



**BOLETÍN DE SISMOS**  
septiembre de 2016  
Red Sismológica Nacional de Colombia ó RSNC ó

**Volumen 24, No. 9**

**Bogotá, marzo de 2017**

República de Colombia  
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA  
SERVICIO GEOLÓGICO COLOMBIANO**



**Boletín de Sismos: septiembre de 2016**

**Red Sismológica Nacional de Colombia**

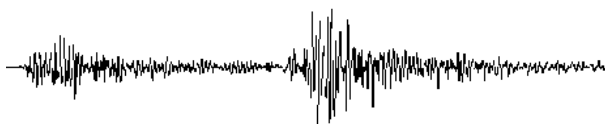
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SGC

SERVICIO GEOLÓGICO  
COLOMBIANO

AMENAZAS  
GEOLÓGICAS Y  
ENTORNO AMBIENTAL

Red Sismológica  
Nacional de Colombia  
RSNC



BOLETÍN PRELIMINAR DE SISMOS  
septiembre de 2016  
Volumen 24, No. 09

## PRESENTACION

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

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

Cordialmente,

MSc. Viviana Dionicio Lozano.

**Coordinadora.**

Grupo de evaluación y monitoreo de la actividad sísmica

**Director General del SERVICIO GEOLÓGICO COLOMBIANO**

Dr. Oscar Paredes Zapata

**Directora técnica de Geoamenazas**

Dra. Marta Lucia Calvache

### RED SISMOLÓGICA NACIONAL DE COLOMBIA

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## FUNCIONAMIENTO DE LAS ESTACIONES RSNC

No.	Tipo de Sensor*	Nombre de la Estación	%
1	BB	PROVIDENCIA	99,03
2	BB	URIBIA	99,03
3	BB	SANTA MARTA	95,83
4	BB	CERREJON	99,03
5	BB	SAN JACINTO	99,03
6	BB	ARIGUANI	99,88
7	BB	LOS CORDOBAS	99,01
8	BB	SAN MARTIN DE LOBA	00,00
9	BB	MONTERÍA	00,00
10	BB	CAPURGANÁ	13,61
11	BB	OCAÑA	00,00
12	BB	SAN JOSE DE URE	93,25
13	BB	ZARAGOZA	95,83
14	BB	PAMPLONA	99,03
15	SP	PUNTA ARDITA	78,96
16	BB	BARRANCA	99,03
17	BB	DABEIBA	85,46
18	SP	BARICHARA	94,77
19	SP	PUERTO BERRIO	99,03
20	BB	TAME	99,17
21	BB	SOLANO	89,61
22	SP	ST.HELENA	99,03
23	BB	LA RUSIA	99,03
24	BB	CIUDAD BOLIVAR	99,03
25	BB	SAN PABLO DE BORBUR	99,03
26	BB	NORCASIA	98,74
27	SP	GUYANA	99,03
28	SP	PIZARRO	00,00
29	BB	SAN JOSE DEL PALMAR	99,03
30	BB	EL ROSAL (CTBTO)	95,46
31	BB	CHINGAZA	99,03
32	BB	TOLIMA	0,00
33	SP	PUERTO GAITAN	90,03
34	BB	VILLAVICENCIO	98,43
35	SP	MALAGA	99,03
36	SP	MALPELO	99,03
37	BB	YOTOCO	99,03
38	BB	ORTEGA	03,19
39	BB	PRADO	09,25
40	BB	GORGONA	99,03
41	SP	BETANIA	99,17
42	BB	GUAVIARE	99,03
43	SP	POPAYAN	27,07
44	SP	GARZON	99,03
45	BB	MACARENA	99,03
46	BB	BALBOA	99,03
47	BB	TUMACO	99,03
48	BB	FLORENCIA	99,03
49	BB	LA CRUZ	99,03
50	SP	CUMBAL	99,03
51	BB	PUERTO LEGUIZAMO	99,03

\* SP = Período corto  
BB = Banda ancha

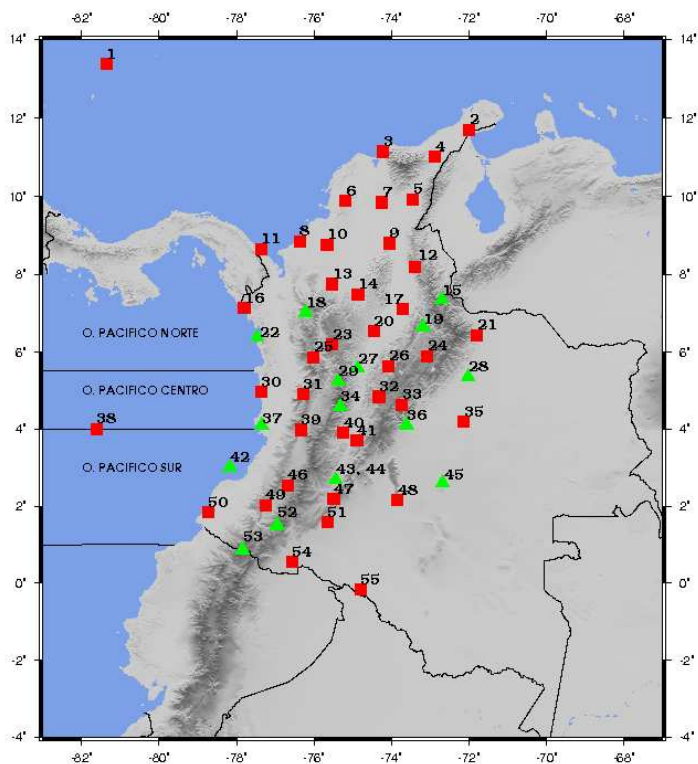
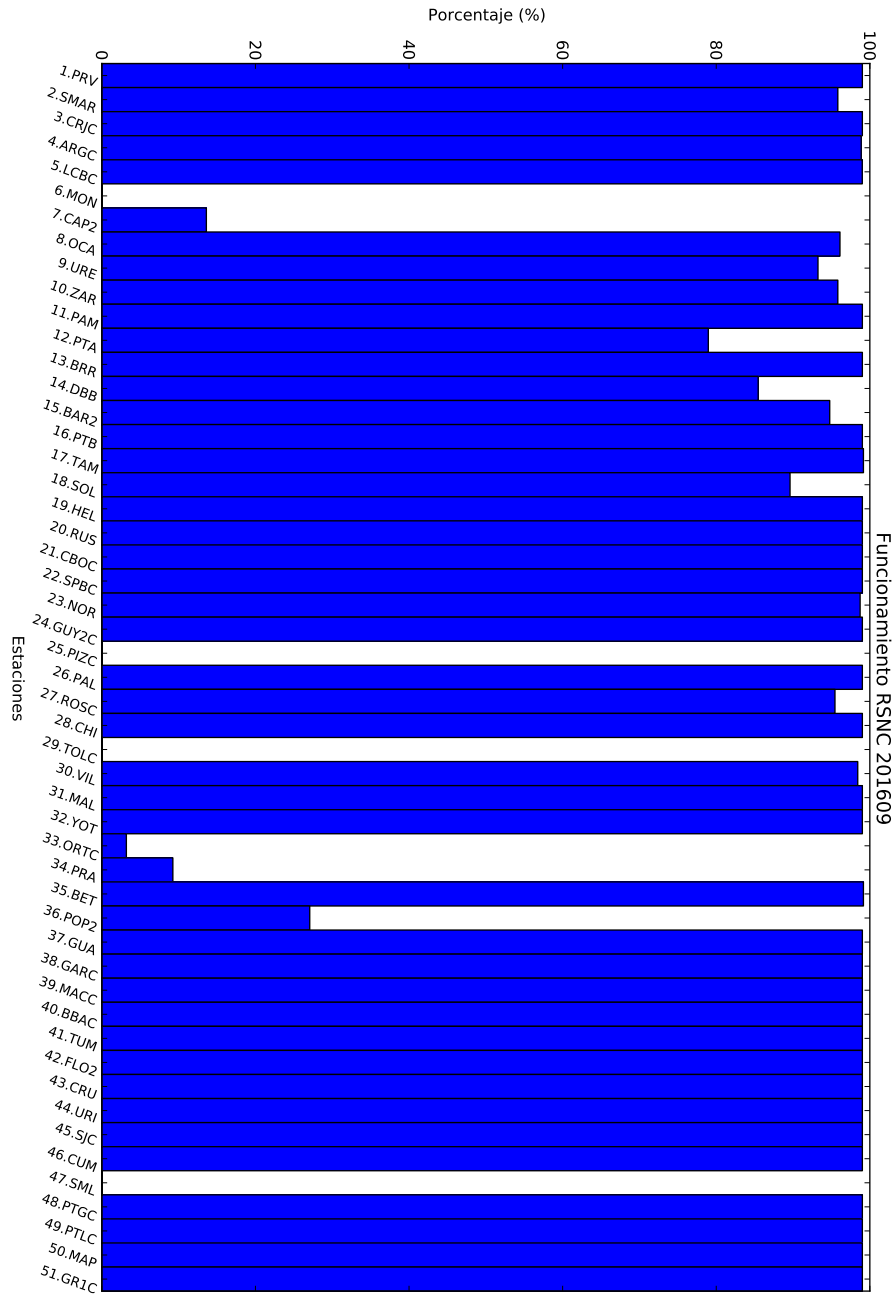


Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

## HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



## SISMICIDAD DE SEPTIEMBRE DE 2016

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

Un evento es denominado como destacado si:

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

### CONVENCIONES

<b>N</b>	Número del evento
<b>FECHA</b>	Mes Día Año.
<b>H _ M _ S</b>	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.
<b>LAT</b>	Latitud en grados.
<b>LONG</b>	Longitud en grados.
<b>Z</b>	Profundidad en kilómetros.
<b>Sup</b>	Indica una profundidad entre 0 y 5 km.
<b>MAG</b>	Magnitud (ML) del evento en la escala de Richter.
<b>Mw</b>	Magnitud de Momento (Mw) del evento, para los destacados.
<b>NF</b>	Número de fases utilizadas en la localización.
<b>RMS</b>	Raíz cuadrada media del residual de tiempo a las estaciones.
<b>GAP</b>	Mayor ángulo de apertura entre estaciones.
<b>UBICACIÓN</b>	Cabecera municipal y departamento más cercano al epicentro.

