



BOLETÍN DE SISMOS

julio de 2016

Red Sismológica Nacional de Colombia ó RSNC ó

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República de Colombia
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA
SERVICIO GEOLÓGICO COLOMBIANO**



Boletín de Sismos: julio de 2016

Red Sismológica Nacional de Colombia

PRESENTACION

La Red Sismológica Nacional de Colombia - RSNC, adscrita al SERVICIO GEOLÓGICO, es la encargada de observar, monitorear, investigar y evaluar la actividad sísmica del país de manera continua y permanente, con el fin de conocer el fenómeno sísmico y la amenaza que éste representa. Así mismo, ante la ocurrencia de un evento destacado, brindar información oportuna al Sistema Nacional de Gestión del Riesgo de Desastres (SNGRD), a las diferentes entidades y a la comunidad en general.

El propósito del boletín mensual es presentar un resumen de los parámetros y localizaciones preliminares de los sismos registrados por la RSNC en el territorio colombiano durante el periodo respectivo. Información general de la Red Sismológica, así como la sismicidad general registrada desde junio de 1993, se puede consultar en nuestra página web <http://www.sgc.gov.co>.

Cordialmente,

MSc. Viviana Dionicio Lozano.

Coordinadora.

Grupo de evaluación y monitoreo de la actividad sísmica

Director General del SERVICIO GEOLÓGICO COLOMBIANO

Dr. Oscar Paredes Zapata

Directora técnica de Geoamenazas

Dra. Marta Lucia Calvache

RED SISMOLÓGICA NACIONAL DE COLOMBIA

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FUNCIONAMIENTO DE LAS ESTACIONES RSNC

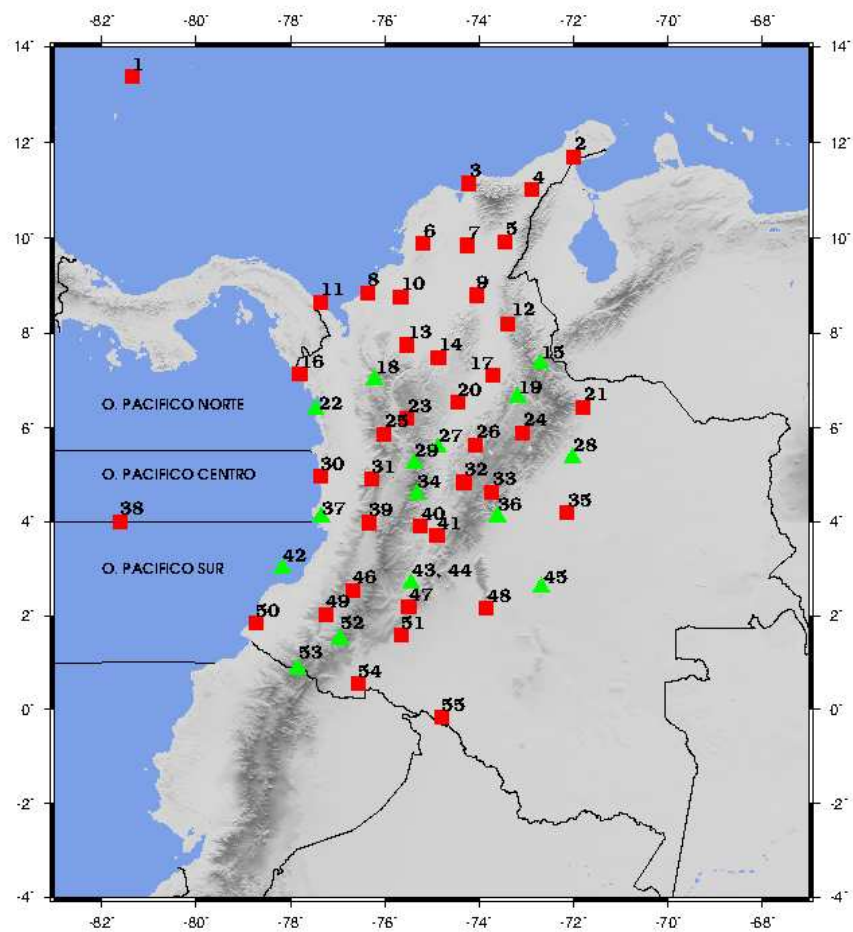
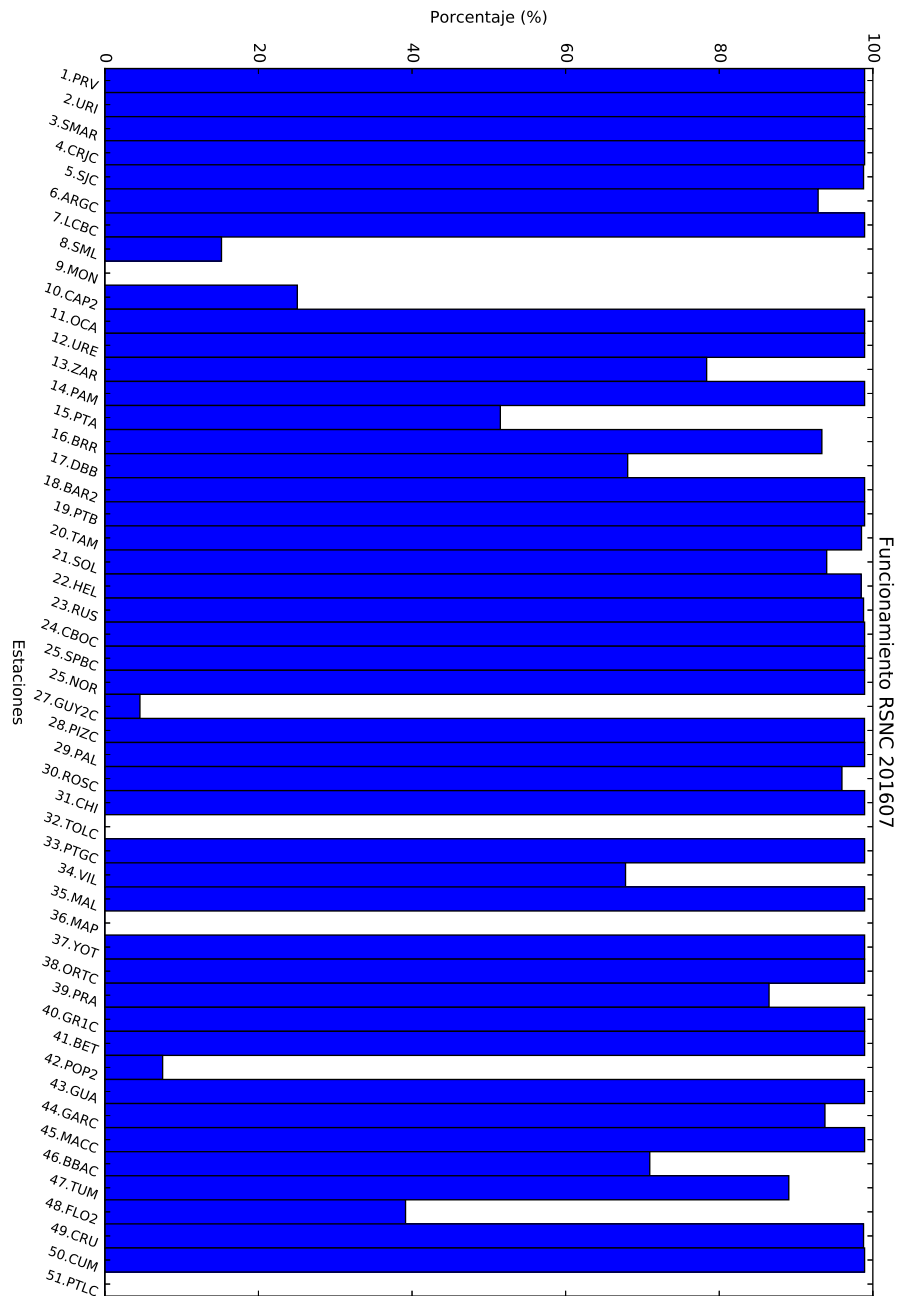


Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

No.	Tipo de Sensor*	Nombre de la Estación	%
1	BB	PROVIDENCIA	98,85
2	BB	URIBIA	98,93
3	BB	SANTA MARTA	99,85
4	BB	CERREJON	99,85
5	BB	SAN JACINTO	99,85
6	BB	ARIGUANI	99,86
7	BB	LOS CORDOBAS	99,86
8	BB	SAN MARTIN DE LOBA	0,00
9	BB	MONTERÍA	0,00
10	BB	CAPURGANÁ	64,94
11	BB	OCAÑA	0,00
12	BB	SAN JOSE DE URE	99,86
13	BB	ZARAGOZA	99,85
14	BB	PAMPLONA	99,83
15	SP	PUNTA ARDITA	86,54
16	BB	BARRANCA	99,85
17	BB	DABEIBA	97,98
18	SP	BARICHARA	87,88
19	SP	PUERTO BERRIO	99,85
20	BB	TAME	99,85
21	BB	SOLANO	99,85
22	SP	ST.HELENA	99,85
23	BB	LA RUSIA	99,85
24	BB	CIUDAD BOLIVAR	88,99
25	BB	SAN PABLO DE BORBUR	99,85
26	BB	NORCASIA	99,85
27	SP	GUYANA	99,85
28	SP	PIZARRO	99,85
29	BB	SAN JOSE DEL PALMAR	98,93
30	BB	EL ROSAL (CTBTO)	82,47
31	BB	CHINGAZA	91,81
32	BB	TOLIMA	0,00
33	SP	PUERTO GAITAN	99,85
34	BB	VILLAVICENCIO	65,47
35	SP	MALAGA	99,85
36	SP	MALPELO	99,85
37	BB	YOTOCO	99,85
38	BB	ORTEGA	34,05
39	BB	PRADO	99,49
40	BB	GORGONA	98,85
41	SP	BETANIA	99,85
42	BB	GUAVIARE	99,85
43	SP	POPAYAN	99,85
44	SP	GARZON	99,84
45	BB	MACARENA	99,85
46	BB	BALBOA	99,84
47	BB	TUMACO	99,85
48	BB	FLORENCIA	99,85
49	BB	LA CRUZ	99,85
50	SP	CUMBAL	99,85
51	BB	PUERTO LEGUIZAMO	96,37

* SP = Período corto
BB = Banda ancha

HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



SISMICIDAD DE JULIO DE 2016

Durante el mes de julio se registraron 2793 eventos, de los cuales: 2544 corresponden a eventos locales y de estos se localizaron 1194, 179 fueron Regionales y 70 Distantes. De los eventos localizados, 11 se determinaron como destacados, ver cuadro 1 y figura 2.

Un evento es denominado como destacado si:

1. El sismo tiene una profundidad menor a 120 km y su magnitud (ML) es mayor o igual a 4.0 en la escala de Richter o su magnitud de momento (Mw) es mayor o igual 4.0.
2. El sismo tiene una profundidad mayor o igual a 120 km y su magnitud (ML) es mayor o igual a 5.0 en la escala de Richter o su magnitud de momento (Mw) es mayor o igual 5.0.
3. El sismo es reportado como sentido cerca al epicentro, sin importar su magnitud o su profundidad.

CONVENCIONES

N	Número del evento
FECHA	Mes Día Año.
H _ M _ S	Hora : Minuto : Segundo. Hora del evento en tiempo universal (UT). Para la hora local en el territorio Colombiano se restan 5 horas a la hora UT.
LAT	Latitud en grados.
LONG	Longitud en grados.
Z	Profundidad en kilómetros.
Sup	Indica una profundidad entre 0 y 5 km.
MAG	Magnitud (ML) del evento en la escala de Richter.
Mw	Magnitud de Momento (Mw) del evento, para los destacados.
NF	Número de fases utilizadas en la localización.
RMS	Raíz cuadrada media del residual de tiempo a las estaciones.
GAP	Mayor ángulo de apertura entre estaciones.
UBICACIÓN	Cabecera municipal y departamento más cercano al epicentro.

Cuadro 1: Eventos destacados durante julio de 2016

N	FECHA	H:M:S	LAT	LONG	Z	Mw	RMS	GAP	NF	UBICACION
1	Jul 6 2016	04:23:36.2	6.84	-73.13	146	3.8	0.6	52	110	LOS SANTOS SANTANDER*
2	Jul 9 2016	12:55:51.2	6.54	-74.10	15	3.6	0.4	47	74	PUERTO PARRA SANTANDER*
3	Jul 11 2016	00:50:39.2	3.72	-76.84	105	3.7	0.6	96	67	DAGUA VALLE*
4	Jul 11 2016	02:11:01.3	0.15	-80.03	34	5.8	2.0	251	77	ROSA ZARATE ECUADOR*
5	Jul 11 2016	02:02:59.0	-1.52	-82.50	10	6.5	9.9	310	52	ROSA ZARATE ECUADOR*
6	Jul 13 2016	02:15:44.2	5.27	-73.75	151	4.1	0.5	64	81	CUCUNUBA CUNDINAMARCA*
7	Jul 13 2016	10:33:26.3	6.79	-73.14	141	4.3	0.5	72	68	LOS SANTOS SANTANDER*
8	Jul 14 2016	10:47:35.2	11.44	-72.26	7	3.7	0.4	144	55	MAICAO LA GUAJIRA*
9	Jul 15 2016	17:49:09.1	3.92	-76.77	23	2.9	0.5	145	41	RESTREPO VALLE*
10	Jul 26 2016	04:32:20.5	6.80	-73.15	152	4.7	0.8	65	113	LOS SANTOS SANTANDER*
11	Jul 30 2016	21:39:16.8	1.31	-77.31	Sup	2.9	1.4	168	10	PASTO NARINO *

*Eventos Sísmicos reportados como sentidos

RED SISMOLOGICA NACIONAL DE COLOMBIA

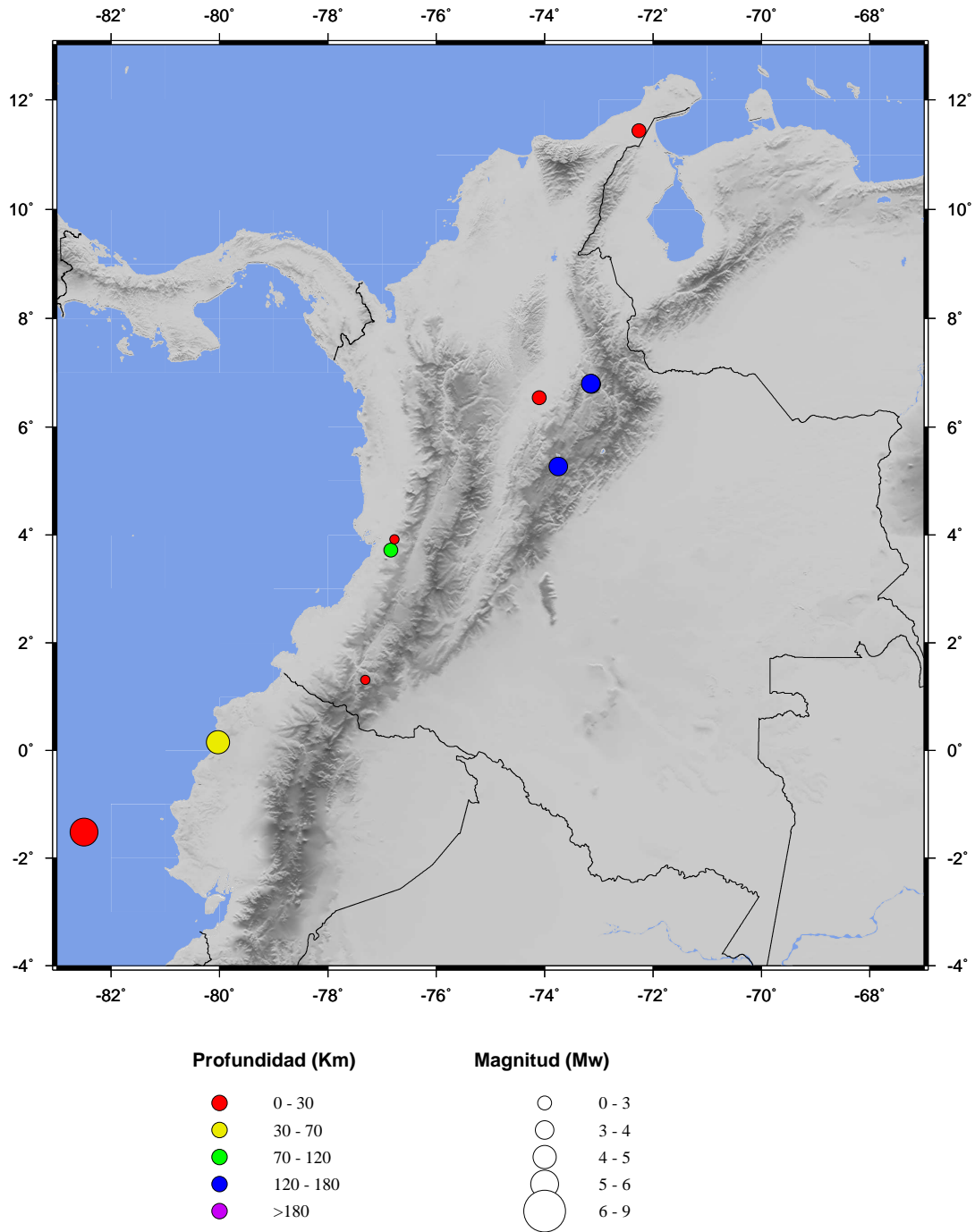


Figura 2: Sismos destacados localizados por la RSNC, durante julio de 2016.

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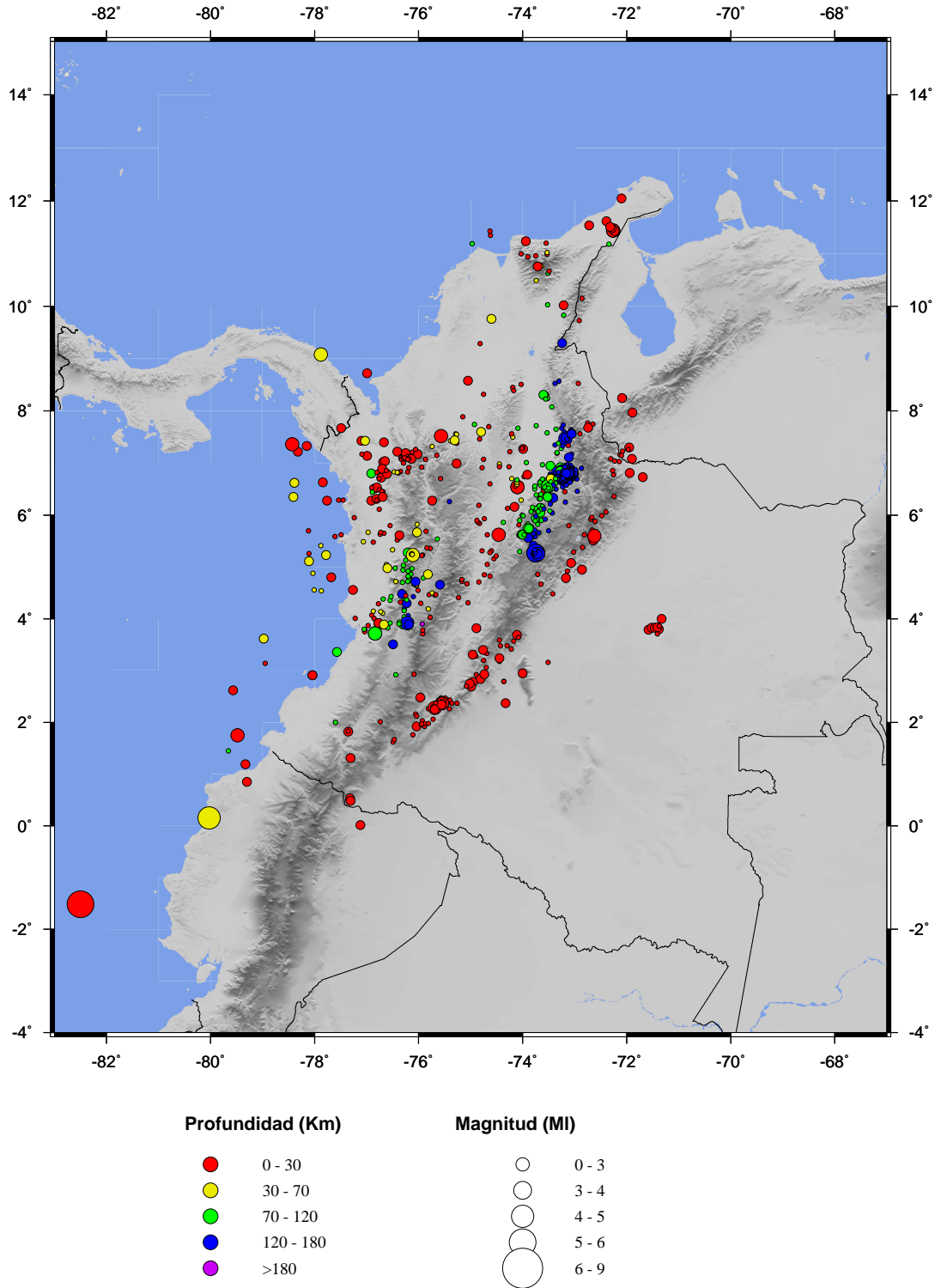


