



BOLETÍN DE SISMOS

noviembre de 2016

Red Sismológica Nacional de Colombia ó RSNC ó

Volumen 24, No. 11

Bogotá, octubre de 2017

República de Colombia
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA
SERVICIO GEOLÓGICO COLOMBIANO**



Boletín de Sismos: noviembre de 2016

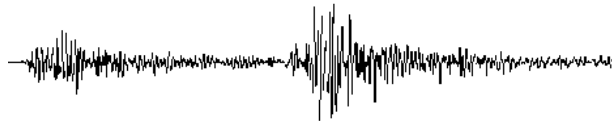
Red Sismológica Nacional de Colombia

SGC

SERVICIO GEOLÓGICO
COLOMBIANO

AMENAZAS
GEOLÓGICAS Y
ENTORNO AMBIENTAL

Red Sismológica
Nacional de Colombia
RSNC



BOLETÍN PRELIMINAR DE SISMOS
noviembre de 2016
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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,

Geól. Jaime Raigosa Arango.

Coordinador.

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Dra. Marta Lucia Calvache

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FUNCIONAMIENTO DE LAS ESTACIONES RSNC

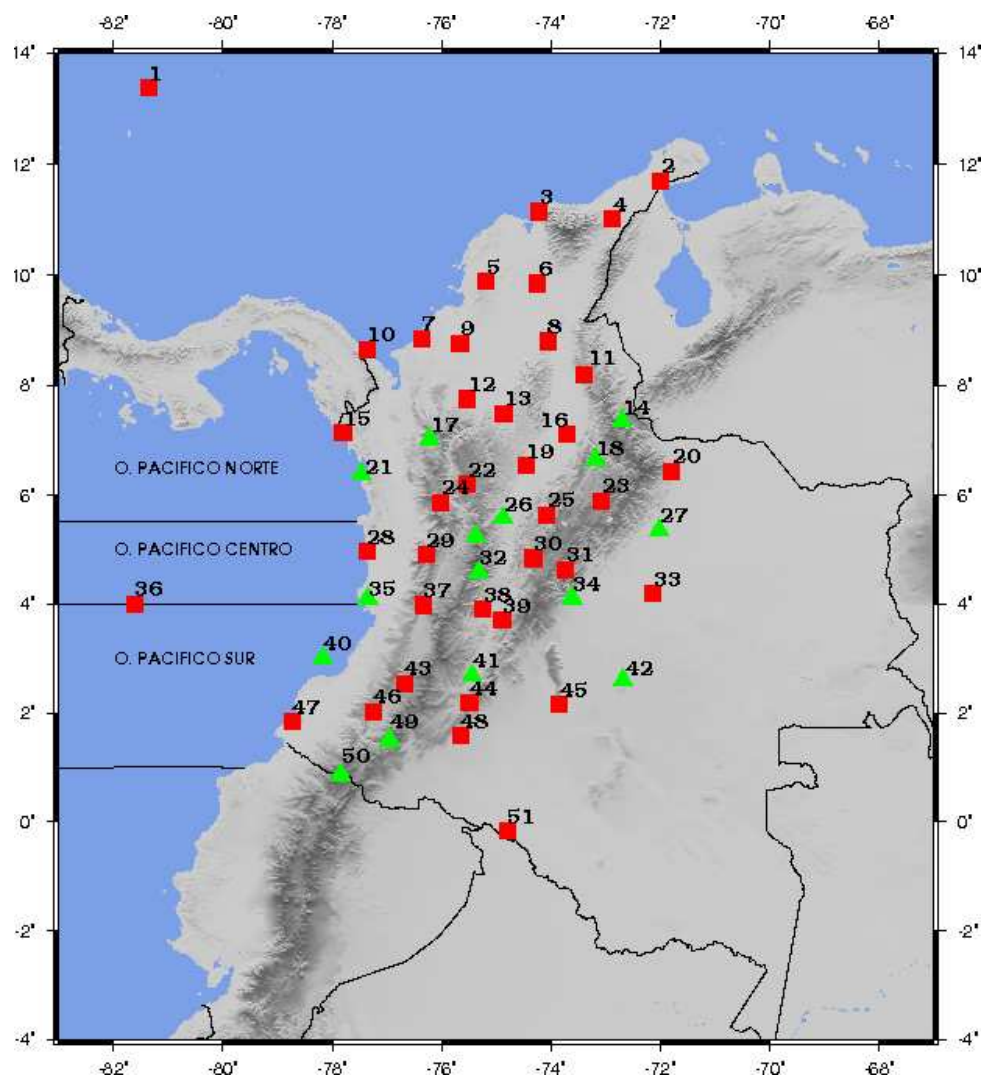
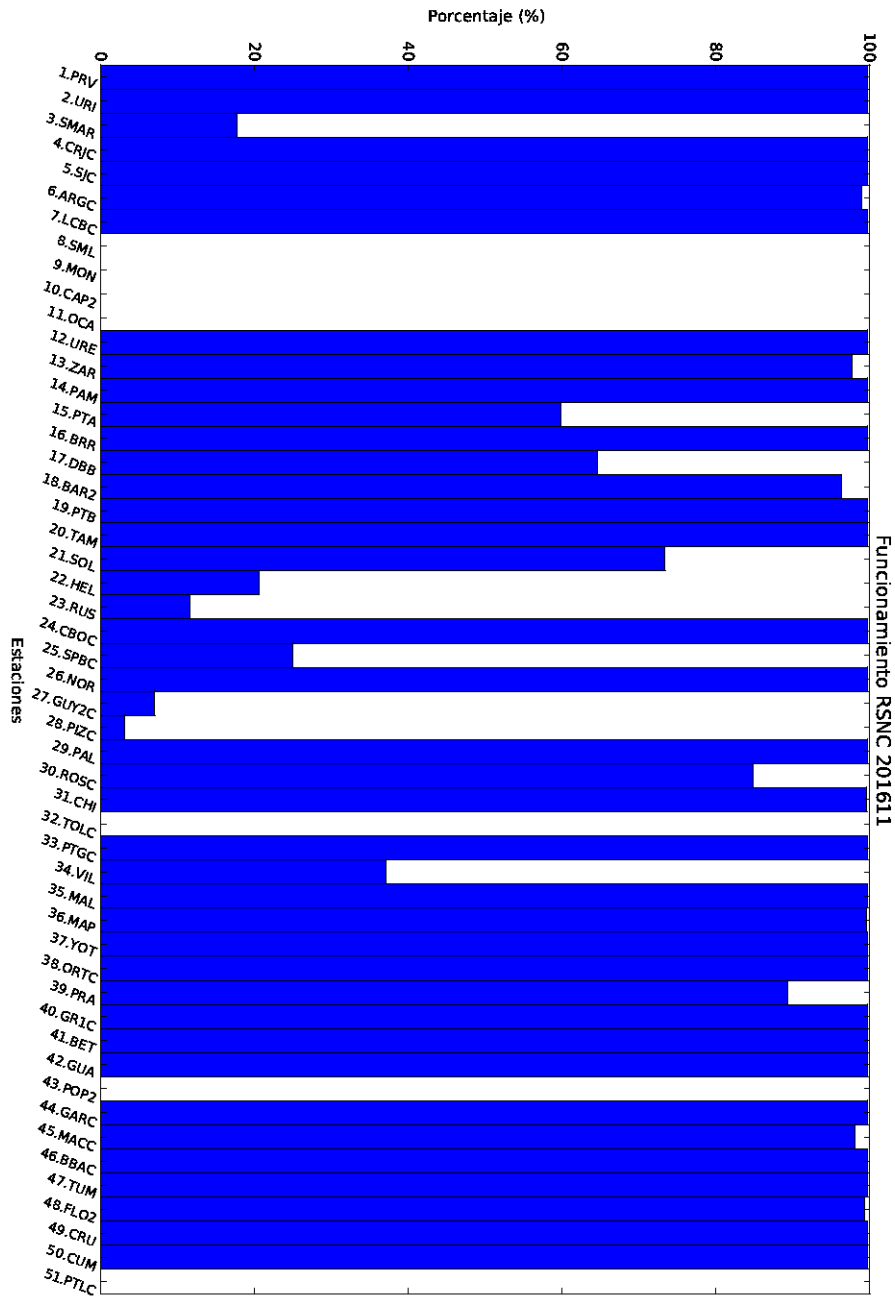


Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

No.	Tipo de Sensor*	Nombre de la Estación	%
1	BB	PROVIDENCIA	99.72
2	BB	URIBIA	99.72
3	BB	SANTA MARTA	17.63
4	BB	CERREJON	99.72
5	BB	SAN JACINTO	99.72
6	BB	ARIGUANI	98.99
7	BB	LOS CORDOBAS	99.72
8	BB	SAN MARTIN DE LOBA	00.00
9	BB	MONTERÍA	00.00
10	BB	CAPURGANÁ	00.00
11	BB	OCAÑA	00.00
12	BB	SAN JOSE DE URE	99.72
13	BB	ZARAGOZA	97.64
14	BB	PAMPLONA	99.72
15	SP	PUNTA ARDITA	59.84
16	BB	BARRANCA	99.72
17	BB	DABEIBA	64.53
18	SP	BARICHARA	96.37
19	SP	PUERTO BERRIO	99.72
20	BB	TAME	99.72
21	BB	SOLANO	73.33
22	SP	ST.HELENA	20.55
23	BB	LA RUSIA	11.53
24	BB	CIUDAD BOLIVAR	99.72
25	BB	SAN PABLO DE BORBUR	25.00
26	BB	NORCASIA	99.72
27	SP	GUYANA	06.94
28	SP	PIZARRO	03.05
29	BB	SAN JOSE DEL PALMAR	99.72
30	BB	EL ROSAL (CTBTO)	84.76
31	BB	CHINGAZA	99.57
32	BB	TOLIMA	0.00
33	SP	PUERTO GAITAN	99.72
34	BB	VILLAVICENCIO	37.08
35	SP	MALAGA	99.72
36	SP	MALPELO	99.51
37	BB	YOTOCO	99.72
38	BB	ORTEGA	99.72
39	BB	PRADO	89.28
40	BB	GORGONA	99.72
41	SP	BETANIA	99.72
42	BB	GUAVIARE	99.72
43	SP	POPAYAN	00.00
44	SP	GARZON	99.72
45	BB	MACARENA	98.09
46	BB	BALBOA	99.72
47	BB	TUMACO	99.72
48	BB	FLORENCIA	99.30
49	BB	LA CRUZ	99.72
50	SP	CUMBAL	99.72
51	BB	PUERTO LEGUIZAMO	00.00

* SP = Período corto
BB = Banda ancha

HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



SISMICIDAD DE NOVIEMBRE DE 2016

Durante el mes de noviembre se registraron 3198 eventos, de los cuales: 3198 corresponden a eventos locales y de estos se localizaron 1427, 0 fueron Regionales y 0 Distantes. De los eventos localizados, 10 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 noviembre de 2016

N	FECHA	H:M:S	LAT	LONG	Z	Mw	RMS	GAP	NF	UBICACION
290	Nov 6 2016	15:12:51.8	4.62	-75.90	16	2.9	0.6	60	47	OBANDO (VALLE)*
297	Nov 6 2016	21:31: 1.0	6.84	-73.12	159	4.3	0.5	67	88	LOS SANTOS (SANTANDER)*
657	Nov 14 2016	05:48:51.0	6.78	-73.14	142	3.8	0.5	69	80	LOS SANTOS (SANTANDER)*
956	Nov 21 2016	03:07:52.1	3.23	-76.45	15	2.3	0.4	98	32	PUERTO TEJADA (CAUCA)*
1001	Nov 22 2016	04:41:38.4	4.06	-76.53	66	3.2	0.5	71	62	CALIMA (VALLE)*
1046	Nov 23 2016	04:16:44.4	0.93	-77.84	7	2.5	0.7	129	25	ZAPATOCA (SANTANDER)*
1188	Nov 25 2016	19:21:17.2	9.45	-73.60	113	3.8	0.6	99	56	CHIRIGUANA (CESAR)*
1189	Nov 25 2016	19:26:39.2	4.54	-76.26	126	1.7	0.3	168	8	EL DOVIO (VALLE)*
1239	Nov 26 2016	19:32:40.3	5.56	-74.07	100	4.1	0.7	91	71	MUZO (BOYACA)
1420	Nov 30 2016	17:42:26.2	6.30	-75.84	20	3.3	0.5	131	62	ANZA (ANTIOQUIA)*

*Eventos Sísmicos reportados como sentidos

RED SISMOLOGICA NACIONAL DE COLOMBIA

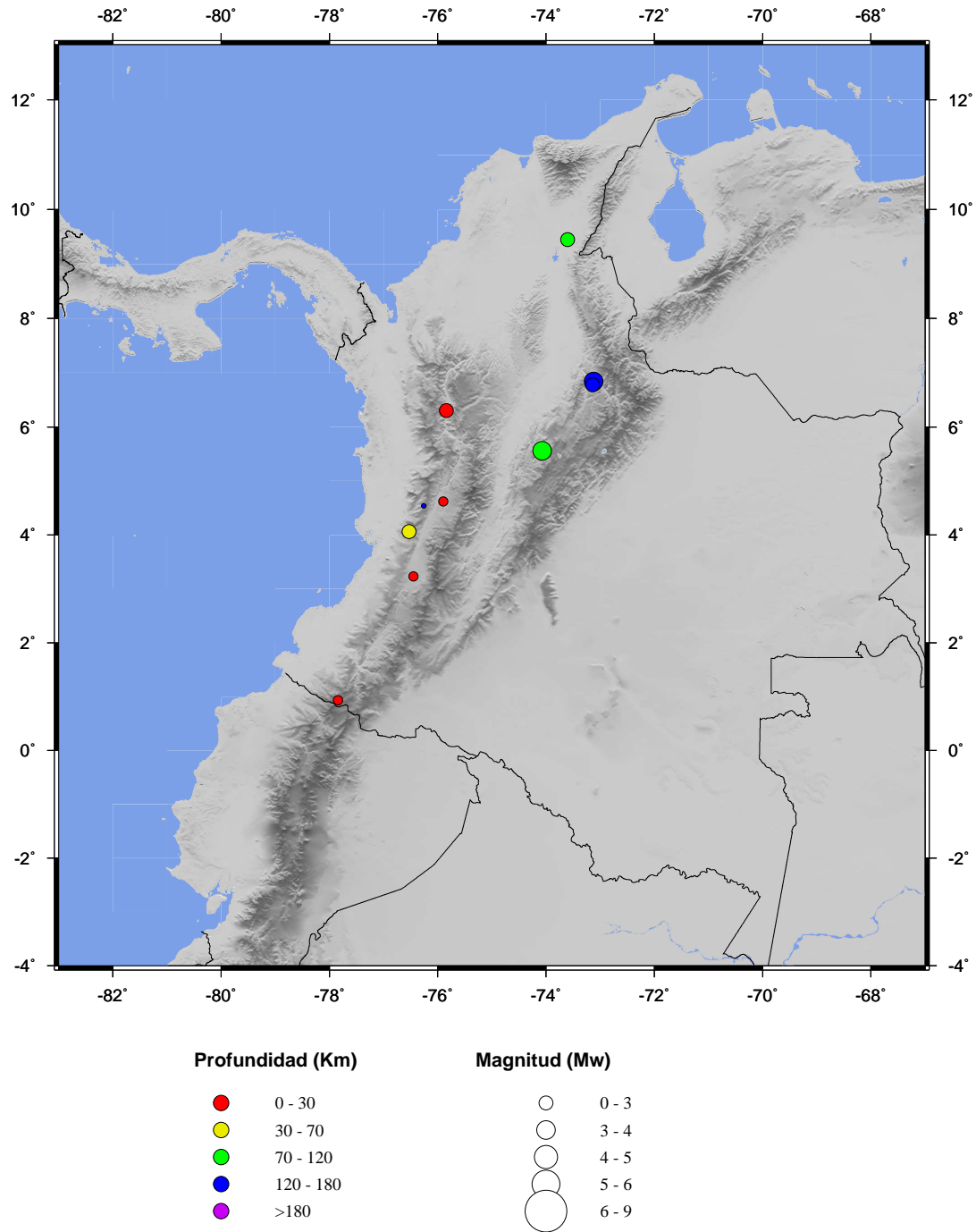


Figura 2: Sismos destacados localizados por la RSNC, durante noviembre de 2016.

RED SISMOLOGICA NACIONAL DE COLOMBIA

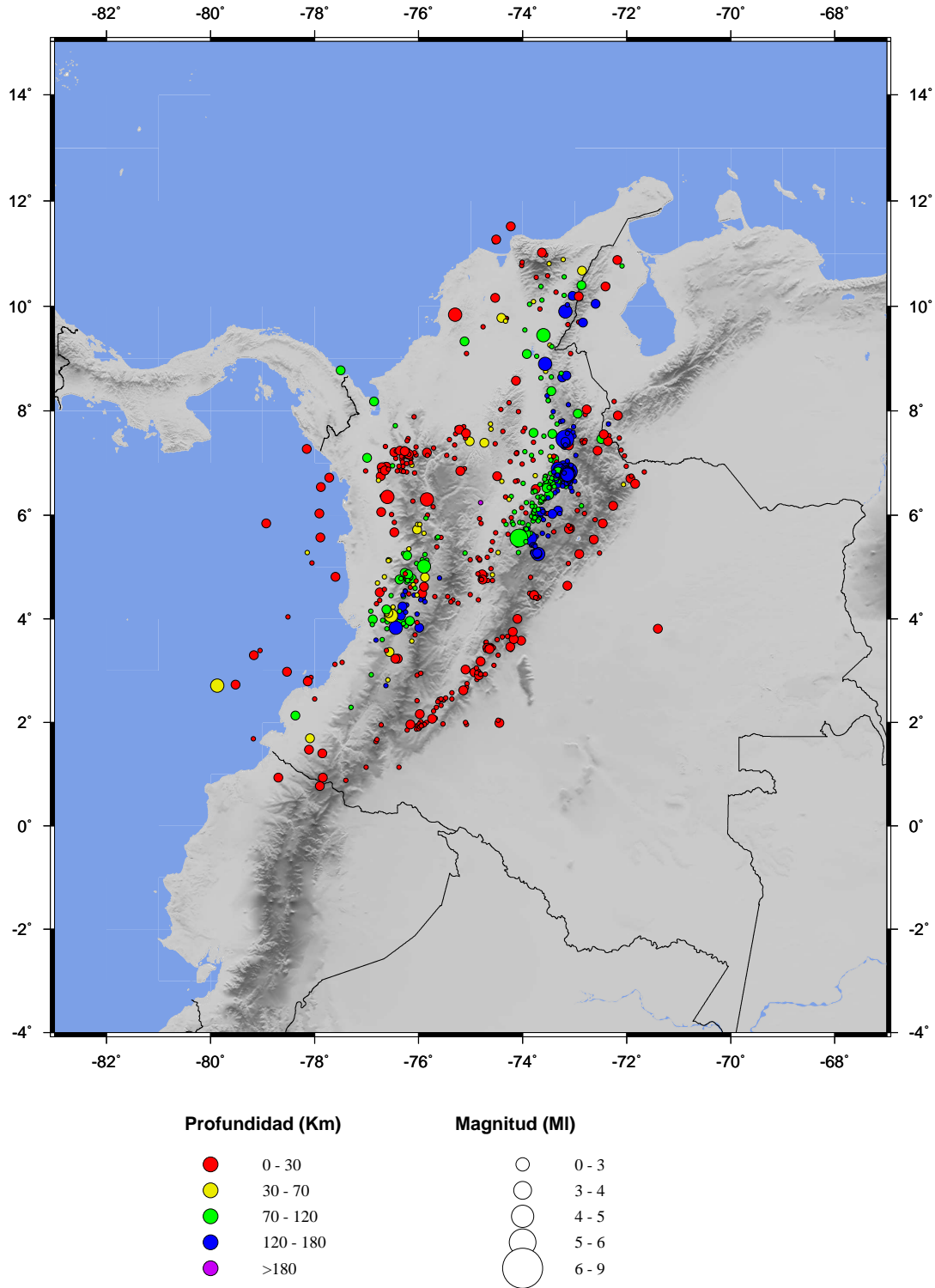


Figura 3: Sismicidad registrada por la RSNC durante noviembre de 2016

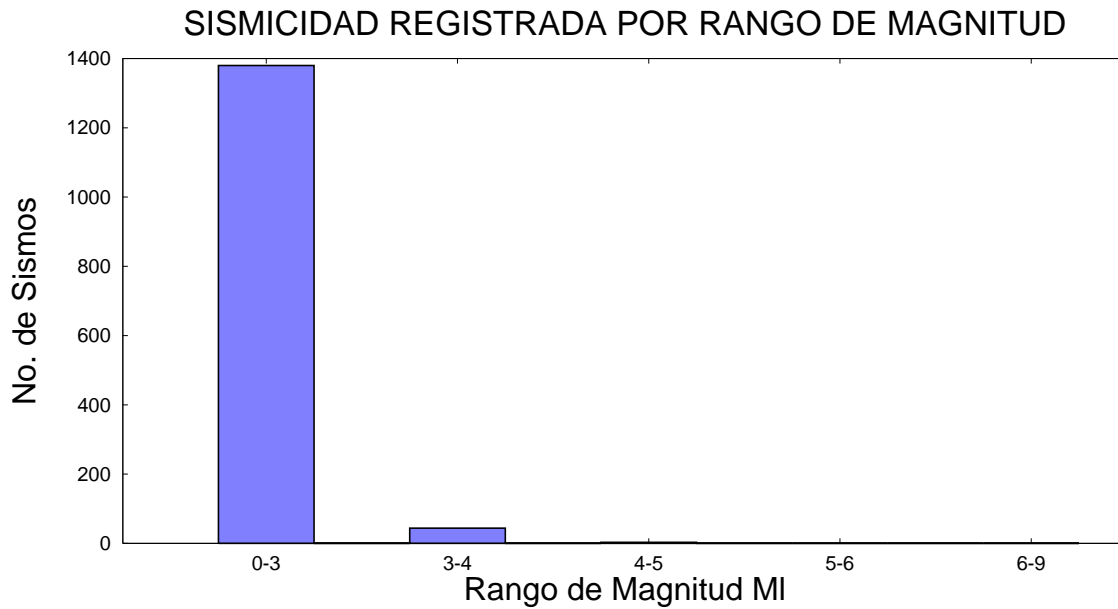


Figura 4: Número de sismos registrados por rango de magnitud, noviembre de 2016

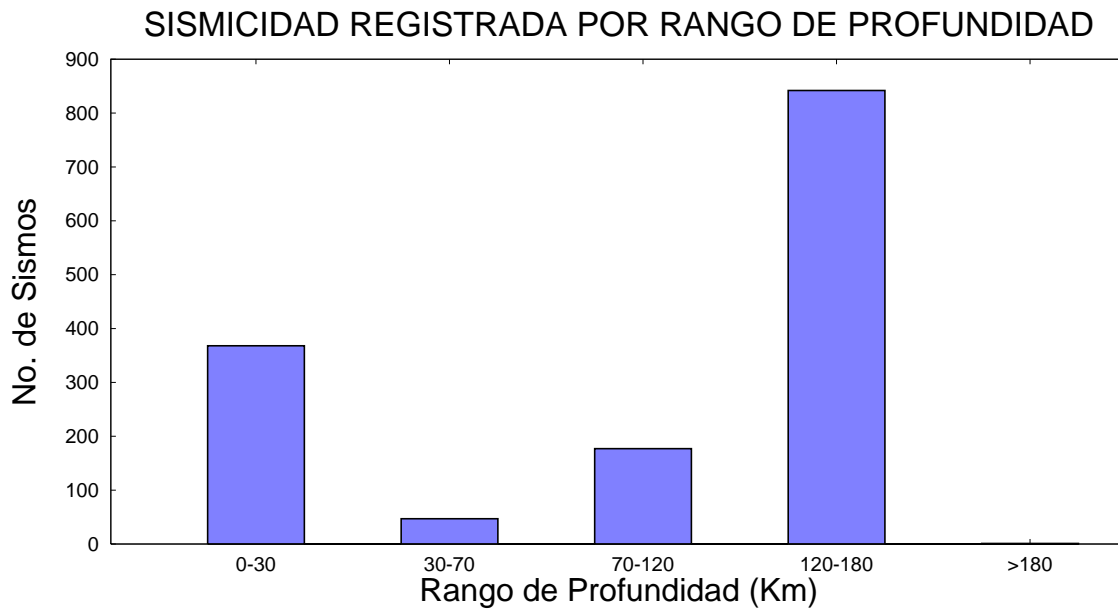


Figura 5: Número de sismos registrados por rango de profundidad, noviembre de 2016

EVENTOS LOCALIZADOS DURANTE NOVIEMBRE DE 2016

Cuadro 2: Listado de eventos localizados durante noviembre de
2016

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Nov 1 2016	00:29:45.9	6.81	-73.14	144	2.9	0.6	71	53	LOS SANTOS (SANTANDER)
2	Nov 1 2016	00:29:45.9	6.81	-73.14	144	2.9	0.6	71	53	LOS SANTOS (SANTANDER)
3	Nov 1 2016	00:40:35.9	5.29	-73.81	143	1.3	0.5	122	11	UBATE (CUNDINAMARCA)
4	Nov 1 2016	00:52:56.7	7.52	-74.03	22	0.8	0.5	255	8	SAN PABLO (BOLIVAR)
5	Nov 1 2016	01:38:20.7	5.14	-76.58	70	1.7	0.5	230	13	CONDOTO (CHOCO)
6	Nov 1 2016	01:47: 3.6	6.82	-73.06	146	1.1	0.6	146	8	LOS SANTOS (SANTANDER)
7	Nov 1 2016	02:17:12.3	6.83	-73.14	150	1.3	0.4	135	8	LOS SANTOS (SANTANDER)
8	Nov 1 2016	02:29:14.1	6.79	-73.16	145	2.1	0.3	70	27	LOS SANTOS (SANTANDER)
9	Nov 1 2016	02:43:33.3	6.78	-73.13	143	1.6	0.4	138	13	LOS SANTOS (SANTANDER)
10	Nov 1 2016	03:06:19.7	2.44	-75.61	Sup	0.9	0.1	152	10	GIGANTE (HUILA)
11	Nov 1 2016	03:07: 8.7	5.89	-73.80	102	1.2	0.4	225	9	JESUS MARIA (SANTANDER)
12	Nov 1 2016	03:07:11.5	2.43	-75.52	19	1.3	0.4	147	12	GIGANTE (HUILA)
13	Nov 1 2016	03:19:41.1	9.05	-73.73	110	1.5	0.4	132	15	PAILITAS (CESAR)
14	Nov 1 2016	03:45: 2.8	6.80	-73.13	149	1.5	0.4	137	16	LOS SANTOS (SANTANDER)
15	Nov 1 2016	03:50:27.9	6.73	-73.09	152	1.6	0.2	125	12	JORDAN (SANTANDER)
16	Nov 1 2016	05:46:50.1	6.77	-73.16	146	3.1	0.4	71	53	LOS SANTOS (SANTANDER)
17	Nov 1 2016	06:07:10.7	6.81	-73.13	150	1.5	0.5	239	14	LOS SANTOS (SANTANDER)
18	Nov 1 2016	06:11:24.3	6.78	-73.11	145	2.0	0.4	98	20	LOS SANTOS (SANTANDER)
19	Nov 1 2016	06:17:47.0	4.20	-75.84	Sup	0.8	0.6	130	10	GENOVA (QUINDIO)
20	Nov 1 2016	06:27:40.9	6.85	-73.10	150	1.7	0.5	246	19	LOS SANTOS (SANTANDER)
21	Nov 1 2016	07:01:35.2	6.85	-73.32	129	1.2	0.3	110	10	BETULIA (SANTANDER)
22	Nov 1 2016	07:08:28.7	6.74	-73.09	143	1.7	0.4	125	21	LOS SANTOS (SANTANDER)
23	Nov 1 2016	07:29:18.1	6.70	-73.18	151	1.1	0.3	226	7	VILLANUEVA (SANTANDER)
24	Nov 1 2016	07:49:21.8	6.78	-73.13	147	1.0	0.3	138	7	LOS SANTOS (SANTANDER)
25	Nov 1 2016	08:53:27.0	2.83	-74.88	Sup	1.7	0.4	91	20	TELLO (HUILA)
26	Nov 1 2016	09:18:48.6	4.61	-76.16	Sup	1.5	0.5	142	16	VERSALLES (VALLE)
27	Nov 1 2016	09:31:29.3	6.80	-73.17	151	1.4	0.3	133	8	LOS SANTOS (SANTANDER)
28	Nov 1 2016	10:52:27.4	6.78	-73.17	142	1.4	0.3	134	10	LOS SANTOS (SANTANDER)
29	Nov 1 2016	11:29:20.1	6.77	-73.14	141	1.8	0.4	138	14	LOS SANTOS (SANTANDER)
30	Nov 1 2016	11:58:40.5	6.82	-73.19	145	1.9	0.3	129	16	ZAPATOCA (SANTANDER)
31	Nov 1 2016	12:27:57.5	6.77	-73.14	152	1.5	0.4	138	8	LOS SANTOS (SANTANDER)
32	Nov 1 2016	12:44:19.0	9.65	-73.13	Sup	1.8	0.6	140	14	BECERRIL (CESAR)
33	Nov 1 2016	13:30:48.4	6.78	-73.18	133	1.2	0.1	132	10	ZAPATOCA (SANTANDER)
34	Nov 1 2016	14:37: 2.7	6.83	-73.14	139	1.6	0.5	135	12	LOS SANTOS (SANTANDER)
35	Nov 1 2016	15:10: 9.4	6.77	-73.15	136	2.5	0.4	137	20	LOS SANTOS (SANTANDER)
36	Nov 1 2016	15:22:38.3	6.81	-73.19	137	1.8	0.3	145	13	ZAPATOCA (SANTANDER)
37	Nov 1 2016	15:34: 7.6	6.82	-73.14	143	2.2	0.5	136	25	LOS SANTOS (SANTANDER)
38	Nov 1 2016	16:05:56.7	0.77	-77.90	Sup	2.7	0.5	145	12	LOS SANTOS (SANTANDER)
39	Nov 1 2016	16:39:15.6	5.94	-73.64	124	1.7	0.5	89	18	BARBOSA (SANTANDER)
40	Nov 1 2016	17:16:36.3	4.27	-76.23	129	1.6	0.4	155	14	BOLIVAR (VALLE)
41	Nov 1 2016	17:37:12.0	6.80	-73.16	143	1.9	0.4	236	16	LOS SANTOS (SANTANDER)
42	Nov 1 2016	17:40:46.3	6.79	-73.15	145	1.9	0.4	135	16	LOS SANTOS (SANTANDER)
43	Nov 1 2016	18:23:42.0	6.81	-73.14	142	1.9	0.3	136	20	LOS SANTOS (SANTANDER)
44	Nov 1 2016	18:26:45.7	6.78	-73.11	142	1.6	0.3	141	12	LOS SANTOS (SANTANDER)
45	Nov 1 2016	18:44:29.3	6.40	-73.53	22	0.9	0.2	140	8	SANTA HELENA DEL OPO (SANTANDER)
46	Nov 1 2016	19:14:25.5	2.87	-78.07	Sup	1.5	0.4	190	7	O. PACIFICO SUR