Cuadro 1: Eventos destacados durante septiembre de 2016

N	FECHA	H:M:S	LAT	LONG	Z	Mw	RMS	GAP	NF	UBICACION
383	Sep 10 2016	14:18:30.5	0.94	-78.07	Sup	3.1	0.4	116	55	RICAURTE (NARINO)*
536	Sep 14 2016	01:58:30.2	7.23	-76.23	Sup	5.2	0.8	49	92	MUTATA (ANTIOQUIA)*
646	Sep 14 2016	06:46:59.5	7.23	-76.31	Sup	4.5	0.7	177	83	MUTATA (ANTIOQUIA)*
716	Sep 14 2016	12:02:52.0	7.20	-76.24	Sup	4.0	0.6	77	104	MUTATA (ANTIOQUIA)*
741	Sep 14 2016	15:59:34.8	7.24	-76.34	Sup	4.3	0.5	51	112	MUTATA (ANTIOQUIA)*
756	Sep 14 2016	19:26:19.4	7.06	-72.20	Sup	3.8	0.6	99	46	CUBARA (BOYACA)*
862	Sep 16 2016	02:37:40.4	6.80	-73.14	152	4.0	0.5	53	90	LOS SANTOS (SANTANDER)*
1150	Sep 22 2016	03:56:48.2	5.95	-73.76	113	3.5	0.5	42	88	BOLIVAR (SANTANDER)*
1151	Sep 22 2016	04:32:52.7	6.81	-73.10	151	4.1	0.6	53	106	LOS SANTOS (SANTANDER)*
1167	Sep 22 2016	10:42:17.6	6.83	-72.97	163	4.9	2.8	54	126	LOS SANTOS (SANTANDER)*
1181	Sep 22 2016	20:01:55.0	0.87	-77.11	Sup	3.3	0.6	161	33	ORITO (PUTUMAYO)*

\*Eventos Sísmicos reportados como sentidos

## RED SISMOLOGICA NACIONAL DE COLOMBIA

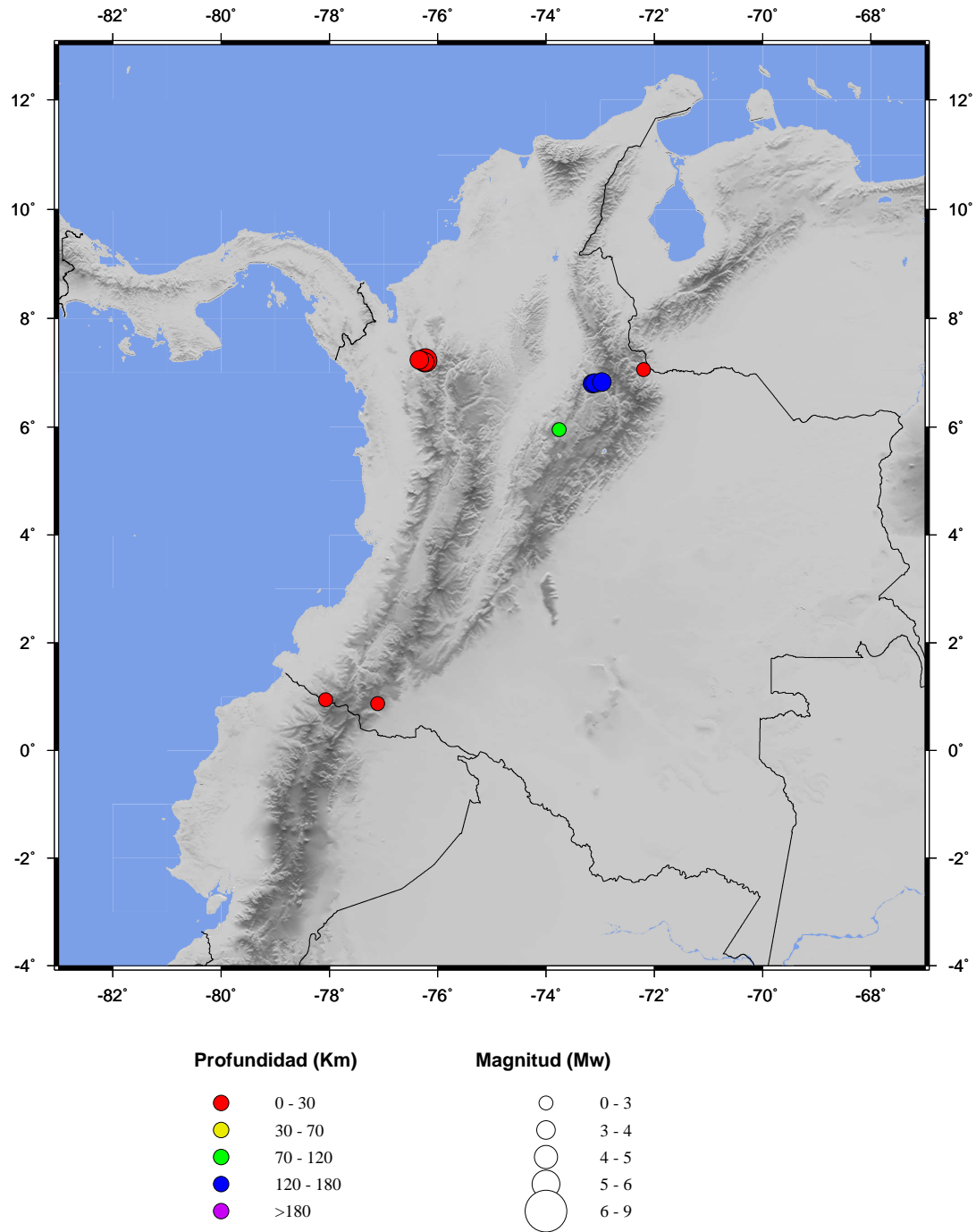


Figura 2: Sismos destacados localizados por la RSNC, durante septiembre de 2016.



## RED SISMOLOGICA NACIONAL DE COLOMBIA

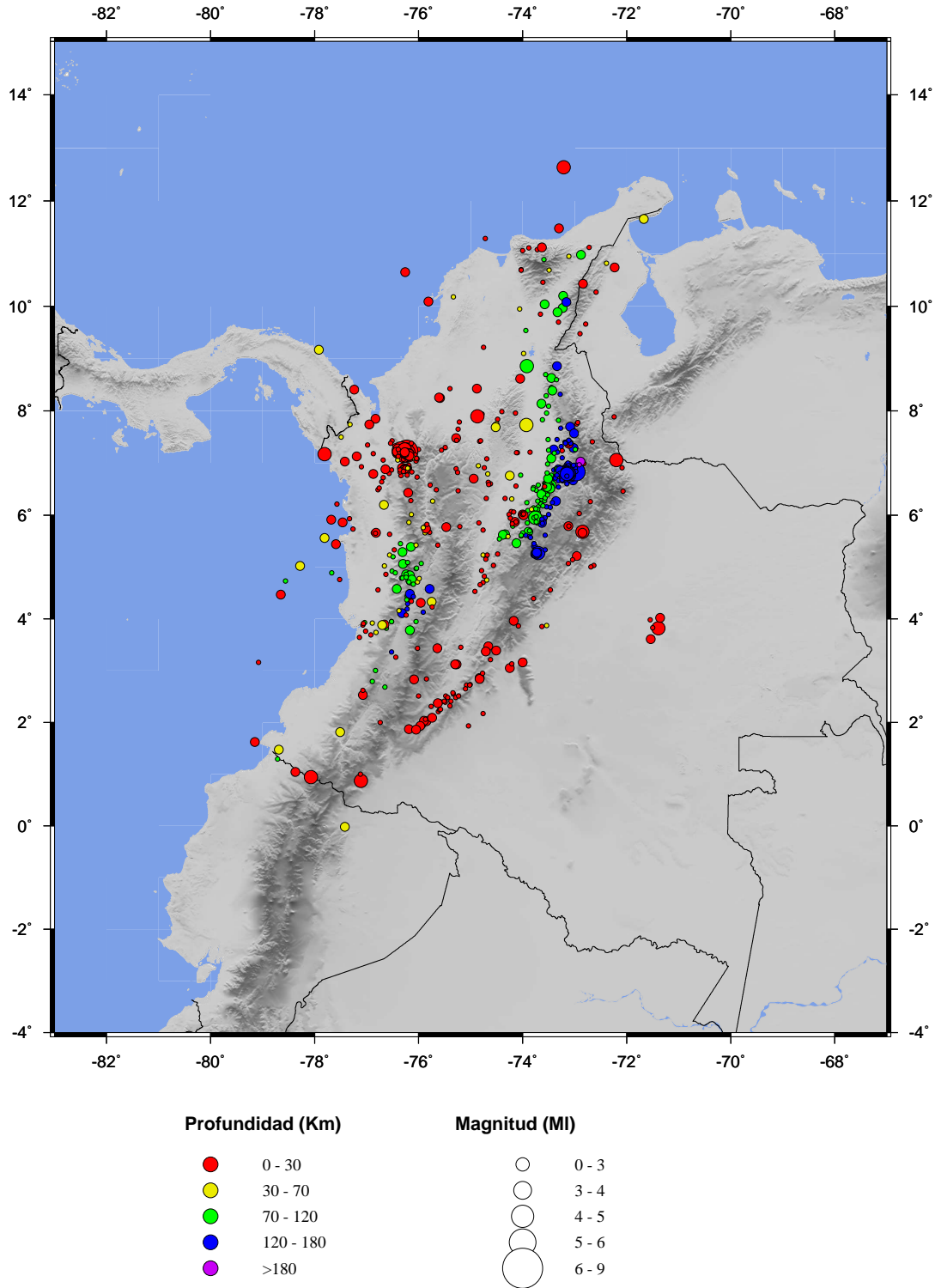


Figura 3: Sismicidad registrada por la RSNC durante septiembre de 2016

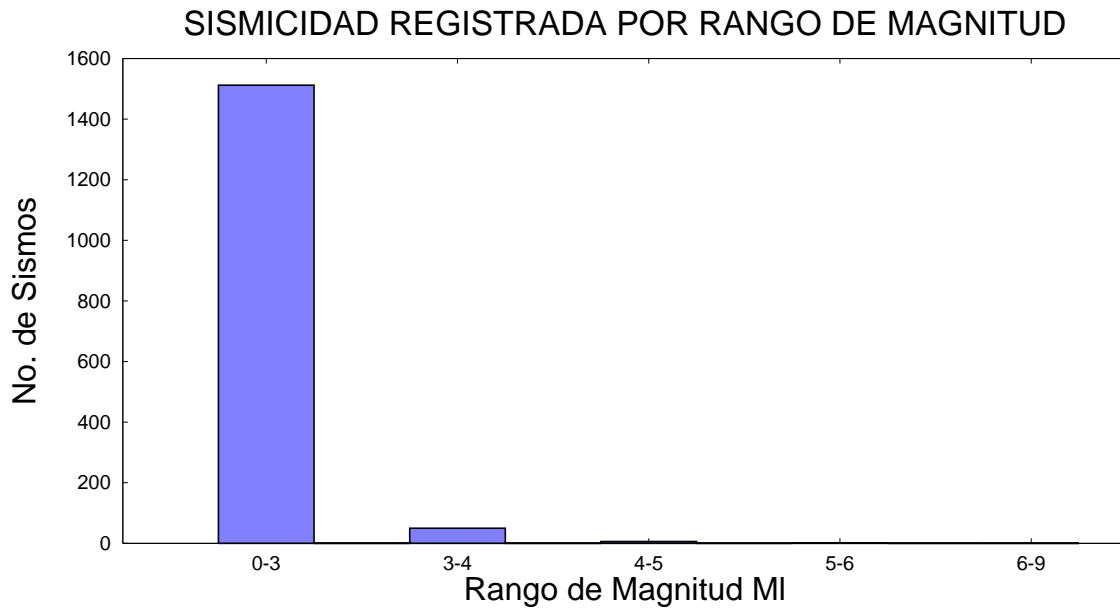


Figura 4: Número de sismos registrados por rango de magnitud, septiembre de 2016

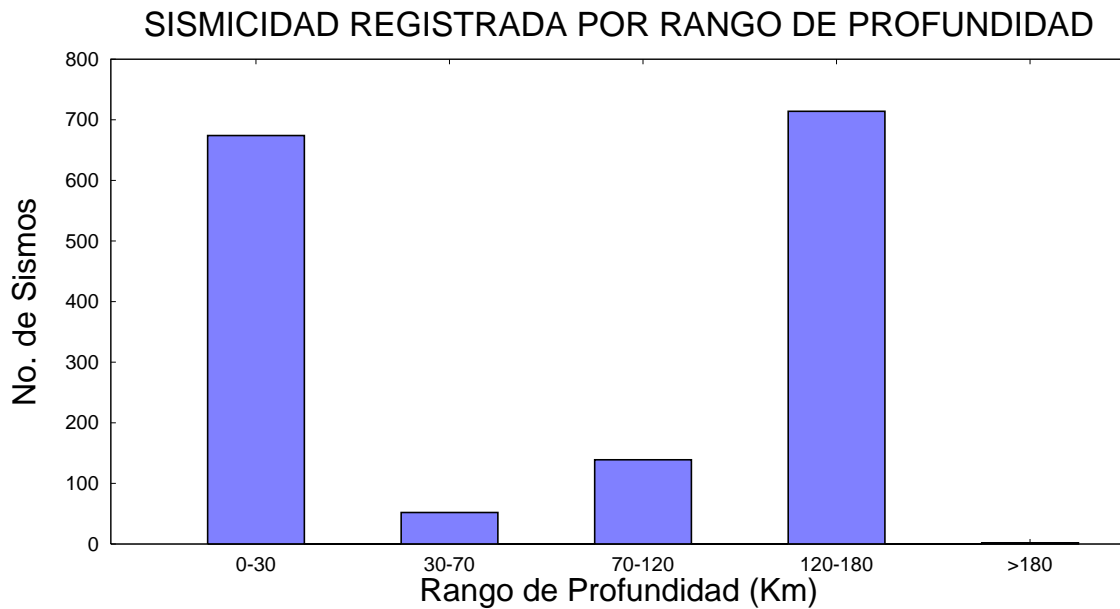


Figura 5: Número de sismos registrados por rango de profundidad, septiembre de 2016