Figura 3: Sismicidad registrada por la RSNC durante julio de 2016

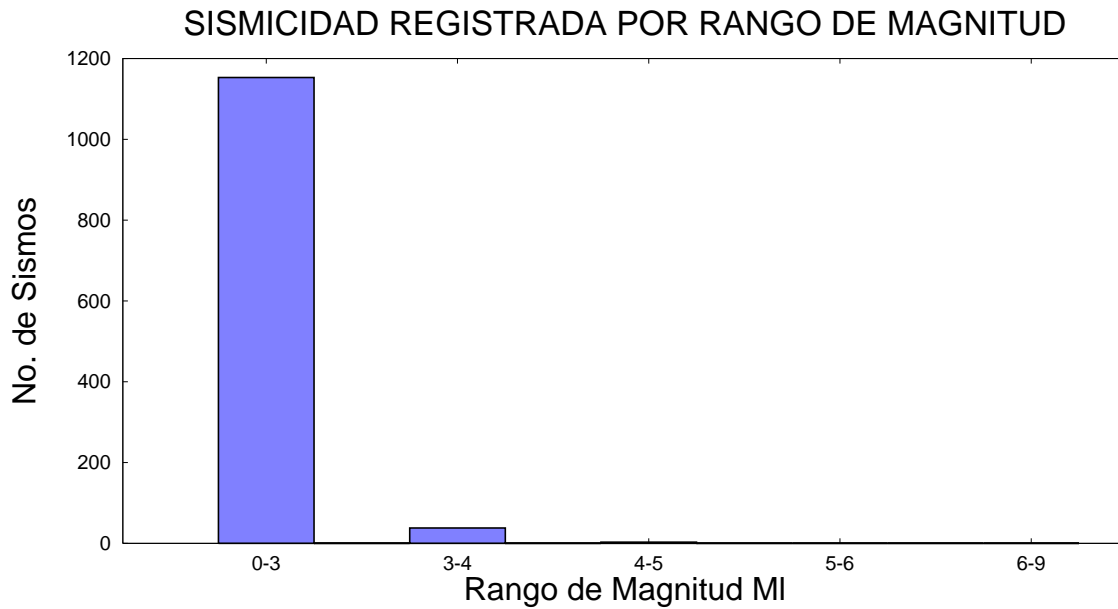


Figura 4: Número de sismos registrados por rango de magnitud, julio de 2016

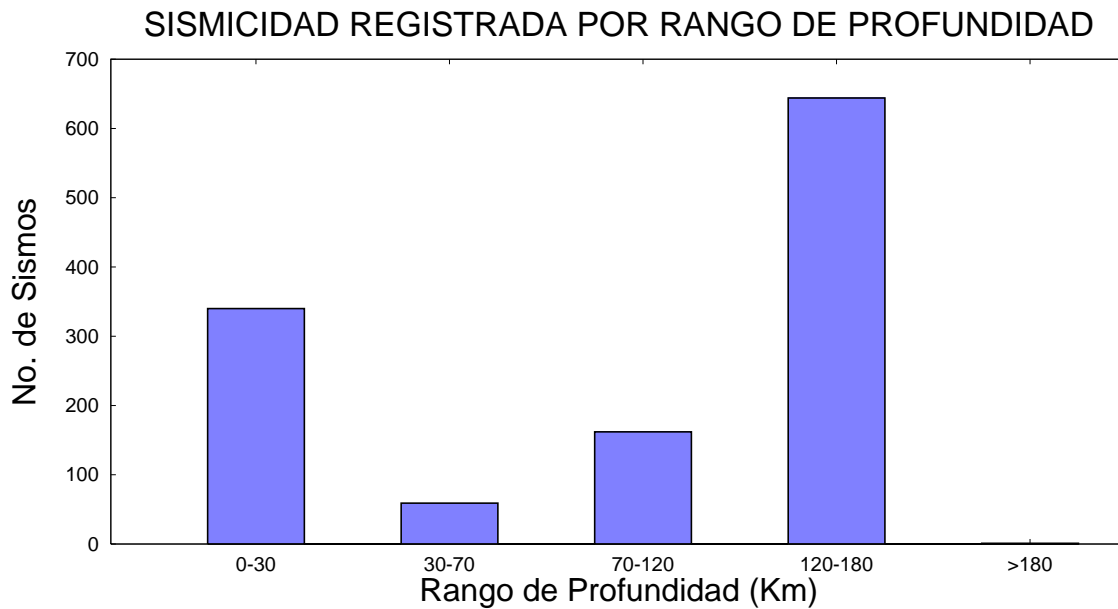


Figura 5: Número de sismos registrados por rango de profundidad, julio de 2016

EVENTOS LOCALIZADOS DURANTE JULIO DE 2016

Cuadro 2: Listado de eventos localizados durante julio de 2016

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Jul 1 2016	00:21: 1.3	6.77	-73.13	144	1.8	0.5	236	17	LOS SANTOS (SANTANDER)
2	Jul 1 2016	00:23:14.2	8.26	-72.04	Sup	1.7	0.3	194	10	FRONTERA CON VENEZUELA
3	Jul 1 2016	00:30:12.5	8.53	-72.93	Sup	1.9	0.5	111	18	EL TARRA (N.SANTANDER)
4	Jul 1 2016	02:02:22.0	6.67	-73.57	102	1.5	0.5	119	14	EL CARMEN (SANTANDER)
5	Jul 1 2016	02:43:12.6	4.67	-76.09	93	1.2	0.3	122	9	ARGELIA (VALLE)
6	Jul 1 2016	04:06:43.9	6.76	-73.19	144	1.5	0.4	230	14	ZAPATOCA (SANTANDER)
7	Jul 1 2016	04:22:58.3	6.78	-73.14	145	2.4	0.5	120	44	LOS SANTOS (SANTANDER)
8	Jul 1 2016	05:01:43.9	6.25	-76.08	Sup	0.9	0.3	163	8	URRAO (ANTIOQUIA)
9	Jul 1 2016	05:25:20.9	5.28	-73.77	147	1.7	0.5	167	27	CUCUNUBA (CUNDINAMARCA)
10	Jul 1 2016	05:36:27.3	4.79	-76.19	104	1.3	0.2	130	10	EL CAIRO (VALLE)
11	Jul 1 2016	05:41:21.8	6.80	-73.10	149	1.7	0.5	263	14	LOS SANTOS (SANTANDER)
12	Jul 1 2016	05:41:59.4	6.72	-73.15	150	1.4	0.4	247	9	VILLANUEVA (SANTANDER)
13	Jul 1 2016	05:55:58.1	4.55	-76.01	18	1.0	0.6	113	12	LA VICTORIA (VALLE)
14	Jul 1 2016	06:39:47.1	5.66	-73.69	145	1.6	0.4	183	10	SUTAMARCHAN (BOYACA)
15	Jul 1 2016	07:40:58.7	6.78	-73.15	139	1.3	0.5	247	10	LOS SANTOS (SANTANDER)
16	Jul 1 2016	07:49:15.1	6.78	-73.19	142	2.0	0.5	131	35	ZAPATOCA (SANTANDER)
17	Jul 1 2016	08:46:13.3	6.78	-73.12	145	1.7	0.5	238	18	LOS SANTOS (SANTANDER)
18	Jul 1 2016	09:14:22.8	6.76	-73.13	138	2.1	0.5	121	36	LOS SANTOS (SANTANDER)
19	Jul 1 2016	09:42:35.3	6.79	-73.04	157	1.8	0.5	247	15	LOS SANTOS (SANTANDER)
20	Jul 1 2016	13:16:14.5	6.52	-73.50	108	2.0	0.3	73	29	EL CARMEN (SANTANDER)
21	Jul 1 2016	14:42: 6.1	6.73	-73.18	147	1.6	0.2	227	15	VILLANUEVA (SANTANDER)
22	Jul 1 2016	14:47: 0.7	4.76	-76.16	97	1.9	0.3	127	19	ARGELIA (VALLE)
23	Jul 1 2016	16:39: 8.8	7.52	-73.14	140	2.2	0.4	153	30	EL PLAYON (SANTANDER)
24	Jul 1 2016	17:08:24.6	7.14	-76.32	Sup	1.9	0.3	233	9	DABEIBA (ANTIOQUIA)
25	Jul 1 2016	17:27:37.1	6.51	-76.85	Sup	2.0	0.5	276	10	VIGIA DEL FUERTE (ANTIOQUIA)
26	Jul 1 2016	17:27:48.9	6.88	-73.19	156	1.9	0.5	127	13	BETULIA (SANTANDER)
27	Jul 1 2016	17:37:35.7	7.22	-78.32	11	2.6	0.5	149	29	O. PACIFICO NORTE
28	Jul 1 2016	21:22:47.4	2.37	-75.45	14	1.6	0.3	174	8	GIGANTE (HUILA)
29	Jul 1 2016	21:47:45.0	11.35	-74.62	17	1.5	0.2	260	7	MAR CARIBE
30	Jul 1 2016	22:25:40.0	6.76	-73.10	139	1.6	0.4	143	12	LOS SANTOS (SANTANDER)
31	Jul 1 2016	22:35:37.9	6.77	-73.15	141	2.0	0.4	136	14	LOS SANTOS (SANTANDER)
32	Jul 1 2016	23:31:45.4	11.18	-72.34	97	1.7	0.3	212	9	MANAURE BALCON CESAR (CESAR)
33	Jul 1 2016	23:57:24.6	6.99	-75.27	15	2.0	0.5	74	13	CAMPAMENTO (ANTIOQUIA)
34	Jul 2 2016	00:05:42.7	4.37	-76.25	106	1.1	0.2	165	8	BOLIVAR (VALLE)
35	Jul 2 2016	00:30:25.0	3.18	-74.45	28	1.2	0.1	189	8	URIBE (META)
36	Jul 2 2016	00:46:41.1	6.53	-73.53	112	1.7	0.4	65	30	EL CARMEN (SANTANDER)
37	Jul 2 2016	00:55:18.2	5.26	-78.11	22	1.4	0.2	308	8	O. PACIFICO CENTRO
38	Jul 2 2016	01:15:50.6	6.77	-73.17	146	1.7	0.3	135	19	LOS SANTOS (SANTANDER)
39	Jul 2 2016	01:38:22.9	6.77	-73.14	143	1.3	0.3	235	14	LOS SANTOS (SANTANDER)
40	Jul 2 2016	02:46:10.6	6.79	-73.12	145	1.8	0.3	239	21	LOS SANTOS (SANTANDER)
41	Jul 2 2016	03:09:49.2	3.85	-76.73	44	1.6	0.4	191	19	DAGUA (VALLE)
42	Jul 2 2016	03:47: 8.1	3.87	-76.97	29	1.3	0.3	124	8	BUENAVENTURA (VALLE)
43	Jul 2 2016	04:15:24.0	9.73	-72.91	Sup	1.5	0.1	245	7	FRONTERA CON VENEZUELA
44	Jul 2 2016	05:26:27.3	5.60	-73.96	108	1.2	0.2	134	15	PAUNA (BOYACA)
45	Jul 2 2016	05:34:34.9	5.61	-73.93	119	1.3	0.1	213	8	PAUNA (BOYACA)
46	Jul 2 2016	05:46:17.3	6.77	-73.14	149	1.3	0.2	235	10	LOS SANTOS (SANTANDER)
47	Jul 2 2016	06:07:29.7	6.64	-73.61	96	1.1	0.3	109	17	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
48	Jul 2 2016	06:10:27.7	5.70	-78.12	18	1.9	0.2	280	10	O. PACIFICO NORTE
49	Jul 2 2016	06:28:53.9	4.40	-76.28	112	1.2	0.2	172	8	EL DOVIO (VALLE)
50	Jul 2 2016	06:35: 4.4	6.77	-73.09	154	1.3	0.3	241	12	LOS SANTOS (SANTANDER)
51	Jul 2 2016	07:36:16.3	6.74	-73.14	149	1.2	0.2	234	9	LOS SANTOS (SANTANDER)
52	Jul 2 2016	09:06:23.5	6.84	-73.14	144	1.4	0.3	135	13	LOS SANTOS (SANTANDER)
53	Jul 2 2016	12:06:13.0	1.96	-75.89	Sup	1.1	0.2	158	7	TIMANA (HUILA)
54	Jul 2 2016	12:50:18.2	3.80	-71.38	Sup	2.6	0.6	264	25	PUERTO GAITAN (META)
55	Jul 2 2016	16:09:26.3	6.80	-73.12	149	2.0	0.4	121	22	LOS SANTOS (SANTANDER)
56	Jul 2 2016	20:08:51.2	6.79	-73.16	144	2.1	0.4	135	24	LOS SANTOS (SANTANDER)
57	Jul 2 2016	20:29:18.1	6.76	-73.19	148	1.3	0.3	229	7	ZAPATOCA (SANTANDER)
58	Jul 2 2016	21:53:59.9	6.72	-73.18	153	1.5	0.4	227	8	VILLANUEVA (SANTANDER)
59	Jul 2 2016	22:25:20.4	6.79	-73.16	152	1.6	0.2	235	8	LOS SANTOS (SANTANDER)
60	Jul 3 2016	00:12:30.6	6.83	-73.14	141	2.3	0.4	70	38	LOS SANTOS (SANTANDER)
61	Jul 3 2016	00:20:11.2	6.85	-73.15	135	1.4	0.2	242	13	LOS SANTOS (SANTANDER)
62	Jul 3 2016	00:53:40.1	6.61	-73.25	146	1.4	0.3	149	11	CABRERA (SANTANDER)
63	Jul 3 2016	01:08:20.6	5.36	-75.78	Sup	1.5	0.5	107	21	GUATICA (RISARALDA)
64	Jul 3 2016	01:13:14.7	11.20	-73.55	8	1.4	0.4	165	8	PUEBLO BELLO (CESAR)
65	Jul 3 2016	01:27:20.2	4.71	-75.95	83	0.9	0.4	159	8	CARTAGO (VALLE)
66	Jul 3 2016	01:54:44.7	6.78	-73.09	144	1.7	0.3	241	17	LOS SANTOS (SANTANDER)
67	Jul 3 2016	02:21:41.2	1.62	-76.49	Sup	1.3	0.4	152	8	SANTA ROSA (CAUCA)
68	Jul 3 2016	02:26:11.8	6.72	-76.69	Sup	1.5	0.4	246	12	VIGIA DEL FUERTE (ANTIOQUIA)
69	Jul 3 2016	02:28:17.2	6.80	-73.16	143	2.1	0.3	135	32	LOS SANTOS (SANTANDER)
70	Jul 3 2016	03:05:38.0	8.45	-74.19	15	1.5	0.2	125	10	TIQUISIO (BOLIVAR)
71	Jul 3 2016	04:52:24.9	5.25	-73.75	147	2.0	0.4	77	36	CUCUNUBA (CUNDINAMARCA)
72	Jul 3 2016	05:06:43.7	6.76	-73.14	152	1.4	0.4	234	12	LOS SANTOS (SANTANDER)
73	Jul 3 2016	05:34:11.8	6.63	-73.15	150	1.2	0.3	266	8	VILLANUEVA (SANTANDER)
74	Jul 3 2016	06:31:34.6	6.79	-73.20	146	1.3	0.3	231	12	ZAPATOCA (SANTANDER)
75	Jul 3 2016	06:45: 9.9	6.80	-73.15	143	1.4	0.3	237	12	LOS SANTOS (SANTANDER)
76	Jul 3 2016	07:38:19.3	6.71	-73.21	149	1.0	0.2	214	8	VILLANUEVA (SANTANDER)
77	Jul 3 2016	07:44:22.3	6.79	-73.47	121	1.1	0.2	161	9	EL CARMEN (SANTANDER)
78	Jul 3 2016	08:23:43.1	5.83	-73.90	108	1.4	0.3	137	14	LA BELLEZA (SANTANDER)
79	Jul 3 2016	08:28:24.6	5.59	-74.33	83	0.9	0.3	173	10	LA VICTORIA (BOYACA)
80	Jul 3 2016	08:48:47.4	6.80	-73.20	134	1.4	0.2	231	10	ZAPATOCA (SANTANDER)
81	Jul 3 2016	09:34:35.7	2.79	-74.36	Sup	1.4	0.3	128	10	URIBE (META)
82	Jul 3 2016	09:34:35.7	2.79	-74.36	Sup	1.4	0.3	128	10	URIBE (META)
83	Jul 3 2016	09:37:42.1	6.78	-73.16	151	1.7	0.3	234	11	LOS SANTOS (SANTANDER)
84	Jul 3 2016	09:37:43.2	6.77	-73.16	140	1.7	0.2	233	13	LOS SANTOS (SANTANDER)
85	Jul 3 2016	09:56: 8.0	5.05	-74.68	Sup	1.6	0.4	75	23	GUADUAS (CUNDINAMARCA)
86	Jul 3 2016	10:02:29.0	6.72	-73.23	168	1.5	0.4	211	8	VILLANUEVA (SANTANDER)
87	Jul 3 2016	10:55:35.3	9.30	-73.24	128	2.2	0.5	167	22	FRONTERA CON VENEZUELA
88	Jul 3 2016	10:56:12.2	4.01	-77.22	19	1.3	0.5	139	8	BUENAVENTURA (VALLE)
89	Jul 3 2016	11:07:45.9	6.81	-73.08	140	1.6	0.4	245	14	LOS SANTOS (SANTANDER)
90	Jul 3 2016	12:12:32.0	6.81	-73.14	143	1.7	0.4	239	13	LOS SANTOS (SANTANDER)
91	Jul 3 2016	12:54:38.6	6.77	-73.15	147	1.5	0.4	234	12	LOS SANTOS (SANTANDER)
92	Jul 3 2016	13:12:48.8	3.78	-77.03	18	1.3	0.4	143	8	BUENAVENTURA (VALLE)
93	Jul 3 2016	13:34:37.0	3.75	-77.04	Sup	1.5	0.5	147	8	BUENAVENTURA (VALLE)
94	Jul 3 2016	13:39:51.4	6.82	-73.15	145	2.6	0.4	239	40	LOS SANTOS (SANTANDER)
95	Jul 3 2016	14:16:52.3	4.00	-71.33	Sup	2.1	0.6	269	15	OROCUE (CASANARE)
96	Jul 3 2016	15:35: 7.9	6.79	-73.12	155	1.8	0.4	211	19	LOS SANTOS (SANTANDER)
97	Jul 3 2016	15:38:15.8	6.80	-73.12	151	2.0	0.5	211	20	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
98	Jul 3 2016	16:46:45.7	2.37	-75.26	18	1.4	0.2	191	8	ALGECIRAS (HUILA)
99	Jul 3 2016	17:25: 5.2	6.74	-73.97	19	1.7	0.4	86	16	PUERTO PARRA (SANTANDER)
100	Jul 3 2016	18:04:31.2	6.50	-73.77	89	1.7	0.5	76	18	SANTA HELENA DEL OPOON (SANTANDER)
101	Jul 3 2016	18:15:55.4	4.67	-73.65	Sup	1.3	0.4	300	7	GAMA (CUNDINAMARCA)
102	Jul 3 2016	18:50:20.6	6.79	-73.12	151	2.0	0.5	240	22	LOS SANTOS (SANTANDER)
103	Jul 3 2016	19:27: 4.8	5.29	-73.84	132	1.6	0.4	162	14	UBATE (CUNDINAMARCA)
104	Jul 3 2016	20:28: 4.7	7.08	-76.33	Sup	1.6	0.5	291	8	DABEIBA (ANTIOQUIA)
105	Jul 3 2016	20:50:38.5	6.81	-73.17	146	2.4	0.5	132	37	ZAPATOCA (SANTANDER)
106	Jul 3 2016	21:08:31.3	4.72	-76.44	34	1.6	0.2	209	10	SIPI (CHOCO)
107	Jul 3 2016	21:49:23.2	6.78	-73.14	147	2.3	0.3	137	26	LOS SANTOS (SANTANDER)
108	Jul 3 2016	21:54:45.0	7.10	-76.28	Sup	1.9	0.4	268	10	DABEIBA (ANTIOQUIA)
109	Jul 3 2016	22:05:17.3	6.75	-73.07	148	2.4	0.4	127	33	LOS SANTOS (SANTANDER)
110	Jul 3 2016	22:34:36.6	7.08	-72.31	Sup	1.5	0.4	198	9	CUBARA (BOYACA)
111	Jul 3 2016	22:49:27.4	5.65	-76.67	Sup	1.7	0.4	280	8	QUIBDO (CHOCO)
112	Jul 3 2016	23:16:31.4	6.77	-73.18	150	1.3	0.2	231	8	LOS SANTOS (SANTANDER)
113	Jul 4 2016	00:13:37.9	7.10	-76.34	Sup	1.7	0.4	246	15	DABEIBA (ANTIOQUIA)
114	Jul 4 2016	00:28: 1.1	7.04	-72.23	6	1.6	0.4	106	15	CUBARA (BOYACA)
115	Jul 4 2016	00:38:21.6	5.27	-73.73	148	3.1	0.5	65	55	CUCUNUBA (CUNDINAMARCA)
116	Jul 4 2016	00:54: 9.8	3.79	-71.58	Sup	2.0	0.3	225	9	PUERTO GAITAN (META)
117	Jul 4 2016	02:08:29.8	6.84	-73.18	147	3.5	0.6	68	80	ZAPATOCA (SANTANDER)
118	Jul 4 2016	02:21: 0.3	6.74	-73.15	139	1.6	0.4	121	14	LOS SANTOS (SANTANDER)
119	Jul 4 2016	02:50: 3.6	6.77	-73.17	149	1.5	0.4	233	13	LOS SANTOS (SANTANDER)
120	Jul 4 2016	02:55:27.4	4.74	-76.16	97	1.1	0.4	129	10	ARGELIA (VALLE)
121	Jul 4 2016	03:43:58.8	3.59	-74.45	17	1.3	0.5	128	10	VILLARRICA (TOLIMA)
122	Jul 4 2016	03:49: 6.2	6.83	-73.13	146	1.5	0.5	242	14	LOS SANTOS (SANTANDER)
123	Jul 4 2016	03:56:14.5	6.73	-73.19	146	1.6	0.4	227	14	VILLANUEVA (SANTANDER)
124	Jul 4 2016	04:00:52.9	10.77	-73.64	32	1.5	0.3	128	10	PUEBLO BELLO (CESAR)
125	Jul 4 2016	04:23:11.6	5.16	-74.55	20	1.8	0.5	78	26	UTICA (CUNDINAMARCA)
126	Jul 4 2016	04:30: 2.2	6.57	-73.41	118	1.9	0.5	114	26	HATO (SANTANDER)
127	Jul 4 2016	04:51:42.0	5.95	-72.68	Sup	1.2	0.4	201	11	SOCHA (BOYACA)
128	Jul 4 2016	04:57:11.1	7.46	-74.83	Sup	1.7	0.5	148	21	ZARAGOZA (ANTIOQUIA)
129	Jul 4 2016	05:50:47.0	5.54	-75.64	92	1.6	0.3	86	24	CARAMANTA (ANTIOQUIA)
130	Jul 4 2016	05:55:46.4	7.10	-76.26	Sup	1.4	0.5	240	13	DABEIBA (ANTIOQUIA)
131	Jul 4 2016	06:13:43.4	6.78	-73.18	158	1.6	0.3	132	9	ZAPATOCA (SANTANDER)
132	Jul 4 2016	06:30:12.2	6.78	-73.18	151	1.3	0.3	232	11	LOS SANTOS (SANTANDER)
133	Jul 4 2016	07:22:23.6	6.53	-76.80	6	2.5	0.4	127	52	VIGIA DEL FUERTE (ANTIOQUIA)
134	Jul 4 2016	08:13: 5.5	10.63	-73.51	83	1.6	0.2	111	8	PUEBLO BELLO (CESAR)
135	Jul 4 2016	08:46:38.9	6.49	-76.76	19	1.1	0.2	243	9	VIGIA DEL FUERTE (ANTIOQUIA)
136	Jul 4 2016	08:51:34.4	6.29	-77.54	13	1.7	0.5	284	8	O. PACIFICO NORTE
137	Jul 4 2016	08:51:36.2	5.94	-73.75	106	2.1	0.5	42	43	BOLIVAR (SANTANDER)
138	Jul 4 2016	08:54:53.4	6.80	-73.14	144	2.0	0.5	102	38	LOS SANTOS (SANTANDER)
139	Jul 4 2016	09:02:39.2	7.07	-76.33	11	1.2	0.3	245	6	DABEIBA (ANTIOQUIA)
140	Jul 4 2016	09:26:10.0	5.81	-74.07	Sup	1.2	0.5	111	14	FLORIAN (SANTANDER)
141	Jul 4 2016	09:43:45.6	4.68	-75.07	29	1.3	0.1	123	15	SANTA ISABEL (TOLIMA)
142	Jul 4 2016	10:13:49.9	5.93	-73.65	117	1.4	0.2	142	18	BARBOSA (SANTANDER)
143	Jul 4 2016	10:36: 7.1	6.76	-73.13	141	1.7	0.3	139	22	LOS SANTOS (SANTANDER)
144	Jul 4 2016	10:44:21.1	3.80	-77.05	78	1.1	0.2	142	7	BUENAVENTURA (VALLE)
145	Jul 4 2016	11:00:48.0	6.18	-73.68	116	1.6	0.2	78	14	LA PAZ (SANTANDER)
146	Jul 4 2016	11:08:22.7	6.76	-73.13	137	1.9	0.4	140	25	LOS SANTOS (SANTANDER)
147	Jul 4 2016	11:41:42.8	4.41	-75.23	16	1.1	0.2	136	10	IBAGUE (TOLIMA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
148	Jul 4 2016	11:43:57.7	2.34	-75.68	18	1.0	0.1	220	8	AGRADO (HUILA)
149	Jul 4 2016	11:45:23.6	6.76	-73.13	144	1.7	0.2	139	18	LOS SANTOS (SANTANDER)
150	Jul 4 2016	12:20:13.7	6.76	-73.18	150	1.4	0.2	231	11	LOS SANTOS (SANTANDER)
151	Jul 4 2016	12:28:37.3	3.71	-75.92	Sup	1.2	0.2	132	13	RIOBLANCO (TOLIMA)
152	Jul 4 2016	12:49:21.8	6.76	-73.16	150	1.5	0.5	136	16	LOS SANTOS (SANTANDER)
153	Jul 4 2016	13:23:57.2	6.75	-73.16	148	1.5	0.4	135	16	LOS SANTOS (SANTANDER)
154	Jul 4 2016	13:24: 6.6	4.94	-76.30	110	1.4	0.3	251	10	SAN JOSE DEL PALMAR (CHOCO)
155	Jul 4 2016	13:50:10.9	6.75	-73.89	Sup	1.2	0.2	138	7	PUERTO PARRA (SANTANDER)
156	Jul 4 2016	13:53:55.2	6.78	-73.17	150	1.8	0.3	134	20	LOS SANTOS (SANTANDER)
157	Jul 4 2016	14:18: 8.7	6.79	-73.13	145	1.8	0.3	138	20	LOS SANTOS (SANTANDER)
158	Jul 4 2016	15:59: 1.3	4.01	-76.86	13	1.9	0.7	115	26	BUENAVENTURA (VALLE)
159	Jul 4 2016	16:30:28.5	7.56	-72.90	Sup	1.8	0.6	190	15	ARBOLEDAS (N.SANTANDER)
160	Jul 4 2016	17:30:45.2	5.23	-75.92	16	1.4	0.4	126	14	BELEN DE UMBRIA (RISARALDA)
161	Jul 4 2016	18:30:14.1	6.79	-73.13	145	1.7	0.3	138	22	LOS SANTOS (SANTANDER)
162	Jul 4 2016	19:04:56.6	6.00	-74.01	87	1.5	0.2	143	13	LA BELLEZA (SANTANDER)
163	Jul 4 2016	19:15:48.5	6.78	-73.13	136	1.4	0.1	138	10	LOS SANTOS (SANTANDER)
164	Jul 4 2016	19:48:36.7	6.69	-73.12	136	1.7	0.3	143	14	JORDAN (SANTANDER)
165	Jul 4 2016	19:53:26.1	6.76	-73.11	141	1.8	0.2	142	12	LOS SANTOS (SANTANDER)
166	Jul 4 2016	22:37:38.8	2.34	-75.62	17	1.6	0.3	105	10	GIGANTE (HUILA)
167	Jul 4 2016	23:06:44.8	6.80	-73.14	145	2.8	0.5	119	49	LOS SANTOS (SANTANDER)
168	Jul 4 2016	23:27:24.4	1.76	-76.11	18	1.6	0.3	222	8	PALESTINA (HUILA)
169	Jul 4 2016	23:31:12.1	6.80	-73.13	147	2.4	0.5	120	47	LOS SANTOS (SANTANDER)
170	Jul 5 2016	01:16:15.5	6.76	-73.17	146	1.8	0.5	134	14	LOS SANTOS (SANTANDER)