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
47	Nov 1 2016	19:56:53.8	6.79	-73.14	142	2.9	0.6	71	42	LOS SANTOS (SANTANDER)
48	Nov 1 2016	20:51:21.3	9.84	-75.30	29	3.2	0.6	158	39	MARIA LA BAJA (BOLIVAR)
49	Nov 1 2016	21:11:13.2	6.77	-73.17	150	1.5	0.3	134	12	LOS SANTOS (SANTANDER)
50	Nov 1 2016	22:39:42.7	6.77	-73.09	144	1.4	0.2	144	12	LOS SANTOS (SANTANDER)
51	Nov 1 2016	22:41:39.4	2.85	-78.14	Sup	1.6	0.1	200	8	O. PACIFICO SUR
52	Nov 1 2016	22:43:45.3	6.78	-73.14	145	1.8	0.3	138	23	LOS SANTOS (SANTANDER)
53	Nov 1 2016	23:37:44.2	7.12	-76.21	Sup	1.5	0.4	228	8	DABEIBA (ANTIOQUIA)
54	Nov 1 2016	23:38:32.2	6.90	-73.29	124	2.5	0.5	54	44	BETULIA (SANTANDER)
55	Nov 2 2016	00:40:58.0	6.78	-73.13	148	1.5	0.4	138	17	LOS SANTOS (SANTANDER)
56	Nov 2 2016	00:48: 0.2	3.54	-74.71	Sup	1.7	0.5	163	23	DOLORES (TOLIMA)
57	Nov 2 2016	01:03:35.3	4.89	-76.27	104	2.8	0.5	84	53	SAN JOSE DEL PALMAR (CHOCO)
58	Nov 2 2016	01:23:33.8	3.55	-74.70	Sup	1.2	0.5	256	12	DOLORES (TOLIMA)
59	Nov 2 2016	02:05:28.7	6.84	-73.13	146	1.4	0.4	242	14	LOS SANTOS (SANTANDER)
60	Nov 2 2016	02:26:40.5	5.94	-73.79	116	1.3	0.4	112	15	SUCRE (SANTANDER)
61	Nov 2 2016	02:56:40.4	6.24	-73.66	109	1.0	0.1	170	7	LA PAZ (SANTANDER)
62	Nov 2 2016	03:03: 5.0	6.78	-73.13	142	1.5	0.4	138	14	LOS SANTOS (SANTANDER)
63	Nov 2 2016	03:21: 9.4	6.72	-73.20	154	1.0	0.2	225	7	VILLANUEVA (SANTANDER)
64	Nov 2 2016	03:42:55.0	6.79	-73.13	144	1.1	0.4	239	8	LOS SANTOS (SANTANDER)
65	Nov 2 2016	04:00:21.0	5.86	-74.20	87	1.6	0.4	60	24	OTANCHE (BOYACA)
66	Nov 2 2016	04:19:55.4	6.76	-73.12	145	2.1	0.4	122	33	LOS SANTOS (SANTANDER)
67	Nov 2 2016	04:59:54.9	5.19	-74.68	18	1.0	0.3	150	10	HONDA (TOLIMA)
68	Nov 2 2016	05:00:12.2	6.61	-73.99	77	1.0	0.2	132	7	PUERTO PARRA (SANTANDER)
69	Nov 2 2016	05:08:16.6	6.91	-73.16	160	1.0	0.5	209	7	BETULIA (SANTANDER)
70	Nov 2 2016	05:26:43.9	6.85	-73.10	135	1.8	0.5	280	13	LOS SANTOS (SANTANDER)
71	Nov 2 2016	05:33: 3.2	1.13	-76.38	Sup	1.6	0.2	217	14	PIAMONTE (CAUCA)
72	Nov 2 2016	05:34:45.5	6.76	-73.12	148	1.0	0.4	140	8	LOS SANTOS (SANTANDER)
73	Nov 2 2016	05:48:28.2	6.71	-73.30	152	1.1	0.5	181	8	GALAN (SANTANDER)
74	Nov 2 2016	06:04:44.0	6.79	-73.12	151	1.3	0.3	139	10	LOS SANTOS (SANTANDER)
75	Nov 2 2016	06:18:22.4	6.06	-72.96	Sup	0.9	0.8	191	9	BELEN (BOYACA)
76	Nov 2 2016	06:25:43.7	6.82	-73.16	158	1.2	0.5	133	10	LOS SANTOS (SANTANDER)
77	Nov 2 2016	06:53:20.3	6.81	-73.13	151	3.6	0.5	66	62	LOS SANTOS (SANTANDER)
78	Nov 2 2016	06:58:19.6	8.12	-73.12	126	1.1	0.4	157	11	ABREGO (N.SANTANDER)
79	Nov 2 2016	07:06:25.0	7.07	-76.32	7	1.3	0.4	244	7	DABEIBA (ANTIOQUIA)
80	Nov 2 2016	07:24:42.3	1.63	-76.82	Sup	1.4	0.4	140	14	LA CRUZ (NARINO)
81	Nov 2 2016	07:55:31.0	6.44	-73.57	116	0.9	0.5	82	10	SANTA HELENA DEL OPO (SANTANDER)
82	Nov 2 2016	08:18:38.5	6.76	-73.14	144	1.3	0.4	138	11	LOS SANTOS (SANTANDER)
83	Nov 2 2016	08:25:13.9	6.72	-73.12	149	0.9	0.2	143	9	JORDAN (SANTANDER)
84	Nov 2 2016	08:26: 9.0	7.65	-74.61	35	1.2	0.4	183	14	EL BAGRE (ANTIOQUIA)
85	Nov 2 2016	08:33:35.0	5.35	-76.19	48	1.1	0.2	188	12	PUEBLO RICO (RISARALDA)
86	Nov 2 2016	08:46:11.0	6.80	-73.14	146	1.9	0.3	136	36	LOS SANTOS (SANTANDER)
87	Nov 2 2016	09:41:36.3	7.22	-73.96	70	1.5	0.4	158	14	PUERTO WILCHES (SANTANDER)
88	Nov 2 2016	09:41: 0.4	3.86	-76.24	118	1.3	0.2	223	8	BUGA (VALLE)
89	Nov 2 2016	09:56: 0.7	2.22	-75.71	Sup	1.0	0.2	124	7	AGRADO (HUILA)
90	Nov 2 2016	10:09:27.1	6.79	-73.14	147	1.5	0.3	244	10	LOS SANTOS (SANTANDER)
91	Nov 2 2016	10:21:12.6	6.76	-73.09	150	2.4	0.6	125	29	LOS SANTOS (SANTANDER)
92	Nov 2 2016	10:25:15.3	6.83	-73.16	147	3.1	0.6	68	49	LOS SANTOS (SANTANDER)
93	Nov 2 2016	11:13:58.7	6.61	-73.33	133	2.0	0.5	78	20	GALAN (SANTANDER)
94	Nov 2 2016	12:25:11.5	4.43	-75.44	25	1.7	0.4	207	10	CAJAMARCA (TOLIMA)
95	Nov 2 2016	12:45:35.0	6.80	-73.18	140	1.3	0.4	131	11	ZAPATOCA (SANTANDER)
96	Nov 2 2016	14:28:26.7	6.90	-73.06	151	1.4	0.4	253	8	PIEDRECUESTA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
97	Nov 2 2016	15:31: 4.0	6.78	-73.15	147	2.5	0.5	100	30	LOS SANTOS (SANTANDER)
98	Nov 2 2016	15:37: 9.1	6.86	-73.13	151	1.7	0.5	135	14	LOS SANTOS (SANTANDER)
99	Nov 2 2016	16:12:53.9	6.78	-73.16	139	1.3	0.3	141	8	LOS SANTOS (SANTANDER)
100	Nov 2 2016	16:39: 4.1	6.81	-73.16	147	1.9	0.4	134	24	LOS SANTOS (SANTANDER)
101	Nov 2 2016	17:19:47.6	3.44	-74.63	Sup	2.2	0.7	171	26	COLOMBIA (HUILA)
102	Nov 2 2016	17:42:59.1	7.08	-76.15	Sup	1.5	0.5	183	10	DABEIBA (ANTIOQUIA)
103	Nov 2 2016	17:54:52.2	6.80	-73.17	156	1.2	0.3	235	10	LOS SANTOS (SANTANDER)
104	Nov 2 2016	19:58:55.6	1.94	-75.92	22	1.1	0.0	143	8	TIMANA (HUILA)
105	Nov 2 2016	20:18:53.2	6.80	-73.47	110	1.3	0.3	164	11	SAN VICENTE DE CHUCURI (SANTANDER)
106	Nov 2 2016	20:26:13.3	10.20	-73.04	120	2.0	0.4	139	15	MANAURE BALCON CESAR (CESAR)
107	Nov 2 2016	21:10: 1.8	6.70	-71.93	Sup	2.1	0.4	203	18	FORTUL (ARAUCA)
108	Nov 2 2016	21:51:54.5	6.70	-73.14	140	1.7	0.3	140	18	VILLANUEVA (SANTANDER)
109	Nov 2 2016	21:54:46.5	6.77	-73.14	146	1.9	0.2	138	22	LOS SANTOS (SANTANDER)
110	Nov 2 2016	21:59:38.5	6.31	-73.58	111	1.6	0.2	87	14	SANTA HELENA DEL OPO (SANTANDER)
111	Nov 2 2016	22:53:17.4	6.79	-73.16	142	2.0	0.3	135	24	LOS SANTOS (SANTANDER)
112	Nov 3 2016	00:08: 9.3	6.79	-73.11	151	1.7	0.7	141	17	LOS SANTOS (SANTANDER)
113	Nov 3 2016	00:14:21.3	4.78	-76.13	116	2.1	0.5	70	22	ARGELIA (VALLE)
114	Nov 3 2016	00:58:43.0	6.73	-73.21	149	1.2	0.0	224	7	VILLANUEVA (SANTANDER)
115	Nov 3 2016	01:41:33.3	6.76	-73.10	146	1.2	0.4	144	9	LOS SANTOS (SANTANDER)
116	Nov 3 2016	01:47:50.7	6.78	-73.14	150	1.6	0.3	137	12	LOS SANTOS (SANTANDER)
117	Nov 3 2016	02:01:28.4	6.84	-73.15	143	1.5	0.3	241	12	LOS SANTOS (SANTANDER)
118	Nov 3 2016	02:41:25.6	8.16	-74.26	23	1.2	0.3	257	8	MONTECRISTO (BOLIVAR)
119	Nov 3 2016	03:50: 3.6	6.78	-73.12	145	2.7	0.5	67	40	LOS SANTOS (SANTANDER)
120	Nov 3 2016	04:03:24.2	6.83	-76.23	Sup	1.2	0.3	200	7	URAMITA (ANTIOQUIA)
121	Nov 3 2016	04:08:22.1	6.79	-73.08	143	0.9	0.3	145	8	LOS SANTOS (SANTANDER)
122	Nov 3 2016	04:13:18.7	6.83	-73.11	150	1.1	0.3	138	10	LOS SANTOS (SANTANDER)
123	Nov 3 2016	04:24:22.1	6.75	-73.14	144	1.3	0.5	139	12	LOS SANTOS (SANTANDER)
124	Nov 3 2016	04:41:38.3	6.73	-73.17	154	1.1	0.3	230	8	VILLANUEVA (SANTANDER)
125	Nov 3 2016	05:10:14.8	6.75	-73.21	145	1.0	0.3	224	8	ZAPATOCA (SANTANDER)
126	Nov 3 2016	05:10:58.4	6.79	-73.16	156	1.2	0.4	234	9	LOS SANTOS (SANTANDER)
127	Nov 3 2016	05:14:21.4	6.75	-73.12	146	0.8	0.3	236	7	LOS SANTOS (SANTANDER)
128	Nov 3 2016	05:28:49.2	6.76	-73.15	144	1.2	0.4	137	12	LOS SANTOS (SANTANDER)
129	Nov 3 2016	05:41:23.0	6.81	-73.16	138	0.8	0.2	143	6	LOS SANTOS (SANTANDER)
130	Nov 3 2016	06:19:15.0	6.80	-73.15	153	0.9	0.2	237	8	LOS SANTOS (SANTANDER)
131	Nov 3 2016	06:23: 8.0	6.80	-73.14	147	1.7	0.4	136	20	LOS SANTOS (SANTANDER)
132	Nov 3 2016	07:08: 2.3	5.28	-74.08	115	1.3	0.5	93	19	SAN CAYETANO (CUNDINAMARCA)
133	Nov 3 2016	07:13:42.1	6.76	-73.15	145	1.7	0.4	136	16	LOS SANTOS (SANTANDER)
134	Nov 3 2016	08:11: 1.0	6.72	-73.19	149	0.8	0.2	225	7	VILLANUEVA (SANTANDER)
135	Nov 3 2016	08:32:31.8	7.34	-73.12	8	1.1	0.4	175	11	RIONEGRO (SANTANDER)
136	Nov 3 2016	09:55:38.9	6.80	-73.15	145	1.9	0.5	102	24	LOS SANTOS (SANTANDER)
137	Nov 3 2016	10:29:58.6	6.69	-73.21	157	1.2	0.2	221	8	VILLANUEVA (SANTANDER)
138	Nov 3 2016	10:52:42.5	6.81	-76.08	Sup	1.8	0.5	143	16	FRONTINO (ANTIOQUIA)
139	Nov 3 2016	11:05:50.9	2.97	-74.93	8	2.0	0.4	171	11	BARAYA (HUILA)
140	Nov 3 2016	11:21:47.3	6.78	-73.17	142	1.8	0.4	133	14	LOS SANTOS (SANTANDER)
141	Nov 3 2016	12:29:53.2	2.44	-75.52	21	1.2	0.3	162	9	GIGANTE (HUILA)
142	Nov 3 2016	15:24:35.6	6.78	-73.15	144	1.5	0.4	136	12	LOS SANTOS (SANTANDER)
143	Nov 3 2016	18:15:32.3	6.79	-73.19	136	1.5	0.4	131	10	ZAPATOCA (SANTANDER)
144	Nov 3 2016	18:18: 3.2	6.46	-73.80	81	0.9	0.4	148	7	CIMITARRA (SANTANDER)
145	Nov 3 2016	18:50:20.4	6.89	-73.16	139	1.3	0.4	151	9	BETULIA (SANTANDER)
146	Nov 3 2016	20:32: 0.7	7.17	-76.20	Sup	1.9	0.7	227	21	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
147	Nov 3 2016	20:43:48.7	6.78	-73.12	142	1.6	0.3	140	17	LOS SANTOS (SANTANDER)
148	Nov 3 2016	21:48: 5.4	3.42	-74.66	26	1.4	0.1	176	12	COLOMBIA (HUILA)
149	Nov 3 2016	21:53:15.6	5.93	-74.83	Sup	1.1	0.5	94	12	SAN LUIS (ANTIOQUIA)
150	Nov 3 2016	23:03:25.4	6.77	-73.12	138	1.8	0.3	141	14	LOS SANTOS (SANTANDER)
151	Nov 3 2016	23:30:20.9	6.75	-73.56	103	1.5	0.2	137	9	EL CARMEN (SANTANDER)
152	Nov 3 2016	23:41:57.0	6.78	-73.17	143	2.7	0.3	134	43	LOS SANTOS (SANTANDER)
153	Nov 4 2016	00:25: 6.3	4.81	-77.60	Sup	2.5	0.8	208	36	O. PACIFICO CENTRO
154	Nov 4 2016	01:15:40.1	6.78	-73.12	149	1.3	0.4	139	9	LOS SANTOS (SANTANDER)
155	Nov 4 2016	02:02:15.8	6.73	-73.11	144	1.9	0.5	124	21	JORDAN (SANTANDER)
156	Nov 4 2016	02:12:46.0	3.93	-76.34	116	2.2	0.5	83	29	BUGA (VALLE)
157	Nov 4 2016	02:46:38.5	6.77	-73.13	148	1.7	0.4	121	16	LOS SANTOS (SANTANDER)
158	Nov 4 2016	03:34:40.8	6.77	-73.16	148	1.2	0.5	233	8	LOS SANTOS (SANTANDER)
159	Nov 4 2016	03:47: 9.8	6.32	-76.66	24	1.4	0.3	226	12	VIGIA DEL FUERTE (ANTIOQUIA)
160	Nov 4 2016	03:50:16.4	6.75	-73.63	Sup	0.7	0.4	122	7	EL CARMEN (SANTANDER)
161	Nov 4 2016	04:04:41.9	6.83	-73.08	148	1.2	0.2	246	7	LOS SANTOS (SANTANDER)
162	Nov 4 2016	04:09:41.6	5.25	-73.75	146	1.3	0.1	131	12	CUCUNUBA (CUNDINAMARCA)
163	Nov 4 2016	04:18:54.2	6.79	-73.20	155	0.9	0.1	129	7	ZAPATOCA (SANTANDER)
164	Nov 4 2016	04:43:32.1	6.81	-73.17	153	1.1	0.2	236	8	LOS SANTOS (SANTANDER)
165	Nov 4 2016	05:11:14.3	6.78	-73.11	151	1.1	0.3	240	9	LOS SANTOS (SANTANDER)
166	Nov 4 2016	05:44:21.8	6.78	-73.15	153	0.9	0.1	137	7	LOS SANTOS (SANTANDER)
167	Nov 4 2016	05:59:58.3	2.08	-75.67	Sup	0.7	0.3	116	8	ALTAMIRA (HUILA)
168	Nov 4 2016	06:01:51.3	6.79	-73.13	150	1.7	0.3	139	16	LOS SANTOS (SANTANDER)
169	Nov 4 2016	06:17:48.9	5.94	-73.70	123	1.2	0.4	192	8	GUAVATA (SANTANDER)
170	Nov 4 2016	06:50: 8.0	6.85	-73.14	149	1.4	0.4	176	8	LOS SANTOS (SANTANDER)
171	Nov 4 2016	07:09:57.4	6.75	-76.73	14	2.2	0.4	118	24	VIGIA DEL FUERTE (ANTIOQUIA)
172	Nov 4 2016	07:17:50.7	6.74	-73.15	152	1.1	0.4	138	10	LOS SANTOS (SANTANDER)
173	Nov 4 2016	07:27:48.3	6.78	-73.15	145	1.0	0.3	135	8	LOS SANTOS (SANTANDER)
174	Nov 4 2016	07:28:46.8	6.80	-73.15	145	1.0	0.4	135	8	LOS SANTOS (SANTANDER)
175	Nov 4 2016	07:50:22.3	6.82	-73.32	125	1.3	0.4	105	11	ZAPATOCA (SANTANDER)
176	Nov 4 2016	08:03:54.3	5.63	-74.10	116	0.9	0.3	214	8	SAN PABLO DE BORBUR (BOYACA)
177	Nov 4 2016	08:12: 9.6	6.76	-73.14	147	1.7	0.4	138	19	LOS SANTOS (SANTANDER)
178	Nov 4 2016	08:50:46.6	6.76	-73.10	156	1.7	0.5	124	18	LOS SANTOS (SANTANDER)
179	Nov 4 2016	08:56:31.8	6.79	-73.15	151	1.1	0.5	135	11	LOS SANTOS (SANTANDER)
180	Nov 4 2016	09:12:15.9	6.85	-73.15	149	1.7	0.5	132	19	LOS SANTOS (SANTANDER)
181	Nov 4 2016	09:47:57.0	5.82	-74.32	74	1.4	0.3	97	12	OTANCHE (BOYACA)
182	Nov 4 2016	09:50:30.4	6.80	-73.15	150	1.7	0.4	134	16	LOS SANTOS (SANTANDER)
183	Nov 4 2016	10:10:17.5	6.58	-73.24	114	1.5	0.5	122	9	CABRERA (SANTANDER)
184	Nov 4 2016	10:37: 2.7	7.46	-72.49	99	2.1	0.2	290	12	HERRAN (N.SANTANDER)
185	Nov 4 2016	10:46:38.5	4.79	-75.60	151	1.9	0.3	236	9	DOSQUEBRADAS (RISARALDA)
186	Nov 4 2016	11:47:38.3	5.26	-76.29	83	1.7	0.4	202	18	BAGADO (CHOCO)
187	Nov 4 2016	12:32:39.6	6.96	-73.22	143	2.1	0.3	282	10	BETULIA (SANTANDER)
188	Nov 4 2016	13:47:32.0	6.74	-73.11	140	1.7	0.4	168	12	LOS SANTOS (SANTANDER)
189	Nov 4 2016	14:08:55.8	5.31	-73.73	142	1.8	0.4	156	13	LENGUAZAUQUE (CUNDINAMARCA)
190	Nov 4 2016	15:18: 9.4	6.77	-73.18	138	1.9	0.4	139	15	LOS SANTOS (SANTANDER)
191	Nov 4 2016	17:08:55.7	6.81	-73.18	145	2.7	0.5	103	34	ZAPATOCA (SANTANDER)
192	Nov 4 2016	17:52:53.6	6.78	-73.13	149	1.7	0.5	254	12	LOS SANTOS (SANTANDER)
193	Nov 4 2016	19:16:47.4	6.65	-73.00	147	1.7	0.6	226	10	ARATOCA (SANTANDER)
194	Nov 4 2016	19:19:54.3	5.57	-73.88	128	2.2	0.6	137	21	CALDAS (BOYACA)
195	Nov 4 2016	19:56:54.1	5.98	-73.83	106	1.8	0.3	170	7	BOLIVAR (SANTANDER)
