
1998/08/10	07:10:22	0.31S	81.23W	10.0	4.1	120.02	313.5°	PORTOVIEJO
1998/08/10	07:19:05	0.66S	80.49W	39.1	4.3	44.15	353.5°	PORTOVIEJO
1998/08/10	11:28:04	1.16S	81.16W	13.1	4.1	79.45	261.2°	PORTOVIEJO
1998/08/10	13:31:20	1.00S	80.44W	10.0	4.2	5.50	6.3°	PORTOVIEJO
1998/08/10	16:10:07	0.10S	80.93W	17.6	4.3	117.66	333.2°	PORTOVIEJO
1998/08/10	16:19:52	0.62S	78.03W	3.3	4.3	52.95	333.9°	TENA
1998/08/01	00:30:33	0.88S	78.57W	0.0	4.0	7.58	42.0°	LATACUNGA
1998/08/03	13:02:10	3.35S	77.87W	20.0	4.3	119.51	165.7°	MACAS
1998/08/04	21:56:12	0.57S	80.10W	13.1	4.3	66.30	36.3°	PORTOVIEJO
1998/08/04	22:29:03	0.54S	80.29W	33.0	4.1	59.81	17.0°	PORTOVIEJO
1998/08/04	22:52:28	2.71S	80.46W	52.0	4.1	82.87	317.6°	MACHALA
1998/08/04	22:55:27	0.38S	80.37W	36.9	4.7	74.88	6.9°	PORTOVIEJO
1998/08/04	23:30:20	0.66S	81.02W	16.1	4.2	76.47	304.4°	PORTOVIEJO
1998/08/05	00:23:27	0.50S	81.44W	19.3	4.2	125.66	299.0°	PORTOVIEJO
1998/08/05	01:19:18	0.43S	81.12W	27.4	4.4	101.28	312.5°	PORTOVIEJO
1998/08/05	01:49:05	0.26S	80.74W	40.0	4.1	93.53	339.7°	PORTOVIEJO

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1998/08/05	04:01:29	0.54S	80.65W	48.7	4.4	61.37	338.3°	PORTOVIEJO
1998/08/05	11:01:25	0.09S	81.22W	20.0	4.4	136.61	321.5°	PORTOVIEJO
1998/08/05	12:54:21	0.33S	81.59W	17.1	4.1	149.58	302.4°	PORTOVIEJO
1998/08/05	13:07:00	0.59S	80.72W	27.1	4.0	59.50	329.6°	PORTOVIEJO
1998/08/05	13:21:39	0.12S	81.09W	11.2	4.4	125.26	325.4°	PORTOVIEJO
1998/08/05	18:55:27	0.16S	80.96W	12.2	4.0	113.95	329.9°	PORTOVIEJO
1998/08/06	12:10:15	2.85S	81.02W	52.0	4.2	126.26	291.3°	MACHALA
1998/08/06	17:22:01	0.05S	80.98W	25.3	4.1	125.54	332.1°	PORTOVIEJO
1998/08/06	20:55:14	0.05N	81.25W	37.6	4.0	151.57	324.0°	PORTOVIEJO
1998/08/11	03:32:08	0.30S	80.98W	25.6	4.1	101.74	324.5°	PORTOVIEJO
1998/08/11	05:48:02	0.89S	80.51W	17.6	4.0	19.09	339.1°	PORTOVIEJO
1998/08/11	09:47:33	0.16S	81.21W	23.8	4.2	130.34	319.4°	PORTOVIEJO
1998/08/11	10:37:13	0.16S	81.22W	17.1	4.2	130.70	318.8°	PORTOVIEJO
1998/08/11	11:38:25	0.06S	78.48W	12.9	4.2	16.27	9.3°	QUITO
1998/08/11	13:32:06	0.16S	80.93W	26.8	4.2	112.31	331.4°	PORTOVIEJO