## EVENTOS LOCALIZADOS DURANTE SEPTIEMBRE DE 2016

Cuadro 2: Listado de eventos localizados durante septiembre de 2016

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Sep 1 2016	01:21:15.1	6.79	-73.13	151	1.6	0.3	138	19	LOS SANTOS (SANTANDER)
2	Sep 1 2016	01:22: 2.4	7.29	-73.02	168	2.4	0.3	83	36	MATANZA (SANTANDER)
3	Sep 1 2016	01:25:32.5	6.80	-73.14	146	1.5	0.5	238	12	LOS SANTOS (SANTANDER)
4	Sep 1 2016	01:28: 9.7	6.53	-73.79	74	1.4	0.8	98	12	CIMITARRA (SANTANDER)
5	Sep 1 2016	01:34:12.8	6.77	-73.13	145	2.0	0.4	139	26	LOS SANTOS (SANTANDER)
6	Sep 1 2016	01:40: 0.3	6.91	-76.29	Sup	1.1	0.3	235	8	DABEIBA (ANTIOQUIA)
7	Sep 1 2016	01:58:50.9	5.03	-72.63	Sup	1.1	0.2	257	8	TAURAMENA (CASANARE)
8	Sep 1 2016	02:06:26.5	3.86	-74.08	6	1.9	0.5	74	27	CUBARRAL (META)
9	Sep 1 2016	02:53: 8.1	6.37	-73.60	109	1.6	0.3	80	17	SANTA HELENA DEL OPON (SANTANDER)
10	Sep 1 2016	03:27:45.9	6.90	-76.22	Sup	2.1	0.5	158	24	URAMITA (ANTIOQUIA)
11	Sep 1 2016	03:28:50.6	6.76	-73.16	149	1.7	0.5	242	10	LOS SANTOS (SANTANDER)
12	Sep 1 2016	04:25:41.8	6.96	-76.19	13	1.4	0.2	171	7	URAMITA (ANTIOQUIA)
13	Sep 1 2016	04:25:53.8	7.76	-74.50	31	1.6	0.3	220	15	EL BAGRE (ANTIOQUIA)
14	Sep 1 2016	05:29:57.6	6.74	-73.14	136	1.4	0.4	233	11	LOS SANTOS (SANTANDER)
15	Sep 1 2016	06:12: 4.1	6.78	-73.10	139	1.9	0.5	187	18	LOS SANTOS (SANTANDER)
16	Sep 1 2016	06:33:42.4	6.72	-73.19	147	0.9	0.2	226	8	VILLANUEVA (SANTANDER)
17	Sep 1 2016	07:05:45.9	6.74	-73.18	145	1.4	0.4	229	10	VILLANUEVA (SANTANDER)
18	Sep 1 2016	07:20:53.5	6.90	-76.19	Sup	1.0	0.4	185	10	URAMITA (ANTIOQUIA)
19	Sep 1 2016	07:53:16.7	6.76	-73.09	140	1.5	0.3	145	13	LOS SANTOS (SANTANDER)
20	Sep 1 2016	08:09:20.4	3.84	-71.40	Sup	2.2	0.5	232	11	PUERTO GAITAN (META)
21	Sep 1 2016	08:20:59.6	6.90	-76.20	Sup	1.5	0.5	176	16	URAMITA (ANTIOQUIA)
22	Sep 1 2016	08:42:40.6	6.78	-73.11	147	1.7	0.3	186	15	LOS SANTOS (SANTANDER)
23	Sep 1 2016	08:56:45.9	6.75	-73.12	147	1.3	0.2	237	12	LOS SANTOS (SANTANDER)
24	Sep 1 2016	09:06:12.7	6.82	-73.11	141	1.5	0.3	186	13	LOS SANTOS (SANTANDER)
25	Sep 1 2016	09:14:32.0	4.81	-76.18	103	1.8	0.1	119	8	EL CAIRO (VALLE)
26	Sep 1 2016	09:26: 9.1	3.82	-76.62	82	1.9	0.3	114	8	RESTREPO (VALLE)
27	Sep 1 2016	09:30:21.1	5.66	-75.88	42	1.9	0.3	119	19	ANDES (ANTIOQUIA)
28	Sep 1 2016	10:05:59.6	4.41	-76.19	Sup	1.2	0.3	151	10	ROLDANILLO (VALLE)
29	Sep 1 2016	10:13: 4.5	6.80	-73.13	138	1.3	0.4	245	10	LOS SANTOS (SANTANDER)
30	Sep 1 2016	10:36:50.1	6.73	-73.17	148	1.5	0.2	228	10	VILLANUEVA (SANTANDER)
31	Sep 1 2016	11:17:54.3	1.88	-76.03	26	1.3	0.2	165	10	PITALITO (HUILA)
32	Sep 1 2016	13:51: 9.1	7.33	-76.25	Sup	2.4	0.8	157	33	MUTATA (ANTIOQUIA)
33	Sep 1 2016	14:11: 7.8	4.11	-76.32	134	2.8	0.7	69	52	RIOFRIO (VALLE)
34	Sep 1 2016	14:21:53.7	6.78	-73.15	143	1.8	0.4	136	18	LOS SANTOS (SANTANDER)
35	Sep 1 2016	15:31:29.4	2.53	-77.07	Sup	2.9	0.5	57	50	EL TAMBO (CAUCA)
36	Sep 1 2016	16:28:28.9	5.06	-76.30	94	2.8	0.7	92	53	SAN JOSE DEL PALMAR (CHOCO)
37	Sep 1 2016	16:38:22.1	6.76	-73.14	149	1.6	0.3	208	18	LOS SANTOS (SANTANDER)
38	Sep 1 2016	17:33:14.9	4.58	-75.79	150	2.1	0.3	82	23	MONTENEGRO (QUINDIO)
39	Sep 1 2016	17:54:59.3	6.85	-73.31	122	1.8	0.5	109	14	BETULIA (SANTANDER)
40	Sep 1 2016	18:37:11.4	6.56	-73.52	113	2.3	0.4	65	36	EL CARMEN (SANTANDER)
41	Sep 1 2016	18:49:30.7	6.91	-76.32	Sup	2.1	0.3	245	14	DABEIBA (ANTIOQUIA)
42	Sep 1 2016	19:14:11.7	6.79	-73.09	153	2.0	0.4	123	24	LOS SANTOS (SANTANDER)
43	Sep 1 2016	19:57:33.0	5.67	-75.79	Sup	1.4	0.5	98	13	JARDIN (ANTIOQUIA)
44	Sep 1 2016	20:31:35.0	6.32	-74.70	Sup	1.2	0.5	149	12	CARACOLI (ANTIOQUIA)
45	Sep 1 2016	20:44:40.5	6.79	-73.16	147	1.6	0.3	134	14	LOS SANTOS (SANTANDER)
46	Sep 1 2016	21:57:44.6	6.82	-73.12	142	2.6	0.6	71	42	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
47	Sep 1 2016	22:56:45.1	6.65	-73.44	120	1.7	0.5	78	18	EL CARMEN (SANTANDER)
48	Sep 1 2016	23:39:40.7	6.78	-73.15	149	1.4	0.4	137	14	LOS SANTOS (SANTANDER)
49	Sep 2 2016	01:16:12.2	6.92	-76.25	Sup	1.4	0.3	218	9	DABEIBA (ANTIOQUIA)
50	Sep 2 2016	01:26:31.1	4.31	-75.96	17	2.3	0.3	74	19	SEVILLA (VALLE)
51	Sep 2 2016	02:32:55.9	6.78	-73.14	149	2.0	0.4	137	24	LOS SANTOS (SANTANDER)
52	Sep 2 2016	03:14:48.4	7.65	-75.24	Sup	1.7	0.5	182	18	CACERES (ANTIOQUIA)
53	Sep 2 2016	03:34:48.9	6.88	-76.24	Sup	2.3	0.5	113	26	URAMITA (ANTIOQUIA)
54	Sep 2 2016	03:36:13.1	6.89	-76.27	Sup	2.1	0.5	224	22	DABEIBA (ANTIOQUIA)
55	Sep 2 2016	03:44:32.5	6.78	-73.18	132	1.3	0.2	142	8	LOS SANTOS (SANTANDER)
56	Sep 2 2016	04:13:12.4	6.05	-73.67	110	0.9	0.4	133	8	CHIPATA (SANTANDER)
57	Sep 2 2016	04:55:22.9	6.81	-73.13	152	3.5	0.5	53	90	LOS SANTOS (SANTANDER)
58	Sep 2 2016	05:23:41.1	6.73	-73.15	143	1.4	0.4	231	12	LOS SANTOS (SANTANDER)
59	Sep 2 2016	05:47:44.7	7.85	-76.83	16	2.2	0.4	157	25	CAREPA (ANTIOQUIA)
60	Sep 2 2016	05:52:23.7	6.77	-73.12	143	1.2	0.3	237	11	LOS SANTOS (SANTANDER)
61	Sep 2 2016	06:12: 0.5	6.76	-73.16	141	1.2	0.4	136	11	LOS SANTOS (SANTANDER)
62	Sep 2 2016	06:27:19.1	6.09	-73.72	118	0.8	0.3	110	8	EL PENON (SANTANDER)
63	Sep 2 2016	07:15:45.8	6.76	-73.09	148	1.1	0.3	144	13	LOS SANTOS (SANTANDER)
64	Sep 2 2016	07:24:44.0	6.78	-73.14	144	1.8	0.4	138	22	LOS SANTOS (SANTANDER)
65	Sep 2 2016	07:26: 2.3	6.79	-73.15	143	1.3	0.5	136	14	LOS SANTOS (SANTANDER)
66	Sep 2 2016	07:26:43.0	6.84	-73.16	139	1.3	0.3	132	9	ZAPATOCA (SANTANDER)
67	Sep 2 2016	08:26:28.0	6.74	-73.18	144	1.2	0.4	229	8	VILLANUEVA (SANTANDER)
68	Sep 2 2016	08:51: 1.6	7.08	-76.31	Sup	1.4	0.3	244	15	DABEIBA (ANTIOQUIA)
69	Sep 2 2016	09:01: 3.0	6.82	-73.14	149	2.4	0.4	71	45	LOS SANTOS (SANTANDER)
70	Sep 2 2016	09:30:57.6	6.74	-73.52	111	1.1	0.3	140	9	EL CARMEN (SANTANDER)
71	Sep 2 2016	09:42: 7.2	6.77	-73.13	147	1.6	0.2	139	14	LOS SANTOS (SANTANDER)
72	Sep 2 2016	09:47:26.6	4.19	-76.22	124	1.6	0.3	140	12	ANDALUCIA (VALLE)
73	Sep 2 2016	09:53:23.1	6.75	-73.14	150	1.7	0.3	138	12	LOS SANTOS (SANTANDER)
74	Sep 2 2016	10:08:59.0	6.87	-76.52	Sup	1.3	0.3	255	12	MURINDO (ANTIOQUIA)
75	Sep 2 2016	10:12: 9.7	6.91	-72.09	Sup	1.9	0.7	106	24	CUBARA (BOYACA)
76	Sep 2 2016	10:30:45.0	5.67	-72.81	Sup	1.6	0.5	151	21	MONGUI (BOYACA)
77	Sep 2 2016	10:32:24.7	6.88	-73.13	143	1.1	0.2	282	8	PIEDRECUESTA (SANTANDER)
78	Sep 2 2016	10:42:31.9	5.68	-72.85	Sup	3.1	0.7	99	45	MONGUI (BOYACA)