196	Nov 4 2016	20:16:30.8	3.94	-76.60	118	1.6	0.1	281	8	CALIMA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
197	Nov 4 2016	20:57:17.5	6.77	-73.13	145	1.9	0.3	157	22	LOS SANTOS (SANTANDER)
198	Nov 4 2016	21:11:41.6	5.07	-73.12	Sup	1.6	0.4	275	11	CAMPOHERMOSO (BOYACA)
199	Nov 4 2016	21:46: 8.1	6.76	-73.16	140	1.7	0.3	149	12	LOS SANTOS (SANTANDER)
200	Nov 4 2016	22:27:59.8	7.09	-75.31	15	1.3	0.3	148	12	CAMPAMENTO (ANTIOQUIA)
201	Nov 4 2016	22:34:15.1	6.76	-73.15	144	1.7	0.3	152	14	LOS SANTOS (SANTANDER)
202	Nov 4 2016	23:23:44.5	6.74	-73.19	143	1.7	0.4	134	11	VILLANUEVA (SANTANDER)
203	Nov 5 2016	00:22:12.6	3.91	-76.16	116	1.8	0.5	82	13	SAN PEDRO (VALLE)
204	Nov 5 2016	00:22:34.5	6.68	-73.15	144	1.5	0.3	160	8	VILLANUEVA (SANTANDER)
205	Nov 5 2016	00:23:29.7	6.82	-73.13	146	1.7	0.4	150	15	LOS SANTOS (SANTANDER)
206	Nov 5 2016	00:27:32.1	6.66	-73.16	147	1.4	0.1	244	6	VILLANUEVA (SANTANDER)
207	Nov 5 2016	00:45:36.6	4.73	-74.74	15	1.5	0.6	116	12	AMBALEMA (TOLIMA)
208	Nov 5 2016	01:51:47.2	6.82	-73.15	148	1.7	0.5	153	15	LOS SANTOS (SANTANDER)
209	Nov 5 2016	01:57:34.5	6.80	-73.13	159	1.8	0.3	180	11	LOS SANTOS (SANTANDER)
210	Nov 5 2016	02:30:42.3	6.82	-73.21	154	1.3	0.4	234	7	ZAPATOCA (SANTANDER)
211	Nov 5 2016	03:11:12.6	6.81	-73.14	149	2.0	0.5	119	25	LOS SANTOS (SANTANDER)
212	Nov 5 2016	03:48:44.4	6.82	-73.15	148	1.6	0.4	145	12	LOS SANTOS (SANTANDER)
213	Nov 5 2016	04:44:35.1	5.32	-74.61	17	1.7	0.5	69	26	CAPARRAPI (CUNDINAMARCA)
214	Nov 5 2016	04:50:25.4	6.36	-73.72	96	0.9	0.5	205	7	SANTA HELENA DEL OPOON (SANTANDER)
215	Nov 5 2016	04:53:32.9	6.77	-73.22	148	1.6	0.5	264	11	ZAPATOCA (SANTANDER)
216	Nov 5 2016	05:53: 9.4	6.80	-73.20	159	1.2	0.4	277	7	ZAPATOCA (SANTANDER)
217	Nov 5 2016	06:18:21.9	7.44	-72.80	7	1.6	0.3	146	12	CUCUTILLA (N.SANTANDER)
218	Nov 5 2016	06:23:56.8	6.80	-73.11	152	2.5	0.6	122	37	LOS SANTOS (SANTANDER)
219	Nov 5 2016	06:29:56.6	7.52	-73.08	155	1.6	0.2	206	9	EL PLAYON (SANTANDER)
220	Nov 5 2016	06:59:53.5	6.78	-73.16	150	1.2	0.5	245	10	LOS SANTOS (SANTANDER)
221	Nov 5 2016	07:44:16.8	2.38	-75.63	Sup	0.4	0.2	115	7	GIGANTE (HUILA)
222	Nov 5 2016	07:49:49.9	4.45	-76.53	80	1.6	0.5	139	16	SIPI (CHOCO)
223	Nov 5 2016	07:58:33.2	6.78	-73.13	146	1.9	0.5	155	24	LOS SANTOS (SANTANDER)
224	Nov 5 2016	08:26:51.7	2.79	-78.13	Sup	2.1	0.7	158	24	O. PACIFICO SUR
225	Nov 5 2016	08:33: 9.7	6.50	-73.75	23	2.1	0.6	119	18	SANTA HELENA DEL OPOON (SANTANDER)
226	Nov 5 2016	08:34:38.6	6.75	-73.14	148	1.8	0.4	155	12	LOS SANTOS (SANTANDER)
227	Nov 5 2016	09:02:48.7	5.78	-76.00	64	1.2	0.4	206	7	BETANIA (ANTIOQUIA)
228	Nov 5 2016	09:07:23.5	5.95	-74.22	21	1.6	0.3	180	12	LA BELLEZA (SANTANDER)
229	Nov 5 2016	09:15:27.0	6.78	-73.13	146	1.7	0.3	155	16	LOS SANTOS (SANTANDER)
230	Nov 5 2016	09:29:42.5	7.21	-73.65	94	1.2	0.4	160	9	SABANA DE TORRES (SANTANDER)
231	Nov 5 2016	09:34:30.3	2.29	-75.66	15	1.1	0.6	94	12	GARZON (HUILA)
232	Nov 5 2016	09:43:37.2	6.80	-73.13	149	1.6	0.4	153	12	LOS SANTOS (SANTANDER)
233	Nov 5 2016	10:17:47.7	6.71	-73.20	144	1.5	0.4	219	8	VILLANUEVA (SANTANDER)
234	Nov 5 2016	11:07:44.1	9.95	-73.67	Sup	1.5	0.5	136	12	BOSCONIA (CESAR)
235	Nov 5 2016	11:50:18.4	6.79	-73.17	139	2.1	0.6	143	21	LOS SANTOS (SANTANDER)
236	Nov 5 2016	12:00:56.8	7.56	-73.43	112	2.0	0.4	199	12	LA ESPERANZA (N.SANTANDER)
237	Nov 5 2016	13:01:56.1	6.79	-73.17	143	2.1	0.4	142	14	LOS SANTOS (SANTANDER)
238	Nov 5 2016	13:26:48.7	7.35	-73.19	127	2.0	0.4	177	15	RIONEGRO (SANTANDER)
239	Nov 5 2016	15:04:58.7	6.04	-73.94	9	1.6	0.6	154	12	EL PENON (SANTANDER)
240	Nov 5 2016	16:17:14.9	7.58	-73.11	145	2.0	0.2	214	10	EL PLAYON (SANTANDER)
241	Nov 5 2016	16:52:23.2	6.84	-73.19	144	3.2	0.7	61	43	ZAPATOCA (SANTANDER)
242	Nov 5 2016	17:38: 6.0	6.80	-73.16	144	2.0	0.3	245	14	LOS SANTOS (SANTANDER)
243	Nov 5 2016	17:57:35.3	6.35	-73.71	73	1.3	0.4	219	8	SANTA HELENA DEL OPOON (SANTANDER)
244	Nov 5 2016	18:46:23.8	8.64	-73.24	120	2.1	0.4	149	14	EL TARRA (N.SANTANDER)
245	Nov 5 2016	20:05: 9.8	6.37	-75.89	61	1.2	0.2	140	8	ANZA (ANTIOQUIA)
246	Nov 5 2016	20:31:57.1	6.71	-73.39	108	1.2	0.3	180	10	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
247	Nov 5 2016	20:50:32.1	6.78	-73.13	141	2.1	0.2	155	22	LOS SANTOS (SANTANDER)
248	Nov 5 2016	21:04:31.8	10.05	-72.60	144	2.2	0.3	162	14	LA FRONTERA CON VENEZUELA
249	Nov 5 2016	21:34:14.1	6.85	-73.13	153	2.6	0.5	148	42	LOS SANTOS (SANTANDER)
250	Nov 5 2016	22:03: 3.4	6.78	-73.18	142	1.6	0.1	253	11	ZAPATOCA (SANTANDER)
251	Nov 5 2016	22:18:51.2	7.08	-73.39	115	2.0	0.3	144	14	LEBRIJA (SANTANDER)
252	Nov 5 2016	22:50: 5.8	6.80	-73.12	147	1.7	0.2	196	8	LOS SANTOS (SANTANDER)
253	Nov 5 2016	23:17:45.4	5.62	-73.98	110	2.5	0.3	88	34	PAUNA (BOYACA)
254	Nov 5 2016	23:23: 6.8	6.78	-73.15	150	1.8	0.4	149	12	LOS SANTOS (SANTANDER)
255	Nov 6 2016	00:11:30.7	6.79	-73.11	149	1.7	0.6	159	13	LOS SANTOS (SANTANDER)
256	Nov 6 2016	01:55:31.3	4.40	-75.91	131	1.2	0.1	160	8	CAICEDONIA (VALLE)
257	Nov 6 2016	01:56: 6.4	5.56	-75.65	102	1.1	0.4	150	9	CARAMANTA (ANTIOQUIA)
258	Nov 6 2016	02:16:21.4	6.82	-76.64	11	1.7	0.7	240	16	MURINDO (ANTIOQUIA)
259	Nov 6 2016	02:25:44.5	1.98	-75.95	Sup	1.1	0.3	129	13	TIMANA (HUILA)
260	Nov 6 2016	02:30:12.5	6.40	-72.93	Sup	1.7	0.6	74	19	SAN JOAQUIN (SANTANDER)
261	Nov 6 2016	02:54:28.4	6.84	-73.15	151	2.2	0.6	143	26	LOS SANTOS (SANTANDER)
262	Nov 6 2016	03:51:36.1	6.80	-73.12	147	1.9	0.5	120	19	LOS SANTOS (SANTANDER)
263	Nov 6 2016	04:02:45.4	6.80	-73.14	149	1.8	0.3	151	15	LOS SANTOS (SANTANDER)
264	Nov 6 2016	04:46:10.9	6.76	-73.17	150	1.4	0.2	144	8	LOS SANTOS (SANTANDER)
265	Nov 6 2016	04:50:51.3	6.79	-73.15	147	1.3	0.4	150	11	LOS SANTOS (SANTANDER)
266	Nov 6 2016	05:30:52.1	3.36	-76.56	58	2.0	0.3	164	22	CALI (VALLE)
267	Nov 6 2016	05:40:24.8	6.82	-73.12	153	1.9	0.7	156	24	LOS SANTOS (SANTANDER)
268	Nov 6 2016	06:10:20.0	6.80	-73.15	146	1.1	0.3	145	7	LOS SANTOS (SANTANDER)
269	Nov 6 2016	07:39:33.2	6.79	-73.13	147	2.5	0.6	66	42	LOS SANTOS (SANTANDER)
270	Nov 6 2016	07:43:13.0	7.10	-73.44	116	1.3	0.6	163	9	LEBRIJA (SANTANDER)
271	Nov 6 2016	08:11:37.1	6.80	-73.13	152	1.4	0.3	181	8	LOS SANTOS (SANTANDER)
272	Nov 6 2016	08:20:34.3	5.07	-76.04	109	1.2	0.3	128	10	SANTUARIO (RISARALDA)
273	Nov 6 2016	08:30:24.4	6.78	-73.16	145	1.4	0.3	179	12	LOS SANTOS (SANTANDER)
274	Nov 6 2016	08:37:12.7	6.77	-73.23	154	1.2	0.2	272	8	ZAPATOCA (SANTANDER)
275	Nov 6 2016	08:39: 5.0	6.18	-72.87	86	1.2	0.1	274	8	TUTAZA (BOYACA)
276	Nov 6 2016	08:40:52.2	6.09	-72.95	12	1.3	0.1	275	8	BELEN (BOYACA)
277	Nov 6 2016	08:51:11.7	6.84	-73.30	165	1.3	0.2	270	8	ZAPATOCA (SANTANDER)
278	Nov 6 2016	08:58:44.1	0.93	-78.70	24	2.5	0.2	265	20	LA FRONTERA CON ECUADOR
279	Nov 6 2016	09:27:30.3	3.41	-74.23	16	1.8	0.6	221	9	MESETAS (META)
280	Nov 6 2016	09:48:40.2	6.79	-73.16	147	1.4	0.2	155	12	LOS SANTOS (SANTANDER)
281	Nov 6 2016	10:22:11.7	10.27	-73.36	13	1.0	0.5	134	8	SAN DIEGO (CESAR)
282	Nov 6 2016	10:26: 5.0	6.82	-73.17	149	1.4	0.3	152	12	ZAPATOCA (SANTANDER)
283	Nov 6 2016	10:46:59.0	6.78	-73.15	143	1.9	0.4	148	18	LOS SANTOS (SANTANDER)
284	Nov 6 2016	12:37: 0.8	6.54	-73.58	103	1.5	0.4	136	8	EL CARMEN (SANTANDER)
285	Nov 6 2016	12:41:52.6	4.52	-75.93	15	1.2	0.2	170	8	OBANDO (VALLE)
286	Nov 6 2016	13:02:30.8	6.24	-74.81	232	1.7	0.6	153	12	CARACOLI (ANTIOQUIA)
287	Nov 6 2016	13:09:16.2	4.49	-75.93	22	2.0	0.3	101	14	OBANDO (VALLE)
288	Nov 6 2016	13:10:34.2	6.72	-73.16	126	2.1	0.5	151	24	VILLANUEVA (SANTANDER)
289	Nov 6 2016	13:54:11.2	6.80	-73.16	146	3.2	0.5	79	57	LOS SANTOS (SANTANDER)
290	Nov 6 2016	<u>15:12:51.8</u>	<u>4.62</u>	<u>-75.90</u>	<u>16</u>	3.3*	<u>0.6</u>	<u>60</u>	<u>47</u>	<u>OBANDO (VALLE)</u>
291	Nov 6 2016	15:51:47.9	7.43	-72.86	Sup	1.8	0.4	209	10	CALIFORNIA (SANTANDER)
292	Nov 6 2016	18:32:21.9	6.79	-73.15	140	1.6	0.4	149	13	LOS SANTOS (SANTANDER)
293	Nov 6 2016	18:37:39.4	7.32	-76.64	Sup	1.6	0.4	272	12	MUTATA (ANTIOQUIA)
294	Nov 6 2016	18:47:39.6	2.71	-76.63	130	1.8	0.3	117	22	MORALES (CAUCA)
295	Nov 6 2016	19:28:49.2	6.84	-76.29	Sup	1.7	0.5	206	18	URAMITA (ANTIOQUIA)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
296	Nov 6 2016	20:45:30.7	5.18	-74.86	15	1.4	0.3	182	11	MARIQUITA (TOLIMA)
297	Nov 6 2016	21:31: 1.0	6.84	-73.12	159	4.4*	0.5	67	88	LOS SANTOS (SANTANDER)
298	Nov 6 2016	21:41:54.0	6.77	-73.16	137	1.6	0.2	145	8	LOS SANTOS (SANTANDER)
299	Nov 6 2016	22:23: 2.6	6.74	-73.14	132	1.7	0.3	184	10	LOS SANTOS (SANTANDER)
300	Nov 7 2016	00:10:28.9	6.79	-73.14	138	2.7	0.4	86	53	LOS SANTOS (SANTANDER)
301	Nov 7 2016	00:41:25.4	7.13	-76.28	15	1.6	0.5	263	7	DABEIBA (ANTIOQUIA)
302	Nov 7 2016	00:51: 5.8	1.93	-76.04	Sup	1.9	0.6	110	20	PITALITO (HUILA)
303	Nov 7 2016	02:20: 7.4	6.77	-73.13	143	1.6	0.4	157	13	LOS SANTOS (SANTANDER)
304	Nov 7 2016	02:22:19.6	8.29	-73.53	120	1.4	0.4	126	12	AGUACHICA (CESAR)
305	Nov 7 2016	02:24: 3.2	4.73	-76.05	Sup	1.1	0.5	105	12	ARGELIA (VALLE)
306	Nov 7 2016	02:51:36.9	6.79	-73.14	145	2.9	0.7	66	67	LOS SANTOS (SANTANDER)
307	Nov 7 2016	02:55:16.7	5.81	-73.50	Sup	1.6	0.5	115	22	GACHANTIVA (BOYACA)
308	Nov 7 2016	03:22: 7.6	6.75	-73.11	140	1.8	0.4	168	20	LOS SANTOS (SANTANDER)
309	Nov 7 2016	03:23:25.0	6.69	-73.17	151	1.2	0.1	239	7	VILLANUEVA (SANTANDER)
310	Nov 7 2016	03:30:37.1	6.77	-73.14	143	1.7	0.3	155	18	LOS SANTOS (SANTANDER)
311	Nov 7 2016	03:49:54.3	7.59	-73.03	153	1.4	0.2	282	7	CACHIRA (N.SANTANDER)
312	Nov 7 2016	03:51:55.1	2.00	-75.85	Sup	1.2	0.3	92	10	SUAZA (HUILA)
313	Nov 7 2016	04:43:40.8	1.89	-75.99	9	1.0	0.3	112	14	PITALITO (HUILA)
314	Nov 7 2016	04:46:33.0	8.65	-73.45	96	1.6	0.4	136	16	EL CARMEN (N.SANTANDER)
315	Nov 7 2016	05:16:22.7	6.84	-73.13	149	2.7	0.5	66	50	LOS SANTOS (SANTANDER)
316	Nov 7 2016	05:19:43.8	6.81	-73.15	147	2.0	0.4	146	23	LOS SANTOS (SANTANDER)
317	Nov 7 2016	06:49:24.9	6.51	-73.48	111	1.4	0.5	161	12	SIMACOTA (SANTANDER)
318	Nov 7 2016	06:52: 1.0	3.60	-74.49	Sup	1.4	0.8	158	20	VILLARRICA (TOLIMA)
319	Nov 7 2016	06:54:16.7	7.20	-74.11	Sup	1.0	0.3	172	10	PUERTO WILCHES (SANTANDER)
320	Nov 7 2016	07:36:20.0	10.77	-72.09	112	1.5	0.2	222	10	LA FRONTERA CON VENEZUELA
321	Nov 7 2016	08:00:59.3	6.80	-73.16	144	1.1	0.2	145	10	LOS SANTOS (SANTANDER)
322	Nov 7 2016	11:35: 9.0	3.12	-77.61	23	1.8	0.6	120	20	O. PACIFICO SUT
323	Nov 7 2016	11:36:19.9	6.78	-73.14	142	1.6	0.6	152	16	LOS SANTOS (SANTANDER)
324	Nov 7 2016	12:46: 1.9	7.99	-74.08	24	1.5	0.2	145	11	SANTA ROSA DEL SUR (BOLIVAR)
325	Nov 7 2016	12:49: 6.5	6.79	-73.14	148	1.6	0.4	153	14	LOS SANTOS (SANTANDER)
326	Nov 7 2016	13:26: 3.7	7.13	-73.48	30	1.5	0.3	151	10	SABANA DE TORRES (SANTANDER)
327	Nov 7 2016	13:46: 0.2	6.78	-73.13	145	2.0	0.4	155	18	LOS SANTOS (SANTANDER)
328	Nov 7 2016	14:30:33.2	6.80	-73.16	147	1.4	0.2	177	7	LOS SANTOS (SANTANDER)
329	Nov 7 2016	15:08:36.4	6.72	-73.15	143	1.3	0.2	157	8	JORDAN (SANTANDER)
330	Nov 7 2016	15:14:44.1	6.80	-73.14	149	2.0	0.5	150	20	LOS SANTOS (SANTANDER)
331	Nov 7 2016	17:58:46.0	8.38	-73.45	108	2.2	0.2	132	21	GONZALEZ (CESAR)
332	Nov 7 2016	20:02:55.8	3.82	-76.47	127	1.5	0.5	115	12	RESTREPO (VALLE)
333	Nov 7 2016	21:23:31.1	6.77	-73.16	147	1.5	0.4	144	8	LOS SANTOS (SANTANDER)
334	Nov 7 2016	22:07:53.2	6.76	-73.12	151	1.7	0.4	159	10	LOS SANTOS (SANTANDER)
335	Nov 7 2016	22:13:34.6	6.93	-76.62	Sup	2.6	0.5	133	30	MURINDO (ANTIOQUIA)
336	Nov 7 2016	22:48:30.6	6.71	-73.16	136	1.7	0.4	150	16	VILLANUEVA (SANTANDER)
337	Nov 7 2016	23:02: 6.3	1.97	-75.91	Sup	1.4	0.4	97	11	TIMANA (HUILA)
338	Nov 7 2016	23:16:44.1	6.74	-73.15	136	2.4	0.6	95	30	LOS SANTOS (SANTANDER)
339	Nov 7 2016	23:31:33.8	6.78	-73.18	132	2.0	0.5	153	19	ZAPATOCA (SANTANDER)
340	Nov 7 2016	23:34: 8.4	1.96	-75.92	Sup	1.4	0.2	98	12	TIMANA (HUILA)
341	Nov 7 2016	23:46:31.3	6.80	-73.12	152	1.7	0.3	158	10	LOS SANTOS (SANTANDER)
342	Nov 7 2016	23:52:47.9	6.82	-73.20	143	2.1	0.4	130	24	ZAPATOCA (SANTANDER)
343	Nov 8 2016	01:10:40.7	10.15	-72.89	Sup	1.4	0.4	192	12	LA FRONTERA CON VENEZUELA