171	Jul 5 2016	01:16:52.4	6.79	-73.13	148	2.1	0.5	120	30	LOS SANTOS (SANTANDER)
172	Jul 5 2016	01:45:58.1	3.83	-71.52	Sup	2.2	0.5	226	13	PUERTO GAITAN (META)
173	Jul 5 2016	03:22:15.1	7.19	-73.34	25	1.7	0.5	156	12	LEBRIJA (SANTANDER)
174	Jul 5 2016	03:26: 6.1	5.27	-73.76	145	2.4	0.4	76	38	CUCUNUBA (CUNDINAMARCA)
175	Jul 5 2016	03:53:36.8	4.30	-76.23	122	2.2	0.5	100	36	BOLIVAR (VALLE)
176	Jul 5 2016	04:29:21.7	6.78	-73.12	147	2.4	0.4	103	39	LOS SANTOS (SANTANDER)
177	Jul 5 2016	04:43:10.2	6.84	-73.17	137	1.9	0.3	131	24	ZAPATOCA (SANTANDER)
178	Jul 5 2016	04:45:40.0	6.85	-73.06	151	2.0	0.5	123	29	LOS SANTOS (SANTANDER)
179	Jul 5 2016	04:56:14.1	6.75	-73.12	150	1.2	0.5	258	7	LOS SANTOS (SANTANDER)
180	Jul 5 2016	04:59:30.9	6.83	-76.47	42	1.5	0.5	251	9	DABEIBA (ANTIOQUIA)
181	Jul 5 2016	05:09:37.8	6.76	-73.13	140	1.6	0.5	140	17	LOS SANTOS (SANTANDER)
182	Jul 5 2016	05:38: 7.0	6.78	-73.11	140	1.6	0.5	122	18	LOS SANTOS (SANTANDER)
183	Jul 5 2016	06:00:11.0	2.35	-75.56	Sup	2.0	0.4	70	26	GIGANTE (HUILA)
184	Jul 5 2016	06:09: 0.7	6.63	-73.27	137	1.1	0.8	155	9	GALAN (SANTANDER)
185	Jul 5 2016	06:10:16.9	5.62	-77.49	23	1.5	0.4	200	8	O. PACIFICO NORTE
186	Jul 5 2016	06:54:29.3	4.07	-76.90	Sup	1.3	0.5	162	13	BUENAVENTURA (VALLE)
187	Jul 5 2016	07:31:51.7	6.83	-73.09	155	1.6	0.5	213	14	LOS SANTOS (SANTANDER)
188	Jul 5 2016	08:59:33.6	6.73	-73.40	124	1.1	0.4	162	9	EL CARMEN (SANTANDER)
189	Jul 5 2016	09:07:44.6	2.94	-74.76	8	1.1	0.5	140	9	BARAYA (HUILA)
190	Jul 5 2016	09:39:30.8	6.72	-73.16	141	1.4	0.3	137	12	VILLANUEVA (SANTANDER)
191	Jul 5 2016	10:15:41.7	6.76	-73.13	146	1.6	0.3	140	11	LOS SANTOS (SANTANDER)
192	Jul 5 2016	10:28: 1.6	5.41	-73.79	136	2.2	0.5	119	32	FUQUENE (CUNDINAMARCA)
193	Jul 5 2016	11:00:57.7	6.82	-73.15	154	1.7	0.5	134	14	LOS SANTOS (SANTANDER)
194	Jul 5 2016	11:21:15.9	6.76	-73.16	153	1.7	0.4	233	12	LOS SANTOS (SANTANDER)
195	Jul 5 2016	12:02:16.4	6.77	-73.17	150	1.7	0.4	135	12	LOS SANTOS (SANTANDER)
196	Jul 5 2016	12:24:26.3	6.79	-73.14	150	1.7	0.3	137	12	LOS SANTOS (SANTANDER)
197	Jul 5 2016	12:40:42.4	6.78	-73.14	143	1.4	0.2	243	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
198	Jul 5 2016	13:06:25.6	6.75	-73.16	146	1.5	0.4	231	10	LOS SANTOS (SANTANDER)
199	Jul 5 2016	13:21:38.6	6.57	-73.52	110	2.9	0.5	103	42	EL CARMEN (SANTANDER)
200	Jul 5 2016	14:47:46.5	5.93	-74.74	Sup	1.4	0.5	159	10	PUERTO TRIUNFO (ANTIOQUIA)
201	Jul 5 2016	15:46:34.0	3.24	-74.45	11	2.1	0.2	188	12	URIBE (META)
202	Jul 5 2016	17:33:18.3	2.26	-75.81	Sup	1.9	0.4	93	18	PITAL (HUILA)
203	Jul 5 2016	20:55: 2.6	6.56	-73.55	106	1.8	0.5	102	18	EL CARMEN (SANTANDER)
204	Jul 5 2016	22:50:39.1	6.76	-73.21	145	1.4	0.3	237	8	ZAPATOCA (SANTANDER)
205	Jul 5 2016	23:15:34.7	4.64	-76.04	21	1.3	0.4	157	12	TORO (VALLE)
206	Jul 6 2016	00:20:25.8	6.84	-73.17	148	1.9	0.5	131	34	ZAPATOCA (SANTANDER)
207	Jul 6 2016	00:36:20.1	3.83	-71.46	Sup	2.6	0.7	214	25	PUERTO GAITAN (META)
208	Jul 6 2016	00:52:34.7	7.70	-74.65	Sup	1.7	0.5	135	20	EL BAGRE (ANTIOQUIA)
209	Jul 6 2016	01:47:51.4	7.19	-76.25	7	2.1	0.4	99	32	MUTATA (ANTIOQUIA)
210	Jul 6 2016	02:13:46.0	7.27	-73.99	12	2.4	0.4	111	35	PUERTO WILCHES (SANTANDER)
211	Jul 6 2016	03:30:39.7	5.57	-73.83	129	1.3	0.1	142	14	CALDAS (BOYACA)
212	Jul 6 2016	04:23:36.2	6.84	-73.13	146	3.8*	0.6	52	110	LOS SANTOS (SANTANDER)
213	Jul 6 2016	04:51:53.8	6.79	-73.12	144	2.1	0.6	121	33	LOS SANTOS (SANTANDER)
214	Jul 6 2016	05:07:33.0	2.44	-75.45	9	1.7	0.4	87	24	GIGANTE (HUILA)
215	Jul 6 2016	07:07:18.3	7.43	-77.05	Sup	1.6	0.6	96	13	RIOSUCIO (CHOCO)
216	Jul 6 2016	08:10: 8.2	6.84	-73.09	129	1.3	0.3	249	9	LOS SANTOS (SANTANDER)
217	Jul 6 2016	09:26:52.8	6.76	-73.14	143	2.1	0.5	97	33	LOS SANTOS (SANTANDER)
218	Jul 6 2016	10:31:36.3	6.81	-73.16	148	1.5	0.3	246	11	LOS SANTOS (SANTANDER)
219	Jul 6 2016	10:48:15.9	6.77	-73.15	147	1.7	0.3	234	16	LOS SANTOS (SANTANDER)
220	Jul 6 2016	12:13:35.6	6.79	-73.13	143	2.0	0.4	239	18	LOS SANTOS (SANTANDER)
221	Jul 6 2016	12:49:18.8	6.14	-73.66	114	2.2	0.4	93	18	LA PAZ (SANTANDER)
222	Jul 6 2016	14:45: 3.2	6.80	-73.14	156	1.6	0.3	244	10	LOS SANTOS (SANTANDER)
223	Jul 6 2016	16:52: 8.3	6.82	-73.14	149	1.9	0.3	245	10	LOS SANTOS (SANTANDER)
224	Jul 6 2016	17:10:15.3	6.83	-73.17	143	1.4	0.2	243	7	ZAPATOCA (SANTANDER)
225	Jul 6 2016	17:36:51.7	6.69	-73.42	121	1.9	0.5	148	12	EL CARMEN (SANTANDER)
226	Jul 6 2016	18:39:15.6	6.76	-73.16	142	1.9	0.4	232	12	LOS SANTOS (SANTANDER)
227	Jul 6 2016	19:33:45.1	5.32	-73.76	150	2.0	0.4	164	18	UBATE (CUNDINAMARCA)
228	Jul 6 2016	20:31:24.5	6.78	-73.08	141	1.5	0.4	242	11	LOS SANTOS (SANTANDER)
229	Jul 6 2016	21:15:19.3	6.92	-73.09	145	1.5	0.4	252	8	PIEDRECUESTA (SANTANDER)
230	Jul 6 2016	21:32:36.0	5.84	-74.83	Sup	1.0	0.5	98	11	PUERTO TRIUNFO (ANTIOQUIA)
231	Jul 6 2016	21:34:21.7	6.72	-73.17	150	1.6	0.3	228	12	VILLANUEVA (SANTANDER)
232	Jul 6 2016	23:44:20.5	6.39	-73.74	97	1.5	0.5	78	11	SANTA HELENA DEL OPO (SANTANDER)
233	Jul 6 2016	23:50:12.3	7.15	-75.65	Sup	1.9	0.4	116	24	ITUANGO (ANTIOQUIA)
234	Jul 7 2016	00:01:40.6	8.57	-73.30	134	1.6	0.6	186	11	CONVENCION (N.SANTANDER)
235	Jul 7 2016	00:13:47.4	5.61	-74.07	102	1.4	0.5	134	12	SAN PABLO DE BORBUR (BOYACA)
236	Jul 7 2016	00:40: 5.5	6.82	-73.16	144	2.1	0.5	133	35	LOS SANTOS (SANTANDER)
237	Jul 7 2016	00:46:20.6	7.50	-74.19	69	1.4	0.4	152	13	SAN PABLO (BOLIVAR)
238	Jul 7 2016	01:54:41.8	4.70	-76.06	47	1.4	0.6	70	13	ARGELIA (VALLE)
239	Jul 7 2016	02:18:26.7	6.74	-73.36	118	1.4	0.4	176	11	ZAPATOCA (SANTANDER)
240	Jul 7 2016	02:26:29.7	5.90	-73.64	119	1.8	0.3	71	25	BARBOSA (SANTANDER)
241	Jul 7 2016	02:28:21.7	2.01	-76.74	Sup	1.3	0.3	97	11	LA VEGA (CAUCA)
242	Jul 7 2016	02:33: 6.7	6.79	-73.05	143	2.0	0.4	126	31	LOS SANTOS (SANTANDER)
243	Jul 7 2016	02:33: 6.7	6.79	-73.05	143	2.0	0.4	126	31	LOS SANTOS (SANTANDER)
244	Jul 7 2016	02:43:35.8	6.28	-75.74	29	2.1	0.5	80	33	EBEJICO (ANTIOQUIA)
245	Jul 7 2016	03:12:39.6	5.80	-73.11	Sup	1.0	0.6	238	9	PAIPA (BOYACA)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
246	Jul 7 2016	03:15:59.4	6.04	-73.43	142	1.5	0.4	98	20	CHITARAQUE (BOYACA)
247	Jul 7 2016	03:37:54.1	6.79	-73.16	144	2.1	0.4	118	33	LOS SANTOS (SANTANDER)
248	Jul 7 2016	04:12:52.6	6.81	-73.05	152	2.1	0.6	227	25	LOS SANTOS (SANTANDER)
249	Jul 7 2016	05:00:33.1	6.69	-73.19	152	1.4	0.2	224	12	VILLANUEVA (SANTANDER)
250	Jul 7 2016	05:29:31.6	4.88	-78.03	39	1.4	0.2	302	7	O. PACIFICO CENTRO
251	Jul 7 2016	05:35:21.8	6.78	-73.02	133	1.4	0.6	248	12	CEPITA (SANTANDER)
252	Jul 7 2016	06:09:25.4	5.29	-73.02	Sup	1.6	0.4	241	9	SAN EDUARDO (BOYACA)
253	Jul 7 2016	06:15:38.1	7.09	-76.29	Sup	1.4	0.4	276	8	DABEIBA (ANTIOQUIA)
254	Jul 7 2016	08:35:56.7	5.30	-74.06	113	1.5	0.4	121	18	SAN CAYETANO (CUNDINAMARCA)
255	Jul 7 2016	09:15: 6.1	5.52	-76.41	Sup	1.6	0.5	77	27	LORO (CHOCO)
256	Jul 7 2016	09:21:46.5	6.78	-73.35	121	1.8	0.5	185	13	ZAPATOCA (SANTANDER)
257	Jul 7 2016	09:28: 3.8	6.68	-73.17	148	1.6	0.2	237	12	VILLANUEVA (SANTANDER)
258	Jul 7 2016	09:45:41.8	6.80	-76.91	72	2.5	0.3	195	36	VIGIA DEL FUERTE (ANTIOQUIA)
259	Jul 7 2016	09:58:59.9	6.75	-73.20	140	1.5	0.5	226	13	ZAPATOCA (SANTANDER)
260	Jul 7 2016	10:18:14.4	5.92	-72.69	9	1.0	0.3	272	9	SOCHA (BOYACA)
261	Jul 7 2016	10:22: 5.7	6.80	-73.12	139	1.7	0.3	240	19	LOS SANTOS (SANTANDER)
262	Jul 7 2016	10:26:35.8	3.57	-74.17	Sup	1.7	0.4	144	21	LEJANIAS (META)
263	Jul 7 2016	12:06:59.2	6.76	-73.27	142	1.6	0.3	204	11	ZAPATOCA (SANTANDER)
264	Jul 7 2016	12:15:58.2	7.14	-76.99	17	2.2	0.8	81	23	MURINDO (ANTIOQUIA)
265	Jul 7 2016	14:37:36.3	7.74	-74.93	100	1.3	0.3	207	9	EL BAGRE (ANTIOQUIA)
266	Jul 7 2016	15:20:26.1	7.35	-73.38	134	1.4	0.3	317	7	SABANA DE TORRES (SANTANDER)
267	Jul 7 2016	15:50:10.8	6.37	-73.53	115	1.7	0.4	138	9	SANTA HELENA DEL OPO (SANTANDER)
268	Jul 7 2016	15:59:21.8	4.85	-74.74	Sup	1.6	0.5	85	27	BELTRAN (CUNDINAMARCA)
269	Jul 7 2016	16:01: 3.8	7.40	-76.67	Sup	2.0	0.5	102	16	CHIGORODO (ANTIOQUIA)
270	Jul 7 2016	16:06:16.6	5.31	-74.60	7	1.9	0.6	62	30	CAPARRAPI (CUNDINAMARCA)
271	Jul 7 2016	16:11: 5.7	5.41	-75.49	Sup	0.8	0.5	141	8	SALAMINA (CALDAS)
272	Jul 7 2016	16:24:52.9	6.72	-73.16	151	1.8	0.4	230	12	VILLANUEVA (SANTANDER)
273	Jul 7 2016	17:22:43.5	6.83	-73.09	144	1.8	0.5	282	12	LOS SANTOS (SANTANDER)
274	Jul 7 2016	19:56:52.7	6.72	-76.72	16	2.5	0.4	93	36	VIGIA DEL FUERTE (ANTIOQUIA)
275	Jul 7 2016	20:31:51.1	6.81	-73.09	154	2.1	0.6	142	30	LOS SANTOS (SANTANDER)
276	Jul 7 2016	20:50:48.7	6.71	-73.20	134	1.8	0.5	221	12	VILLANUEVA (SANTANDER)
277	Jul 7 2016	21:05:41.3	5.27	-73.76	146	2.3	0.5	129	36	CUCUNUBA (CUNDINAMARCA)
278	Jul 7 2016	21:57:11.8	5.86	-74.86	Sup	1.4	0.5	91	16	SAN LUIS (ANTIOQUIA)
279	Jul 7 2016	22:09: 4.0	6.76	-73.12	149	1.7	0.4	237	16	LOS SANTOS (SANTANDER)
280	Jul 7 2016	23:00:42.1	6.81	-73.15	146	3.2	0.4	53	57	LOS SANTOS (SANTANDER)
281	Jul 7 2016	23:31:45.5	6.84	-73.31	120	1.8	0.5	108	16	ZAPATOCA (SANTANDER)
282	Jul 7 2016	23:59:41.0	6.16	-74.16	22	2.0	0.6	94	26	CIMITARRA (SANTANDER)
283	Jul 8 2016	00:59: 3.8	6.69	-72.96	138	1.6	0.5	249	12	ARATOCA (SANTANDER)
284	Jul 8 2016	01:07:14.7	7.60	-73.20	140	1.8	0.5	158	11	EL PLAYON (SANTANDER)
285	Jul 8 2016	01:34:56.6	5.51	-72.64	Sup	2.2	0.6	116	26	LABRANZAGRANDE (BOYACA)
286	Jul 8 2016	02:55:28.5	7.44	-73.17	106	1.4	0.3	269	9	EL PLAYON (SANTANDER)
287	Jul 8 2016	03:43: 2.5	6.76	-73.11	142	2.1	0.5	123	36	LOS SANTOS (SANTANDER)
288	Jul 8 2016	06:15:50.5	6.79	-73.10	155	2.1	0.5	123	34	LOS SANTOS (SANTANDER)
289	Jul 8 2016	07:41:57.8	5.86	-74.37	70	1.3	0.3	85	14	PUERTO BOYACA (BOYACA)
290	Jul 8 2016	07:47:14.3	6.68	-73.54	100	1.4	0.5	228	8	EL CARMEN (SANTANDER)
291	Jul 8 2016	08:01: 3.8	0.85	-79.30	12	2.2	0.8	265	9	LA FRONTERA CON ECUADOR
292	Jul 8 2016	08:19:51.3	6.87	-73.14	135	1.9	0.6	247	20	LOS SANTOS (SANTANDER)
293	Jul 8 2016	08:23:19.4	5.59	-73.76	138	1.4	0.3	180	11	CHIQUINQUIRA (BOYACA)
294	Jul 8 2016	08:25:46.8	6.28	-76.91	27	2.0	0.3	98	18	BOJAYA (CHOCO)
295	Jul 8 2016	08:34:45.6	3.71	-76.76	63	1.7	0.3	118	14	DAGUA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
296	Jul 8 2016	10:20: 5.6	5.82	-76.03	65	1.2	0.2	219	10	CIUDAD BOLIVAR (ANTIOQUIA)
297	Jul 8 2016	12:31:51.8	4.92	-73.14	Sup	1.4	0.7	122	16	SAN LUIS DE GACENO (BOYACA)
298	Jul 8 2016	13:00:28.4	7.56	-75.29	48	1.8	0.2	151	9	CACERES (ANTIOQUIA)
299	Jul 8 2016	14:08: 5.4	8.31	-73.54	14	1.7	0.4	125	20	AGUACHICA (CESAR)
300	Jul 8 2016	15:14:31.7	6.46	-72.95	164	1.8	0.3	284	11	MOGOTES (SANTANDER)
301	Jul 8 2016	16:31:29.3	4.56	-77.26	Sup	2.1	0.5	160	20	LITORAL DEL SAN JUAN (CHOCO)
302	Jul 8 2016	17:05:54.2	6.28	-77.76	9	2.2	0.3	224	8	O. PACIFICO NORTE
303	Jul 8 2016	17:18:21.7	5.62	-74.46	Sup	3.1	0.8	57	42	YACOPI (CUNDINAMARCA)
304	Jul 8 2016	17:31:23.2	5.03	-76.29	96	1.5	0.3	196	14	SAN JOSE DEL PALMAR (CHOCO)
305	Jul 8 2016	18:16: 1.5	5.95	-77.24	Sup	1.6	0.4	191	10	NUQUI (CHOCO)
306	Jul 8 2016	18:26:35.9	6.81	-73.15	147	2.7	0.6	135	25	LOS SANTOS (SANTANDER)
307	Jul 8 2016	20:07:41.4	4.29	-76.77	Sup	1.7	0.4	156	10	SIPI (CHOCO)
308	Jul 8 2016	20:34:15.8	6.77	-73.21	146	1.5	0.2	143	10	ZAPATOCA (SANTANDER)
309	Jul 8 2016	22:02:17.6	7.22	-76.41	18	2.0	0.5	255	8	MUTATA (ANTIOQUIA)
310	Jul 9 2016	00:17:20.9	6.84	-73.14	142	2.8	0.6	111	52	LOS SANTOS (SANTANDER)
311	Jul 9 2016	00:31:29.3	6.73	-73.16	140	1.6	0.2	230	10	VILLANUEVA (SANTANDER)
312	Jul 9 2016	00:44:33.8	6.67	-73.14	151	1.3	0.2	228	7	VILLANUEVA (SANTANDER)
313	Jul 9 2016	01:17:18.2	6.81	-73.12	140	1.7	0.4	241	15	LOS SANTOS (SANTANDER)
314	Jul 9 2016	01:44: 9.1	6.87	-73.04	143	1.3	0.2	253	10	PIEDRECUESTA (SANTANDER)
315	Jul 9 2016	02:16:45.9	6.29	-73.52	109	0.8	0.3	152	10	CONTRATACION (SANTANDER)
316	Jul 9 2016	02:18: 7.3	6.25	-73.18	150	1.4	0.4	163	11	CHARALA (SANTANDER)
317	Jul 9 2016	02:23:23.2	6.79	-73.15	143	1.9	0.4	236	17	LOS SANTOS (SANTANDER)
318	Jul 9 2016	02:24:20.8	7.17	-76.02	Sup	2.1	0.5	172	16	PEQUE (ANTIOQUIA)
319	Jul 9 2016	02:32:33.3	2.43	-75.40	16	1.3	0.6	96	15	ALGECIRAS (HUILA)
320	Jul 9 2016	03:22:59.7	6.82	-73.11	151	1.6	0.4	212	21	LOS SANTOS (SANTANDER)
321	Jul 9 2016	03:48: 6.3	6.87	-73.06	149	1.8	0.5	73	25	PIEDRECUESTA (SANTANDER)
322	Jul 9 2016	04:49:45.0	2.47	-75.49	14	1.3	0.3	97	14	GIGANTE (HUILA)
323	Jul 9 2016	04:53:19.6	6.79	-73.15	151	1.5	0.3	208	16	LOS SANTOS (SANTANDER)
324	Jul 9 2016	05:02:23.0	6.59	-73.72	59	0.7	0.2	88	12	EL CARMEN (SANTANDER)
325	Jul 9 2016	06:00:39.3	6.80	-73.16	148	1.4	0.2	133	14	LOS SANTOS (SANTANDER)
326	Jul 9 2016	06:14: 4.0	4.36	-76.55	91	1.7	0.5	73	20	TRUJILLO (VALLE)
327	Jul 9 2016	07:10:28.5	6.79	-73.14	141	2.8	0.4	66	58	LOS SANTOS (SANTANDER)
328	Jul 9 2016	07:24: 9.7	7.02	-76.68	Sup	2.3	0.4	73	37	MURINDO (ANTIOQUIA)
329	Jul 9 2016	08:13:22.1	9.76	-74.60	45	2.1	0.3	131	22	PLATO (MAGDALENA)
330	Jul 9 2016	08:52:14.0	6.81	-73.15	143	2.2	0.4	72	37	LOS SANTOS (SANTANDER)
331	Jul 9 2016	09:02: 4.5	6.78	-73.13	133	1.6	0.3	237	12	LOS SANTOS (SANTANDER)
332	Jul 9 2016	09:09:18.9	6.54	-73.23	145	1.1	0.4	224	10	CABRERA (SANTANDER)
333	Jul 9 2016	12:19:36.0	8.72	-76.99	28	2.6	0.7	138	26	MAR CARIBE
<u>334</u>	<u>Jul 9 2016</u>	<u>12:55:51.2</u>	<u>6.54</u>	<u>-74.10</u>	<u>15</u>	<u>3.6*</u>	<u>0.4</u>	<u>47</u>	<u>74</u>	<u>PUERTO PARRA (SANTANDER)</u>
335	Jul 9 2016	18:36:39.2	1.81	-77.37	19	1.7	0.3	216	7	EL ROSARIO (NARINO)
336	Jul 9 2016	19:54:39.2	6.91	-73.12	141	1.8	0.2	212	16	PIEDRECUESTA (SANTANDER)
337	Jul 9 2016	20:30:25.1	6.56	-74.14	29	1.7	0.4	126	11	PUERTO PARRA (SANTANDER)
338	Jul 9 2016	21:22: 7.7	3.82	-74.89	Sup	2.3	0.7	102	43	PURIFICACION (TOLIMA)
339	Jul 9 2016	21:24:39.8	6.43	-73.58	112	1.6	0.4	140	10	SANTA HELENA DEL OPO (SANTANDER)
340	Jul 9 2016	21:46:46.7	6.80	-73.11	142	2.0	0.3	247	12	LOS SANTOS (SANTANDER)
341	Jul 10 2016	01:09:16.8	6.69	-73.21	156	1.5	0.3	221	9	VILLANUEVA (SANTANDER)
342	Jul 10 2016	01:23:57.1	6.74	-73.19	145	1.7	0.5	227	9	VILLANUEVA (SANTANDER)