79	Sep 2 2016	11:09:33.1	6.60	-74.62	Sup	1.1	0.3	131	12	MACEO (ANTIOQUIA)
80	Sep 2 2016	11:42: 7.6	5.33	-73.75	145	1.6	0.3	128	18	LENGUAZAQUE (CUNDINAMARCA)
81	Sep 2 2016	12:44:45.7	6.80	-73.14	149	1.6	0.3	209	18	LOS SANTOS (SANTANDER)
82	Sep 2 2016	13:32:29.3	6.86	-73.10	148	2.7	0.6	121	46	LOS SANTOS (SANTANDER)
83	Sep 2 2016	13:43:51.3	3.76	-77.02	22	1.9	0.7	122	18	BUENAVENTURA (VALLE)
84	Sep 2 2016	13:47:39.7	5.68	-73.89	111	2.0	0.7	183	11	BRICENO (BOYACA)
85	Sep 2 2016	14:26:46.0	5.63	-76.56	Sup	1.2	0.2	269	7	QUIBDO (CHOCO)
86	Sep 2 2016	17:53:20.0	6.78	-73.14	148	1.9	0.3	138	16	LOS SANTOS (SANTANDER)
87	Sep 2 2016	18:37: 6.5	6.95	-73.12	160	2.2	0.4	130	17	PIEDRECUESTA (SANTANDER)
88	Sep 2 2016	18:46: 2.7	6.79	-73.15	149	1.5	0.0	141	6	LOS SANTOS (SANTANDER)
89	Sep 2 2016	19:15:40.9	6.75	-73.11	145	1.6	0.1	142	7	LOS SANTOS (SANTANDER)
90	Sep 2 2016	21:06:35.4	6.79	-73.15	147	1.6	0.3	136	13	LOS SANTOS (SANTANDER)
91	Sep 2 2016	22:10:28.0	6.79	-73.11	143	1.9	0.4	141	18	LOS SANTOS (SANTANDER)
92	Sep 2 2016	22:15: 1.3	6.82	-73.16	159	1.3	0.6	133	10	LOS SANTOS (SANTANDER)
93	Sep 2 2016	23:39:23.2	6.78	-73.14	141	1.9	0.3	137	15	LOS SANTOS (SANTANDER)
94	Sep 3 2016	00:11:22.4	6.03	-72.91	18	1.6	0.5	220	10	BELEN (BOYACA)
95	Sep 3 2016	00:24:59.5	6.78	-73.16	141	1.4	0.1	135	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
96	Sep 3 2016	00:36:39.8	5.66	-72.85	Sup	2.4	0.5	154	26	MONGUI (BOYACA)
97	Sep 3 2016	00:54:44.6	6.78	-73.14	147	1.5	0.4	236	10	LOS SANTOS (SANTANDER)
98	Sep 3 2016	00:58:20.0	9.95	-74.06	61	1.6	0.4	140	10	SABANAS DE SAN ANGEL (MAGDALENA)
99	Sep 3 2016	02:00:28.0	6.76	-73.15	148	1.2	0.4	234	10	LOS SANTOS (SANTANDER)
100	Sep 3 2016	03:07: 5.3	3.16	-79.08	23	1.7	0.5	286	12	O. PACIFICO SUR ()
101	Sep 3 2016	03:15:50.0	6.70	-73.17	143	1.2	0.3	227	8	VILLANUEVA (SANTANDER)
102	Sep 3 2016	03:22:26.0	5.07	-73.12	Sup	1.4	0.6	128	14	CAMPOHERMOSO (BOYACA)
103	Sep 3 2016	03:23:30.5	6.76	-73.11	145	1.7	0.4	143	15	LOS SANTOS (SANTANDER)
104	Sep 3 2016	03:27:56.1	6.56	-74.13	21	1.1	0.3	143	9	PUERTO PARRA (SANTANDER)
105	Sep 3 2016	03:50:18.0	2.55	-75.33	23	1.3	0.4	263	9	ALGECIRAS (HUILA)
106	Sep 3 2016	04:27:19.7	6.75	-73.15	145	1.0	0.5	232	9	LOS SANTOS (SANTANDER)
107	Sep 3 2016	04:49:14.9	8.09	-73.50	102	1.6	0.5	166	12	SAN MARTIN (CESAR)
108	Sep 3 2016	04:52:40.9	6.92	-76.28	Sup	1.6	0.5	219	17	DABEIBA (ANTIOQUIA)
109	Sep 3 2016	05:08:45.8	6.79	-73.11	148	2.1	0.5	121	28	LOS SANTOS (SANTANDER)
110	Sep 3 2016	05:27:29.3	6.79	-73.12	141	2.0	0.5	72	26	LOS SANTOS (SANTANDER)
111	Sep 3 2016	05:43:41.0	6.90	-76.31	Sup	1.1	0.5	238	8	DABEIBA (ANTIOQUIA)
112	Sep 3 2016	05:47: 3.2	6.22	-73.81	99	0.9	0.3	124	8	LANDAZURI (SANTANDER)
113	Sep 3 2016	06:17:33.2	6.87	-73.40	120	1.6	0.3	85	24	SAN VICENTE DE CHUCURI (SANTANDER)
114	Sep 3 2016	07:18:54.0	3.98	-71.55	Sup	1.7	0.3	270	10	PUERTO GAITAN (META)
115	Sep 3 2016	08:19:56.4	7.31	-76.15	26	1.6	0.2	128	16	MUTATA (ANTIOQUIA)
116	Sep 3 2016	08:31: 4.2	6.77	-73.16	147	1.2	0.4	233	10	LOS SANTOS (SANTANDER)
117	Sep 3 2016	09:50:28.7	3.82	-71.39	Sup	3.4	0.5	217	68	PUERTO GAITAN (META)
118	Sep 3 2016	10:10: 3.5	6.80	-73.12	148	2.2	0.5	121	42	LOS SANTOS (SANTANDER)
119	Sep 3 2016	11:26:49.2	6.79	-73.16	144	1.4	0.2	135	14	LOS SANTOS (SANTANDER)
120	Sep 3 2016	13:28:46.9	10.04	-73.58	86	2.2	0.4	99	20	BOSCONIA (CESAR)
121	Sep 3 2016	13:42: 9.5	4.16	-76.38	62	1.4	0.2	123	8	TRUJILLO (VALLE)
122	Sep 3 2016	14:02:10.8	6.87	-73.29	123	1.7	0.4	107	24	BETULIA (SANTANDER)
123	Sep 3 2016	15:01: 3.4	6.80	-73.10	145	1.7	0.3	141	20	LOS SANTOS (SANTANDER)
124	Sep 3 2016	15:24:35.1	7.08	-74.69	25	1.6	0.4	130	12	SEGOVIA (ANTIOQUIA)
125	Sep 3 2016	15:45:17.5	6.84	-73.16	151	1.8	0.5	132	15	LOS SANTOS (SANTANDER)
126	Sep 3 2016	16:24:23.6	6.80	-73.13	152	1.7	0.5	138	13	LOS SANTOS (SANTANDER)
127	Sep 3 2016	16:43:49.0	6.86	-76.31	Sup	1.7	0.6	167	14	URAMITA (ANTIOQUIA)
128	Sep 3 2016	16:47:58.9	6.87	-76.32	Sup	1.5	0.8	236	12	DABEIBA (ANTIOQUIA)
129	Sep 3 2016	18:26:30.4	10.09	-75.81	26	2.8	0.3	189	21	MAR CARIBE ()
130	Sep 3 2016	18:41:54.5	1.95	-75.91	24	1.7	0.0	140	7	TIMANA (HUILA)
131	Sep 3 2016	20:32:44.5	6.74	-73.13	147	1.3	0.4	140	8	LOS SANTOS (SANTANDER)
132	Sep 3 2016	21:18:32.9	4.02	-71.36	Sup	2.5	0.6	231	16	OROCUE (CASANARE)
133	Sep 3 2016	21:27:42.7	6.77	-73.12	145	1.7	0.4	141	14	LOS SANTOS (SANTANDER)
134	Sep 3 2016	21:36:31.6	6.77	-73.10	146	1.6	0.3	143	10	LOS SANTOS (SANTANDER)
135	Sep 3 2016	22:15:16.9	6.78	-73.11	146	2.0	0.5	141	19	LOS SANTOS (SANTANDER)
136	Sep 3 2016	22:29:22.4	6.30	-73.63	111	1.4	0.5	103	10	SANTA HELENA DEL OPO (SANTANDER)
137	Sep 3 2016	23:23:29.7	7.84	-74.48	27	1.9	0.4	201	10	NECHI (ANTIOQUIA)
138	Sep 4 2016	00:08:46.9	6.77	-73.15	141	1.8	0.4	137	16	LOS SANTOS (SANTANDER)
139	Sep 4 2016	00:19:47.3	2.38	-75.67	Sup	1.5	0.3	168	10	TESALIA (HUILA)
140	Sep 4 2016	02:29:26.9	6.76	-73.09	150	1.6	0.3	145	11	LOS SANTOS (SANTANDER)
141	Sep 4 2016	03:14:40.0	7.35	-76.98	8	1.7	0.5	91	17	RIOSUCIO (CHOCO)
142	Sep 4 2016	03:50:38.9	3.05	-74.25	Sup	2.0	0.4	89	23	URIBE (META)
143	Sep 4 2016	04:00:32.5	4.56	-73.47	Sup	1.6	0.5	89	15	GACHALA (CUNDINAMARCA)
144	Sep 4 2016	04:04:55.0	6.77	-73.16	146	1.5	0.4	136	13	LOS SANTOS (SANTANDER)
145	Sep 4 2016	04:27:40.1	6.75	-73.18	152	1.3	0.3	230	9	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
146	Sep 4 2016	04:30:34.7	7.73	-74.54	46	1.3	0.4	216	10	EL BAGRE (ANTIOQUIA)
147	Sep 4 2016	05:34:32.1	6.79	-73.13	143	2.0	0.5	138	23	LOS SANTOS (SANTANDER)
148	Sep 4 2016	05:54:19.3	4.86	-76.24	102	2.1	0.4	134	22	EL CAIRO (VALLE)
149	Sep 4 2016	06:12: 5.0	8.86	-73.92	100	3.5	0.5	43	69	TAMALAMEQUE (CESAR)
150	Sep 4 2016	06:46:15.3	6.80	-73.18	139	1.4	0.3	235	12	ZAPATOCA (SANTANDER)
151	Sep 4 2016	06:53: 0.1	1.93	-75.04	Sup	1.8	0.4	159	9	PUERTO RICO (CAQUETA)
152	Sep 4 2016	07:38: 8.7	5.93	-77.33	Sup	1.8	0.3	212	11	O. PACIFICO NORTE ()
153	Sep 4 2016	08:56:37.0	6.81	-73.16	148	1.9	0.4	103	25	LOS SANTOS (SANTANDER)
154	Sep 4 2016	09:25:25.7	6.81	-73.11	150	1.4	0.4	242	12	LOS SANTOS (SANTANDER)
155	Sep 4 2016	09:30:23.8	8.86	-73.34	123	2.0	0.5	164	21	PAILITAS (CESAR)
156	Sep 4 2016	09:39: 7.1	6.82	-73.15	144	1.4	0.3	244	10	LOS SANTOS (SANTANDER)
157	Sep 4 2016	10:06:51.0	6.91	-76.20	Sup	1.9	0.5	188	16	URAMITA (ANTIOQUIA)