1998/08/11	14:04:10	2.88S	78.69W	82.4	4.2	23.26	135.3°	AZOGUES
1998/08/11	15:23:02	0.94S	81.73W	10.0	4.5	142.74	275.0°	PORTOVIEJO
1998/08/11	16:21:01	0.35S	81.22W	21.9	4.3	115.13	312.3°	PORTOVIEJO
1998/08/11	16:32:18	0.24S	80.96W	46.3	4.2	105.74	327.9°	PORTOVIEJO
1998/08/11	19:14:09	0.22S	80.89W	33.0	4.1	104.68	332.1°	PORTOVIEJO
1998/08/22	00:27:26	0.92N	78.82W	4.3	4.8	95.12	93.5°	ESMERALDAS
1998/08/12	14:27:36	0.45S	80.36W	40.6	4.0	67.41	8.7°	PORTOVIEJO
1998/08/17	04:25:46	1.15S	78.43W	10.9	4.4	24.10	66.0°	AMBATO
1998/08/17	13:01:46	0.06S	78.48W	13.3	4.1	15.71	8.4°	QUITO
1998/08/17	14:17:08	1.22S	80.27W	0.0	4.3	27.55	134.6°	PORTOVIEJO
1998/08/25	21:46:30	0.69S	80.48W	25.6	4.5	40.52	355.4°	PORTOVIEJO
1998/08/14	00:58:21	0.40S	80.39W	41.8	4.3	73.00	4.8°	PORTOVIEJO
1998/08/15	05:56:23	3.32S	79.90W	12.0	4.3	9.59	134.4°	MACHALA
1998/08/15	16:18:34	1.48S	81.10W	20.0	4.3	86.74	236.9°	PORTOVIEJO
1998/08/16	15:35:24	0.70S	80.59W	40.9	4.0	41.41	338.1°	PORTOVIEJO
1998/08/17	14:18:04	1.25S	80.64W	33.0	4.3	31.05	223.2°	PORTOVIEJO
1998/08/17	17:28:00	0.70S	80.63W	35.0	4.2	44.14	332.3°	PORTOVIEJO
1998/08/20	02:48:25	1.36S	80.62W	27.2	4.2	39.11	208.2°	PORTOVIEJO
1998/08/20	22:22:14	2.75S	78.01W	10.0	4.7	50.59	165.3°	MACAS
1998/08/22	09:18:07	0.13S	80.85W	21.3	4.4	111.31	336.4°	PORTOVIEJO
1998/08/23	05:56:37	0.14S	78.99W	316.5	4.4	54.37	277.4°	QUITO
1998/08/23	15:28:19	3.07S	78.22W	10.0	4.0	78.39	119.2°	AZOGUES
1998/08/25	04:03:06	1.29S	80.62W	24.6	4.3	32.65	215.8°	PORTOVIEJO
1998/08/30	04:23:03	2.82S	77.98W	7.0	4.0	58.99	163.9°	MACAS
1998/08/30	17:06:15	2.73S	78.06W	10.0	4.3	47.46	170.3°	MACAS
1998/08/31	07:43:14	2.36N	79.82W	70.0	4.1	154.83	353.9°	ESMERALDAS
1998/09/10	01:43:07	0.93S	79.19W	121.1	4.0	63.84	270.0°	LATACUNGA
1998/09/07	20:56:22	2.97S	77.43W	52.0	4.8	106.96	133.2°	MACAS
1998/09/01	04:57:16	2.16S	78.87W	131.5	4.0	59.15	204.1°	RIOBAMBA
1998/09/02	14:17:21	2.79S	78.02W	10.0	4.1	55.17	167.6°	MACAS
1998/09/02	21:11:05	3.39S	80.49W	52.0	4.6	60.39	256.4°	MACHALA
1998/09/16	11:29:09	3.50S	79.68W	90.0	5.0	40.97	130.6°	MACHALA
1998/09/19	02:09:17	2.01S	79.94W	15.1	4.0	20.91	347.7°	GUAYAQUIL
