



BOLETÍN DE SISMOS

marzo de 2016

Red Sismológica Nacional de Colombia – RSNC –

Volumen 24, No. 3

Bogotá, mayo de 2016

República de Colombia
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA
SERVICIO GEOLÓGICO COLOMBIANO**



Boletín de Sismos: marzo de 2016

Red Sismológica Nacional de Colombia

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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,

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Coordinadora.

Grupo de evaluación y monitoreo de la actividad sísmica

Director General del SERVICIO GEOLÓGICO COLOMBIANO

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FUNCIONAMIENTO DE LAS ESTACIONES RSNC

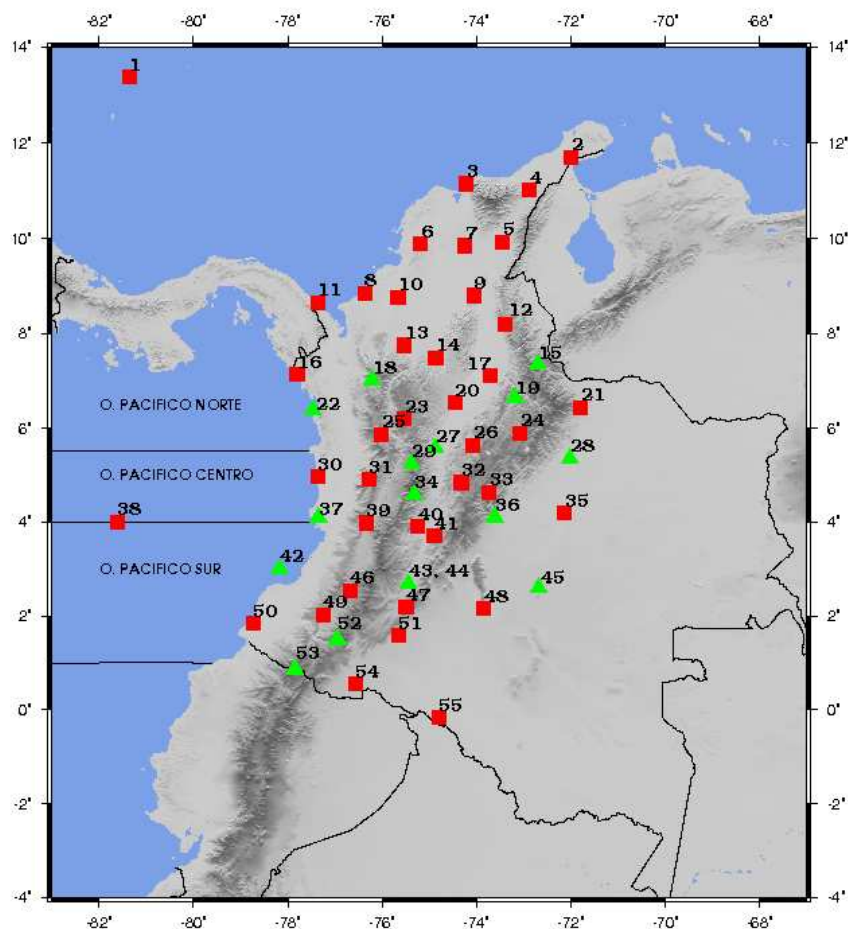
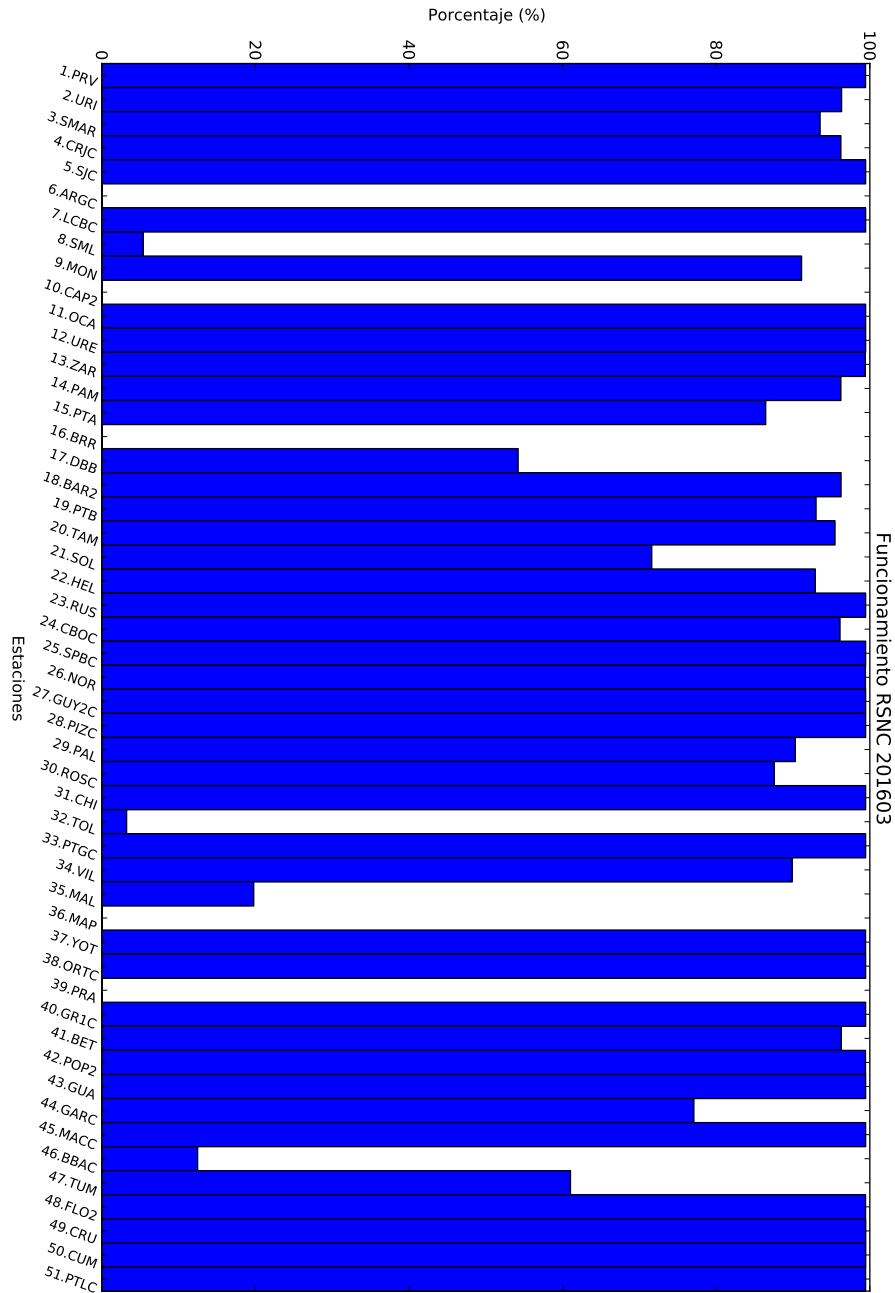


Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

No.	Tipo de Sensor*	Nombre de la Estación	%
1	BB	PROVIDENCIA	99,44
2	BB	URIBIA	96,32
3	BB	SANTA MARTA	93,53
4	BB	CODAZZI	96,23
5	BB	SAN JACINTO	99,45
6	BB	ARIGUANI	0,00
7	BB	LOS CORDOBAS	99,45
8	BB	SAN MARTIN DE LOBA	5,39
9	BB	MONTERÍA	91,11
10	BB	CAPURGANÁ	0,00
11	BB	OCAÑA	99,45
12	BB	SAN JOSE DE URE	99,45
13	BB	ZARAGOZA	99,40
14	BB	PAMPLONA	96,23
15	SP	PUNTA ARDITA	86,44
16	BB	BARRANCA	0,00
17	BB	DABEIBA	54,20
18	SP	BARICHARA	96,25
19	SP	PUERTO BERRIO	93,00
20	BB	TAME	95,47
21	BB	SOLANO	71,60
22	SP	ST.HELENA	92,90
23	BB	LA RUSIA	99,45
24	BB	CIUDAD BOLIVAR	96,12
25	BB	SAN PABLO DE BORBUR	99,45
26	BB	NORCASIA	99,43
27	SP	GUYANA	99,45
28	SP	PIZARRO	99,45
29	BB	SAN JOSE DEL PALMAR	90,29
30	BB	EL ROSAL (CTBTO)	87,55
31	BB	CHINGAZA	99,45
32	BB	TOLIMA	3,23
33	SP	PUERTO GAITAN	99,45
34	BB	VILLAVICENCIO	89,89
35	SP	MALAGA	19,78
36	SP	MALPELO	0,00
37	BB	YOTOCO	99,44
38	BB	ORTEGA	99,45
39	BB	PRADO	0,00
40	BB	GORGONA	99,45
41	SP	BETANIA	96,28
42	SP	POPAYAN	99,43
43	BB	GUAVIARE	99,45
44	SP	GARZON	77,09
45	BB	MACARENA	99,45
46	BB	BALBOA	12,47
47	BB	TUMACO	61,02
48	BB	FLORENCIA	99,44
49	BB	LA CRUZ	99,46
50	SP	CUMBAL	99,46
51	BB	PUERTO LEGUIZAMO	99,45

* SP = Periodo corto
BB = Banda ancha

HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



SISMICIDAD DE MARZO DE 2016

Durante el mes de marzo se registraron 2553 eventos, de los cuales: 2409 corresponden a eventos locales y de estos se localizaron 1169, 83 fueron Regionales y 61 Distantes. De los eventos localizados, 5 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 marzo de 2016

N	FECHA	H:M:S	LAT	LONG	Z	Mw	RMS	GAP	NF	UBICACION
244	Mar 9 2016	05:23:56.9	6.83	-73.16	149	4.2	0.5	67	92	LOS SANTOS (SANTANDER)*
252	Mar 9 2016	06:27:17.6	6.84	-73.14	148	4.8	0.5	56	98	LOS SANTOS (SANTANDER)*
414	Mar 13 2016	13:17:46.3	3.50	-74.57	Sup	4.0	0.5	58	75	COLOMBIA (HUILA)*
425	Mar 13 2016	20:43:13.4	7.22	-78.13	Sup	3.6	0.6	156	84	O. PACIFICO NORTE *
558	Mar 17 2016	08:46: 2.3	5.52	-74.45	Sup	3.9	0.5	45	83	YACOPI (CUNDINAMARCA)*

*Eventos Sísmicos reportados como sentidos

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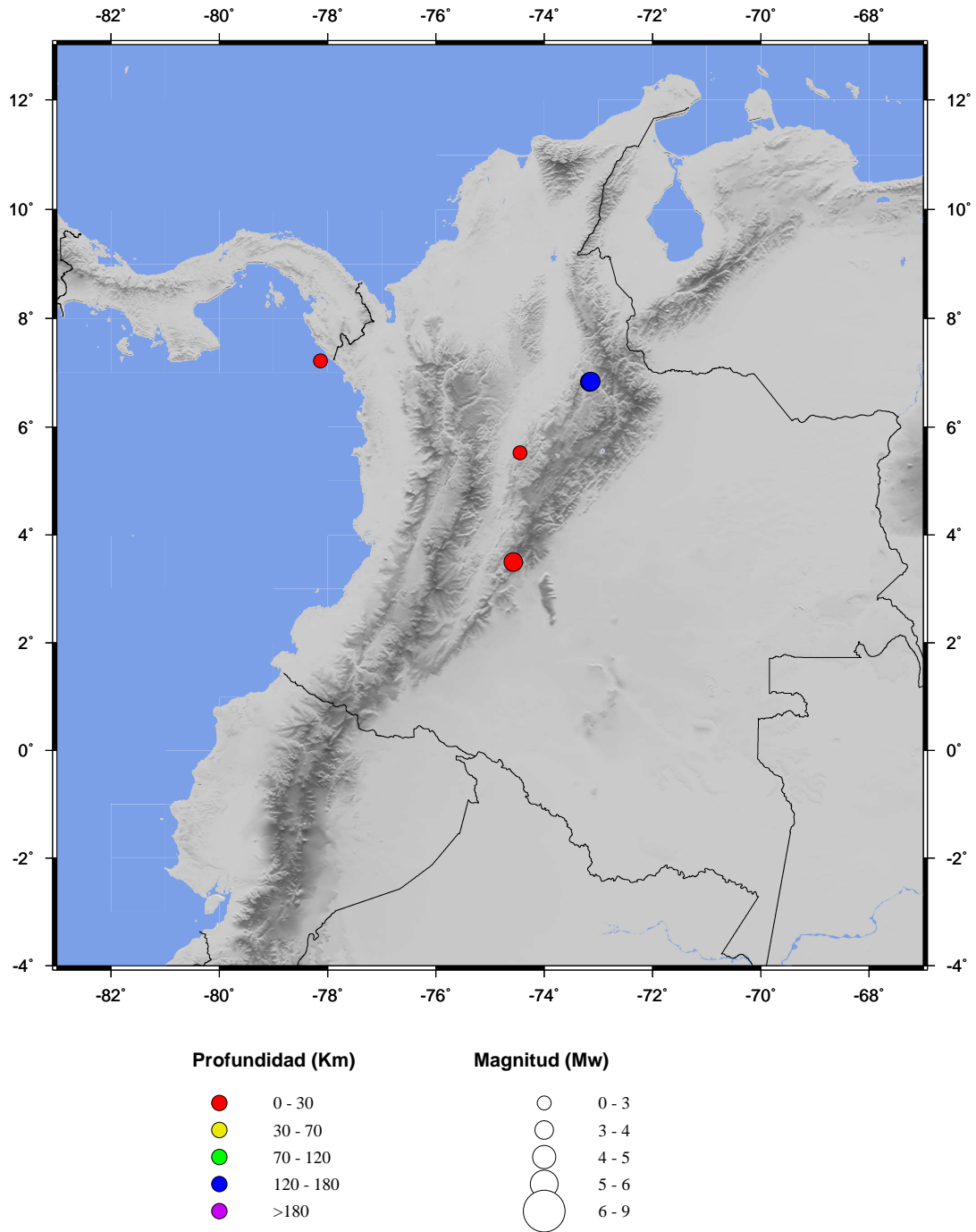


Figura 2: Sismos destacados localizados por la RSNC, durante marzo de 2016.