343	Jul 10 2016	01:54:32.2	6.83	-73.15	138	1.9	0.5	244	17	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
344	Jul 10 2016	02:01:36.2	5.78	-73.83	111	1.3	0.3	271	10	ALBANIA (SANTANDER)
345	Jul 10 2016	02:17: 8.4	6.79	-73.14	148	2.1	0.5	120	31	LOS SANTOS (SANTANDER)
346	Jul 10 2016	02:35: 3.1	4.92	-76.19	104	1.2	0.1	120	6	SAN JOSE DEL PALMAR (CHOCO)
347	Jul 10 2016	03:02: 4.5	6.35	-78.41	32	2.6	0.8	155	36	O. PACIFICO NORTE
348	Jul 10 2016	03:22:51.8	7.23	-72.08	Sup	1.8	0.6	297	13	FRONTERA CON VENEZUELA
349	Jul 10 2016	03:41:16.2	6.95	-73.15	128	1.6	0.5	257	13	PIEDRECUESTA (SANTANDER)
350	Jul 10 2016	03:48:25.0	6.72	-73.15	150	1.3	0.4	249	8	JORDAN (SANTANDER)
351	Jul 10 2016	06:01:58.7	7.30	-71.95	10	2.1	0.3	256	14	FRONTERA CON VENEZUELA
352	Jul 10 2016	06:15:27.4	5.22	-75.94	Sup	1.4	0.4	156	14	BELEN DE UMBRIA (RISARALDA)
353	Jul 10 2016	06:34:49.4	8.24	-73.52	116	1.8	0.2	156	19	AGUACHICA (CESAR)
354	Jul 10 2016	07:14:23.1	6.95	-73.47	116	2.0	0.5	137	26	SAN VICENTE DE CHUCURI (SANTANDER)
355	Jul 10 2016	07:39: 7.8	3.84	-76.21	141	1.0	0.4	119	8	BUGA (VALLE)
356	Jul 10 2016	07:43:26.4	3.69	-74.11	Sup	2.6	0.5	105	49	LEJANIAS (META)
357	Jul 10 2016	07:58:19.2	6.80	-73.08	149	1.7	0.5	194	24	LOS SANTOS (SANTANDER)
358	Jul 10 2016	08:12:30.7	6.33	-76.75	15	1.5	0.4	228	11	BOJAYA (CHOCO)
359	Jul 10 2016	08:41:34.6	6.81	-73.14	146	2.1	0.4	135	28	LOS SANTOS (SANTANDER)
360	Jul 10 2016	08:58:36.0	7.97	-71.89	12	2.0	0.5	153	12	FRONTERA CON VENEZUELA
361	Jul 10 2016	09:01:40.4	6.77	-73.14	135	1.5	0.4	276	13	LOS SANTOS (SANTANDER)
362	Jul 10 2016	09:08:50.1	10.76	-73.71	20	2.1	0.3	181	16	PUEBLO BELLO (CESAR)
363	Jul 10 2016	09:10:51.8	7.13	-76.21	Sup	1.8	0.4	226	17	DABEIBA (ANTIOQUIA)
364	Jul 10 2016	10:10:10.0	7.17	-73.06	157	1.3	0.1	272	8	BUCARAMANGA (SANTANDER)
365	Jul 10 2016	10:59:23.0	4.86	-76.15	118	1.6	0.5	116	20	EL CAIRO (VALLE)
366	Jul 10 2016	11:10:57.3	4.20	-75.53	Sup	0.7	0.3	128	8	RONCESVALLES (TOLIMA)
367	Jul 10 2016	11:52:44.1	6.74	-73.19	151	1.5	0.3	228	12	VILLANUEVA (SANTANDER)
368	Jul 10 2016	12:21: 1.8	6.26	-73.80	111	0.9	0.3	176	7	LANDAZURI (SANTANDER)
369	Jul 10 2016	13:33:57.5	3.87	-76.32	117	1.7	0.2	153	10	BUGA (VALLE)
370	Jul 10 2016	14:14:49.3	6.80	-73.15	146	1.8	0.3	237	18	LOS SANTOS (SANTANDER)
371	Jul 10 2016	14:38: 1.3	6.72	-73.21	143	1.1	0.1	217	8	VILLANUEVA (SANTANDER)
372	Jul 10 2016	14:42:20.5	6.77	-73.16	147	1.5	0.4	234	14	LOS SANTOS (SANTANDER)
373	Jul 10 2016	14:54: 0.6	6.80	-73.14	138	2.5	0.5	108	34	LOS SANTOS (SANTANDER)
374	Jul 10 2016	15:36:34.7	6.73	-73.20	150	1.7	0.3	224	10	VILLANUEVA (SANTANDER)
375	Jul 10 2016	16:16:16.0	6.72	-73.18	147	1.5	0.5	228	10	VILLANUEVA (SANTANDER)
376	Jul 10 2016	16:17:36.1	6.79	-73.13	150	1.9	0.4	138	17	LOS SANTOS (SANTANDER)
377	Jul 10 2016	17:45: 1.3	6.78	-73.13	143	2.6	0.4	98	37	LOS SANTOS (SANTANDER)
378	Jul 10 2016	17:50:37.7	6.70	-73.18	146	1.6	0.4	225	8	VILLANUEVA (SANTANDER)
379	Jul 10 2016	19:04:54.6	2.16	-76.06	Sup	1.4	0.4	158	9	LA ARGENTINA (HUILA)
380	Jul 10 2016	19:21:50.8	6.80	-73.12	147	2.8	0.5	72	41	LOS SANTOS (SANTANDER)
381	Jul 10 2016	20:12:43.4	5.69	-75.86	Sup	1.2	0.4	112	12	ANDES (ANTIOQUIA)
382	Jul 10 2016	20:15:53.8	6.76	-73.15	145	1.5	0.4	234	10	LOS SANTOS (SANTANDER)
383	Jul 10 2016	20:46:13.5	6.80	-73.22	144	1.3	0.1	271	8	ZAPATOCA (SANTANDER)
384	Jul 10 2016	21:14:55.3	6.31	-76.81	Sup	2.1	0.6	125	20	BOJAYA (CHOCO)
385	Jul 10 2016	21:58:54.6	6.75	-73.16	146	1.6	0.5	231	9	LOS SANTOS (SANTANDER)
386	Jul 10 2016	23:05:29.2	5.96	-72.67	Sup	1.4	0.5	202	13	SOCHA (BOYACA)
387	Jul 11 2016	00:09:37.0	0.53	-77.32	7	2.2	0.5	150	17	POTOSI (NARINO)
<u>388</u>	<u>Jul 11 2016</u>	<u>00:50:39.2</u>	<u>3.72</u>	<u>-76.84</u>	<u>105</u>	<u>3.7*</u>	<u>0.6</u>	<u>96</u>	<u>67</u>	<u>DAGUA (VALLE)</u>
389	Jul 11 2016	01:20:23.2	6.84	-73.12	141	2.0	0.6	212	24	LOS SANTOS (SANTANDER)
390	Jul 11 2016	02:30:18.9	6.49	-73.56	20	2.3	0.5	128	27	SANTA HELENA DEL OPO (SANTANDER)
391	Jul 11 2016	03:10: 6.3	6.50	-73.36	128	1.3	0.3	94	12	SIMACOTA (SANTANDER)
392	Jul 11 2016	03:40:16.6	6.77	-73.14	147	1.2	0.3	235	10	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
393	Jul 11 2016	03:57:38.0	6.85	-73.17	147	1.3	0.3	278	8	ZAPATOCA (SANTANDER)
394	Jul 11 2016	04:54:44.3	3.16	-73.51	Sup	1.3	0.4	207	9	PUERTO LLERAS (META)
395	Jul 11 2016	05:06:54.5	7.07	-76.21	Sup	1.4	0.3	235	10	DABEIBA (ANTIOQUIA)
396	Jul 11 2016	05:11:28.4	6.92	-73.10	130	2.0	0.4	214	22	PIEDRECUESTA (SANTANDER)
397	Jul 11 2016	05:33:58.4	7.08	-76.14	Sup	2.2	0.5	229	16	DABEIBA (ANTIOQUIA)
398	Jul 11 2016	05:37:55.3	6.84	-73.15	142	2.4	0.5	245	30	LOS SANTOS (SANTANDER)
399	Jul 11 2016	05:46:48.8	7.10	-76.27	Sup	1.6	0.5	240	11	DABEIBA (ANTIOQUIA)
400	Jul 11 2016	05:50:45.6	6.75	-73.18	146	1.5	0.4	229	12	VILLANUEVA (SANTANDER)
401	Jul 11 2016	06:35:16.1	7.08	-76.19	Sup	1.2	0.4	215	11	DABEIBA (ANTIOQUIA)
402	Jul 11 2016	06:56:16.2	6.81	-73.16	143	1.6	0.3	242	12	LOS SANTOS (SANTANDER)
403	Jul 11 2016	07:32: 4.0	2.03	-75.93	Sup	1.0	0.2	155	8	ELIAS (HUILA)
404	Jul 11 2016	07:53:26.2	6.91	-76.19	Sup	1.2	0.3	181	10	URAMITA (ANTIOQUIA)
405	Jul 11 2016	08:30: 5.4	5.88	-72.61	Sup	1.1	0.6	205	12	SOCHA (BOYACA)
406	Jul 11 2016	09:11:38.4	6.81	-73.17	147	1.5	0.2	243	8	LOS SANTOS (SANTANDER)
407	Jul 11 2016	09:15:40.0	7.60	-74.80	40	2.9	0.7	175	36	EL BAGRE (ANTIOQUIA)
408	Jul 11 2016	09:21: 2.0	2.42	-75.60	15	1.5	0.4	80	13	GIGANTE (HUILA)
409	Jul 11 2016	09:52:23.5	4.15	-76.87	42	1.3	0.1	145	8	BUENAVENTURA (VALLE)
410	Jul 11 2016	10:58: 3.1	6.78	-73.16	150	1.9	0.3	135	17	LOS SANTOS (SANTANDER)
411	Jul 11 2016	11:23:34.1	6.81	-73.14	151	3.6	0.6	71	69	LOS SANTOS (SANTANDER)
412	Jul 11 2016	11:39:18.1	6.82	-76.80	Sup	1.8	0.5	276	14	MURINDO (ANTIOQUIA)
413	Jul 11 2016	12:15:47.5	2.36	-75.55	Sup	2.4	0.5	65	34	GIGANTE (HUILA)
414	Jul 11 2016	12:41:48.6	4.76	-76.19	94	1.8	0.5	138	12	EL CAIRO (VALLE)
415	Jul 11 2016	13:00:36.5	6.78	-73.11	140	1.6	0.3	142	9	LOS SANTOS (SANTANDER)
416	Jul 11 2016	14:21:13.1	4.11	-76.69	62	1.7	0.3	277	10	CALIMA (VALLE)
417	Jul 11 2016	15:25: 3.3	6.81	-73.12	150	3.6	0.5	54	70	LOS SANTOS (SANTANDER)
418	Jul 11 2016	16:40:40.6	6.81	-73.13	142	2.0	0.3	138	18	LOS SANTOS (SANTANDER)
419	Jul 11 2016	17:58: 1.3	6.82	-73.04	141	1.5	0.1	250	7	LOS SANTOS (SANTANDER)
420	Jul 11 2016	18:05:21.6	4.47	-75.80	23	1.3	0.3	137	8	LA TEBAIDA (QUINDIO)
421	Jul 11 2016	18:07:40.5	6.80	-73.10	144	2.2	0.3	242	12	LOS SANTOS (SANTANDER)
422	Jul 11 2016	18:48:17.6	6.82	-73.13	148	2.2	0.2	246	14	LOS SANTOS (SANTANDER)
423	Jul 11 2016	19:43:54.1	5.41	-77.88	36	1.8	0.3	304	8	O. PACIFICO CENTRO
424	Jul 11 2016	19:48: 4.5	6.77	-73.13	141	3.5	0.7	73	35	LOS SANTOS (SANTANDER)
425	Jul 11 2016	20:03:23.2	6.92	-73.28	118	2.2	0.3	229	22	BETULIA (SANTANDER)
426	Jul 11 2016	20:15:34.8	6.64	-73.33	133	1.9	0.3	149	12	GALAN (SANTANDER)
427	Jul 11 2016	20:39:56.6	6.87	-73.28	124	2.4	0.5	113	27	BETULIA (SANTANDER)
428	Jul 11 2016	21:25:43.2	6.72	-73.20	148	1.8	0.4	224	10	VILLANUEVA (SANTANDER)
429	Jul 11 2016	21:32:55.8	6.79	-73.12	142	2.7	0.4	100	44	LOS SANTOS (SANTANDER)
430	Jul 11 2016	22:11:48.9	6.82	-73.16	152	3.1	0.4	69	51	LOS SANTOS (SANTANDER)
431	Jul 11 2016	22:34: 3.6	5.59	-77.61	22	1.9	0.4	283	12	O. PACIFICO CENTRO
432	Jul 12 2016	01:03: 8.1	7.04	-76.65	Sup	2.3	0.4	95	36	MURINDO (ANTIOQUIA)
433	Jul 12 2016	01:17:31.5	6.77	-73.13	152	1.8	0.4	237	18	LOS SANTOS (SANTANDER)
434	Jul 12 2016	01:50:36.1	4.79	-75.91	71	1.2	0.2	126	8	CARTAGO (VALLE)
435	Jul 12 2016	01:59:25.9	6.96	-73.18	119	1.4	0.4	247	8	GIRON (SANTANDER)
436	Jul 12 2016	02:08: 1.2	3.96	-76.15	141	1.2	0.4	109	8	SAN PEDRO (VALLE)
437	Jul 12 2016	02:33:53.9	5.30	-73.79	152	1.5	0.4	164	14	UBATE (CUNDINAMARCA)
438	Jul 12 2016	03:19:59.4	6.79	-73.10	144	1.4	0.5	241	12	LOS SANTOS (SANTANDER)
439	Jul 12 2016	03:42:55.1	4.36	-75.12	18	0.9	0.3	121	8	IBAGUE (TOLIMA)
440	Jul 12 2016	04:02:26.4	6.79	-73.14	149	1.4	0.5	251	10	LOS SANTOS (SANTANDER)
441	Jul 12 2016	04:53:15.4	7.38	-73.31	106	1.1	0.7	256	8	EL PLAYON (SANTANDER)
442	Jul 12 2016	05:01: 3.0	6.04	-74.02	85	0.9	0.2	140	8	LA BELLEZA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
443	Jul 12 2016	05:10:45.2	6.79	-73.13	146	1.7	0.4	238	16	LOS SANTOS (SANTANDER)
444	Jul 12 2016	05:59:52.2	4.70	-76.13	40	0.8	0.5	128	8	ARGELIA (VALLE)
445	Jul 12 2016	07:09:47.7	6.43	-73.53	108	1.0	0.3	212	8	SANTA HELENA DEL OPOON (SANTANDER)
446	Jul 12 2016	07:19:30.9	6.74	-73.10	146	1.5	0.4	237	12	JORDAN (SANTANDER)
447	Jul 12 2016	07:20:22.0	8.51	-74.03	8	1.3	0.4	273	9	ARENAL (BOLIVAR)
448	Jul 12 2016	07:45: 1.1	6.76	-73.16	149	1.6	0.5	233	12	LOS SANTOS (SANTANDER)
449	Jul 12 2016	07:58:56.5	6.81	-73.14	148	1.7	0.3	244	12	LOS SANTOS (SANTANDER)
450	Jul 12 2016	08:15:47.7	6.76	-73.11	145	1.4	0.4	238	10	LOS SANTOS (SANTANDER)
451	Jul 12 2016	09:19:47.0	6.83	-73.15	142	1.1	0.3	244	10	LOS SANTOS (SANTANDER)
452	Jul 12 2016	09:24:22.8	3.51	-76.49	136	2.3	0.4	170	20	YUMBO (VALLE)
453	Jul 12 2016	09:53:48.1	6.78	-73.14	148	1.7	0.5	237	14	LOS SANTOS (SANTANDER)
454	Jul 12 2016	10:09: 1.7	10.02	-73.21	9	2.3	0.4	173	16	AGUSTIN CODAZZI (CESAR)
455	Jul 12 2016	10:46:52.0	6.83	-73.15	151	2.8	0.5	69	50	LOS SANTOS (SANTANDER)
456	Jul 12 2016	11:21:31.5	4.46	-75.69	Sup	1.4	0.4	101	11	ARMENIA (QUINDIO)
457	Jul 12 2016	12:25: 0.6	6.67	-73.15	146	1.6	0.3	227	9	VILLANUEVA (SANTANDER)
458	Jul 12 2016	12:44:38.7	6.82	-73.13	145	2.3	0.5	91	30	LOS SANTOS (SANTANDER)
459	Jul 12 2016	12:44:38.7	6.82	-73.13	145	2.3	0.5	91	30	LOS SANTOS (SANTANDER)
460	Jul 12 2016	12:47:21.4	6.79	-73.13	147	1.5	0.5	120	11	LOS SANTOS (SANTANDER)
461	Jul 12 2016	14:18: 1.6	6.09	-73.68	114	1.9	0.5	85	20	CHIPATA (SANTANDER)
462	Jul 12 2016	14:45:29.8	6.84	-73.35	124	2.9	0.4	55	29	SAN VICENTE DE CHUCURI (SANTANDER)
463	Jul 12 2016	14:53: 6.5	6.73	-71.69	22	2.1	0.4	161	8	FORTUL (ARAUCA)
464	Jul 12 2016	15:21: 0.2	5.11	-78.11	39	2.3	0.2	308	12	O. PACIFICO CENTRO
465	Jul 12 2016	15:37:18.8	6.82	-73.15	148	1.9	0.3	244	12	LOS SANTOS (SANTANDER)
466	Jul 12 2016	16:51:33.9	7.07	-74.75	10	1.5	0.6	165	8	SEGOVIA (ANTIOQUIA)
467	Jul 12 2016	18:32:13.6	6.83	-73.16	146	2.0	0.3	243	12	LOS SANTOS (SANTANDER)
468	Jul 12 2016	20:18:34.3	6.79	-76.61	Sup	2.9	0.7	139	44	MURINDO (ANTIOQUIA)
469	Jul 12 2016	21:12:21.0	5.76	-74.07	12	0.9	0.5	108	8	SAN PABLO DE BORBUR (BOYACA)
470	Jul 12 2016	21:25:37.4	6.79	-73.15	153	2.0	0.4	136	21	LOS SANTOS (SANTANDER)
471	Jul 12 2016	23:07:47.0	6.82	-73.36	123	1.3	0.3	192	8	SAN VICENTE DE CHUCURI (SANTANDER)
472	Jul 12 2016	23:19: 3.4	6.61	-73.63	97	2.1	0.5	61	31	EL CARMEN (SANTANDER)
473	Jul 12 2016	23:32: 8.2	6.79	-73.09	143	2.3	0.4	123	28	LOS SANTOS (SANTANDER)
474	Jul 12 2016	23:49: 1.7	6.79	-73.12	146	3.6	0.5	54	70	LOS SANTOS (SANTANDER)
475	Jul 13 2016	00:11:28.0	4.06	-76.20	132	1.4	0.5	115	12	TULUA (VALLE)
476	Jul 13 2016	01:40:47.5	6.79	-73.08	153	2.2	0.5	104	43	LOS SANTOS (SANTANDER)
477	Jul 13 2016	02:15:44.2	5.27	-73.75	151	4.1*	0.5	64	81	CUCUNUBA (CUNDINAMARCA)
478	Jul 13 2016	02:28:52.1	6.76	-73.17	142	1.7	0.3	231	14	LOS SANTOS (SANTANDER)
479	Jul 13 2016	03:15: 5.4	6.82	-73.10	147	1.9	0.5	122	26	LOS SANTOS (SANTANDER)
480	Jul 13 2016	03:56:11.8	6.78	-73.11	150	1.1	0.2	239	9	LOS SANTOS (SANTANDER)
481	Jul 13 2016	04:29:58.2	2.95	-74.00	Sup	2.2	0.4	211	12	VISTAHERMOSA (META)
482	Jul 13 2016	04:43:56.7	6.82	-73.13	150	2.6	0.5	53	45	LOS SANTOS (SANTANDER)
483	Jul 13 2016	05:13:39.9	5.05	-76.62	65	1.5	0.4	232	12	CONDOTO (CHOCO)
484	Jul 13 2016	06:20:18.6	6.81	-73.14	151	1.6	0.4	239	11	LOS SANTOS (SANTANDER)
485	Jul 13 2016	06:59:42.7	6.77	-73.29	151	1.3	0.5	267	7	ZAPATOCA (SANTANDER)
486	Jul 13 2016	07:22:58.1	6.80	-73.13	148	2.1	0.4	102	32	LOS SANTOS (SANTANDER)
487	Jul 13 2016	07:35:44.2	7.67	-77.49	Sup	2.3	0.2	92	11	RIOSUCIO (CHOCO)
488	Jul 13 2016	08:49:41.8	6.77	-73.16	147	1.7	0.3	233	16	LOS SANTOS (SANTANDER)
489	Jul 13 2016	09:04:53.6	6.74	-73.14	154	1.5	0.4	233	9	LOS SANTOS (SANTANDER)
490	Jul 13 2016	09:14:31.5	7.29	-74.00	12	1.2	0.6	199	9	PUERTO WILCHES (SANTANDER)
491	Jul 13 2016	09:53:44.0	6.79	-73.16	144	1.5	0.4	234	12	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
492	Jul 13 2016	10:02:24.7	6.77	-73.07	140	1.2	0.3	280	8	LOS SANTOS (SANTANDER)
493	Jul 13 2016	10:18:14.3	6.80	-73.15	147	1.9	0.4	237	18	LOS SANTOS (SANTANDER)
494	Jul 13 2016	10:22:50.5	6.26	-75.41	128	1.4	0.6	162	7	GUARNE (ANTIOQUIA)
<u>495</u>	<u>Jul 13 2016</u>	<u>10:33:26.3</u>	<u>6.79</u>	<u>-73.14</u>	<u>141</u>	<u>4.3*</u>	<u>0.5</u>	<u>72</u>	<u>68</u>	<u>LOS SANTOS (SANTANDER)</u>
496	Jul 13 2016	12:45:52.5	4.30	-75.96	Sup	1.4	0.3	111	8	SEVILLA (VALLE)
497	Jul 13 2016	13:13:33.1	5.90	-74.06	95	1.3	0.1	213	6	LA BELLEZA (SANTANDER)
498	Jul 13 2016	15:55:56.5	6.31	-73.68	115	1.1	0.1	135	7	SANTA HELENA DEL OPON (SANTANDER)
499	Jul 13 2016	17:03:10.6	6.74	-73.12	143	1.9	0.3	141	16	LOS SANTOS (SANTANDER)
500	Jul 13 2016	18:54:39.2	6.77	-73.17	145	1.8	0.2	134	11	LOS SANTOS (SANTANDER)
501	Jul 13 2016	18:56:15.8	6.80	-73.16	144	1.5	0.3	134	9	LOS SANTOS (SANTANDER)
502	Jul 13 2016	18:56:15.8	6.80	-73.16	144	1.5	0.3	134	9	LOS SANTOS (SANTANDER)
503	Jul 13 2016	20:21:40.8	6.76	-73.15	148	1.5	0.3	137	10	LOS SANTOS (SANTANDER)
504	Jul 13 2016	21:10:13.8	6.92	-75.94	Sup	1.9	0.4	202	8	PEQUE (ANTIOQUIA)
505	Jul 13 2016	21:11:17.4	6.81	-73.14	151	2.4	0.5	136	33	LOS SANTOS (SANTANDER)
506	Jul 13 2016	21:49:46.2	6.07	-73.84	117	1.3	0.3	140	8	EL PENON (SANTANDER)
507	Jul 13 2016	22:04: 5.7	6.29	-73.42	133	1.5	0.3	104	14	CONTRATACION (SANTANDER)
508	Jul 13 2016	22:22: 6.2	6.56	-73.77	89	1.4	0.2	136	7	SANTA HELENA DEL OPON (SANTANDER)
509	Jul 13 2016	22:29:49.4	6.83	-73.29	130	1.7	0.4	106	14	ZAPATOCA (SANTANDER)
510	Jul 13 2016	23:38:27.9	6.79	-73.15	149	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
511	Jul 14 2016	00:02:23.5	6.68	-73.21	145	1.2	0.5	220	7	VILLANUEVA (SANTANDER)