1998/09/19	03:14:43	0.02S	77.81W	14.0	4.0	54.15	141.9°	IBARRA
1998/09/19	05:31:01	0.08S	77.76W	25.0	4.0	62.80	141.2°	IBARRA
1998/09/19	13:15:03	0.41S	81.28W	19.4	4.2	116.66	307.5°	PORTOVIEJO
1998/09/20	13:02:09	0.26N	78.91W	82.9	4.0	68.53	317.8°	QUITO
1998/09/24	21:02:18	0.22S	78.45W	8.3	4.0	6.27	112.2°	QUITO
1998/09/25	07:47:17	0.76S	79.68W	25.7	4.0	91.08	69.0°	PORTOVIEJO
1998/09/05	17:09:18	3.38S	80.57W	52.0	4.6	69.24	258.5°	MACHALA
1998/09/05	21:26:36	1.04S	78.72W	12.0	4.3	17.03	221.7°	LATACUNGA

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1998/09/05	21:32:34	1.05S	78.77W	14.0	4.3	21.44	231.9°	LATACUNGA
1998/09/03	07:00:36	0.13S	80.77W	22.8	4.2	108.51	340.9°	PORTOVIEJO
1998/09/05	06:13:39	0.55S	81.32W	50.2	4.3	111.43	300.0°	PORTOVIEJO
1998/09/09	04:40:38	1.39S	81.20W	25.9	4.3	91.90	245.7°	PORTOVIEJO
1998/09/09	15:00:28	2.52S	82.18W	52.0	4.2	252.56	229.7°	PORTOVIEJO
1998/09/10	19:46:06	0.84S	80.60W	39.8	4.2	28.62	324.3°	PORTOVIEJO
1998/09/12	10:49:12	4.45S	81.15W	55.0	4.2	187.00	224.9°	MACHALA
1998/09/12	22:40:02	0.80S	81.48W	13.6	4.6	117.96	283.8°	PORTOVIEJO
1998/09/13	00:16:24	0.82S	81.24W	12.0	4.1	91.23	286.5°	PORTOVIEJO
1998/09/13	00:19:17	0.45S	80.48W	38.6	4.2	66.85	357.0°	PORTOVIEJO
1998/09/13	03:09:22	1.09S	78.76W	14.7	4.0	22.27	318.4°	AMBATO
1998/09/13	05:12:22	0.72S	81.69W	25.0	4.7	143.14	285.0°	PORTOVIEJO
1998/09/14	01:09:21	2.46S	79.87W	88.0	4.0	30.34	173.8°	GUAYAQUIL
1998/09/14	01:27:06	0.23S	77.73W	25.0	4.0	77.46	147.4°	IBARRA
1998/09/15	06:57:25	1.50S	80.11W	87.5	4.1	62.90	142.5°	PORTOVIEJO
1998/09/15	17:43:06	0.06N	80.63W	38.2	4.1	124.98	350.6°	PORTOVIEJO
1998/09/16	15:53:33	0.66S	81.12W	25.0	4.1	85.89	300.4°	PORTOVIEJO
1998/09/18	20:06:21	1.42S	81.83W	50.0	4.1	158.77	255.0°	PORTOVIEJO
1998/09/22	14:14:01	1.07S	80.96W	26.4	4.3	56.78	267.3°	PORTOVIEJO
1998/09/23	05:08:14	2.90S	77.97W	130.0	4.0	67.78	165.3°	MACAS
1998/09/24	09:35:13	2.57N	79.41W	30.1	4.4	180.60	9.2°	ESMERALDAS
1998/09/24	22:09:21	3.11S	78.55W	120.0	4.3	53.06	143.1°	AZOGUES
1998/09/21	03:02:19	2.32S	76.91W	36.8	4.5	135.88	90.4°	MACAS
1998/09/21	15:19:34	1.21S	81.26W	11.4	4.1	91.96	258.6°	PORTOVIEJO