RED SISMOLOGICA NACIONAL DE COLOMBIA

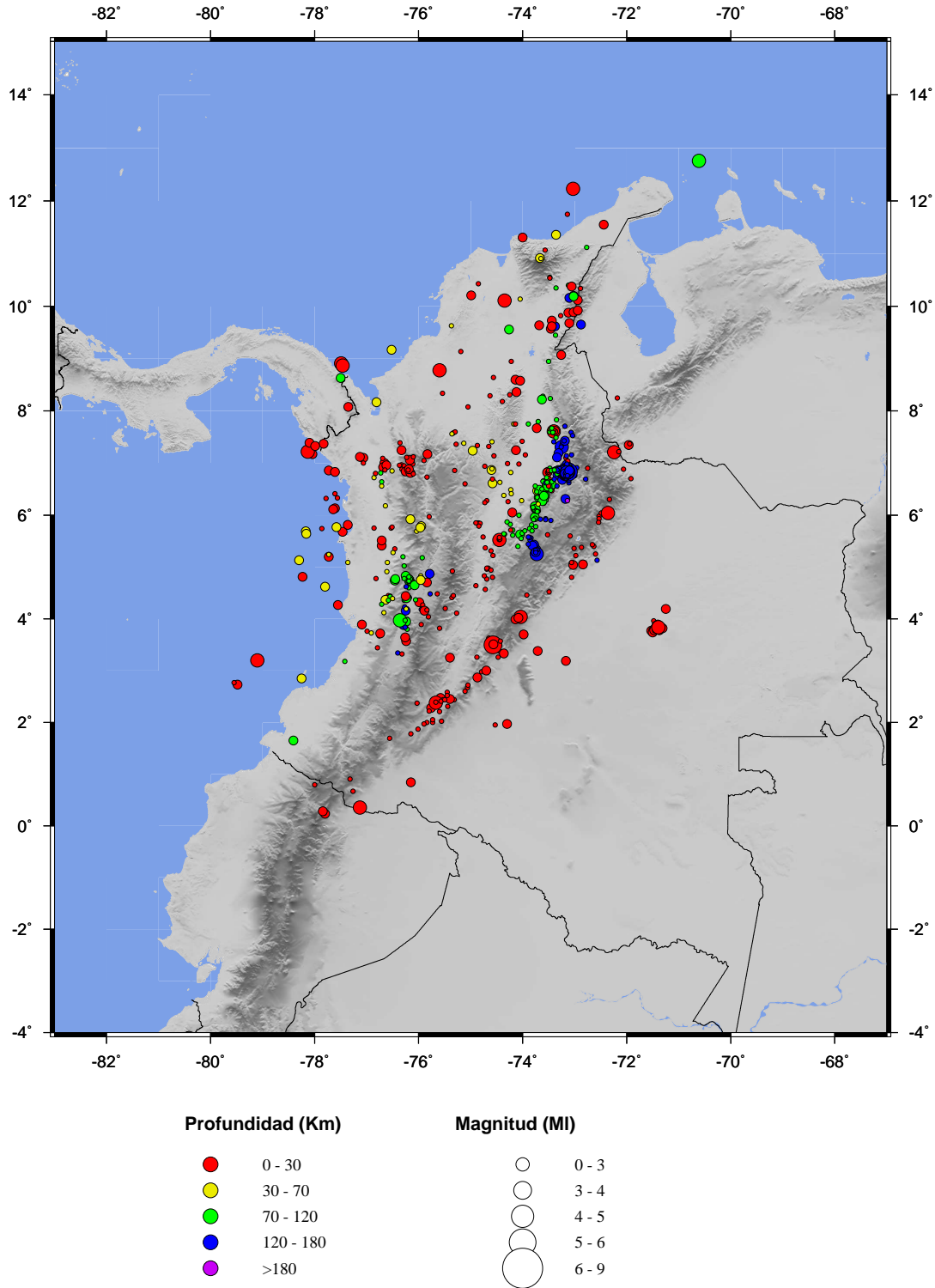


Figura 3: Sismicidad registrada por la RSNC durante marzo de 2016

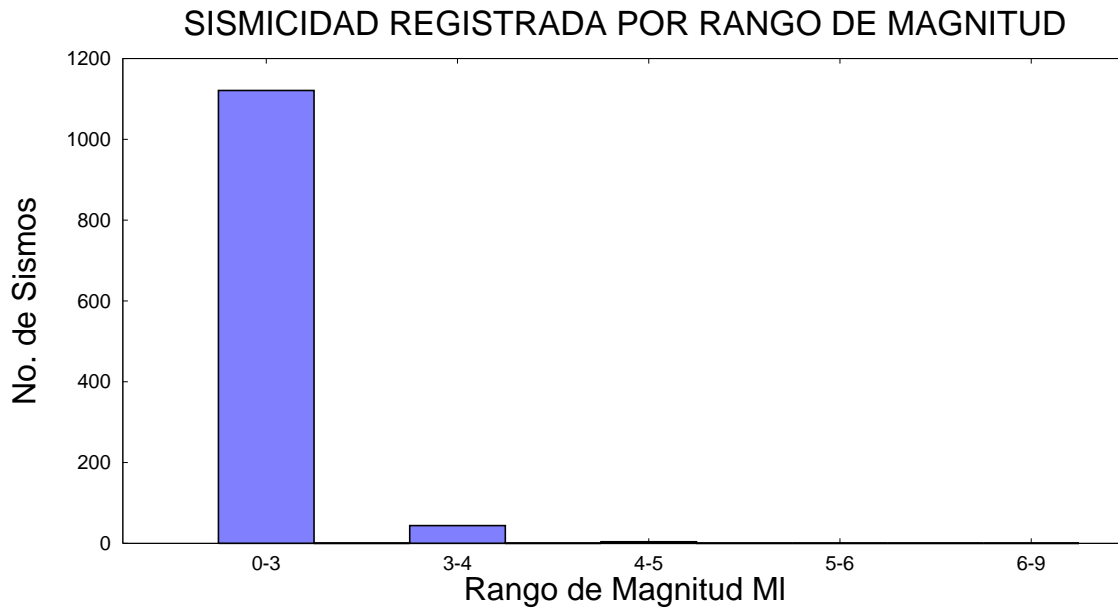


Figura 4: Número de sismos registrados por rango de magnitud, marzo de 2016

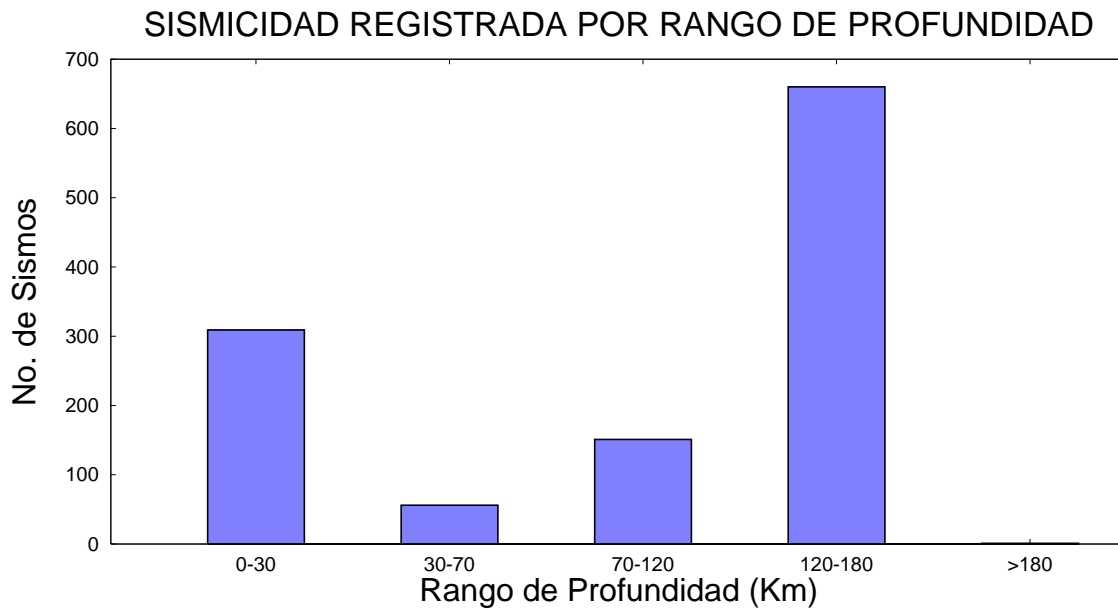


Figura 5: Número de sismos registrados por rango de profundidad, marzo de 2016

EVENTOS LOCALIZADOS DURANTE MARZO DE 2016

Cuadro 2: Listado de eventos localizados durante marzo de 2016

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Mar 1 2016	00:02:37.5	0.90	-77.32	Sup	1.4	0.2	234	9	FUNES (NARINO)
2	Mar 1 2016	00:04:22.7	6.75	-73.15	132	1.6	0.5	138	15	LOS SANTOS (SANTANDER)
3	Mar 1 2016	00:22:13.8	8.60	-74.14	Sup	2.2	0.4	83	14	TIQUISIO (BOLIVAR)
4	Mar 1 2016	00:23:13.1	6.82	-73.12	147	3.0	0.6	61	61	LOS SANTOS (SANTANDER)
5	Mar 1 2016	01:00:25.8	9.68	-73.10	Sup	2.0	0.5	99	14	BECERRIL (CESAR)
6	Mar 1 2016	01:05: 8.2	2.28	-75.76	Sup	2.0	0.3	89	20	AGRADO (HUILA)
7	Mar 1 2016	02:05:46.9	4.04	-74.04	Sup	3.0	0.6	51	66	GUTIERREZ (CUNDINAMARCA)
8	Mar 1 2016	02:22:44.2	6.78	-73.15	151	1.7	0.3	136	19	LOS SANTOS (SANTANDER)
9	Mar 1 2016	03:57:54.4	6.80	-73.15	140	1.7	0.4	135	18	LOS SANTOS (SANTANDER)
10	Mar 1 2016	04:09:42.7	6.76	-73.15	144	1.7	0.3	137	15	LOS SANTOS (SANTANDER)
11	Mar 1 2016	04:49:27.7	5.96	-73.77	110	2.3	0.5	82	38	BOLIVAR (SANTANDER)
12	Mar 1 2016	05:45: 0.8	6.78	-73.14	137	1.8	0.5	137	25	LOS SANTOS (SANTANDER)
13	Mar 1 2016	05:58:41.4	6.82	-73.18	142	2.2	0.5	130	34	ZAPATOCA (SANTANDER)
14	Mar 1 2016	06:31:38.9	4.11	-75.27	14	1.5	0.5	176	10	ROVIRA (TOLIMA)
15	Mar 1 2016	06:49:20.3	4.16	-76.25	144	2.8	0.5	67	54	RIOFRIO (VALLE)
16	Mar 1 2016	09:43:47.8	4.79	-75.94	50	1.5	0.6	82	24	ANSERMANUEVO (VALLE)
17	Mar 1 2016	15:25:24.7	8.08	-77.35	Sup	2.4	0.3	106	14	FRONTERA CON PANAMA
18	Mar 1 2016	19:20: 3.1	4.75	-76.18	115	2.1	0.4	135	14	EL CAIRO (VALLE)
19	Mar 1 2016	21:19:53.6	6.77	-73.15	138	1.5	0.4	139	10	LOS SANTOS (SANTANDER)
20	Mar 1 2016	21:42:15.4	6.82	-73.21	142	1.8	0.1	148	8	ZAPATOCA (SANTANDER)
21	Mar 2 2016	00:29: 1.1	7.05	-76.12	Sup	1.6	0.4	152	12	DABEIBA (ANTIOQUIA)
22	Mar 2 2016	00:38:40.9	8.95	-73.50	107	1.7	0.5	77	19	PAILITAS (CESAR)
23	Mar 2 2016	00:43:20.0	4.86	-75.80	Sup	1.3	0.5	136	14	LA VIRGINIA (RISARALDA)
24	Mar 2 2016	00:45:16.0	5.26	-73.72	147	2.5	0.4	78	37	CUCUNUBA (CUNDINAMARCA)
25	Mar 2 2016	02:32: 6.3	6.83	-73.21	145	1.4	0.3	149	10	ZAPATOCA (SANTANDER)
26	Mar 2 2016	02:58: 7.9	7.21	-72.24	Sup	3.1	0.6	106	58	CUBARA (BOYACA)
27	Mar 2 2016	03:19:25.3	5.27	-73.76	147	2.2	0.4	75	36	CUCUNUBA (CUNDINAMARCA)
28	Mar 2 2016	03:49:18.2	6.79	-73.16	143	1.8	0.3	134	19	LOS SANTOS (SANTANDER)
29	Mar 2 2016	03:59:35.8	6.79	-73.13	146	2.1	0.5	72	32	LOS SANTOS (SANTANDER)
30	Mar 2 2016	04:06:23.7	2.35	-75.64	Sup	2.5	0.4	56	34	GIGANTE (HUILA)
31	Mar 2 2016	04:48:57.8	6.77	-73.12	145	1.5	0.4	140	14	LOS SANTOS (SANTANDER)
32	Mar 2 2016	05:15:50.4	6.79	-73.19	139	1.3	0.4	131	16	ZAPATOCA (SANTANDER)
33	Mar 2 2016	06:59:18.8	0.79	-78.00	Sup	1.2	0.1	173	9	FRONTERA CON ECUADOR
34	Mar 2 2016	08:30: 1.6	6.16	-73.78	97	1.2	0.4	93	13	LANDAZURI (SANTANDER)
35	Mar 2 2016	09:42:53.9	6.73	-73.17	149	1.0	0.2	135	9	VILLANUEVA (SANTANDER)
36	Mar 2 2016	09:44:25.9	6.99	-74.29	11	1.5	0.4	126	13	YONDO (ANTIOQUIA)
37	Mar 2 2016	10:58:52.1	2.34	-75.64	13	1.6	0.4	82	14	GIGANTE (HUILA)
38	Mar 2 2016	11:48: 4.7	9.17	-76.52	49	2.8	0.6	209	36	MAR CARIBE
39	Mar 2 2016	11:51:55.5	6.86	-77.73	10	2.7	0.5	170	34	O.PACIFICO NORTE
40	Mar 2 2016	17:54:33.2	6.82	-73.13	143	3.0	0.5	71	42	LOS SANTOS (SANTANDER)
41	Mar 2 2016	20:09:12.0	6.70	-73.49	Sup	1.4	0.3	151	8	EL CARMEN (SANTANDER)
42	Mar 2 2016	20:32:15.5	11.12	-72.77	71	1.7	0.1	187	7	MANAURE BALCON CESAR (CESAR)
43	Mar 2 2016	20:45:33.1	3.95	-76.29	115	1.7	0.3	101	10	BUGA (VALLE)
44	Mar 2 2016	20:52:54.5	6.81	-73.18	143	2.0	0.2	145	14	ZAPATOCA (SANTANDER)
45	Mar 2 2016	21:16:56.1	4.32	-75.99	16	2.0	0.2	107	22	SEVILLA (VALLE)
46	Mar 2 2016	21:37:29.8	6.82	-73.19	141	2.6	0.3	129	28	ZAPATOCA (SANTANDER)
47	Mar 2 2016	21:42:34.5	6.61	-74.58	48	2.2	0.3	86	20	PUERTO BERRIO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
48	Mar 2 2016	22:24:34.2	6.50	-73.52	110	1.6	0.2	129	14	SANTA HELENA DEL OPON (SANTANDER)
49	Mar 2 2016	22:56:33.2	7.61	-73.40	Sup	3.1	0.9	57	44	LA ESPERANZA (N.SANTANDER)
50	Mar 2 2016	23:07: 9.5	7.61	-73.38	Sup	1.6	0.3	141	10	LA ESPERANZA (N.SANTANDER)
51	Mar 2 2016	23:58:43.1	6.34	-73.69	97	2.0	0.3	63	21	SANTA HELENA DEL OPON (SANTANDER)
52	Mar 3 2016	00:45:39.6	6.80	-73.15	144	2.8	0.4	70	64	LOS SANTOS (SANTANDER)
53	Mar 3 2016	01:09:55.3	6.82	-73.11	150	2.6	0.6	68	41	LOS SANTOS (SANTANDER)
54	Mar 3 2016	05:20:52.6	6.54	-73.47	116	2.0	0.4	68	30	EL CARMEN (SANTANDER)
55	Mar 3 2016	05:43:53.9	6.83	-73.15	143	1.6	0.4	125	23	LOS SANTOS (SANTANDER)
56	Mar 3 2016	06:02: 4.1	6.86	-73.31	126	1.4	0.5	53	21	BETULIA (SANTANDER)
57	Mar 3 2016	06:04:30.4	7.62	-73.38	Sup	2.0	0.5	69	33	LA ESPERANZA (N.SANTANDER)
58	Mar 3 2016	06:43: 2.4	6.79	-73.15	134	1.4	0.3	135	7	LOS SANTOS (SANTANDER)
59	Mar 3 2016	06:55:24.7	4.87	-75.79	127	2.4	0.5	62	41	MARSELLA (RISARALDA)
60	Mar 3 2016	08:30:35.7	6.63	-74.44	47	1.0	0.4	147	8	PUERTO BERRIO (ANTIOQUIA)
61	Mar 3 2016	08:31:16.4	6.78	-73.13	150	1.3	0.3	245	7	LOS SANTOS (SANTANDER)
62	Mar 3 2016	09:13:14.9	3.77	-71.53	Sup	2.6	0.6	227	18	PUERTO GAITAN (META)
63	Mar 3 2016	14:28:37.8	3.88	-76.29	123	2.6	0.5	86	35	BUGA (VALLE)
64	Mar 3 2016	14:42: 9.3	5.18	-75.93	111	1.5	0.4	122	10	BELEN DE UMBRIA (RISARALDA)
65	Mar 3 2016	14:55:10.5	5.94	-73.76	106	1.9	0.5	85	21	SUCRE (SANTANDER)
66	Mar 3 2016	14:58:17.7	2.21	-75.60	Sup	1.9	0.7	84	22	GARZON (HUILA)
67	Mar 3 2016	15:14:34.1	4.46	-73.92	Sup	1.9	0.1	212	10	UBAQUE (CUNDINAMARCA)
68	Mar 3 2016	15:37:25.4	6.79	-73.14	145	2.1	0.4	137	16	LOS SANTOS (SANTANDER)
69	Mar 3 2016	15:59: 6.2	6.31	-73.18	178	2.4	0.5	141	24	CHARALA (SANTANDER)
70	Mar 3 2016	16:34:34.8	2.46	-75.54	19	1.4	0.3	83	12	GIGANTE (HUILA)
71	Mar 3 2016	19:22:20.4	6.80	-73.18	137	2.4	0.5	131	24	ZAPATOCA (SANTANDER)
72	Mar 3 2016	20:37:16.5	5.69	-76.04	63	1.3	0.3	174	10	BETANIA (ANTIOQUIA)
73	Mar 3 2016	21:06:14.1	5.85	-74.85	Sup	1.7	0.4	93	20	PUERTO TRIUNFO (ANTIOQUIA)
74	Mar 3 2016	21:13: 2.9	6.76	-73.16	136	1.7	0.3	139	14	LOS SANTOS (SANTANDER)
75	Mar 3 2016	23:05:37.8	6.91	-73.20	136	1.3	0.1	125	8	BETULIA (SANTANDER)
76	Mar 3 2016	23:09: 2.3	6.77	-73.17	124	1.4	0.3	135	10	LOS SANTOS (SANTANDER)
77	Mar 4 2016	00:38:30.5	2.67	-75.06	8	1.8	0.5	122	21	RIVERA (HUILA)
78	Mar 4 2016	02:13:33.2	6.80	-73.17	139	1.4	0.3	143	13	LOS SANTOS (SANTANDER)
79	Mar 4 2016	02:53:50.3	3.34	-76.40	124	1.1	0.2	185	10	CANDELARIA (VALLE)
80	Mar 4 2016	04:17:13.2	6.68	-73.25	129	1.7	0.4	103	16	BARICHARA (SANTANDER)
81	Mar 4 2016	04:58:55.6	4.73	-76.12	112	1.9	0.4	120	22	ARGELIA (VALLE)
82	Mar 4 2016	05:25:32.8	6.80	-73.13	141	1.9	0.4	127	26	LOS SANTOS (SANTANDER)
83	Mar 4 2016	05:48:29.0	6.82	-73.34	133	1.2	0.4	158	11	ZAPATOCA (SANTANDER)
84	Mar 4 2016	05:53: 0.9	6.82	-73.15	147	2.9	0.4	70	55	LOS SANTOS (SANTANDER)
85	Mar 4 2016	06:42:37.5	5.13	-72.57	127	1.5	0.1	216	8	AGUAZUL (CASANARE)
86	Mar 4 2016	07:06:39.8	3.18	-77.42	99	1.4	0.4	225	11	LOPEZ (CAUCA)
87	Mar 4 2016	08:02:13.3	6.84	-73.22	135	1.4	0.3	174	11	ZAPATOCA (SANTANDER)
88	Mar 4 2016	08:31:29.8	6.56	-76.71	61	1.6	0.2	133	17	VIGIA DEL FUERTE (ANTIOQUIA)
89	Mar 4 2016	10:28:27.2	6.81	-73.14	147	2.2	0.5	102	31	LOS SANTOS (SANTANDER)
90	Mar 4 2016	10:34:47.9	4.23	-76.27	128	1.9	0.5	101	30	TRUJILLO (VALLE)
91	Mar 4 2016	11:02:55.3	6.87	-73.27	125	1.5	0.3	122	10	BETULIA (SANTANDER)
92	Mar 4 2016	12:42:55.1	6.81	-73.14	142	3.0	0.6	55	47	LOS SANTOS (SANTANDER)
93	Mar 4 2016	12:59: 1.0	6.79	-73.15	138	2.2	0.4	136	17	LOS SANTOS (SANTANDER)
94	Mar 4 2016	14:09:56.1	7.10	-77.06	15	2.4	0.4	127	25	MURINDO (ANTIOQUIA)
95	Mar 4 2016	14:53:21.8	4.66	-76.07	14	1.5	0.5	162	18	TORO (VALLE)
96	Mar 4 2016	14:54: 5.4	7.20	-73.34	114	1.6	0.4	157	14	LEBRIJA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
97	Mar 4 2016	20:13: 7.9	6.80	-73.16	142	1.8	0.4	142	16	LOS SANTOS (SANTANDER)
98	Mar 4 2016	21:16:22.6	6.78	-73.16	142	2.1	0.3	135	19	LOS SANTOS (SANTANDER)
99	Mar 4 2016	21:58:31.9	6.80	-73.19	130	1.5	0.3	145	9	ZAPATOCA (SANTANDER)
100	Mar 4 2016	22:39:25.9	6.80	-73.18	138	1.7	0.3	131	16	ZAPATOCA (SANTANDER)
101	Mar 5 2016	01:53: 1.2	4.45	-76.58	Sup	1.5	0.3	154	8	SIPI (CHOCO)
102	Mar 5 2016	02:45:16.0	6.79	-73.14	136	1.8	0.5	136	19	LOS SANTOS (SANTANDER)
103	Mar 5 2016	03:46:42.0	8.95	-74.22	Sup	1.7	0.3	174	8	BARRANCO DE LOBA (BOLIVAR)
104	Mar 5 2016	07:37:55.7	4.77	-76.17	108	1.6	0.3	126	12	EL CAIRO (VALLE)
105	Mar 5 2016	08:15:25.7	7.83	-73.35	112	1.5	0.5	64	18	SAN ALBERTO (CESAR)
106	Mar 5 2016	08:29:59.3	6.83	-73.15	142	2.0	0.6	134	22	LOS SANTOS (SANTANDER)
107	Mar 5 2016	10:09: 3.2	6.80	-73.12	146	1.5	0.3	139	18	LOS SANTOS (SANTANDER)
108	Mar 5 2016	13:25:56.4	3.38	-73.71	Sup	2.3	0.5	185	23	FUENTE DE ORO (META)
109	Mar 5 2016	13:37:21.5	6.81	-73.16	144	1.7	0.4	134	13	LOS SANTOS (SANTANDER)
110	Mar 5 2016	13:53:10.0	5.61	-74.19	95	1.3	0.3	176	9	OTANCHE (BOYACA)
111	Mar 5 2016	15:49:50.2	6.78	-73.33	126	2.1	0.5	66	25	ZAPATOCA (SANTANDER)
112	Mar 5 2016	17:06:36.5	6.82	-73.13	142	1.9	0.4	137	22	LOS SANTOS (SANTANDER)
113	Mar 5 2016	17:14:45.1	5.79	-75.95	50	2.2	0.5	122	23	HISPANIA (ANTIOQUIA)
114	Mar 5 2016	17:44:45.3	6.78	-73.14	143	1.9	0.4	138	12	LOS SANTOS (SANTANDER)
115	Mar 5 2016	18:50:39.9	2.87	-74.87	8	2.0	0.4	178	13	TELLO (HUILA)
116	Mar 5 2016	19:13: 4.6	6.81	-73.15	140	2.0	0.5	135	23	LOS SANTOS (SANTANDER)
117	Mar 5 2016	19:57:30.2	8.63	-77.50	84	2.8	0.4	159	19	FRONTERA CON PANAMA
118	Mar 5 2016	20:07:56.8	9.57	-73.46	Sup	2.3	0.8	111	12	LA JAGUA DE IBIRICO (CESAR)
119	Mar 5 2016	20:16:53.8	3.99	-76.22	119	1.3	0.3	129	8	SAN PEDRO (VALLE)
120	Mar 5 2016	21:23: 8.3	6.77	-73.20	130	1.6	0.3	142	11	ZAPATOCA (SANTANDER)
121	Mar 5 2016	22:15:47.8	6.79	-73.14	138	1.8	0.4	137	16	LOS SANTOS (SANTANDER)
122	Mar 5 2016	23:38:27.0	6.66	-73.60	91	1.4	0.4	157	12	EL CARMEN (SANTANDER)
123	Mar 5 2016	23:47:30.7	2.73	-79.48	Sup	2.5	0.4	280	18	O. PACIFICO SUR
124	Mar 6 2016	00:13: 1.9	6.86	-73.32	112	1.7	0.5	99	17	BETULIA (SANTANDER)
125	Mar 6 2016	01:21:43.0	6.83	-73.13	147	1.8	0.4	136	18	LOS SANTOS (SANTANDER)
126	Mar 6 2016	01:32:55.8	7.39	-76.36	9	1.8	0.7	219	13	MUTATA (ANTIOQUIA)
127	Mar 6 2016	01:57:15.3	6.80	-73.15	144	1.6	0.3	135	10	LOS SANTOS (SANTANDER)
128	Mar 6 2016	02:04:21.0	5.81	-73.83	110	1.7	0.4	150	16	JESUS MARIA (SANTANDER)
129	Mar 6 2016	02:15:25.1	6.81	-73.15	146	2.0	0.4	135	23	LOS SANTOS (SANTANDER)
130	Mar 6 2016	02:41:11.3	6.79	-73.17	141	1.6	0.4	133	12	LOS SANTOS (SANTANDER)
131	Mar 6 2016	04:59:17.3	6.78	-73.20	137	3.5	0.6	68	72	ZAPATOCA (SANTANDER)
132	Mar 6 2016	05:50: 9.7	6.84	-73.08	156	1.4	0.5	190	8	LOS SANTOS (SANTANDER)
133	Mar 6 2016	07:19:49.0	6.83	-73.13	152	3.3	0.6	52	74	LOS SANTOS (SANTANDER)
134	Mar 6 2016	07:39: 4.5	10.20	-73.02	126	2.1	0.5	85	14	MANAURE BALCON CESAR (CESAR)
135	Mar 6 2016	07:43:31.9	6.83	-73.26	136	1.5	0.2	152	8	ZAPATOCA (SANTANDER)
136	Mar 6 2016	08:00:24.6	6.83	-73.15	142	1.9	0.5	69	22	LOS SANTOS (SANTANDER)
137	Mar 6 2016	10:15:38.3	6.17	-73.77	99	2.1	0.5	66	35	LANDAZURI (SANTANDER)
138	Mar 6 2016	10:25:23.4	4.27	-75.92	Sup	1.9	0.5	95	27	SEVILLA (VALLE)
139	Mar 6 2016	10:52:23.2	6.82	-73.17	132	1.6	0.5	132	16	ZAPATOCA (SANTANDER)
140	Mar 6 2016	11:05:23.3	6.82	-73.13	149	1.5	0.2	246	10	LOS SANTOS (SANTANDER)
141	Mar 6 2016	13:12:44.5	6.79	-73.17	135	1.6	0.4	133	13	LOS SANTOS (SANTANDER)
142	Mar 6 2016	13:50: 8.6	3.67	-76.76	Sup	1.3	0.5	126	8	DAGUA (VALLE)
143	Mar 6 2016	14:11:24.4	6.82	-73.16	144	1.8	0.4	133	22	LOS SANTOS (SANTANDER)
144	Mar 6 2016	14:20:43.9	7.41	-73.20	126	1.9	0.4	106	15	EL PLAYON (SANTANDER)
145	Mar 6 2016	16:02:14.8	6.79	-73.14	147	2.0	0.4	137	21	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
146	Mar 6 2016	16:08:57.4	2.98	-74.79	Sup	1.8	0.7	87	24	BARAYA (HUILA)
147	Mar 6 2016	16:18:25.8	6.05	-74.20	Sup	2.5	0.5	64	41	LA BELLEZA (SANTANDER)
148	Mar 6 2016	16:27:11.4	6.79	-73.13	144	2.6	0.5	138	36	LOS SANTOS (SANTANDER)
149	Mar 6 2016	17:04:52.9	6.82	-73.17	140	1.8	0.5	132	18	ZAPATOCA (SANTANDER)
150	Mar 6 2016	20:39:15.5	6.78	-73.18	146	1.8	0.4	132	16	ZAPATOCA (SANTANDER)
151	Mar 6 2016	21:15:51.3	6.80	-73.17	144	2.0	0.3	133	17	LOS SANTOS (SANTANDER)
152	Mar 6 2016	21:39: 6.8	6.28	-74.02	32	1.5	0.2	110	14	CIMITARRA (SANTANDER)
153	Mar 6 2016	22:01:49.7	6.78	-73.17	135	1.6	0.2	134	18	LOS SANTOS (SANTANDER)
154	Mar 6 2016	22:13: 2.0	5.41	-76.71	Sup	2.8	0.5	85	44	RIO QUITO (CHOCO)
155	Mar 6 2016	22:42:20.6	6.83	-73.17	143	3.1	0.5	67	61	ZAPATOCA (SANTANDER)
156	Mar 6 2016	23:50:31.9	6.76	-73.12	144	2.1	0.5	104	26	LOS SANTOS (SANTANDER)
157	Mar 7 2016	01:30: 5.2	6.88	-73.38	118	1.6	0.1	164	9	SAN VICENTE DE CHUCURI (SANTANDER)
158	Mar 7 2016	01:34:21.1	7.39	-73.20	130	1.5	0.2	104	13	EL PLAYON (SANTANDER)
159	Mar 7 2016	01:48: 0.1	7.35	-71.96	Sup	2.1	0.3	128	13	FRONTERA CON VENEZUELA
160	Mar 7 2016	01:52:11.3	7.22	-72.15	Sup	1.2	0.3	204	8	CUBARA (BOYACA)
161	Mar 7 2016	02:57:38.2	3.38	-74.45	Sup	1.3	0.3	195	7	URIBE (META)
162	Mar 7 2016	03:57: 0.8	6.81	-73.17	143	1.4	0.3	144	12	LOS SANTOS (SANTANDER)
163	Mar 7 2016	04:19: 5.0	6.82	-73.17	145	1.6	0.3	131	17	ZAPATOCA (SANTANDER)
164	Mar 7 2016	05:38:33.5	6.80	-73.17	141	1.3	0.2	132	9	ZAPATOCA (SANTANDER)
165	Mar 7 2016	06:12:49.4	6.80	-73.20	144	1.2	0.3	145	8	ZAPATOCA (SANTANDER)