512	Jul 14 2016	00:04:50.4	6.63	-73.67	101	1.2	0.5	99	9	EL CARMEN (SANTANDER)
513	Jul 14 2016	00:08:16.8	6.76	-73.17	155	1.0	0.2	232	7	LOS SANTOS (SANTANDER)
514	Jul 14 2016	00:23:26.6	6.88	-73.24	120	2.0	0.4	117	24	BETULIA (SANTANDER)
515	Jul 14 2016	01:01: 0.9	6.78	-73.13	145	1.5	0.5	139	11	LOS SANTOS (SANTANDER)
516	Jul 14 2016	01:17:59.8	7.67	-73.25	131	1.2	0.2	217	7	LA ESPERANZA (N.SANTANDER)
517	Jul 14 2016	03:09:39.4	6.78	-73.13	148	3.1	0.4	54	63	LOS SANTOS (SANTANDER)
518	Jul 14 2016	04:05: 4.1	1.98	-75.81	Sup	1.5	0.7	144	8	SUAZA (HUILA)
519	Jul 14 2016	04:35:34.5	6.80	-73.13	150	2.0	0.4	138	28	LOS SANTOS (SANTANDER)
520	Jul 14 2016	05:35:36.9	6.35	-73.48	120	1.3	0.5	87	13	CONTRATACION (SANTANDER)
521	Jul 14 2016	05:43:35.8	2.92	-74.89	Sup	1.3	0.5	126	20	BARAYA (HUILA)
522	Jul 14 2016	06:18:30.0	6.76	-73.21	156	1.2	0.4	225	10	ZAPATOCA (SANTANDER)
523	Jul 14 2016	06:31:54.4	6.85	-73.13	143	2.4	0.6	70	46	LOS SANTOS (SANTANDER)
524	Jul 14 2016	06:40:41.4	7.07	-76.21	Sup	1.1	0.4	262	7	DABEIBA (ANTIOQUIA)
525	Jul 14 2016	07:00:20.2	6.10	-73.76	115	1.2	0.5	164	9	EL PENON (SANTANDER)
526	Jul 14 2016	07:16:11.2	7.00	-76.29	Sup	1.0	0.3	240	7	DABEIBA (ANTIOQUIA)
527	Jul 14 2016	07:24:49.2	6.70	-75.58	Sup	1.8	0.5	156	23	BELMIRA (ANTIOQUIA)
528	Jul 14 2016	07:41:19.9	6.80	-73.13	145	2.1	0.4	120	34	LOS SANTOS (SANTANDER)
529	Jul 14 2016	07:58:49.6	6.76	-73.19	150	1.2	0.3	229	8	LOS SANTOS (SANTANDER)
530	Jul 14 2016	08:10:21.1	4.37	-76.23	106	1.3	0.4	158	10	BOLIVAR (VALLE)
531	Jul 14 2016	08:39: 9.7	7.21	-76.13	Sup	1.0	0.4	207	10	DABEIBA (ANTIOQUIA)
532	Jul 14 2016	09:11:43.3	6.79	-73.10	134	1.2	0.5	247	10	LOS SANTOS (SANTANDER)
533	Jul 14 2016	10:28: 8.7	7.33	-78.15	24	2.3	0.5	158	18	O. PACIFICO PANAMA
534	Jul 14 2016	10:45:10.1	6.80	-73.14	148	2.4	0.4	119	34	LOS SANTOS (SANTANDER)
<u>535</u>	<u>Jul 14 2016</u>	<u>10:47:35.2</u>	<u>11.44</u>	<u>-72.26</u>	<u>7</u>	<u>3.7*</u>	<u>0.4</u>	<u>144</u>	<u>55</u>	<u>MAICAO (LA GUAJIRA)</u>
536	Jul 14 2016	12:27:28.6	4.14	-76.73	54	1.6	0.1	278	8	CALIMA (VALLE)
537	Jul 14 2016	12:36:51.3	2.12	-76.04	Sup	1.6	0.8	121	13	LA ARGENTINA (HUILA)
538	Jul 14 2016	13:29:35.7	5.27	-73.74	149	2.1	0.5	132	24	CUCUNUBA (CUNDINAMARCA)
539	Jul 14 2016	15:16:16.9	6.78	-73.91	21	2.0	0.3	109	12	PUERTO PARRA (SANTANDER)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
540	Jul 14 2016	15:27: 7.9	5.63	-74.02	116	2.9	0.4	53	46	SAN PABLO DE BORBUR (BOYACA)
541	Jul 14 2016	17:36:36.9	6.79	-73.14	144	3.0	0.4	72	44	LOS SANTOS (SANTANDER)
542	Jul 14 2016	17:58:46.6	6.80	-73.18	141	1.7	0.4	144	13	ZAPATOCA (SANTANDER)
543	Jul 14 2016	18:49:17.8	6.82	-73.18	145	2.0	0.3	131	24	ZAPATOCA (SANTANDER)
544	Jul 14 2016	20:23:46.4	11.24	-73.94	Sup	2.4	0.3	183	10	PUEBLO BELLO (CESAR)
545	Jul 14 2016	20:29:49.1	6.85	-73.04	150	2.1	0.4	143	34	LOS SANTOS (SANTANDER)
546	Jul 14 2016	20:32:48.8	6.75	-73.06	141	2.2	0.5	128	36	LOS SANTOS (SANTANDER)
547	Jul 14 2016	20:44:35.1	5.67	-73.99	111	1.5	0.5	128	17	PAUNA (BOYACA)
548	Jul 14 2016	21:34:35.3	5.90	-74.88	Sup	1.4	0.4	178	11	SAN LUIS (ANTIOQUIA)
549	Jul 14 2016	22:38:52.5	3.78	-75.92	19	1.1	0.3	117	10	GINEBRA (VALLE)
550	Jul 14 2016	22:43:36.9	6.81	-73.17	145	1.3	0.2	144	8	LOS SANTOS (SANTANDER)
551	Jul 14 2016	23:34:58.5	6.79	-73.15	141	1.5	0.3	136	14	LOS SANTOS (SANTANDER)
552	Jul 15 2016	00:53:18.6	7.58	-73.53	106	1.4	0.4	142	14	SABANA DE TORRES (SANTANDER)
553	Jul 15 2016	01:42: 4.1	2.93	-76.09	Sup	1.3	0.1	110	10	TORIBIO (CAUCA)
554	Jul 15 2016	01:59:42.0	6.79	-73.16	140	1.8	0.3	134	29	LOS SANTOS (SANTANDER)
555	Jul 15 2016	02:04:37.3	3.48	-74.30	19	1.1	0.4	134	9	URIBE (META)
556	Jul 15 2016	02:14:50.1	7.08	-71.90	16	2.0	0.3	129	18	FRONTERA CON VENEZUELA
557	Jul 15 2016	02:51:31.3	3.64	-74.08	Sup	1.4	0.5	151	14	LEJANIAS (META)
558	Jul 15 2016	03:07:22.7	2.92	-78.06	8	1.8	0.3	149	10	O. PACIFICO SUR
559	Jul 15 2016	03:07:23.2	2.94	-78.01	Sup	1.6	0.3	260	10	O. PACIFICO SUR
560	Jul 15 2016	03:12:20.3	2.91	-78.04	Sup	2.3	0.3	149	22	O. PACIFICO SUR
561	Jul 15 2016	03:35: 2.2	2.94	-78.05	8	1.6	0.2	168	8	O. PACIFICO SUR
562	Jul 15 2016	03:41:58.6	2.91	-78.05	6	1.8	0.5	154	12	O. PACIFICO SUR
563	Jul 15 2016	04:23:27.2	4.31	-75.05	Sup	1.3	0.2	128	14	VALLE DE SAN JUAN (TOLIMA)
564	Jul 15 2016	05:31:54.9	7.20	-73.34	106	1.5	0.4	245	12	LEBRIJA (SANTANDER)
565	Jul 15 2016	06:36:35.0	6.79	-73.14	142	2.2	0.5	137	30	LOS SANTOS (SANTANDER)
566	Jul 15 2016	06:49:59.0	2.94	-78.03	Sup	1.5	0.5	173	10	O. PACIFICO SUR
567	Jul 15 2016	07:00: 8.8	6.77	-73.12	142	1.6	0.3	140	16	LOS SANTOS (SANTANDER)
568	Jul 15 2016	07:39:30.9	6.80	-73.13	155	1.4	0.3	239	13	LOS SANTOS (SANTANDER)
569	Jul 15 2016	07:50:58.5	6.77	-73.11	140	1.1	0.4	142	10	LOS SANTOS (SANTANDER)
570	Jul 15 2016	08:13:34.7	6.81	-73.16	147	2.9	0.5	70	47	LOS SANTOS (SANTANDER)
571	Jul 15 2016	08:25: 8.4	2.78	-74.95	Sup	2.4	0.6	86	42	RIVERA (HUILA)
572	Jul 15 2016	08:35:26.4	6.89	-76.70	Sup	2.1	0.4	136	22	MURINDO (ANTIOQUIA)
573	Jul 15 2016	09:09:11.1	0.01	-77.12	Sup	2.0	0.6	185	10	LA FRONTERA CON ECUADOR
574	Jul 15 2016	10:00:43.4	2.91	-78.04	Sup	2.7	0.5	97	30	GUAPI (CAUCA)
575	Jul 15 2016	10:23:37.3	5.21	-74.51	23	1.3	0.3	149	13	UTICA (CUNDINAMARCA)
576	Jul 15 2016	10:54:55.7	2.47	-75.57	Sup	1.8	0.4	148	14	GIGANTE (HUILA)
577	Jul 15 2016	11:44:59.2	6.60	-74.63	Sup	1.0	0.4	124	9	MACEO (ANTIOQUIA)
578	Jul 15 2016	12:06:25.6	2.48	-75.97	Sup	2.3	0.4	72	23	INZA (CAUCA)
579	Jul 15 2016	15:41:39.2	6.54	-73.57	102	1.6	0.5	96	11	EL CARMEN (SANTANDER)
580	Jul 15 2016	15:44:59.1	6.70	-73.18	153	1.5	0.2	237	8	VILLANUEVA (SANTANDER)
581	Jul 15 2016	15:52:29.3	6.97	-73.14	156	1.3	0.2	250	8	GIRON (SANTANDER)
582	Jul 15 2016	16:30: 2.5	6.78	-73.18	147	1.6	0.3	241	10	LOS SANTOS (SANTANDER)
583	Jul 15 2016	16:52:53.3	6.80	-73.14	148	1.8	0.3	119	14	LOS SANTOS (SANTANDER)
584	Jul 15 2016	17:49: 9.1	3.92	-76.77	23	2.9*	0.5	145	41	RESTREPO (VALLE)
585	Jul 15 2016	18:01:29.8	3.89	-76.36	115	1.5	0.2	179	8	YOTOCO (VALLE)
586	Jul 15 2016	18:12:47.6	2.84	-74.81	8	2.3	0.3	94	18	BARAYA (HUILA)
587	Jul 15 2016	18:42:22.9	6.12	-73.77	84	1.2	0.1	193	8	EL PENON (SANTANDER)
588	Jul 15 2016	19:53: 3.3	3.48	-74.43	22	1.4	0.2	247	7	URIBE (META)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
589	Jul 15 2016	20:06:35.8	7.89	-75.15	18	1.6	0.3	230	10	CAUCASIA (ANTIOQUIA)
590	Jul 15 2016	21:00:50.3	6.76	-73.18	151	1.6	0.3	133	15	LOS SANTOS (SANTANDER)
591	Jul 15 2016	21:06:24.4	5.71	-73.77	132	1.2	0.3	103	14	SABOYA (BOYACA)
592	Jul 15 2016	21:52:51.6	6.80	-73.11	148	2.3	0.5	100	34	LOS SANTOS (SANTANDER)
593	Jul 15 2016	22:53:41.9	6.65	-73.25	146	1.2	0.3	178	10	GALAN (SANTANDER)
594	Jul 15 2016	22:57:18.6	3.33	-74.69	Sup	1.7	0.4	107	26	COLOMBIA (HUILA)
595	Jul 15 2016	23:22:28.9	2.70	-75.01	9	1.5	0.3	109	12	RIVERA (HUILA)
596	Jul 15 2016	23:35:55.9	4.38	-76.68	84	1.5	0.2	278	8	SIPI (CHOCO)
597	Jul 16 2016	00:35:12.5	4.98	-76.60	59	2.2	0.4	113	32	NOVITA (CHOCO)
598	Jul 16 2016	00:49:10.5	6.54	-73.56	112	1.1	0.5	97	11	EL CARMEN (SANTANDER)
599	Jul 16 2016	01:00: 1.0	6.77	-73.10	145	2.3	0.3	123	26	LOS SANTOS (SANTANDER)
600	Jul 16 2016	01:38:32.7	6.69	-73.20	152	1.3	0.4	222	7	VILLANUEVA (SANTANDER)
601	Jul 16 2016	01:49:49.3	6.78	-73.14	148	2.8	0.5	66	46	LOS SANTOS (SANTANDER)
602	Jul 16 2016	02:10:12.7	7.22	-74.25	Sup	1.6	0.2	152	16	PUERTO WILCHES (SANTANDER)
603	Jul 16 2016	02:48: 7.0	5.28	-75.43	110	0.9	0.3	92	10	ARANZAZU (CALDAS)
604	Jul 16 2016	03:19:37.2	6.31	-73.66	107	1.6	0.4	86	18	SANTA HELENA DEL OPON (SANTANDER)
605	Jul 16 2016	03:21:35.8	11.19	-74.97	70	1.6	0.1	266	8	MAR CARIBE
606	Jul 16 2016	04:01:25.1	6.75	-73.13	148	1.4	0.4	235	13	LOS SANTOS (SANTANDER)
607	Jul 16 2016	05:15:52.8	6.98	-74.45	52	1.9	0.5	88	25	REMEDIOS (ANTIOQUIA)
608	Jul 16 2016	05:18:50.4	6.79	-73.19	151	1.2	0.4	232	7	ZAPATOCA (SANTANDER)
609	Jul 16 2016	05:27:50.3	7.39	-73.17	136	1.3	0.1	267	6	EL PLAYON (SANTANDER)
610	Jul 16 2016	05:57:52.0	6.80	-73.12	142	1.8	0.5	240	15	LOS SANTOS (SANTANDER)
611	Jul 16 2016	06:13:31.1	7.73	-73.22	133	1.2	0.1	276	7	LA ESPERANZA (N.SANTANDER)
612	Jul 16 2016	06:24:34.1	6.78	-73.15	151	1.6	0.4	136	18	LOS SANTOS (SANTANDER)
613	Jul 16 2016	06:42:23.3	4.72	-76.21	101	1.0	0.2	151	8	EL CAIRO (VALLE)
614	Jul 16 2016	06:53:26.4	6.77	-73.14	145	3.0	0.4	98	39	LOS SANTOS (SANTANDER)
615	Jul 16 2016	07:29:28.9	6.79	-73.16	149	1.4	0.1	276	8	LOS SANTOS (SANTANDER)
616	Jul 16 2016	07:57:14.0	6.13	-74.29	23	1.2	0.3	123	10	PUERTO NARE (ANTIOQUIA)
617	Jul 16 2016	08:01: 9.7	6.63	-73.57	110	1.5	0.3	153	14	EL CARMEN (SANTANDER)
618	Jul 16 2016	08:13:59.6	6.80	-73.16	148	2.0	0.4	236	18	LOS SANTOS (SANTANDER)
619	Jul 16 2016	08:15:13.9	5.61	-76.37	Sup	2.4	0.5	145	32	LLORO (CHOCO)
620	Jul 16 2016	08:35: 6.4	6.77	-73.17	148	1.4	0.4	134	13	LOS SANTOS (SANTANDER)
621	Jul 16 2016	09:09:15.9	8.39	-74.17	21	1.8	0.5	159	20	TIQUISIO (BOLIVAR)
622	Jul 16 2016	09:24:31.5	6.79	-73.14	144	2.3	0.4	100	31	LOS SANTOS (SANTANDER)
623	Jul 16 2016	09:33: 9.5	11.62	-72.39	Sup	2.5	0.5	200	10	MANAURE BALCON CESAR (CESAR)
624	Jul 16 2016	10:29:45.4	6.77	-73.17	149	1.3	0.3	135	13	LOS SANTOS (SANTANDER)
625	Jul 16 2016	10:43:17.2	6.88	-73.13	145	1.6	0.3	211	20	PIEDRECUESTA (SANTANDER)
626	Jul 16 2016	10:55:36.4	6.89	-73.17	141	1.3	0.3	243	11	BETULIA (SANTANDER)
627	Jul 16 2016	11:19:48.0	6.73	-73.16	147	1.6	0.2	230	9	VILLANUEVA (SANTANDER)
628	Jul 16 2016	11:21:30.3	3.06	-74.70	23	1.0	0.3	152	7	COLOMBIA (HUILA)
629	Jul 16 2016	11:42:46.3	6.40	-73.65	101	1.7	0.6	116	16	SANTA HELENA DEL OPON (SANTANDER)
630	Jul 16 2016	12:22:57.1	4.80	-77.68	24	2.1	0.6	303	11	O. PACIFICO CENTRO
631	Jul 16 2016	13:01: 2.1	2.37	-75.55	Sup	3.1	0.7	64	30	GIGANTE (HUILA)
632	Jul 16 2016	13:16:15.9	6.83	-73.16	148	1.6	0.4	132	10	LOS SANTOS (SANTANDER)
633	Jul 16 2016	14:21:28.4	6.81	-71.94	Sup	2.3	0.3	214	19	SARAVENA (ARAUCA)
634	Jul 16 2016	15:16:36.7	6.83	-73.14	140	2.0	0.4	135	22	LOS SANTOS (SANTANDER)
635	Jul 16 2016	16:10:13.1	6.83	-73.17	145	1.2	0.4	146	7	ZAPATOCA (SANTANDER)
636	Jul 16 2016	16:14: 9.3	8.32	-74.75	15	1.5	0.5	131	12	SAN JACINTO DEL CAUCA (BOLIVAR)
637	Jul 16 2016	17:07: 5.4	2.26	-75.41	20	1.5	0.2	105	11	GIGANTE (HUILA)
638	Jul 16 2016	17:31: 9.6	6.78	-73.14	145	1.2	0.1	137	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
639	Jul 16 2016	19:21:54.5	6.82	-73.11	147	2.3	0.5	72	31	LOS SANTOS (SANTANDER)
640	Jul 16 2016	20:54:43.6	6.79	-73.18	140	1.8	0.3	132	20	LOS SANTOS (SANTANDER)
641	Jul 16 2016	21:02:59.3	6.80	-73.16	137	1.0	0.3	142	8	LOS SANTOS (SANTANDER)
642	Jul 16 2016	21:04:11.7	6.81	-73.12	145	1.3	0.3	139	10	LOS SANTOS (SANTANDER)
643	Jul 16 2016	21:24: 9.6	4.71	-74.84	6	1.9	0.4	88	27	VENADILLO (TOLIMA)
644	Jul 16 2016	21:43:26.8	6.80	-73.15	144	1.3	0.2	135	13	LOS SANTOS (SANTANDER)
645	Jul 16 2016	22:42:57.0	7.52	-75.57	19	3.2	0.7	69	56	TARAZA (ANTIOQUIA)
646	Jul 16 2016	23:00:58.2	5.56	-73.87	126	1.8	0.4	104	22	CALDAS (BOYACA)
647	Jul 16 2016	23:51:56.8	7.67	-74.09	75	1.4	0.1	328	7	SAN PABLO (BOLIVAR)
648	Jul 17 2016	00:06:41.1	6.76	-73.15	148	1.4	0.3	137	13	LOS SANTOS (SANTANDER)
649	Jul 17 2016	00:57:11.9	2.37	-75.60	11	2.5	0.5	58	34	GIGANTE (HUILA)
650	Jul 17 2016	01:09:16.9	6.81	-73.15	142	2.5	0.5	135	44	LOS SANTOS (SANTANDER)
651	Jul 17 2016	01:21:40.2	6.67	-73.25	155	1.3	0.4	214	8	BARICHARA (SANTANDER)
652	Jul 17 2016	01:56:14.1	6.80	-73.15	142	2.3	0.4	118	39	LOS SANTOS (SANTANDER)
653	Jul 17 2016	02:14: 0.7	6.76	-73.47	111	1.5	0.5	156	11	EL CARMEN (SANTANDER)
654	Jul 17 2016	02:23:15.7	6.77	-73.12	144	1.3	0.4	237	9	LOS SANTOS (SANTANDER)
655	Jul 17 2016	02:42:43.4	5.70	-73.50	146	1.6	0.5	149	22	GACHANTIVA (BOYACA)
656	Jul 17 2016	04:14:30.9	10.96	-73.75	Sup	1.5	0.3	153	8	PUEBLO BELLO (CESAR)
657	Jul 17 2016	05:16:42.9	6.75	-73.33	120	1.7	0.4	94	21	ZAPATOCA (SANTANDER)
658	Jul 17 2016	05:46:11.6	6.56	-73.51	109	3.7	0.4	53	64	EL CARMEN (SANTANDER)
659	Jul 17 2016	05:51:48.5	6.81	-73.13	150	1.7	0.4	137	13	LOS SANTOS (SANTANDER)
660	Jul 17 2016	06:01:23.4	4.97	-76.13	108	1.5	0.3	124	12	SAN JOSE DEL PALMAR (CHOCO)
661	Jul 17 2016	06:21:29.9	6.83	-73.11	144	1.7	0.3	139	17	LOS SANTOS (SANTANDER)
662	Jul 17 2016	06:43:10.6	3.85	-76.32	95	1.3	0.4	158	8	YOTOCO (VALLE)
663	Jul 17 2016	07:09:42.6	1.45	-79.66	101	1.6	0.6	278	10	O. PACIFICO ECUADOR
664	Jul 17 2016	08:00: 4.4	6.06	-72.40	Sup	1.9	0.5	185	20	LA SALINA (CASANARE)
665	Jul 17 2016	09:16: 9.5	6.45	-76.68	Sup	1.8	0.4	136	18	VIGIA DEL FUERTE (ANTIOQUIA)
666	Jul 17 2016	10:32:17.9	5.73	-73.86	111	1.3	0.5	202	10	ALBANIA (SANTANDER)
667	Jul 17 2016	10:49:36.1	6.83	-73.16	151	1.6	0.5	132	21	ZAPATOCA (SANTANDER)
668	Jul 17 2016	11:26: 1.1	6.44	-76.89	100	1.6	0.4	153	13	BOJAYA (CHOCO)
669	Jul 17 2016	11:44:35.3	6.78	-73.13	145	2.2	0.5	121	30	LOS SANTOS (SANTANDER)
670	Jul 17 2016	12:21: 2.1	7.43	-77.10	7	2.2	0.4	191	26	RIOSUCIO (CHOCO)
671	Jul 17 2016	13:16:20.3	6.76	-73.12	145	3.0	0.4	73	45	LOS SANTOS (SANTANDER)
672	Jul 17 2016	14:17:53.4	8.31	-73.60	92	2.0	0.5	189	16	AGUACHICA (CESAR)
673	Jul 17 2016	14:19:10.2	1.92	-75.89	Sup	1.9	0.2	130	8	TIMANA (HUILA)
674	Jul 17 2016	15:47:52.5	6.80	-73.11	149	1.9	0.4	241	16	LOS SANTOS (SANTANDER)
675	Jul 17 2016	16:00:58.6	3.62	-78.98	58	2.1	0.2	266	12	O. PACIFICO SUR
676	Jul 17 2016	16:05:29.0	4.92	-76.20	103	1.9	0.5	88	25	SAN JOSE DEL PALMAR (CHOCO)
677	Jul 17 2016	17:44:32.2	2.30	-75.67	9	1.9	0.5	105	13	AGRADO (HUILA)
678	Jul 17 2016	18:10:59.8	6.65	-73.36	127	1.6	0.3	155	7	GALAN (SANTANDER)
679	Jul 17 2016	20:41:11.7	6.40	-73.53	112	1.9	0.4	77	24	SANTA HELENA DEL OPO (SANTANDER)
680	Jul 17 2016	22:30:33.6	6.58	-73.40	89	0.8	0.3	119	8	HATO (SANTANDER)
681	Jul 17 2016	22:35:37.8	6.64	-73.22	144	1.1	0.4	190	10	BARICHARA (SANTANDER)
682	Jul 17 2016	23:26:11.4	1.66	-76.20	50	0.9	0.2	190	7	PALESTINA (HUILA)
683	Jul 18 2016	00:37:33.7	6.75	-73.13	143	2.0	0.4	95	26	LOS SANTOS (SANTANDER)