1998/09/27	06:54:19	0.68S	80.85W	43.8	4.0	60.91	312.6°	PORTOVIEJO
1998/10/11	09:10:12	0.08S	80.91W	31.9	4.4	118.99	334.5°	PORTOVIEJO
1998/10/01	10:55:11	0.14S	80.99W	32.5	4.0	117.85	329.4°	PORTOVIEJO
1998/10/20	09:35:02	0.03S	78.49W	13.1	4.1	19.32	2.6°	QUITO
1998/10/16	04:17:15	1.05S	78.79W	6.4	4.5	23.32	233.6°	LATACUNGA
1998/10/14	22:52:38	0.69S	78.66W	17.5	4.0	27.25	349.5°	LATACUNGA
1998/10/01	18:50:16	1.17S	81.28W	12.8	4.4	93.24	261.9°	PORTOVIEJO
1998/10/02	20:46:14	2.04S	81.71W	55.0	4.1	178.03	231.9°	PORTOVIEJO
1998/10/23	01:49:11	2.75S	76.30W	155.9	5.3	209.13	103.6°	MACAS
1998/10/04	08:50:16	3.00S	79.59W	45.0	4.1	49.93	54.6°	MACHALA
1998/10/05	05:44:10	1.67S	81.81W	33.0	4.1	166.11	245.6°	PORTOVIEJO
1998/10/05	21:41:19	1.62S	81.39W	33.0	4.1	122.36	239.0°	PORTOVIEJO
1998/10/07	21:08:09	0.18S	80.94W	38.3	4.3	111.58	330.5°	PORTOVIEJO
1998/10/08	07:03:24	2.88S	78.11W	10.0	4.0	63.37	177.6°	MACAS
1998/10/11	09:47:03	0.18S	80.82W	38.1	4.2	105.72	336.9°	PORTOVIEJO
1998/10/11	09:52:04	0.06S	81.01W	28.0	4.2	125.74	330.5°	PORTOVIEJO
1998/10/11	10:21:19	0.07S	81.02W	29.1	4.0	125.61	330.0°	PORTOVIEJO
1998/10/13	03:24:04	2.78S	78.09W	20.0	4.0	52.35	174.6°	MACAS
1998/10/13	07:21:43	1.24N	77.82W	20.0	4.0	48.85	347.5°	TULCAN
1998/10/15	03:51:10	2.67S	80.16W	45.0	4.0	60.78	208.3°	GUAYAQUIL
1998/10/20	11:53:23	2.22S	80.36W	46.4	4.1	50.88	266.8°	GUAYAQUIL
1998/10/20	21:20:15	0.13S	81.16W	17.4	4.0	128.68	322.3°	PORTOVIEJO
1998/10/20	21:22:07	1.93S	77.96W	176.3	4.0	45.91	24.7°	MACAS
1998/10/21	16:13:23	6.71S	76.88W	60.0	5.1	372.35	142.0°	ZAMORA
1998/10/21	19:49:23	2.18S	80.69W	33.0	4.0	88.17	270.4°	GUAYAQUIL
1998/10/22	10:21:28	2.10N	79.76W	40.0	4.0	126.32	355.3°	ESMERALDAS
1998/10/24	07:38:34	1.31S	81.39W	23.9	4.4	107.95	254.7°	PORTOVIEJO
1998/10/25	11:42:18	2.05N	81.93W	120.0	4.2	278.61	295.6°	ESMERALDAS
1998/10/26	03:28:00	4.94S	81.78W	57.0	4.4	275.64	227.3°	MACHALA
1998/10/27	03:34:12	2.35S	79.25W	48.5	4.0	62.63	313.0°	AZOGUES
1998/10/28	15:54:08	2.84N	79.69W	60.0	4.4	208.24	359.5°	ESMERALDAS
1998/10/29	08:38:13	1.72N	79.52W	33.0	4.1	84.56	11.5°	ESMERALDAS