166	Mar 7 2016	07:41:11.3	6.97	-76.33	12	1.5	0.2	242	8	DABEIBA (ANTIOQUIA)
167	Mar 7 2016	07:46:49.2	7.37	-71.94	Sup	1.8	0.6	121	15	FRONTERA CON VENEZUELA
168	Mar 7 2016	07:56:43.2	6.82	-73.19	143	1.2	0.1	147	8	ZAPATOCA (SANTANDER)
169	Mar 7 2016	07:59: 8.2	6.85	-73.26	145	1.4	0.3	154	14	ZAPATOCA (SANTANDER)
170	Mar 7 2016	07:59:40.7	1.94	-76.03	Sup	0.6	0.4	178	8	SALADOBLANCO (HUILA)
171	Mar 7 2016	08:02:36.2	5.75	-76.53	14	1.3	0.4	253	10	QUIBDO (CHOCO)
172	Mar 7 2016	08:27:24.9	6.80	-73.16	148	1.7	0.3	70	18	LOS SANTOS (SANTANDER)
173	Mar 7 2016	08:38:42.4	7.60	-73.48	102	1.2	0.3	109	10	LA ESPERANZA (N.SANTANDER)
174	Mar 7 2016	08:53:48.6	6.80	-73.17	143	1.3	0.2	143	7	LOS SANTOS (SANTANDER)
175	Mar 7 2016	09:00:27.5	6.78	-73.13	146	0.9	0.1	139	7	LOS SANTOS (SANTANDER)
176	Mar 7 2016	09:19:47.1	6.76	-73.17	147	1.4	0.3	134	18	LOS SANTOS (SANTANDER)
177	Mar 7 2016	09:24:43.6	6.82	-73.18	145	1.8	0.2	131	16	ZAPATOCA (SANTANDER)
178	Mar 7 2016	09:35:54.9	6.80	-73.14	141	1.9	0.2	137	18	LOS SANTOS (SANTANDER)
179	Mar 7 2016	10:02:47.1	2.44	-75.32	15	1.4	0.5	100	14	ALGECIRAS (HUILA)
180	Mar 7 2016	10:09:41.9	6.81	-73.17	139	1.4	0.3	145	10	ZAPATOCA (SANTANDER)
181	Mar 7 2016	10:16:58.9	4.19	-71.25	Sup	2.0	0.2	312	10	OROCUE (CASANARE)
182	Mar 7 2016	10:23:56.2	2.07	-75.69	21	0.7	0.1	131	8	GUADALUPE (HUILA)
183	Mar 7 2016	13:08:36.2	6.78	-73.14	145	1.5	0.1	204	8	LOS SANTOS (SANTANDER)
184	Mar 7 2016	13:31:17.0	2.34	-75.63	Sup	1.3	0.3	126	10	GIGANTE (HUILA)
185	Mar 7 2016	14:29:12.9	10.43	-74.85	19	1.9	0.7	189	16	CANDELARIA (ATLANTICO)
186	Mar 7 2016	15:19:34.1	6.08	-73.77	103	1.5	0.4	109	11	EL PENON (SANTANDER)
187	Mar 7 2016	17:18:57.0	6.75	-73.15	141	1.7	0.4	138	14	LOS SANTOS (SANTANDER)
188	Mar 7 2016	17:21:56.6	6.81	-73.16	138	1.4	0.4	133	10	LOS SANTOS (SANTANDER)
189	Mar 7 2016	18:03:20.4	2.85	-78.25	39	2.1	0.2	198	16	O. PACIFICO SUR
190	Mar 7 2016	18:18:44.5	6.81	-73.16	136	2.0	0.4	133	14	LOS SANTOS (SANTANDER)
191	Mar 7 2016	19:44:41.2	7.61	-73.37	Sup	1.9	0.4	107	10	LA ESPERANZA (N.SANTANDER)
192	Mar 7 2016	21:00:52.5	6.78	-73.13	143	1.9	0.4	105	22	LOS SANTOS (SANTANDER)
193	Mar 7 2016	21:06:50.4	5.22	-74.57	25	1.2	0.4	123	10	UTICA (CUNDINAMARCA)
194	Mar 7 2016	21:17:21.6	4.48	-75.64	Sup	1.9	0.5	89	13	CALARCA (QUINDIO)
195	Mar 7 2016	21:43:11.4	7.41	-73.40	143	1.9	0.3	225	10	SABANA DE TORRES (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
196	Mar 7 2016	22:16:17.1	6.68	-73.24	139	2.0	0.5	107	20	BARICHARA (SANTANDER)
197	Mar 7 2016	22:19:17.2	6.81	-73.13	145	2.4	0.5	61	35	LOS SANTOS (SANTANDER)
198	Mar 7 2016	23:14: 1.4	5.90	-73.46	136	1.7	0.5	101	20	TOGUI (BOYACA)
199	Mar 7 2016	23:19:34.1	6.80	-73.21	130	1.6	0.4	128	14	ZAPATOCA (SANTANDER)
200	Mar 8 2016	01:35: 4.3	6.79	-73.17	138	1.5	0.3	133	13	LOS SANTOS (SANTANDER)
201	Mar 8 2016	02:30:39.9	6.80	-73.17	139	1.6	0.2	133	17	LOS SANTOS (SANTANDER)
202	Mar 8 2016	02:49: 1.9	9.88	-73.12	Sup	2.3	0.2	185	8	AGUSTIN CODAZZI (CESAR)
203	Mar 8 2016	02:53:56.8	6.77	-73.18	145	1.3	0.1	141	11	LOS SANTOS (SANTANDER)
204	Mar 8 2016	03:04:35.5	5.90	-73.90	94	0.8	0.2	122	7	LA BELLEZA (SANTANDER)
205	Mar 8 2016	03:10:49.0	6.79	-73.16	146	1.5	0.3	242	13	LOS SANTOS (SANTANDER)
206	Mar 8 2016	03:29:16.0	3.32	-76.32	15	1.2	0.2	192	9	CANDELARIA (VALLE)
207	Mar 8 2016	03:32:11.7	6.00	-74.07	84	1.1	0.3	84	13	LA BELLEZA (SANTANDER)
208	Mar 8 2016	04:12:54.7	6.76	-73.19	146	1.0	0.3	273	7	ZAPATOCA (SANTANDER)
209	Mar 8 2016	04:32: 1.8	6.81	-73.14	139	2.0	0.4	136	24	LOS SANTOS (SANTANDER)
210	Mar 8 2016	04:57:57.3	6.79	-73.17	139	1.3	0.3	242	12	LOS SANTOS (SANTANDER)
211	Mar 8 2016	05:02:16.6	6.84	-73.13	135	1.4	0.3	246	11	LOS SANTOS (SANTANDER)
212	Mar 8 2016	05:20: 2.1	1.80	-76.14	Sup	0.5	0.1	191	7	PALESTINA (HUILA)
213	Mar 8 2016	05:27:51.9	6.81	-73.14	140	1.1	0.2	244	8	LOS SANTOS (SANTANDER)
214	Mar 8 2016	06:13:12.3	11.07	-73.57	21	1.6	0.2	150	8	PUEBLO BELLO (CESAR)
215	Mar 8 2016	06:17:29.6	10.40	-73.12	110	1.3	0.2	152	7	LA PAZ (CESAR)
216	Mar 8 2016	06:24:44.7	10.14	-74.05	31	1.6	0.2	99	11	ALGARROBO (MAGDALENA)
217	Mar 8 2016	06:37:52.9	6.80	-73.18	142	1.3	0.3	144	12	ZAPATOCA (SANTANDER)
218	Mar 8 2016	06:58:57.8	6.80	-73.15	149	1.5	0.2	136	17	LOS SANTOS (SANTANDER)
219	Mar 8 2016	07:20:13.8	6.82	-73.15	143	1.6	0.4	135	17	LOS SANTOS (SANTANDER)
220	Mar 8 2016	07:43:52.9	5.96	-73.73	112	0.8	0.3	148	8	GUAVATA (SANTANDER)
221	Mar 8 2016	08:15: 3.8	6.79	-73.17	142	0.9	0.4	142	8	LOS SANTOS (SANTANDER)
222	Mar 8 2016	08:26:41.2	6.81	-73.17	146	1.3	0.2	132	15	ZAPATOCA (SANTANDER)
223	Mar 8 2016	08:49:34.0	6.80	-73.15	148	1.5	0.2	108	13	LOS SANTOS (SANTANDER)
224	Mar 8 2016	09:02: 0.8	6.13	-73.75	103	0.8	0.4	104	10	LANDAZURI (SANTANDER)
225	Mar 8 2016	09:19:18.0	6.87	-73.13	148	2.6	0.6	69	48	LOS SANTOS (SANTANDER)
226	Mar 8 2016	09:43:51.4	5.71	-74.19	88	1.3	0.2	98	18	OTANCHE (BOYACA)
227	Mar 8 2016	10:29:10.0	5.44	-73.78	138	1.4	0.5	119	15	SUSA (CUNDINAMARCA)
228	Mar 8 2016	12:30:54.0	6.80	-73.17	139	1.9	0.4	133	22	LOS SANTOS (SANTANDER)
229	Mar 8 2016	12:41:21.5	1.78	-76.15	Sup	1.0	0.3	195	10	PALESTINA (HUILA)
230	Mar 8 2016	13:40:19.5	6.80	-73.16	140	1.6	0.2	143	9	LOS SANTOS (SANTANDER)
231	Mar 8 2016	14:16: 7.9	5.34	-73.74	155	2.1	0.6	129	21	LENGUAZAQUE (CUNDINAMARCA)
232	Mar 8 2016	14:42:57.6	8.18	-74.39	18	1.9	0.4	141	16	MONTECRISTO (BOLIVAR)
233	Mar 8 2016	16:05: 2.1	6.83	-73.52	Sup	2.2	0.4	122	20	SAN VICENTE DE CHUCURI (SANTANDER)
234	Mar 8 2016	20:24:58.6	5.71	-74.23	Sup	1.7	0.5	100	18	OTANCHE (BOYACA)
235	Mar 8 2016	23:23:33.3	7.31	-73.25	125	3.3	0.6	53	50	RIONEGRO (SANTANDER)
236	Mar 9 2016	00:03:19.3	7.16	-73.95	22	1.1	0.1	196	6	BARRANCABERMEJA (SANTANDER)
237	Mar 9 2016	00:41:38.2	6.84	-73.20	140	1.6	0.1	149	12	ZAPATOCA (SANTANDER)
238	Mar 9 2016	01:58:48.2	4.44	-76.55	92	1.4	0.3	206	10	SIPI (CHOCO)
239	Mar 9 2016	02:14:13.4	2.40	-75.69	Sup	1.3	0.3	120	14	TESALIA (HUILA)
240	Mar 9 2016	04:17:52.9	6.69	-73.11	135	1.1	0.3	145	8	JORDAN (SANTANDER)
241	Mar 9 2016	04:22:16.2	6.80	-73.18	140	1.3	0.3	144	10	ZAPATOCA (SANTANDER)
242	Mar 9 2016	04:23:24.8	6.08	-73.70	117	1.1	0.2	114	7	CHIPATA (SANTANDER)
243	Mar 9 2016	04:25:36.9	4.93	-73.48	Sup	0.9	0.3	102	11	GUAYATA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
244	Mar 9 2016	05:23:56.9	6.83	-73.16	149	4.3*	0.5	67	92	LOS SANTOS (SANTANDER)
245	Mar 9 2016	05:30:38.1	6.81	-73.16	146	1.5	0.2	133	14	LOS SANTOS (SANTANDER)
246	Mar 9 2016	05:37:21.6	7.16	-73.06	146	1.3	0.2	178	8	BUCARAMANGA (SANTANDER)
247	Mar 9 2016	05:40:34.1	6.79	-73.17	150	1.4	0.1	142	10	LOS SANTOS (SANTANDER)
248	Mar 9 2016	05:49: 3.7	6.79	-73.18	141	1.2	0.3	143	13	ZAPATOCA (SANTANDER)
249	Mar 9 2016	05:59:32.2	3.63	-74.65	10	1.0	0.4	263	7	DOLORES (TOLIMA)
250	Mar 9 2016	06:03: 6.2	2.47	-75.58	17	2.0	0.3	151	14	GIGANTE (HUILA)
251	Mar 9 2016	06:12:57.0	6.81	-73.12	141	1.9	0.3	138	20	LOS SANTOS (SANTANDER)
252	Mar 9 2016	06:27:17.6	6.84	-73.14	148	4.9*	0.5	56	98	LOS SANTOS (SANTANDER)
253	Mar 9 2016	06:46:56.5	5.56	-73.84	130	1.3	0.3	107	14	CALDAS (BOYACA)
254	Mar 9 2016	07:48: 2.8	2.47	-75.40	13	1.6	0.4	96	18	ALGECIRAS (HUILA)
255	Mar 9 2016	08:03:17.5	5.31	-74.61	22	1.2	0.3	77	16	CAPARRAPI (CUNDINAMARCA)
256	Mar 9 2016	08:07:51.8	6.74	-73.09	140	1.3	0.3	172	10	JORDAN (SANTANDER)
257	Mar 9 2016	08:32:32.1	6.80	-73.18	147	1.2	0.2	131	10	ZAPATOCA (SANTANDER)
258	Mar 9 2016	08:59:20.1	6.78	-73.15	145	1.4	0.2	243	14	LOS SANTOS (SANTANDER)
259	Mar 9 2016	11:30:57.3	6.81	-73.16	138	1.8	0.3	134	12	LOS SANTOS (SANTANDER)
260	Mar 9 2016	12:46: 5.0	6.83	-73.14	144	2.9	0.5	70	48	LOS SANTOS (SANTANDER)
261	Mar 9 2016	14:00:14.0	5.05	-72.84	Sup	2.1	0.6	152	26	TAURAMENA (CASANARE)
262	Mar 9 2016	14:47: 8.4	4.71	-76.22	80	1.8	0.3	155	14	EL CAIRO (VALLE)
263	Mar 9 2016	14:56: 0.3	4.70	-75.84	Sup	2.1	0.5	93	30	ALCALA (VALLE)
264	Mar 9 2016	15:13: 3.7	6.83	-73.18	139	1.7	0.4	147	10	ZAPATOCA (SANTANDER)
265	Mar 9 2016	15:31:38.4	6.84	-73.18	142	1.5	0.3	148	10	ZAPATOCA (SANTANDER)
266	Mar 9 2016	15:35:46.1	6.79	-73.15	144	2.0	0.3	135	12	LOS SANTOS (SANTANDER)
267	Mar 9 2016	17:06:47.6	6.81	-73.16	141	2.4	0.4	110	32	LOS SANTOS (SANTANDER)
268	Mar 9 2016	17:50: 8.8	5.63	-74.05	106	2.0	0.3	91	18	SAN PABLO DE BORBUR (BOYACA)
269	Mar 9 2016	21:20:29.0	6.28	-74.69	Sup	1.2	0.3	149	11	CARACOLI (ANTIOQUIA)
270	Mar 9 2016	22:19:20.8	7.58	-75.33	25	1.7	0.2	116	10	CACERES (ANTIOQUIA)
271	Mar 9 2016	22:29:58.5	6.24	-74.73	7	1.1	0.3	250	10	PUERTO NARE (ANTIOQUIA)
272	Mar 10 2016	00:13: 1.6	6.84	-73.22	137	1.2	0.2	150	8	ZAPATOCA (SANTANDER)
273	Mar 10 2016	01:22:50.8	6.81	-73.15	144	3.0	0.3	70	46	LOS SANTOS (SANTANDER)
274	Mar 10 2016	02:11:53.0	6.79	-73.16	136	1.1	0.2	276	8	LOS SANTOS (SANTANDER)
275	Mar 10 2016	03:17:56.3	6.81	-73.18	141	1.2	0.2	276	8	ZAPATOCA (SANTANDER)
276	Mar 10 2016	04:01:30.1	6.79	-73.17	138	1.2	0.2	142	9	LOS SANTOS (SANTANDER)
277	Mar 10 2016	04:13:43.9	6.87	-74.60	47	2.5	0.3	99	21	REMEDIOS (ANTIOQUIA)
278	Mar 10 2016	04:49:30.3	6.90	-73.19	138	1.5	0.2	154	10	BETULIA (SANTANDER)
279	Mar 10 2016	04:50: 8.0	3.26	-74.88	Sup	1.6	0.3	150	14	ALPUJARRA (TOLIMA)
280	Mar 10 2016	06:05:56.2	6.90	-73.48	105	1.6	0.4	75	20	SAN VICENTE DE CHUCURI (SANTANDER)
281	Mar 10 2016	06:16: 6.9	6.82	-73.18	136	1.1	0.2	146	10	ZAPATOCA (SANTANDER)
282	Mar 10 2016	06:24:14.0	6.82	-73.18	144	1.5	0.2	131	12	ZAPATOCA (SANTANDER)
283	Mar 10 2016	07:47:22.1	2.37	-76.03	Sup	1.2	0.2	172	12	LA PLATA (HUILA)
284	Mar 10 2016	08:34: 6.5	6.79	-73.16	142	1.7	0.3	135	18	LOS SANTOS (SANTANDER)
285	Mar 10 2016	08:45: 5.3	6.80	-73.21	139	1.2	0.2	128	9	ZAPATOCA (SANTANDER)
286	Mar 10 2016	09:37:52.1	6.80	-73.15	143	1.6	0.3	135	16	LOS SANTOS (SANTANDER)
287	Mar 10 2016	09:37:52.5	6.78	-73.15	140	1.6	0.5	137	18	LOS SANTOS (SANTANDER)
288	Mar 10 2016	09:47:34.6	5.98	-72.53	Sup	1.7	0.5	174	14	SOCOTA (BOYACA)
289	Mar 10 2016	10:08: 8.4	7.05	-75.90	Sup	1.5	0.4	202	12	PEQUE (ANTIOQUIA)
290	Mar 10 2016	10:35:42.6	6.81	-73.16	147	2.3	0.4	64	36	LOS SANTOS (SANTANDER)
291	Mar 10 2016	12:32:25.0	2.72	-75.05	Sup	1.6	0.4	217	12	RIVERA (HUILA)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
292	Mar 10 2016	12:43:54.8	6.80	-73.15	148	1.9	0.2	142	12	LOS SANTOS (SANTANDER)
293	Mar 10 2016	15:10: 2.2	6.80	-73.17	144	1.5	0.3	143	10	LOS SANTOS (SANTANDER)
294	Mar 10 2016	15:52:23.8	4.57	-74.72	12	1.9	0.5	159	19	JERUSALEN (CUNDINAMARCA)
295	Mar 10 2016	16:10:54.5	10.11	-74.35	16	3.0	0.7	112	26	SABANAS DE SAN ANGEL (MAGDALENA)
296	Mar 10 2016	19:16:33.2	2.31	-75.44	7	1.6	0.2	189	10	GIGANTE (HUILA)
297	Mar 10 2016	19:42:49.0	6.85	-73.13	152	3.0	0.6	70	48	LOS SANTOS (SANTANDER)
298	Mar 10 2016	19:52:11.9	6.82	-73.16	145	1.9	0.3	133	13	LOS SANTOS (SANTANDER)
299	Mar 10 2016	20:06:31.5	6.76	-73.00	149	1.7	0.4	254	12	CEPITA (SANTANDER)
300	Mar 10 2016	20:12:38.3	7.00	-76.66	Sup	2.2	0.5	140	16	MURINDO (ANTIOQUIA)
301	Mar 10 2016	20:46:16.7	6.76	-73.14	138	2.2	0.4	138	21	LOS SANTOS (SANTANDER)
302	Mar 10 2016	21:11:27.1	3.19	-73.17	9	2.0	0.5	234	15	PUERTO LLERAS (META)
303	Mar 10 2016	22:40: 0.7	6.88	-72.06	Sup	1.9	0.5	113	15	CUBARA (BOYACA)
304	Mar 10 2016	22:47:45.3	6.78	-73.09	138	1.6	0.3	144	8	LOS SANTOS (SANTANDER)
305	Mar 11 2016	00:05:56.6	6.78	-73.11	146	1.5	0.3	142	14	LOS SANTOS (SANTANDER)
306	Mar 11 2016	01:12:16.2	6.85	-73.08	150	1.5	0.3	250	14	LOS SANTOS (SANTANDER)
307	Mar 11 2016	02:03: 2.9	6.81	-73.33	126	1.1	0.3	130	7	ZAPATOCA (SANTANDER)
308	Mar 11 2016	02:57:55.8	6.64	-73.44	107	1.4	0.3	173	11	EL CARMEN (SANTANDER)
309	Mar 11 2016	03:16: 4.7	6.76	-73.09	144	1.9	0.3	145	14	LOS SANTOS (SANTANDER)
310	Mar 11 2016	03:24:22.6	6.87	-76.29	Sup	1.4	0.1	259	8	URAMITA (ANTIOQUIA)
311	Mar 11 2016	03:25:16.2	5.25	-72.60	Sup	1.5	0.4	179	12	AGUAZUL (CASANARE)
312	Mar 11 2016	03:40:56.5	6.82	-73.17	142	2.2	0.3	116	22	ZAPATOCA (SANTANDER)
313	Mar 11 2016	04:33:10.1	6.79	-73.18	142	1.8	0.3	132	16	ZAPATOCA (SANTANDER)
314	Mar 11 2016	04:36:32.2	10.92	-73.67	30	2.2	0.4	189	12	PUEBLO BELLO (CESAR)
315	Mar 11 2016	04:41: 5.0	5.38	-72.87	10	1.3	0.3	162	14	AQUITANIA (BOYACA)
316	Mar 11 2016	04:43:45.8	6.86	-73.29	122	1.0	0.3	226	8	BETULIA (SANTANDER)
317	Mar 11 2016	05:15:51.8	4.98	-74.66	15	1.7	0.3	167	15	CHAGUANI (CUNDINAMARCA)
318	Mar 11 2016	05:36:53.9	6.82	-73.14	145	3.7	0.3	67	43	LOS SANTOS (SANTANDER)
319	Mar 11 2016	05:47: 8.9	6.80	-73.11	150	2.1	0.2	140	18	LOS SANTOS (SANTANDER)
320	Mar 11 2016	06:09:31.7	6.75	-73.11	144	1.5	0.2	143	9	LOS SANTOS (SANTANDER)
321	Mar 11 2016	06:17: 5.3	3.95	-76.24	102	2.4	0.3	93	16	SAN PEDRO (VALLE)
322	Mar 11 2016	06:18:25.2	6.80	-73.15	148	2.1	0.2	73	16	LOS SANTOS (SANTANDER)
323	Mar 11 2016	06:24:35.5	6.80	-73.14	140	1.5	0.3	136	12	LOS SANTOS (SANTANDER)
324	Mar 11 2016	06:37:36.7	6.81	-73.14	142	2.5	0.3	135	20	LOS SANTOS (SANTANDER)
325	Mar 11 2016	06:54: 3.9	6.78	-73.16	142	1.3	0.2	135	12	LOS SANTOS (SANTANDER)
326	Mar 11 2016	06:57:25.1	6.81	-73.15	142	1.4	0.3	135	12	LOS SANTOS (SANTANDER)
327	Mar 11 2016	07:16: 6.2	6.83	-73.11	152	3.0	0.5	61	48	LOS SANTOS (SANTANDER)
328	Mar 11 2016	07:30:51.6	6.82	-73.15	145	3.0	0.3	70	45	LOS SANTOS (SANTANDER)
329	Mar 11 2016	08:19: 9.9	6.80	-73.15	148	1.8	0.3	64	19	LOS SANTOS (SANTANDER)
330	Mar 11 2016	08:28:18.0	6.80	-73.10	147	1.1	0.1	177	7	LOS SANTOS (SANTANDER)
331	Mar 11 2016	09:15:33.3	7.17	-78.04	14	2.2	0.5	172	16	O. PACIFICO NORTE
332	Mar 11 2016	09:39:36.0	6.79	-73.14	140	1.7	0.3	183	11	LOS SANTOS (SANTANDER)
333	Mar 11 2016	13:31: 4.4	5.62	-73.52	Sup	1.2	0.6	132	12	VILLA DE LEIVA (BOYACA)
334	Mar 11 2016	15:32: 7.8	5.36	-73.01	Sup	1.9	0.2	176	12	SAN EDUARDO (BOYACA)