684	Jul 18 2016	02:11:42.8	6.76	-73.32	120	1.5	0.5	96	18	ZAPATOCA (SANTANDER)
685	Jul 18 2016	02:13:32.9	1.75	-79.48	15	3.0	0.5	289	19	O. PACIFICO SUR
686	Jul 18 2016	03:15:43.3	6.74	-73.14	151	1.3	0.3	140	11	LOS SANTOS (SANTANDER)
687	Jul 18 2016	03:17:47.0	6.75	-73.13	145	1.6	0.4	140	16	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
688	Jul 18 2016	03:38:56.1	4.50	-75.74	47	1.6	0.2	138	7	LA TEBAIDA (QUINDIO)
689	Jul 18 2016	03:52:46.6	6.80	-73.11	152	2.1	0.4	100	34	LOS SANTOS (SANTANDER)
690	Jul 18 2016	04:04:30.8	6.79	-73.13	148	1.5	0.6	138	12	LOS SANTOS (SANTANDER)
691	Jul 18 2016	04:36:28.8	6.83	-73.11	151	1.2	0.3	139	8	LOS SANTOS (SANTANDER)
692	Jul 18 2016	04:45:10.0	6.78	-73.14	149	1.8	0.3	151	12	LOS SANTOS (SANTANDER)
693	Jul 18 2016	05:29:20.5	3.90	-75.93	181	1.6	0.5	115	14	SAN PEDRO (VALLE)
694	Jul 18 2016	05:49:14.9	6.76	-73.09	141	1.6	0.2	173	10	LOS SANTOS (SANTANDER)
695	Jul 18 2016	06:03:21.4	6.79	-73.15	149	1.8	0.2	137	12	LOS SANTOS (SANTANDER)
696	Jul 18 2016	07:25:19.4	6.78	-73.12	139	1.9	0.4	99	20	LOS SANTOS (SANTANDER)
697	Jul 18 2016	08:28:20.2	5.36	-75.99	39	0.8	0.2	146	8	MISTRATO (RISARALDA)
698	Jul 18 2016	09:20:26.6	5.26	-73.75	153	2.0	0.5	76	21	CUCUNUBA (CUNDINAMARCA)
699	Jul 18 2016	09:28:25.0	6.80	-73.13	143	2.1	0.4	101	19	LOS SANTOS (SANTANDER)
700	Jul 18 2016	12:00:13.8	5.62	-74.68	Sup	1.9	0.4	52	24	PUERTO SALGAR (CUNDINAMARCA)
701	Jul 18 2016	12:12:17.6	2.69	-74.99	10	2.3	0.3	96	18	RIVERA (HUILA)
702	Jul 18 2016	12:47:53.8	6.79	-73.13	145	2.1	0.4	138	22	LOS SANTOS (SANTANDER)
703	Jul 18 2016	13:14:39.8	6.29	-74.03	40	1.4	0.1	289	8	CIMITARRA (SANTANDER)
704	Jul 18 2016	13:36:36.9	2.06	-75.72	Sup	1.6	0.2	125	8	GUADALUPE (HUILA)
705	Jul 18 2016	14:21:42.5	6.79	-73.13	141	1.5	0.2	245	8	LOS SANTOS (SANTANDER)
706	Jul 18 2016	14:51:48.1	1.82	-77.35	18	2.2	0.2	211	10	EL ROSARIO (NARINO)
707	Jul 18 2016	14:55:25.7	6.84	-73.06	144	1.9	0.5	249	18	LOS SANTOS (SANTANDER)
708	Jul 18 2016	15:20:47.8	6.83	-73.15	137	2.1	0.5	134	26	LOS SANTOS (SANTANDER)
709	Jul 18 2016	15:33:49.1	6.78	-73.14	143	2.8	0.4	138	36	LOS SANTOS (SANTANDER)
710	Jul 18 2016	15:53: 2.9	6.81	-73.15	144	2.7	0.5	117	40	LOS SANTOS (SANTANDER)
711	Jul 18 2016	16:07: 5.4	6.82	-73.18	141	1.9	0.4	130	12	ZAPATOCA (SANTANDER)
712	Jul 18 2016	16:25:36.5	4.48	-76.32	121	2.2	0.5	127	14	EL DOVIO (VALLE)
713	Jul 18 2016	16:50:31.6	5.25	-73.70	148	2.0	0.3	79	17	LENGUAZAQUE (CUNDINAMARCA)
714	Jul 18 2016	17:21:49.8	6.80	-73.14	154	1.7	0.3	136	9	LOS SANTOS (SANTANDER)
715	Jul 18 2016	17:29: 1.8	4.04	-76.28	113	1.6	0.1	170	7	SAN PEDRO (VALLE)
716	Jul 18 2016	19:31:33.7	6.21	-73.47	129	1.7	0.2	159	8	EL GUACAMAYO (SANTANDER)
717	Jul 18 2016	20:00:24.5	6.76	-73.09	150	1.7	0.2	145	12	LOS SANTOS (SANTANDER)
718	Jul 18 2016	20:20: 2.8	2.37	-75.36	19	1.9	0.3	102	14	ALGECIRAS (HUILA)
719	Jul 18 2016	20:24:29.3	10.49	-73.74	64	1.9	0.1	99	8	PUEBLO BELLO (CESAR)
720	Jul 18 2016	21:38:20.5	6.77	-73.13	144	2.3	0.1	139	12	LOS SANTOS (SANTANDER)
721	Jul 18 2016	23:44:42.9	6.59	-74.11	32	1.3	0.1	196	10	PUERTO PARRA (SANTANDER)
722	Jul 19 2016	00:03:25.5	6.80	-73.13	149	1.8	0.3	137	16	LOS SANTOS (SANTANDER)
723	Jul 19 2016	00:30:22.9	6.78	-73.13	146	1.1	0.2	139	8	LOS SANTOS (SANTANDER)
724	Jul 19 2016	01:24:34.3	6.79	-73.14	152	2.0	0.4	136	11	LOS SANTOS (SANTANDER)
725	Jul 19 2016	01:50:50.1	6.75	-73.14	156	1.8	0.3	253	8	LOS SANTOS (SANTANDER)
726	Jul 19 2016	03:04:53.0	2.40	-75.56	Sup	2.1	0.6	71	31	GIGANTE (HUILA)
727	Jul 19 2016	03:14:12.5	5.71	-76.05	54	1.5	0.5	181	14	BETANIA (ANTIOQUIA)
728	Jul 19 2016	03:23: 0.2	7.72	-73.74	82	1.9	0.3	143	16	SAN PABLO (BOLIVAR)
729	Jul 19 2016	03:36: 4.8	6.76	-73.12	136	1.4	0.3	142	12	LOS SANTOS (SANTANDER)
730	Jul 19 2016	03:36:46.6	6.81	-73.13	142	2.2	0.5	102	38	LOS SANTOS (SANTANDER)
731	Jul 19 2016	04:04:20.1	6.84	-76.35	Sup	1.3	0.6	238	8	DABEIBA (ANTIOQUIA)
732	Jul 19 2016	05:35:59.0	6.75	-73.06	147	1.5	0.2	184	8	JORDAN (SANTANDER)
733	Jul 19 2016	05:36:22.8	2.93	-74.74	Sup	2.2	0.8	119	19	BARAYA (HUILA)
734	Jul 19 2016	05:39:32.7	6.79	-73.17	148	1.5	0.4	134	11	LOS SANTOS (SANTANDER)
735	Jul 19 2016	07:35:21.2	6.77	-73.12	150	1.2	0.3	238	10	LOS SANTOS (SANTANDER)
736	Jul 19 2016	08:01:59.9	6.79	-73.13	150	1.5	0.3	138	12	LOS SANTOS (SANTANDER)
737	Jul 19 2016	08:12:18.2	6.75	-73.12	139	1.7	0.3	142	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
738	Jul 19 2016	08:52:40.8	6.79	-73.13	147	3.2	0.5	67	63	LOS SANTOS (SANTANDER)
739	Jul 19 2016	10:03:36.7	3.84	-71.41	Sup	2.4	0.3	328	18	PUERTO GAITAN (META)
740	Jul 19 2016	12:11:52.7	6.76	-73.12	146	2.2	0.4	141	27	LOS SANTOS (SANTANDER)
741	Jul 19 2016	12:54: 5.7	6.79	-73.09	144	1.9	0.4	243	20	LOS SANTOS (SANTANDER)
742	Jul 19 2016	13:09:15.4	1.92	-76.04	Sup	2.2	0.3	143	9	PITALITO (HUILA)
743	Jul 19 2016	13:12:51.7	3.28	-74.90	19	1.3	0.4	200	8	ALPUJARRA (TOLIMA)
744	Jul 19 2016	13:13:51.7	4.03	-75.78	Sup	1.6	0.5	155	10	GENOVA (QUINDIO)
745	Jul 19 2016	13:23: 0.7	6.97	-73.62	104	1.9	0.4	96	16	SAN VICENTE DE CHUCURI (SANTANDER)
746	Jul 19 2016	13:33:12.5	10.99	-73.53	Sup	1.8	0.5	164	8	PUEBLO BELLO (CESAR)
747	Jul 19 2016	14:29:31.6	6.79	-73.16	142	1.8	0.4	134	8	LOS SANTOS (SANTANDER)
748	Jul 19 2016	17:26: 7.2	5.63	-76.74	Sup	1.7	0.4	278	13	QUIBDO (CHOCO)
749	Jul 19 2016	17:59:13.9	1.19	-79.33	13	2.6	0.6	256	12	O. PACIFICO ECUADOR
750	Jul 19 2016	19:12:53.3	6.79	-73.10	142	2.8	0.4	122	38	LOS SANTOS (SANTANDER)
751	Jul 19 2016	19:33:41.8	6.80	-73.13	145	2.8	0.4	120	40	LOS SANTOS (SANTANDER)
752	Jul 19 2016	21:11:24.2	6.78	-73.10	145	2.4	0.2	142	18	LOS SANTOS (SANTANDER)
753	Jul 20 2016	00:11:21.0	5.13	-76.25	101	1.5	0.3	191	8	SAN JOSE DEL PALMAR (CHOCO)
754	Jul 20 2016	00:40:55.5	6.82	-73.09	144	1.2	0.2	142	8	LOS SANTOS (SANTANDER)
755	Jul 20 2016	00:50:36.6	6.78	-73.12	146	1.6	0.3	140	10	LOS SANTOS (SANTANDER)
756	Jul 20 2016	02:20:48.7	3.83	-76.59	72	1.7	0.5	100	10	RESTREPO (VALLE)
757	Jul 20 2016	03:51:33.0	6.76	-73.05	146	2.0	0.5	118	26	LOS SANTOS (SANTANDER)
758	Jul 20 2016	04:04:12.1	6.80	-73.07	147	1.5	0.4	245	12	LOS SANTOS (SANTANDER)
759	Jul 20 2016	04:45:19.5	6.76	-73.15	147	1.5	0.3	234	8	LOS SANTOS (SANTANDER)
760	Jul 20 2016	05:05:45.9	2.00	-77.60	70	1.3	0.3	169	10	LEIVA (NARINO)
761	Jul 20 2016	05:32:42.8	6.29	-77.45	Sup	1.8	0.6	295	10	O. PACIFICO NORTE
762	Jul 20 2016	05:50:38.2	6.73	-73.15	147	1.4	0.5	232	10	JORDAN (SANTANDER)
763	Jul 20 2016	05:52: 2.9	4.86	-73.71	Sup	1.8	0.7	151	12	JUNIN (CUNDINAMARCA)
764	Jul 20 2016	06:00:48.4	6.46	-76.71	Sup	1.7	0.2	270	8	VIGIA DEL FUERTE (ANTIOQUIA)
765	Jul 20 2016	06:11:48.6	3.86	-76.28	114	1.5	0.4	96	16	BUGA (VALLE)
766	Jul 20 2016	06:49:13.7	6.81	-73.10	150	1.6	0.3	262	8	LOS SANTOS (SANTANDER)
767	Jul 20 2016	07:02: 4.0	5.71	-72.95	Sup	0.9	0.4	282	8	SOGAMOSO (BOYACA)
768	Jul 20 2016	07:24:54.5	2.28	-75.69	Sup	3.6	0.4	61	45	AGRADO (HUILA)
769	Jul 20 2016	07:30:15.8	2.24	-75.69	11	0.9	0.3	110	10	AGRADO (HUILA)
770	Jul 20 2016	08:06:30.2	6.79	-73.08	147	2.2	0.5	104	30	LOS SANTOS (SANTANDER)
771	Jul 20 2016	08:18:41.3	2.28	-75.69	8	1.1	0.4	109	12	AGRADO (HUILA)
772	Jul 20 2016	09:06:10.7	1.83	-77.35	19	1.5	0.2	212	8	EL ROSARIO (NARINO)
773	Jul 20 2016	09:12:50.0	6.30	-73.51	115	1.6	0.5	87	14	CONTRATACION (SANTANDER)
774	Jul 20 2016	09:49:18.9	2.25	-75.69	13	0.9	0.3	109	8	AGRADO (HUILA)
775	Jul 20 2016	10:07: 1.7	3.63	-76.18	Sup	0.7	0.2	131	7	GINEBRA (VALLE)
776	Jul 20 2016	10:13:18.1	6.63	-74.11	50	1.0	0.1	147	8	PUERTO PARRA (SANTANDER)
777	Jul 20 2016	10:45:57.6	6.80	-73.16	148	3.6	0.4	64	64	LOS SANTOS (SANTANDER)
778	Jul 20 2016	11:12:22.4	5.71	-72.66	Sup	1.8	0.3	255	11	MONGUA (BOYACA)
779	Jul 20 2016	11:32:23.8	6.83	-73.01	136	1.4	0.4	253	8	CEPITA (SANTANDER)
780	Jul 20 2016	13:46:11.2	6.79	-73.01	179	2.2	0.4	250	22	CEPITA (SANTANDER)
781	Jul 20 2016	13:49:40.7	5.56	-73.89	121	2.3	0.4	102	34	CALDAS (BOYACA)
782	Jul 20 2016	13:59: 4.8	6.08	-73.48	113	1.4	0.5	204	7	SANTANA (BOYACA)
783	Jul 20 2016	14:29: 0.0	6.74	-73.11	137	1.6	0.4	143	9	LOS SANTOS (SANTANDER)
784	Jul 20 2016	15:04:57.6	7.07	-75.87	Sup	1.8	0.4	126	10	PEQUE (ANTIOQUIA)
785	Jul 20 2016	16:17:25.1	3.92	-76.55	83	1.7	0.4	112	8	CALIMA (VALLE)
786	Jul 20 2016	16:19:12.5	6.82	-73.31	120	1.7	0.3	104	14	ZAPATOCA (SANTANDER)
787	Jul 20 2016	16:27:44.8	3.89	-76.67	69	2.5	0.7	101	12	RESTREPO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
788	Jul 20 2016	17:00:38.4	7.32	-75.74	48	1.7	0.1	150	8	ITUANGO (ANTIOQUIA)
789	Jul 20 2016	19:28:17.4	10.03	-73.52	95	1.7	0.3	127	8	AGUSTIN CODAZZI (CESAR)
790	Jul 20 2016	19:29: 0.1	6.72	-73.12	146	1.7	0.4	142	11	JORDAN (SANTANDER)
791	Jul 20 2016	19:36: 7.8	4.45	-76.25	Sup	1.8	0.3	166	8	EL DOVIO (VALLE)
792	Jul 20 2016	20:47:17.5	6.77	-73.11	144	1.9	0.3	142	9	LOS SANTOS (SANTANDER)
793	Jul 20 2016	22:14:32.1	6.77	-73.13	140	1.4	0.2	139	9	LOS SANTOS (SANTANDER)
794	Jul 21 2016	03:00: 3.2	6.33	-73.41	133	2.1	0.5	57	35	CHIMA (SANTANDER)
795	Jul 21 2016	03:25:27.0	6.76	-73.15	148	1.3	0.3	234	9	LOS SANTOS (SANTANDER)
796	Jul 21 2016	03:35:36.4	6.79	-73.11	149	1.3	0.2	240	10	LOS SANTOS (SANTANDER)
797	Jul 21 2016	04:13:47.0	6.80	-73.14	146	2.5	0.4	102	42	LOS SANTOS (SANTANDER)
798	Jul 21 2016	05:54:25.8	6.78	-73.11	151	1.5	0.4	239	10	LOS SANTOS (SANTANDER)
799	Jul 21 2016	06:06:20.3	2.27	-75.69	Sup	2.5	0.5	62	34	AGRADO (HUILA)
800	Jul 21 2016	06:15:29.0	5.62	-74.00	115	2.7	0.5	53	40	PAUNA (BOYACA)
801	Jul 21 2016	06:56: 0.5	6.76	-73.14	141	1.4	0.3	234	10	LOS SANTOS (SANTANDER)
802	Jul 21 2016	07:21:59.1	6.76	-73.14	150	1.5	0.1	234	8	LOS SANTOS (SANTANDER)
803	Jul 21 2016	07:31:21.1	6.79	-73.05	149	1.7	0.2	247	8	LOS SANTOS (SANTANDER)
804	Jul 21 2016	08:41:58.1	6.81	-73.11	151	1.8	0.5	242	10	LOS SANTOS (SANTANDER)
805	Jul 21 2016	09:22:14.8	6.74	-73.15	140	1.6	0.3	232	11	LOS SANTOS (SANTANDER)
806	Jul 21 2016	10:12:12.4	6.68	-74.11	76	1.5	0.1	140	7	PUERTO PARRA (SANTANDER)
807	Jul 21 2016	10:29:56.2	6.54	-73.54	107	1.6	0.2	137	8	EL CARMEN (SANTANDER)
808	Jul 21 2016	10:36:51.2	6.75	-73.09	141	1.6	0.3	240	12	LOS SANTOS (SANTANDER)
809	Jul 21 2016	11:28: 4.2	3.36	-77.57	72	2.8	0.6	142	18	O. PACIFICO SUR
810	Jul 21 2016	12:43:53.7	4.79	-73.17	Sup	2.2	0.4	134	10	SAN LUIS DE GACENO (BOYACA)
811	Jul 21 2016	12:49:27.2	3.92	-76.22	124	3.2	0.6	66	49	SAN PEDRO (VALLE)
812	Jul 21 2016	13:07: 5.3	2.75	-75.02	Sup	2.3	0.2	200	11	RIVERA (HUILA)
813	Jul 21 2016	13:19:13.2	6.79	-73.15	138	2.1	0.4	236	22	LOS SANTOS (SANTANDER)
814	Jul 21 2016	14:24:41.9	6.61	-73.37	116	1.7	0.5	157	10	GALAN (SANTANDER)
815	Jul 21 2016	16:01:38.0	6.53	-76.90	10	1.7	0.5	248	12	VIGIA DEL FUERTE (ANTIOQUIA)
816	Jul 21 2016	18:08:30.5	7.64	-73.07	146	1.8	0.3	224	10	CACHIRA (N.SANTANDER)
817	Jul 21 2016	22:00: 7.3	6.77	-73.14	139	2.4	0.4	98	20	LOS SANTOS (SANTANDER)
818	Jul 21 2016	22:09:21.6	6.77	-73.11	145	2.5	0.4	97	39	LOS SANTOS (SANTANDER)
819	Jul 21 2016	22:11:21.8	6.13	-73.75	106	1.8	0.5	107	13	LANDAZURI (SANTANDER)
820	Jul 21 2016	23:20: 4.4	6.75	-73.16	146	2.1	0.5	232	13	LOS SANTOS (SANTANDER)
821	Jul 22 2016	00:22:29.1	5.67	-76.03	42	2.4	0.4	169	14	BETANIA (ANTIOQUIA)
822	Jul 22 2016	01:21:58.2	4.19	-75.81	48	1.2	0.2	195	8	GENOVA (QUINDIO)
823	Jul 22 2016	02:41:29.5	6.76	-73.12	157	1.4	0.2	238	8	LOS SANTOS (SANTANDER)
824	Jul 22 2016	03:05:33.2	11.43	-72.23	Sup	2.9	0.5	140	23	MANAURE BALCON CESAR (CESAR)
825	Jul 22 2016	03:47:48.2	6.76	-73.15	148	1.6	0.3	234	8	LOS SANTOS (SANTANDER)
826	Jul 22 2016	07:51:13.1	6.55	-73.47	124	1.3	0.1	124	8	EL CARMEN (SANTANDER)
827	Jul 22 2016	08:05: 3.8	5.26	-73.77	146	1.2	0.2	274	8	CUCUNUBA (CUNDINAMARCA)
828	Jul 22 2016	08:08:37.6	6.80	-73.13	149	1.8	0.3	138	14	LOS SANTOS (SANTANDER)
829	Jul 22 2016	08:22:16.7	6.76	-73.08	147	1.1	0.1	241	8	LOS SANTOS (SANTANDER)
830	Jul 22 2016	08:39:17.4	6.77	-73.09	139	1.8	0.4	144	22	LOS SANTOS (SANTANDER)
831	Jul 22 2016	09:08:27.1	6.75	-73.47	111	1.2	0.3	154	9	EL CARMEN (SANTANDER)
832	Jul 22 2016	09:57:38.3	6.80	-73.13	144	3.0	0.5	101	38	LOS SANTOS (SANTANDER)
833	Jul 22 2016	10:52:24.6	5.08	-73.07	Sup	2.6	0.6	100	34	PAEZ (BOYACA)
834	Jul 22 2016	11:05:47.8	5.23	-77.78	51	2.0	0.4	303	8	O. PACIFICO CENTRO
835	Jul 22 2016	11:16:41.1	6.85	-73.11	145	1.8	0.6	138	16	LOS SANTOS (SANTANDER)
836	Jul 22 2016	12:58:23.4	9.83	-73.21	102	1.9	0.3	178	10	BECERRIL (CESAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
837	Jul 22 2016	13:20:42.1	5.25	-73.70	146	3.1	0.4	65	48	LENGUAZAQUE (CUNDINAMARCA)
838	Jul 22 2016	14:33:55.2	6.76	-73.24	137	1.6	0.4	227	11	ZAPATOCA (SANTANDER)
839	Jul 22 2016	14:59:26.0	6.72	-73.15	143	1.9	0.8	230	15	VILLANUEVA (SANTANDER)
840	Jul 22 2016	20:50:32.5	11.54	-72.72	Sup	2.1	0.4	182	6	MANAURE BALCON CESAR (CESAR)
841	Jul 22 2016	22:19:48.5	7.47	-73.18	131	3.0	0.5	107	51	EL PLAYON (SANTANDER)
842	Jul 22 2016	23:06:50.1	2.28	-75.68	Sup	2.5	0.6	63	30	AGRADO (HUILA)
843	Jul 22 2016	23:14:26.0	6.79	-73.13	145	2.2	0.3	120	30	LOS SANTOS (SANTANDER)
844	Jul 23 2016	01:30: 9.2	2.70	-75.08	18	1.7	0.3	153	10	RIVERA (HUILA)
845	Jul 23 2016	03:51: 5.4	6.77	-73.11	139	2.0	0.4	142	19	LOS SANTOS (SANTANDER)
846	Jul 23 2016	03:53: 8.9	6.79	-73.14	147	2.7	0.4	71	42	LOS SANTOS (SANTANDER)
847	Jul 23 2016	04:44:45.0	6.80	-73.11	148	1.5	0.3	241	10	LOS SANTOS (SANTANDER)
848	Jul 23 2016	05:09:44.6	1.98	-75.89	Sup	1.7	0.3	93	22	TIMANA (HUILA)
849	Jul 23 2016	05:29:21.0	6.80	-73.14	140	1.7	0.4	238	12	LOS SANTOS (SANTANDER)
850	Jul 23 2016	05:32:16.1	1.99	-75.88	13	0.8	0.3	121	12	TIMANA (HUILA)
851	Jul 23 2016	05:55:10.5	6.81	-76.39	14	1.3	0.3	244	8	DABEIBA (ANTIOQUIA)
852	Jul 23 2016	05:58:38.7	1.95	-75.95	19	1.2	0.3	131	10	TIMANA (HUILA)
853	Jul 23 2016	07:36:13.8	3.94	-76.37	116	1.2	0.3	173	8	YOTOCO (VALLE)
854	Jul 23 2016	07:38:23.4	6.70	-73.46	30	2.0	0.5	61	30	EL CARMEN (SANTANDER)
855	Jul 23 2016	07:44:37.0	4.43	-76.10	132	1.1	0.3	131	12	ROLDANILLO (VALLE)