158	Sep 4 2016	10:14:46.5	6.72	-73.15	142	1.7	0.4	156	10	JORDAN (SANTANDER)
159	Sep 4 2016	10:22: 3.6	6.91	-76.24	Sup	1.9	0.5	197	14	URAMITA (ANTIOQUIA)
160	Sep 4 2016	10:28:26.8	6.80	-76.57	8	1.7	0.5	258	12	MURINDO (ANTIOQUIA)
161	Sep 4 2016	12:04:41.4	6.82	-73.15	141	2.4	0.5	70	32	LOS SANTOS (SANTANDER)
162	Sep 4 2016	12:17:15.1	6.72	-73.17	147	1.6	0.3	228	10	VILLANUEVA (SANTANDER)
163	Sep 4 2016	12:58:39.0	6.58	-73.44	119	2.4	0.5	58	30	EL CARMEN (SANTANDER)
164	Sep 4 2016	13:24:54.2	6.75	-73.13	155	1.5	0.2	236	8	LOS SANTOS (SANTANDER)
165	Sep 4 2016	13:27:44.8	6.81	-73.13	146	2.2	0.4	137	26	LOS SANTOS (SANTANDER)
166	Sep 4 2016	13:59: 6.4	6.81	-73.15	148	2.3	0.4	135	30	LOS SANTOS (SANTANDER)
167	Sep 4 2016	14:57: 0.9	3.88	-77.07	21	1.7	0.4	131	8	BUENAVENTURA (VALLE)
168	Sep 4 2016	15:37:26.7	7.26	-73.40	121	2.4	0.5	77	28	SABANA DE TORRES (SANTANDER)
169	Sep 4 2016	15:44: 0.4	6.82	-73.12	141	2.8	0.5	138	37	LOS SANTOS (SANTANDER)
170	Sep 4 2016	15:55:14.2	6.88	-73.31	124	2.0	0.5	102	20	BETULIA (SANTANDER)
171	Sep 4 2016	16:08:15.6	5.20	-74.71	25	1.6	0.3	169	13	HONDA (TOLIMA)
172	Sep 4 2016	16:54:53.5	11.48	-73.30	8	2.3	0.3	190	11	MAR CARIBE ()
173	Sep 4 2016	17:42:38.6	4.42	-76.14	128	1.9	0.6	107	14	ROLDANILLO (VALLE)
174	Sep 4 2016	18:37:39.4	6.80	-73.12	143	2.5	0.5	121	35	LOS SANTOS (SANTANDER)
175	Sep 4 2016	19:18:54.7	6.84	-73.10	149	1.8	0.5	245	10	LOS SANTOS (SANTANDER)
176	Sep 4 2016	19:19:51.9	6.76	-73.19	154	1.2	0.2	229	7	LOS SANTOS (SANTANDER)
177	Sep 4 2016	20:56: 1.5	7.73	-73.93	62	3.4	0.6	35	82	SIMITI (BOLIVAR)
178	Sep 4 2016	22:27:51.9	6.75	-73.18	152	1.5	0.4	230	10	LOS SANTOS (SANTANDER)
179	Sep 4 2016	22:57:49.6	6.32	-74.34	20	1.3	0.3	114	11	PUERTO BERRIO (ANTIOQUIA)
180	Sep 5 2016	00:15:30.7	8.41	-77.24	Sup	2.0	0.4	169	8	ACANDI (CHOCO)
181	Sep 5 2016	00:35:30.5	6.82	-73.14	149	1.9	0.5	136	17	LOS SANTOS (SANTANDER)
182	Sep 5 2016	01:29:54.5	3.12	-75.27	Sup	2.1	0.4	127	17	AIPE (HUILA)
183	Sep 5 2016	01:40:12.3	5.86	-76.19	50	1.0	0.1	282	7	EL CARMEN (CHOCO)
184	Sep 5 2016	02:19:10.1	6.85	-73.14	152	1.3	0.2	134	10	LOS SANTOS (SANTANDER)
185	Sep 5 2016	03:41: 3.3	2.32	-75.40	Sup	1.3	0.6	126	15	GIGANTE (HUILA)
186	Sep 5 2016	04:50:21.5	7.96	-74.14	25	1.2	0.0	240	7	SANTA ROSA DEL SUR (BOLIVAR)
187	Sep 5 2016	05:16: 9.0	6.81	-73.13	150	2.6	0.5	66	50	LOS SANTOS (SANTANDER)
188	Sep 5 2016	05:49:34.6	1.04	-78.37	22	2.0	0.2	151	11	FRONTERA CON ECUADOR ()
189	Sep 5 2016	06:31:17.0	6.80	-73.14	150	2.7	0.3	55	51	LOS SANTOS (SANTANDER)
190	Sep 5 2016	06:50:24.9	6.89	-73.34	118	1.8	0.5	152	18	BETULIA (SANTANDER)
191	Sep 5 2016	06:58:28.1	6.78	-73.13	150	1.3	0.3	138	13	LOS SANTOS (SANTANDER)
192	Sep 5 2016	07:22:18.9	5.63	-74.34	83	2.0	0.4	70	31	LA VICTORIA (BOYACA)
193	Sep 5 2016	08:40:36.6	7.14	-76.18	Sup	1.3	0.5	215	12	DABEIBA (ANTIOQUIA)
194	Sep 5 2016	10:01:29.3	5.02	-76.66	62	1.1	0.2	235	10	CONDOTO (CHOCO)
195	Sep 5 2016	10:17:23.6	5.33	-76.47	28	1.0	0.3	245	12	BAGADO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
196	Sep 5 2016	11:27:25.1	6.79	-73.16	143	1.7	0.2	134	17	LOS SANTOS (SANTANDER)
197	Sep 5 2016	12:48:28.3	6.80	-73.11	154	1.6	0.3	141	18	LOS SANTOS (SANTANDER)
198	Sep 5 2016	13:06:27.6	6.80	-73.15	133	1.7	0.3	135	18	LOS SANTOS (SANTANDER)
199	Sep 5 2016	15:02:55.9	6.84	-73.16	147	1.7	0.3	240	12	LOS SANTOS (SANTANDER)
200	Sep 5 2016	15:40:25.9	7.11	-76.24	Sup	1.5	0.5	239	10	DABEIBA (ANTIOQUIA)
201	Sep 5 2016	19:07:52.5	2.39	-75.60	18	1.8	0.2	190	10	GIGANTE (HUILA)
202	Sep 5 2016	19:28:22.6	6.78	-73.17	145	1.6	0.3	141	10	LOS SANTOS (SANTANDER)
203	Sep 5 2016	21:01:58.5	3.13	-74.21	Sup	1.7	0.4	195	12	URIBE (META)
204	Sep 5 2016	21:04:58.3	5.07	-75.95	110	1.3	0.2	156	8	SANTUARIO (RISARALDA)
205	Sep 5 2016	21:05:38.2	6.82	-73.07	154	3.5	0.6	53	77	LOS SANTOS (SANTANDER)
206	Sep 5 2016	21:27:38.7	4.70	-74.76	7	1.5	0.4	151	20	PULI (CUNDINAMARCA)
207	Sep 5 2016	22:00:45.2	5.26	-73.70	147	1.8	0.4	87	24	LENGUAZAQUE (CUNDINAMARCA)
208	Sep 5 2016	22:19:39.5	6.79	-73.07	149	1.4	0.3	146	12	LOS SANTOS (SANTANDER)
209	Sep 5 2016	22:37: 2.3	4.66	-74.82	15	1.4	0.6	182	9	VENADILLO (TOLIMA)
210	Sep 5 2016	23:16:32.1	8.43	-74.88	Sup	2.9	0.7	63	54	SAN JACINTO DEL CAUCA (BOLIVAR)
211	Sep 5 2016	23:38:28.6	3.36	-76.52	136	1.7	0.3	100	16	CALI (VALLE)
212	Sep 5 2016	23:45:17.0	6.81	-73.11	150	2.9	0.6	53	66	LOS SANTOS (SANTANDER)
213	Sep 5 2016	23:50: 2.7	6.81	-73.09	149	2.3	0.4	123	44	LOS SANTOS (SANTANDER)
214	Sep 6 2016	01:11:56.6	3.74	-76.82	57	1.3	0.4	126	7	DAGUA (VALLE)
215	Sep 6 2016	01:41: 6.7	2.06	-75.61	38	0.6	0.2	132	6	GARZON (HUILA)
216	Sep 6 2016	02:13:48.5	7.99	-74.40	12	1.4	0.5	215	12	MONTECRISTO (BOLIVAR)
217	Sep 6 2016	02:52:36.4	4.74	-76.16	94	2.8	0.4	118	53	ARGELIA (VALLE)
218	Sep 6 2016	03:01:26.7	6.80	-73.14	147	1.5	0.3	137	9	LOS SANTOS (SANTANDER)
219	Sep 6 2016	03:13: 8.5	6.71	-73.13	148	1.9	0.3	142	13	JORDAN (SANTANDER)
220	Sep 6 2016	03:17:59.6	7.26	-76.00	Sup	1.4	0.3	224	8	ITUANGO (ANTIOQUIA)
221	Sep 6 2016	03:24:36.8	6.83	-76.13	Sup	1.4	0.4	238	14	FRONTINO (ANTIOQUIA)
222	Sep 6 2016	04:26: 9.9	6.80	-73.13	148	1.7	0.3	138	13	LOS SANTOS (SANTANDER)
223	Sep 6 2016	04:44:43.4	6.77	-73.11	142	1.7	0.3	142	15	LOS SANTOS (SANTANDER)
224	Sep 6 2016	05:42:15.6	5.21	-74.72	29	0.9	0.1	215	8	HONDA (TOLIMA)
225	Sep 6 2016	06:03: 1.4	6.78	-73.07	149	1.6	0.5	243	11	LOS SANTOS (SANTANDER)
226	Sep 6 2016	06:30: 4.5	6.77	-73.13	146	1.8	0.2	139	13	LOS SANTOS (SANTANDER)
227	Sep 6 2016	06:58:21.9	5.25	-73.69	146	1.7	0.5	80	17	LENGUAZAQUE (CUNDINAMARCA)
228	Sep 6 2016	07:52: 9.0	6.81	-73.15	152	1.8	0.4	118	20	LOS SANTOS (SANTANDER)
229	Sep 6 2016	08:11: 0.6	5.74	-75.86	16	2.6	0.8	90	55	PUEBLORRICO (ANTIOQUIA)
230	Sep 6 2016	08:52:34.8	6.78	-73.14	151	1.2	0.4	138	11	LOS SANTOS (SANTANDER)
231	Sep 6 2016	08:53:58.8	6.74	-73.09	137	0.7	0.4	145	9	JORDAN (SANTANDER)
232	Sep 6 2016	10:03:25.3	4.97	-76.05	115	1.4	0.3	109	12	LA CELIA (RISARALDA)
233	Sep 6 2016	10:16:26.3	5.45	-73.78	137	1.9	0.4	118	22	SUSA (CUNDINAMARCA)
234	Sep 6 2016	10:36:46.0	6.76	-73.14	146	1.5	0.3	235	11	LOS SANTOS (SANTANDER)
235	Sep 6 2016	11:10:51.2	6.77	-73.12	142	1.9	0.4	141	20	LOS SANTOS (SANTANDER)
236	Sep 6 2016	11:25:16.0	6.67	-73.03	171	2.4	0.4	157	27	ARATOCA (SANTANDER)
237	Sep 6 2016	11:34:38.4	7.45	-73.34	121	1.4	0.2	258	10	EL PLAYON (SANTANDER)