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
344	Nov 8 2016	01:13:35.9	7.24	-76.20	Sup	1.5	0.5	231	11	MUTATA (ANTIOQUIA)
345	Nov 8 2016	01:36:10.1	6.78	-73.15	141	1.3	0.4	148	12	LOS SANTOS (SANTANDER)
346	Nov 8 2016	01:52:44.8	3.60	-76.70	90	1.2	0.3	202	9	DAGUA (VALLE)
347	Nov 8 2016	03:21: 2.6	7.39	-72.84	Sup	1.4	0.4	121	14	VETAS (SANTANDER)
348	Nov 8 2016	03:39:42.2	6.76	-73.15	144	1.5	0.3	151	12	LOS SANTOS (SANTANDER)
349	Nov 8 2016	04:38:50.8	6.71	-73.13	152	1.1	0.3	167	8	JORDAN (SANTANDER)
350	Nov 8 2016	04:39:44.0	7.56	-75.29	Sup	1.7	0.4	147	12	CACERES (ANTIOQUIA)
351	Nov 8 2016	04:51:40.6	7.02	-73.35	10	1.2	0.2	137	11	BETULIA (SANTANDER)
352	Nov 8 2016	05:30:54.4	2.91	-76.03	Sup	1.6	0.6	110	17	TORIBIO (CAUCA)
353	Nov 8 2016	05:32:57.0	5.56	-72.67	Sup	1.1	0.4	184	9	LABRANZAGRANDE (BOYACA)
354	Nov 8 2016	05:51:21.4	6.70	-73.11	139	1.4	0.4	176	10	JORDAN (SANTANDER)
355	Nov 8 2016	06:05:58.5	7.67	-73.96	17	1.0	0.5	207	7	SAN PABLO (BOLIVAR)
356	Nov 8 2016	06:18:42.9	6.75	-73.31	119	0.9	0.5	119	10	ZAPATOCA (SANTANDER)
357	Nov 8 2016	06:39:24.0	5.27	-73.81	141	1.1	0.3	160	10	UBATE (CUNDINAMARCA)
358	Nov 8 2016	06:55: 8.7	1.87	-76.04	9	1.5	0.2	117	20	PITALITO (HUILA)
359	Nov 8 2016	06:58:29.1	6.93	-76.62	Sup	2.1	0.5	132	26	MURINDO (ANTIOQUIA)
360	Nov 8 2016	07:08:49.8	1.94	-76.01	8	1.3	0.2	108	16	SALADOBLANCO (HUILA)
361	Nov 8 2016	07:13:28.6	7.91	-72.17	Sup	2.4	0.5	264	16	LA FRONTERA CON VENEZUELA
362	Nov 8 2016	07:53: 8.1	6.79	-73.13	145	1.5	0.4	155	20	LOS SANTOS (SANTANDER)
363	Nov 8 2016	09:04: 8.7	3.58	-74.03	Sup	2.0	0.6	100	32	LEJANIAS (META)
364	Nov 8 2016	09:57:28.1	3.83	-76.44	131	3.1	0.5	165	45	YOTOCO (VALLE)
365	Nov 8 2016	10:32:19.0	6.68	-73.19	147	1.4	0.1	224	8	VILLANUEVA (SANTANDER)
366	Nov 8 2016	10:35:36.3	6.65	-73.23	132	1.2	0.4	187	8	BARICHARA (SANTANDER)
367	Nov 8 2016	10:50:21.7	6.82	-73.14	146	1.9	0.3	147	20	LOS SANTOS (SANTANDER)
368	Nov 8 2016	10:51:51.9	3.30	-79.17	Sup	2.1	0.4	290	14	O. PACIFICO SUR
369	Nov 8 2016	11:11: 9.3	6.75	-73.15	144	1.6	0.3	153	8	LOS SANTOS (SANTANDER)
370	Nov 8 2016	11:41: 7.3	6.70	-73.12	142	1.5	0.4	175	10	JORDAN (SANTANDER)
371	Nov 8 2016	11:50:50.7	6.73	-73.12	146	1.5	0.4	167	10	JORDAN (SANTANDER)
372	Nov 8 2016	12:33:17.2	6.73	-73.13	142	1.5	0.3	162	10	LOS SANTOS (SANTANDER)
373	Nov 8 2016	15:30: 2.4	6.81	-73.16	147	2.7	0.5	79	42	LOS SANTOS (SANTANDER)
374	Nov 8 2016	15:39:58.9	7.10	-76.99	97	2.3	0.3	153	10	MURINDO (ANTIOQUIA)
375	Nov 8 2016	15:45:10.1	6.77	-73.10	146	1.9	0.4	160	16	LOS SANTOS (SANTANDER)
376	Nov 8 2016	17:25:23.0	4.24	-76.31	133	2.1	0.4	130	35	TRUJILLO (VALLE)
377	Nov 8 2016	18:15:22.0	6.72	-73.15	144	1.9	0.5	156	10	JORDAN (SANTANDER)
378	Nov 8 2016	19:31:37.5	6.77	-73.14	150	3.4	0.5	66	54	LOS SANTOS (SANTANDER)
379	Nov 8 2016	19:36:59.6	3.44	-74.68	Sup	2.4	0.7	151	26	COLOMBIA (HUILA)
380	Nov 8 2016	20:38:54.3	6.82	-73.17	151	1.6	0.4	152	12	LOS SANTOS (SANTANDER)
381	Nov 8 2016	21:05:49.9	2.99	-74.85	Sup	1.8	0.4	239	12	BARAYA (HUILA)
382	Nov 8 2016	21:23:45.7	1.90	-76.09	Sup	0.9	0.3	167	8	PITALITO (HUILA)
383	Nov 8 2016	21:41:14.8	6.82	-73.18	148	2.6	0.5	137	26	ZAPATOCA (SANTANDER)
384	Nov 8 2016	21:57:17.3	4.74	-74.67	22	1.6	0.3	117	13	PULI (CUNDINAMARCA)
385	Nov 8 2016	23:18:33.9	6.77	-73.19	140	1.6	0.5	134	12	ZAPATOCA (SANTANDER)
386	Nov 8 2016	23:19: 6.8	1.40	-77.85	15	2.1	0.5	175	13	SANTA CRUZ (NARINO)
387	Nov 8 2016	23:22: 6.0	2.82	-76.59	32	1.3	0.2	153	8	MORALES (CAUCA)
388	Nov 9 2016	00:12:48.2	6.70	-73.14	145	1.3	0.4	165	9	VILLANUEVA (SANTANDER)
389	Nov 9 2016	00:31:27.3	2.08	-75.68	Sup	1.7	0.2	114	9	ALTAMIRA (HUILA)
390	Nov 9 2016	01:03:28.0	6.79	-73.14	137	1.6	0.5	151	18	LOS SANTOS (SANTANDER)
391	Nov 9 2016	01:05:15.3	6.79	-73.17	145	1.9	0.2	117	24	LOS SANTOS (SANTANDER)
392	Nov 9 2016	01:35:54.0	6.79	-73.15	143	1.9	0.3	118	22	LOS SANTOS (SANTANDER)
393	Nov 9 2016	01:45:35.6	5.29	-73.91	127	0.9	0.2	188	8	CARMEN DE CARUPA (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
394	Nov 9 2016	01:47: 1.5	6.47	-73.33	131	1.5	0.4	140	13	SIMACOTA (SANTANDER)
395	Nov 9 2016	01:53:28.2	6.77	-73.15	142	1.3	0.4	152	13	LOS SANTOS (SANTANDER)
396	Nov 9 2016	02:09:53.1	3.97	-76.69	96	1.6	0.4	110	20	CALIMA (VALLE)
397	Nov 9 2016	02:23:55.8	6.78	-73.13	141	1.5	0.2	157	13	LOS SANTOS (SANTANDER)
398	Nov 9 2016	03:05:18.2	6.78	-73.15	144	3.2	0.5	65	62	LOS SANTOS (SANTANDER)
399	Nov 9 2016	03:16:15.6	6.78	-73.17	147	1.4	0.4	242	14	LOS SANTOS (SANTANDER)
400	Nov 9 2016	03:34:22.9	6.81	-73.18	148	0.9	0.2	242	6	ZAPATOCA (SANTANDER)
401	Nov 9 2016	03:38: 0.4	6.80	-73.17	148	1.5	0.4	241	10	LOS SANTOS (SANTANDER)
402	Nov 9 2016	03:43:58.4	7.52	-73.01	151	1.0	0.5	211	10	SURATA (SANTANDER)
403	Nov 9 2016	03:46: 5.7	6.79	-73.10	146	1.9	0.4	123	22	LOS SANTOS (SANTANDER)
404	Nov 9 2016	04:07:14.3	6.75	-73.12	149	1.2	0.3	162	10	LOS SANTOS (SANTANDER)
405	Nov 9 2016	04:25:44.0	6.78	-73.10	138	1.4	0.3	166	10	LOS SANTOS (SANTANDER)
406	Nov 9 2016	04:55: 9.7	5.28	-74.47	38	1.0	0.3	130	13	CAPARRAPI (CUNDINAMARCA)
407	Nov 9 2016	05:27:36.8	5.42	-73.83	129	1.3	0.4	143	11	SUSA (CUNDINAMARCA)
408	Nov 9 2016	06:02:30.2	7.15	-72.98	163	1.3	0.4	279	8	TONA (SANTANDER)
409	Nov 9 2016	06:21:44.8	7.14	-72.04	Sup	1.4	0.5	233	10	LA FRONTERA CON VENEZUELA
410	Nov 9 2016	07:31:16.9	6.74	-73.14	152	1.1	0.2	159	8	LOS SANTOS (SANTANDER)
411	Nov 9 2016	07:36:31.1	7.72	-76.45	108	1.4	0.2	281	8	CAREPA (ANTIOQUIA)
412	Nov 9 2016	09:14:31.8	6.79	-73.16	139	1.2	0.4	146	8	LOS SANTOS (SANTANDER)
413	Nov 9 2016	09:35:55.0	10.88	-72.18	Sup	2.4	0.3	205	12	LA FRONTERA CON VENEZUELA
414	Nov 9 2016	09:48:40.8	6.76	-73.16	144	1.2	0.2	148	8	LOS SANTOS (SANTANDER)
415	Nov 9 2016	10:40:49.8	6.79	-73.15	150	2.3	0.4	147	26	LOS SANTOS (SANTANDER)
416	Nov 9 2016	10:50:47.0	5.27	-73.73	144	2.5	0.3	65	36	LENGUAZAUQUE (CUNDINAMARCA)
417	Nov 9 2016	12:26:34.2	6.77	-73.10	144	1.9	0.2	161	12	LOS SANTOS (SANTANDER)
418	Nov 9 2016	12:48:30.0	6.71	-73.11	144	1.6	0.4	175	10	JORDAN (SANTANDER)
419	Nov 9 2016	12:57:56.1	6.71	-73.11	147	1.5	0.4	177	9	JORDAN (SANTANDER)
420	Nov 9 2016	13:06:13.8	6.78	-73.16	146	1.9	0.4	147	12	LOS SANTOS (SANTANDER)
421	Nov 9 2016	15:22:54.6	7.58	-73.79	86	2.5	0.5	88	31	SAN PABLO (BOLIVAR)
422	Nov 9 2016	17:10:40.3	6.80	-73.14	145	2.8	0.4	85	36	LOS SANTOS (SANTANDER)
423	Nov 9 2016	17:30:24.3	6.80	-73.14	149	2.8	0.5	85	38	LOS SANTOS (SANTANDER)
424	Nov 9 2016	18:00:42.7	6.80	-73.15	146	2.6	0.4	147	36	LOS SANTOS (SANTANDER)
425	Nov 9 2016	18:40:38.4	4.85	-74.71	16	1.8	0.3	105	12	BELTRAN (CUNDINAMARCA)
426	Nov 9 2016	19:41:42.1	6.71	-73.13	145	1.9	0.3	168	10	JORDAN (SANTANDER)
427	Nov 9 2016	20:07:33.3	4.69	-76.79	51	1.2	0.1	246	7	SIPI (CHOCO)
428	Nov 9 2016	21:52:59.3	6.94	-76.30	Sup	1.6	0.4	239	10	DABEIBA (ANTIOQUIA)
429	Nov 9 2016	21:54:13.5	6.76	-73.15	134	1.7	0.4	152	8	LOS SANTOS (SANTANDER)
430	Nov 9 2016	22:04:17.8	6.47	-73.78	24	1.3	0.5	196	9	SANTA HELENA DEL OPOON (SANTANDER)
431	Nov 9 2016	22:35:55.5	6.84	-73.14	149	1.9	0.4	147	14	LOS SANTOS (SANTANDER)
432	Nov 9 2016	22:41:33.0	2.36	-75.55	13	0.9	0.2	184	7	GIGANTE (HUILA)
433	Nov 9 2016	23:16:46.3	6.68	-73.35	122	1.4	0.3	159	8	GALAN (SANTANDER)
434	Nov 9 2016	23:55:27.7	4.09	-76.03	170	1.6	0.4	93	9	ANDALUCIA (VALLE)
435	Nov 10 2016	00:07:46.9	7.70	-73.02	154	1.6	0.4	145	13	CACHIRA (N.SANTANDER)
436	Nov 10 2016	00:00: 7.5	5.67	-76.47	Sup	2.0	0.2	262	10	LLORO (CHOCO)
437	Nov 10 2016	00:15:54.6	7.50	-73.14	142	1.5	0.3	150	12	EL PLAYON (SANTANDER)
438	Nov 10 2016	00:50: 5.7	5.13	-76.56	42	1.4	0.2	228	12	CONDOTO (CHOCO)
439	Nov 10 2016	01:06:10.3	3.39	-76.62	Sup	1.3	0.3	143	12	CALI (VALLE)
440	Nov 10 2016	01:24: 9.7	7.31	-76.05	7	1.0	0.2	203	10	ITUANGO (ANTIOQUIA)
441	Nov 10 2016	01:31:16.6	6.80	-73.13	141	1.6	0.4	153	15	LOS SANTOS (SANTANDER)
442	Nov 10 2016	01:57:19.8	7.40	-73.19	131	1.6	0.1	184	9	EL PLAYON (SANTANDER)
443	Nov 10 2016	02:08: 8.0	6.80	-73.15	148	2.6	0.5	73	31	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
444	Nov 10 2016	02:09:54.4	3.83	-75.99	176	2.9	0.5	56	60	SAN PEDRO (VALLE)
445	Nov 10 2016	02:12:16.9	6.76	-73.10	141	1.6	0.4	161	15	LOS SANTOS (SANTANDER)
446	Nov 10 2016	02:24: 4.8	7.09	-76.44	Sup	1.8	0.4	142	12	MUTATA (ANTIOQUIA)
447	Nov 10 2016	04:01:13.4	7.02	-76.31	Sup	1.0	0.1	242	9	DABEIBA (ANTIOQUIA)
448	Nov 10 2016	04:15:17.3	5.74	-73.95	100	1.6	0.4	88	20	TUNUNGUA (BOYACA)
449	Nov 10 2016	04:21:35.5	6.43	-73.38	125	1.2	0.6	138	10	SIMACOTA (SANTANDER)
450	Nov 10 2016	04:24:52.5	4.46	-76.09	136	1.2	0.3	129	12	LA UNION (VALLE)
451	Nov 10 2016	04:34:13.3	4.66	-76.10	40	1.2	0.3	123	10	TORO (VALLE)
452	Nov 10 2016	04:50:56.9	6.60	-73.20	153	1.0	0.2	172	8	BARICHARA (SANTANDER)
453	Nov 10 2016	05:17:25.9	7.20	-76.29	Sup	1.7	0.4	259	8	MUTATA (ANTIOQUIA)
454	Nov 10 2016	05:20:33.4	6.72	-73.11	143	1.3	0.4	263	8	JORDAN (SANTANDER)
455	Nov 10 2016	05:24:37.7	6.67	-73.18	145	0.9	0.5	226	7	VILLANUEVA (SANTANDER)
456	Nov 10 2016	05:33:13.4	5.72	-76.03	45	2.4	0.4	94	28	BETANIA (ANTIOQUIA)
457	Nov 10 2016	06:05:44.3	5.59	-73.74	129	1.5	0.5	150	10	SAN MIGUEL DE SEMA (BOYACA)
458	Nov 10 2016	06:17:58.3	4.43	-76.29	82	1.5	0.1	175	7	EL DOVIO (VALLE)
459	Nov 10 2016	06:23:52.6	6.79	-73.11	147	2.0	0.5	122	24	LOS SANTOS (SANTANDER)
460	Nov 10 2016	06:40:36.9	5.60	-73.51	154	1.8	0.3	116	20	SACHICA (BOYACA)
461	Nov 10 2016	06:51:43.3	6.80	-73.09	142	1.8	0.4	160	23	LOS SANTOS (SANTANDER)
462	Nov 10 2016	06:56:26.2	5.65	-73.62	136	1.8	0.4	105	22	SUTAMARCHAN (BOYACA)
463	Nov 10 2016	07:03:44.4	6.77	-73.13	139	1.7	0.4	157	20	LOS SANTOS (SANTANDER)
464	Nov 10 2016	07:40:56.4	6.99	-76.23	Sup	1.0	0.5	296	8	DABEIBA (ANTIOQUIA)
465	Nov 10 2016	07:42: 6.9	6.88	-73.16	146	1.5	0.4	137	14	BETULIA (SANTANDER)
466	Nov 10 2016	07:55:31.1	6.79	-73.13	144	1.8	0.3	157	19	LOS SANTOS (SANTANDER)
467	Nov 10 2016	08:39:32.2	6.92	-76.71	8	2.1	0.5	247	14	MURINDO (ANTIOQUIA)
468	Nov 10 2016	12:33:56.5	6.33	-73.58	110	1.5	0.3	226	8	SANTA HELENA DEL OPO (SANTANDER)
469	Nov 10 2016	12:43:11.4	5.56	-73.86	135	3.4	0.6	61	64	CALDAS (BOYACA)
470	Nov 10 2016	13:01:23.4	2.75	-75.07	Sup	1.5	0.2	241	10	RIVERA (HUILA)
471	Nov 10 2016	14:07:56.2	2.33	-75.57	14	1.6	0.6	124	14	GIGANTE (HUILA)
472	Nov 10 2016	14:25: 0.5	6.80	-73.15	144	1.9	0.5	146	14	LOS SANTOS (SANTANDER)
473	Nov 10 2016	14:54:36.4	6.89	-73.21	130	2.0	0.5	125	12	BETULIA (SANTANDER)
474	Nov 10 2016	15:13: 3.4	9.90	-73.18	122	3.3	0.5	136	35	AGUSTIN CODAZZI (CESAR)
475	Nov 10 2016	16:02:32.1	5.22	-76.22	90	2.6	0.6	138	36	PUEBLO RICO (RISARALDA)
476	Nov 10 2016	16:18:50.0	6.78	-73.13	144	1.9	0.3	156	12	LOS SANTOS (SANTANDER)
477	Nov 10 2016	16:50:48.3	6.78	-73.09	149	1.7	0.4	161	12	LOS SANTOS (SANTANDER)
478	Nov 10 2016	17:31:15.7	3.30	-74.47	Sup	1.9	0.6	193	12	URIBE (META)
479	Nov 10 2016	19:04:29.5	7.16	-76.05	Sup	1.5	0.4	176	10	PEQUE (ANTIOQUIA)
480	Nov 10 2016	19:06:19.7	7.20	-76.08	Sup	1.7	0.5	190	10	PEQUE (ANTIOQUIA)
481	Nov 10 2016	19:57:58.5	7.14	-76.28	Sup	1.8	0.5	243	10	DABEIBA (ANTIOQUIA)
482	Nov 10 2016	21:22:42.0	2.45	-75.36	19	1.3	0.6	201	11	ALGECIRAS (HUILA)
483	Nov 10 2016	22:05:22.8	3.57	-76.13	62	1.6	0.4	172	8	PALMIRA (VALLE)
484	Nov 10 2016	22:33:15.2	6.65	-73.38	119	1.6	0.3	156	8	GALAN (SANTANDER)
485	Nov 10 2016	22:42:33.7	6.78	-73.15	145	1.7	0.4	148	11	LOS SANTOS (SANTANDER)
486	Nov 10 2016	23:17:51.3	10.16	-74.53	29	2.3	0.6	171	16	CHIVOLO (MAGDALENA)
487	Nov 10 2016	23:21:27.2	0.88	-77.40	8	1.3	0.3	300	8	PUERRES (NARINO)
488	Nov 11 2016	00:26:42.0	6.80	-73.14	144	2.2	0.5	102	26	LOS SANTOS (SANTANDER)
489	Nov 11 2016	00:55:24.5	6.80	-73.09	150	1.4	0.3	166	8	LOS SANTOS (SANTANDER)
490	Nov 11 2016	01:10:41.5	6.80	-73.14	146	3.0	0.5	65	55	LOS SANTOS (SANTANDER)
491	Nov 11 2016	02:19: 0.7	3.91	-76.29	118	1.7	0.2	226	8	BUGA (VALLE)
492	Nov 11 2016	02:43: 4.9	2.00	-75.97	Sup	1.9	0.4	98	18	ELIAS (HUILA)
493	Nov 11 2016	04:31:34.1	6.80	-73.15	147	3.3	0.5	65	64	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
494	Nov 11 2016	05:20:24.4	6.60	-73.13	147	1.5	0.3	225	7	SAN GIL (SANTANDER)
495	Nov 11 2016	07:21:27.9	7.47	-76.20	Sup	1.9	0.6	172	14	MUTATA (ANTIOQUIA)
496	Nov 11 2016	07:31:37.8	4.71	-76.23	93	1.5	0.4	156	16	EL CAIRO (VALLE)
497	Nov 11 2016	07:45:20.7	10.40	-72.37	110	1.7	0.1	217	7	LA FRONTERA CON VENEZUELA
498	Nov 11 2016	08:06:33.7	7.43	-76.22	Sup	1.2	0.4	248	10	MUTATA (ANTIOQUIA)
499	Nov 11 2016	08:22:39.5	6.86	-73.22	154	1.5	0.4	123	15	ZAPATOCA (SANTANDER)
500	Nov 11 2016	09:07:20.5	3.69	-76.07	Sup	1.5	0.4	119	14	GINEBRA (VALLE)
501	Nov 11 2016	09:14: 3.2	7.18	-76.21	Sup	1.2	0.5	231	10	DABEIBA (ANTIOQUIA)
502	Nov 11 2016	09:30:41.4	6.66	-73.18	144	1.2	0.2	229	7	VILLANUEVA (SANTANDER)
503	Nov 11 2016	09:56:22.3	6.66	-74.10	14	1.9	0.3	122	18	PUERTO PARRA (SANTANDER)
504	Nov 11 2016	10:06:31.1	5.84	-72.46	Sup	2.0	0.5	177	16	PISVA (BOYACA)
505	Nov 11 2016	10:29:55.3	6.06	-76.72	21	2.1	0.5	218	18	MEDIO ATRATO (CHOCO)
506	Nov 11 2016	10:40:58.6	1.85	-76.22	12	1.2	0.0	190	10	ISNOS (HUILA)
507	Nov 11 2016	11:15:48.2	6.74	-73.11	144	1.9	0.4	171	14	LOS SANTOS (SANTANDER)
508	Nov 11 2016	12:50:14.8	6.71	-73.13	142	1.6	0.3	167	12	JORDAN (SANTANDER)
509	Nov 11 2016	13:17: 6.0	6.71	-73.19	151	1.7	0.3	225	8	VILLANUEVA (SANTANDER)
510	Nov 11 2016	13:38:13.9	6.76	-73.14	142	2.3	0.5	153	15	LOS SANTOS (SANTANDER)
511	Nov 11 2016	13:42:13.8	6.81	-73.17	142	2.5	0.6	141	30	LOS SANTOS (SANTANDER)
512	Nov 11 2016	13:52:25.9	6.82	-73.17	138	2.0	0.3	138	18	ZAPATOCA (SANTANDER)
513	Nov 11 2016	14:08: 3.9	6.80	-73.12	151	1.8	0.2	264	7	LOS SANTOS (SANTANDER)
514	Nov 11 2016	14:27: 4.8	6.75	-73.13	144	2.2	0.4	161	14	LOS SANTOS (SANTANDER)
515	Nov 11 2016	14:59:39.6	6.03	-77.91	21	2.7	0.3	165	24	O. PACIFICO NORTE
516	Nov 11 2016	15:40:32.0	4.77	-76.23	111	1.5	0.0	150	8	EL CAIRO (VALLE)
517	Nov 11 2016	16:43:35.7	6.79	-73.14	148	2.1	0.5	152	11	LOS SANTOS (SANTANDER)
518	Nov 11 2016	17:12:35.5	7.42	-75.02	31	2.0	0.3	124	18	ZARAGOZA (ANTIOQUIA)
519	Nov 11 2016	18:07:36.7	6.55	-73.17	117	1.8	0.5	246	12	PINCHOTE (SANTANDER)
520	Nov 11 2016	18:14:32.8	6.79	-73.14	146	2.4	0.5	150	18	LOS SANTOS (SANTANDER)
521	Nov 11 2016	18:59:46.9	8.68	-73.16	120	2.2	0.4	140	20	EL TARRA (N.SANTANDER)
522	Nov 11 2016	19:03:18.2	8.76	-73.56	32	1.7	0.4	168	9	PELAYA (CESAR)
523	Nov 11 2016	19:06:23.0	6.70	-73.10	138	2.2	0.3	179	14	JORDAN (SANTANDER)
524	Nov 11 2016	19:54:17.9	6.77	-73.16	144	1.9	0.3	145	10	LOS SANTOS (SANTANDER)
525	Nov 11 2016	20:23:27.4	6.75	-74.49	19	2.0	0.3	128	12	PUERTO BERRIO (ANTIOQUIA)
526	Nov 11 2016	20:55:17.4	4.37	-74.85	26	1.4	0.4	183	10	NARINO (CUNDINAMARCA)
527	Nov 11 2016	21:01:20.9	4.64	-73.14	18	2.5	0.5	115	23	SAN LUIS DE GACENO (BOYACA)
528	Nov 11 2016	21:27: 7.6	4.15	-76.92	72	1.4	0.5	150	8	BUENAVENTURA (VALLE)
529	Nov 11 2016	21:58:39.3	6.79	-73.18	147	2.1	0.5	238	18	ZAPATOCA (SANTANDER)
530	Nov 11 2016	22:23:10.3	2.44	-75.59	Sup	1.4	0.4	129	15	GIGANTE (HUILA)
531	Nov 11 2016	23:30:39.3	8.78	-77.50	100	2.7	0.5	144	25	ACANDI (CHOCO)
532	Nov 11 2016	23:32:47.0	6.82	-73.14	147	1.9	0.5	147	10	LOS SANTOS (SANTANDER)
533	Nov 11 2016	23:37:16.7	6.78	-73.15	148	1.6	0.4	150	10	LOS SANTOS (SANTANDER)
534	Nov 12 2016	00:22:54.4	6.83	-73.14	146	1.8	0.4	147	15	LOS SANTOS (SANTANDER)
535	Nov 12 2016	00:33:33.7	3.99	-76.88	100	2.0	0.4	113	26	BUENAVENTURA (VALLE)
536	Nov 12 2016	00:34: 8.7	6.75	-73.10	143	2.1	0.2	124	16	LOS SANTOS (SANTANDER)
537	Nov 12 2016	00:43:53.8	6.77	-73.11	147	1.5	0.2	164	11	LOS SANTOS (SANTANDER)
538	Nov 12 2016	01:30:16.7	6.77	-73.19	129	1.8	0.4	117	19	ZAPATOCA (SANTANDER)
539	Nov 12 2016	01:39:18.7	6.68	-73.10	143	1.4	0.2	156	10	JORDAN (SANTANDER)
540	Nov 12 2016	01:57:51.0	6.68	-73.10	147	1.4	0.3	275	7	JORDAN (SANTANDER)
541	Nov 12 2016	02:34: 5.0	1.88	-76.00	15	1.1	0.3	146	9	PITALITO (HUILA)
542	Nov 12 2016	03:22:27.0	6.76	-73.12	149	1.4	0.4	123	12	LOS SANTOS (SANTANDER)
543	Nov 12 2016	03:29:52.0	6.01	-76.52	23	1.6	0.4	234	13	MEDIO ATRATO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
544	Nov 12 2016	03:38:32.7	6.44	-73.80	99	1.7	0.1	154	11	CIMITARRA (SANTANDER)
545	Nov 12 2016	03:47:40.5	2.01	-75.96	18	1.0	0.2	126	9	ELIAS (HUILA)
546	Nov 12 2016	04:03:20.9	6.78	-73.10	145	1.4	0.2	166	11	LOS SANTOS (SANTANDER)
547	Nov 12 2016	04:57:46.4	7.35	-73.14	140	1.4	0.2	177	9	RIONEGRO (SANTANDER)
548	Nov 12 2016	05:06:51.2	6.75	-73.08	142	1.8	0.4	94	28	LOS SANTOS (SANTANDER)
549	Nov 12 2016	05:37: 7.0	5.23	-73.73	144	1.4	0.4	101	17	CUCUNUBA (CUNDINAMARCA)
550	Nov 12 2016	06:23:28.9	6.75	-73.14	148	1.2	0.4	155	10	LOS SANTOS (SANTANDER)
551	Nov 12 2016	06:32:39.8	6.79	-73.13	145	2.0	0.5	89	29	LOS SANTOS (SANTANDER)
552	Nov 12 2016	06:53:32.2	6.72	-73.18	153	1.2	0.2	143	10	VILLANUEVA (SANTANDER)
553	Nov 12 2016	07:02:46.8	5.23	-73.72	149	1.2	0.3	101	11	CUCUNUBA (CUNDINAMARCA)
554	Nov 12 2016	07:25:20.8	3.89	-76.89	83	1.3	0.1	296	7	BUENAVENTURA (VALLE)
555	Nov 12 2016	07:27: 1.9	7.18	-74.12	8	1.6	0.3	151	12	PUERTO WILCHES (SANTANDER)
556	Nov 12 2016	07:44:14.0	6.65	-73.31	116	1.2	0.1	149	9	GALAN (SANTANDER)
557	Nov 12 2016	07:59:56.7	5.74	-73.09	Sup	2.7	0.4	86	44	PAIPA (BOYACA)