335	Mar 11 2016	15:41: 5.9	6.23	-73.69	100	1.5	0.4	93	14	LANDAZURI (SANTANDER)
336	Mar 11 2016	15:45:35.7	6.81	-73.13	130	2.3	0.5	137	14	LOS SANTOS (SANTANDER)
337	Mar 11 2016	17:33:30.9	6.97	-73.16	146	2.2	0.3	124	18	GIRON (SANTANDER)
338	Mar 11 2016	18:12: 0.8	6.75	-73.12	142	1.6	0.1	160	12	LOS SANTOS (SANTANDER)
339	Mar 11 2016	19:44:59.9	4.33	-76.63	40	1.8	0.4	201	21	SIPI (CHOCO)
340	Mar 11 2016	22:27:46.0	4.69	-76.18	81	1.6	0.4	143	14	ARGELIA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
341	Mar 12 2016	00:14:59.4	6.77	-73.14	142	1.4	0.1	138	8	LOS SANTOS (SANTANDER)
342	Mar 12 2016	01:53:12.9	6.82	-73.13	147	2.3	0.5	127	37	LOS SANTOS (SANTANDER)
343	Mar 12 2016	02:01:49.2	6.12	-73.75	105	2.8	0.7	49	56	EL PENON (SANTANDER)
344	Mar 12 2016	03:12:35.5	3.51	-74.49	Sup	1.7	0.6	101	12	URIBE (META)
345	Mar 12 2016	03:26:12.9	6.79	-73.15	138	1.9	0.5	71	16	LOS SANTOS (SANTANDER)
346	Mar 12 2016	03:29:48.2	6.82	-73.13	142	2.6	0.6	56	46	LOS SANTOS (SANTANDER)
347	Mar 12 2016	04:12:19.3	5.75	-76.86	Sup	1.8	0.4	165	12	QUIBDO (CHOCO)
348	Mar 12 2016	04:44: 4.1	5.65	-74.01	115	1.3	0.4	99	12	PAUNA (BOYACA)
349	Mar 12 2016	05:01:54.0	7.10	-73.17	Sup	1.3	0.3	140	9	GIRON (SANTANDER)
350	Mar 12 2016	05:05:12.4	7.04	-73.13	Sup	1.0	0.6	132	10	GIRON (SANTANDER)
351	Mar 12 2016	05:35:31.5	6.82	-73.13	140	2.1	0.5	61	36	LOS SANTOS (SANTANDER)
352	Mar 12 2016	08:15: 0.4	6.80	-73.13	145	2.7	0.5	71	56	LOS SANTOS (SANTANDER)
353	Mar 12 2016	10:04:53.5	6.81	-73.17	144	1.4	0.2	132	11	LOS SANTOS (SANTANDER)
354	Mar 12 2016	10:24:21.2	6.95	-73.18	139	1.1	0.3	123	10	BETULIA (SANTANDER)
355	Mar 12 2016	12:07: 3.3	6.86	-76.17	Sup	1.8	0.3	242	11	URAMITA (ANTIOQUIA)
356	Mar 12 2016	12:52:39.4	7.65	-73.46	114	1.7	0.2	163	12	SAN ALBERTO (CESAR)
357	Mar 12 2016	14:16:50.6	4.60	-76.19	119	1.3	0.3	150	9	VERSALLES (VALLE)
358	Mar 12 2016	15:13:19.0	6.81	-73.13	148	3.1	0.3	137	26	LOS SANTOS (SANTANDER)
359	Mar 12 2016	15:46:39.4	9.64	-73.68	22	2.1	0.5	123	10	EL PASO (CESAR)
360	Mar 12 2016	16:48:27.3	0.84	-76.15	Sup	2.0	0.3	161	15	PUERTO GUZMAN (PUTUMAYO)
361	Mar 12 2016	16:56: 0.2	1.69	-76.56	Sup	1.9	0.4	142	16	SANTA ROSA (CAUCA)
362	Mar 12 2016	17:44:38.8	6.77	-73.13	141	1.7	0.2	139	8	LOS SANTOS (SANTANDER)
363	Mar 12 2016	18:28:22.5	6.80	-73.27	136	1.5	0.4	121	10	ZAPATOCA (SANTANDER)
364	Mar 12 2016	18:58: 2.2	6.80	-73.11	147	1.6	0.4	140	8	LOS SANTOS (SANTANDER)
365	Mar 12 2016	20:10:27.5	6.90	-76.30	Sup	1.8	0.5	235	13	DABEIBA (ANTIOQUIA)
366	Mar 12 2016	20:10:33.1	6.90	-76.22	Sup	1.8	0.4	200	12	URAMITA (ANTIOQUIA)
367	Mar 12 2016	20:43:29.6	6.88	-76.32	11	1.4	0.5	236	10	DABEIBA (ANTIOQUIA)
368	Mar 12 2016	21:28:15.1	6.80	-73.14	141	1.8	0.4	136	18	LOS SANTOS (SANTANDER)
369	Mar 12 2016	21:40:27.8	6.04	-72.49	Sup	1.5	0.4	230	11	JERICO (BOYACA)
370	Mar 12 2016	22:29: 3.2	6.70	-73.13	122	1.4	0.2	142	7	JORDAN (SANTANDER)
371	Mar 12 2016	23:35:33.9	5.93	-73.56	122	1.7	0.3	93	18	TOGUI (BOYACA)
372	Mar 12 2016	23:48: 0.2	6.80	-73.16	148	1.8	0.3	134	14	LOS SANTOS (SANTANDER)
373	Mar 13 2016	00:08:10.7	6.78	-73.16	144	1.5	0.2	135	13	LOS SANTOS (SANTANDER)
374	Mar 13 2016	00:21: 8.9	6.95	-76.28	Sup	1.5	0.3	238	12	DABEIBA (ANTIOQUIA)
375	Mar 13 2016	00:53:12.8	6.88	-73.17	136	1.1	0.3	128	8	BETULIA (SANTANDER)
376	Mar 13 2016	01:00:57.4	5.21	-73.76	144	1.6	0.4	131	12	CUCUNUBA (CUNDINAMARCA)
377	Mar 13 2016	01:18:32.9	6.81	-73.16	137	1.9	0.3	134	15	LOS SANTOS (SANTANDER)
378	Mar 13 2016	01:34:30.0	6.81	-73.17	152	1.3	0.2	144	10	LOS SANTOS (SANTANDER)
379	Mar 13 2016	02:29:42.1	9.89	-73.02	Sup	2.5	0.4	160	12	AGUSTIN CODAZZI (CESAR)
380	Mar 13 2016	02:48:44.7	6.80	-73.16	141	2.9	0.3	111	23	LOS SANTOS (SANTANDER)
381	Mar 13 2016	03:15:16.8	5.98	-73.69	123	0.7	0.1	125	7	GUAVATA (SANTANDER)
382	Mar 13 2016	03:26:56.1	6.80	-73.14	140	1.4	0.3	137	12	LOS SANTOS (SANTANDER)
383	Mar 13 2016	03:59:16.8	3.78	-71.37	Sup	2.0	0.4	235	11	PUERTO GAITAN (META)
384	Mar 13 2016	04:32:31.0	10.21	-74.99	27	2.5	0.4	190	17	ARROYOHONDO (BOLIVAR)
385	Mar 13 2016	04:41:18.9	6.93	-76.72	61	1.9	0.3	152	7	MURINDO (ANTIOQUIA)
386	Mar 13 2016	04:42:13.2	5.60	-73.09	Sup	1.7	0.5	144	16	PESCA (BOYACA)
387	Mar 13 2016	04:52:14.9	5.13	-78.30	60	2.2	0.4	249	26	O. PACIFICO CENTRO
388	Mar 13 2016	04:59:54.8	5.93	-72.53	Sup	1.1	0.4	167	13	SOCOTA (BOYACA)
389	Mar 13 2016	05:08:23.9	10.34	-72.89	Sup	1.8	0.2	190	8	FRONTERA CON VENEZUELA
390	Mar 13 2016	05:40: 8.4	6.79	-73.15	149	1.8	0.3	136	15	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
391	Mar 13 2016	05:44: 9.5	6.77	-73.17	137	1.0	0.3	133	11	LOS SANTOS (SANTANDER)
392	Mar 13 2016	06:22:27.3	3.96	-71.48	Sup	1.7	0.3	281	10	PUERTO GAITAN (META)
393	Mar 13 2016	06:49:42.7	4.78	-76.18	106	1.4	0.1	130	10	EL CAIRO (VALLE)
394	Mar 13 2016	06:53:56.7	7.17	-75.86	28	1.6	0.4	181	12	ITUANGO (ANTIOQUIA)
395	Mar 13 2016	07:03:10.1	6.74	-73.20	135	1.1	0.3	130	11	VILLANUEVA (SANTANDER)
396	Mar 13 2016	07:05:15.2	7.67	-73.73	27	2.1	0.4	71	21	SAN PABLO (BOLIVAR)
397	Mar 13 2016	07:06:57.4	5.42	-73.80	138	2.0	0.4	118	22	FUQUENE (CUNDINAMARCA)
398	Mar 13 2016	07:08: 1.1	5.70	-73.96	115	1.1	0.2	109	10	TUNUNGUA (BOYACA)
399	Mar 13 2016	07:15:35.1	6.56	-73.45	117	1.1	0.1	136	10	EL CARMEN (SANTANDER)
400	Mar 13 2016	07:48: 8.7	7.59	-73.07	149	1.4	0.3	145	11	CACHIRA (N.SANTANDER)
401	Mar 13 2016	07:54: 7.4	6.82	-73.15	148	1.1	0.2	134	11	LOS SANTOS (SANTANDER)
402	Mar 13 2016	08:05:26.4	6.78	-73.15	140	1.5	0.2	140	9	LOS SANTOS (SANTANDER)
403	Mar 13 2016	08:13:28.9	6.84	-73.13	149	2.2	0.6	70	44	LOS SANTOS (SANTANDER)
404	Mar 13 2016	08:15:41.8	2.02	-75.56	Sup	1.2	0.5	166	10	GARZON (HUILA)
405	Mar 13 2016	08:15:45.2	6.82	-74.23	61	1.3	0.3	115	9	PUERTO PARRA (SANTANDER)
406	Mar 13 2016	09:04:36.7	6.81	-73.15	140	1.9	0.4	70	29	LOS SANTOS (SANTANDER)
407	Mar 13 2016	09:50:29.2	6.81	-73.18	143	1.8	0.4	131	24	ZAPATOCA (SANTANDER)
408	Mar 13 2016	11:26:15.0	6.83	-73.18	146	1.2	0.4	277	10	ZAPATOCA (SANTANDER)
409	Mar 13 2016	11:49:15.9	6.81	-73.20	142	1.4	0.1	146	10	ZAPATOCA (SANTANDER)
410	Mar 13 2016	12:01:48.3	6.79	-73.13	133	1.6	0.4	138	16	LOS SANTOS (SANTANDER)
411	Mar 13 2016	12:15:59.1	2.00	-75.84	Sup	1.0	0.3	124	8	SUAZA (HUILA)
412	Mar 13 2016	12:33:19.5	6.78	-73.16	138	1.9	0.4	135	16	LOS SANTOS (SANTANDER)
413	Mar 13 2016	12:48:34.3	6.81	-73.19	146	1.4	0.2	275	8	ZAPATOCA (SANTANDER)
414	<u>Mar 13 2016</u>	<u>13:17:46.3</u>	<u>3.50</u>	<u>-74.57</u>	<u>Sup</u>	<u>4.0*</u>	<u>0.5</u>	<u>58</u>	<u>75</u>	<u>COLOMBIA (HUILA)</u>
415	Mar 13 2016	15:23:36.8	6.81	-73.13	148	2.5	0.5	71	40	LOS SANTOS (SANTANDER)
416	Mar 13 2016	19:08:22.4	6.76	-73.18	144	1.4	0.1	140	7	LOS SANTOS (SANTANDER)
417	Mar 13 2016	19:17:58.5	6.47	-73.72	40	2.0	0.4	61	28	SANTA HELENA DEL OPO (SANTANDER)
418	Mar 13 2016	19:22: 7.6	10.12	-72.94	Sup	2.3	0.4	161	14	MANAURE BALCON CESAR (CESAR)
419	Mar 13 2016	19:37:23.0	6.80	-73.14	141	2.0	0.3	71	24	LOS SANTOS (SANTANDER)
420	Mar 13 2016	20:01:42.6	4.48	-75.78	152	1.6	0.5	82	20	LA TEBAIDA (QUINDIO)
421	Mar 13 2016	20:11:33.1	6.83	-73.16	147	2.3	0.5	132	29	LOS SANTOS (SANTANDER)
422	Mar 13 2016	20:17:19.0	0.23	-77.80	Sup	2.5	0.5	219	14	FRONTERA CON ECUADOR
423	Mar 13 2016	20:21:10.2	6.92	-76.68	Sup	2.0	0.4	133	22	MURINDO (ANTIOQUIA)
424	Mar 13 2016	20:31:26.1	6.79	-73.20	139	2.2	0.3	130	32	ZAPATOCA (SANTANDER)
425	<u>Mar 13 2016</u>	<u>20:43:13.4</u>	<u>7.22</u>	<u>-78.13</u>	<u>Sup</u>	<u>4.1*</u>	<u>0.6</u>	<u>156</u>	<u>84</u>	<u>O. PACIFICO NORTE</u>
426	Mar 13 2016	21:32:59.8	6.90	-73.21	131	2.1	0.5	65	27	BETULIA (SANTANDER)
427	Mar 13 2016	21:56: 3.8	6.12	-73.80	98	1.6	0.4	90	16	EL PENON (SANTANDER)
428	Mar 13 2016	22:21:55.7	3.76	-76.99	10	1.5	0.3	265	8	BUENAVENTURA (VALLE)
429	Mar 13 2016	22:32:53.3	5.86	-72.54	Sup	1.2	0.4	230	8	PISVA (BOYACA)
430	Mar 13 2016	23:54:19.7	6.10	-73.77	101	1.6	0.4	99	21	EL PENON (SANTANDER)
431	Mar 14 2016	00:23:36.8	6.82	-73.16	144	1.8	0.4	133	21	LOS SANTOS (SANTANDER)
432	Mar 14 2016	01:26:39.3	6.63	-73.55	104	1.8	0.4	53	22	EL CARMEN (SANTANDER)
433	Mar 14 2016	01:31:27.1	4.92	-75.35	Sup	1.6	0.4	137	16	MURILLO (TOLIMA)
434	Mar 14 2016	01:35:53.3	8.08	-75.05	23	1.6	0.3	148	10	CAUCASIA (ANTIOQUIA)
435	Mar 14 2016	01:38:20.1	6.82	-73.22	136	1.3	0.3	124	6	ZAPATOCA (SANTANDER)
436	Mar 14 2016	02:06:21.7	6.81	-73.15	138	2.4	0.4	70	44	LOS SANTOS (SANTANDER)
437	Mar 14 2016	03:48: 6.8	6.87	-73.13	140	1.5	0.4	247	13	LOS SANTOS (SANTANDER)
438	Mar 14 2016	04:13:20.7	3.57	-76.24	24	2.0	0.5	143	32	PALMIRA (VALLE)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
439	Mar 14 2016	05:16:26.4	6.80	-73.17	141	1.8	0.3	133	17	LOS SANTOS (SANTANDER)
440	Mar 14 2016	06:07:11.2	6.75	-73.13	138	1.5	0.4	140	14	LOS SANTOS (SANTANDER)
441	Mar 14 2016	06:08:40.9	5.74	-77.86	16	1.9	0.5	244	20	O. PACIFICO NORTE
442	Mar 14 2016	06:53: 0.3	4.20	-75.49	Sup	1.3	0.5	121	19	RONCESVALLES (TOLIMA)
443	Mar 14 2016	06:55:25.7	3.85	-71.43	Sup	2.3	0.5	231	14	PUERTO GAITAN (META)
444	Mar 14 2016	07:05:29.7	6.81	-73.21	135	1.5	0.5	126	15	ZAPATOCA (SANTANDER)
445	Mar 14 2016	07:17:57.4	10.16	-73.10	122	2.3	0.5	82	22	SAN DIEGO (CESAR)
446	Mar 14 2016	08:23:10.8	6.82	-73.19	137	1.2	0.2	129	14	ZAPATOCA (SANTANDER)
447	Mar 14 2016	09:25:47.9	6.78	-73.16	142	1.3	0.4	135	18	LOS SANTOS (SANTANDER)
448	Mar 14 2016	09:48:44.1	6.80	-73.13	147	1.4	0.4	137	12	LOS SANTOS (SANTANDER)
449	Mar 14 2016	10:35: 9.1	5.78	-73.75	119	1.0	0.3	168	7	SABOYA (BOYACA)
450	Mar 14 2016	11:06:46.1	2.88	-76.94	86	0.8	0.1	233	8	SUAREZ (CAUCA)
451	Mar 14 2016	11:26:22.9	6.81	-73.17	146	1.6	0.2	132	13	LOS SANTOS (SANTANDER)
452	Mar 14 2016	11:51:12.5	6.56	-73.56	105	1.3	0.3	103	11	EL CARMEN (SANTANDER)
453	Mar 14 2016	12:54:16.6	6.82	-73.19	144	1.4	0.1	147	8	ZAPATOCA (SANTANDER)
454	Mar 14 2016	13:06:55.4	6.84	-73.16	137	1.6	0.3	147	10	LOS SANTOS (SANTANDER)
455	Mar 14 2016	13:13:37.8	6.69	-72.79	129	1.3	0.4	191	8	MOLAGAVITA (SANTANDER)
456	Mar 14 2016	13:18: 5.7	6.81	-73.18	146	1.5	0.2	144	12	ZAPATOCA (SANTANDER)
457	Mar 14 2016	13:40: 4.5	2.44	-75.53	21	1.4	0.4	159	11	GIGANTE (HUILA)
458	Mar 14 2016	14:45:15.7	12.23	-73.03	20	3.1	0.1	251	24	MAR CARIBE
459	Mar 14 2016	16:13:47.0	6.78	-73.16	149	1.5	0.2	141	10	LOS SANTOS (SANTANDER)
460	Mar 14 2016	16:15:23.1	6.81	-73.18	135	1.4	0.2	145	10	ZAPATOCA (SANTANDER)
461	Mar 14 2016	16:53:15.6	6.68	-73.12	144	1.5	0.2	144	8	VILLANUEVA (SANTANDER)
462	Mar 14 2016	17:20:22.7	4.76	-76.17	112	1.7	0.3	131	10	EL CAIRO (VALLE)
463	Mar 14 2016	18:03:59.6	6.80	-73.17	140	1.5	0.1	184	9	LOS SANTOS (SANTANDER)
464	Mar 14 2016	18:34: 8.7	6.78	-73.17	136	1.3	0.2	141	7	LOS SANTOS (SANTANDER)
465	Mar 14 2016	19:51:39.0	6.78	-73.14	144	2.3	0.2	137	18	LOS SANTOS (SANTANDER)
466	Mar 14 2016	21:08:50.8	6.80	-73.12	141	2.1	0.5	127	13	LOS SANTOS (SANTANDER)
467	Mar 14 2016	22:11:40.2	6.77	-73.18	148	1.8	0.3	133	14	LOS SANTOS (SANTANDER)
468	Mar 14 2016	22:30:31.3	6.85	-73.16	147	3.0	0.6	68	53	ZAPATOCA (SANTANDER)
469	Mar 15 2016	00:12:24.2	6.62	-73.11	121	1.4	0.4	148	10	CURITI (SANTANDER)
470	Mar 15 2016	00:21:20.3	6.75	-73.17	132	1.1	0.3	138	8	LOS SANTOS (SANTANDER)
471	Mar 15 2016	01:47:54.1	6.82	-73.19	143	1.5	0.2	147	12	ZAPATOCA (SANTANDER)
472	Mar 15 2016	02:18:27.8	7.41	-74.59	46	1.2	0.3	205	8	EL BAGRE (ANTIOQUIA)
473	Mar 15 2016	02:46:24.7	6.80	-73.15	143	1.5	0.4	142	12	LOS SANTOS (SANTANDER)
474	Mar 15 2016	02:55:42.2	6.81	-76.04	Sup	0.7	0.4	142	8	CANASGORDAS (ANTIOQUIA)
475	Mar 15 2016	03:27:19.9	6.82	-73.21	143	1.6	0.2	126	13	ZAPATOCA (SANTANDER)
476	Mar 15 2016	04:11: 8.0	6.88	-73.38	119	1.4	0.4	89	15	SAN VICENTE DE CHUCURI (SANTANDER)
477	Mar 15 2016	04:41:48.4	2.38	-75.67	Sup	3.4	0.5	53	59	TESALIA (HUILA)
478	Mar 15 2016	04:58:46.5	8.25	-72.18	11	1.3	0.1	159	10	FRONTERA CON VENEZUELA
479	Mar 15 2016	05:18: 6.8	6.85	-73.16	136	1.4	0.5	132	13	ZAPATOCA (SANTANDER)
480	Mar 15 2016	06:19:48.5	5.52	-73.86	121	1.5	0.5	107	14	SIMIJACA (CUNDINAMARCA)
481	Mar 15 2016	06:50:29.7	7.25	-76.33	18	2.2	0.4	205	33	MUTATA (ANTIOQUIA)
482	Mar 15 2016	08:43: 8.7	6.79	-73.17	144	2.0	0.4	133	31	LOS SANTOS (SANTANDER)
483	Mar 15 2016	08:45:16.7	6.79	-73.15	140	1.8	0.4	136	21	LOS SANTOS (SANTANDER)
484	Mar 15 2016	08:49:21.1	4.68	-76.16	97	1.4	0.4	139	8	ARGELIA (VALLE)
485	Mar 15 2016	09:25:44.9	2.39	-75.67	Sup	1.7	0.4	82	18	TESALIA (HUILA)
486	Mar 15 2016	09:56:22.9	6.81	-73.19	137	1.1	0.3	130	14	ZAPATOCA (SANTANDER)
487	Mar 15 2016	10:25:30.6	6.81	-73.19	140	1.6	0.3	130	14	ZAPATOCA (SANTANDER)
488	Mar 15 2016	11:44:19.9	6.82	-73.21	138	1.6	0.2	126	13	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
489	Mar 15 2016	11:56:47.2	10.91	-73.65	52	1.9	0.1	149	8	PUEBLO BELLO (CESAR)
490	Mar 15 2016	11:57:51.6	6.80	-73.17	144	2.3	0.3	109	20	LOS SANTOS (SANTANDER)
491	Mar 15 2016	12:35:34.2	6.82	-73.35	122	1.7	0.2	118	12	SAN VICENTE DE CHUCURI (SANTANDER)
492	Mar 15 2016	13:26:56.1	5.40	-73.78	135	1.8	0.2	121	12	FUQUENE (CUNDINAMARCA)
493	Mar 15 2016	14:20:51.2	6.79	-73.18	143	1.9	0.2	132	12	ZAPATOCA (SANTANDER)
494	Mar 15 2016	14:35:50.2	6.51	-73.60	107	1.4	0.1	167	8	SANTA HELENA DEL OPON (SANTANDER)
495	Mar 15 2016	14:46:28.7	3.72	-76.74	Sup	2.0	0.3	205	8	DAGUA (VALLE)
496	Mar 15 2016	15:18:34.7	7.63	-73.40	Sup	1.7	0.5	208	9	LA ESPERANZA (N.SANTANDER)
497	Mar 15 2016	15:42:45.1	6.08	-73.74	110	1.3	0.2	111	7	EL PENON (SANTANDER)
498	Mar 15 2016	16:00:21.1	6.75	-73.15	145	1.4	0.2	241	7	LOS SANTOS (SANTANDER)
499	Mar 15 2016	16:26:45.2	6.80	-73.17	137	1.8	0.3	133	14	LOS SANTOS (SANTANDER)
500	Mar 15 2016	16:42:15.5	6.78	-73.16	149	1.4	0.1	141	8	LOS SANTOS (SANTANDER)