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1998/11/15	23:55:07	2.76S	77.51W	26.3	4.7	85.20	126.4°	MACAS
1998/11/17	08:16:40	0.17S	78.65W	2.5	4.7	16.93	280.8°	QUITO
1998/11/07	03:29:01	0.46S	81.09W	9.8	4.4	96.96	312.7°	PORTOVIEJO
1998/11/07	03:39:08	0.50S	81.15W	16.2	4.4	98.75	308.4°	PORTOVIEJO
1998/11/01	00:19:20	2.78S	78.00W	12.0	4.0	53.79	164.8°	MACAS
1998/11/01	23:37:04	0.72S	80.67W	39.5	4.5	44.69	326.0°	PORTOVIEJO
1998/11/02	02:27:02	2.26S	77.43W	12.0	4.2	77.75	85.7°	MACAS
1998/11/02	02:50:19	6.03S	81.39W	20.0	4.9	330.49	227.0°	LOJA
1998/11/05	17:49:39	1.06S	78.32W	12.0	4.0	36.83	113.6°	LATACUNGA
1998/11/06	07:15:21	1.33N	79.15W	12.0	4.3	70.88	55.1°	ESMERALDAS
1998/11/08	00:02:00	1.47S	81.09W	12.0	4.1	85.66	236.6°	PORTOVIEJO
1998/11/09	10:19:22	0.77S	80.73W	46.7	4.1	43.72	314.8°	PORTOVIEJO
1998/11/11	14:45:19	0.63S	81.48W	7.3	4.2	123.97	292.0°	PORTOVIEJO
1998/11/14	01:57:24	2.71S	80.20W	47.0	4.0	66.86	210.4°	GUAYAQUIL
1998/11/18	21:33:29	3.04S	79.64W	17.9	4.1	42.76	55.9°	MACHALA
1998/11/28	18:57:22	2.93S	77.67W	12.0	4.1	85.58	143.3°	MACAS
1998/11/29	14:22:11	3.79S	77.16W	50.5	4.0	196.40	146.8°	MACAS
1998/11/29	21:37:11	2.72S	79.45W	12.0	4.0	52.12	291.3°	CUENCA
1998/11/30	15:52:32	2.35S	77.72W	12.0	4.3	45.73	95.6°	MACAS
1998/11/30	18:13:35	2.07N	83.50W	52.0	4.7	443.16	286.1°	ESMERALDAS
1998/12/01	03:39:19	2.75S	79.92W	10.0	4.1	56.76	4.2°	MACHALA
1998/12/02	11:09:08	0.97S	80.15W	10.0	4.3	34.76	75.8°	PORTOVIEJO
1998/12/04	09:40:16	3.09S	78.96W	90.4	4.4	22.48	165.6°	CUENCA
1998/12/04	14:58:06	1.69S	77.80W	205.4	4.5	30.42	137.4°	PUYO
1998/12/04	23:35:00	1.18S	81.21W	30.3	4.2	86.26	260.2°	PORTOVIEJO
1998/12/05	20:14:23	1.67S	77.73W	206.3	4.1	34.89	125.6°	PUYO
1998/12/21	18:13:24	0.53N	79.94W	13.0	4.4	57.87	211.6°	ESMERALDAS
1998/12/22	11:32:34	0.65N	80.13W	39.2	4.1	62.32	234.9°	ESMERALDAS
1998/12/22	16:08:05	0.49N	79.75W	20.9	4.2	54.22	190.0°	ESMERALDAS
1998/12/22	18:05:01	0.55N	79.97W	9.2	4.0	57.91	215.6°	ESMERALDAS
1998/12/23	00:57:37	0.53N	79.77W	11.1	4.1	49.79	193.0°	ESMERALDAS
1998/12/23	05:58:14	3.88S	81.21W	52.0	4.7	154.74	243.5°	MACHALA