856	Jul 23 2016	08:26:52.7	5.26	-73.75	145	1.9	0.4	76	28	CUCUNUBA (CUNDINAMARCA)
857	Jul 23 2016	08:30:49.4	2.40	-75.56	19	1.3	0.3	110	12	GIGANTE (HUILA)
858	Jul 23 2016	09:58:44.3	6.77	-73.11	140	1.5	0.4	239	12	LOS SANTOS (SANTANDER)
859	Jul 23 2016	10:06:36.8	6.80	-73.19	133	1.7	0.3	131	16	ZAPATOCA (SANTANDER)
860	Jul 23 2016	10:51: 6.5	10.67	-73.49	Sup	1.7	0.4	116	9	PUEBLO BELLO (CESAR)
861	Jul 23 2016	11:51:45.4	6.62	-78.39	32	2.4	0.6	166	17	O. PACIFICO NORTE
862	Jul 23 2016	12:32:48.9	6.89	-73.21	127	1.6	0.5	239	7	BETULIA (SANTANDER)
863	Jul 23 2016	13:19:43.0	6.79	-73.18	137	2.0	0.4	132	18	ZAPATOCA (SANTANDER)
864	Jul 23 2016	14:12:31.7	4.65	-76.04	61	1.8	0.4	112	12	TORO (VALLE)
865	Jul 23 2016	14:14: 4.9	6.93	-74.26	22	1.9	0.4	122	17	PUERTO PARRA (SANTANDER)
866	Jul 23 2016	15:23:15.1	1.67	-76.47	Sup	1.3	0.5	146	10	SANTA ROSA (CAUCA)
867	Jul 23 2016	17:16: 7.2	6.78	-72.25	19	1.6	0.1	165	8	CUBARA (BOYACA)
868	Jul 23 2016	17:38:32.1	6.78	-73.14	142	1.6	0.3	137	9	LOS SANTOS (SANTANDER)
869	Jul 23 2016	17:47: 1.4	6.75	-73.09	140	1.7	0.3	145	8	LOS SANTOS (SANTANDER)
870	Jul 23 2016	19:08:25.6	6.86	-73.10	148	2.2	0.4	139	16	LOS SANTOS (SANTANDER)
871	Jul 23 2016	20:16:49.9	6.78	-73.09	142	2.2	0.4	143	22	LOS SANTOS (SANTANDER)
872	Jul 23 2016	21:10:12.7	6.78	-73.10	147	2.4	0.5	143	24	LOS SANTOS (SANTANDER)
873	Jul 23 2016	21:28:37.8	6.80	-73.11	146	2.3	0.4	140	23	LOS SANTOS (SANTANDER)
874	Jul 23 2016	21:58:41.3	6.80	-73.12	149	2.4	0.5	121	30	LOS SANTOS (SANTANDER)
875	Jul 23 2016	22:07:15.3	6.78	-73.14	148	2.5	0.4	66	41	LOS SANTOS (SANTANDER)
876	Jul 23 2016	22:54: 7.1	3.31	-74.96	Sup	2.7	0.6	94	51	ALPUJARRA (TOLIMA)
877	Jul 23 2016	23:44:49.4	7.36	-78.43	16	3.4	0.7	109	47	O. PACIFICO PANAMA
878	Jul 24 2016	00:33:35.6	4.66	-75.59	155	2.0	0.6	162	15	SALENTO (QUINDIO)
879	Jul 24 2016	00:44:44.9	7.43	-77.03	68	2.2	0.7	81	26	RIOSUCIO (CHOCO)
880	Jul 24 2016	00:55:46.3	3.42	-74.22	Sup	1.5	0.4	126	14	MESETAS (META)
881	Jul 24 2016	02:08:32.1	6.75	-73.11	150	2.1	0.5	124	24	LOS SANTOS (SANTANDER)
882	Jul 24 2016	02:09:10.2	6.76	-73.10	138	2.2	0.5	144	19	LOS SANTOS (SANTANDER)
883	Jul 24 2016	02:51:34.2	5.31	-74.78	16	1.3	0.4	84	18	HONDA (TOLIMA)
884	Jul 24 2016	03:13: 9.5	6.77	-73.10	139	2.4	0.5	124	36	LOS SANTOS (SANTANDER)
885	Jul 24 2016	03:17: 7.7	4.82	-76.20	110	1.9	0.4	83	20	EL CAIRO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
886	Jul 24 2016	03:34:34.9	6.76	-73.14	149	1.4	0.3	138	10	LOS SANTOS (SANTANDER)
887	Jul 24 2016	03:35:45.9	6.71	-73.10	142	1.0	0.3	171	8	JORDAN (SANTANDER)
888	Jul 24 2016	04:11:35.3	6.81	-73.06	150	1.5	0.3	247	8	LOS SANTOS (SANTANDER)
889	Jul 24 2016	04:29:22.1	6.79	-73.15	144	1.4	0.4	136	13	LOS SANTOS (SANTANDER)
890	Jul 24 2016	04:35: 1.7	6.81	-73.11	144	2.4	0.5	121	38	LOS SANTOS (SANTANDER)
891	Jul 24 2016	04:46:43.0	6.76	-73.09	146	2.1	0.4	95	32	LOS SANTOS (SANTANDER)
892	Jul 24 2016	04:52:20.6	6.70	-73.13	148	1.2	0.3	231	8	JORDAN (SANTANDER)
893	Jul 24 2016	05:06: 3.4	7.28	-73.26	107	1.3	0.4	255	10	RIONEGRO (SANTANDER)
894	Jul 24 2016	05:35:34.1	5.64	-73.79	129	1.7	0.4	139	10	CHIQUINQUIRA (BOYACA)
895	Jul 24 2016	05:43:58.2	2.37	-75.67	6	1.4	0.1	111	14	GIGANTE (HUILA)
896	Jul 24 2016	06:15:37.4	2.46	-75.58	15	0.6	0.1	133	13	GIGANTE (HUILA)
897	Jul 24 2016	06:51:55.6	5.62	-72.81	Sup	1.7	0.6	103	16	MONGUI (BOYACA)
898	Jul 24 2016	07:11:21.4	6.78	-73.10	149	1.1	0.1	143	10	LOS SANTOS (SANTANDER)
899	Jul 24 2016	07:19:47.4	6.76	-73.07	145	1.1	0.2	172	8	LOS SANTOS (SANTANDER)
900	Jul 24 2016	07:40:40.4	6.76	-73.05	142	1.4	0.4	150	14	LOS SANTOS (SANTANDER)
901	Jul 24 2016	07:48:51.6	6.79	-73.10	143	1.4	0.4	142	10	LOS SANTOS (SANTANDER)
902	Jul 24 2016	07:50:59.6	6.76	-73.15	152	1.2	0.3	137	9	LOS SANTOS (SANTANDER)
903	Jul 24 2016	08:14:19.4	5.60	-72.62	Sup	3.0	0.6	116	48	LABRANZAGRANDE (BOYACA)
904	Jul 24 2016	09:12:52.6	6.81	-73.13	152	1.7	0.4	137	24	LOS SANTOS (SANTANDER)
905	Jul 24 2016	09:22:25.9	6.82	-73.15	145	1.8	0.4	135	22	LOS SANTOS (SANTANDER)
906	Jul 24 2016	09:45:16.4	7.17	-77.09	17	1.8	0.7	81	22	RIOSUCIO (CHOCO)
907	Jul 24 2016	09:45:33.1	7.75	-72.65	Sup	1.5	0.4	203	10	DURANIA (N.SANTANDER)
908	Jul 24 2016	10:04:42.5	6.90	-72.87	146	1.7	0.3	268	7	GUACA (SANTANDER)
909	Jul 24 2016	10:12:21.4	6.78	-73.09	144	2.0	0.4	144	24	LOS SANTOS (SANTANDER)
910	Jul 24 2016	10:16:49.1	6.78	-73.15	148	1.8	0.3	136	20	LOS SANTOS (SANTANDER)
911	Jul 24 2016	11:37:54.3	6.17	-73.62	112	1.5	0.4	90	12	LA PAZ (SANTANDER)
912	Jul 24 2016	12:50:56.8	7.77	-72.75	Sup	1.8	0.4	188	10	SALAZAR (N.SANTANDER)
913	Jul 24 2016	13:05:15.5	6.78	-73.13	132	1.8	0.3	139	12	LOS SANTOS (SANTANDER)
914	Jul 24 2016	13:20:23.6	6.79	-73.11	139	1.6	0.4	141	12	LOS SANTOS (SANTANDER)
915	Jul 24 2016	13:39:42.0	5.62	-73.97	110	1.6	0.2	132	14	PAUNA (BOYACA)
916	Jul 24 2016	13:51: 5.0	6.80	-73.12	143	2.0	0.4	139	16	LOS SANTOS (SANTANDER)
917	Jul 24 2016	14:04:27.9	6.77	-73.08	144	1.5	0.4	146	10	LOS SANTOS (SANTANDER)
918	Jul 24 2016	15:52:59.9	7.65	-73.36	119	1.7	0.3	212	8	LA ESPERANZA (N.SANTANDER)
919	Jul 24 2016	15:57:52.7	6.77	-73.11	149	1.8	0.3	142	14	LOS SANTOS (SANTANDER)
920	Jul 24 2016	16:11:56.7	6.79	-73.10	147	2.3	0.4	142	28	LOS SANTOS (SANTANDER)
921	Jul 24 2016	16:34:40.1	6.76	-73.15	142	3.7	0.7	72	73	LOS SANTOS (SANTANDER)
922	Jul 24 2016	16:48:58.6	7.68	-72.74	Sup	2.0	0.6	231	11	ARBOLEDAS (N.SANTANDER)
923	Jul 24 2016	17:21:37.9	6.80	-73.26	138	1.4	0.1	124	8	ZAPATOCA (SANTANDER)
924	Jul 24 2016	18:57: 6.4	6.82	-73.14	146	1.5	0.4	245	10	LOS SANTOS (SANTANDER)
925	Jul 24 2016	20:19:50.8	6.71	-73.15	152	1.8	0.3	139	12	VILLANUEVA (SANTANDER)
926	Jul 24 2016	20:56:32.4	6.79	-73.12	145	1.6	0.2	140	16	LOS SANTOS (SANTANDER)
927	Jul 24 2016	21:05:48.8	6.35	-76.69	Sup	2.0	0.2	261	19	VIGIA DEL FUERTE (ANTIOQUIA)
928	Jul 24 2016	22:55:41.3	6.77	-73.12	144	1.8	0.4	140	11	LOS SANTOS (SANTANDER)
929	Jul 24 2016	23:35:12.4	7.48	-73.18	130	2.5	0.5	101	40	EL PLAYON (SANTANDER)
930	Jul 24 2016	23:42:26.4	7.38	-75.27	Sup	1.9	0.3	119	13	CACERES (ANTIOQUIA)
931	Jul 24 2016	23:49: 8.6	5.99	-72.48	Sup	1.7	0.6	217	13	SOCOTA (BOYACA)
932	Jul 25 2016	00:37:30.7	6.82	-73.10	155	3.7	0.7	68	82	LOS SANTOS (SANTANDER)
933	Jul 25 2016	01:04:34.8	6.79	-73.13	145	2.3	0.3	138	32	LOS SANTOS (SANTANDER)
934	Jul 25 2016	01:55:53.9	6.79	-73.07	150	2.3	0.4	146	36	LOS SANTOS (SANTANDER)
935	Jul 25 2016	02:29:54.4	6.83	-76.21	Sup	1.4	0.2	193	8	URAMITA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
936	Jul 25 2016	02:58:12.9	6.76	-73.10	142	1.7	0.3	144	14	LOS SANTOS (SANTANDER)
937	Jul 25 2016	03:11:48.6	4.43	-76.53	101	1.2	0.3	222	10	SIPI (CHOCO)
938	Jul 25 2016	03:35:40.4	6.74	-73.06	141	1.2	0.2	149	10	JORDAN (SANTANDER)
939	Jul 25 2016	03:45:46.6	6.77	-73.09	144	2.0	0.2	145	15	LOS SANTOS (SANTANDER)
940	Jul 25 2016	03:46:30.6	6.78	-73.14	149	3.4	0.6	66	68	LOS SANTOS (SANTANDER)
941	Jul 25 2016	03:48: 6.6	6.79	-73.12	148	2.3	0.4	239	11	LOS SANTOS (SANTANDER)
942	Jul 25 2016	03:50:54.9	6.76	-73.11	145	1.6	0.2	143	8	LOS SANTOS (SANTANDER)
943	Jul 25 2016	05:26: 7.5	6.74	-73.17	141	1.2	0.4	230	9	LOS SANTOS (SANTANDER)
944	Jul 25 2016	06:40:27.4	5.92	-73.57	125	1.5	0.2	148	9	BARBOSA (SANTANDER)
945	Jul 25 2016	06:50:23.7	6.79	-73.14	144	1.8	0.4	137	24	LOS SANTOS (SANTANDER)
946	Jul 25 2016	07:33: 2.4	6.64	-73.46	111	1.5	0.3	129	9	EL CARMEN (SANTANDER)
947	Jul 25 2016	07:46: 9.1	6.76	-73.12	138	1.9	0.4	141	12	LOS SANTOS (SANTANDER)
948	Jul 25 2016	07:47:16.0	5.75	-73.91	109	2.0	0.3	157	10	ALBANIA (SANTANDER)
949	Jul 25 2016	07:48:48.2	6.82	-73.10	150	2.8	0.5	72	41	LOS SANTOS (SANTANDER)
950	Jul 25 2016	07:53:30.6	6.80	-73.12	148	1.8	0.3	140	12	LOS SANTOS (SANTANDER)
951	Jul 25 2016	07:58: 7.0	4.48	-75.68	Sup	0.8	0.4	99	12	ARMENIA (QUINDIO)
952	Jul 25 2016	08:02:13.2	6.86	-73.07	154	1.2	0.1	249	8	LOS SANTOS (SANTANDER)
953	Jul 25 2016	08:36:24.5	2.25	-75.67	11	0.7	0.4	107	10	GARZON (HUILA)
954	Jul 25 2016	08:41:41.1	6.78	-73.00	147	1.8	0.3	250	16	CEPITA (SANTANDER)
955	Jul 25 2016	09:08:46.3	6.85	-73.27	124	1.5	0.3	221	16	ZAPATOCA (SANTANDER)
956	Jul 25 2016	09:47:22.9	6.76	-73.11	150	1.8	0.3	238	10	LOS SANTOS (SANTANDER)
957	Jul 25 2016	10:01:26.4	6.73	-73.13	146	1.8	0.3	93	15	JORDAN (SANTANDER)
958	Jul 25 2016	10:37:27.0	4.48	-73.42	9	1.6	0.6	140	9	MEDINA (CUNDINAMARCA)
959	Jul 25 2016	10:46:41.6	6.74	-73.15	146	1.5	0.4	232	11	LOS SANTOS (SANTANDER)
960	Jul 25 2016	13:50:39.5	6.81	-72.98	145	1.8	0.5	310	10	CEPITA (SANTANDER)
961	Jul 25 2016	14:51:33.1	6.81	-73.15	146	2.5	0.4	70	41	LOS SANTOS (SANTANDER)
962	Jul 25 2016	16:24: 7.3	6.58	-73.41	122	1.7	0.3	148	8	HATO (SANTANDER)
963	Jul 25 2016	17:45: 9.8	6.78	-73.12	146	1.6	0.5	141	9	LOS SANTOS (SANTANDER)
964	Jul 25 2016	18:08:26.8	6.76	-73.04	151	1.9	0.4	152	14	LOS SANTOS (SANTANDER)
965	Jul 25 2016	18:10:46.3	6.82	-73.14	145	2.9	0.5	70	42	LOS SANTOS (SANTANDER)
966	Jul 25 2016	20:26: 6.6	7.28	-74.01	22	1.3	0.5	196	10	PUERTO WILCHES (SANTANDER)
967	Jul 25 2016	22:18: 0.6	6.73	-73.18	144	1.7	0.4	227	10	VILLANUEVA (SANTANDER)
968	Jul 25 2016	22:48: 6.4	2.62	-79.57	Sup	2.5	0.8	294	16	O. PACIFICO SUR
969	Jul 25 2016	23:08:15.8	6.74	-73.18	147	1.5	0.3	229	9	VILLANUEVA (SANTANDER)
970	Jul 25 2016	23:14:34.4	6.84	-73.15	138	1.6	0.3	245	7	LOS SANTOS (SANTANDER)
971	Jul 25 2016	23:35: 2.5	6.40	-73.50	121	1.5	0.3	138	10	CONTRATACION (SANTANDER)
972	Jul 25 2016	23:43:42.8	5.48	-76.87	16	1.7	0.4	203	10	ALTO BAUDO (CHOCO)
973	Jul 25 2016	23:48:34.7	5.99	-73.99	88	1.8	0.5	96	18	LA BELLEZA (SANTANDER)
974	Jul 26 2016	00:53:49.9	4.98	-76.45	90	1.6	0.3	213	9	NOVITA (CHOCO)
975	Jul 26 2016	01:05: 5.3	6.78	-73.15	143	2.2	0.4	165	29	LOS SANTOS (SANTANDER)
976	Jul 26 2016	02:24:41.0	6.82	-73.19	155	1.2	0.3	234	9	ZAPATOCA (SANTANDER)
977	Jul 26 2016	03:27: 2.9	2.92	-76.44	79	1.6	0.4	154	14	SANTANDER DE QUILICHAO (CAUCA)
978	Jul 26 2016	03:39:31.2	4.32	-76.35	Sup	1.6	0.4	115	16	TRUJILLO (VALLE)
979	Jul 26 2016	03:39:31.5	6.73	-73.14	141	1.2	0.3	232	8	LOS SANTOS (SANTANDER)
980	Jul 26 2016	04:24:34.4	4.47	-75.67	Sup	1.2	0.5	100	16	ARMENIA (QUINDIO)
<u>981</u>	<u>Jul 26 2016</u>	<u>04:32:20.5</u>	<u>6.80</u>	<u>-73.15</u>	<u>152</u>	<u>4.7*</u>	<u>0.8</u>	<u>65</u>	<u>113</u>	<u>LOS SANTOS (SANTANDER)</u>
982	Jul 26 2016	04:45:18.2	6.80	-73.11	144	3.0	0.5	68	61	LOS SANTOS (SANTANDER)
983	Jul 26 2016	04:59:38.0	6.77	-73.15	146	1.6	0.3	136	14	LOS SANTOS (SANTANDER)
984	Jul 26 2016	05:01:18.5	6.80	-73.19	160	1.2	0.3	232	8	ZAPATOCA (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
985	Jul 26 2016	05:04:46.8	6.68	-73.25	156	1.4	0.5	191	9	BARICHARA (SANTANDER)
986	Jul 26 2016	05:09:57.2	6.78	-73.16	148	1.4	0.4	135	10	LOS SANTOS (SANTANDER)
987	Jul 26 2016	05:15: 4.4	6.77	-73.16	150	1.4	0.3	135	9	LOS SANTOS (SANTANDER)
988	Jul 26 2016	06:37:23.2	6.82	-76.41	46	1.2	0.4	247	10	DABEIBA (ANTIOQUIA)
989	Jul 26 2016	07:08:10.1	6.71	-73.15	157	1.2	0.2	248	8	VILLANUEVA (SANTANDER)
990	Jul 26 2016	07:39:41.0	6.72	-73.18	155	1.3	0.4	228	8	VILLANUEVA (SANTANDER)
991	Jul 26 2016	07:59:34.1	6.77	-73.14	148	1.7	0.3	153	10	LOS SANTOS (SANTANDER)
992	Jul 26 2016	08:20:36.4	6.91	-74.78	29	1.5	0.4	92	12	REMEDIOS (ANTIOQUIA)
993	Jul 26 2016	08:44:47.5	4.72	-76.06	121	2.4	0.6	46	46	ARGELIA (VALLE)
994	Jul 26 2016	08:52:41.1	5.82	-73.71	107	1.1	0.3	247	8	PUENTE NACIONAL (SANTANDER)
995	Jul 26 2016	09:07:29.2	0.48	-77.31	Sup	2.3	0.4	207	14	VALLE DEL GUAMUEZ (PUTUMAYO)
996	Jul 26 2016	09:08:43.8	6.70	-73.37	119	1.0	0.4	159	8	GALAN (SANTANDER)
997	Jul 26 2016	10:40: 0.9	6.76	-73.14	140	1.8	0.4	138	12	LOS SANTOS (SANTANDER)
998	Jul 26 2016	12:07:10.5	8.53	-73.38	120	1.8	0.4	139	16	EL CARMEN (N.SANTANDER)
999	Jul 26 2016	13:01:20.2	6.80	-73.13	147	2.1	0.4	120	24	LOS SANTOS (SANTANDER)
1000	Jul 26 2016	17:08:43.0	6.74	-73.13	146	1.5	0.4	234	10	LOS SANTOS (SANTANDER)
1001	Jul 26 2016	17:33:32.2	4.70	-76.31	111	1.8	0.5	132	26	EL CAIRO (VALLE)
1002	Jul 26 2016	18:01:36.7	6.53	-73.51	108	2.1	0.7	99	18	EL CARMEN (SANTANDER)
1003	Jul 26 2016	19:09:44.8	6.81	-73.17	146	1.6	0.3	145	8	ZAPATOCA (SANTANDER)
1004	Jul 26 2016	19:11: 4.3	2.37	-74.33	Sup	2.0	0.6	124	14	SAN VICENTE DEL CAGUAN (CAQUETA)
1005	Jul 26 2016	20:21:10.6	6.19	-74.84	Sup	1.1	0.5	138	8	SAN CARLOS (ANTIOQUIA)
1006	Jul 26 2016	22:34:25.0	6.75	-73.15	144	1.4	0.4	137	10	LOS SANTOS (SANTANDER)
1007	Jul 27 2016	00:23:27.3	3.71	-71.41	Sup	1.7	0.2	317	8	PUERTO GAITAN (META)
1008	Jul 27 2016	01:34:24.3	6.74	-73.23	148	1.5	0.2	212	12	ZAPATOCA (SANTANDER)
1009	Jul 27 2016	01:44: 6.7	6.79	-73.14	144	1.0	0.2	237	8	LOS SANTOS (SANTANDER)
1010	Jul 27 2016	01:45:46.4	6.32	-72.69	Sup	0.8	0.2	274	8	SOATA (BOYACA)
1011	Jul 27 2016	02:12:44.8	11.02	-73.53	40	1.8	0.3	144	8	PUEBLO BELLO (CESAR)
1012	Jul 27 2016	02:22:13.6	6.67	-73.21	150	1.5	0.2	208	12	BARICHARA (SANTANDER)
1013	Jul 27 2016	03:12:21.3	6.68	-73.17	124	0.8	0.3	226	10	VILLANUEVA (SANTANDER)
1014	Jul 27 2016	03:30: 9.3	6.82	-73.16	153	1.2	0.4	238	12	LOS SANTOS (SANTANDER)
1015	Jul 27 2016	04:21: 5.9	6.87	-72.98	147	1.2	0.3	257	8	CEPITA (SANTANDER)
1016	Jul 27 2016	04:36:34.2	6.69	-73.62	106	1.1	0.2	115	10	EL CARMEN (SANTANDER)
1017	Jul 27 2016	04:44:44.2	6.05	-73.66	117	2.3	0.4	64	38	CHIPATA (SANTANDER)
1018	Jul 27 2016	04:53: 1.3	6.27	-73.73	101	0.6	0.2	170	8	LANDAZURI (SANTANDER)
1019	Jul 27 2016	04:58:37.1	6.58	-73.16	148	1.1	0.2	220	10	SAN GIL (SANTANDER)
1020	Jul 27 2016	05:30:50.7	6.76	-73.14	138	1.6	0.4	209	28	LOS SANTOS (SANTANDER)
1021	Jul 27 2016	05:51:50.2	6.76	-73.17	148	1.6	0.3	232	26	LOS SANTOS (SANTANDER)
1022	Jul 27 2016	06:16:45.1	5.74	-73.88	111	2.6	0.4	52	48	ALBANIA (SANTANDER)
1023	Jul 27 2016	06:27:11.5	10.15	-72.86	20	1.6	0.4	195	10	FRONTERA CON VENEZUELA
1024	Jul 27 2016	06:37:17.9	6.76	-73.18	145	1.7	0.3	230	14	LOS SANTOS (SANTANDER)
1025	Jul 27 2016	08:29:53.8	6.15	-73.81	95	1.2	0.3	152	10	LANDAZURI (SANTANDER)