501	Mar 15 2016	17:47:43.4	6.81	-73.18	144	1.1	0.3	144	8	ZAPATOCA (SANTANDER)
502	Mar 15 2016	18:00:39.8	8.58	-74.05	22	2.0	0.2	117	10	ARENAL (BOLIVAR)
503	Mar 15 2016	21:15: 1.1	6.82	-73.16	142	2.7	0.5	69	38	LOS SANTOS (SANTANDER)
504	Mar 15 2016	22:27:21.6	6.81	-73.14	147	1.6	0.1	136	8	LOS SANTOS (SANTANDER)
505	Mar 15 2016	23:06:34.3	6.75	-73.19	146	1.6	0.2	133	7	LOS SANTOS (SANTANDER)
506	Mar 16 2016	00:51:39.9	6.82	-73.12	141	1.5	0.4	138	13	LOS SANTOS (SANTANDER)
507	Mar 16 2016	02:00:26.3	6.82	-73.18	141	1.3	0.3	242	11	ZAPATOCA (SANTANDER)
508	Mar 16 2016	02:38:39.5	6.80	-73.19	142	1.1	0.3	145	10	ZAPATOCA (SANTANDER)
509	Mar 16 2016	04:02:59.4	6.79	-73.16	143	1.1	0.5	276	10	LOS SANTOS (SANTANDER)
510	Mar 16 2016	04:05:38.3	6.81	-73.21	140	1.1	0.2	273	9	ZAPATOCA (SANTANDER)
511	Mar 16 2016	04:32: 0.3	2.22	-75.80	Sup	1.5	0.6	123	10	PITAL (HUILA)
512	Mar 16 2016	04:48:17.3	5.79	-73.94	110	0.7	0.3	111	10	FLORIAN (SANTANDER)
513	Mar 16 2016	05:38:39.8	6.80	-73.17	143	1.6	0.2	141	14	LOS SANTOS (SANTANDER)
514	Mar 16 2016	05:48:33.3	5.65	-75.96	40	0.9	0.1	143	7	ANDES (ANTIOQUIA)
515	Mar 16 2016	06:31:44.8	6.82	-73.12	145	2.2	0.6	71	40	LOS SANTOS (SANTANDER)
516	Mar 16 2016	06:50:23.1	5.25	-73.73	147	3.1	0.5	65	58	CUCUNUBA (CUNDINAMARCA)
517	Mar 16 2016	07:17: 2.8	5.35	-76.46	28	1.9	0.5	89	20	BAGADO (CHOCO)
518	Mar 16 2016	07:52:14.2	5.12	-74.97	Sup	0.6	0.4	172	8	FALAN (TOLIMA)
519	Mar 16 2016	08:30: 6.7	6.82	-73.17	141	1.4	0.4	132	17	LOS SANTOS (SANTANDER)
520	Mar 16 2016	08:48:42.5	6.67	-73.12	145	1.1	0.2	183	7	VILLANUEVA (SANTANDER)
521	Mar 16 2016	08:57:37.3	6.77	-73.08	145	1.0	0.4	162	7	LOS SANTOS (SANTANDER)
522	Mar 16 2016	10:47:31.5	6.75	-73.17	130	1.6	0.3	135	15	LOS SANTOS (SANTANDER)
523	Mar 16 2016	10:51:53.2	7.17	-75.83	Sup	2.0	0.2	200	8	ITUANGO (ANTIOQUIA)
524	Mar 16 2016	11:52:28.2	6.67	-73.11	141	1.6	0.2	187	7	VILLANUEVA (SANTANDER)
525	Mar 16 2016	12:23:57.7	6.76	-73.19	141	1.9	0.3	239	14	ZAPATOCA (SANTANDER)
526	Mar 16 2016	12:45:31.1	6.82	-73.34	113	1.5	0.3	118	12	ZAPATOCA (SANTANDER)
527	Mar 16 2016	12:52:33.6	6.54	-73.53	110	1.9	0.2	136	16	EL CARMEN (SANTANDER)
528	Mar 16 2016	13:27:26.5	6.80	-73.16	140	2.1	0.3	134	18	LOS SANTOS (SANTANDER)
529	Mar 16 2016	13:50:50.9	6.82	-73.13	142	1.7	0.3	137	12	LOS SANTOS (SANTANDER)
530	Mar 16 2016	13:58:14.0	6.80	-73.21	139	1.4	0.3	146	10	ZAPATOCA (SANTANDER)
531	Mar 16 2016	14:35:54.1	3.57	-74.43	Sup	1.7	0.1	228	8	URIBE (META)
532	Mar 16 2016	16:17: 9.5	4.27	-77.55	Sup	2.2	0.4	272	11	O. PACIFICO CENTRO
533	Mar 16 2016	16:21:13.1	6.80	-73.17	137	2.0	0.3	132	14	LOS SANTOS (SANTANDER)
534	Mar 16 2016	18:32:44.6	4.37	-76.64	51	2.1	0.3	252	11	SIPI (CHOCO)
535	Mar 16 2016	19:21:18.0	6.79	-73.14	141	2.0	0.3	137	11	LOS SANTOS (SANTANDER)
536	Mar 16 2016	20:22:42.8	6.79	-73.16	144	2.0	0.3	134	19	LOS SANTOS (SANTANDER)
537	Mar 16 2016	20:23:46.9	0.35	-77.13	Sup	3.0	0.5	164	18	FRONTERA CON ECUADOR
538	Mar 16 2016	21:51: 6.9	3.97	-76.36	112	3.5	0.5	123	62	BUGA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
539	Mar 16 2016	21:59:30.3	5.84	-74.82	Sup	1.4	0.4	100	14	PUERTO TRIUNFO (ANTIOQUIA)
540	Mar 16 2016	22:43:18.1	6.86	-73.13	141	2.1	0.5	135	21	LOS SANTOS (SANTANDER)
541	Mar 17 2016	00:12:57.4	6.77	-73.14	140	1.8	0.4	137	16	LOS SANTOS (SANTANDER)
542	Mar 17 2016	00:22:23.7	9.56	-74.26	80	2.1	0.5	113	23	NUEVA GRANADA (MAGDALENA)
543	Mar 17 2016	01:14:12.3	6.82	-73.15	138	1.6	0.6	134	16	LOS SANTOS (SANTANDER)
544	Mar 17 2016	01:29:3.3	6.38	-73.57	100	2.2	0.5	57	39	SANTA HELENA DEL OPON (SANTANDER)
545	Mar 17 2016	01:59:18.2	6.81	-73.16	141	1.9	0.3	133	25	LOS SANTOS (SANTANDER)
546	Mar 17 2016	02:06:34.7	11.55	-72.44	22	2.6	0.2	214	9	MANAURE BALCON CESAR (CESAR)
547	Mar 17 2016	02:20:25.6	6.81	-73.17	150	3.9	0.5	53	72	LOS SANTOS (SANTANDER)
548	Mar 17 2016	03:03:41.6	6.96	-76.62	Sup	2.2	0.5	263	22	MURINDO (ANTIOQUIA)
549	Mar 17 2016	03:41:8.5	6.42	-73.66	100	1.7	0.3	121	11	SANTA HELENA DEL OPON (SANTANDER)
550	Mar 17 2016	04:59:0.9	6.75	-73.15	143	1.6	0.4	137	12	LOS SANTOS (SANTANDER)
551	Mar 17 2016	05:28:34.8	6.74	-73.17	132	1.1	0.2	138	7	VILLANUEVA (SANTANDER)
552	Mar 17 2016	06:14:50.6	5.40	-72.63	Sup	1.2	0.4	200	11	PAJARITO (BOYACA)
553	Mar 17 2016	06:53:33.3	6.84	-73.16	143	1.3	0.5	132	15	LOS SANTOS (SANTANDER)
554	Mar 17 2016	07:44:33.5	6.83	-73.19	138	1.4	0.4	129	11	ZAPATOCA (SANTANDER)
555	Mar 17 2016	08:15:42.9	6.82	-77.57	31	1.4	0.4	159	10	JURADO (CHOCO)
556	Mar 17 2016	08:12:35.0	8.28	-73.61	89	1.7	0.4	203	14	AGUACHICA (CESAR)
557	Mar 17 2016	08:24:11.4	6.84	-73.23	134	1.4	0.4	124	13	ZAPATOCA (SANTANDER)
558	Mar 17 2016	08:46:2.3	5.52	-74.45	Sup	4.1*	0.5	45	83	YACOPI (CUNDINAMARCA)
559	Mar 17 2016	08:57:22.3	6.79	-73.14	142	2.6	0.4	71	44	LOS SANTOS (SANTANDER)
560	Mar 17 2016	10:23:20.3	5.53	-74.45	7	1.3	0.3	141	11	YACOPI (CUNDINAMARCA)
561	Mar 17 2016	10:48:34.9	6.85	-73.12	146	1.2	0.3	247	8	LOS SANTOS (SANTANDER)
562	Mar 17 2016	11:00:16.8	6.76	-73.18	139	1.3	0.3	133	13	LOS SANTOS (SANTANDER)
563	Mar 17 2016	11:01:22.7	6.80	-73.16	142	1.8	0.3	134	16	LOS SANTOS (SANTANDER)
564	Mar 17 2016	11:20:54.5	6.79	-73.22	139	1.4	0.2	146	10	ZAPATOCA (SANTANDER)
565	Mar 17 2016	11:49:38.1	6.78	-73.19	139	1.7	0.2	131	11	ZAPATOCA (SANTANDER)
566	Mar 17 2016	12:03:59.7	7.25	-74.13	Sup	2.4	0.3	111	18	PUERTO WILCHES (SANTANDER)
567	Mar 17 2016	12:45:49.4	6.80	-73.15	146	2.3	0.3	136	18	LOS SANTOS (SANTANDER)
568	Mar 17 2016	13:02:7.1	6.81	-73.18	142	1.5	0.3	145	12	ZAPATOCA (SANTANDER)
569	Mar 17 2016	13:55:52.9	6.79	-73.19	140	1.8	0.3	144	12	ZAPATOCA (SANTANDER)
570	Mar 17 2016	14:09:41.1	6.80	-73.17	143	1.9	0.3	132	16	LOS SANTOS (SANTANDER)
571	Mar 17 2016	14:14:39.9	6.79	-73.16	141	1.9	0.2	134	16	LOS SANTOS (SANTANDER)
572	Mar 17 2016	14:50:31.7	5.55	-74.03	107	1.2	0.2	109	8	MARIPI (BOYACA)
573	Mar 17 2016	16:19:48.7	4.62	-76.24	131	1.6	0.2	164	9	VERSALLES (VALLE)
574	Mar 17 2016	16:30:35.5	6.79	-73.15	143	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
575	Mar 17 2016	16:34:30.3	6.77	-73.13	142	2.0	0.3	140	16	LOS SANTOS (SANTANDER)
576	Mar 17 2016	16:37:14.9	4.41	-76.18	101	1.6	0.3	148	12	ROLDANILLO (VALLE)
577	Mar 17 2016	17:11:11.8	6.77	-73.15	145	1.7	0.3	243	14	LOS SANTOS (SANTANDER)
578	Mar 17 2016	18:04:16.1	3.87	-71.43	Sup	2.2	0.5	284	14	PUERTO GAITAN (META)
579	Mar 17 2016	18:21:16.5	6.30	-72.33	Sup	1.8	0.5	144	11	EL COCUY (BOYACA)
580	Mar 17 2016	20:24:38.7	6.77	-73.15	135	1.9	0.4	137	18	LOS SANTOS (SANTANDER)
581	Mar 17 2016	20:51:37.2	6.76	-73.14	138	1.8	0.4	139	10	LOS SANTOS (SANTANDER)
582	Mar 17 2016	20:55:29.7	4.77	-76.19	99	2.2	0.5	133	19	EL CAIRO (VALLE)
583	Mar 17 2016	21:13:23.9	5.53	-74.45	Sup	1.9	0.4	73	20	YACOPI (CUNDINAMARCA)
584	Mar 17 2016	21:20:41.7	6.78	-73.15	146	2.0	0.3	136	16	LOS SANTOS (SANTANDER)
585	Mar 17 2016	21:24:18.1	6.57	-73.39	76	1.2	0.4	134	6	HATO (SANTANDER)
586	Mar 17 2016	22:42:15.1	6.79	-73.14	150	1.4	0.2	137	9	LOS SANTOS (SANTANDER)
587	Mar 17 2016	22:59:14.5	6.84	-73.14	148	3.1	0.5	70	62	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
588	Mar 18 2016	00:45: 4.7	6.81	-73.17	144	2.5	0.3	69	48	LOS SANTOS (SANTANDER)
589	Mar 18 2016	03:13:25.7	6.80	-73.17	142	1.5	0.3	276	9	LOS SANTOS (SANTANDER)
590	Mar 18 2016	03:28:56.6	6.78	-73.17	133	1.5	0.5	133	15	LOS SANTOS (SANTANDER)
591	Mar 18 2016	03:32:26.9	6.85	-73.16	149	2.9	0.6	52	56	ZAPATOCA (SANTANDER)
592	Mar 18 2016	03:43:49.4	6.30	-73.73	40	0.9	0.2	194	8	LANDAZURI (SANTANDER)
593	Mar 18 2016	04:15:33.9	8.31	-74.25	27	1.5	0.2	167	8	MONTECRISTO (BOLIVAR)
594	Mar 18 2016	04:22: 2.8	2.77	-79.55	Sup	1.7	0.2	322	8	O. PACIFICO SUR
595	Mar 18 2016	04:52:55.4	6.91	-72.96	120	1.4	0.3	259	7	SANTA BARBARA (SANTANDER)
596	Mar 18 2016	05:00:34.3	10.35	-73.36	94	1.9	0.4	142	8	SAN DIEGO (CESAR)
597	Mar 18 2016	05:29:10.6	6.82	-73.15	140	1.7	0.3	182	16	LOS SANTOS (SANTANDER)
598	Mar 18 2016	05:36:12.6	5.97	-75.80	16	1.6	0.4	126	14	VENECIA (ANTIOQUIA)
599	Mar 18 2016	05:41:23.3	6.80	-73.16	143	1.8	0.3	135	16	LOS SANTOS (SANTANDER)
600	Mar 18 2016	06:33: 8.0	6.98	-76.11	17	1.7	0.5	189	16	URAMITA (ANTIOQUIA)
601	Mar 18 2016	07:06: 9.3	3.80	-71.53	Sup	1.8	0.6	227	8	PUERTO GAITAN (META)
602	Mar 18 2016	07:33:12.4	6.81	-73.18	135	1.4	0.2	136	11	ZAPATOCA (SANTANDER)
603	Mar 18 2016	07:37:42.3	6.80	-73.21	134	1.1	0.4	146	8	ZAPATOCA (SANTANDER)
604	Mar 18 2016	07:40:14.3	7.60	-75.30	27	1.4	0.4	120	12	CACERES (ANTIOQUIA)
605	Mar 18 2016	07:56:40.8	6.73	-73.12	139	1.3	0.4	275	8	JORDAN (SANTANDER)
606	Mar 18 2016	08:08: 2.1	6.73	-75.84	17	1.3	0.3	186	11	LIBORINA (ANTIOQUIA)
607	Mar 18 2016	08:26:45.5	6.79	-73.19	137	1.3	0.2	144	11	ZAPATOCA (SANTANDER)
608	Mar 18 2016	09:15:16.1	6.80	-73.15	143	2.0	0.3	65	38	LOS SANTOS (SANTANDER)
609	Mar 18 2016	09:51: 2.7	6.73	-73.14	152	1.9	0.5	165	18	LOS SANTOS (SANTANDER)
610	Mar 18 2016	09:56:52.2	6.87	-73.13	148	1.4	0.4	185	14	LOS SANTOS (SANTANDER)
611	Mar 18 2016	10:06:38.7	6.78	-73.17	144	1.6	0.2	242	10	LOS SANTOS (SANTANDER)
612	Mar 18 2016	10:15:20.7	6.49	-74.23	34	1.1	0.3	172	8	PUERTO BERRIO (ANTIOQUIA)
613	Mar 18 2016	10:18:10.9	6.18	-76.64	30	1.4	0.2	223	13	MEDIO ATRATO (CHOCO)
614	Mar 18 2016	11:01:41.9	6.81	-73.17	143	1.7	0.2	133	9	LOS SANTOS (SANTANDER)
615	Mar 18 2016	12:08:25.6	6.80	-73.09	134	1.7	0.2	143	11	LOS SANTOS (SANTANDER)
616	Mar 18 2016	12:23:12.4	3.81	-71.38	6	2.2	0.2	264	8	PUERTO GAITAN (META)
617	Mar 18 2016	12:32:53.9	6.82	-73.16	146	2.5	0.3	133	26	LOS SANTOS (SANTANDER)
618	Mar 18 2016	13:27:28.1	6.34	-73.72	106	1.5	0.2	90	11	SANTA HELENA DEL OPON (SANTANDER)
619	Mar 18 2016	15:00:55.8	3.82	-71.37	Sup	2.4	0.2	264	9	PUERTO GAITAN (META)
620	Mar 18 2016	15:22: 7.6	6.13	-77.61	9	2.4	0.2	250	8	O. PACIFICO NORTE
621	Mar 18 2016	16:32:22.5	8.34	-75.54	Sup	1.3	0.4	166	8	PLANETA RICA (CORDOBA)
622	Mar 18 2016	17:29:46.3	6.76	-73.13	141	2.1	0.3	140	16	LOS SANTOS (SANTANDER)
623	Mar 18 2016	19:31:57.9	7.53	-73.04	155	1.9	0.3	210	12	EL PLAYON (SANTANDER)
624	Mar 18 2016	19:41:23.4	6.78	-73.15	137	2.2	0.3	136	18	LOS SANTOS (SANTANDER)
625	Mar 18 2016	21:46:29.9	7.32	-74.65	6	1.9	0.4	124	16	SEGOVIA (ANTIOQUIA)
626	Mar 18 2016	23:09: 8.3	6.78	-73.14	139	1.8	0.3	137	14	LOS SANTOS (SANTANDER)
627	Mar 18 2016	23:19: 4.1	6.79	-73.17	149	1.7	0.2	142	8	LOS SANTOS (SANTANDER)
628	Mar 19 2016	00:57:46.1	6.11	-77.64	12	2.3	0.4	232	10	O. PACIFICO NORTE
629	Mar 19 2016	02:09:39.8	6.82	-73.16	142	1.8	0.4	133	22	LOS SANTOS (SANTANDER)
630	Mar 19 2016	02:14:55.4	6.81	-73.23	134	1.1	0.4	149	11	ZAPATOCA (SANTANDER)
631	Mar 19 2016	02:29:54.0	6.78	-73.16	143	1.5	0.3	135	16	LOS SANTOS (SANTANDER)
632	Mar 19 2016	02:55:25.9	6.89	-73.16	138	1.5	0.4	228	10	BETULIA (SANTANDER)
633	Mar 19 2016	04:27: 6.9	11.36	-73.36	31	2.4	0.4	179	25	MAR CARIBE
634	Mar 19 2016	04:41:56.7	4.36	-76.28	77	1.1	0.4	171	10	BOLIVAR (VALLE)
635	Mar 19 2016	05:18:22.2	6.82	-73.14	140	2.0	0.3	70	31	LOS SANTOS (SANTANDER)
636	Mar 19 2016	05:34:45.9	4.19	-76.24	58	1.1	0.4	152	11	RIOFRIO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
637	Mar 19 2016	05:36:50.0	6.78	-73.15	141	1.5	0.3	136	17	LOS SANTOS (SANTANDER)
638	Mar 19 2016	05:43:58.6	1.97	-74.30	Sup	2.3	0.6	122	29	SAN VICENTE DEL CAGUAN (CAQUETA)
639	Mar 19 2016	06:26:26.4	6.78	-73.12	145	1.5	0.4	140	18	LOS SANTOS (SANTANDER)
640	Mar 19 2016	07:28:55.7	6.80	-73.21	137	1.2	0.2	146	10	ZAPATOCA (SANTANDER)
641	Mar 19 2016	07:51:38.0	6.77	-73.15	142	2.2	0.5	65	38	LOS SANTOS (SANTANDER)
642	Mar 19 2016	07:58:35.8	6.78	-73.23	138	1.0	0.4	146	10	ZAPATOCA (SANTANDER)
643	Mar 19 2016	08:17:23.1	6.80	-73.16	138	1.4	0.5	134	13	LOS SANTOS (SANTANDER)
644	Mar 19 2016	09:31:53.6	6.86	-73.18	134	1.5	0.4	180	14	ZAPATOCA (SANTANDER)
645	Mar 19 2016	10:47:15.0	6.80	-73.17	148	1.8	0.2	276	10	LOS SANTOS (SANTANDER)
646	Mar 19 2016	13:14:45.3	6.80	-73.15	142	2.5	0.2	136	18	LOS SANTOS (SANTANDER)
647	Mar 19 2016	17:05:16.7	6.81	-73.15	135	2.8	0.3	70	26	LOS SANTOS (SANTANDER)
648	Mar 19 2016	17:57: 0.5	8.22	-73.63	88	2.0	0.2	130	13	AGUACHICA (CESAR)
649	Mar 19 2016	18:42: 2.6	6.81	-73.18	144	2.1	0.3	132	16	ZAPATOCA (SANTANDER)
650	Mar 19 2016	18:42:57.9	6.78	-73.19	142	2.0	0.3	142	12	ZAPATOCA (SANTANDER)
651	Mar 19 2016	19:43:52.0	6.84	-76.25	Sup	2.1	0.2	209	10	URAMITA (ANTIOQUIA)
652	Mar 19 2016	20:07:25.4	6.80	-73.17	136	1.9	0.3	133	12	LOS SANTOS (SANTANDER)
653	Mar 19 2016	20:42:55.3	6.82	-73.17	145	2.2	0.4	132	20	ZAPATOCA (SANTANDER)
654	Mar 19 2016	21:26:59.9	6.49	-73.68	101	2.1	0.4	70	20	SANTA HELENA DEL OPON (SANTANDER)
655	Mar 19 2016	21:35:57.3	6.82	-73.53	6	2.0	0.5	122	18	SAN VICENTE DE CHUCURI (SANTANDER)
656	Mar 19 2016	22:39: 4.5	1.87	-76.01	Sup	1.3	0.2	187	8	PITALITO (HUILA)
657	Mar 19 2016	22:48:26.0	6.77	-73.16	143	2.0	0.3	135	14	LOS SANTOS (SANTANDER)
658	Mar 19 2016	22:59:43.8	6.80	-73.17	141	1.7	0.1	133	11	LOS SANTOS (SANTANDER)
659	Mar 19 2016	23:19:16.6	5.20	-77.73	26	2.6	0.3	200	23	BAJO BAUDO (CHOCO)
660	Mar 20 2016	01:12:59.9	6.85	-73.18	138	1.6	0.4	130	13	ZAPATOCA (SANTANDER)
661	Mar 20 2016	01:38:23.9	6.85	-73.18	141	1.5	0.4	129	9	ZAPATOCA (SANTANDER)
662	Mar 20 2016	01:51:29.2	5.27	-73.79	142	1.4	0.4	125	12	UBATE (CUNDINAMARCA)
663	Mar 20 2016	03:31:31.3	6.79	-73.14	141	1.7	0.3	137	16	LOS SANTOS (SANTANDER)
664	Mar 20 2016	04:17:40.6	6.79	-73.18	142	1.8	0.3	133	18	LOS SANTOS (SANTANDER)
665	Mar 20 2016	04:23:18.6	6.83	-73.18	144	2.0	0.3	130	23	ZAPATOCA (SANTANDER)
666	Mar 20 2016	04:50:56.0	5.28	-76.49	46	1.1	0.3	227	10	TADO (CHOCO)
667	Mar 20 2016	05:04:36.4	6.81	-73.17	142	1.8	0.4	180	16	LOS SANTOS (SANTANDER)
668	Mar 20 2016	05:06:31.0	6.79	-73.22	134	1.3	0.3	270	8	ZAPATOCA (SANTANDER)