238	Sep 6 2016	12:18: 7.0	6.80	-73.13	146	1.5	0.3	239	10	LOS SANTOS (SANTANDER)
239	Sep 6 2016	15:59:58.0	2.48	-75.45	24	1.8	0.3	242	8	HOBO (HUILA)
240	Sep 6 2016	16:11:41.6	4.56	-76.78	11	1.5	0.2	273	8	SIPI (CHOCO)
241	Sep 6 2016	17:45:51.0	6.76	-73.14	143	1.8	0.3	139	12	LOS SANTOS (SANTANDER)
242	Sep 6 2016	21:05:52.8	6.76	-76.34	10	1.9	0.4	241	15	URAMITA (ANTIOQUIA)
243	Sep 6 2016	21:37:40.4	6.79	-73.15	150	2.5	0.4	100	33	LOS SANTOS (SANTANDER)
244	Sep 6 2016	21:49: 7.1	6.79	-73.14	147	2.2	0.4	137	22	LOS SANTOS (SANTANDER)
245	Sep 6 2016	22:38: 2.0	6.76	-73.10	140	1.9	0.2	144	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
246	Sep 6 2016	23:18: 8.5	6.54	-73.31	131	1.2	0.4	110	8	HATO (SANTANDER)
247	Sep 6 2016	23:46:42.1	5.73	-77.26	Sup	1.5	0.4	214	9	O. PACIFICO NORTE ()
248	Sep 7 2016	00:54:15.1	6.79	-73.04	151	1.6	0.4	247	9	LOS SANTOS (SANTANDER)
249	Sep 7 2016	00:58:21.6	5.94	-73.77	113	1.3	0.4	130	12	SUCRE (SANTANDER)
250	Sep 7 2016	01:09:49.2	6.78	-73.13	144	1.8	0.3	138	18	LOS SANTOS (SANTANDER)
251	Sep 7 2016	03:12:19.9	6.86	-73.11	146	1.4	0.2	282	7	LOS SANTOS (SANTANDER)
252	Sep 7 2016	03:28: 9.6	6.91	-73.09	142	1.6	0.2	251	9	PIEDRECUESTA (SANTANDER)
253	Sep 7 2016	03:33:11.5	6.79	-73.15	149	1.6	0.3	136	13	LOS SANTOS (SANTANDER)
254	Sep 7 2016	05:07:24.6	6.77	-73.15	151	1.7	0.2	137	13	LOS SANTOS (SANTANDER)
255	Sep 7 2016	05:38:34.1	6.81	-73.10	148	2.5	0.5	54	41	LOS SANTOS (SANTANDER)
256	Sep 7 2016	05:41:51.0	6.80	-73.15	149	2.0	0.4	135	17	LOS SANTOS (SANTANDER)
257	Sep 7 2016	05:48:22.8	2.51	-76.00	Sup	1.1	0.3	136	9	INZA (CAUCA)
258	Sep 7 2016	06:51:24.1	2.86	-74.83	Sup	2.2	0.5	87	22	BARAYA (HUILA)
259	Sep 7 2016	06:58: 9.8	6.85	-73.16	148	1.7	0.4	132	12	LOS SANTOS (SANTANDER)
260	Sep 7 2016	07:48:47.2	5.02	-78.28	32	2.2	0.4	235	26	O. PACIFICO CENTRO ()
261	Sep 7 2016	07:55:12.4	7.20	-74.10	Sup	1.4	0.2	172	8	PUERTO WILCHES (SANTANDER)
262	Sep 7 2016	07:55:50.7	6.75	-73.16	150	1.5	0.4	232	8	LOS SANTOS (SANTANDER)
263	Sep 7 2016	08:14:12.9	6.75	-73.14	147	1.5	0.2	233	11	LOS SANTOS (SANTANDER)
264	Sep 7 2016	08:45:54.8	1.87	-76.19	Sup	2.2	0.3	123	22	ISNOS (HUILA)
265	Sep 7 2016	09:31:52.7	6.82	-73.11	146	1.7	0.4	186	17	LOS SANTOS (SANTANDER)
266	Sep 7 2016	09:54:10.3	3.43	-76.02	Sup	1.4	0.3	167	8	PRADERA (VALLE)
267	Sep 7 2016	10:02:41.5	5.80	-75.90	55	0.6	0.2	106	8	HISPANIA (ANTIOQUIA)
268	Sep 7 2016	10:39:18.2	6.79	-73.14	140	1.7	0.3	183	19	LOS SANTOS (SANTANDER)
269	Sep 7 2016	10:43:29.4	7.41	-72.66	Sup	1.3	0.3	311	8	PAMPLONITA (N.SANTANDER)
270	Sep 7 2016	12:15:31.7	6.80	-73.18	142	2.8	0.4	116	54	ZAPATOCA (SANTANDER)
271	Sep 7 2016	12:27:35.8	7.25	-73.50	110	1.3	0.3	234	8	SABANA DE TORRES (SANTANDER)
272	Sep 7 2016	13:18:26.4	5.85	-73.91	106	1.4	0.3	131	14	LA BELLEZA (SANTANDER)
273	Sep 7 2016	13:28:21.7	2.73	-75.01	Sup	1.7	0.3	200	10	RIVERA (HUILA)
274	Sep 7 2016	14:53:50.0	4.29	-76.21	138	1.8	0.3	150	11	BOLIVAR (VALLE)
275	Sep 7 2016	15:10:24.5	6.87	-73.16	141	1.5	0.3	245	12	BETULIA (SANTANDER)
276	Sep 7 2016	15:18:39.2	7.63	-73.02	Sup	1.4	0.4	227	10	CACHIRA (N.SANTANDER)
277	Sep 7 2016	15:27:55.1	6.83	-73.13	142	1.4	0.2	246	10	LOS SANTOS (SANTANDER)
278	Sep 7 2016	15:51:31.8	6.80	-73.14	144	2.0	0.4	137	20	LOS SANTOS (SANTANDER)
279	Sep 7 2016	17:51: 5.9	6.77	-73.12	142	2.1	0.4	140	25	LOS SANTOS (SANTANDER)
280	Sep 7 2016	18:05:44.4	6.77	-73.13	141	2.0	0.4	139	20	LOS SANTOS (SANTANDER)
281	Sep 7 2016	18:15: 3.9	6.93	-77.10	8	1.8	0.3	288	12	MURINDO (ANTIOQUIA)
282	Sep 7 2016	19:14: 8.3	6.72	-73.11	140	1.9	0.3	143	13	JORDAN (SANTANDER)
283	Sep 7 2016	19:35:53.5	6.80	-73.36	114	1.6	0.1	116	10	SAN VICENTE DE CHUCURI (SANTANDER)
284	Sep 7 2016	20:50: 8.3	8.62	-74.05	27	2.3	0.4	104	26	ARENAL (BOLIVAR)
285	Sep 7 2016	22:29:38.8	1.81	-77.51	68	2.3	0.5	167	12	CUMBITARA (NARINO)
286	Sep 8 2016	00:00:32.9	6.77	-73.10	151	2.6	0.5	55	47	LOS SANTOS (SANTANDER)
287	Sep 8 2016	00:07:18.0	6.76	-73.15	148	1.0	0.2	137	6	LOS SANTOS (SANTANDER)
288	Sep 8 2016	00:35:32.6	6.61	-73.58	109	1.2	0.4	120	8	EL CARMEN (SANTANDER)
289	Sep 8 2016	00:48:40.8	6.80	-73.14	149	2.4	0.6	54	43	LOS SANTOS (SANTANDER)
290	Sep 8 2016	01:08:45.0	6.78	-73.10	146	1.7	0.5	142	17	LOS SANTOS (SANTANDER)
291	Sep 8 2016	01:17: 3.9	6.78	-73.12	150	1.3	0.3	140	10	LOS SANTOS (SANTANDER)
292	Sep 8 2016	01:28:52.9	5.90	-73.72	120	1.0	0.4	150	7	PUENTE NACIONAL (SANTANDER)
293	Sep 8 2016	02:44:28.2	6.90	-73.12	143	2.2	0.4	68	24	PIEDRECUESTA (SANTANDER)
294	Sep 8 2016	03:21:36.0	6.76	-73.13	152	1.3	0.3	236	10	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
295	Sep 8 2016	03:25: 1.4	6.80	-73.15	146	1.5	0.4	135	14	LOS SANTOS (SANTANDER)
296	Sep 8 2016	03:49: 2.7	5.85	-73.67	122	1.1	0.4	157	10	PUENTE NACIONAL (SANTANDER)
297	Sep 8 2016	04:41:41.8	3.92	-76.89	64	1.4	0.2	162	8	BUENAVENTURA (VALLE)
298	Sep 8 2016	04:42:30.7	5.40	-73.77	136	1.9	0.3	101	32	FUQUENE (CUNDINAMARCA)
299	Sep 8 2016	05:14:45.3	7.45	-73.51	100	1.3	0.3	96	14	SABANA DE TORRES (SANTANDER)
300	Sep 8 2016	05:25:57.3	2.62	-77.07	9	1.5	0.4	99	13	LOPEZ (CAUCA)
301	Sep 8 2016	05:49: 1.9	6.81	-73.12	150	2.8	0.5	53	50	LOS SANTOS (SANTANDER)
302	Sep 8 2016	06:02: 8.4	6.79	-73.13	151	1.3	0.3	139	13	LOS SANTOS (SANTANDER)
303	Sep 8 2016	07:32:47.7	6.81	-73.14	155	2.2	0.5	53	39	LOS SANTOS (SANTANDER)
304	Sep 8 2016	08:36: 5.7	2.84	-74.83	Sup	2.4	0.4	88	27	TELLO (HUILA)
305	Sep 8 2016	08:44:35.3	3.83	-71.50	Sup	1.7	0.8	228	8	PUERTO GAITAN (META)
306	Sep 8 2016	09:26:33.4	6.79	-73.10	151	2.2	0.5	103	38	LOS SANTOS (SANTANDER)
307	Sep 8 2016	09:41:36.9	6.80	-73.13	150	3.0	0.5	66	69	LOS SANTOS (SANTANDER)
308	Sep 8 2016	10:31:55.8	5.62	-74.38	80	2.1	0.4	62	38	YACOPI (CUNDINAMARCA)
309	Sep 8 2016	11:14:48.9	6.76	-74.25	65	2.2	0.4	62	29	PUERTO PARRA (SANTANDER)
310	Sep 8 2016	12:25:25.5	6.84	-73.13	142	1.4	0.3	280	8	LOS SANTOS (SANTANDER)
311	Sep 8 2016	13:00:18.7	6.80	-73.17	141	1.7	0.3	133	18	LOS SANTOS (SANTANDER)
312	Sep 8 2016	13:21: 2.7	6.82	-73.14	151	2.8	0.5	119	45	LOS SANTOS (SANTANDER)
313	Sep 8 2016	13:32:48.7	5.60	-74.03	115	1.7	0.3	104	15	SAN PABLO DE BORBUR (BOYACA)
314	Sep 8 2016	13:42:34.3	6.40	-73.67	95	1.6	0.4	150	10	SANTA HELENA DEL OPO (SANTANDER)
315	Sep 8 2016	14:12:57.0	6.73	-73.14	135	1.5	0.4	139	10	JORDAN (SANTANDER)