558	Nov 12 2016	08:07:12.5	6.05	-73.75	119	2.0	0.4	159	30	BOLIVAR (SANTANDER)
559	Nov 12 2016	08:38:28.4	6.65	-73.21	140	1.0	0.3	202	8	BARICHARA (SANTANDER)
560	Nov 12 2016	08:56: 2.0	5.73	-73.11	Sup	2.0	0.5	85	24	PAIPA (BOYACA)
561	Nov 12 2016	08:59:59.6	4.81	-76.66	32	1.2	0.4	233	11	NOVITA (CHOCO)
562	Nov 12 2016	09:19:56.3	4.76	-76.38	95	0.8	0.3	219	7	EL CAIRO (VALLE)
563	Nov 12 2016	10:24:18.3	5.75	-73.08	Sup	1.7	0.3	135	17	PAIPA (BOYACA)
564	Nov 12 2016	11:09:10.3	6.79	-73.15	145	2.6	0.5	100	26	LOS SANTOS (SANTANDER)
565	Nov 12 2016	11:10:28.3	6.80	-73.15	145	3.5	0.5	68	61	LOS SANTOS (SANTANDER)
566	Nov 12 2016	11:13:45.0	6.83	-73.20	130	1.6	0.4	130	10	ZAPATOCA (SANTANDER)
567	Nov 12 2016	11:16:13.5	6.80	-73.16	144	2.4	0.5	102	34	LOS SANTOS (SANTANDER)
568	Nov 12 2016	11:44:51.1	6.81	-73.14	147	2.5	0.6	118	36	LOS SANTOS (SANTANDER)
569	Nov 12 2016	12:53:19.7	7.75	-74.62	36	1.8	0.1	262	10	EL BAGRE (ANTIOQUIA)
570	Nov 12 2016	14:24: 8.3	7.19	-76.23	Sup	2.0	0.5	239	12	DABEIBA (ANTIOQUIA)
571	Nov 12 2016	14:41: 7.3	2.92	-76.91	89	1.7	0.3	138	18	SUAREZ (CAUCA)
572	Nov 12 2016	14:45:54.3	6.80	-73.14	144	2.1	0.3	150	18	LOS SANTOS (SANTANDER)
573	Nov 12 2016	14:57:38.4	6.78	-73.18	141	1.7	0.3	137	10	ZAPATOCA (SANTANDER)
574	Nov 12 2016	15:08:14.2	6.71	-73.12	142	1.5	0.4	174	7	JORDAN (SANTANDER)
575	Nov 12 2016	17:02:11.0	6.72	-73.12	141	1.8	0.3	168	14	JORDAN (SANTANDER)
576	Nov 12 2016	17:47:17.1	6.76	-73.11	146	2.2	0.4	160	22	LOS SANTOS (SANTANDER)
577	Nov 12 2016	21:07:16.4	2.29	-77.30	111	1.5	0.4	266	8	ARGELIA (CAUCA)
578	Nov 12 2016	21:59:20.4	6.77	-73.19	138	1.5	0.4	135	10	ZAPATOCA (SANTANDER)
579	Nov 12 2016	23:04: 0.8	6.36	-74.22	71	1.9	0.4	87	14	PUERTO BERRIO (ANTIOQUIA)
580	Nov 12 2016	23:29: 8.5	6.33	-73.64	102	1.2	0.5	223	8	SANTA HELENA DEL OPO (SANTANDER)
581	Nov 12 2016	23:31:39.7	6.79	-73.11	149	1.8	0.5	159	16	LOS SANTOS (SANTANDER)
582	Nov 12 2016	23:33: 3.3	6.76	-73.14	142	1.4	0.5	154	11	LOS SANTOS (SANTANDER)
583	Nov 12 2016	23:54: 8.8	6.81	-73.14	149	2.4	0.5	66	33	LOS SANTOS (SANTANDER)
584	Nov 13 2016	00:29:40.4	6.84	-73.12	148	1.9	0.4	151	19	LOS SANTOS (SANTANDER)
585	Nov 13 2016	00:38: 7.7	4.74	-74.58	Sup	1.4	0.3	122	8	QUIPILE (CUNDINAMARCA)
586	Nov 13 2016	01:01:57.3	6.63	-73.10	145	1.3	0.4	210	8	CURITI (SANTANDER)
587	Nov 13 2016	01:04:40.7	6.84	-73.16	144	2.2	0.5	140	27	ZAPATOCA (SANTANDER)
588	Nov 13 2016	01:10:49.6	6.00	-73.72	122	1.8	0.1	207	8	BOLIVAR (SANTANDER)
589	Nov 13 2016	01:19:29.6	6.78	-73.10	136	2.0	0.4	98	23	LOS SANTOS (SANTANDER)
590	Nov 13 2016	02:24: 1.7	5.26	-73.72	145	1.7	0.4	97	22	CUCUNUBA (CUNDINAMARCA)
591	Nov 13 2016	03:05:43.5	6.88	-73.35	111	1.7	0.3	113	12	SAN VICENTE DE CHUCURI (SANTANDER)
592	Nov 13 2016	03:53:49.3	6.80	-73.13	140	2.2	0.4	101	29	LOS SANTOS (SANTANDER)
593	Nov 13 2016	04:29:43.4	5.13	-74.83	Sup	1.3	0.5	99	20	MARIQUITA (TOLIMA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
594	Nov 13 2016	04:51:33.0	6.83	-73.12	152	1.7	0.4	119	22	LOS SANTOS (SANTANDER)
595	Nov 13 2016	05:11:47.6	3.46	-74.59	Sup	1.2	0.5	173	12	COLOMBIA (HUILA)
596	Nov 13 2016	05:21:39.9	6.79	-73.14	144	3.5	0.5	65	77	LOS SANTOS (SANTANDER)
597	Nov 13 2016	05:45:44.7	6.76	-73.14	147	1.3	0.3	154	10	LOS SANTOS (SANTANDER)
598	Nov 13 2016	06:01:35.1	6.79	-73.12	151	1.9	0.5	67	29	LOS SANTOS (SANTANDER)
599	Nov 13 2016	06:18:29.0	6.77	-73.14	149	1.6	0.5	120	18	LOS SANTOS (SANTANDER)
600	Nov 13 2016	06:31: 2.6	6.32	-73.58	113	1.8	0.5	59	30	SANTA HELENA DEL OPON (SANTANDER)
601	Nov 13 2016	06:35:39.5	6.67	-76.77	57	1.8	0.1	124	20	VIGIA DEL FUERTE (ANTIOQUIA)
602	Nov 13 2016	07:16:39.2	6.78	-73.17	143	1.0	0.4	142	8	LOS SANTOS (SANTANDER)
603	Nov 13 2016	07:44:26.5	9.61	-74.76	Sup	1.6	0.4	108	17	CORDOBA (BOLIVAR)
604	Nov 13 2016	08:08:13.8	3.10	-74.55	Sup	1.0	0.3	245	12	URIBE (META)
605	Nov 13 2016	08:18: 1.7	6.65	-74.14	10	1.4	0.5	156	10	PUERTO PARRA (SANTANDER)
606	Nov 13 2016	08:24:18.4	4.37	-75.96	154	1.4	0.5	105	14	ZARZAL (VALLE)
607	Nov 13 2016	08:48:17.0	7.37	-73.20	127	2.3	0.3	95	30	EL PLAYON (SANTANDER)
608	Nov 13 2016	09:04:13.6	6.59	-73.67	101	1.4	0.4	139	12	EL CARMEN (SANTANDER)
609	Nov 13 2016	09:39:40.0	7.35	-75.31	22	1.9	0.4	116	12	VALDIVIA (ANTIOQUIA)
610	Nov 13 2016	09:46:56.8	4.46	-76.30	124	1.4	0.3	177	8	EL DOVIO (VALLE)
611	Nov 13 2016	09:47: 5.3	6.85	-76.33	12	1.5	0.3	267	8	DABEIBA (ANTIOQUIA)
612	Nov 13 2016	09:56:11.3	6.78	-73.15	146	2.1	0.4	99	20	LOS SANTOS (SANTANDER)
613	Nov 13 2016	09:56:24.1	3.66	-74.29	12	1.6	0.4	189	13	LEJANIAS (META)
614	Nov 13 2016	10:22:44.0	6.82	-73.15	146	2.8	0.6	81	44	LOS SANTOS (SANTANDER)
615	Nov 13 2016	10:27:55.2	6.75	-73.15	144	2.0	0.5	95	24	LOS SANTOS (SANTANDER)
616	Nov 13 2016	10:36:32.2	10.40	-72.87	108	2.1	0.3	143	16	LA FRONTERA CON VENEZUELA
617	Nov 13 2016	11:07:42.0	6.72	-73.11	144	2.0	0.3	125	14	JORDAN (SANTANDER)
618	Nov 13 2016	11:23:51.2	4.37	-75.34	6	1.8	0.3	124	22	CAJAMARCA (TOLIMA)
619	Nov 13 2016	12:34:39.1	6.76	-73.12	144	2.8	0.4	96	38	LOS SANTOS (SANTANDER)
620	Nov 13 2016	12:58:11.8	6.00	-75.83	22	1.5	0.2	197	8	TITIRIBI (ANTIOQUIA)
621	Nov 13 2016	13:19:17.4	6.80	-73.19	142	1.6	0.2	135	9	ZAPATOCA (SANTANDER)
622	Nov 13 2016	14:12: 3.8	4.06	-76.34	124	2.1	0.5	97	22	RIOFRIO (VALLE)
623	Nov 13 2016	14:26:20.4	7.34	-73.11	12	2.1	0.1	175	10	RIONEGRO (SANTANDER)
624	Nov 13 2016	14:36:35.7	6.80	-73.15	142	2.6	0.4	102	30	LOS SANTOS (SANTANDER)
625	Nov 13 2016	14:40:33.0	6.81	-73.17	145	2.6	0.4	138	30	ZAPATOCA (SANTANDER)
626	Nov 13 2016	16:28:32.8	2.44	-75.61	Sup	1.2	0.1	153	9	GIGANTE (HUILA)
627	Nov 13 2016	17:45: 0.3	6.83	-73.14	144	2.3	0.6	149	20	LOS SANTOS (SANTANDER)
628	Nov 13 2016	18:41:50.6	6.09	-73.32	162	2.6	0.4	169	22	SUAITA (SANTANDER)
629	Nov 13 2016	18:50: 2.0	6.79	-73.17	142	2.4	0.4	101	22	LOS SANTOS (SANTANDER)
630	Nov 13 2016	19:16:11.9	6.72	-73.10	139	1.9	0.4	175	12	JORDAN (SANTANDER)
631	Nov 13 2016	19:40:16.9	6.72	-73.15	140	1.9	0.4	157	18	JORDAN (SANTANDER)
632	Nov 13 2016	20:39:45.1	3.46	-74.24	Sup	2.2	0.5	105	38	MESETAS (META)
633	Nov 13 2016	21:44:53.0	6.80	-73.14	148	1.8	0.5	151	15	LOS SANTOS (SANTANDER)
634	Nov 13 2016	21:53: 9.1	6.78	-73.15	145	2.9	0.5	99	37	LOS SANTOS (SANTANDER)
635	Nov 13 2016	22:18:39.6	6.41	-73.52	127	1.5	0.5	175	12	SANTA HELENA DEL OPON (SANTANDER)
636	Nov 13 2016	22:34:52.0	6.66	-73.46	110	1.3	0.5	163	8	EL CARMEN (SANTANDER)
637	Nov 13 2016	22:39:17.7	6.79	-73.16	142	1.9	0.4	143	14	LOS SANTOS (SANTANDER)
638	Nov 13 2016	23:40:19.2	5.82	-76.02	69	1.3	0.4	187	8	CIUDAD BOLIVAR (ANTIOQUIA)
639	Nov 14 2016	00:00:34.5	1.47	-78.11	Sup	2.0	0.6	209	8	BARBACOAS (NARINO)
640	Nov 14 2016	00:10:34.5	6.80	-73.15	146	1.4	0.5	148	11	LOS SANTOS (SANTANDER)
641	Nov 14 2016	00:27:30.7	6.69	-73.11	147	1.3	0.4	231	8	JORDAN (SANTANDER)
642	Nov 14 2016	00:31:24.2	6.72	-73.11	150	1.4	0.4	171	9	JORDAN (SANTANDER)
643	Nov 14 2016	01:20:29.9	5.80	-73.12	Sup	1.6	0.6	133	15	PAIPA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
644	Nov 14 2016	01:28:44.1	6.05	-73.78	103	1.5	0.4	130	18	EL PENON (SANTANDER)
645	Nov 14 2016	01:37: 0.2	6.82	-73.15	151	2.1	0.5	146	28	LOS SANTOS (SANTANDER)
646	Nov 14 2016	01:46:49.0	6.27	-76.11	19	1.4	0.6	194	10	URRAO (ANTIOQUIA)
647	Nov 14 2016	02:07:26.3	2.73	-79.52	7	2.0	0.6	290	13	O. PACIFICO SUR
648	Nov 14 2016	02:16:19.0	6.77	-73.14	145	1.6	0.4	152	16	LOS SANTOS (SANTANDER)
649	Nov 14 2016	02:31:43.0	3.96	-76.17	111	2.1	0.5	76	26	SAN PEDRO (VALLE)
650	Nov 14 2016	02:37:54.6	6.77	-73.14	144	2.6	0.4	65	38	LOS SANTOS (SANTANDER)
651	Nov 14 2016	03:33:31.3	6.77	-73.14	140	2.0	0.5	121	28	LOS SANTOS (SANTANDER)
652	Nov 14 2016	03:41:41.7	7.45	-75.41	Sup	1.6	0.4	137	11	TARAZA (ANTIOQUIA)
653	Nov 14 2016	03:59:13.0	7.70	-75.13	23	1.5	0.4	181	12	CACERES (ANTIOQUIA)
654	Nov 14 2016	04:01:39.5	1.97	-75.53	Sup	1.3	0.4	184	10	GARZON (HUILA)
655	Nov 14 2016	04:04:33.0	6.77	-73.12	143	3.6	0.6	67	76	LOS SANTOS (SANTANDER)
656	Nov 14 2016	05:00:15.2	6.77	-73.15	142	2.1	0.5	151	33	LOS SANTOS (SANTANDER)
657	Nov 14 2016	05:48:51.0	6.78	-73.14	142	4.1*	0.5	69	80	LOS SANTOS (SANTANDER)
658	Nov 14 2016	06:23:29.1	4.33	-75.88	148	1.6	0.4	93	21	CAICEDONIA (VALLE)
659	Nov 14 2016	07:21:21.9	6.76	-73.12	140	1.6	0.3	160	13	LOS SANTOS (SANTANDER)
660	Nov 14 2016	08:33: 1.5	6.78	-73.13	150	3.4	0.4	67	68	LOS SANTOS (SANTANDER)
661	Nov 14 2016	10:20:27.2	7.52	-73.59	102	1.4	0.2	193	9	SABANA DE TORRES (SANTANDER)
662	Nov 14 2016	10:30:51.4	6.78	-73.15	146	1.7	0.3	148	16	LOS SANTOS (SANTANDER)
663	Nov 14 2016	10:37:22.2	6.89	-75.12	Sup	1.3	0.2	215	8	AMALFI (ANTIOQUIA)
664	Nov 14 2016	11:22:25.7	7.61	-73.99	22	1.9	0.3	187	12	SAN PABLO (BOLIVAR)
665	Nov 14 2016	12:12:41.9	6.77	-73.10	145	1.9	0.2	161	17	LOS SANTOS (SANTANDER)
666	Nov 14 2016	13:46:17.6	2.91	-74.84	Sup	2.2	0.5	95	25	BARAYA (HUILA)
667	Nov 14 2016	14:54:49.0	6.03	-73.55	152	1.5	0.3	153	10	SAN JOSE DE PARE (BOYACA)
668	Nov 14 2016	15:32:49.9	4.42	-73.68	10	1.3	0.2	254	8	SAN JUANITO (META)
669	Nov 14 2016	16:10:22.9	6.81	-73.16	152	1.8	0.3	143	12	LOS SANTOS (SANTANDER)
670	Nov 14 2016	16:19:22.1	6.75	-73.14	147	1.4	0.1	155	8	LOS SANTOS (SANTANDER)
671	Nov 14 2016	16:27:24.7	6.75	-73.21	144	1.7	0.2	127	8	ZAPATOCA (SANTANDER)
672	Nov 14 2016	16:59:51.6	6.82	-73.19	146	1.9	0.4	134	14	ZAPATOCA (SANTANDER)
673	Nov 14 2016	17:49:28.5	5.25	-73.70	149	3.2	0.4	65	45	LENGUAZQUE (CUNDINAMARCA)
674	Nov 14 2016	18:05:20.0	6.76	-73.11	139	1.7	0.1	166	13	LOS SANTOS (SANTANDER)
675	Nov 14 2016	19:33:28.3	9.09	-73.92	78	2.0	0.4	129	12	EL BANCO (MAGDALENA)
676	Nov 14 2016	20:25: 9.4	6.84	-73.10	146	2.0	0.4	156	23	LOS SANTOS (SANTANDER)
677	Nov 14 2016	21:19:15.8	2.15	-75.62	19	0.8	0.2	153	8	GARZON (HUILA)
678	Nov 14 2016	21:47:12.0	6.82	-73.36	126	1.5	0.3	114	8	SAN VICENTE DE CHUCURI (SANTANDER)
679	Nov 14 2016	21:55:35.3	6.82	-73.13	148	1.8	0.1	151	9	LOS SANTOS (SANTANDER)
680	Nov 14 2016	22:02:10.6	6.65	-73.14	146	1.4	0.3	181	9	VILLANUEVA (SANTANDER)
681	Nov 14 2016	23:13:51.5	6.74	-73.14	151	1.8	0.3	158	10	LOS SANTOS (SANTANDER)
682	Nov 14 2016	23:27:28.4	7.40	-73.21	136	1.1	0.3	219	8	EL PLAYON (SANTANDER)
683	Nov 15 2016	00:00:17.0	5.57	-75.57	Sup	1.4	0.2	106	11	VALPARAISO (ANTIOQUIA)
684	Nov 15 2016	00:09:19.0	7.29	-75.71	Sup	1.1	0.1	142	7	ITUANGO (ANTIOQUIA)
685	Nov 15 2016	00:18:56.6	6.79	-73.11	150	1.9	0.2	158	16	LOS SANTOS (SANTANDER)
686	Nov 15 2016	00:19:15.0	7.41	-73.26	124	1.5	0.1	185	6	EL PLAYON (SANTANDER)
687	Nov 15 2016	00:27:17.2	6.84	-73.20	150	1.9	0.5	128	22	ZAPATOCA (SANTANDER)
688	Nov 15 2016	01:17:29.3	11.23	-74.54	21	1.5	0.2	234	10	EL MAR CARIBE
689	Nov 15 2016	01:30:14.9	6.95	-76.50	85	1.3	0.0	255	7	DABEIBA (ANTIOQUIA)
690	Nov 15 2016	01:36:54.0	6.85	-76.41	14	1.2	0.4	247	8	DABEIBA (ANTIOQUIA)
691	Nov 15 2016	01:42:43.4	6.33	-73.59	111	1.7	0.3	149	14	SANTA HELENA DEL OPO (SANTANDER)
692	Nov 15 2016	02:58:23.3	6.72	-73.16	147	1.3	0.3	150	8	VILLANUEVA (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
693	Nov 15 2016	03:08: 9.4	6.75	-73.04	146	1.6	0.3	130	13	JORDAN (SANTANDER)
694	Nov 15 2016	03:31:48.2	6.85	-73.31	130	1.2	0.3	109	8	ZAPATOCA (SANTANDER)
695	Nov 15 2016	03:36:38.3	6.75	-73.10	147	1.5	0.2	162	9	LOS SANTOS (SANTANDER)
696	Nov 15 2016	03:45:41.7	6.80	-73.12	148	2.2	0.5	120	34	LOS SANTOS (SANTANDER)
697	Nov 15 2016	03:50:36.4	6.74	-73.11	146	1.7	0.3	169	16	LOS SANTOS (SANTANDER)
698	Nov 15 2016	04:04:42.0	6.85	-77.02	Sup	1.8	0.4	128	10	VIGIA DEL FUERTE (ANTIOQUIA)
699	Nov 15 2016	04:18:21.1	6.03	-73.29	172	1.8	0.3	173	22	GAMBITA (SANTANDER)
700	Nov 15 2016	04:28:41.6	8.58	-74.13	Sup	2.3	0.3	116	32	TIQUISIO (BOLIVAR)
701	Nov 15 2016	04:37:11.4	6.88	-73.13	149	1.5	0.3	147	12	LOS SANTOS (SANTANDER)
702	Nov 15 2016	04:45:53.6	5.25	-73.72	147	2.1	0.4	97	28	CUCUNUBA (CUNDINAMARCA)
703	Nov 15 2016	04:59:10.3	6.62	-73.21	140	1.4	0.2	130	10	BARICHARA (SANTANDER)
704	Nov 15 2016	05:00:52.6	5.92	-73.68	110	1.2	0.1	271	8	GUAVATA (SANTANDER)
705	Nov 15 2016	05:40:27.0	6.76	-73.13	143	2.3	0.5	121	32	LOS SANTOS (SANTANDER)
706	Nov 15 2016	05:42:15.8	6.80	-73.14	145	2.1	0.5	151	31	LOS SANTOS (SANTANDER)
707	Nov 15 2016	06:04: 8.1	5.24	-73.70	134	1.8	0.2	98	18	CUCUNUBA (CUNDINAMARCA)
708	Nov 15 2016	06:16:57.8	6.79	-73.11	145	1.7	0.3	159	14	LOS SANTOS (SANTANDER)
709	Nov 15 2016	06:32:18.8	2.16	-75.98	Sup	2.4	0.5	89	33	LA ARGENTINA (HUILA)
710	Nov 15 2016	06:51: 6.3	6.07	-73.68	118	2.3	0.5	61	38	CHIPATA (SANTANDER)
711	Nov 15 2016	07:14:14.9	6.59	-73.20	142	1.4	0.2	122	12	CABRERA (SANTANDER)
712	Nov 15 2016	07:32:35.6	5.55	-74.14	92	1.4	0.2	297	8	MUZO (BOYACA)
713	Nov 15 2016	07:39:45.2	10.38	-72.41	6	2.0	0.2	215	10	LA FRONTERA CON VENEZUELA
714	Nov 15 2016	07:49:42.0	9.26	-73.48	31	1.5	0.3	187	12	CURUMANI (CESAR)
715	Nov 15 2016	08:09:41.2	6.76	-73.12	149	2.3	0.4	68	38	LOS SANTOS (SANTANDER)
716	Nov 15 2016	09:18:12.4	5.63	-74.28	6	1.5	0.2	208	13	OTANCHE (BOYACA)
717	Nov 15 2016	10:26:17.5	6.76	-73.13	139	3.0	0.4	67	50	LOS SANTOS (SANTANDER)
718	Nov 15 2016	10:37: 2.8	6.83	-71.66	13	1.7	0.5	261	7	FORTUL (ARAUCA)
719	Nov 15 2016	11:59:11.9	6.77	-73.14	146	2.1	0.4	121	24	LOS SANTOS (SANTANDER)
720	Nov 15 2016	13:40:19.7	5.95	-73.77	113	1.9	0.4	135	18	SUCRE (SANTANDER)
721	Nov 15 2016	15:18: 6.1	6.72	-73.11	140	1.9	0.4	171	12	JORDAN (SANTANDER)
722	Nov 15 2016	15:20:26.1	6.84	-73.14	152	2.1	0.4	147	21	LOS SANTOS (SANTANDER)
723	Nov 15 2016	15:51:10.3	6.94	-76.38	Sup	1.8	0.4	245	12	DABEIBA (ANTIOQUIA)
724	Nov 15 2016	15:51:21.3	9.10	-73.08	13	1.5	0.2	145	10	CURUMANI (CESAR)
725	Nov 15 2016	17:22: 3.8	6.78	-73.13	147	2.0	0.4	120	19	LOS SANTOS (SANTANDER)
726	Nov 15 2016	17:46:37.9	6.81	-73.13	147	1.9	0.4	154	18	LOS SANTOS (SANTANDER)
727	Nov 15 2016	18:15: 8.5	6.78	-73.14	139	1.9	0.3	154	13	LOS SANTOS (SANTANDER)
728	Nov 15 2016	18:19:26.5	6.82	-73.16	146	1.8	0.4	104	16	LOS SANTOS (SANTANDER)
729	Nov 15 2016	18:30: 3.5	1.97	-75.99	15	1.3	0.1	133	15	TIMANA (HUILA)
730	Nov 15 2016	23:31:23.7	6.80	-73.15	143	2.8	0.5	83	42	LOS SANTOS (SANTANDER)
731	Nov 16 2016	00:14:43.2	6.59	-73.19	113	1.3	0.2	234	8	BARICHARA (SANTANDER)
732	Nov 16 2016	00:45:10.7	6.79	-73.15	142	1.7	0.4	101	21	LOS SANTOS (SANTANDER)
733	Nov 16 2016	00:54: 7.4	6.92	-73.13	149	2.2	0.6	80	32	PIEDRECUESTA (SANTANDER)
734	Nov 16 2016	00:57:45.8	6.81	-73.15	149	1.7	0.3	147	13	LOS SANTOS (SANTANDER)
735	Nov 16 2016	01:43: 6.2	3.44	-74.56	19	1.8	0.2	285	8	COLOMBIA (HUILA)
736	Nov 16 2016	02:15:15.2	6.79	-73.13	140	2.0	0.5	100	25	LOS SANTOS (SANTANDER)
737	Nov 16 2016	02:32:19.2	6.23	-73.82	102	1.8	0.3	58	25	LANDAZURI (SANTANDER)
738	Nov 16 2016	02:49:41.6	6.81	-73.13	149	1.3	0.3	154	10	LOS SANTOS (SANTANDER)
739	Nov 16 2016	03:03:38.6	6.83	-73.15	150	2.2	0.6	79	34	LOS SANTOS (SANTANDER)
740	Nov 16 2016	03:33:11.5	1.91	-75.98	17	1.3	0.3	115	14	TIMANA (HUILA)
741	Nov 16 2016	04:10:46.1	6.80	-73.12	149	1.8	0.2	158	10	LOS SANTOS (SANTANDER)
742	Nov 16 2016	04:33: 9.3	6.35	-74.33	19	1.3	0.3	136	12	PUERTO BERRIO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
743	Nov 16 2016	04:49:23.8	6.79	-73.14	147	2.9	0.4	87	53	LOS SANTOS (SANTANDER)
744	Nov 16 2016	05:28:34.1	6.81	-73.16	151	2.7	0.5	80	44	LOS SANTOS (SANTANDER)
745	Nov 16 2016	06:33:38.8	6.26	-73.63	109	1.4	0.2	235	8	SANTA HELENA DEL OPO (SANTANDER)
746	Nov 16 2016	06:40:26.2	6.72	-73.12	141	1.6	0.4	124	14	JORDAN (SANTANDER)
747	Nov 16 2016	07:07:12.8	5.42	-74.10	118	1.2	0.4	116	16	PAIME (CUNDINAMARCA)
748	Nov 16 2016	07:35:37.0	6.77	-73.07	150	1.4	0.4	126	14	LOS SANTOS (SANTANDER)
749	Nov 16 2016	07:53:36.3	6.71	-73.12	154	1.2	0.3	173	9	JORDAN (SANTANDER)
750	Nov 16 2016	08:23: 1.1	7.48	-75.10	24	1.8	0.4	92	18	ZARAGOZA (ANTIOQUIA)
751	Nov 16 2016	08:34:20.3	6.74	-73.12	145	1.8	0.5	163	20	LOS SANTOS (SANTANDER)
752	Nov 16 2016	09:03:52.0	6.75	-73.15	154	1.5	0.4	120	16	LOS SANTOS (SANTANDER)
753	Nov 16 2016	09:08:40.2	6.74	-73.16	151	1.4	0.3	149	10	LOS SANTOS (SANTANDER)
754	Nov 16 2016	09:33:34.0	6.84	-73.10	160	1.7	0.4	73	21	LOS SANTOS (SANTANDER)
755	Nov 16 2016	10:24:20.6	6.80	-73.15	142	1.7	0.4	148	13	LOS SANTOS (SANTANDER)
756	Nov 16 2016	10:25:30.4	6.77	-73.16	148	1.9	0.4	147	14	LOS SANTOS (SANTANDER)
757	Nov 16 2016	10:26:58.5	6.69	-73.13	140	1.5	0.4	172	10	VILLANUEVA (SANTANDER)
758	Nov 16 2016	10:32:42.7	6.78	-73.19	144	1.4	0.2	134	9	ZAPATOCA (SANTANDER)
759	Nov 16 2016	10:46:20.1	4.30	-75.24	Sup	1.1	0.3	164	12	ROVIRA (TOLIMA)
760	Nov 16 2016	11:23:20.8	6.59	-73.53	110	2.7	0.6	91	39	EL CARMEN (SANTANDER)
761	Nov 16 2016	11:41:20.0	10.98	-73.56	29	1.6	0.4	189	13	PUEBLO BELLO (CESAR)
762	Nov 16 2016	11:56: 2.3	5.55	-74.09	106	1.7	0.4	117	10	MUZO (BOYACA)
763	Nov 16 2016	13:10: 1.4	6.82	-73.13	142	1.5	0.4	153	8	LOS SANTOS (SANTANDER)
764	Nov 16 2016	13:33:19.9	6.83	-73.15	147	2.5	0.5	106	26	LOS SANTOS (SANTANDER)
765	Nov 16 2016	13:35:23.2	6.56	-73.54	113	2.0	0.5	91	20	EL CARMEN (SANTANDER)
766	Nov 16 2016	14:14:59.7	6.68	-73.23	103	1.3	0.8	112	8	BARICHARA (SANTANDER)
767	Nov 16 2016	14:15:49.0	5.43	-73.77	144	1.8	0.4	147	17	FUQUENE (CUNDINAMARCA)
768	Nov 16 2016	15:10:25.3	6.75	-73.14	143	1.9	0.3	154	11	LOS SANTOS (SANTANDER)
769	Nov 16 2016	16:34:44.6	6.78	-73.13	150	2.1	0.4	98	16	LOS SANTOS (SANTANDER)