669	Mar 20 2016	06:36:47.5	6.72	-76.86	62	1.8	0.4	118	18	VIGIA DEL FUERTE (ANTIOQUIA)
670	Mar 20 2016	07:10:55.2	6.60	-75.11	17	1.4	0.7	146	12	CISNEROS (ANTIOQUIA)
671	Mar 20 2016	07:29:41.5	6.78	-73.15	142	1.5	0.4	136	10	LOS SANTOS (SANTANDER)
672	Mar 20 2016	07:46: 4.5	6.80	-73.13	148	1.8	0.3	184	18	LOS SANTOS (SANTANDER)
673	Mar 20 2016	08:08: 9.3	10.19	-73.02	118	2.0	0.5	179	10	MANAURE BALCON CESAR (CESAR)
674	Mar 20 2016	10:10:20.1	0.24	-77.82	Sup	1.8	0.4	172	9	FRONTERA CON ECUADOR
675	Mar 20 2016	10:13: 6.7	0.28	-77.84	Sup	2.5	0.3	167	11	FRONTERA CON ECUADOR
676	Mar 20 2016	12:09:12.7	6.80	-73.12	139	1.6	0.3	185	8	LOS SANTOS (SANTANDER)
677	Mar 20 2016	12:52: 4.1	5.68	-77.46	17	2.1	0.3	176	11	O. PACIFICO NORTE
678	Mar 20 2016	12:59: 0.1	6.86	-73.17	138	1.3	0.1	279	7	ZAPATOCA (SANTANDER)
679	Mar 20 2016	13:21:55.4	6.79	-73.16	141	3.1	0.4	70	42	LOS SANTOS (SANTANDER)
680	Mar 20 2016	13:45:21.8	5.28	-73.75	144	1.6	0.2	131	11	CUCUNUBA (CUNDINAMARCA)
681	Mar 20 2016	15:02:49.0	6.82	-73.18	141	2.0	0.3	130	13	ZAPATOCA (SANTANDER)
682	Mar 20 2016	16:31:48.3	9.62	-73.38	120	2.5	0.5	118	22	LA JAGUA DE IBIRICO (CESAR)
683	Mar 20 2016	16:50: 1.3	3.81	-71.46	Sup	2.1	0.4	230	11	PUERTO GAITAN (META)
684	Mar 20 2016	18:44:51.0	10.55	-73.48	70	1.7	0.2	113	9	PUEBLO BELLO (CESAR)
685	Mar 20 2016	19:36:57.8	6.78	-73.18	137	1.7	0.3	132	11	ZAPATOCA (SANTANDER)
686	Mar 20 2016	20:26:55.0	6.82	-73.52	Sup	1.8	0.4	121	14	SAN VICENTE DE CHUCURI (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
687	Mar 20 2016	21:07:21.2	5.57	-73.87	130	1.2	0.2	121	7	CALDAS (BOYACA)
688	Mar 20 2016	21:17:23.5	3.97	-76.26	115	1.4	0.3	103	8	SAN PEDRO (VALLE)
689	Mar 21 2016	01:30:59.3	6.79	-73.14	140	1.8	0.4	137	25	LOS SANTOS (SANTANDER)
690	Mar 21 2016	01:53:31.7	6.80	-76.83	7	1.5	0.4	250	14	MURINDO (ANTIOQUIA)
691	Mar 21 2016	03:09:25.6	5.77	-77.58	38	2.0	0.4	187	21	O.PACIFICO NORTE
692	Mar 21 2016	03:12:41.3	6.69	-74.58	9	1.7	0.5	76	29	VEGACHI (ANTIOQUIA)
693	Mar 21 2016	03:32:41.0	6.79	-73.13	148	2.4	0.5	54	48	LOS SANTOS (SANTANDER)
694	Mar 21 2016	03:50:55.6	6.84	-73.00	156	1.3	0.4	220	14	CEPITA (SANTANDER)
695	Mar 21 2016	05:32:18.1	6.80	-73.14	145	1.6	0.4	137	22	LOS SANTOS (SANTANDER)
696	Mar 21 2016	05:46:21.9	6.84	-73.11	149	1.5	0.5	187	15	LOS SANTOS (SANTANDER)
697	Mar 21 2016	06:02:37.5	6.78	-73.17	134	1.3	0.3	180	8	LOS SANTOS (SANTANDER)
698	Mar 21 2016	06:03:47.9	4.04	-75.81	6	1.1	0.2	107	10	GENOVA (QUINDIO)
699	Mar 21 2016	06:05:53.7	6.82	-73.14	146	1.9	0.5	70	34	LOS SANTOS (SANTANDER)
700	Mar 21 2016	07:11: 3.5	0.67	-77.26	Sup	1.9	0.1	291	10	CORDOBA (NARINO)
701	Mar 21 2016	07:37: 3.4	6.82	-73.14	140	2.6	0.4	70	58	LOS SANTOS (SANTANDER)
702	Mar 21 2016	07:41:22.7	6.80	-73.18	148	1.3	0.3	179	10	ZAPATOCA (SANTANDER)
703	Mar 21 2016	08:06:58.9	6.81	-73.15	141	1.8	0.4	70	29	LOS SANTOS (SANTANDER)
704	Mar 21 2016	09:25:59.3	6.81	-73.14	145	2.0	0.5	55	41	LOS SANTOS (SANTANDER)
705	Mar 21 2016	09:34:14.6	6.83	-73.13	136	1.2	0.4	260	8	LOS SANTOS (SANTANDER)
706	Mar 21 2016	10:26: 8.8	5.43	-72.66	Sup	1.1	0.4	115	14	PAJARITO (BOYACA)
707	Mar 21 2016	10:36: 0.2	6.79	-73.13	142	2.2	0.4	138	31	LOS SANTOS (SANTANDER)
708	Mar 21 2016	10:48:34.2	6.80	-73.16	142	1.9	0.4	133	24	LOS SANTOS (SANTANDER)
709	Mar 21 2016	10:58:58.5	7.14	-74.55	11	1.7	0.3	205	14	SEGOVIA (ANTIOQUIA)
710	Mar 21 2016	13:34:14.4	6.77	-73.14	140	2.0	0.5	137	22	LOS SANTOS (SANTANDER)
711	Mar 21 2016	14:35:38.5	6.76	-73.15	136	1.4	0.5	137	10	LOS SANTOS (SANTANDER)
712	Mar 21 2016	14:50:51.9	4.96	-74.69	17	1.5	0.6	127	18	CHAGUANI (CUNDINAMARCA)
713	Mar 21 2016	14:58:31.0	6.33	-77.56	Sup	1.9	0.5	220	12	O.PACIFICO NORTE
714	Mar 21 2016	16:42: 2.8	10.38	-73.06	16	2.0	0.3	165	8	MANAURE BALCON CESAR (CESAR)
715	Mar 21 2016	16:56:42.9	5.26	-73.77	146	1.5	0.4	128	12	CUCUNUBA (CUNDINAMARCA)
716	Mar 21 2016	17:14:29.9	5.02	-76.28	91	1.2	0.5	194	10	SAN JOSE DEL PALMAR (CHOCO)
717	Mar 21 2016	18:22:39.8	6.73	-73.18	138	1.3	0.1	272	8	VILLANUEVA (SANTANDER)
718	Mar 21 2016	20:28:57.5	6.72	-73.54	109	1.9	0.3	80	13	EL CARMEN (SANTANDER)
719	Mar 21 2016	21:29:40.5	5.24	-77.73	31	1.5	0.2	298	8	O.PACIFICO CENTRO
720	Mar 21 2016	22:42:20.4	6.79	-73.15	140	2.0	0.3	136	18	LOS SANTOS (SANTANDER)
721	Mar 21 2016	23:44:38.7	4.65	-76.08	84	2.1	0.3	120	22	TORO (VALLE)
722	Mar 21 2016	23:58:31.2	6.87	-76.65	Sup	1.8	0.3	148	9	MURINDO (ANTIOQUIA)
723	Mar 22 2016	00:36: 2.8	6.83	-73.50	12	1.3	0.3	190	10	SAN VICENTE DE CHUCURI (SANTANDER)
724	Mar 22 2016	00:51:26.3	7.24	-74.96	31	2.8	0.6	52	53	ANORI (ANTIOQUIA)
725	Mar 22 2016	01:00:11.3	7.59	-73.42	Sup	1.4	0.4	145	8	LA ESPERANZA (N.SANTANDER)
726	Mar 22 2016	01:14:41.6	6.83	-73.12	145	2.9	0.5	53	60	LOS SANTOS (SANTANDER)
727	Mar 22 2016	01:40:43.1	6.38	-74.36	34	1.1	0.2	140	8	PUERTO BERRIO (ANTIOQUIA)
728	Mar 22 2016	02:04:19.8	6.80	-73.16	141	1.7	0.4	134	22	LOS SANTOS (SANTANDER)
729	Mar 22 2016	02:20:57.9	6.78	-73.18	145	1.2	0.3	132	11	LOS SANTOS (SANTANDER)
730	Mar 22 2016	02:26:55.1	6.84	-73.15	151	3.5	0.5	52	77	LOS SANTOS (SANTANDER)
731	Mar 22 2016	03:28:15.5	4.40	-76.23	96	2.4	0.5	156	44	BOLIVAR (VALLE)
732	Mar 22 2016	03:45:29.1	5.20	-76.30	88	1.8	0.5	175	27	BAGADO (CHOCO)
733	Mar 22 2016	04:32:28.0	6.89	-73.14	139	1.2	0.2	247	8	PIEDECUESTA (SANTANDER)
734	Mar 22 2016	04:52: 1.2	6.87	-73.31	125	2.0	0.5	50	36	BETULIA (SANTANDER)
735	Mar 22 2016	05:04: 1.8	4.18	-75.95	149	1.3	0.4	93	15	SEVILLA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
736	Mar 22 2016	05:18:56.0	6.29	-73.55	114	1.5	0.4	56	22	EL GUACAMAYO (SANTANDER)
737	Mar 22 2016	05:53:15.9	7.34	-74.87	Sup	1.1	0.4	148	8	ZARAGOZA (ANTIOQUIA)
738	Mar 22 2016	06:12:35.1	7.36	-73.24	127	1.2	0.3	178	8	EL PLAYON (SANTANDER)
739	Mar 22 2016	06:49:39.7	5.42	-73.78	142	2.7	0.5	63	64	FUQUENE (CUNDINAMARCA)
740	Mar 22 2016	06:58:47.4	5.43	-73.78	139	2.5	0.5	70	52	FUQUENE (CUNDINAMARCA)
741	Mar 22 2016	07:02:48.1	5.69	-78.17	32	2.2	0.5	220	18	O.PACIFICO NORTE
742	Mar 22 2016	07:47:41.1	6.78	-73.12	144	2.0	0.5	109	38	LOS SANTOS (SANTANDER)
743	Mar 22 2016	08:00:39.1	3.51	-74.56	Sup	2.7	0.5	79	58	COLOMBIA (HUILA)
744	Mar 22 2016	08:02:41.8	6.15	-73.80	98	1.8	0.4	99	12	LANDAZURI (SANTANDER)
745	Mar 22 2016	08:11:56.1	3.82	-71.31	Sup	2.0	0.4	236	12	PUERTO GAITAN (META)
746	Mar 22 2016	08:49:48.9	6.81	-76.16	Sup	2.1	0.5	190	28	FRONTINO (ANTIOQUIA)
747	Mar 22 2016	08:58:17.1	7.39	-78.10	6	2.1	0.5	167	13	O. PACIFICO NORTE (FRONTERA CON PANAMA)
748	Mar 22 2016	09:07:56.9	7.37	-77.83	Sup	2.0	0.8	139	20	JURADO (CHOCO)
749	Mar 22 2016	09:15:57.7	6.83	-73.15	142	2.4	0.5	56	50	LOS SANTOS (SANTANDER)
750	Mar 22 2016	09:44:43.1	6.82	-73.16	148	1.5	0.4	133	16	LOS SANTOS (SANTANDER)
751	Mar 22 2016	09:58: 0.6	6.79	-73.17	145	1.7	0.4	134	22	LOS SANTOS (SANTANDER)
752	Mar 22 2016	11:09:21.9	6.89	-73.26	116	1.5	0.4	113	12	BETULIA (SANTANDER)
753	Mar 22 2016	12:04:54.4	6.76	-73.16	135	1.9	0.4	135	24	LOS SANTOS (SANTANDER)
754	Mar 22 2016	12:44:50.4	6.82	-73.17	140	2.7	0.5	69	48	ZAPATOCA (SANTANDER)
755	Mar 22 2016	13:11:32.3	6.77	-73.15	138	2.0	0.3	136	16	LOS SANTOS (SANTANDER)
756	Mar 22 2016	14:19:50.2	7.06	-76.17	Sup	2.1	0.5	194	19	DABEIBA (ANTIOQUIA)
757	Mar 22 2016	14:58:37.3	6.77	-73.24	135	1.3	0.3	229	8	ZAPATOCA (SANTANDER)
758	Mar 22 2016	16:48:29.2	6.82	-73.20	144	1.6	0.2	129	14	ZAPATOCA (SANTANDER)
759	Mar 22 2016	17:43:51.8	2.45	-75.40	9	2.0	0.4	158	10	ALGECIRAS (HUILA)
760	Mar 22 2016	17:45:45.6	8.36	-74.12	8	2.2	0.4	133	18	ARENAL (BOLIVAR)
761	Mar 22 2016	18:43:22.5	6.59	-73.54	104	2.9	0.5	52	48	EL CARMEN (SANTANDER)
762	Mar 22 2016	18:55:28.3	6.78	-73.22	138	1.3	0.3	125	10	ZAPATOCA (SANTANDER)
763	Mar 22 2016	19:20: 2.2	6.81	-73.18	143	2.3	0.3	132	23	ZAPATOCA (SANTANDER)
764	Mar 22 2016	20:03:27.7	6.78	-73.15	144	2.0	0.2	136	12	LOS SANTOS (SANTANDER)
765	Mar 22 2016	20:37:45.5	6.83	-73.16	144	3.3	0.4	69	36	LOS SANTOS (SANTANDER)
766	Mar 22 2016	22:21: 8.1	4.85	-76.27	109	1.4	0.2	164	10	EL CAIRO (VALLE)
767	Mar 22 2016	23:43: 4.3	6.77	-73.14	144	1.7	0.2	138	12	LOS SANTOS (SANTANDER)
768	Mar 23 2016	00:10:49.0	8.64	-74.56	7	1.5	0.4	140	8	ACHI (BOLIVAR)
769	Mar 23 2016	00:33:14.3	6.81	-73.17	150	1.5	0.3	243	12	LOS SANTOS (SANTANDER)
770	Mar 23 2016	01:20:29.8	4.16	-75.89	Sup	2.4	0.6	84	47	SEVILLA (VALLE)
771	Mar 23 2016	01:23:29.7	6.84	-73.18	144	1.4	0.2	278	8	ZAPATOCA (SANTANDER)
772	Mar 23 2016	01:25: 1.1	4.17	-75.84	Sup	1.4	0.5	94	18	GENOVA (QUINDIO)
773	Mar 23 2016	02:04:24.6	6.81	-73.18	137	1.9	0.4	131	22	ZAPATOCA (SANTANDER)
774	Mar 23 2016	02:22:29.6	6.82	-73.15	147	2.3	0.5	70	46	LOS SANTOS (SANTANDER)
775	Mar 23 2016	03:45:45.4	7.42	-74.01	12	1.5	0.4	118	14	CANTAGALLO (BOLIVAR)
776	Mar 23 2016	03:59:44.0	6.65	-73.61	102	1.4	0.3	196	8	EL CARMEN (SANTANDER)
777	Mar 23 2016	04:38: 1.2	6.83	-73.12	152	4.0	0.5	53	86	LOS SANTOS (SANTANDER)
778	Mar 23 2016	05:04:51.6	4.94	-74.61	17	1.3	0.6	103	15	CHAGUANI (CUNDINAMARCA)
779	Mar 23 2016	05:07: 5.4	6.79	-73.12	137	1.6	0.3	72	17	LOS SANTOS (SANTANDER)
780	Mar 23 2016	05:21: 1.4	3.82	-75.60	Sup	1.0	0.3	205	8	SAN ANTONIO (TOLIMA)
781	Mar 23 2016	05:22:19.7	6.81	-73.12	146	1.5	0.4	185	13	LOS SANTOS (SANTANDER)
782	Mar 23 2016	06:23:39.3	4.98	-74.69	6	1.0	0.4	164	10	CHAGUANI (CUNDINAMARCA)
783	Mar 23 2016	06:46:50.9	6.85	-73.14	150	3.1	0.6	52	68	LOS SANTOS (SANTANDER)
784	Mar 23 2016	06:49:39.9	6.41	-74.22	62	1.2	0.3	142	10	PUERTO BERRIO (ANTIOQUIA)
785	Mar 23 2016	07:00: 9.5	5.28	-73.78	144	1.2	0.3	147	10	CUCUNUBA (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
786	Mar 23 2016	08:53: 1.3	2.00	-75.73	Sup	1.3	0.5	206	8	GUADALUPE (HUILA)
787	Mar 23 2016	09:08: 6.1	6.77	-73.11	152	1.5	0.5	186	16	LOS SANTOS (SANTANDER)
788	Mar 23 2016	09:58:10.9	6.77	-73.18	146	1.4	0.4	247	8	LOS SANTOS (SANTANDER)
789	Mar 23 2016	10:28: 5.9	6.81	-73.15	142	2.2	0.4	112	32	LOS SANTOS (SANTANDER)
790	Mar 23 2016	10:55:52.2	6.84	-73.17	146	3.3	0.5	68	60	ZAPATOCA (SANTANDER)
791	Mar 23 2016	11:14: 8.8	6.92	-73.09	134	1.6	0.4	251	8	PIEDRECUESTA (SANTANDER)
792	Mar 23 2016	11:28: 8.0	6.04	-72.36	Sup	3.2	0.5	117	47	LA SALINA (CASANARE)
793	Mar 23 2016	11:39:23.2	6.81	-73.31	122	1.4	0.4	216	8	ZAPATOCA (SANTANDER)
794	Mar 23 2016	12:45:28.1	3.44	-76.79	10	1.6	0.4	207	8	DAGUA (VALLE)
795	Mar 23 2016	13:38:14.6	6.76	-73.22	145	1.4	0.4	233	8	ZAPATOCA (SANTANDER)
796	Mar 23 2016	13:42:29.1	3.33	-74.36	Sup	2.3	0.5	116	18	URIBE (META)
797	Mar 23 2016	14:23: 4.4	6.65	-73.50	103	1.2	0.3	159	8	EL CARMEN (SANTANDER)
798	Mar 23 2016	15:48: 1.8	7.12	-77.13	8	2.5	0.5	129	28	RIOSUCIO (CHOCO)
799	Mar 23 2016	17:01:41.5	6.79	-73.15	144	1.9	0.3	135	15	LOS SANTOS (SANTANDER)
800	Mar 23 2016	17:27:18.9	6.78	-73.16	134	1.3	0.3	134	10	LOS SANTOS (SANTANDER)
801	Mar 23 2016	18:25:10.6	4.74	-76.46	79	2.2	0.3	113	17	SIPI (CHOCO)
802	Mar 23 2016	18:37:17.9	6.81	-73.17	142	1.7	0.3	132	11	LOS SANTOS (SANTANDER)
803	Mar 23 2016	18:48:50.3	6.80	-73.19	137	1.2	0.4	130	9	ZAPATOCA (SANTANDER)
804	Mar 23 2016	18:53:59.7	5.04	-73.03	Sup	2.1	0.5	199	24	PAEZ (BOYACA)
805	Mar 23 2016	19:24:30.1	4.44	-76.25	16	2.0	0.5	164	20	EL DOVIO (VALLE)
806	Mar 23 2016	23:22:27.0	6.79	-73.14	148	1.9	0.2	137	20	LOS SANTOS (SANTANDER)
807	Mar 23 2016	23:54:33.2	2.58	-75.45	14	1.5	0.4	168	10	HOBO (HUILA)
808	Mar 23 2016	23:55:21.5	5.41	-73.81	138	2.1	0.3	117	24	FUQUENE (CUNDINAMARCA)
809	Mar 24 2016	00:26:13.2	9.14	-75.19	16	1.6	0.3	129	13	EL ROBLE (SUCRE)
810	Mar 24 2016	00:37:29.7	5.22	-72.98	Sup	1.8	0.6	168	24	SAN EDUARDO (BOYACA)
811	Mar 24 2016	00:49:36.4	6.26	-74.28	9	1.4	0.4	98	15	PUERTO BERRIO (ANTIOQUIA)
812	Mar 24 2016	00:50: 5.9	6.84	-73.20	132	1.9	0.3	241	7	ZAPATOCA (SANTANDER)
813	Mar 24 2016	00:57:58.3	6.83	-73.16	143	1.3	0.4	133	10	LOS SANTOS (SANTANDER)
814	Mar 24 2016	01:17:40.3	6.80	-73.15	142	2.0	0.5	70	31	LOS SANTOS (SANTANDER)
815	Mar 24 2016	01:19:56.1	6.49	-73.59	109	1.3	0.4	134	10	SANTA HELENA DEL OPO (SANTANDER)
816	Mar 24 2016	01:23:48.8	6.80	-73.14	141	1.9	0.4	71	28	LOS SANTOS (SANTANDER)
817	Mar 24 2016	01:40:38.1	6.85	-76.51	47	1.2	0.5	254	10	MURINDO (ANTIOQUIA)
818	Mar 24 2016	01:58:28.8	6.78	-73.15	148	1.4	0.4	137	10	LOS SANTOS (SANTANDER)
819	Mar 24 2016	02:08:43.3	4.85	-76.23	105	1.1	0.2	126	8	EL CAIRO (VALLE)
820	Mar 24 2016	02:16:37.6	6.76	-73.16	139	1.6	0.4	135	12	LOS SANTOS (SANTANDER)
821	Mar 24 2016	02:11:53.6	6.82	-73.14	142	2.2	0.4	71	45	LOS SANTOS (SANTANDER)
822	Mar 24 2016	02:57:10.0	6.84	-73.10	152	2.4	0.6	128	45	LOS SANTOS (SANTANDER)
823	Mar 24 2016	03:23:55.5	4.64	-74.90	9	1.4	0.5	77	21	VENADILLO (TOLIMA)
824	Mar 24 2016	04:18: 7.6	7.00	-77.06	12	1.5	0.3	288	10	MURINDO (ANTIOQUIA)
825	Mar 24 2016	04:44:56.4	6.87	-73.41	120	1.5	0.3	84	16	SAN VICENTE DE CHUCURI (SANTANDER)
826	Mar 24 2016	04:56:16.7	5.74	-73.87	114	1.1	0.4	166	12	ALBANIA (SANTANDER)
827	Mar 24 2016	05:49: 9.9	1.97	-75.90	Sup	1.5	0.6	159	10	TIMANA (HUILA)
828	Mar 24 2016	06:27:35.3	10.54	-73.48	Sup	1.9	0.4	114	8	PUEBLO BELLO (CESAR)
829	Mar 24 2016	07:07:27.0	3.89	-75.95	23	1.7	0.4	79	17	SAN PEDRO (VALLE)
830	Mar 24 2016	09:13: 5.7	6.64	-76.71	90	1.5	0.4	168	16	VIGIA DEL FUERTE (ANTIOQUIA)
831	Mar 24 2016	09:33:31.3	6.82	-73.07	129	1.3	0.3	250	8	LOS SANTOS (SANTANDER)
832	Mar 24 2016	09:38: 2.7	5.58	-73.89	124	1.5	0.4	101	24	CALDAS (BOYACA)
833	Mar 24 2016	09:48:35.8	7.14	-73.16	135	1.4	0.1	232	7	BUCARAMANGA (SANTANDER)
834	Mar 24 2016	10:11:40.6	6.80	-73.17	143	1.9	0.3	109	28	LOS SANTOS (SANTANDER)
835	Mar 24 2016	10:53: 9.7	5.79	-74.84	Sup	1.0	0.5	160	8	PUERTO TRIUNFO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