316	Sep 8 2016	14:22:48.7	6.81	-73.18	139	1.0	0.2	145	8	ZAPATOCA (SANTANDER)
317	Sep 8 2016	14:56: 2.1	6.75	-73.04	140	1.3	0.3	152	8	JORDAN (SANTANDER)
318	Sep 8 2016	15:13:41.0	6.68	-73.17	151	1.4	0.2	225	8	VILLANUEVA (SANTANDER)
319	Sep 8 2016	15:22:26.4	6.73	-73.13	145	1.8	0.2	140	10	LOS SANTOS (SANTANDER)
320	Sep 8 2016	15:23:27.8	5.91	-73.63	119	2.0	0.3	92	22	BARBOSA (SANTANDER)
321	Sep 8 2016	15:26:54.3	6.79	-73.18	144	1.5	0.2	132	7	ZAPATOCA (SANTANDER)
322	Sep 8 2016	15:51:57.5	6.70	-73.17	143	1.4	0.3	150	8	VILLANUEVA (SANTANDER)
323	Sep 8 2016	15:55:28.9	6.75	-73.09	141	2.0	0.3	145	16	LOS SANTOS (SANTANDER)
324	Sep 8 2016	16:42:59.1	3.47	-74.66	Sup	2.5	0.3	151	33	COLOMBIA (HUILA)
325	Sep 8 2016	18:20:53.6	5.29	-73.68	139	2.1	0.4	159	24	LENGUAZAQUE (CUNDINAMARCA)
326	Sep 8 2016	19:38:22.9	6.79	-73.17	141	1.6	0.2	133	7	LOS SANTOS (SANTANDER)
327	Sep 8 2016	21:45:20.8	6.79	-73.17	146	1.9	0.3	133	19	LOS SANTOS (SANTANDER)
328	Sep 8 2016	23:16:32.4	4.86	-76.63	19	1.6	0.5	215	10	NOVITA (CHOCO)
329	Sep 9 2016	00:18:14.8	6.82	-73.10	148	1.3	0.4	140	10	LOS SANTOS (SANTANDER)
330	Sep 9 2016	00:24:31.0	4.34	-76.14	Sup	1.8	0.5	137	14	BOLIVAR (VALLE)
331	Sep 9 2016	01:15:25.1	5.03	-74.56	Sup	1.1	0.5	168	11	GUADUA (CUNDINAMARCA)
332	Sep 9 2016	01:51:44.5	6.81	-73.12	148	2.0	0.5	102	31	LOS SANTOS (SANTANDER)
333	Sep 9 2016	02:10:23.8	5.27	-73.73	152	2.0	0.5	77	27	LENGUAZAQUE (CUNDINAMARCA)
334	Sep 9 2016	02:46:54.7	6.76	-73.12	152	1.4	0.4	141	9	LOS SANTOS (SANTANDER)
335	Sep 9 2016	03:08:34.3	6.78	-73.14	146	1.5	0.3	137	11	LOS SANTOS (SANTANDER)
336	Sep 9 2016	03:16:17.1	3.64	-77.14	21	1.6	0.5	148	8	BUENAVENTURA (VALLE)
337	Sep 9 2016	03:23:23.7	6.81	-73.13	157	1.5	0.5	137	13	LOS SANTOS (SANTANDER)
338	Sep 9 2016	04:48:23.5	6.81	-73.13	145	2.3	0.4	71	43	LOS SANTOS (SANTANDER)
339	Sep 9 2016	04:54:54.5	6.74	-73.16	156	1.2	0.1	137	7	LOS SANTOS (SANTANDER)
340	Sep 9 2016	05:24: 2.4	6.80	-73.15	145	2.1	0.4	136	32	LOS SANTOS (SANTANDER)
341	Sep 9 2016	05:39:48.1	6.75	-73.14	155	1.2	0.3	183	5	LOS SANTOS (SANTANDER)
342	Sep 9 2016	06:13:35.5	6.79	-73.12	143	1.4	0.4	139	12	LOS SANTOS (SANTANDER)
343	Sep 9 2016	06:33:57.4	6.81	-73.14	148	2.0	0.4	136	28	LOS SANTOS (SANTANDER)
344	Sep 9 2016	07:58:31.5	3.95	-76.05	104	1.5	0.2	226	7	SAN PEDRO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
345	Sep 9 2016	08:27:31.4	6.81	-73.17	146	1.9	0.3	132	26	ZAPATOCA (SANTANDER)
346	Sep 9 2016	09:39: 4.6	6.81	-73.14	147	1.9	0.4	136	22	LOS SANTOS (SANTANDER)
347	Sep 9 2016	10:12:17.5	6.79	-73.12	142	2.2	0.5	139	36	LOS SANTOS (SANTANDER)
348	Sep 9 2016	11:36:13.4	6.79	-73.14	142	1.6	0.3	237	12	LOS SANTOS (SANTANDER)
349	Sep 9 2016	11:57:19.7	6.75	-73.19	149	1.9	0.3	228	10	VILLANUEVA (SANTANDER)
350	Sep 9 2016	12:52:40.1	4.58	-76.42	86	2.3	0.5	140	32	EL DOVIO (VALLE)
351	Sep 9 2016	13:08:49.4	6.43	-76.20	18	2.2	0.5	176	23	URRAO (ANTIOQUIA)
352	Sep 9 2016	13:12: 6.5	2.51	-75.48	23	1.8	0.2	86	12	HOBO (HUILA)
353	Sep 9 2016	15:02:23.7	6.79	-73.12	149	2.8	0.4	121	48	LOS SANTOS (SANTANDER)
354	Sep 9 2016	16:44:21.1	6.80	-73.13	151	1.9	0.3	138	18	LOS SANTOS (SANTANDER)
355	Sep 9 2016	17:51:14.3	6.79	-73.14	145	2.0	0.4	137	20	LOS SANTOS (SANTANDER)
356	Sep 9 2016	19:26:52.1	3.89	-76.66	20	2.3	0.6	98	28	RESTREPO (VALLE)
357	Sep 9 2016	19:33:22.5	6.81	-73.18	143	1.4	0.2	131	11	ZAPATOCA (SANTANDER)
358	Sep 9 2016	20:13:27.1	4.75	-74.69	32	1.2	0.3	262	8	BELTRAN (CUNDINAMARCA)
359	Sep 9 2016	22:20:19.3	6.78	-73.16	147	1.7	0.4	135	13	LOS SANTOS (SANTANDER)
360	Sep 9 2016	22:39:39.5	6.78	-73.10	143	2.1	0.3	142	18	LOS SANTOS (SANTANDER)
361	Sep 9 2016	22:43: 5.6	6.09	-73.90	89	1.1	0.4	205	10	EL PENON (SANTANDER)
362	Sep 9 2016	22:47:59.5	6.77	-73.18	148	1.7	0.4	133	11	LOS SANTOS (SANTANDER)
363	Sep 10 2016	00:16:45.5	3.93	-77.04	74	1.8	0.3	119	8	BUENAVENTURA (VALLE)
364	Sep 10 2016	00:16:48.9	6.80	-73.15	145	3.0	0.4	70	40	LOS SANTOS (SANTANDER)
365	Sep 10 2016	00:43:42.8	6.27	-73.36	133	2.9	0.3	59	34	GUAPOTA (SANTANDER)
366	Sep 10 2016	00:51:27.4	5.44	-77.59	Sup	2.2	0.4	234	13	O. PACIFICO CENTRO ()
367	Sep 10 2016	01:30:15.9	6.74	-73.09	140	1.6	0.3	145	10	JORDAN (SANTANDER)
368	Sep 10 2016	03:37:20.6	7.38	-73.11	9	1.8	0.4	109	15	MATANZA (SANTANDER)
369	Sep 10 2016	04:15: 9.6	6.80	-73.15	146	2.0	0.3	136	20	LOS SANTOS (SANTANDER)
370	Sep 10 2016	04:27:27.5	7.74	-77.32	60	1.9	0.2	174	18	RIOSUCIO (CHOCO)
371	Sep 10 2016	05:15:11.5	6.78	-73.13	143	2.3	0.4	139	26	LOS SANTOS (SANTANDER)
372	Sep 10 2016	06:29:25.1	6.79	-73.13	142	1.7	0.3	138	18	LOS SANTOS (SANTANDER)
373	Sep 10 2016	06:43:12.7	4.76	-77.52	Sup	1.5	0.3	272	10	O. PACIFICO CENTRO ()
374	Sep 10 2016	07:10:17.8	3.96	-74.17	Sup	2.4	0.7	86	48	CABRERA (CUNDINAMARCA)
375	Sep 10 2016	08:58: 7.7	6.79	-73.11	145	1.4	0.4	262	12	LOS SANTOS (SANTANDER)
376	Sep 10 2016	09:02:46.0	6.05	-73.70	113	1.3	0.3	118	12	VELEZ (SANTANDER)
377	Sep 10 2016	09:12:44.8	6.78	-73.11	148	1.9	0.5	123	30	LOS SANTOS (SANTANDER)
378	Sep 10 2016	11:09:47.7	6.69	-73.23	140	1.1	0.4	218	8	BARICHARA (SANTANDER)
379	Sep 10 2016	11:15:39.3	6.72	-73.21	161	1.4	0.2	224	8	VILLANUEVA (SANTANDER)
380	Sep 10 2016	11:52:29.6	6.86	-73.18	136	1.2	0.3	150	7	ZAPATOCA (SANTANDER)
381	Sep 10 2016	12:26:44.3	6.79	-73.16	141	2.4	0.4	135	34	LOS SANTOS (SANTANDER)
382	Sep 10 2016	13:41: 3.0	7.42	-74.83	Sup	1.7	0.2	128	18	ZARAGOZA (ANTIOQUIA)
<u>383</u>	<u>Sep 10 2016</u>	<u>14:18:30.5</u>	<u>0.94</u>	<u>-78.07</u>	<u>Sup</u>	<u>3.8*</u>	<u>0.4</u>	<u>116</u>	<u>55</u>	<u>RICAUURTE (NARINO)</u>
384	Sep 10 2016	14:44: 4.7	2.40	-75.59	23	1.5	0.1	195	8	GIGANTE (HUILA)
385	Sep 10 2016	15:03:59.0	6.76	-73.15	143	1.6	0.3	137	16	LOS SANTOS (SANTANDER)
386	Sep 10 2016	15:40:45.9	7.43	-74.81	Sup	1.6	0.4	145	12	ZARAGOZA (ANTIOQUIA)
387	Sep 10 2016	15:43:50.7	6.77	-73.16	133	1.9	0.3	135	18	LOS SANTOS (SANTANDER)
388	Sep 10 2016	16:27:58.7	6.81	-73.16	146	2.5	0.3	134	30	LOS SANTOS (SANTANDER)
389	Sep 10 2016	16:38:35.2	6.91	-74.74	Sup	1.3	0.4	121	14	REMEDIOS (ANTIOQUIA)
390	Sep 10 2016	17:33: 0.5	6.58	-75.78	29	1.9	0.5	118	20	SANTA FE ANTIOQUIA (ANTIOQUIA)
391	Sep 10 2016	18:40:27.4	3.88	-76.70	30	2.3	0.4	98	30	RESTREPO (VALLE)
392	Sep 10 2016	19:23:29.1	6.77	-73.13	143	2.0	0.4	139	18	LOS SANTOS (SANTANDER)
393	Sep 10 2016	19:23:49.4	4.84	-76.17	108	2.1	0.2	126	10	EL CAIRO (VALLE)