1026	Jul 27 2016	08:31:29.0	6.80	-73.15	150	1.4	0.5	247	10	LOS SANTOS (SANTANDER)
1027	Jul 27 2016	08:59:45.5	6.77	-73.17	154	1.1	0.4	232	10	LOS SANTOS (SANTANDER)
1028	Jul 27 2016	09:39:54.1	7.33	-73.23	136	1.7	0.1	260	8	RIONEGRO (SANTANDER)
1029	Jul 27 2016	10:36:25.6	7.11	-73.11	131	2.0	0.5	215	20	BUCARAMANGA (SANTANDER)
1030	Jul 27 2016	10:42:18.8	4.72	-75.17	Sup	1.3	0.3	143	12	SANTA ISABEL (TOLIMA)
1031	Jul 27 2016	10:55:57.7	6.85	-73.28	119	2.1	0.4	110	25	BETULIA (SANTANDER)
1032	Jul 27 2016	13:46: 0.6	6.86	-76.62	Sup	1.3	0.4	262	13	MURINDO (ANTIOQUIA)
1033	Jul 27 2016	15:19:15.7	4.82	-74.63	11	1.5	0.6	91	20	SAN JUAN DE RIOSECO (CUNDINAMARCA)
1034	Jul 27 2016	15:26:39.4	1.97	-75.94	Sup	1.9	0.3	117	17	TIMANA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1035	Jul 27 2016	15:32:50.0	6.36	-72.24	18	1.8	0.6	159	10	GUICAN (BOYACA)
1036	Jul 27 2016	16:44:29.6	6.76	-73.13	147	1.9	0.4	139	22	LOS SANTOS (SANTANDER)
1037	Jul 27 2016	17:12:57.4	7.01	-73.93	97	1.7	0.5	146	10	YONDO (ANTIOQUIA)
1038	Jul 27 2016	23:41:10.0	6.80	-73.15	143	3.1	0.5	102	45	LOS SANTOS (SANTANDER)
1039	Jul 28 2016	00:22:53.7	6.63	-73.09	150	1.7	0.5	232	18	CURITI (SANTANDER)
1040	Jul 28 2016	02:16:37.7	6.11	-73.64	110	1.3	0.3	179	13	CHIPATA (SANTANDER)
1041	Jul 28 2016	03:55:52.6	6.32	-73.48	121	1.7	0.5	72	24	CONTRATACION (SANTANDER)
1042	Jul 28 2016	04:10:28.0	6.07	-73.70	116	1.3	0.2	175	14	VELEZ (SANTANDER)
1043	Jul 28 2016	04:27:27.5	6.89	-73.11	154	1.7	0.4	249	14	PIEDECUENTA (SANTANDER)
1044	Jul 28 2016	05:06: 1.4	5.98	-73.75	123	1.5	0.3	163	16	BOLIVAR (SANTANDER)
1045	Jul 28 2016	06:27:38.0	6.77	-73.11	141	2.1	0.2	142	24	LOS SANTOS (SANTANDER)
1046	Jul 28 2016	07:01:10.0	4.93	-76.01	97	0.7	0.2	133	7	EL AGUILA (VALLE)
1047	Jul 28 2016	07:13:33.7	6.52	-73.50	111	1.9	0.4	53	36	EL CARMEN (SANTANDER)
1048	Jul 28 2016	07:16: 2.8	6.54	-73.58	108	1.2	0.3	95	10	EL CARMEN (SANTANDER)
1049	Jul 28 2016	08:15: 9.4	6.71	-73.17	134	1.1	0.2	228	11	VILLANUEVA (SANTANDER)
1050	Jul 28 2016	09:05: 6.8	6.11	-76.76	23	1.5	0.3	228	16	MEDIO ATRATO (CHOCO)
1051	Jul 28 2016	10:58:29.5	6.82	-73.10	147	2.6	0.5	72	42	LOS SANTOS (SANTANDER)
1052	Jul 28 2016	11:22:14.5	6.76	-73.15	144	1.6	0.3	137	12	LOS SANTOS (SANTANDER)
1053	Jul 28 2016	11:34:36.7	2.25	-75.69	13	2.1	0.4	86	16	AGRADO (HUILA)
1054	Jul 28 2016	12:07:17.9	6.78	-73.11	148	2.6	0.4	68	38	LOS SANTOS (SANTANDER)
1055	Jul 28 2016	13:15:14.6	6.81	-73.09	147	2.0	0.4	143	16	LOS SANTOS (SANTANDER)
1056	Jul 28 2016	17:29:48.4	6.77	-73.09	144	1.9	0.2	145	12	LOS SANTOS (SANTANDER)
1057	Jul 28 2016	19:58:32.2	5.33	-76.50	41	1.2	0.2	230	8	TADO (CHOCO)
1058	Jul 28 2016	20:21:47.1	6.79	-73.17	143	2.2	0.3	134	18	LOS SANTOS (SANTANDER)
1059	Jul 28 2016	21:12:33.1	6.79	-73.15	142	1.6	0.5	136	8	LOS SANTOS (SANTANDER)
1060	Jul 28 2016	21:41:35.2	6.90	-73.13	134	1.6	0.4	282	8	PIEDECUENTA (SANTANDER)
1061	Jul 28 2016	21:53:23.2	4.86	-75.82	63	2.0	0.5	74	18	LA VIRGINIA (RISARALDA)
1062	Jul 28 2016	23:32:57.7	6.78	-73.09	133	1.9	0.5	241	20	LOS SANTOS (SANTANDER)
1063	Jul 28 2016	23:41:44.0	6.68	-73.19	143	1.4	0.4	223	8	VILLANUEVA (SANTANDER)
1064	Jul 29 2016	00:18:36.1	5.28	-74.63	10	1.4	0.3	121	21	HONDA (TOLIMA)
1065	Jul 29 2016	01:00:58.7	5.26	-73.73	148	2.4	0.4	78	34	CUCUNUBA (CUNDINAMARCA)
1066	Jul 29 2016	01:08:43.5	6.74	-73.12	154	1.1	0.4	236	8	LOS SANTOS (SANTANDER)
1067	Jul 29 2016	01:13: 6.0	6.87	-73.13	150	1.6	0.3	133	16	LOS SANTOS (SANTANDER)
1068	Jul 29 2016	01:17:57.8	6.85	-73.07	151	1.5	0.4	143	10	LOS SANTOS (SANTANDER)
1069	Jul 29 2016	01:18:51.6	5.28	-76.21	92	2.1	0.4	125	32	PUEBLO RICO (RISARALDA)
1070	Jul 29 2016	02:57: 2.1	4.19	-76.28	132	1.7	0.5	156	17	RIOFRIO (VALLE)
1071	Jul 29 2016	03:02: 9.3	9.29	-74.82	Sup	1.9	0.3	125	10	MAGANGUE (BOLIVAR)
1072	Jul 29 2016	03:21:31.5	3.89	-76.19	149	2.0	0.5	96	32	BUGA (VALE)
1073	Jul 29 2016	03:56:31.1	6.82	-73.31	120	1.2	0.2	206	10	ZAPATOCA (SANTANDER)
1074	Jul 29 2016	04:01:30.1	6.84	-73.23	120	1.6	0.4	230	20	ZAPATOCA (SANTANDER)
1075	Jul 29 2016	04:36:37.7	9.08	-77.88	69	3.6	0.6	147	76	MAR CARIBE PANAMA
1076	Jul 29 2016	04:50:58.8	6.93	-74.45	12	1.1	0.4	113	10	REMEDIOS (ANTIOQUIA)
1077	Jul 29 2016	05:07:26.2	5.67	-76.97	32	1.3	0.2	184	8	ALTO BAUDO (CHOCO)
1078	Jul 29 2016	05:16:46.2	6.75	-73.15	146	1.5	0.2	233	10	LOS SANTOS (SANTANDER)
1079	Jul 29 2016	05:53:37.1	7.26	-71.97	Sup	1.5	0.5	303	14	FRONTERA CON VENEZUELA
1080	Jul 29 2016	06:09:40.6	6.78	-73.16	151	1.2	0.2	235	9	LOS SANTOS (SANTANDER)
1081	Jul 29 2016	06:54:59.0	8.08	-73.44	97	1.7	0.3	283	12	SAN MARTIN (CESAR)
1082	Jul 29 2016	06:56:15.1	5.91	-73.73	116	0.9	0.3	140	8	GUAVATA (SANTANDER)
1083	Jul 29 2016	07:53:46.2	6.35	-73.56	111	1.3	0.2	82	15	SANTA HELENA DEL OPO (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1084	Jul 29 2016	09:14:55.7	4.67	-74.61	79	0.9	0.3	167	8	PULI (CUNDINAMARCA)
1085	Jul 29 2016	09:54:41.2	6.70	-73.15	140	1.1	0.3	241	8	VILLANUEVA (SANTANDER)
1086	Jul 29 2016	10:10:30.4	4.16	-76.28	106	1.1	0.4	163	8	RIOFRIO (VALLE)
1087	Jul 29 2016	10:47: 2.0	6.78	-73.09	152	1.6	0.4	242	10	LOS SANTOS (SANTANDER)
1088	Jul 29 2016	13:43:24.2	6.35	-73.52	119	2.5	0.5	72	33	CONTRATACION (SANTANDER)
1089	Jul 29 2016	13:58:43.8	6.79	-73.14	141	2.3	0.4	137	14	LOS SANTOS (SANTANDER)
1090	Jul 29 2016	14:49:18.0	6.75	-73.19	148	1.6	0.4	228	8	VILLANUEVA (SANTANDER)
1091	Jul 29 2016	16:06:23.8	6.82	-73.15	141	1.7	0.2	134	11	LOS SANTOS (SANTANDER)
1092	Jul 29 2016	16:54:49.6	3.20	-74.75	Sup	1.9	0.6	90	25	COLOMBIA (HUILA)
1093	Jul 29 2016	17:57: 3.2	8.23	-73.56	103	1.9	0.4	208	14	AGUACHICA (CESAR)
1094	Jul 29 2016	18:37: 6.2	6.76	-73.16	142	1.5	0.3	136	10	LOS SANTOS (SANTANDER)
1095	Jul 29 2016	19:19:15.2	5.25	-73.71	148	2.5	0.5	65	43	LENGUAZAQUE (CUNDINAMARCA)
1096	Jul 29 2016	19:36:20.2	6.79	-73.15	139	1.8	0.2	135	14	LOS SANTOS (SANTANDER)
1097	Jul 29 2016	19:42:11.1	7.56	-74.21	29	1.6	0.4	180	14	SAN PABLO (BOLIVAR)
1098	Jul 29 2016	19:58: 8.3	6.78	-73.08	144	1.7	0.4	145	13	LOS SANTOS (SANTANDER)
1099	Jul 29 2016	20:21:27.5	4.76	-75.17	Sup	1.1	0.3	143	8	SANTA ISABEL (TOLIMA)
1100	Jul 29 2016	20:36:17.8	6.73	-73.15	151	1.6	0.3	139	13	LOS SANTOS (SANTANDER)
1101	Jul 29 2016	22:00:41.9	6.80	-73.14	149	2.3	0.4	137	31	LOS SANTOS (SANTANDER)
1102	Jul 29 2016	22:38:43.6	5.37	-75.84	Sup	1.6	0.4	118	16	GUATICA (RISARALDA)
1103	Jul 29 2016	23:03:21.6	7.43	-75.39	31	1.4	0.2	150	8	TARAZA (ANTIOQUIA)
1104	Jul 29 2016	23:19: 4.0	6.78	-73.14	143	2.2	0.4	137	26	LOS SANTOS (SANTANDER)
1105	Jul 29 2016	23:50:45.1	6.74	-73.17	147	1.5	0.4	230	8	LOS SANTOS (SANTANDER)
1106	Jul 30 2016	00:04:40.7	6.81	-73.14	150	3.0	0.4	71	58	LOS SANTOS (SANTANDER)
1107	Jul 30 2016	00:10:53.0	6.80	-73.14	146	2.2	0.4	120	40	LOS SANTOS (SANTANDER)
1108	Jul 30 2016	00:14:14.2	6.74	-73.10	143	1.8	0.4	104	38	LOS SANTOS (SANTANDER)
1109	Jul 30 2016	00:18:38.8	6.75	-73.09	143	1.7	0.4	145	18	LOS SANTOS (SANTANDER)
1110	Jul 30 2016	01:30:43.9	6.78	-73.08	144	1.9	0.4	98	28	LOS SANTOS (SANTANDER)
1111	Jul 30 2016	02:16:44.6	10.94	-73.90	23	1.3	0.3	141	8	PUEBLO BELLO (CESAR)
1112	Jul 30 2016	02:21: 2.1	4.54	-77.87	61	1.6	0.2	277	8	O. PACIFICO CENTRO
1113	Jul 30 2016	02:23: 1.0	4.56	-78.01	66	1.3	0.2	290	8	O. PACIFICO CENTRO
1114	Jul 30 2016	02:40:56.2	6.78	-73.14	140	1.9	0.4	137	34	LOS SANTOS (SANTANDER)
1115	Jul 30 2016	02:49:20.7	2.34	-75.56	Sup	2.4	0.6	61	44	GIGANTE (HUILA)
1116	Jul 30 2016	02:55:58.6	11.00	-74.03	16	1.7	0.6	121	11	PUEBLO BELLO (CESAR)
1117	Jul 30 2016	04:11: 4.7	7.46	-73.15	122	1.4	0.4	267	12	EL PLAYON (SANTANDER)
1118	Jul 30 2016	04:29:34.6	6.78	-73.19	154	1.1	0.3	230	8	ZAPATOCA (SANTANDER)
1119	Jul 30 2016	05:32:44.5	3.40	-74.76	Sup	2.0	0.7	133	36	COLOMBIA (HUILA)
1120	Jul 30 2016	05:41:13.6	6.93	-73.19	142	1.1	0.3	245	8	BETULIA (SANTANDER)
1121	Jul 30 2016	05:46:26.0	11.43	-74.63	18	1.6	0.1	264	8	MAR CARIBE
1122	Jul 30 2016	05:46:36.7	6.86	-72.27	Sup	1.2	0.4	212	8	CUBARA (BOYACA)
1123	Jul 30 2016	06:02:48.2	6.76	-73.12	147	1.4	0.2	237	10	LOS SANTOS (SANTANDER)
1124	Jul 30 2016	06:06:13.8	6.79	-73.11	152	1.6	0.6	222	22	LOS SANTOS (SANTANDER)
1125	Jul 30 2016	06:21:34.5	6.63	-77.84	8	2.0	0.5	226	20	O. PACIFICO NORTE
1126	Jul 30 2016	07:36:41.3	5.63	-74.35	Sup	0.7	0.4	160	8	LA VICTORIA (BOYACA)
1127	Jul 30 2016	07:55:19.1	6.45	-73.19	27	1.0	0.4	164	9	PARAMO (SANTANDER)
1128	Jul 30 2016	07:56:37.5	3.14	-78.95	22	1.4	0.3	299	11	O. PACIFICO SUR
1129	Jul 30 2016	08:04:29.8	3.90	-76.36	111	1.2	0.2	172	8	YOTOCO (VALLE)
1130	Jul 30 2016	08:04:37.9	6.81	-73.13	146	2.0	0.4	137	34	LOS SANTOS (SANTANDER)
1131	Jul 30 2016	08:08:26.0	6.81	-73.13	148	2.3	0.5	71	40	LOS SANTOS (SANTANDER)
1132	Jul 30 2016	08:23:51.4	3.90	-76.38	113	1.4	0.4	174	8	YOTOCO (VALLE)
1133	Jul 30 2016	08:34:13.5	5.23	-76.11	66	3.2	0.5	61	73	PUEBLO RICO (RISARALDA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1134	Jul 30 2016	09:01:42.8	6.75	-73.15	147	1.5	0.4	233	10	LOS SANTOS (SANTANDER)
1135	Jul 30 2016	09:15: 2.0	5.25	-76.14	75	1.2	0.2	170	8	PUEBLO RICO (RISARALDA)
1136	Jul 30 2016	09:38:42.7	5.28	-73.76	149	1.3	0.4	168	12	CUCUNUBA (CUNDINAMARCA)
1137	Jul 30 2016	09:55:38.1	5.89	-75.48	Sup	0.9	0.5	126	8	MONTEBELLO (ANTIOQUIA)
1138	Jul 30 2016	10:12:24.9	6.79	-73.13	145	1.5	0.2	139	16	LOS SANTOS (SANTANDER)
1139	Jul 30 2016	10:17: 2.1	6.77	-73.18	141	1.2	0.3	274	9	LOS SANTOS (SANTANDER)
1140	Jul 30 2016	10:32:45.3	5.26	-76.13	69	1.4	0.3	169	18	PUEBLO RICO (RISARALDA)
1141	Jul 30 2016	10:33:47.0	5.24	-76.12	63	1.8	0.4	165	24	PUEBLO RICO (RISARALDA)
1142	Jul 30 2016	10:38: 6.0	5.89	-73.76	117	1.5	0.3	141	14	JESUS MARIA (SANTANDER)
1143	Jul 30 2016	12:04:25.4	6.74	-73.12	152	1.2	0.3	236	11	LOS SANTOS (SANTANDER)
1144	Jul 30 2016	12:07:16.7	6.77	-73.17	143	1.7	0.2	233	14	LOS SANTOS (SANTANDER)
1145	Jul 30 2016	12:27:10.6	6.71	-73.22	144	1.6	0.2	211	8	VILLANUEVA (SANTANDER)
1146	Jul 30 2016	12:27:51.6	6.78	-73.11	144	2.5	0.5	98	38	LOS SANTOS (SANTANDER)
1147	Jul 30 2016	13:05: 6.1	6.75	-73.13	133	1.7	0.4	140	18	LOS SANTOS (SANTANDER)
1148	Jul 30 2016	15:21:45.0	11.48	-72.29	Sup	2.2	0.4	182	8	MANAURE BALCON CESAR (CESAR)
1149	Jul 30 2016	15:29:16.9	7.57	-73.06	151	2.3	0.5	80	31	EL PLAYON (SANTANDER)
1150	Jul 30 2016	15:29:16.9	7.56	-73.06	151	2.3	0.5	77	33	EL PLAYON (SANTANDER)
1151	Jul 30 2016	16:24:40.7	6.76	-73.15	150	1.6	0.3	234	14	LOS SANTOS (SANTANDER)
1152	Jul 30 2016	19:40:34.9	6.83	-73.09	152	2.6	0.5	103	45	LOS SANTOS (SANTANDER)
1153	Jul 30 2016	19:55:13.7	11.51	-72.32	Sup	2.2	0.4	161	8	MANAURE BALCON CESAR (CESAR)
1154	Jul 30 2016	20:53:10.4	6.12	-73.59	123	1.5	0.3	229	8	LA PAZ (SANTANDER)
1155	Jul 30 2016	21:52: 8.8	7.55	-75.27	42	1.6	0.2	151	8	CACERES (ANTIOQUIA)
1156	Jul 30 2016	22:01:18.9	12.05	-72.10	Sup	2.7	0.4	275	8	MANAURE BALCON CESAR (CESAR)
1157	Jul 30 2016	23:41:24.0	6.79	-72.99	142	1.6	0.5	252	10	CEPITA (SANTANDER)
1158	Jul 31 2016	01:12:38.7	6.80	-73.12	143	2.1	0.4	101	32	LOS SANTOS (SANTANDER)
1159	Jul 31 2016	01:13:57.1	6.80	-73.12	149	2.5	0.4	72	46	LOS SANTOS (SANTANDER)
1160	Jul 31 2016	01:32:24.4	6.86	-73.08	140	1.7	0.4	248	22	LOS SANTOS (SANTANDER)
1161	Jul 31 2016	01:37:10.4	6.80	-73.05	143	1.4	0.3	247	8	LOS SANTOS (SANTANDER)
1162	Jul 31 2016	02:10:31.2	7.03	-72.14	Sup	1.6	0.3	107	14	CUBARA (BOYACA)
1163	Jul 31 2016	02:10:57.0	5.80	-76.55	21	1.2	0.5	270	10	QUIBDO (CHOCO)
1164	Jul 31 2016	02:12:20.0	7.16	-72.13	Sup	1.1	0.5	121	12	CUBARA (BOYACA)
1165	Jul 31 2016	02:35:54.4	7.15	-72.10	Sup	1.5	0.7	121	14	FRONTERA CON VENEZUELA
1166	Jul 31 2016	03:03: 7.9	5.67	-76.73	13	1.2	0.6	268	10	QUIBDO (CHOCO)
1167	Jul 31 2016	03:53:19.4	6.29	-76.81	Sup	1.2	0.5	310	8	BOJAYA (CHOCO)
1168	Jul 31 2016	04:03:50.3	5.49	-77.06	67	1.9	0.4	126	20	ALTO BAUDO (CHOCO)
1169	Jul 31 2016	04:11: 1.2	6.70	-74.21	30	1.0	0.3	162	12	PUERTO PARRA (SANTANDER)
1170	Jul 31 2016	04:17:41.2	4.95	-72.86	Sup	2.4	0.7	100	36	MONTERREY (CASANARE)
1171	Jul 31 2016	05:16:33.3	8.25	-72.09	Sup	2.4	0.8	104	31	FRONTERA CON VENEZUELA
1172	Jul 31 2016	05:29:45.9	6.76	-73.11	145	1.5	0.3	142	14	LOS SANTOS (SANTANDER)
1173	Jul 31 2016	05:40:26.4	6.78	-73.13	145	1.4	0.3	237	14	LOS SANTOS (SANTANDER)
1174	Jul 31 2016	06:03:10.6	6.78	-73.04	141	1.2	0.3	151	15	LOS SANTOS (SANTANDER)
1175	Jul 31 2016	06:15: 6.6	7.34	-73.12	7	1.3	0.4	176	12	RIONEGRO (SANTANDER)
1176	Jul 31 2016	06:24:52.7	4.48	-75.68	Sup	0.8	0.4	99	12	ARMENIA (QUINDIO)
1177	Jul 31 2016	06:50:14.4	6.79	-73.23	121	1.5	0.4	121	12	ZAPATOCA (SANTANDER)
1178	Jul 31 2016	06:53:55.6	3.86	-71.37	Sup	1.6	0.4	264	7	PUERTO GAITAN (META)
1179	Jul 31 2016	09:27:48.3	6.82	-73.09	148	2.4	0.5	123	39	LOS SANTOS (SANTANDER)
1180	Jul 31 2016	10:09: 1.7	6.80	-73.11	145	1.3	0.3	140	12	LOS SANTOS (SANTANDER)
1181	Jul 31 2016	11:26:58.4	7.44	-75.31	30	2.3	0.4	81	21	CACERES (ANTIOQUIA)
1182	Jul 31 2016	11:54:11.4	7.26	-76.06	Sup	1.9	0.4	198	14	PEQUE (ANTIOQUIA)
1183	Jul 31 2016	13:56: 2.8	5.33	-73.77	152	1.8	0.5	231	10	UBATE (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1184	Jul 31 2016	15:20: 6.6	8.58	-75.05	Sup	2.3	0.5	123	16	SAN MARCOS (SUCRE)
1185	Jul 31 2016	17:18:13.9	6.79	-73.09	143	1.5	0.3	143	7	LOS SANTOS (SANTANDER)
1186	Jul 31 2016	17:27:39.8	6.78	-73.09	141	1.7	0.6	169	7	LOS SANTOS (SANTANDER)
1187	Jul 31 2016	17:37:46.5	6.80	-73.14	147	2.3	0.4	102	31	LOS SANTOS (SANTANDER)
1188	Jul 31 2016	17:50:55.9	6.75	-73.09	141	1.6	0.3	146	8	LOS SANTOS (SANTANDER)
1189	Jul 31 2016	18:48: 9.9	6.70	-76.76	18	1.8	0.5	238	18	VIGIA DEL FUERTE (ANTIOQUIA)
1190	Jul 31 2016	19:00:18.7	6.81	-73.13	139	2.6	0.5	103	39	LOS SANTOS (SANTANDER)
1191	Jul 31 2016	19:13: 1.4	6.80	-73.11	147	2.4	0.5	140	28	LOS SANTOS (SANTANDER)
1192	Jul 31 2016	19:59:24.4	5.38	-72.85	Sup	1.8	0.1	173	8	AQUITANIA (BOYACA)
1193	Jul 31 2016	20:49:36.9	6.80	-73.15	138	1.3	0.2	135	12	LOS SANTOS (SANTANDER)
1194	Jul 31 2016	21:13:21.0	6.80	-73.16	143	2.7	0.4	134	33	LOS SANTOS (SANTANDER)