836	Mar 24 2016	12:06:53.0	5.40	-74.09	119	1.5	0.3	180	10	PAIME (CUNDINAMARCA)
837	Mar 24 2016	12:39:43.5	6.89	-74.59	52	1.3	0.4	154	10	REMEDIOS (ANTIOQUIA)
838	Mar 24 2016	14:59:37.6	6.34	-73.05	Sup	0.7	0.4	164	8	COROMORO (SANTANDER)
839	Mar 24 2016	15:55: 3.7	6.59	-73.44	114	2.5	0.5	62	41	EL CARMEN (SANTANDER)
840	Mar 24 2016	16:57:55.1	6.07	-73.71	110	1.5	0.4	115	14	VELEZ (SANTANDER)
841	Mar 24 2016	17:28:10.9	9.73	-73.44	Sup	2.0	0.7	108	14	BECERRIL (CESAR)
842	Mar 24 2016	17:44: 7.4	6.82	-73.15	139	1.5	0.3	244	16	LOS SANTOS (SANTANDER)
843	Mar 24 2016	17:45:30.4	6.74	-73.16	128	1.2	0.4	137	10	LOS SANTOS (SANTANDER)
844	Mar 24 2016	18:14:52.6	6.87	-73.13	130	1.1	0.2	247	7	LOS SANTOS (SANTANDER)
845	Mar 24 2016	18:33:14.0	6.86	-73.50	11	1.6	0.7	73	19	SAN VICENTE DE CHUCURI (SANTANDER)
846	Mar 24 2016	18:58:25.7	7.11	-76.23	Sup	1.5	0.5	238	10	DABEIBA (ANTIOQUIA)
847	Mar 24 2016	21:03:16.6	5.27	-73.75	150	1.7	0.5	129	18	CUCUNUBA (CUNDINAMARCA)
848	Mar 24 2016	21:27: 0.3	6.83	-73.12	150	3.7	0.5	53	72	LOS SANTOS (SANTANDER)
849	Mar 24 2016	22:50:31.7	1.65	-78.41	83	2.2	0.5	125	13	ROBERTO PAYAN (NARINO)
850	Mar 24 2016	23:00:39.3	6.80	-73.19	138	1.8	0.4	130	16	ZAPATOCA (SANTANDER)
851	Mar 24 2016	23:11:32.1	7.19	-73.31	122	2.2	0.4	91	18	LEBRIJA (SANTANDER)
852	Mar 25 2016	00:19:56.5	6.78	-73.12	140	1.3	0.4	139	8	LOS SANTOS (SANTANDER)
853	Mar 25 2016	00:33:21.9	6.75	-73.16	141	1.4	0.3	137	10	LOS SANTOS (SANTANDER)
854	Mar 25 2016	00:34:37.0	6.83	-73.18	143	1.5	0.2	131	14	ZAPATOCA (SANTANDER)
855	Mar 25 2016	01:58: 9.6	6.47	-73.44	22	1.4	0.5	95	10	SIMACOTA (SANTANDER)
856	Mar 25 2016	02:09:57.1	6.78	-73.16	141	1.9	0.3	135	27	LOS SANTOS (SANTANDER)
857	Mar 25 2016	02:33:22.2	6.70	-71.92	Sup	1.8	0.5	121	24	FORTUL (ARAUCA)
858	Mar 25 2016	02:55: 6.6	7.38	-75.13	52	1.2	0.2	172	8	CACERES (ANTIOQUIA)
859	Mar 25 2016	02:59: 8.6	6.78	-73.14	140	1.3	0.4	137	12	LOS SANTOS (SANTANDER)
860	Mar 25 2016	03:04:36.4	6.81	-73.14	143	2.4	0.5	55	48	LOS SANTOS (SANTANDER)
861	Mar 25 2016	03:05:52.8	2.60	-75.11	7	1.6	0.3	152	10	ALGECIRAS (HUILA)
862	Mar 25 2016	04:15:15.5	5.69	-73.98	109	0.9	0.1	166	8	PAUNA (BOYACA)
863	Mar 25 2016	05:14:11.7	6.89	-73.32	124	1.4	0.4	99	16	BETULIA (SANTANDER)
864	Mar 25 2016	05:34:23.3	6.83	-73.15	146	1.2	0.2	133	12	LOS SANTOS (SANTANDER)
865	Mar 25 2016	05:52: 6.7	7.49	-73.36	115	1.3	0.4	100	12	LA ESPERANZA (N.SANTANDER)
866	Mar 25 2016	06:01: 7.1	6.80	-73.17	142	1.0	0.1	133	7	LOS SANTOS (SANTANDER)
867	Mar 25 2016	06:02:58.8	5.09	-77.36	31	1.2	0.3	242	8	BAJO BAUDO (CHOCO)
868	Mar 25 2016	06:17:19.6	6.77	-73.13	146	1.6	0.4	139	19	LOS SANTOS (SANTANDER)
869	Mar 25 2016	06:20:33.9	6.85	-73.28	123	2.8	0.5	51	63	ZAPATOCA (SANTANDER)
870	Mar 25 2016	06:32:24.3	2.05	-75.73	Sup	1.2	0.3	127	10	GUADALUPE (HUILA)
871	Mar 25 2016	06:48:32.4	6.06	-73.72	114	0.8	0.4	115	8	VELEZ (SANTANDER)
872	Mar 25 2016	06:55:15.4	6.54	-73.55	103	1.3	0.4	62	20	EL CARMEN (SANTANDER)
873	Mar 25 2016	07:02:42.3	6.23	-73.59	113	1.3	0.4	93	16	LA PAZ (SANTANDER)
874	Mar 25 2016	07:52:51.4	7.75	-74.17	61	1.7	0.3	116	22	SANTA ROSA DEL SUR (BOLIVAR)
875	Mar 25 2016	08:12:49.8	6.89	-76.23	Sup	1.3	0.2	265	8	URAMITA (ANTIOQUIA)
876	Mar 25 2016	08:15:11.5	6.88	-76.19	Sup	2.0	0.6	156	25	URAMITA (ANTIOQUIA)
877	Mar 25 2016	08:21:21.1	6.87	-76.20	Sup	1.6	0.5	215	12	URAMITA (ANTIOQUIA)
878	Mar 25 2016	08:22:33.6	6.82	-73.12	148	1.8	0.5	102	29	LOS SANTOS (SANTANDER)
879	Mar 25 2016	08:32:18.8	3.26	-74.47	Sup	1.5	0.4	122	13	URIBE (META)
880	Mar 25 2016	08:42:20.7	6.80	-73.14	140	1.9	0.5	71	33	LOS SANTOS (SANTANDER)
881	Mar 25 2016	08:47:32.4	6.76	-73.16	144	1.7	0.2	135	19	LOS SANTOS (SANTANDER)
882	Mar 25 2016	08:52:54.8	5.91	-73.79	115	1.1	0.4	136	11	SUCRE (SANTANDER)
883	Mar 25 2016	08:54:15.8	6.83	-73.16	151	1.1	0.4	278	8	LOS SANTOS (SANTANDER)
884	Mar 25 2016	08:56:35.3	6.76	-73.14	141	1.5	0.4	243	10	LOS SANTOS (SANTANDER)
885	Mar 25 2016	09:24:35.2	6.79	-73.34	118	1.4	0.4	206	8	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
886	Mar 25 2016	09:42:44.8	7.33	-77.99	16	2.4	0.5	163	27	FRONTERA CON PANAMA
887	Mar 25 2016	09:48:25.1	6.79	-73.16	143	1.2	0.3	146	10	LOS SANTOS (SANTANDER)
888	Mar 25 2016	10:37:49.1	3.89	-71.40	Sup	2.4	0.6	243	24	PUERTO GAITAN (META)
889	Mar 25 2016	10:51:18.2	4.77	-76.16	102	1.3	0.3	123	11	EL CAIRO (VALLE)
890	Mar 25 2016	10:57: 0.7	5.54	-74.44	18	1.0	0.4	178	10	YACOPI (CUNDINAMARCA)
891	Mar 25 2016	11:10:10.8	3.74	-71.50	Sup	2.2	0.5	229	14	PUERTO GAITAN (META)
892	Mar 25 2016	11:10:46.9	5.09	-76.60	32	1.7	0.5	216	16	CONDOTO (CHOCO)
893	Mar 25 2016	13:35: 3.7	6.79	-73.15	142	1.5	0.4	135	18	LOS SANTOS (SANTANDER)
894	Mar 25 2016	14:01: 0.1	6.82	-73.16	146	2.7	0.4	69	49	LOS SANTOS (SANTANDER)
895	Mar 25 2016	14:22:27.5	6.41	-77.61	22	1.6	0.3	212	18	O.PACIFICO NORTE
896	Mar 25 2016	14:24:51.8	6.32	-77.78	11	1.9	0.5	225	20	O.PACIFICO NORTE
897	Mar 25 2016	14:59:51.5	6.79	-73.14	134	1.8	0.5	137	18	LOS SANTOS (SANTANDER)
898	Mar 25 2016	15:47:11.5	6.81	-73.20	140	1.4	0.2	129	11	ZAPATOCA (SANTANDER)
899	Mar 25 2016	15:56:30.4	6.85	-73.18	132	1.0	0.5	129	8	ZAPATOCA (SANTANDER)
900	Mar 25 2016	16:35: 6.4	3.80	-76.22	106	1.2	0.3	127	8	GINEBRA (VALLE)
901	Mar 25 2016	17:00:34.6	4.91	-76.61	37	1.3	0.3	272	7	NOVITA (CHOCO)
902	Mar 25 2016	17:09: 9.9	6.64	-73.44	106	1.6	0.4	64	18	EL CARMEN (SANTANDER)
903	Mar 25 2016	17:14:41.1	6.90	-72.75	29	1.0	0.1	272	8	CERRITO (SANTANDER)
904	Mar 25 2016	17:49:20.9	6.93	-73.09	110	1.2	0.3	252	8	PIEDRECUESTA (SANTANDER)
905	Mar 25 2016	18:32:22.7	6.80	-73.19	140	1.5	0.3	131	14	ZAPATOCA (SANTANDER)
906	Mar 25 2016	20:12: 6.7	7.59	-73.42	101	1.3	0.4	103	9	LA ESPERANZA (N.SANTANDER)
907	Mar 25 2016	20:17:32.2	4.80	-73.06	Sup	1.2	0.5	224	13	SABANALARGA (CASANARE)
908	Mar 25 2016	20:30:31.5	5.76	-75.97	60	2.6	0.5	50	55	BETANIA (ANTIOQUIA)
909	Mar 25 2016	21:32:10.2	6.82	-73.16	140	1.6	0.4	134	16	LOS SANTOS (SANTANDER)
910	Mar 25 2016	21:41:38.6	6.85	-73.15	142	1.9	0.5	69	26	LOS SANTOS (SANTANDER)
911	Mar 25 2016	21:44:41.5	6.55	-73.52	111	2.6	0.5	53	47	EL CARMEN (SANTANDER)
912	Mar 25 2016	23:10:14.1	4.77	-76.45	83	2.1	0.4	236	18	SIPI (CHOCO)
913	Mar 25 2016	23:45: 6.6	6.77	-73.15	146	1.9	0.6	137	22	LOS SANTOS (SANTANDER)
914	Mar 25 2016	23:49:14.6	7.71	-73.19	133	1.2	0.4	141	10	CACHIRA (N.SANTANDER)
915	Mar 26 2016	00:50:55.9	6.83	-73.19	146	1.3	0.2	129	12	ZAPATOCA (SANTANDER)
916	Mar 26 2016	00:53:34.6	6.79	-73.19	138	0.9	0.3	131	8	ZAPATOCA (SANTANDER)
917	Mar 26 2016	02:09: 6.4	5.37	-74.72	20	1.2	0.6	189	9	LA DORADA (CALDAS)
918	Mar 26 2016	02:32:37.9	6.79	-73.17	146	1.6	0.3	133	14	LOS SANTOS (SANTANDER)
919	Mar 26 2016	02:34:40.6	6.79	-73.17	137	1.5	0.3	134	10	LOS SANTOS (SANTANDER)
920	Mar 26 2016	02:57:19.7	6.82	-73.14	147	1.9	0.5	118	29	LOS SANTOS (SANTANDER)
921	Mar 26 2016	03:35: 7.9	6.82	-73.14	143	1.5	0.3	136	21	LOS SANTOS (SANTANDER)
922	Mar 26 2016	04:23: 4.7	2.41	-75.57	18	1.3	0.3	149	9	GIGANTE (HUILA)
923	Mar 26 2016	04:24:52.0	6.77	-73.15	140	1.1	0.2	137	10	LOS SANTOS (SANTANDER)
924	Mar 26 2016	04:57:30.4	6.82	-73.17	141	1.0	0.2	277	8	ZAPATOCA (SANTANDER)
925	Mar 26 2016	04:59:30.0	7.56	-75.36	45	1.2	0.3	140	12	CACERES (ANTIOQUIA)
926	Mar 26 2016	05:05: 3.1	7.42	-73.16	128	1.7	0.5	77	28	EL PLAYON (SANTANDER)
927	Mar 26 2016	05:26: 0.7	6.84	-73.32	124	1.0	0.4	100	13	ZAPATOCA (SANTANDER)
928	Mar 26 2016	05:29: 0.1	5.76	-75.89	48	0.8	0.2	104	8	HISPANIA (ANTIOQUIA)
929	Mar 26 2016	05:41:41.5	7.12	-76.10	17	1.3	0.4	152	13	DABEIBA (ANTIOQUIA)
930	Mar 26 2016	05:44:41.1	7.11	-75.66	Sup	0.8	0.5	176	9	BRICENO (ANTIOQUIA)
931	Mar 26 2016	06:39: 9.3	6.80	-73.11	140	1.1	0.4	247	9	LOS SANTOS (SANTANDER)
932	Mar 26 2016	06:41:14.3	5.44	-73.89	139	1.0	0.3	151	9	SIMIJACA (CUNDINAMARCA)
933	Mar 26 2016	07:20:34.9	6.87	-73.12	146	1.3	0.3	186	10	LOS SANTOS (SANTANDER)
934	Mar 26 2016	07:23:34.7	6.80	-73.16	141	1.7	0.4	134	20	LOS SANTOS (SANTANDER)
935	Mar 26 2016	07:27:12.1	6.82	-73.16	137	1.1	0.4	181	13	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
936	Mar 26 2016	07:30:37.0	6.83	-73.14	148	2.1	0.5	52	50	LOS SANTOS (SANTANDER)
937	Mar 26 2016	09:00:40.8	8.24	-73.47	114	1.6	0.4	84	18	RIO DE ORO (CESAR)
938	Mar 26 2016	09:19: 6.8	6.82	-73.12	142	1.3	0.4	139	15	LOS SANTOS (SANTANDER)
939	Mar 26 2016	09:35:57.4	9.63	-75.37	37	1.4	0.2	197	8	CHALAN (SUCRE)
940	Mar 26 2016	10:12: 3.4	6.75	-73.16	128	1.2	0.4	136	8	LOS SANTOS (SANTANDER)
941	Mar 26 2016	12:44:57.6	6.80	-73.15	133	1.7	0.5	135	18	LOS SANTOS (SANTANDER)
942	Mar 26 2016	12:53: 8.4	6.78	-73.18	137	1.7	0.3	133	22	LOS SANTOS (SANTANDER)
943	Mar 26 2016	13:13:47.6	6.81	-73.12	142	1.8	0.3	246	16	LOS SANTOS (SANTANDER)
944	Mar 26 2016	15:17:29.5	6.76	-73.15	134	1.4	0.1	137	12	LOS SANTOS (SANTANDER)
945	Mar 26 2016	15:50: 5.9	6.27	-73.62	109	2.6	0.4	86	36	SANTA HELENA DEL OPON (SANTANDER)
946	Mar 26 2016	15:55:37.4	5.58	-74.76	7	1.6	0.2	213	11	NORCASIA (CALDAS)
947	Mar 26 2016	16:39:33.4	6.82	-73.17	141	1.5	0.2	132	12	ZAPATOCA (SANTANDER)
948	Mar 26 2016	17:26:31.1	6.75	-73.15	136	1.3	0.4	138	12	LOS SANTOS (SANTANDER)
949	Mar 26 2016	18:55:22.7	4.52	-73.49	9	1.9	0.5	242	20	MEDINA (CUNDINAMARCA)
950	Mar 26 2016	19:34:44.3	6.50	-73.63	98	1.5	0.5	68	18	SANTA HELENA DEL OPON (SANTANDER)
951	Mar 26 2016	21:26:13.4	6.83	-73.14	149	1.6	0.4	135	13	LOS SANTOS (SANTANDER)
952	Mar 26 2016	21:33:45.8	6.81	-73.16	143	2.1	0.4	69	27	LOS SANTOS (SANTANDER)
953	Mar 26 2016	21:44:28.6	3.78	-71.47	Sup	2.2	0.5	230	12	PUERTO GAITAN (META)
954	Mar 26 2016	21:51:34.1	6.79	-73.11	147	1.8	0.5	141	15	LOS SANTOS (SANTANDER)
955	Mar 26 2016	22:25:11.9	5.51	-76.71	Sup	2.3	0.5	158	21	RIO QUITO (CHOCO)
956	Mar 26 2016	23:19:43.3	6.79	-73.15	147	1.5	0.3	135	12	LOS SANTOS (SANTANDER)
957	Mar 27 2016	01:12:53.8	7.09	-76.69	6	1.5	0.3	269	13	MURINDO (ANTIOQUIA)
958	Mar 27 2016	02:16: 4.9	6.78	-73.13	139	1.6	0.3	138	20	LOS SANTOS (SANTANDER)
959	Mar 27 2016	02:22:19.3	3.77	-71.46	Sup	1.8	0.4	286	12	PUERTO GAITAN (META)
960	Mar 27 2016	02:50:34.8	5.27	-73.73	148	1.7	0.5	101	22	CUCUNUBA (CUNDINAMARCA)
961	Mar 27 2016	03:09:23.6	6.83	-73.10	132	1.4	0.3	248	12	LOS SANTOS (SANTANDER)
962	Mar 27 2016	03:11:37.5	4.83	-76.25	98	2.5	0.5	87	45	EL CAIRO (VALLE)
963	Mar 27 2016	03:49:39.8	6.75	-73.16	143	1.3	0.3	241	9	LOS SANTOS (SANTANDER)
964	Mar 27 2016	03:57:26.4	6.80	-73.14	140	1.5	0.4	136	18	LOS SANTOS (SANTANDER)
965	Mar 27 2016	04:05:19.3	6.78	-73.12	147	1.5	0.4	140	16	LOS SANTOS (SANTANDER)
966	Mar 27 2016	05:12:30.1	6.77	-73.16	135	1.2	0.3	241	9	LOS SANTOS (SANTANDER)
967	Mar 27 2016	05:14:19.0	6.78	-73.20	146	1.2	0.2	130	10	ZAPATOCA (SANTANDER)
968	Mar 27 2016	05:24: 9.6	3.80	-71.39	Sup	2.3	0.5	233	26	PUERTO GAITAN (META)
969	Mar 27 2016	06:29:24.1	6.83	-73.13	149	3.4	0.6	53	72	LOS SANTOS (SANTANDER)
970	Mar 27 2016	06:35:38.6	7.11	-73.32	114	1.7	0.5	101	29	LEBRIJA (SANTANDER)
971	Mar 27 2016	07:17: 6.6	6.80	-73.14	142	1.6	0.3	137	26	LOS SANTOS (SANTANDER)
972	Mar 27 2016	07:50:37.1	11.31	-74.00	14	2.7	0.4	230	34	PUEBLO BELLO (CESAR)
973	Mar 27 2016	07:59:35.2	3.84	-76.26	125	1.5	0.6	131	14	BUGA (VALLE)
974	Mar 27 2016	08:19: 9.8	4.28	-76.71	88	1.6	0.4	216	14	SIPI (CHOCO)
975	Mar 27 2016	08:31:12.6	6.82	-73.13	154	1.4	0.4	260	11	LOS SANTOS (SANTANDER)
976	Mar 27 2016	08:37: 0.5	5.63	-74.35	83	1.4	0.2	92	16	LA VICTORIA (BOYACA)
977	Mar 27 2016	09:08:32.1	3.99	-74.14	Sup	2.4	0.6	55	51	GUTIERREZ (CUNDINAMARCA)
978	Mar 27 2016	09:12:20.8	4.83	-75.96	56	1.3	0.4	78	14	ANSERMANUEVO (VALLE)
979	Mar 27 2016	09:52:57.4	6.82	-73.19	148	1.5	0.3	179	15	ZAPATOCA (SANTANDER)
980	Mar 27 2016	09:58:11.4	6.83	-73.09	148	1.8	0.5	123	22	LOS SANTOS (SANTANDER)
981	Mar 27 2016	10:11:30.1	4.77	-74.69	6	1.3	0.4	114	20	BELTRAN (CUNDINAMARCA)
982	Mar 27 2016	10:59:41.1	4.73	-76.19	96	1.6	0.2	142	12	EL CAIRO (VALLE)
983	Mar 27 2016	11:54:60.0	6.75	-73.16	144	1.8	0.4	136	20	LOS SANTOS (SANTANDER)
984	Mar 27 2016	13:00:25.3	6.84	-73.14	142	3.0	0.5	70	48	LOS SANTOS (SANTANDER)
985	Mar 27 2016	14:03:11.0	6.79	-73.15	144	1.4	0.3	141	13	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
986	Mar 27 2016	16:21:33.7	6.82	-73.18	142	2.2	0.4	131	28	ZAPATOCA (SANTANDER)
987	Mar 27 2016	17:11:21.3	3.89	-77.09	18	2.0	0.6	168	16	BUENAVENTURA (VALLE)
988	Mar 27 2016	18:00:29.6	6.81	-73.14	143	1.9	0.3	136	16	LOS SANTOS (SANTANDER)
989	Mar 27 2016	18:09:55.5	9.62	-73.44	Sup	2.4	0.5	116	12	LA JAGUA DE IBIRICO (CESAR)
990	Mar 27 2016	18:30:48.6	6.81	-73.17	142	2.7	0.5	124	40	ZAPATOCA (SANTANDER)
991	Mar 27 2016	19:53:40.7	3.84	-71.39	Sup	3.0	0.7	232	38	PUERTO GAITAN (META)
992	Mar 27 2016	20:42:10.6	6.76	-73.12	149	1.4	0.3	141	11	LOS SANTOS (SANTANDER)
993	Mar 27 2016	21:12:15.6	6.77	-73.13	146	1.4	0.3	139	10	LOS SANTOS (SANTANDER)
994	Mar 27 2016	22:29:38.8	6.79	-73.18	141	1.4	0.2	132	8	ZAPATOCA (SANTANDER)
995	Mar 27 2016	22:59:40.9	6.80	-73.19	144	1.4	0.3	130	8	ZAPATOCA (SANTANDER)
996	Mar 27 2016	23:43:57.9	6.77	-73.14	139	1.4	0.4	138	9	LOS SANTOS (SANTANDER)
997	Mar 28 2016	00:11:53.4	6.85	-73.15	148	1.5	0.4	132	11	LOS SANTOS (SANTANDER)
998	Mar 28 2016	00:32:41.7	5.92	-76.16	51	2.1	0.5	171	19	EL CARMEN (CHOCO)
999	Mar 28 2016	00:43:13.4	6.83	-73.15	149	2.5	0.6	101	51	LOS SANTOS (SANTANDER)
1000	Mar 28 2016	01:41: 6.3	4.81	-76.19	110	1.2	0.2	125	9	EL CAIRO (VALLE)
1001	Mar 28 2016	01:57: 3.9	6.94	-74.73	Sup	1.4	0.5	158	12	REMEDIOS (ANTIOQUIA)
1002	Mar 28 2016	03:13: 5.1	6.81	-73.17	145	1.7	0.5	132	23	LOS SANTOS (SANTANDER)
1003	Mar 28 2016	03:37:30.9	6.76	-73.16	144	1.2	0.4	136	13	LOS SANTOS (SANTANDER)