770	Nov 16 2016	16:38:50.4	2.57	-75.36	22	1.2	0.3	193	8	ALGECIRAS (HUILA)
771	Nov 16 2016	16:54:15.3	4.81	-76.22	96	1.3	0.5	163	8	EL CAIRO (VALLE)
772	Nov 16 2016	18:59:47.6	6.78	-73.15	142	2.4	0.4	83	32	LOS SANTOS (SANTANDER)
773	Nov 16 2016	21:43:44.9	6.39	-73.49	116	2.8	0.5	59	50	CONTRATAACION (SANTANDER)
774	Nov 16 2016	22:15: 4.9	7.40	-72.81	Sup	1.7	0.3	206	9	VETAS (SANTANDER)
775	Nov 16 2016	22:21:41.8	6.77	-73.12	145	2.3	0.5	122	36	LOS SANTOS (SANTANDER)
776	Nov 16 2016	22:31:35.1	7.67	-75.26	19	1.9	0.5	117	16	CACERES (ANTIOQUIA)
777	Nov 16 2016	23:05:50.7	4.46	-76.03	52	1.2	0.3	156	8	LA VICTORIA (VALLE)
778	Nov 17 2016	00:13:27.2	6.64	-73.10	135	1.4	0.1	235	7	CURITI (SANTANDER)
779	Nov 17 2016	00:14:39.7	6.79	-73.13	152	1.4	0.1	154	10	LOS SANTOS (SANTANDER)
780	Nov 17 2016	00:49:39.8	6.54	-77.88	20	2.5	0.6	130	30	O. PACIFICO NORTE
781	Nov 17 2016	00:58:21.9	4.78	-76.17	92	1.0	0.2	126	10	EL CAIRO (VALLE)
782	Nov 17 2016	01:51:24.7	6.89	-73.32	122	3.2	0.7	52	64	BETULIA (SANTANDER)
783	Nov 17 2016	02:03:36.9	8.18	-76.86	88	2.2	0.3	174	24	TURBO (ANTIOQUIA)
784	Nov 17 2016	02:58:36.2	6.70	-73.15	154	1.4	0.2	158	9	VILLANUEVA (SANTANDER)
785	Nov 17 2016	03:19:23.1	6.81	-73.12	148	2.0	0.5	102	25	LOS SANTOS (SANTANDER)
786	Nov 17 2016	03:57:15.0	5.08	-78.05	10	1.9	0.6	264	22	O. PACIFICO CENTRO
787	Nov 17 2016	04:40: 9.2	6.77	-73.13	148	1.0	0.2	158	9	LOS SANTOS (SANTANDER)
788	Nov 17 2016	05:39: 3.8	6.85	-73.07	151	1.3	0.2	165	9	LOS SANTOS (SANTANDER)
789	Nov 17 2016	05:56:43.4	6.72	-73.15	157	1.4	0.2	153	8	VILLANUEVA (SANTANDER)
790	Nov 17 2016	05:57:19.7	6.61	-73.42	113	1.7	0.3	138	13	EL CARMEN (SANTANDER)
791	Nov 17 2016	06:07:30.5	6.85	-75.20	18	2.2	0.6	60	20	GUADALUPE (ANTIOQUIA)
792	Nov 17 2016	06:28:56.6	7.61	-74.38	27	1.6	0.4	118	16	EL BAGRE (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
793	Nov 17 2016	06:32: 0.6	6.75	-73.13	142	1.3	0.2	160	9	LOS SANTOS (SANTANDER)
794	Nov 17 2016	06:44: 5.3	6.70	-73.15	152	1.2	0.2	156	7	VILLANUEVA (SANTANDER)
795	Nov 17 2016	07:22:37.8	6.72	-73.14	145	1.1	0.2	160	9	JORDAN (SANTANDER)
796	Nov 17 2016	07:37:36.8	7.53	-72.34	Sup	1.4	0.3	244	12	LA FRONTERA CON VENEZUELA
797	Nov 17 2016	08:15:39.7	6.75	-73.11	140	1.5	0.3	124	12	LOS SANTOS (SANTANDER)
798	Nov 17 2016	08:24:19.8	6.74	-73.14	144	1.5	0.3	160	10	LOS SANTOS (SANTANDER)
799	Nov 17 2016	08:30:56.6	6.73	-73.12	143	1.2	0.2	168	9	JORDAN (SANTANDER)
800	Nov 17 2016	10:05: 1.6	6.14	-74.02	Sup	1.6	0.3	107	22	CIMITARRA (SANTANDER)
801	Nov 17 2016	10:42: 2.7	7.21	-76.31	Sup	1.6	0.3	248	10	MUTATA (ANTIOQUIA)
802	Nov 17 2016	10:43: 7.8	6.75	-73.12	142	2.3	0.4	123	28	LOS SANTOS (SANTANDER)
803	Nov 17 2016	11:30:55.8	6.37	-76.70	14	1.8	0.5	226	18	VIGIA DEL FUERTE (ANTIOQUIA)
804	Nov 17 2016	12:27:30.0	7.27	-78.15	10	2.7	0.4	140	31	JURADO (CHOCO)
805	Nov 17 2016	13:15:26.0	1.67	-76.80	Sup	1.7	0.5	162	12	SAN SEBASTIAN (CAUCA)
806	Nov 17 2016	13:17: 3.5	6.86	-73.13	145	2.0	0.3	148	17	LOS SANTOS (SANTANDER)
807	Nov 17 2016	13:26:11.7	4.13	-76.25	121	1.5	0.4	146	14	RIOFRIO (VALLE)
808	Nov 17 2016	13:26:25.0	6.36	-73.64	107	1.6	0.3	119	14	SANTA HELENA DEL OPOON (SANTANDER)
809	Nov 17 2016	13:52:53.0	5.84	-78.93	Sup	2.2	0.1	280	10	O.PACIFICO NORTE
810	Nov 17 2016	14:12:34.2	6.83	-73.12	148	2.6	0.5	67	38	LOS SANTOS (SANTANDER)
811	Nov 17 2016	14:23:55.7	1.68	-76.81	Sup	0.4	0.0	197	7	SAN SEBASTIAN (CAUCA)
812	Nov 17 2016	14:28:54.9	1.73	-76.88	Sup	0.6	0.2	163	7	BOLIVAR (CAUCA)
813	Nov 17 2016	15:27:17.5	6.76	-73.76	67	1.1	0.3	117	11	EL CARMEN (SANTANDER)
814	Nov 17 2016	15:30:23.4	6.77	-73.13	144	1.9	0.4	157	18	LOS SANTOS (SANTANDER)
815	Nov 17 2016	16:45:55.1	6.72	-77.72	6	2.8	0.5	148	42	O. PACIFICO NORTE
816	Nov 17 2016	17:38:58.7	6.76	-73.13	146	1.8	0.3	157	10	LOS SANTOS (SANTANDER)
817	Nov 17 2016	17:59:33.7	6.71	-73.11	141	1.7	0.3	174	10	JORDAN (SANTANDER)
818	Nov 17 2016	19:39:43.4	6.68	-73.12	140	2.0	0.6	163	11	VILLANUEVA (SANTANDER)
819	Nov 17 2016	19:58:25.8	6.72	-73.12	150	1.7	0.4	169	9	JORDAN (SANTANDER)
820	Nov 17 2016	20:06:36.1	5.66	-74.52	Sup	1.6	0.2	186	8	PUERTO TRIUNFO (ANTIOQUIA)
821	Nov 17 2016	21:37:34.0	9.33	-75.12	96	2.4	0.4	183	18	SINCE (SUCRE)
822	Nov 17 2016	22:37:50.2	6.71	-73.12	139	1.3	0.3	170	8	JORDAN (SANTANDER)
823	Nov 17 2016	23:12:58.4	6.72	-73.14	140	1.7	0.4	158	10	JORDAN (SANTANDER)
824	Nov 18 2016	00:42:51.3	2.42	-76.03	Sup	1.8	0.5	94	23	INZA (CAUCA)
825	Nov 18 2016	01:14:57.3	4.51	-76.75	21	2.0	0.5	159	26	SIPI (CHOCO)
826	Nov 18 2016	01:25:17.4	6.96	-76.13	36	1.3	0.3	132	12	URAMITA (ANTIOQUIA)
827	Nov 18 2016	01:32:32.6	6.74	-73.14	145	1.5	0.3	155	9	LOS SANTOS (SANTANDER)
828	Nov 18 2016	02:08:35.9	6.73	-73.13	127	1.2	0.1	161	9	LOS SANTOS (SANTANDER)
829	Nov 18 2016	03:23:20.0	6.77	-73.17	141	1.4	0.2	143	10	LOS SANTOS (SANTANDER)
830	Nov 18 2016	03:53:51.7	6.80	-73.14	147	1.6	0.4	102	18	LOS SANTOS (SANTANDER)
831	Nov 18 2016	04:18:14.0	6.82	-73.15	144	2.0	0.5	82	33	LOS SANTOS (SANTANDER)
832	Nov 18 2016	04:57: 7.8	7.40	-73.79	28	1.0	0.2	178	10	PUERTO WILCHES (SANTANDER)
833	Nov 18 2016	05:14:28.1	5.65	-73.85	115	1.2	0.2	173	11	CHIQUINQUIRA (BOYACA)
834	Nov 18 2016	05:17:42.7	7.23	-76.28	Sup	2.1	0.5	176	25	MUTATA (ANTIOQUIA)
835	Nov 18 2016	05:34:59.1	5.25	-73.72	144	2.5	0.5	65	50	CUCUNUBA (CUNDINAMARCA)
836	Nov 18 2016	06:06:20.5	6.77	-73.18	141	1.2	0.0	219	7	LOS SANTOS (SANTANDER)
837	Nov 18 2016	06:13:41.8	6.94	-72.01	Sup	1.6	0.4	217	11	CUBARA (BOYACA)
838	Nov 18 2016	06:34: 5.7	6.71	-73.07	147	1.2	0.3	188	10	JORDAN (SANTANDER)
839	Nov 18 2016	06:49:59.4	6.60	-71.84	Sup	2.5	0.6	165	28	TAME (ARAUCA)
840	Nov 18 2016	07:00:10.7	6.81	-73.14	146	1.5	0.3	149	14	LOS SANTOS (SANTANDER)
841	Nov 18 2016	07:15:25.9	6.76	-73.12	140	1.5	0.4	123	12	LOS SANTOS (SANTANDER)
842	Nov 18 2016	07:37:56.4	6.75	-73.15	145	1.2	0.3	246	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
843	Nov 18 2016	07:41:40.7	6.70	-73.15	144	1.2	0.3	246	8	VILLANUEVA (SANTANDER)
844	Nov 18 2016	08:56:15.0	6.66	-73.21	142	1.1	0.4	201	8	BARICHARA (SANTANDER)
845	Nov 18 2016	09:52:29.1	6.86	-73.14	148	1.8	0.6	65	28	LOS SANTOS (SANTANDER)
846	Nov 18 2016	10:43:25.1	3.59	-76.82	129	1.4	0.2	138	7	DAGUA (VALLE)
847	Nov 18 2016	11:32:52.6	6.82	-73.14	153	1.6	0.3	147	10	LOS SANTOS (SANTANDER)
848	Nov 18 2016	12:30:52.6	6.77	-73.12	139	1.4	0.1	161	9	LOS SANTOS (SANTANDER)
849	Nov 18 2016	12:34:51.3	6.76	-73.12	153	1.5	0.3	162	8	LOS SANTOS (SANTANDER)
850	Nov 18 2016	12:59:34.7	6.83	-73.14	153	2.3	0.6	149	32	LOS SANTOS (SANTANDER)
851	Nov 18 2016	13:05:54.4	6.82	-73.12	150	2.1	0.4	154	24	LOS SANTOS (SANTANDER)
852	Nov 18 2016	13:09:14.8	6.78	-73.16	146	1.7	0.3	146	18	LOS SANTOS (SANTANDER)
853	Nov 18 2016	13:11:29.2	1.97	-75.75	Sup	0.9	0.1	116	7	SUAZA (HUILA)
854	Nov 18 2016	13:27:38.4	10.56	-73.20	86	1.6	0.2	177	10	LA PAZ (CESAR)
855	Nov 18 2016	13:43:17.9	10.78	-74.02	Sup	1.4	0.3	193	10	PUEBLO BELLO (CESAR)
856	Nov 18 2016	13:52:12.1	6.78	-73.14	156	1.4	0.3	154	14	LOS SANTOS (SANTANDER)
857	Nov 18 2016	14:06:55.8	6.85	-73.11	151	2.8	0.5	154	42	LOS SANTOS (SANTANDER)
858	Nov 18 2016	14:15:13.5	6.84	-73.12	140	1.3	0.3	152	8	LOS SANTOS (SANTANDER)
859	Nov 18 2016	15:22:56.9	6.30	-74.26	66	1.5	0.1	144	10	PUERTO BERRIO (ANTIOQUIA)
860	Nov 18 2016	15:24:46.0	6.82	-73.15	151	3.0	0.6	74	54	LOS SANTOS (SANTANDER)
861	Nov 18 2016	16:30:43.7	6.80	-73.13	149	1.9	0.4	153	14	LOS SANTOS (SANTANDER)
862	Nov 18 2016	16:56:13.4	7.64	-75.22	19	2.0	0.5	168	12	CACERES (ANTIOQUIA)
863	Nov 18 2016	18:32:57.2	6.83	-73.14	151	3.0	0.5	75	39	LOS SANTOS (SANTANDER)
864	Nov 18 2016	19:44:33.7	6.75	-73.36	128	1.4	0.3	129	9	ZAPATOCA (SANTANDER)
865	Nov 18 2016	20:36: 6.8	6.76	-73.13	144	2.5	0.5	122	28	LOS SANTOS (SANTANDER)
866	Nov 18 2016	21:21:20.6	6.76	-73.14	147	1.8	0.4	153	10	LOS SANTOS (SANTANDER)
867	Nov 18 2016	21:29:55.3	7.15	-73.83	75	1.3	0.5	180	7	BARRANCABERMEJA (SANTANDER)
868	Nov 18 2016	22:18:34.6	6.77	-73.09	146	1.6	0.4	171	12	LOS SANTOS (SANTANDER)
869	Nov 18 2016	22:28: 6.4	5.43	-73.81	130	1.7	0.5	143	18	SUSA (CUNDINAMARCA)
870	Nov 18 2016	23:03:19.2	6.10	-73.77	101	1.4	0.4	193	10	EL PENON (SANTANDER)
871	Nov 18 2016	23:14:50.0	6.75	-73.14	140	1.6	0.4	155	14	LOS SANTOS (SANTANDER)
872	Nov 18 2016	23:19: 0.3	6.80	-73.16	140	1.6	0.5	143	15	LOS SANTOS (SANTANDER)
873	Nov 19 2016	00:43:21.4	6.77	-73.11	146	2.2	0.5	123	26	LOS SANTOS (SANTANDER)
874	Nov 19 2016	00:52:31.8	1.68	-79.18	6	1.9	0.4	248	16	O. PACIFICO SUR
875	Nov 19 2016	03:07:18.6	5.64	-73.93	108	2.1	0.3	131	24	BRICENO (BOYACA)
876	Nov 19 2016	03:19:45.6	6.75	-73.11	141	1.5	0.4	169	10	LOS SANTOS (SANTANDER)
877	Nov 19 2016	05:03: 7.1	6.63	-73.14	149	1.4	0.2	187	10	VILLANUEVA (SANTANDER)
878	Nov 19 2016	05:19:36.9	6.82	-73.10	143	1.4	0.3	160	12	LOS SANTOS (SANTANDER)
879	Nov 19 2016	05:47:37.8	5.27	-72.52	Sup	1.5	0.5	127	14	AGUAZUL (CASANARE)
880	Nov 19 2016	06:38:54.3	7.06	-73.46	105	1.2	0.2	143	10	SAN VICENTE DE CHUCURI (SANTANDER)
881	Nov 19 2016	07:11:32.6	6.81	-73.16	147	1.0	0.2	145	8	LOS SANTOS (SANTANDER)
882	Nov 19 2016	07:37:21.8	3.45	-74.68	Sup	1.5	0.5	169	16	COLOMBIA (HUILA)
883	Nov 19 2016	08:01:55.0	6.80	-73.16	146	1.4	0.2	102	11	LOS SANTOS (SANTANDER)
884	Nov 19 2016	08:03: 0.6	6.82	-73.12	140	1.7	0.4	104	18	LOS SANTOS (SANTANDER)
885	Nov 19 2016	08:10:51.9	6.75	-73.10	138	1.4	0.3	170	10	LOS SANTOS (SANTANDER)
886	Nov 19 2016	08:39:33.8	6.73	-73.16	149	1.3	0.3	93	13	VILLANUEVA (SANTANDER)
887	Nov 19 2016	08:47:30.4	10.19	-72.92	Sup	2.0	0.6	144	17	MANAURE BALCON CESAR (CESAR)
888	Nov 19 2016	11:30:55.6	8.20	-73.50	118	1.6	0.4	255	10	RIO DE ORO (CESAR)
889	Nov 19 2016	11:40:36.1	6.80	-73.14	151	2.4	0.5	73	30	LOS SANTOS (SANTANDER)
890	Nov 19 2016	12:47:21.0	7.48	-72.14	Sup	1.9	0.5	265	11	LA FRONTERA CON VENEZUELA
891	Nov 19 2016	15:13:45.2	6.73	-73.11	152	1.6	0.4	169	10	JORDAN (SANTANDER)
892	Nov 19 2016	15:25:22.7	7.89	-73.44	108	1.6	0.4	232	11	SAN MARTIN (CESAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
893	Nov 19 2016	15:50:40.6	6.74	-73.15	136	1.8	0.3	153	10	LOS SANTOS (SANTANDER)
894	Nov 19 2016	16:04:17.0	5.14	-75.01	19	1.5	0.6	145	11	FRESNO (TOLIMA)
895	Nov 19 2016	16:04:40.7	7.99	-73.41	121	1.6	0.2	241	8	SAN MARTIN (CESAR)
896	Nov 19 2016	16:20:14.9	8.90	-73.57	120	3.4	0.6	115	46	PAILITAS (CESAR)
897	Nov 19 2016	16:51:49.1	6.71	-73.17	143	1.5	0.1	144	9	VILLANUEVA (SANTANDER)
898	Nov 19 2016	17:11: 4.3	5.82	-75.98	66	1.6	0.4	133	14	CIUDAD BOLIVAR (ANTIOQUIA)
899	Nov 19 2016	17:23:47.1	6.76	-73.17	141	1.5	0.3	142	11	LOS SANTOS (SANTANDER)
900	Nov 19 2016	17:32:29.0	6.79	-73.14	146	2.1	0.4	150	25	LOS SANTOS (SANTANDER)
901	Nov 19 2016	19:05:36.6	4.80	-75.88	30	2.2	0.7	69	30	CARTAGO (VALLE)
902	Nov 19 2016	19:54:25.2	6.80	-73.17	141	1.9	0.3	142	20	LOS SANTOS (SANTANDER)
903	Nov 19 2016	19:57:44.9	4.76	-76.37	98	2.0	0.2	201	13	EL CAIRO (VALLE)
904	Nov 19 2016	20:11:33.3	5.74	-73.90	120	1.7	0.5	131	12	ALBANIA (SANTANDER)
905	Nov 19 2016	20:47:35.0	7.42	-72.36	Sup	2.7	0.4	198	30	LA FRONTERA CON VENEZUELA
906	Nov 19 2016	21:56:45.0	1.96	-75.89	Sup	1.5	0.1	136	8	TIMANA (HUILA)
907	Nov 19 2016	22:15: 5.5	6.72	-73.13	149	1.7	0.4	167	12	JORDAN (SANTANDER)
908	Nov 19 2016	22:25:51.2	6.76	-73.13	136	2.3	0.5	159	16	LOS SANTOS (SANTANDER)
909	Nov 19 2016	23:11:44.4	6.74	-73.13	150	1.7	0.4	162	10	LOS SANTOS (SANTANDER)
910	Nov 20 2016	00:56:21.6	7.46	-73.19	136	2.2	0.5	89	27	EL PLAYON (SANTANDER)
911	Nov 20 2016	02:16:34.7	7.01	-76.15	Sup	1.6	0.2	163	8	DABEIBA (ANTIOQUIA)
912	Nov 20 2016	03:21:39.2	6.83	-73.12	154	2.1	0.6	67	34	LOS SANTOS (SANTANDER)
913	Nov 20 2016	03:43: 9.0	6.75	-73.12	154	2.0	0.3	123	19	LOS SANTOS (SANTANDER)
914	Nov 20 2016	03:44: 9.0	5.14	-75.93	113	1.7	0.4	119	15	APIA (RISARALDA)
915	Nov 20 2016	04:21:35.4	2.40	-75.63	Sup	1.0	0.1	132	7	GIGANTE (HUILA)
916	Nov 20 2016	06:16:31.6	5.27	-73.72	142	1.9	0.4	98	23	LENGUAZAQUE (CUNDINAMARCA)
917	Nov 20 2016	06:19:43.4	6.85	-73.14	144	1.9	0.5	82	24	LOS SANTOS (SANTANDER)
918	Nov 20 2016	06:33: 7.7	6.80	-73.14	148	3.1	0.6	65	64	LOS SANTOS (SANTANDER)
919	Nov 20 2016	06:47: 7.6	6.76	-73.09	151	1.7	0.4	125	15	LOS SANTOS (SANTANDER)
920	Nov 20 2016	07:02:40.8	3.40	-74.71	Sup	1.6	0.5	168	17	COLOMBIA (HUILA)
921	Nov 20 2016	07:37:35.5	6.46	-73.05	135	1.0	0.0	251	7	MOGOTES (SANTANDER)
922	Nov 20 2016	07:41:45.0	6.78	-73.11	139	2.3	0.3	91	34	LOS SANTOS (SANTANDER)
923	Nov 20 2016	07:45:40.2	2.17	-76.17	Sup	0.8	0.3	194	8	LA ARGENTINA (HUILA)
924	Nov 20 2016	08:11:47.5	4.80	-76.15	100	1.0	0.3	127	8	EL CAIRO (VALLE)
925	Nov 20 2016	08:25:59.4	5.24	-73.73	144	1.4	0.3	122	11	CUCUNUBA (CUNDINAMARCA)
926	Nov 20 2016	08:59:57.7	6.75	-73.14	140	1.3	0.2	158	9	LOS SANTOS (SANTANDER)
927	Nov 20 2016	09:13:43.5	6.75	-73.10	143	1.6	0.3	101	11	LOS SANTOS (SANTANDER)
928	Nov 20 2016	09:57:46.9	3.23	-76.40	15	2.4	0.6	55	36	PUERTO TEJADA (CAUCA)
929	Nov 20 2016	10:02:44.1	3.25	-76.43	21	1.4	0.4	154	14	PUERTO TEJADA (CAUCA)
930	Nov 20 2016	10:19:16.8	6.73	-73.16	146	1.5	0.5	148	8	VILLANUEVA (SANTANDER)
931	Nov 20 2016	11:01:56.6	6.81	-73.16	151	2.1	0.5	75	29	LOS SANTOS (SANTANDER)
932	Nov 20 2016	12:15:52.7	6.82	-73.26	123	1.5	0.4	134	8	ZAPATOCA (SANTANDER)
933	Nov 20 2016	13:25: 7.2	6.80	-73.14	150	1.8	0.3	150	10	LOS SANTOS (SANTANDER)
934	Nov 20 2016	14:50: 7.4	6.73	-73.14	142	1.6	0.4	158	12	LOS SANTOS (SANTANDER)
935	Nov 20 2016	15:43:42.1	6.03	-72.81	Sup	1.4	0.4	282	8	TUTAZA (BOYACA)
936	Nov 20 2016	16:33:46.6	6.66	-73.46	112	1.3	0.7	157	10	EL CARMEN (SANTANDER)
937	Nov 20 2016	18:28: 4.8	5.91	-72.61	Sup	1.3	0.4	292	8	SOCHA (BOYACA)
938	Nov 20 2016	19:23:59.8	6.70	-73.17	150	1.6	0.2	149	8	VILLANUEVA (SANTANDER)
939	Nov 20 2016	20:52: 4.6	6.72	-73.11	148	1.7	0.4	172	14	JORDAN (SANTANDER)
940	Nov 20 2016	20:55: 8.1	1.96	-76.16	Sup	2.2	0.4	111	22	ISNOS (HUILA)
941	Nov 20 2016	22:18:30.4	6.78	-73.14	141	1.7	0.4	151	16	LOS SANTOS (SANTANDER)
942	Nov 20 2016	22:27:17.6	5.27	-75.11	119	1.4	0.4	212	7	MANZANARES (CALDAS)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
943	Nov 20 2016	23:02:44.8	2.07	-75.74	Sup	2.6	0.4	103	32	ALTAMIRA (HUILA)
944	Nov 20 2016	23:49:20.6	6.70	-73.14	136	1.2	0.1	166	6	VILLANUEVA (SANTANDER)
945	Nov 21 2016	00:19:23.1	7.21	-76.47	12	2.4	0.6	118	38	MUTATA (ANTIOQUIA)
946	Nov 21 2016	00:49:14.7	6.75	-73.13	145	1.7	0.3	160	15	LOS SANTOS (SANTANDER)
947	Nov 21 2016	01:13:26.9	3.45	-74.62	20	1.1	0.2	112	8	COLOMBIA (HUILA)
948	Nov 21 2016	01:20: 5.0	3.81	-71.40	Sup	2.5	0.5	257	33	PUERTO GAITAN (META)
949	Nov 21 2016	01:22: 7.1	3.16	-77.47	26	1.7	0.3	113	13	LOPEZ (CAUCA)
950	Nov 21 2016	01:23:23.5	6.71	-73.10	141	1.2	0.1	230	7	JORDAN (SANTANDER)
951	Nov 21 2016	01:49:12.1	5.82	-74.18	96	1.1	0.1	197	7	OTANCHE (BOYACA)
952	Nov 21 2016	01:57:57.0	2.70	-74.98	Sup	0.9	0.3	205	7	RIVERA (HUILA)
953	Nov 21 2016	02:25:14.6	1.13	-77.01	Sup	1.1	0.2	274	10	SANTIAGO (PUTUMAYO)
954	Nov 21 2016	02:47:39.4	7.60	-73.37	113	0.9	0.2	206	9	LA ESPERANZA (N.SANTANDER)
955	Nov 21 2016	03:02:57.6	6.17	-73.77	112	1.4	0.4	124	14	LANDAZURI (SANTANDER)
956	Nov 21 2016	03:07:52.1	3.23	-76.45	15	2.3	0.4	98	32	PUERTO TEJADA (CAUCA)
957	Nov 21 2016	03:28:23.9	10.55	-73.74	8	1.6	0.3	171	16	PUEBLO BELLO (CESAR)
958	Nov 21 2016	04:09:39.8	6.76	-73.14	140	1.5	0.2	154	14	LOS SANTOS (SANTANDER)
959	Nov 21 2016	04:15:11.6	6.80	-73.12	146	2.0	0.5	121	28	LOS SANTOS (SANTANDER)
960	Nov 21 2016	04:37:22.1	2.13	-78.37	78	2.3	0.5	145	31	OLAYA HERRERA (NARINO)
961	Nov 21 2016	04:46:17.5	6.62	-73.18	141	1.2	0.3	221	7	BARICHARA (SANTANDER)
962	Nov 21 2016	04:48:52.1	6.80	-73.14	148	1.6	0.4	151	20	LOS SANTOS (SANTANDER)
963	Nov 21 2016	05:02:22.7	6.74	-73.18	146	1.2	0.1	141	7	VILLANUEVA (SANTANDER)
964	Nov 21 2016	05:40:22.9	6.71	-73.13	146	1.4	0.4	123	12	JORDAN (SANTANDER)
965	Nov 21 2016	05:52: 1.1	6.69	-73.34	124	1.1	0.3	162	8	GALAN (SANTANDER)
966	Nov 21 2016	06:32:13.0	6.63	-73.20	148	1.0	0.3	200	7	BARICHARA (SANTANDER)
967	Nov 21 2016	07:20:14.5	6.76	-73.14	147	1.8	0.7	121	25	LOS SANTOS (SANTANDER)
968	Nov 21 2016	07:40: 3.2	6.82	-73.09	150	1.4	0.6	159	16	LOS SANTOS (SANTANDER)
969	Nov 21 2016	07:46: 3.6	6.78	-73.18	140	1.4	0.3	253	9	ZAPATOCA (SANTANDER)
970	Nov 21 2016	08:25:55.9	6.73	-73.19	152	1.2	0.3	230	10	VILLANUEVA (SANTANDER)
971	Nov 21 2016	08:29:11.2	6.64	-73.16	145	1.3	0.2	255	8	VILLANUEVA (SANTANDER)
972	Nov 21 2016	08:55:25.4	6.84	-76.29	Sup	1.0	0.4	223	8	URAMITA (ANTIOQUIA)
973	Nov 21 2016	10:16:43.7	6.52	-73.54	114	2.2	0.6	56	31	EL CARMEN (SANTANDER)
974	Nov 21 2016	10:20:37.7	6.73	-73.14	149	1.4	0.4	251	9	LOS SANTOS (SANTANDER)
975	Nov 21 2016	10:30:45.1	2.67	-75.08	14	1.3	0.3	196	10	RIVERA (HUILA)
976	Nov 21 2016	11:27: 9.6	6.81	-73.15	147	1.6	0.2	147	10	LOS SANTOS (SANTANDER)
977	Nov 21 2016	11:41:57.1	6.85	-73.29	121	2.0	0.1	110	11	BETULIA (SANTANDER)
978	Nov 21 2016	12:11:51.7	6.85	-73.22	141	1.8	0.3	152	10	ZAPATOCA (SANTANDER)
979	Nov 21 2016	13:38:31.9	4.15	-76.37	100	1.4	0.3	195	8	TRUJILLO (VALLE)
980	Nov 21 2016	15:06:10.7	4.47	-75.01	17	1.5	0.1	163	7	ALVARADO (TOLIMA)
981	Nov 21 2016	15:24:18.0	6.84	-73.16	147	1.9	0.4	166	11	LOS SANTOS (SANTANDER)