1998/12/23	06:51:13	0.73S	79.46W	15.4	4.7	96.27	283.4°	LATACUNGA
1998/12/23	08:49:22	1.60S	81.16W	17.8	4.0	100.15	232.1°	PORTOVIEJO
1998/12/07	11:06:31	0.23S	79.85W	29.2	4.0	113.04	36.4°	PORTOVIEJO
1998/12/08	20:48:13	3.01S	79.00W	77.5	4.5	13.52	173.4°	CUENCA
1998/12/30	03:32:35	1.76S	77.98W	182.7	5.0	29.97	178.0°	PUYO
1998/12/27	07:13:13	2.13S	80.11W	20.5	4.1	24.40	285.0°	GUAYAQUIL
1998/12/27	23:00:09	3.34S	79.96W	33.7	4.2	9.07	178.4°	MACHALA
1998/12/28	23:20:26	2.86S	78.01W	10.0	4.1	62.78	168.2°	MACAS
1998/12/31	12:51:28	3.16S	78.92W	12.0	4.3	31.27	160.9°	CUENCA
1998/12/31	13:56:13	0.15N	78.95W	109.1	4.3	63.10	308.1°	QUITO
1998/12/31	17:27:76	2.38N	84.40W	18.3	4.7	548.64	286.6°	ESMERALDAS
1998/12/31	21:42:30	2.15N	83.66W	52.0	5.0	462.74	286.5°	ESMERALDAS
1998/12/18	01:55:17	2.53S	79.54W	81.6	4.1	55.18	133.2°	GUAYAQUIL
1998/12/20	22:32:17	2.10S	79.95W	29.6	4.1	11.15	328.5°	GUAYAQUIL
1998/12/23	16:12:14	0.63N	80.15W	27.0	4.3	65.75	234.8°	ESMERALDAS
1998/12/24	01:23:37	1.04S	78.35W	9.2	4.1	32.82	112.3°	LATACUNGA
1998/12/24	08:53:38	5.27S	80.82W	16.5	4.8	227.86	231.9°	LOJA
1998/12/24	20:00:15	2.04S	80.12W	4.5	4.1	29.65	304.6°	GUAYAQUIL
1998/12/26	07:16:17	1.64S	78.17W	175.8	4.3	26.00	231.1°	PUYO
1998/12/06	10:05:10	1.96S	77.87W	177.9	4.5	48.27	36.8°	MACAS
1998/12/06	11:07:00	1.07S	78.32W	12.4	4.5	36.91	115.0°	LATACUNGA
1998/12/06	14:25:23	0.99S	78.69W	10.0	4.0	9.99	231.9°	LATACUNGA
1998/12/07	12:43:43	2.70S	78.54W	97.8	4.3	33.14	84.1°	AZOGUES
1998/12/09	05:56:23	2.74S	80.42W	50.0	4.1	77.11	318.2°	MACHALA

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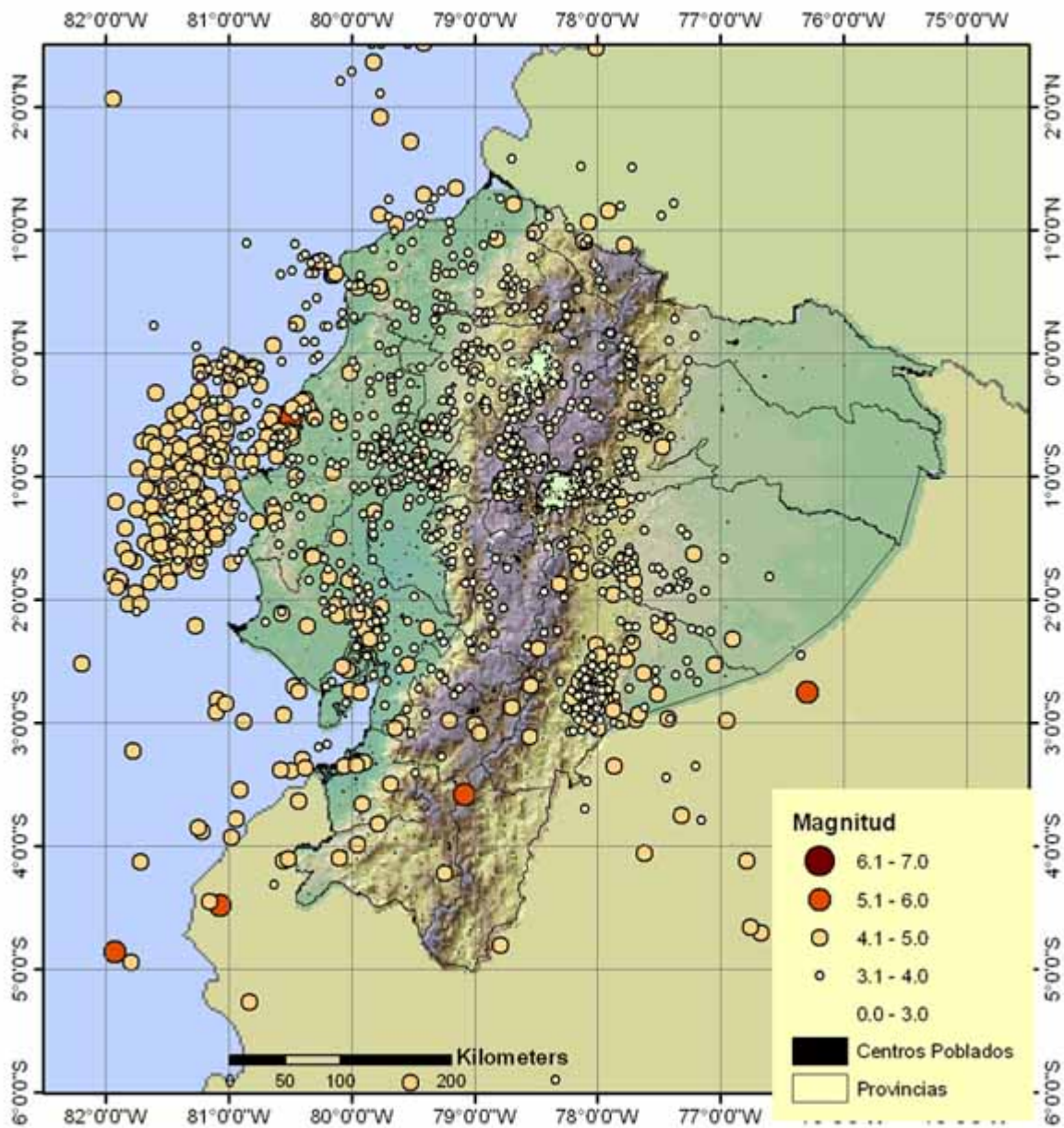
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1998/12/11	14:10:16	0.76S	77.48W	26.9	4.6	49.99	49.7°	TENA
1998/12/11	17:30:11	2.82S	81.09W	52.0	4.5	134.70	291.4°	MACHALA
1998/12/16	07:50:21	1.37S	80.76W	60.0	4.2	48.94	224.0°	PORTOVIEJO
1998/12/12	16:40:14	0.74N	80.24W	36.5	4.1	68.15	248.0°	ESMERALDAS
1998/12/16	23:37:02	3.66S	79.91W	26.0	4.1	44.48	172.9°	MACHALA
1998/12/17	00:54:13	2.51N	79.41W	33.0	4.1	173.86	9.4°	ESMERALDAS

SISMICIDAD 1998



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