1004	Mar 28 2016	03:51:14.6	6.82	-73.14	144	1.2	0.3	136	11	LOS SANTOS (SANTANDER)
1005	Mar 28 2016	04:39:32.9	9.65	-72.88	141	2.3	0.6	86	34	FRONTERA CON VENEZUELA
1006	Mar 28 2016	04:43:44.1	5.82	-74.24	79	1.6	0.4	58	26	OTANCHE (BOYACA)
1007	Mar 28 2016	04:42:30.4	6.81	-73.17	144	1.2	0.2	133	12	LOS SANTOS (SANTANDER)
1008	Mar 28 2016	04:55:58.9	6.80	-73.18	148	1.5	0.4	132	19	ZAPATOCA (SANTANDER)
1009	Mar 28 2016	04:58:33.3	6.82	-73.17	143	1.4	0.3	131	14	ZAPATOCA (SANTANDER)
1010	Mar 28 2016	05:04: 3.6	4.78	-76.28	106	1.8	0.4	172	17	EL CAIRO (VALLE)
1011	Mar 28 2016	05:16:43.9	6.81	-73.16	133	1.2	0.3	133	9	LOS SANTOS (SANTANDER)
1012	Mar 28 2016	05:24:34.5	6.82	-73.19	140	1.5	0.3	130	16	ZAPATOCA (SANTANDER)
1013	Mar 28 2016	05:31:44.0	6.83	-73.13	146	3.2	0.6	67	67	LOS SANTOS (SANTANDER)
1014	Mar 28 2016	05:56: 6.6	7.75	-74.14	Sup	1.5	0.4	115	11	SANTA ROSA DEL SUR (BOLIVAR)
1015	Mar 28 2016	06:05:10.4	6.78	-73.18	133	1.7	0.5	132	17	LOS SANTOS (SANTANDER)
1016	Mar 28 2016	06:17:37.8	6.85	-73.17	143	2.5	0.5	68	48	ZAPATOCA (SANTANDER)
1017	Mar 28 2016	08:05:58.5	6.81	-73.16	137	1.1	0.2	133	8	LOS SANTOS (SANTANDER)
1018	Mar 28 2016	09:40:54.3	6.81	-73.14	150	1.8	0.3	136	20	LOS SANTOS (SANTANDER)
1019	Mar 28 2016	10:39:23.1	6.81	-73.16	145	2.1	0.4	134	26	LOS SANTOS (SANTANDER)
1020	Mar 28 2016	10:42:56.0	3.64	-76.26	6	2.2	0.4	147	14	EL CERRITO (VALLE)
1021	Mar 28 2016	11:15:57.2	6.41	-73.57	110	1.6	0.4	125	12	SANTA HELENA DEL OPOON (SANTANDER)
1022	Mar 28 2016	11:21:45.8	6.79	-73.14	145	2.1	0.4	136	18	LOS SANTOS (SANTANDER)
1023	Mar 28 2016	13:42: 5.3	4.43	-76.55	94	1.6	0.4	236	12	SIPI (CHOCO)
1024	Mar 28 2016	14:09: 0.6	6.70	-73.16	142	1.4	0.2	239	8	VILLANUEVA (SANTANDER)
1025	Mar 28 2016	14:52:10.8	6.81	-73.19	149	1.3	0.2	146	8	ZAPATOCA (SANTANDER)
1026	Mar 28 2016	15:02:26.5	6.56	-73.76	88	1.6	0.4	103	16	SANTA HELENA DEL OPOON (SANTANDER)
1027	Mar 28 2016	16:56:42.8	8.29	-74.63	9	1.6	0.2	193	8	SAN JACINTO DEL CAUCA (BOLIVAR)
1028	Mar 28 2016	17:01:12.5	6.78	-73.14	147	1.3	0.2	140	10	LOS SANTOS (SANTANDER)
1029	Mar 28 2016	18:31:38.4	6.74	-73.16	142	1.7	0.5	136	9	LOS SANTOS (SANTANDER)
1030	Mar 28 2016	19:45:26.7	6.80	-73.16	152	1.5	0.4	142	8	LOS SANTOS (SANTANDER)
1031	Mar 28 2016	20:11:26.0	6.86	-73.45	111	1.5	0.4	201	12	SAN VICENTE DE CHUCURI (SANTANDER)
1032	Mar 28 2016	20:22:19.1	5.64	-74.36	81	1.9	0.4	99	18	LA VICTORIA (BOYACA)
1033	Mar 28 2016	21:41:43.3	6.82	-73.22	136	1.4	0.3	124	10	ZAPATOCA (SANTANDER)
1034	Mar 28 2016	23:13: 8.8	6.80	-73.21	127	1.5	0.1	146	8	ZAPATOCA (SANTANDER)
1035	Mar 28 2016	23:28:56.3	3.73	-76.91	60	1.9	0.3	149	12	BUENAVENTURA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1036	Mar 29 2016	00:33:49.1	11.75	-73.14	23	1.7	0.4	211	8	MAR CARIBE
1037	Mar 29 2016	00:43:46.4	5.91	-73.56	126	1.1	0.4	94	12	MONQUIRA (BOYACA)
1038	Mar 29 2016	00:46:36.6	6.78	-73.18	153	1.3	0.5	274	8	ZAPATOCA (SANTANDER)
1039	Mar 29 2016	02:20:19.2	6.98	-73.15	148	1.7	0.3	125	22	GIRON (SANTANDER)
1040	Mar 29 2016	02:28:33.0	7.67	-73.44	109	1.8	0.5	107	24	SAN ALBERTO (CESAR)
1041	Mar 29 2016	03:26: 9.7	5.64	-78.16	63	2.4	0.2	173	22	O.PACIFICO NORTE
1042	Mar 29 2016	03:36:34.9	6.28	-73.14	182	1.4	0.2	179	8	CHARALA (SANTANDER)
1043	Mar 29 2016	04:14:32.8	6.56	-73.50	17	1.6	0.4	102	16	EL CARMEN (SANTANDER)
1044	Mar 29 2016	04:19:41.6	6.12	-73.88	99	0.9	0.1	110	7	EL PENON (SANTANDER)
1045	Mar 29 2016	04:38:30.1	2.44	-75.50	19	1.5	0.4	95	12	GIGANTE (HUILA)
1046	Mar 29 2016	05:08:39.4	6.87	-73.34	124	1.5	0.5	105	20	BETULIA (SANTANDER)
1047	Mar 29 2016	06:03:53.6	3.25	-75.40	11	2.3	0.5	67	30	AIPE (HUILA)
1048	Mar 29 2016	07:16:52.6	4.37	-76.06	116	1.2	0.4	176	8	ZARZAL (VALLE)
1049	Mar 29 2016	08:23: 0.3	5.29	-73.75	147	2.6	0.5	64	47	LENGUAZAQUE (CUNDINAMARCA)
1050	Mar 29 2016	08:51:41.2	6.11	-72.41	Sup	0.8	0.4	189	8	LA SALINA (CASANARE)
1051	Mar 29 2016	10:02: 7.9	4.79	-74.84	Sup	0.9	0.3	207	10	AMBALEMA (TOLIMA)
1052	Mar 29 2016	10:03:12.9	6.82	-73.20	145	1.6	0.3	128	13	ZAPATOCA (SANTANDER)
1053	Mar 29 2016	10:22:24.3	7.36	-75.28	22	1.8	0.5	122	26	CACERES (ANTIOQUIA)
1054	Mar 29 2016	10:52:19.6	6.77	-73.14	139	1.2	0.1	138	8	LOS SANTOS (SANTANDER)
1055	Mar 29 2016	10:56: 8.1	6.91	-73.22	126	1.1	0.4	242	7	BETULIA (SANTANDER)
1056	Mar 29 2016	11:13:43.6	6.76	-73.16	144	2.0	0.5	136	25	LOS SANTOS (SANTANDER)
1057	Mar 29 2016	11:42:10.0	6.45	-73.73	87	1.5	0.4	124	13	SANTA HELENA DEL OPON (SANTANDER)
1058	Mar 29 2016	11:51:54.4	6.80	-73.20	141	1.2	0.2	145	8	ZAPATOCA (SANTANDER)
1059	Mar 29 2016	12:09:14.3	6.78	-73.16	143	1.5	0.3	135	8	LOS SANTOS (SANTANDER)
1060	Mar 29 2016	12:30:51.8	12.76	-70.61	86	3.0	0.3	291	26	MAR CARIBE
1061	Mar 29 2016	13:22:53.0	6.86	-75.31	27	1.2	0.1	149	8	ANGOSTURA (ANTIOQUIA)
1062	Mar 29 2016	13:25:35.2	6.78	-73.17	143	2.0	0.4	134	25	LOS SANTOS (SANTANDER)
1063	Mar 29 2016	13:55:40.3	4.62	-77.80	30	2.2	0.6	220	17	O.PACIFICO CENTRO
1064	Mar 29 2016	14:10:24.0	6.79	-73.14	141	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
1065	Mar 29 2016	15:00:28.2	7.71	-75.33	23	0.9	0.4	136	8	CACERES (ANTIOQUIA)
1066	Mar 29 2016	15:29:37.8	6.81	-73.16	140	1.8	0.3	133	18	LOS SANTOS (SANTANDER)
1067	Mar 29 2016	15:57: 8.1	6.98	-74.07	6	1.8	0.4	132	18	YONDO (ANTIOQUIA)
1068	Mar 29 2016	16:18:25.0	6.69	-73.39	121	1.6	0.5	109	15	EL CARMEN (SANTANDER)
1069	Mar 29 2016	17:17:55.0	4.41	-75.36	Sup	1.5	0.3	85	18	CAJAMARCA (TOLIMA)
1070	Mar 29 2016	17:34:39.8	4.45	-75.33	Sup	1.2	0.3	148	8	CAJAMARCA (TOLIMA)
1071	Mar 29 2016	17:36: 3.2	4.02	-74.08	Sup	2.5	0.5	50	43	GUTIERREZ (CUNDINAMARCA)
1072	Mar 29 2016	17:55:18.2	6.82	-73.11	150	1.7	0.4	139	12	LOS SANTOS (SANTANDER)
1073	Mar 29 2016	18:09:37.6	3.70	-73.98	Sup	2.0	0.6	94	28	EL DORADO (META)
1074	Mar 29 2016	18:13:33.8	8.91	-77.49	21	3.0	0.6	138	41	ACANDI (CHOCO)
1075	Mar 29 2016	18:14:25.6	8.87	-77.46	22	3.2	0.6	137	31	ACANDI (CHOCO)
1076	Mar 29 2016	20:45: 9.7	6.75	-73.19	124	1.3	0.3	133	12	VILLANUEVA (SANTANDER)
1077	Mar 29 2016	20:53:55.6	5.09	-73.06	Sup	1.4	0.5	237	10	PAEZ (BOYACA)
1078	Mar 29 2016	20:58:13.3	5.33	-73.72	130	1.5	0.4	132	8	LENGUAZAQUE (CUNDINAMARCA)
1079	Mar 29 2016	21:53:28.3	6.79	-73.21	142	1.3	0.4	128	11	ZAPATOCA (SANTANDER)
1080	Mar 29 2016	23:26:58.9	4.81	-78.23	24	2.2	0.3	292	14	O.PACIFICO CENTRO
1081	Mar 30 2016	00:08:59.5	9.07	-73.26	Sup	2.1	0.7	151	29	CURUMANI (CESAR)
1082	Mar 30 2016	00:11:27.3	5.87	-74.30	77	1.4	0.3	84	14	OTANCHE (BOYACA)
1083	Mar 30 2016	00:31:17.3	6.84	-73.15	141	2.1	0.5	56	40	LOS SANTOS (SANTANDER)
1084	Mar 30 2016	01:02:18.8	6.73	-73.13	133	1.9	0.2	196	8	JORDAN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1085	Mar 30 2016	01:46:28.9	6.86	-73.09	143	1.2	0.5	283	8	LOS SANTOS (SANTANDER)
1086	Mar 30 2016	02:00:22.4	4.78	-76.82	29	1.6	0.5	220	16	SIPI (CHOCO)
1087	Mar 30 2016	02:37: 5.6	5.92	-73.66	130	1.0	0.2	143	7	GUAVATA (SANTANDER)
1088	Mar 30 2016	03:27:27.2	6.74	-73.17	142	1.2	0.4	135	11	LOS SANTOS (SANTANDER)
1089	Mar 30 2016	05:44:26.3	4.83	-74.74	Sup	1.7	0.5	119	20	BELTRAN (CUNDINAMARCA)
1090	Mar 30 2016	05:44:27.0	8.17	-76.81	66	2.9	0.5	105	43	TURBO (ANTIOQUIA)
1091	Mar 30 2016	05:58:17.9	6.76	-73.14	138	1.6	0.3	88	21	LOS SANTOS (SANTANDER)
1092	Mar 30 2016	06:09:52.0	6.83	-73.20	148	2.6	0.5	61	51	ZAPATOCA (SANTANDER)
1093	Mar 30 2016	06:09:48.7	6.83	-73.17	143	1.4	0.1	112	10	ZAPATOCA (SANTANDER)
1094	Mar 30 2016	06:47:43.4	6.84	-73.19	143	1.9	0.4	67	30	ZAPATOCA (SANTANDER)
1095	Mar 30 2016	07:03: 0.6	6.83	-73.17	145	1.5	0.5	138	15	ZAPATOCA (SANTANDER)
1096	Mar 30 2016	07:19:52.6	6.79	-73.19	145	1.3	0.5	143	12	ZAPATOCA (SANTANDER)
1097	Mar 30 2016	07:29: 5.0	6.83	-73.20	138	1.5	0.3	148	10	ZAPATOCA (SANTANDER)
1098	Mar 30 2016	07:47:21.0	6.62	-73.56	125	1.1	0.4	146	10	EL CARMEN (SANTANDER)
1099	Mar 30 2016	08:03:12.8	6.83	-73.16	151	1.2	0.3	278	8	LOS SANTOS (SANTANDER)
1100	Mar 30 2016	08:20:51.1	6.80	-73.15	143	2.4	0.2	70	28	LOS SANTOS (SANTANDER)
1101	Mar 30 2016	08:48:43.0	7.75	-73.89	87	1.3	0.2	155	12	SIMITI (BOLIVAR)
1102	Mar 30 2016	09:37:44.0	7.39	-73.20	132	1.7	0.2	104	13	EL PLAYON (SANTANDER)
1103	Mar 30 2016	09:43:27.3	6.56	-73.34	140	1.1	0.2	138	8	HATO (SANTANDER)
1104	Mar 30 2016	09:49:36.8	6.79	-73.22	145	1.2	0.2	125	12	ZAPATOCA (SANTANDER)
1105	Mar 30 2016	10:20:35.3	7.80	-73.70	101	1.7	0.3	105	17	SAN MARTIN (CESAR)
1106	Mar 30 2016	10:39:31.7	3.00	-74.70	Sup	2.2	0.6	92	20	BARAYA (HUILA)
1107	Mar 30 2016	10:58: 4.1	6.78	-73.20	139	1.6	0.2	130	14	ZAPATOCA (SANTANDER)
1108	Mar 30 2016	11:02: 3.7	6.80	-73.15	152	2.2	0.5	118	30	LOS SANTOS (SANTANDER)
1109	Mar 30 2016	11:34:17.1	6.80	-73.21	139	1.5	0.3	146	9	ZAPATOCA (SANTANDER)
1110	Mar 30 2016	12:20:27.6	6.07	-73.72	113	1.4	0.4	103	12	VELEZ (SANTANDER)
1111	Mar 30 2016	14:58:46.4	8.78	-75.60	25	3.6	0.4	105	58	CIENAGA DE ORO (CORDOBA)
1112	Mar 30 2016	15:48: 9.1	7.11	-73.34	120	2.2	0.5	91	28	LEBRIJA (SANTANDER)
1113	Mar 30 2016	16:02:57.4	6.79	-73.15	134	1.9	0.5	136	16	LOS SANTOS (SANTANDER)
1114	Mar 30 2016	17:11:36.2	6.80	-73.15	151	2.5	0.3	118	32	LOS SANTOS (SANTANDER)
1115	Mar 30 2016	19:45:28.6	9.92	-72.94	Sup	2.7	0.5	111	28	FRONTERA CON VENEZUELA
1116	Mar 30 2016	20:07:20.6	5.77	-76.51	18	1.5	0.5	265	8	QUIBDO (CHOCO)
1117	Mar 30 2016	20:15:26.4	4.39	-76.50	47	1.6	0.3	225	12	TRUJILLO (VALLE)
1118	Mar 30 2016	20:24: 1.2	6.48	-73.46	114	1.4	0.3	122	10	SIMACOTA (SANTANDER)
1119	Mar 30 2016	20:32: 9.1	6.71	-73.17	130	1.3	0.1	239	8	VILLANUEVA (SANTANDER)
1120	Mar 30 2016	21:44:50.9	6.80	-73.17	137	1.4	0.3	133	7	LOS SANTOS (SANTANDER)
1121	Mar 30 2016	21:47:36.2	5.85	-74.90	6	1.6	0.5	91	18	SAN LUIS (ANTIOQUIA)
1122	Mar 30 2016	22:15: 5.8	3.20	-79.10	22	3.1	0.7	241	38	O.PACIFICO SUR
1123	Mar 30 2016	23:20:41.0	6.77	-73.14	144	1.7	0.3	138	15	LOS SANTOS (SANTANDER)
1124	Mar 30 2016	23:55:19.8	7.43	-73.19	131	2.5	0.5	69	36	EL PLAYON (SANTANDER)
1125	Mar 31 2016	00:12: 7.0	6.21	-73.70	54	1.1	0.0	120	8	LANDAZURI (SANTANDER)
1126	Mar 31 2016	00:37:14.8	6.78	-73.15	139	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
1127	Mar 31 2016	01:13:44.0	5.00	-74.70	25	0.8	0.4	225	8	CHAGUANI (CUNDINAMARCA)
1128	Mar 31 2016	01:25:18.1	6.83	-73.17	140	2.2	0.4	68	38	ZAPATOCA (SANTANDER)
1129	Mar 31 2016	01:30:46.9	6.63	-73.53	101	1.9	0.5	68	28	EL CARMEN (SANTANDER)
1130	Mar 31 2016	02:19:35.0	6.82	-73.16	146	2.2	0.4	69	32	LOS SANTOS (SANTANDER)
1131	Mar 31 2016	02:20:44.6	5.32	-73.75	144	1.6	0.5	129	15	LENGUAZAQUE (CUNDINAMARCA)
1132	Mar 31 2016	02:54: 2.0	5.81	-77.36	Sup	2.0	0.5	174	15	O.PACIFICO NORTE
1133	Mar 31 2016	03:08:53.0	6.82	-73.15	148	3.2	0.5	64	54	LOS SANTOS (SANTANDER)
1134	Mar 31 2016	03:12:55.6	4.75	-75.96	52	2.0	0.4	88	16	CARTAGO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1135	Mar 31 2016	03:32:25.6	5.70	-73.82	116	1.3	0.4	99	14	SABOYA (BOYACA)
1136	Mar 31 2016	04:12:28.8	6.96	-76.37	8	1.5	0.2	246	10	DABEIBA (ANTIOQUIA)
1137	Mar 31 2016	04:27:19.8	9.45	-73.37	118	1.7	0.4	142	14	LA JAGUA DE IBIRICO (CESAR)
1138	Mar 31 2016	04:51: 7.9	6.81	-73.16	146	1.4	0.3	134	14	LOS SANTOS (SANTANDER)
1139	Mar 31 2016	04:55:29.7	5.57	-74.45	Sup	1.1	0.5	107	11	YACOPI (CUNDINAMARCA)
1140	Mar 31 2016	05:01:39.5	7.43	-73.20	135	1.3	0.3	79	16	EL PLAYON (SANTANDER)
1141	Mar 31 2016	06:12:56.6	4.12	-76.67	49	1.2	0.5	201	11	CALIMA (VALLE)
1142	Mar 31 2016	06:44: 9.9	6.87	-73.39	112	1.5	0.4	139	14	SAN VICENTE DE CHUCURI (SANTANDER)
1143	Mar 31 2016	06:45:19.6	6.82	-73.21	136	1.5	0.2	127	14	ZAPATOCA (SANTANDER)
1144	Mar 31 2016	07:01:15.5	6.79	-76.10	Sup	1.4	0.4	217	10	FRONTINO (ANTIOQUIA)
1145	Mar 31 2016	07:11:26.1	4.80	-74.58	11	1.3	0.4	185	14	SAN JUAN DE RIOSECO (CUNDINAMARCA)
1146	Mar 31 2016	07:31:58.5	9.82	-73.27	23	1.8	0.3	180	10	BECERRIL (CESAR)
1147	Mar 31 2016	08:08: 4.7	6.81	-76.73	93	1.5	0.2	182	14	MURINDO (ANTIOQUIA)
1148	Mar 31 2016	10:12:43.5	6.81	-73.17	144	1.2	0.3	144	8	LOS SANTOS (SANTANDER)
1149	Mar 31 2016	11:43:42.7	5.28	-73.75	147	1.8	0.5	131	22	CUCUNUBA (CUNDINAMARCA)
1150	Mar 31 2016	11:56:46.4	6.79	-73.16	142	1.6	0.5	135	16	LOS SANTOS (SANTANDER)
1151	Mar 31 2016	12:11:11.5	6.81	-73.21	141	1.4	0.4	128	13	ZAPATOCA (SANTANDER)
1152	Mar 31 2016	12:39:13.5	1.95	-74.53	Sup	1.9	0.5	207	8	SAN VICENTE DEL CAGUAN (CAQUETA)
1153	Mar 31 2016	13:38:27.6	6.78	-73.15	143	1.7	0.4	136	13	LOS SANTOS (SANTANDER)
1154	Mar 31 2016	14:43:16.1	6.88	-73.13	148	1.4	0.4	281	10	LOS SANTOS (SANTANDER)
1155	Mar 31 2016	14:51:49.4	4.36	-76.58	80	1.0	0.4	242	7	SIPI (CHOCO)
1156	Mar 31 2016	15:06:56.1	6.79	-73.14	146	2.3	0.4	137	31	LOS SANTOS (SANTANDER)
1157	Mar 31 2016	15:23:31.6	6.79	-73.11	152	2.4	0.5	122	30	LOS SANTOS (SANTANDER)
1158	Mar 31 2016	17:01:32.7	6.80	-73.19	134	2.1	0.4	134	15	ZAPATOCA (SANTANDER)
1159	Mar 31 2016	17:22:19.7	6.80	-73.18	144	1.9	0.3	132	13	ZAPATOCA (SANTANDER)
1160	Mar 31 2016	17:50:34.7	6.83	-77.61	7	2.0	0.4	168	16	O.PACIFICO NORTE
1161	Mar 31 2016	18:55:37.4	2.52	-75.45	Sup	1.9	0.4	179	14	HOBO (HUILA)
1162	Mar 31 2016	19:05:22.2	6.76	-73.17	144	1.9	0.4	134	19	LOS SANTOS (SANTANDER)
1163	Mar 31 2016	19:53:27.8	6.83	-73.12	151	2.0	0.6	120	16	LOS SANTOS (SANTANDER)
1164	Mar 31 2016	20:15:54.6	7.31	-73.26	124	1.9	0.4	145	13	RIONEGRO (SANTANDER)
1165	Mar 31 2016	21:27:30.5	6.80	-73.11	143	1.9	0.3	140	14	LOS SANTOS (SANTANDER)
1166	Mar 31 2016	21:40:12.4	6.77	-73.12	139	1.7	0.5	140	10	LOS SANTOS (SANTANDER)
1167	Mar 31 2016	21:58:50.5	6.86	-73.10	146	2.8	0.5	61	50	LOS SANTOS (SANTANDER)
1168	Mar 31 2016	23:11:47.5	6.76	-73.14	139	1.7	0.3	105	13	LOS SANTOS (SANTANDER)
1169	Mar 31 2016	23:42: 8.0	6.37	-73.59	107	2.3	0.4	71	35	SANTA HELENA DEL OPO (SANTANDER)