982	Nov 21 2016	16:06:46.7	6.69	-73.20	150	1.6	0.2	199	8	VILLANUEVA (SANTANDER)
983	Nov 21 2016	17:07:33.3	6.86	-73.17	151	3.0	0.6	62	37	ZAPATOCA (SANTANDER)
984	Nov 21 2016	18:13:17.3	5.23	-73.76	145	1.5	0.1	250	6	CUCUNUBA (CUNDINAMARCA)
985	Nov 21 2016	19:30:45.7	6.82	-73.17	141	1.6	0.4	145	8	ZAPATOCA (SANTANDER)
986	Nov 21 2016	19:32:49.6	6.77	-73.12	149	1.8	0.4	162	9	LOS SANTOS (SANTANDER)
987	Nov 21 2016	20:06:14.4	4.86	-74.78	Sup	2.2	0.5	83	29	BELTRAN (CUNDINAMARCA)
988	Nov 21 2016	20:28:13.3	6.77	-73.12	145	2.1	0.4	159	20	LOS SANTOS (SANTANDER)
989	Nov 21 2016	20:45:36.4	6.34	-73.57	117	1.9	0.3	149	16	SANTA HELENA DEL OPO (SANTANDER)
990	Nov 21 2016	21:43:39.5	6.83	-73.15	142	1.4	0.3	143	9	LOS SANTOS (SANTANDER)
991	Nov 21 2016	22:18:10.7	6.98	-74.01	19	1.8	0.4	126	12	YONDO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
992	Nov 22 2016	00:11:19.5	6.61	-73.09	135	1.5	0.1	239	7	CURITI (SANTANDER)
993	Nov 22 2016	00:45:20.7	5.12	-76.58	55	1.7	0.5	183	20	CONDOTO (CHOCO)
994	Nov 22 2016	01:00:24.9	6.74	-73.15	148	1.2	0.3	153	9	LOS SANTOS (SANTANDER)
995	Nov 22 2016	01:19:22.3	5.28	-78.14	40	1.9	0.2	206	24	O. PACIFICO CENTRO
996	Nov 22 2016	02:08:26.6	1.96	-75.08	Sup	1.7	0.3	154	18	PUERTO RICO (CAQUETA)
997	Nov 22 2016	03:06:46.6	10.89	-73.22	66	1.1	0.3	173	8	LA PAZ (CESAR)
998	Nov 22 2016	03:28:17.7	6.82	-73.12	151	1.7	0.4	154	22	LOS SANTOS (SANTANDER)
999	Nov 22 2016	03:35: 3.6	6.82	-73.17	145	1.9	0.3	140	21	ZAPATOCA (SANTANDER)
1000	Nov 22 2016	03:52:10.8	6.73	-73.16	147	1.5	0.2	150	9	VILLANUEVA (SANTANDER)
1001	Nov 22 2016	04:41:38.4	4.06	-76.53	66	3.5*	0.5	71	62	CALIMA (VALLE)
1002	Nov 22 2016	05:22:21.6	4.11	-76.58	54	2.0	0.5	116	32	CALIMA (VALLE)
1003	Nov 22 2016	05:34:10.1	2.93	-74.72	Sup	1.3	0.4	144	16	BARAYA (HUILA)
1004	Nov 22 2016	05:42:11.7	6.61	-73.28	119	0.9	0.1	227	8	GALAN (SANTANDER)
1005	Nov 22 2016	05:43:44.6	4.10	-76.61	54	1.7	0.4	116	21	CALIMA (VALLE)
1006	Nov 22 2016	05:49: 1.2	6.77	-73.16	151	0.9	0.4	146	10	LOS SANTOS (SANTANDER)
1007	Nov 22 2016	06:45:58.5	6.64	-73.11	146	0.9	0.3	198	8	VILLANUEVA (SANTANDER)
1008	Nov 22 2016	06:59:21.0	4.29	-76.81	Sup	1.2	0.4	159	8	SIPI (CHOCO)
1009	Nov 22 2016	07:35:10.1	6.86	-76.74	7	1.7	0.5	241	16	MURINDO (ANTIOQUIA)
1010	Nov 22 2016	07:38:44.5	6.77	-73.14	150	1.5	0.5	121	18	LOS SANTOS (SANTANDER)
1011	Nov 22 2016	08:00:18.7	6.87	-73.19	146	0.8	0.3	131	7	BETULIA (SANTANDER)
1012	Nov 22 2016	08:04:48.9	7.13	-76.23	Sup	1.0	0.5	239	10	DABEIBA (ANTIOQUIA)
1013	Nov 22 2016	08:38:14.1	6.80	-73.30	123	1.2	0.2	107	10	ZAPATOCA (SANTANDER)
1014	Nov 22 2016	08:46:25.3	10.81	-73.49	68	1.3	0.1	251	8	PUEBLO BELLO (CESAR)
1015	Nov 22 2016	09:17:28.0	6.70	-73.13	138	1.0	0.2	171	9	JORDAN (SANTANDER)
1016	Nov 22 2016	11:16:37.3	7.48	-73.17	132	2.2	0.5	191	19	EL PLAYON (SANTANDER)
1017	Nov 22 2016	11:22:18.7	6.81	-73.15	140	1.6	0.4	145	15	LOS SANTOS (SANTANDER)
1018	Nov 22 2016	11:23:53.4	6.79	-73.15	146	2.1	0.5	149	18	LOS SANTOS (SANTANDER)
1019	Nov 22 2016	12:00:29.6	9.23	-73.44	112	1.8	0.6	128	18	CURUMANI (CESAR)
1020	Nov 22 2016	12:01:51.7	6.79	-73.15	148	1.6	0.4	149	10	LOS SANTOS (SANTANDER)
1021	Nov 22 2016	14:18:10.6	5.28	-73.73	145	1.3	0.1	210	7	LENGUAZQUE (CUNDINAMARCA)
1022	Nov 22 2016	14:37:30.8	6.03	-73.51	Sup	1.4	0.7	157	11	SAN JOSE DE PARE (BOYACA)
1023	Nov 22 2016	14:59: 2.5	6.80	-73.15	149	1.9	0.3	147	16	LOS SANTOS (SANTANDER)
1024	Nov 22 2016	15:09:27.7	6.72	-73.20	18	1.8	0.3	130	10	VILLANUEVA (SANTANDER)
1025	Nov 22 2016	15:24: 3.1	7.44	-73.17	134	1.1	0.1	191	6	EL PLAYON (SANTANDER)
1026	Nov 22 2016	15:29:13.8	6.79	-73.11	142	1.6	0.2	160	12	LOS SANTOS (SANTANDER)
1027	Nov 22 2016	16:48:17.4	7.37	-74.53	19	1.4	0.6	162	9	SEGOVIA (ANTIOQUIA)
1028	Nov 22 2016	17:53:18.1	6.84	-73.14	156	3.2	0.6	65	42	LOS SANTOS (SANTANDER)
1029	Nov 22 2016	17:54:15.1	1.69	-78.09	53	2.0	0.2	160	10	BARBACOAS (NARINO)
1030	Nov 22 2016	18:34:29.9	4.59	-76.07	101	1.4	0.2	121	7	TORO (VALLE)
1031	Nov 22 2016	19:51:38.2	5.73	-73.93	103	1.6	0.5	161	12	TUNUNGUA (BOYACA)
1032	Nov 22 2016	20:24: 5.4	6.83	-73.16	150	1.9	0.4	143	18	LOS SANTOS (SANTANDER)
1033	Nov 22 2016	20:30:19.9	6.77	-73.11	146	2.0	0.5	97	21	LOS SANTOS (SANTANDER)
1034	Nov 22 2016	20:40:27.1	6.86	-73.17	149	1.6	0.2	149	8	ZAPATOCA (SANTANDER)
1035	Nov 22 2016	21:26:23.8	6.74	-73.09	136	2.1	0.4	163	18	LOS SANTOS (SANTANDER)
1036	Nov 22 2016	22:37:17.8	5.84	-74.80	6	1.6	0.3	166	11	PUERTO TRIUNFO (ANTIOQUIA)
1037	Nov 22 2016	23:36:19.2	2.45	-75.57	Sup	1.2	0.2	134	12	GIGANTE (HUILA)
1038	Nov 22 2016	23:58:53.0	5.89	-74.36	7	1.6	0.6	125	19	PUERTO BOYACA (BOYACA)
1039	Nov 23 2016	01:17:58.8	5.49	-74.58	Sup	1.3	0.6	183	15	PUERTO SALGAR (CUNDINAMARCA)
1040	Nov 23 2016	01:54:58.3	6.81	-73.15	150	3.2	0.6	68	63	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1041	Nov 23 2016	02:06:32.9	5.86	-74.06	107	1.3	0.5	234	10	LA BELLEZA (SANTANDER)
1042	Nov 23 2016	02:45:28.5	6.72	-73.16	147	1.2	0.3	152	10	VILLANUEVA (SANTANDER)
1043	Nov 23 2016	02:45:34.5	5.94	-75.86	84	1.7	2.5	187	12	TARSO (ANTIOQUIA)
1044	Nov 23 2016	02:45:40.6	5.65	-75.90	50	1.7	0.3	126	10	ANDES (ANTIOQUIA)
1045	Nov 23 2016	03:01:34.5	6.84	-73.25	144	1.5	0.7	117	16	ZAPATOCA (SANTANDER)
<u>1046</u>	<u>Nov 23 2016</u>	<u>04:16:44.4</u>	<u>0.93</u>	<u>-77.84</u>	<u>7</u>	<u>2.5</u>	<u>0.7</u>	<u>129</u>	<u>25</u>	<u>IPIALES (NARIÑO)</u>
1047	Nov 23 2016	04:42:18.8	7.20	-75.84	22	2.4	0.5	74	27	ITUANGO (ANTIOQUIA)
1048	Nov 23 2016	04:46:13.4	7.15	-75.83	16	1.2	0.2	136	9	ITUANGO (ANTIOQUIA)
1049	Nov 23 2016	05:00:36.2	6.72	-73.13	142	1.4	0.4	165	10	JORDAN (SANTANDER)
1050	Nov 23 2016	05:06:43.3	6.75	-73.17	146	1.0	0.2	145	7	LOS SANTOS (SANTANDER)
1051	Nov 23 2016	05:07:43.2	6.81	-73.14	150	2.0	0.6	119	24	LOS SANTOS (SANTANDER)
1052	Nov 23 2016	05:44:33.4	6.75	-73.13	140	1.5	0.3	159	9	LOS SANTOS (SANTANDER)
1053	Nov 23 2016	05:45:31.5	5.41	-73.78	135	1.4	0.4	149	10	FUQUENE (CUNDINAMARCA)
1054	Nov 23 2016	05:56:22.7	4.97	-74.61	14	1.1	0.3	106	11	CHAGUANI (CUNDINAMARCA)
1055	Nov 23 2016	05:58:54.9	6.68	-73.14	146	1.0	0.2	167	7	VILLANUEVA (SANTANDER)
1056	Nov 23 2016	06:01:40.3	6.81	-73.15	153	1.6	0.6	222	12	LOS SANTOS (SANTANDER)
1057	Nov 23 2016	06:13:24.4	7.15	-75.46	10	1.1	0.2	151	8	VALDIVIA (ANTIOQUIA)
1058	Nov 23 2016	06:40: 9.7	6.85	-73.15	148	2.7	0.8	64	44	LOS SANTOS (SANTANDER)
1059	Nov 23 2016	07:16: 8.6	6.78	-73.14	152	1.8	0.6	120	22	LOS SANTOS (SANTANDER)
1060	Nov 23 2016	07:23:52.9	6.07	-73.65	125	2.1	0.6	62	32	CHIPATA (SANTANDER)
1061	Nov 23 2016	07:48:54.5	6.82	-73.17	154	2.0	0.5	116	20	LOS SANTOS (SANTANDER)
1062	Nov 23 2016	08:25: 0.5	6.78	-73.16	149	1.6	0.3	146	11	LOS SANTOS (SANTANDER)
1063	Nov 23 2016	09:16: 2.1	6.72	-73.17	145	1.4	0.3	240	8	VILLANUEVA (SANTANDER)
1064	Nov 23 2016	10:23:25.5	6.86	-76.65	9	2.2	0.4	84	30	MURINDO (ANTIOQUIA)
1065	Nov 23 2016	10:26: 5.9	6.18	-72.26	Sup	2.0	0.3	114	20	SACAMA (CASANARE)
1066	Nov 23 2016	10:53:42.9	6.71	-73.17	143	1.2	0.1	239	7	VILLANUEVA (SANTANDER)
1067	Nov 23 2016	11:13:16.7	6.75	-73.27	127	1.2	0.3	204	7	ZAPATOCA (SANTANDER)
1068	Nov 23 2016	11:40: 4.2	6.77	-73.11	146	1.5	0.4	257	13	LOS SANTOS (SANTANDER)
1069	Nov 23 2016	13:03:35.7	6.70	-73.11	139	1.6	0.2	177	10	JORDAN (SANTANDER)
1070	Nov 23 2016	14:12:41.6	6.69	-73.40	122	1.3	0.2	150	7	EL CARMEN (SANTANDER)
1071	Nov 23 2016	14:45:13.3	7.04	-73.14	122	1.0	0.4	139	7	GIRON (SANTANDER)
1072	Nov 23 2016	15:09: 0.5	6.79	-73.14	147	2.6	0.4	120	30	LOS SANTOS (SANTANDER)
1073	Nov 23 2016	15:29: 9.9	5.68	-73.40	Sup	1.4	0.3	242	9	ARCABUCO (BOYACA)
1074	Nov 23 2016	15:31:34.5	6.63	-73.12	133	1.2	0.3	199	7	VILLANUEVA (SANTANDER)
1075	Nov 23 2016	17:29:44.6	3.65	-74.39	Sup	1.5	0.3	226	13	CABRERA (CUNDINAMARCA)
1076	Nov 23 2016	18:34:30.2	6.86	-73.14	154	2.1	0.4	146	21	LOS SANTOS (SANTANDER)
1077	Nov 23 2016	18:53:42.5	3.42	-74.64	Sup	2.4	0.4	110	27	COLOMBIA (HUILA)
1078	Nov 23 2016	19:29:58.8	6.76	-73.10	148	1.6	0.2	169	14	LOS SANTOS (SANTANDER)
1079	Nov 23 2016	20:03:36.3	6.79	-73.11	139	2.2	0.4	99	25	LOS SANTOS (SANTANDER)
1080	Nov 23 2016	20:48:59.4	4.86	-76.20	109	2.2	0.4	72	27	EL CAIRO (VALLE)
1081	Nov 23 2016	21:03: 6.9	5.13	-75.84	110	1.2	0.4	135	8	SAN JOSE (CALDAS)
1082	Nov 23 2016	22:27: 4.6	6.81	-73.07	158	2.0	0.4	124	17	LOS SANTOS (SANTANDER)
1083	Nov 23 2016	23:06:47.8	6.77	-73.14	147	2.2	0.5	98	26	LOS SANTOS (SANTANDER)
1084	Nov 23 2016	23:09: 3.0	10.12	-73.63	81	1.8	0.3	138	11	BOSCONIA (CESAR)
1085	Nov 23 2016	23:29:47.6	4.85	-74.58	69	1.4	0.2	127	9	VIANI (CUNDINAMARCA)
1086	Nov 23 2016	23:58:52.5	6.81	-73.12	146	1.5	0.3	155	13	LOS SANTOS (SANTANDER)
1087	Nov 24 2016	00:00: 9.4	3.03	-75.07	10	1.4	0.7	186	17	TELLO (HUILA)
1088	Nov 24 2016	00:06: 8.5	6.65	-73.55	112	1.2	0.4	163	8	EL CARMEN (SANTANDER)
1089	Nov 24 2016	00:10:12.3	10.84	-74.01	Sup	1.5	0.5	196	10	PUEBLO BELLO (CESAR)
1090	Nov 24 2016	00:39:28.3	7.23	-76.43	6	1.8	0.5	257	10	MUTATA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1091	Nov 24 2016	00:50:13.7	6.69	-73.15	142	1.4	0.5	159	10	VILLANUEVA (SANTANDER)
1092	Nov 24 2016	01:20:34.7	7.20	-76.33	17	1.2	0.5	249	8	MUTATA (ANTIOQUIA)
1093	Nov 24 2016	02:10:33.7	7.13	-73.40	17	1.8	0.5	147	11	LEBRIJA (SANTANDER)
1094	Nov 24 2016	02:11:34.8	6.74	-73.13	148	1.9	0.6	161	14	LOS SANTOS (SANTANDER)
1095	Nov 24 2016	02:11:34.8	6.74	-73.13	148	1.9	0.6	161	14	LOS SANTOS (SANTANDER)
1096	Nov 24 2016	02:43:12.3	6.85	-73.15	148	1.8	0.6	143	19	LOS SANTOS (SANTANDER)
1097	Nov 24 2016	02:46:48.8	6.80	-73.17	145	1.9	0.5	141	21	LOS SANTOS (SANTANDER)
1098	Nov 24 2016	03:00:26.8	5.58	-75.63	89	1.2	0.5	105	10	VALPARAISO (ANTIOQUIA)
1099	Nov 24 2016	03:05:37.1	4.74	-76.21	106	1.3	0.3	148	10	EL CAIRO (VALLE)
1100	Nov 24 2016	03:27:43.8	6.02	-73.43	145	2.4	0.6	69	35	CHITARAQUE (BOYACA)
1101	Nov 24 2016	03:55:23.0	6.67	-73.35	125	1.5	0.5	148	10	GALAN (SANTANDER)
1102	Nov 24 2016	03:59:42.6	6.72	-73.13	149	1.3	0.2	165	8	JORDAN (SANTANDER)
1103	Nov 24 2016	04:32:17.0	6.77	-73.14	148	1.2	0.3	153	8	LOS SANTOS (SANTANDER)
1104	Nov 24 2016	05:21:18.8	6.74	-73.10	146	1.0	0.2	170	7	LOS SANTOS (SANTANDER)
1105	Nov 24 2016	05:59:21.2	6.67	-73.14	151	1.3	0.4	175	10	VILLANUEVA (SANTANDER)
1106	Nov 24 2016	06:03:12.4	6.73	-73.14	142	1.7	0.5	122	17	JORDAN (SANTANDER)
1107	Nov 24 2016	06:32:56.7	2.00	-75.10	11	1.1	0.3	225	10	PUERTO RICO (CAQUETA)
1108	Nov 24 2016	06:55:32.1	4.87	-74.86	20	1.1	0.4	87	11	LERIDA (TOLIMA)
1109	Nov 24 2016	07:00:21.7	6.68	-73.12	148	1.0	0.3	176	7	VILLANUEVA (SANTANDER)
1110	Nov 24 2016	07:14:42.2	6.72	-73.11	139	1.1	0.3	176	8	JORDAN (SANTANDER)
1111	Nov 24 2016	07:41:25.8	7.89	-76.09	18	1.6	0.2	286	8	TIERRALTA (CORDOBA)
1112	Nov 24 2016	08:21: 1.0	6.77	-73.16	152	1.2	0.4	148	8	LOS SANTOS (SANTANDER)
1113	Nov 24 2016	08:37:30.6	7.46	-73.19	135	4.0	0.7	88	72	EL PLAYON (SANTANDER)
1114	Nov 24 2016	08:45: 7.6	6.79	-73.16	147	2.3	0.5	164	18	LOS SANTOS (SANTANDER)
1115	Nov 24 2016	08:45: 7.3	10.21	-73.20	102	1.9	0.1	148	8	SAN DIEGO (CESAR)
1116	Nov 24 2016	09:52:57.3	6.78	-73.14	150	1.6	0.4	152	12	LOS SANTOS (SANTANDER)
1117	Nov 24 2016	10:06:55.1	9.10	-75.08	9	1.5	0.1	155	9	GALERAS (SUCRE)
1118	Nov 24 2016	10:11:16.5	6.84	-73.24	141	1.4	0.3	119	12	ZAPATOCA (SANTANDER)
1119	Nov 24 2016	11:58:25.8	7.24	-76.36	Sup	2.0	0.3	152	19	MUTATA (ANTIOQUIA)
1120	Nov 24 2016	12:18:48.4	6.82	-73.15	129	1.2	0.2	255	8	LOS SANTOS (SANTANDER)
1121	Nov 24 2016	12:37:19.2	6.71	-73.15	141	1.4	0.3	154	9	VILLANUEVA (SANTANDER)
1122	Nov 24 2016	12:56:23.2	6.83	-73.14	148	3.2	0.5	82	50	LOS SANTOS (SANTANDER)
1123	Nov 24 2016	13:40:14.7	6.76	-73.15	148	1.9	0.4	151	16	LOS SANTOS (SANTANDER)
1124	Nov 24 2016	13:56:59.9	6.24	-73.93	95	1.3	0.4	168	10	CIMITARRA (SANTANDER)
1125	Nov 24 2016	14:38:12.3	7.75	-72.35	127	1.4	0.4	331	8	LA FRONTERA CON VENEZUELA
1126	Nov 24 2016	15:07: 6.1	6.73	-73.13	143	1.5	0.4	164	12	LOS SANTOS (SANTANDER)
1127	Nov 24 2016	15:17:18.4	6.81	-73.18	142	1.8	0.3	135	13	ZAPATOCA (SANTANDER)
1128	Nov 24 2016	16:10: 7.3	5.22	-73.71	143	1.8	0.3	97	20	CUCUNUBA (CUNDINAMARCA)
1129	Nov 24 2016	16:34: 4.1	6.80	-73.14	148	1.7	0.2	150	14	LOS SANTOS (SANTANDER)
1130	Nov 24 2016	16:43:10.1	6.91	-73.18	150	2.0	0.5	131	17	BETULIA (SANTANDER)
1131	Nov 24 2016	16:53:26.0	10.12	-74.04	8	0.9	0.3	165	8	ALGARROBO (MAGDALENA)
1132	Nov 24 2016	16:57:54.1	7.31	-73.44	104	1.8	0.2	171	14	SABANA DE TORRES (SANTANDER)
1133	Nov 24 2016	17:21:22.9	6.79	-73.18	128	1.6	0.3	137	12	ZAPATOCA (SANTANDER)
1134	Nov 24 2016	17:33:24.3	6.83	-73.14	150	1.9	0.4	148	16	LOS SANTOS (SANTANDER)
1135	Nov 24 2016	17:57:53.6	5.68	-73.99	130	1.2	0.1	155	9	PAUNA (BOYACA)
1136	Nov 24 2016	18:24:59.5	6.77	-73.14	141	1.8	0.3	153	16	LOS SANTOS (SANTANDER)
1137	Nov 24 2016	19:47: 7.3	9.70	-72.92	Sup	1.9	0.5	150	11	LA FRONTERA CON VENEZUELA
1138	Nov 24 2016	20:29:27.4	5.85	-74.00	113	1.7	0.2	155	15	LA BELLEZA (SANTANDER)
1139	Nov 24 2016	21:02: 6.3	6.78	-73.14	139	1.6	0.1	155	9	LOS SANTOS (SANTANDER)
1140	Nov 24 2016	21:08:49.0	5.92	-74.79	Sup	0.9	0.4	162	10	PUERTO TRIUNFO (ANTIOQUIA)
1141	Nov 24 2016	21:45:12.6	6.74	-73.10	145	2.0	0.3	174	11	JORDAN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1142	Nov 24 2016	22:03:37.2	6.85	-73.29	121	3.2	0.4	55	59	BETULIA (SANTANDER)
1143	Nov 25 2016	00:02:22.2	9.77	-74.31	28	1.7	0.3	120	14	NUEVA GRANADA (MAGDALENA)
1144	Nov 25 2016	00:05:32.2	10.58	-73.52	12	1.4	0.3	166	10	PUEBLO BELLO (CESAR)
1145	Nov 25 2016	00:23:44.7	1.94	-75.95	16	1.4	0.3	211	10	TIMANA (HUILA)
1146	Nov 25 2016	00:51:29.9	7.10	-76.16	Sup	1.2	0.3	199	8	DABEIBA (ANTIOQUIA)
1147	Nov 25 2016	00:52:19.3	6.81	-73.13	147	1.6	0.2	152	17	LOS SANTOS (SANTANDER)
1148	Nov 25 2016	01:07:41.9	6.77	-73.09	150	1.8	0.4	125	25	LOS SANTOS (SANTANDER)
1149	Nov 25 2016	01:12:18.5	6.78	-73.10	150	1.8	0.4	98	26	LOS SANTOS (SANTANDER)
1150	Nov 25 2016	01:36:19.4	6.79	-73.17	147	1.3	0.2	140	13	LOS SANTOS (SANTANDER)
1151	Nov 25 2016	02:16:36.8	6.82	-73.14	146	1.7	0.2	150	20	LOS SANTOS (SANTANDER)
1152	Nov 25 2016	02:41: 9.7	6.77	-73.11	141	1.7	0.3	164	18	LOS SANTOS (SANTANDER)
1153	Nov 25 2016	02:55:43.6	6.42	-73.07	83	0.9	0.2	252	8	VALLE DE SAN JOSE (SANTANDER)
1154	Nov 25 2016	02:59:41.6	9.77	-74.33	25	1.3	0.2	129	10	NUEVA GRANADA (MAGDALENA)
1155	Nov 25 2016	03:33:23.5	6.77	-73.15	145	1.5	0.3	150	14	LOS SANTOS (SANTANDER)
1156	Nov 25 2016	03:37:48.7	7.23	-76.28	Sup	1.1	0.3	247	10	MUTATA (ANTIOQUIA)
1157	Nov 25 2016	03:56: 8.2	3.39	-79.05	18	1.1	0.1	332	8	O. PACIFICO SUR
1158	Nov 25 2016	03:59: 1.7	6.87	-73.12	149	2.7	0.5	72	46	LOS SANTOS (SANTANDER)
1159	Nov 25 2016	04:08:48.7	6.71	-73.44	115	1.4	0.3	148	8	EL CARMEN (SANTANDER)
1160	Nov 25 2016	04:22:36.0	6.72	-73.18	149	1.0	0.2	234	7	VILLANUEVA (SANTANDER)
1161	Nov 25 2016	04:45: 3.1	6.86	-73.13	147	1.8	0.4	148	23	LOS SANTOS (SANTANDER)
1162	Nov 25 2016	05:49:56.6	6.56	-73.23	142	1.0	0.3	209	9	CABRERA (SANTANDER)
1163	Nov 25 2016	05:58:19.8	6.11	-73.70	113	1.2	0.1	252	8	CHIPATA (SANTANDER)
1164	Nov 25 2016	06:16: 8.0	2.95	-75.96	7	1.3	0.1	221	7	TORIBIO (CAUCA)
1165	Nov 25 2016	06:32:41.4	6.76	-73.10	141	1.6	0.3	161	19	LOS SANTOS (SANTANDER)
1166	Nov 25 2016	06:35:11.6	6.78	-73.09	145	1.1	0.3	169	10	LOS SANTOS (SANTANDER)
1167	Nov 25 2016	06:50:13.1	6.80	-73.14	144	2.1	0.4	119	34	LOS SANTOS (SANTANDER)
1168	Nov 25 2016	07:38: 4.1	6.81	-73.13	142	1.0	0.3	152	10	LOS SANTOS (SANTANDER)
1169	Nov 25 2016	07:43:19.4	6.76	-73.11	147	1.6	0.3	123	16	LOS SANTOS (SANTANDER)
1170	Nov 25 2016	07:55:43.1	7.19	-75.45	22	0.9	0.2	192	7	VALDIVIA (ANTIOQUIA)
1171	Nov 25 2016	08:03:25.3	6.77	-73.15	147	1.5	0.2	151	14	LOS SANTOS (SANTANDER)
1172	Nov 25 2016	08:26: 5.5	6.55	-73.39	115	1.5	0.2	109	15	HATO (SANTANDER)
1173	Nov 25 2016	09:25:29.4	8.03	-74.42	10	1.9	0.4	134	21	MONTECRISTO (BOLIVAR)
1174	Nov 25 2016	09:41:36.1	8.63	-73.65	86	1.3	0.1	125	14	PELAYA (CESAR)
1175	Nov 25 2016	09:55:54.6	6.80	-73.16	150	1.7	0.4	145	18	LOS SANTOS (SANTANDER)
1176	Nov 25 2016	10:07:53.8	1.99	-74.45	Sup	2.3	0.6	265	22	SAN VICENTE DEL CAGUAN (CAQUETA)
1177	Nov 25 2016	10:11:22.8	7.13	-76.33	Sup	1.2	0.7	246	8	DABEIBA (ANTIOQUIA)
1178	Nov 25 2016	10:16:30.2	2.04	-74.47	Sup	1.8	0.6	263	13	SAN VICENTE DEL CAGUAN (CAQUETA)
1179	Nov 25 2016	10:29:32.8	6.17	-73.82	104	1.9	0.6	120	18	LANDAZURI (SANTANDER)
1180	Nov 25 2016	11:16:52.4	7.75	-73.34	119	1.7	0.3	222	10	SAN ALBERTO (CESAR)
1181	Nov 25 2016	12:03:54.3	4.76	-74.77	Sup	2.1	0.7	71	29	AMBALEMA (TOLIMA)
1182	Nov 25 2016	15:29:18.1	2.98	-78.53	18	2.2	0.5	299	12	O. PACIFICO SUR
1183	Nov 25 2016	16:54:51.2	6.69	-73.17	146	1.6	0.2	150	7	VILLANUEVA (SANTANDER)
1184	Nov 25 2016	17:32:54.1	4.77	-74.80	Sup	1.4	0.5	102	10	AMBALEMA (TOLIMA)
1185	Nov 25 2016	17:39:28.8	6.75	-73.13	143	1.7	0.3	160	9	LOS SANTOS (SANTANDER)
1186	Nov 25 2016	17:41:59.6	6.80	-73.14	145	1.9	0.5	150	16	LOS SANTOS (SANTANDER)
1187	Nov 25 2016	18:03: 1.0	4.76	-74.79	Sup	1.4	0.4	197	7	AMBALEMA (TOLIMA)
1188	Nov 25 2016	19:21:17.2	9.45	-73.60	113	3.8*	0.6	99	56	CHIRIGUANA (CESAR)
1189	Nov 25 2016	19:26:39.2	4.54	-76.26	126	1.7	0.3	168	8	EL DOVIO (VALLE)
1190	Nov 25 2016	19:43:13.3	9.69	-72.84	144	2.8	0.7	154	25	LA FRONTERA CON VENEZUELA

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1191	Nov 25 2016	20:07:37.3	6.78	-73.14	145	1.8	0.4	153	12	LOS SANTOS (SANTANDER)
1192	Nov 25 2016	20:54:28.3	6.79	-73.15	144	2.4	0.4	100	27	LOS SANTOS (SANTANDER)
1193	Nov 25 2016	21:52: 4.7	7.17	-76.19	Sup	2.5	0.5	224	22	DABEIBA (ANTIOQUIA)
1194	Nov 25 2016	22:03:53.5	6.81	-73.15	147	3.0	0.5	81	42	LOS SANTOS (SANTANDER)
1195	Nov 25 2016	23:23:10.4	6.80	-73.14	146	2.2	0.5	101	26	LOS SANTOS (SANTANDER)
1196	Nov 25 2016	23:35:36.5	6.83	-73.13	145	2.1	0.3	106	20	LOS SANTOS (SANTANDER)
1197	Nov 25 2016	23:36:38.6	5.15	-74.83	Sup	1.8	0.4	186	10	MARIQUITA (TOLIMA)
1198	Nov 26 2016	00:19:58.6	6.83	-73.15	142	1.9	0.4	144	14	LOS SANTOS (SANTANDER)
1199	Nov 26 2016	01:04: 1.2	6.77	-73.15	151	1.6	0.3	151	12	LOS SANTOS (SANTANDER)
1200	Nov 26 2016	02:37:24.2	6.77	-73.13	152	1.9	0.6	71	22	LOS SANTOS (SANTANDER)
1201	Nov 26 2016	03:19:57.5	4.33	-75.38	Sup	1.6	0.5	119	14	CAJAMARCA (TOLIMA)
1202	Nov 26 2016	04:02:27.0	6.70	-73.16	150	1.3	0.2	151	7	VILLANUEVA (SANTANDER)
1203	Nov 26 2016	04:37:57.3	6.74	-73.14	147	1.4	0.3	158	10	LOS SANTOS (SANTANDER)
1204	Nov 26 2016	04:49:58.3	4.36	-76.75	8	1.6	0.4	162	8	SIPI (CHOCO)
1205	Nov 26 2016	06:31:32.8	6.72	-73.13	148	1.2	0.3	164	9	JORDAN (SANTANDER)
1206	Nov 26 2016	06:33:37.8	6.73	-73.17	150	1.2	0.4	145	8	VILLANUEVA (SANTANDER)
1207	Nov 26 2016	06:39:16.6	11.27	-74.51	21	2.1	0.4	234	14	EL MAR CARIBE
1208	Nov 26 2016	06:51:18.9	7.93	-72.80	Sup	1.5	0.5	272	10	LOURDES (N.SANTANDER)
1209	Nov 26 2016	06:55: 3.8	6.68	-73.12	143	1.0	0.2	181	8	VILLANUEVA (SANTANDER)
1210	Nov 26 2016	07:01: 9.2	6.72	-73.12	144	1.1	0.4	171	10	JORDAN (SANTANDER)
1211	Nov 26 2016	07:18:11.8	5.89	-73.70	112	1.0	0.1	274	7	PUENTE NACIONAL (SANTANDER)
1212	Nov 26 2016	07:23:33.3	6.81	-73.34	127	1.0	0.5	113	8	ZAPATOCA (SANTANDER)
1213	Nov 26 2016	07:31: 2.7	2.62	-75.15	13	1.3	0.2	192	9	CAMPOALEGRE (HUILA)
1214	Nov 26 2016	07:37:16.8	6.07	-73.61	127	1.1	0.4	259	8	CHIPATA (SANTANDER)
1215	Nov 26 2016	07:38:18.0	6.74	-73.75	95	0.9	0.3	149	8	EL CARMEN (SANTANDER)
1216	Nov 26 2016	07:47:46.4	6.82	-73.17	145	2.2	0.5	75	29	LOS SANTOS (SANTANDER)
1217	Nov 26 2016	08:07:58.0	6.79	-73.16	146	1.8	0.4	145	14	LOS SANTOS (SANTANDER)
1218	Nov 26 2016	08:19:45.8	6.72	-73.13	145	1.6	0.4	166	9	JORDAN (SANTANDER)
1219	Nov 26 2016	08:24:49.5	6.82	-73.16	153	3.3	0.7	64	63	LOS SANTOS (SANTANDER)
1220	Nov 26 2016	08:33:22.5	2.42	-75.34	24	0.8	0.4	180	8	ALGECIRAS (HUILA)
1221	Nov 26 2016	08:39:41.4	6.80	-73.17	149	2.3	0.5	63	30	LOS SANTOS (SANTANDER)
1222	Nov 26 2016	08:58:52.2	6.78	-73.14	144	1.9	0.5	153	19	LOS SANTOS (SANTANDER)
1223	Nov 26 2016	09:09:32.7	5.23	-72.92	Sup	1.4	0.4	154	8	CHAMEZA (CASANARE)
1224	Nov 26 2016	09:11:43.3	3.05	-74.89	Sup	1.9	0.5	171	23	BARAYA (HUILA)
1225	Nov 26 2016	09:19:11.7	2.96	-74.88	Sup	1.5	0.5	209	14	BARAYA (HUILA)
1226	Nov 26 2016	09:26:54.3	6.75	-73.15	141	1.6	0.4	153	11	LOS SANTOS (SANTANDER)
1227	Nov 26 2016	09:27:58.7	6.79	-73.15	148	1.2	0.1	149	7	LOS SANTOS (SANTANDER)
1228	Nov 26 2016	09:40:44.3	6.83	-73.31	118	1.9	0.6	106	19	ZAPATOCA (SANTANDER)
1229	Nov 26 2016	09:54:44.2	6.87	-73.15	154	2.7	0.6	64	41	LOS SANTOS (SANTANDER)
1230	Nov 26 2016	10:41:14.7	5.25	-72.91	10	2.0	0.5	137	14	CHAMEZA (CASANARE)
1231	Nov 26 2016	10:55: 6.4	6.72	-73.13	142	1.8	0.3	165	11	JORDAN (SANTANDER)
1232	Nov 26 2016	11:02: 6.3	6.85	-73.22	139	1.3	0.3	125	7	ZAPATOCA (SANTANDER)
1233	Nov 26 2016	12:55:58.7	5.24	-75.88	110	1.9	0.3	119	12	BELEN DE UMBRIA (RISARALDA)
1234	Nov 26 2016	13:11:55.2	6.83	-73.17	148	3.2	0.6	63	47	ZAPATOCA (SANTANDER)
1235	Nov 26 2016	14:14:49.5	6.78	-73.17	146	2.5	0.3	143	13	LOS SANTOS (SANTANDER)
1236	Nov 26 2016	15:50:43.5	3.18	-74.81	Sup	2.1	0.4	215	18	COLOMBIA (HUILA)
1237	Nov 26 2016	16:48:34.1	6.74	-73.57	109	1.7	0.3	116	12	EL CARMEN (SANTANDER)
1238	Nov 26 2016	16:49:14.4	2.62	-75.14	Sup	2.2	0.3	193	20	CAMPOALEGRE (HUILA)
1239	Nov 26 2016	19:32:40.3	5.56	-74.07	100	4.1*	0.7	91	71	MUZO (BOYACA)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1240	Nov 26 2016	22:13:57.0	6.80	-73.15	151	1.7	0.4	146	11	LOS SANTOS (SANTANDER)
1241	Nov 26 2016	22:43:19.6	6.78	-73.15	144	1.9	0.4	147	14	LOS SANTOS (SANTANDER)
1242	Nov 26 2016	22:56: 6.7	6.80	-73.10	155	2.3	0.4	193	20	LOS SANTOS (SANTANDER)
1243	Nov 27 2016	00:35:34.4	6.78	-73.15	141	2.2	0.5	85	25	LOS SANTOS (SANTANDER)
1244	Nov 27 2016	01:09:20.7	6.78	-73.14	146	2.1	0.6	120	20	LOS SANTOS (SANTANDER)
1245	Nov 27 2016	01:22: 9.6	6.46	-73.76	89	1.4	0.5	198	10	SANTA HELENA DEL OPON (SANTANDER)
1246	Nov 27 2016	02:13: 4.9	10.03	-73.14	120	1.3	0.2	168	8	AGUSTIN CODAZZI (CESAR)
1247	Nov 27 2016	02:49:25.7	6.81	-73.15	142	2.2	0.6	81	29	LOS SANTOS (SANTANDER)
1248	Nov 27 2016	02:51:44.9	6.28	-73.65	110	1.4	0.3	230	7	SANTA HELENA DEL OPON (SANTANDER)
1249	Nov 27 2016	03:47:25.8	6.81	-73.17	143	1.5	0.3	139	10	ZAPATOCA (SANTANDER)
1250	Nov 27 2016	04:13: 4.2	10.68	-72.86	47	2.2	0.6	153	17	MANAURE BALCON CESAR (CESAR)
1251	Nov 27 2016	05:37: 6.1	5.81	-73.89	106	1.1	0.4	213	10	ALBANIA (SANTANDER)
1252	Nov 27 2016	05:58: 2.8	6.71	-73.36	114	1.0	0.3	166	7	GALAN (SANTANDER)
1253	Nov 27 2016	06:39: 9.1	6.75	-73.10	144	1.4	0.3	171	10	LOS SANTOS (SANTANDER)
1254	Nov 27 2016	07:21:36.5	2.04	-76.72	6	0.7	0.1	154	8	LA VEGA (CAUCA)
1255	Nov 27 2016	07:21:41.5	6.75	-73.36	122	1.1	0.3	176	7	ZAPATOCA (SANTANDER)
1256	Nov 27 2016	07:34:52.2	2.45	-78.00	23	1.3	0.3	192	9	SANTA BARBARA (NARINO)
1257	Nov 27 2016	07:56:24.2	6.61	-73.16	139	1.4	0.3	270	8	VILLANUEVA (SANTANDER)
1258	Nov 27 2016	08:19: 0.3	6.77	-73.22	142	1.3	0.3	126	12	ZAPATOCA (SANTANDER)
1259	Nov 27 2016	08:25:46.7	6.76	-73.18	142	1.4	0.3	139	12	LOS SANTOS (SANTANDER)
1260	Nov 27 2016	09:01:24.6	6.79	-73.14	139	2.2	0.4	151	20	LOS SANTOS (SANTANDER)
1261	Nov 27 2016	09:18:57.2	6.78	-73.15	144	0.9	0.2	220	8	LOS SANTOS (SANTANDER)
1262	Nov 27 2016	09:31: 7.2	6.65	-73.11	134	1.4	0.2	234	8	VILLANUEVA (SANTANDER)
1263	Nov 27 2016	09:50:57.2	6.76	-73.15	139	1.6	0.3	152	13	LOS SANTOS (SANTANDER)
1264	Nov 27 2016	09:52:27.7	6.75	-73.15	144	1.9	0.3	151	17	LOS SANTOS (SANTANDER)
1265	Nov 27 2016	10:12:39.0	5.91	-73.60	130	1.5	0.5	154	13	BARBOSA (SANTANDER)
1266	Nov 27 2016	11:06: 2.7	6.59	-72.06	67	1.9	0.4	160	14	FORTUL (ARAUCA)
1267	Nov 27 2016	11:33: 0.3	6.77	-73.13	145	2.1	0.5	98	23	LOS SANTOS (SANTANDER)
1268	Nov 27 2016	11:47: 0.2	6.65	-74.40	31	1.3	0.3	124	10	PUERTO BERRIO (ANTIOQUIA)
1269	Nov 27 2016	16:16:49.6	7.06	-73.80	26	1.0	0.4	195	8	BARRANCABERMEJA (SANTANDER)
1270	Nov 27 2016	16:45: 8.4	7.80	-73.27	127	1.8	0.4	171	9	SAN ALBERTO (CESAR)
1271	Nov 27 2016	16:48:19.1	6.76	-73.13	139	2.2	0.5	96	21	LOS SANTOS (SANTANDER)
1272	Nov 27 2016	17:27:30.7	3.61	-74.17	Sup	2.7	0.5	93	39	LEJANIAS (META)
1273	Nov 27 2016	17:44:53.3	6.53	-73.49	102	1.5	0.2	191	10	EL CARMEN (SANTANDER)
1274	Nov 27 2016	18:38:34.6	1.93	-75.95	25	1.5	0.3	173	10	TIMANA (HUILA)
1275	Nov 27 2016	19:09:26.7	5.49	-73.94	118	1.9	0.4	132	16	BUENAVISTA (BOYACA)
1276	Nov 27 2016	20:02:44.6	6.73	-73.12	145	1.5	0.2	166	10	JORDAN (SANTANDER)
1277	Nov 27 2016	20:36:40.1	6.84	-73.32	116	2.2	0.5	108	20	ZAPATOCA (SANTANDER)
1278	Nov 27 2016	21:44:50.6	4.57	-76.66	Sup	1.5	0.4	179	12	SIPI (CHOCO)
1279	Nov 27 2016	21:46:11.1	6.79	-73.16	149	1.6	0.5	144	10	LOS SANTOS (SANTANDER)
1280	Nov 27 2016	21:52:42.1	6.86	-73.14	149	2.8	0.6	80	40	LOS SANTOS (SANTANDER)
1281	Nov 27 2016	22:39:58.1	6.68	-73.13	143	1.5	0.4	173	9	VILLANUEVA (SANTANDER)
1282	Nov 27 2016	23:55: 2.2	6.72	-73.14	145	1.8	0.3	159	10	JORDAN (SANTANDER)
1283	Nov 28 2016	00:21:28.6	6.75	-73.15	146	1.4	0.2	152	9	LOS SANTOS (SANTANDER)
1284	Nov 28 2016	00:29:44.7	6.72	-73.11	143	1.3	0.4	173	9	JORDAN (SANTANDER)
1285	Nov 28 2016	02:41: 4.1	3.93	-76.03	Sup	1.6	0.2	181	6	SAN PEDRO (VALLE)
1286	Nov 28 2016	02:42:39.9	6.77	-73.21	158	1.4	0.2	127	6	ZAPATOCA (SANTANDER)
1287	Nov 28 2016	02:45: 6.7	6.75	-71.91	6	1.8	0.7	212	12	FORTUL (ARAUCA)
1288	Nov 28 2016	02:48:27.1	5.86	-76.47	23	1.4	0.3	210	7	QUIBDO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1289	Nov 28 2016	03:15:32.0	5.39	-75.65	Sup	1.1	0.3	91	9	RIOSUCIO (CALDAS)
1290	Nov 28 2016	03:28:19.5	6.71	-73.17	149	1.5	0.2	147	8	VILLANUEVA (SANTANDER)
1291	Nov 28 2016	04:07:16.2	6.75	-73.15	143	1.4	0.1	154	6	LOS SANTOS (SANTANDER)
1292	Nov 28 2016	04:23:51.2	6.81	-73.14	150	1.9	0.7	149	17	LOS SANTOS (SANTANDER)
1293	Nov 28 2016	04:29:35.2	5.26	-73.76	145	2.1	0.4	150	22	CUCUNUBA (CUNDINAMARCA)
1294	Nov 28 2016	04:36:38.2	2.47	-75.48	23	1.2	0.4	156	10	GIGANTE (HUILA)
1295	Nov 28 2016	04:40: 0.4	8.20	-73.51	108	1.0	0.2	127	11	AGUACHICA (CESAR)
1296	Nov 28 2016	05:21:55.0	6.76	-73.14	149	1.8	0.4	121	16	LOS SANTOS (SANTANDER)
1297	Nov 28 2016	05:43:17.7	2.30	-75.68	Sup	0.6	0.2	106	7	AGRADO (HUILA)
1298	Nov 28 2016	06:26:42.1	6.68	-73.15	147	1.3	0.2	165	7	VILLANUEVA (SANTANDER)
1299	Nov 28 2016	06:49:50.6	9.55	-73.96	87	1.3	0.5	128	10	ASTREA (CESAR)
1300	Nov 28 2016	07:17: 3.7	6.77	-73.12	152	0.9	0.3	159	8	LOS SANTOS (SANTANDER)
1301	Nov 28 2016	08:35:24.1	7.19	-76.24	Sup	1.2	0.5	268	8	DABEIBA (ANTIOQUIA)
1302	Nov 28 2016	08:45:16.0	6.75	-73.11	140	2.1	0.4	161	24	LOS SANTOS (SANTANDER)
1303	Nov 28 2016	09:47: 7.7	6.73	-73.16	143	1.3	0.3	152	8	LOS SANTOS (SANTANDER)
1304	Nov 28 2016	11:38:18.1	6.78	-73.15	149	1.3	0.2	249	8	LOS SANTOS (SANTANDER)
1305	Nov 28 2016	13:05:32.5	5.57	-77.89	12	2.2	0.4	237	18	O. PACIFICO NORTE
1306	Nov 28 2016	13:33:39.1	6.79	-73.16	147	2.1	0.4	145	18	LOS SANTOS (SANTANDER)
1307	Nov 28 2016	14:11:54.0	7.95	-72.94	112	2.1	0.4	191	12	VILLA CARO (N.SANTANDER)
1308	Nov 28 2016	15:04:51.3	3.02	-75.10	Sup	2.1	0.5	100	30	TELLO (HUILA)
1309	Nov 28 2016	15:42:22.6	6.80	-73.14	146	2.1	0.4	149	22	LOS SANTOS (SANTANDER)
1310	Nov 28 2016	15:51:32.7	6.78	-73.13	144	2.0	0.4	155	22	LOS SANTOS (SANTANDER)
1311	Nov 28 2016	15:54: 1.2	6.79	-73.16	136	1.6	0.5	143	12	LOS SANTOS (SANTANDER)
1312	Nov 28 2016	16:00:23.1	8.18	-72.24	Sup	1.7	0.3	292	9	LA FRONTERA CON VENEZUELA
1313	Nov 28 2016	16:07:32.4	8.03	-72.77	7	2.4	0.4	225	20	SARDINATA (N.SANTANDER)
1314	Nov 28 2016	17:25:32.6	6.79	-73.16	146	3.6	0.5	65	69	LOS SANTOS (SANTANDER)
1315	Nov 28 2016	17:31:35.7	6.81	-73.16	145	2.9	0.4	78	39	LOS SANTOS (SANTANDER)
1316	Nov 28 2016	18:49:11.9	6.81	-73.15	145	3.4	0.5	68	68	LOS SANTOS (SANTANDER)
1317	Nov 28 2016	19:50:50.7	6.77	-73.11	141	1.6	0.3	165	7	LOS SANTOS (SANTANDER)
1318	Nov 28 2016	20:38:30.0	9.78	-74.41	50	2.1	0.3	89	21	NUEVA GRANADA (MAGDALENA)
1319	Nov 28 2016	21:12:25.8	6.84	-73.12	148	2.3	0.4	86	33	LOS SANTOS (SANTANDER)
1320	Nov 28 2016	21:20:19.1	5.27	-73.72	140	2.6	0.4	98	38	LENGUAZAQUE (CUNDINAMARCA)
1321	Nov 28 2016	21:58:43.0	6.73	-73.11	142	1.3	0.2	170	10	JORDAN (SANTANDER)
1322	Nov 28 2016	22:56:19.7	6.76	-73.13	142	1.7	0.4	158	14	LOS SANTOS (SANTANDER)
1323	Nov 28 2016	23:01:40.5	6.70	-73.18	144	1.4	0.2	230	8	VILLANUEVA (SANTANDER)
1324	Nov 28 2016	23:49:28.9	6.78	-73.18	141	1.3	0.2	239	8	LOS SANTOS (SANTANDER)
1325	Nov 28 2016	23:55:41.6	6.74	-73.12	140	1.3	0.3	166	7	LOS SANTOS (SANTANDER)
1326	Nov 29 2016	00:12:38.9	7.19	-74.12	Sup	1.5	0.4	152	8	PUERTO WILCHES (SANTANDER)
1327	Nov 29 2016	00:29:25.6	6.67	-73.13	148	1.5	0.4	180	10	VILLANUEVA (SANTANDER)
1328	Nov 29 2016	00:53:19.0	4.47	-73.82	Sup	1.5	0.6	150	9	FOMEQUE (CUNDINAMARCA)
1329	Nov 29 2016	01:57:55.6	6.78	-73.15	153	2.0	0.3	149	11	LOS SANTOS (SANTANDER)
1330	Nov 29 2016	02:12:30.0	6.33	-73.51	132	1.3	0.2	230	7	CONTRATAACION (SANTANDER)
1331	Nov 29 2016	03:17:21.6	6.78	-73.14	138	2.4	0.5	65	32	LOS SANTOS (SANTANDER)
1332	Nov 29 2016	03:37:37.0	7.19	-74.11	Sup	0.9	0.4	152	7	PUERTO WILCHES (SANTANDER)
1333	Nov 29 2016	03:53:57.7	8.72	-73.26	108	1.7	0.4	135	17	EL TARRA (N.SANTANDER)
1334	Nov 29 2016	04:00:42.0	10.09	-73.79	63	1.4	0.2	191	10	BOSCONIA (CESAR)
1335	Nov 29 2016	04:26: 1.8	6.79	-73.12	152	2.2	0.5	121	23	LOS SANTOS (SANTANDER)
1336	Nov 29 2016	04:41:36.4	6.84	-73.12	146	2.1	0.6	151	24	LOS SANTOS (SANTANDER)
1337	Nov 29 2016	04:55: 5.4	4.49	-73.87	Sup	1.1	0.4	158	9	FOMEQUE (CUNDINAMARCA)
1338	Nov 29 2016	04:56:59.4	6.67	-73.11	147	1.2	0.4	185	8	VILLANUEVA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1339	Nov 29 2016	05:11:44.8	6.74	-73.14	142	1.3	0.3	157	9	LOS SANTOS (SANTANDER)
1340	Nov 29 2016	05:40:46.2	6.35	-76.60	10	3.3	0.6	104	59	VIGIA DEL FUERTE (ANTIOQUIA)
1341	Nov 29 2016	06:27: 5.3	7.25	-72.11	Sup	1.7	0.4	240	11	LA FRONTERA CON VENEZUELA
1342	Nov 29 2016	06:54:23.2	6.69	-73.13	145	1.8	0.5	89	17	VILLANUEVA (SANTANDER)
1343	Nov 29 2016	06:55:12.2	11.02	-73.63	20	2.0	0.5	144	14	PUEBLO BELLO (CESAR)
1344	Nov 29 2016	06:58: 5.5	1.95	-76.72	Sup	1.3	0.3	170	10	LA VEGA (CAUCA)
1345	Nov 29 2016	07:04: 4.9	7.55	-72.44	Sup	2.7	0.7	171	21	LA FRONTERA CON VENEZUELA
1346	Nov 29 2016	07:34:58.4	7.38	-73.17	135	2.1	0.1	181	10	EL PLAYON (SANTANDER)
1347	Nov 29 2016	07:47:30.2	10.04	-73.87	72	1.1	0.3	142	9	BOSCONIA (CESAR)
1348	Nov 29 2016	08:12:36.4	6.73	-73.15	142	1.3	0.4	155	10	LOS SANTOS (SANTANDER)
1349	Nov 29 2016	08:29:54.5	6.33	-73.61	109	1.3	0.4	224	10	SANTA HELENA DEL OPOON (SANTANDER)
1350	Nov 29 2016	08:48:52.8	6.75	-73.13	149	1.2	0.4	160	10	LOS SANTOS (SANTANDER)
1351	Nov 29 2016	09:45:32.8	7.57	-73.14	142	1.3	0.2	210	10	EL PLAYON (SANTANDER)
1352	Nov 29 2016	10:01:38.4	6.77	-73.33	122	1.9	0.3	119	10	ZAPATOCA (SANTANDER)
1353	Nov 29 2016	10:01:38.4	6.77	-73.33	122	1.9	0.3	119	10	ZAPATOCA (SANTANDER)
1354	Nov 29 2016	10:03: 5.8	2.93	-74.81	6	1.2	0.4	134	10	BARAYA (HUILA)
1355	Nov 29 2016	10:03: 5.8	2.93	-74.81	6	1.2	0.4	134	10	BARAYA (HUILA)
1356	Nov 29 2016	10:07:31.1	4.46	-73.78	Sup	2.2	0.8	131	43	SAN JUANITO (META)
1357	Nov 29 2016	10:07:31.1	4.46	-73.78	Sup	2.2	0.8	131	43	SAN JUANITO (META)
1358	Nov 29 2016	10:16:40.0	4.39	-73.72	6	1.5	0.3	186	13	EL CALVARIO (META)
1359	Nov 29 2016	10:36:17.6	6.78	-73.14	147	1.3	0.2	152	7	LOS SANTOS (SANTANDER)
1360	Nov 29 2016	11:23:23.6	4.43	-75.69	Sup	1.0	0.4	96	12	CORDOBA (QUINDIO)
1361	Nov 29 2016	11:28:18.3	6.79	-73.16	146	1.8	0.2	244	12	LOS SANTOS (SANTANDER)
1362	Nov 29 2016	11:28:18.8	6.77	-73.13	140	2.0	0.5	159	13	LOS SANTOS (SANTANDER)
1363	Nov 29 2016	11:28:18.8	6.77	-73.13	140	2.0	0.5	159	13	LOS SANTOS (SANTANDER)
1364	Nov 29 2016	11:30:42.2	6.76	-73.13	139	2.0	0.4	122	29	LOS SANTOS (SANTANDER)
1365	Nov 29 2016	11:42:53.6	6.80	-73.16	143	2.5	0.5	145	34	LOS SANTOS (SANTANDER)
1366	Nov 29 2016	12:13:14.5	6.79	-73.15	146	1.9	0.4	149	14	LOS SANTOS (SANTANDER)
1367	Nov 29 2016	12:16:19.9	6.75	-73.12	145	1.7	0.3	163	11	LOS SANTOS (SANTANDER)
1368	Nov 29 2016	12:39:10.5	7.81	-73.23	128	1.8	0.4	233	12	SAN ALBERTO (CESAR)
1369	Nov 29 2016	12:57:21.2	4.87	-76.26	10	1.8	0.5	141	20	SAN JOSE DEL PALMAR (CHOCO)
1370	Nov 29 2016	13:19:37.4	6.78	-73.15	147	3.7	0.5	65	72	LOS SANTOS (SANTANDER)
1371	Nov 29 2016	13:30:11.6	6.80	-73.14	147	2.2	0.3	150	20	LOS SANTOS (SANTANDER)
1372	Nov 29 2016	16:23:30.9	6.80	-73.16	144	1.7	0.2	143	9	LOS SANTOS (SANTANDER)
1373	Nov 29 2016	16:42:26.6	4.78	-76.34	93	1.9	0.4	197	12	EL CAIRO (VALLE)
1374	Nov 29 2016	18:03:34.1	5.53	-72.63	Sup	2.7	0.4	116	30	LABRANZAGRANDE (BOYACA)
1375	Nov 29 2016	19:03:58.0	6.73	-73.14	137	1.5	0.3	160	8	JORDAN (SANTANDER)
1376	Nov 29 2016	19:08:21.3	4.53	-76.26	127	1.8	0.4	170	13	EL DOVIO (VALLE)
1377	Nov 29 2016	19:23:31.0	6.84	-73.16	149	1.8	0.5	141	16	ZAPATOCA (SANTANDER)
1378	Nov 29 2016	19:34:35.6	6.88	-76.58	Sup	1.9	0.3	280	8	MURINDO (ANTIOQUIA)
1379	Nov 29 2016	19:35:44.9	7.24	-72.56	Sup	2.0	0.1	191	11	CACOTA (N.SANTANDER)
1380	Nov 29 2016	21:01: 5.3	3.81	-76.61	79	1.3	0.3	199	7	RESTREPO (VALLE)
1381	Nov 29 2016	22:01: 2.2	4.80	-73.85	Sup	1.3	0.5	232	8	GUASCA (CUNDINAMARCA)
1382	Nov 29 2016	22:02:10.8	7.41	-73.18	133	2.0	0.2	186	14	EL PLAYON (SANTANDER)
1383	Nov 29 2016	22:10: 7.6	6.81	-73.14	152	2.1	0.6	119	26	LOS SANTOS (SANTANDER)
1384	Nov 29 2016	22:59:15.2	4.04	-78.51	22	1.7	0.2	290	11	O. PACIFICO VENTO
1385	Nov 29 2016	23:51:53.1	3.75	-74.19	Sup	2.6	0.4	142	29	LEJANIAS (META)
1386	Nov 30 2016	01:18: 9.9	6.83	-73.40	121	1.4	0.3	117	10	SAN VICENTE DE CHUCURI (SANTANDER)
1387	Nov 30 2016	01:18: 9.9	6.83	-73.40	121	1.4	0.3	117	10	SAN VICENTE DE CHUCURI (SANTANDER)
1388	Nov 30 2016	01:34:11.9	4.18	-76.62	93	2.0	0.6	63	34	CALIMA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1389	Nov 30 2016	01:51:24.1	4.48	-76.19	Sup	1.5	0.4	101	11	EL DOVIO (VALLE)
1390	Nov 30 2016	02:41:39.9	6.71	-73.14	146	1.3	0.4	165	8	JORDAN (SANTANDER)
1391	Nov 30 2016	03:12:47.6	10.38	-73.65	74	1.1	0.4	158	10	PUEBLO BELLO (CESAR)
1392	Nov 30 2016	03:19:44.1	6.79	-73.15	148	2.0	0.5	119	19	LOS SANTOS (SANTANDER)
1393	Nov 30 2016	03:20:32.8	2.71	-79.87	32	3.0	0.6	122	31	O. PACIFICO SUR
1394	Nov 30 2016	03:36:34.6	6.75	-73.16	145	1.4	0.4	149	10	LOS SANTOS (SANTANDER)
1395	Nov 30 2016	04:40:28.1	5.63	-74.75	Sup	0.9	0.4	165	8	NORCASIA (CALDAS)
1396	Nov 30 2016	04:44:53.5	6.74	-73.16	139	1.4	0.5	150	9	LOS SANTOS (SANTANDER)
1397	Nov 30 2016	04:49:31.7	4.41	-73.75	Sup	1.6	0.8	92	14	EL CALVARIO (META)
1398	Nov 30 2016	05:26:41.9	7.35	-73.18	130	1.2	0.4	176	8	RIONEGRO (SANTANDER)
1399	Nov 30 2016	06:20: 8.5	6.78	-73.14	140	1.0	0.3	153	8	LOS SANTOS (SANTANDER)
1400	Nov 30 2016	06:21:44.4	6.71	-73.14	147	1.5	0.3	160	9	VILLANUEVA (SANTANDER)
1401	Nov 30 2016	06:23:50.1	6.73	-73.16	143	1.4	0.5	151	9	LOS SANTOS (SANTANDER)
1402	Nov 30 2016	07:17:47.1	7.17	-76.19	Sup	1.8	0.5	225	14	DABEIBA (ANTIOQUIA)
1403	Nov 30 2016	07:21: 4.6	6.77	-73.13	146	1.2	0.4	156	10	LOS SANTOS (SANTANDER)
1404	Nov 30 2016	08:28:18.8	6.69	-73.58	110	1.7	0.5	82	12	EL CARMEN (SANTANDER)
1405	Nov 30 2016	08:53:37.9	6.96	-73.07	141	1.5	0.7	152	12	PIEDRECUESTA (SANTANDER)
1406	Nov 30 2016	09:40:44.6	6.53	-73.08	153	1.0	0.3	318	7	SAN GIL (SANTANDER)
1407	Nov 30 2016	10:19: 1.9	4.00	-74.10	Sup	2.0	0.4	115	31	GUTIERREZ (CUNDINAMARCA)
1408	Nov 30 2016	11:20:55.5	6.77	-73.17	141	1.8	0.3	144	17	LOS SANTOS (SANTANDER)
1409	Nov 30 2016	11:50:20.9	11.52	-74.23	8	2.0	0.4	235	14	EL MAR CARIBE
1410	Nov 30 2016	12:11:46.3	7.57	-75.09	12	2.0	0.3	119	14	ZARAGOZA (ANTIOQUIA)
1411	Nov 30 2016	12:46:14.8	4.44	-75.52	27	0.9	0.5	224	8	CAJAMARCA (TOLIMA)
1412	Nov 30 2016	12:54:12.7	6.16	-75.72	22	1.2	0.2	169	8	HELICONIA (ANTIOQUIA)
1413	Nov 30 2016	13:22:29.9	6.70	-73.19	149	1.6	0.3	224	8	VILLANUEVA (SANTANDER)
1414	Nov 30 2016	14:09: 1.4	6.79	-73.14	143	3.0	0.5	86	53	LOS SANTOS (SANTANDER)
1415	Nov 30 2016	15:20:15.8	6.76	-73.12	144	1.5	0.3	163	7	LOS SANTOS (SANTANDER)
1416	Nov 30 2016	15:36:43.1	7.39	-74.74	46	2.2	0.4	110	21	ZARAGOZA (ANTIOQUIA)
1417	Nov 30 2016	16:51:36.7	6.06	-74.16	77	1.7	0.4	136	12	LA BELLEZA (SANTANDER)
1418	Nov 30 2016	17:12:35.8	5.01	-75.90	114	3.5	0.4	84	59	VITERBO (CALDAS)
1419	Nov 30 2016	17:28:27.9	6.79	-73.12	145	1.9	0.3	157	16	LOS SANTOS (SANTANDER)
1420	<u>Nov 30 2016</u>	<u>17:42:26.2</u>	<u>6.30</u>	<u>-75.84</u>	<u>20</u>	<u>3.5*</u>	<u>0.5</u>	<u>131</u>	<u>62</u>	<u>ANZA (ANTIOQUIA)</u>
1421	Nov 30 2016	17:57:46.1	7.03	-74.24	Sup	1.5	0.3	131	7	YONDO (ANTIOQUIA)
1422	Nov 30 2016	20:29:49.4	5.40	-73.76	126	1.8	0.3	209	9	FUQUENE (CUNDINAMARCA)
1423	Nov 30 2016	21:11: 6.4	6.78	-73.14	143	3.0	0.3	99	32	LOS SANTOS (SANTANDER)
1424	Nov 30 2016	21:20: 9.1	7.23	-76.27	Sup	2.3	0.4	188	14	MUTATA (ANTIOQUIA)
1425	Nov 30 2016	22:01:32.5	6.81	-73.20	137	1.5	0.1	131	7	ZAPATOCA (SANTANDER)
1426	Nov 30 2016	22:29:25.5	9.72	-74.33	53	1.8	0.2	193	10	NUEVA GRANADA (MAGDALENA)
1427	Nov 30 2016	23:28:43.8	4.23	-76.49	47	1.4	0.4	122	10	TRUJILLO (VALLE)

*Magnitud de Momento (Mw)