\*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
394	Sep 10 2016	20:20: 2.3	6.81	-73.12	150	3.3	0.5	67	75	LOS SANTOS (SANTANDER)
395	Sep 10 2016	21:51:54.6	6.69	-73.17	153	1.4	0.3	227	12	VILLANUEVA (SANTANDER)
396	Sep 10 2016	21:59:55.6	11.12	-72.72	Sup	1.6	0.4	150	8	MANAURE BALCON CESAR (CESAR)
397	Sep 10 2016	23:27:55.4	6.74	-73.12	147	1.0	0.2	236	8	LOS SANTOS (SANTANDER)
398	Sep 10 2016	23:31:39.1	6.80	-73.14	150	1.4	0.3	136	14	LOS SANTOS (SANTANDER)
399	Sep 10 2016	23:40: 1.2	6.76	-73.08	139	0.9	0.2	242	10	LOS SANTOS (SANTANDER)
400	Sep 11 2016	01:50:19.5	2.48	-75.44	16	1.6	0.4	157	10	HOBO (HUILA)
401	Sep 11 2016	04:38:54.2	6.69	-73.48	111	1.3	0.5	136	8	EL CARMEN (SANTANDER)
402	Sep 11 2016	04:50:42.3	6.81	-73.11	151	2.4	0.4	103	49	LOS SANTOS (SANTANDER)
403	Sep 11 2016	05:06:58.8	5.45	-76.35	90	1.0	0.4	221	9	BAGADO (CHOCO)
404	Sep 11 2016	06:22:55.4	6.99	-72.82	Sup	1.5	0.6	174	16	SANTA BARBARA (SANTANDER)
405	Sep 11 2016	06:26:52.3	6.27	-75.73	35	1.5	0.6	153	16	EBEJICO (ANTIOQUIA)
406	Sep 11 2016	07:03:41.7	5.15	-74.76	15	0.9	0.2	151	8	HONDA (TOLIMA)
407	Sep 11 2016	07:07:52.9	10.46	-73.61	21	1.4	0.4	103	9	PUEBLO BELLO (CESAR)
408	Sep 11 2016	07:51:20.8	6.82	-73.13	144	1.8	0.5	184	19	LOS SANTOS (SANTANDER)
409	Sep 11 2016	08:08:49.1	7.37	-73.14	Sup	1.3	0.4	105	11	RIONEGRO (SANTANDER)
410	Sep 11 2016	08:17:29.5	6.80	-73.11	148	1.7	0.3	186	14	LOS SANTOS (SANTANDER)
411	Sep 11 2016	08:18:42.7	5.42	-75.63	Sup	1.2	0.6	88	12	SUPIA (CALDAS)
412	Sep 11 2016	08:23:52.8	6.86	-73.22	122	1.4	0.4	176	12	ZAPATOCA (SANTANDER)
413	Sep 11 2016	08:39:36.1	6.74	-73.15	146	1.3	0.4	249	10	LOS SANTOS (SANTANDER)
414	Sep 11 2016	09:45:56.5	6.72	-76.68	9	1.2	0.5	250	12	VIGIA DEL FUERTE (ANTIOQUIA)
415	Sep 11 2016	10:11:21.9	6.78	-73.13	140	1.7	0.3	139	23	LOS SANTOS (SANTANDER)
416	Sep 11 2016	10:45: 5.0	3.85	-73.63	Sup	1.7	0.6	110	17	CASTILLA LA NUEVA (META)
417	Sep 11 2016	11:04:16.4	7.20	-74.12	Sup	0.9	0.3	171	10	PUERTO WILCHES (SANTANDER)
418	Sep 11 2016	11:29:39.6	6.21	-73.65	100	1.4	0.3	190	8	LA PAZ (SANTANDER)
419	Sep 11 2016	11:43: 6.4	6.78	-73.15	139	2.0	0.3	136	15	LOS SANTOS (SANTANDER)
420	Sep 11 2016	11:43:33.1	6.80	-73.17	139	1.8	0.3	234	13	LOS SANTOS (SANTANDER)
421	Sep 11 2016	13:26:56.5	6.73	-73.21	147	1.4	0.2	222	10	VILLANUEVA (SANTANDER)
422	Sep 11 2016	13:55:47.8	4.44	-76.22	102	1.7	0.2	159	8	EL DOVIO (VALLE)
423	Sep 11 2016	13:59:22.2	5.87	-73.72	121	1.7	0.3	161	16	PUENTE NACIONAL (SANTANDER)
424	Sep 11 2016	14:24: 2.6	5.85	-73.63	124	2.1	0.3	98	26	PUENTE NACIONAL (SANTANDER)
425	Sep 11 2016	14:52:38.1	6.75	-73.13	152	1.7	0.3	140	13	LOS SANTOS (SANTANDER)
426	Sep 11 2016	15:27:36.9	6.81	-73.16	144	1.7	0.4	134	20	LOS SANTOS (SANTANDER)
427	Sep 11 2016	15:55:43.6	6.78	-73.14	146	2.1	0.4	138	22	LOS SANTOS (SANTANDER)
428	Sep 11 2016	16:09:57.1	6.78	-73.16	144	1.4	0.2	242	7	LOS SANTOS (SANTANDER)
429	Sep 11 2016	16:20:35.2	6.75	-73.16	136	1.4	0.2	137	10	LOS SANTOS (SANTANDER)
430	Sep 11 2016	17:25:54.6	6.48	-73.74	95	1.3	0.2	165	8	SANTA HELENA DEL OPO (SANTANDER)
431	Sep 11 2016	17:37: 8.0	6.76	-73.23	141	1.2	0.2	218	8	ZAPATOCA (SANTANDER)
432	Sep 11 2016	18:00:46.4	6.77	-73.14	143	1.9	0.3	138	16	LOS SANTOS (SANTANDER)
433	Sep 11 2016	19:06:33.3	6.84	-73.31	117	1.4	0.2	108	11	ZAPATOCA (SANTANDER)
434	Sep 11 2016	19:20:58.1	6.89	-73.18	139	1.7	0.3	127	13	BETULIA (SANTANDER)
435	Sep 11 2016	19:37:54.8	6.80	-73.14	146	2.5	0.3	119	28	LOS SANTOS (SANTANDER)
436	Sep 11 2016	21:20:37.7	6.80	-73.14	146	1.1	0.1	136	8	LOS SANTOS (SANTANDER)
437	Sep 11 2016	21:43: 8.3	6.77	-73.13	146	1.0	0.2	140	8	LOS SANTOS (SANTANDER)
438	Sep 11 2016	22:39:45.7	6.82	-73.10	147	1.8	0.4	141	24	LOS SANTOS (SANTANDER)
439	Sep 11 2016	22:49:27.5	4.76	-76.13	102	2.0	0.4	77	22	ARGELIA (VALLE)
440	Sep 11 2016	23:21:58.4	9.22	-74.75	28	1.8	0.3	120	20	MAGANGUE (BOLIVAR)
441	Sep 12 2016	00:34: 7.8	2.03	-75.77	Sup	0.9	0.2	126	8	GUADALUPE (HUILA)
442	Sep 12 2016	00:53:54.0	6.79	-73.12	145	1.9	0.4	139	19	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
443	Sep 12 2016	01:09:31.2	6.76	-73.12	145	1.6	0.3	141	10	LOS SANTOS (SANTANDER)
444	Sep 12 2016	02:15:26.2	7.89	-72.24	Sup	1.6	0.7	235	10	FRONTERA CON VENEZUELA ()
445	Sep 12 2016	02:30: 0.8	6.76	-73.15	149	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
446	Sep 12 2016	02:37: 2.7	6.76	-73.12	139	1.9	0.5	141	18	LOS SANTOS (SANTANDER)
447	Sep 12 2016	02:55:20.5	6.80	-73.14	148	1.8	0.6	136	24	LOS SANTOS (SANTANDER)
448	Sep 12 2016	03:21:46.6	6.82	-73.11	154	3.4	0.6	67	73	LOS SANTOS (SANTANDER)
449	Sep 12 2016	03:32:21.1	6.79	-73.13	148	2.0	0.4	72	22	LOS SANTOS (SANTANDER)
450	Sep 12 2016	03:38:19.4	6.81	-73.13	146	2.0	0.5	137	24	LOS SANTOS (SANTANDER)
451	Sep 12 2016	03:49:39.9	6.81	-73.17	145	2.5	0.5	69	43	LOS SANTOS (SANTANDER)
452	Sep 12 2016	04:09:21.4	7.03	-72.89	181	2.0	0.5	157	27	SANTA BARBARA (SANTANDER)
453	Sep 12 2016	04:12:29.8	6.79	-73.14	146	1.4	0.4	136	10	LOS SANTOS (SANTANDER)
454	Sep 12 2016	04:17:30.8	6.77	-73.14	158	1.3	0.4	183	9	LOS SANTOS (SANTANDER)
455	Sep 12 2016	04:53:40.8	6.85	-73.16	145	1.4	0.4	132	12	ZAPATOCA (SANTANDER)
456	Sep 12 2016	04:55:26.9	6.81	-73.14	150	1.5	0.4	136	12	LOS SANTOS (SANTANDER)
457	Sep 12 2016	04:56:33.5	5.54	-74.45	79	1.4	0.3	219	7	YACOPI (CUNDINAMARCA)
458	Sep 12 2016	05:08:53.6	6.78	-73.14	148	1.6	0.4	137	12	LOS SANTOS (SANTANDER)
459	Sep 12 2016	05:10:11.5	6.81	-73.11	143	2.9	0.6	72	54	LOS SANTOS (SANTANDER)
460	Sep 12 2016	05:22:37.3	6.79	-73.15	146	1.5	0.4	135	19	LOS SANTOS (SANTANDER)
461	Sep 12 2016	06:00:21.0	9.10	-73.98	30	1.7	0.4	95	18	EL BANCO (MAGDALENA)
462	Sep 12 2016	06:16:18.3	6.80	-73.13	148	1.7	0.5	138	21	LOS SANTOS (SANTANDER)
463	Sep 12 2016	06:18:53.4	6.79	-73.13	141	1.5	0.6	138	20	LOS SANTOS (SANTANDER)
464	Sep 12 2016	06:47:52.8	6.81	-73.15	148	1.7	0.5	135	18	LOS SANTOS (SANTANDER)
465	Sep 12 2016	07:02:48.3	6.74	-73.15	151	1.4	0.4	181	10	LOS SANTOS (SANTANDER)
466	Sep 12 2016	07:20:48.5	6.79	-73.15	138	1.6	0.4	135	23	LOS SANTOS (SANTANDER)
467	Sep 12 2016	07:28:53.8	6.75	-73.12	147	1.0	0.2	142	10	LOS SANTOS (SANTANDER)
468	Sep 12 2016	07:28:53.8	6.75	-73.12	147	1.0	0.2	142	10	LOS SANTOS (SANTANDER)
469	Sep 12 2016	07:36: 3.9	6.84	-72.93	146	1.0	0.2	260	8	GUACA (SANTANDER)
470	Sep 12 2016	07:51:21.8	6.79	-73.14	144	2.0	0.3	137	34	LOS SANTOS (SANTANDER)
471	Sep 12 2016	07:57:34.0	6.77	-74.04	76	1.0	0.4	114	10	PUERTO PARRA (SANTANDER)
472	Sep 12 2016	08:10: 3.5	7.70	-73.09	153	2.0	0.4	129	26	CACHIRA (N.SANTANDER)
473	Sep 12 2016	09:17:43.6	6.40	-73.62	81	1.3	0.5	259	9	SANTA HELENA DEL OPO (SANTANDER)
474	Sep 12 2016	09:48:11.7	7.25	-75.56	Sup	1.5	0.3	165	10	BRICENO (ANTIOQUIA)
475	Sep 12 2016	09:53:32.7	2.84	-75.85	Sup	1.3	0.3	242	8	PAEZ (CAUCA)
476	Sep 12 2016	10:10:22.2	2.01	-75.81	Sup	1.3	0.4	124	10	SUAZA (HUILA)
477	Sep 12 2016	15:47:21.2	6.80	-73.15	147	2.4	0.5	135	30	LOS SANTOS (SANTANDER)
478	Sep 12 2016	19:34:19.7	6.78	-73.16	145	1.6	0.3	234	9	LOS SANTOS (SANTANDER)
479	Sep 12 2016	19:38: 2.5	5.25	-73.75	150	2.0	0.3	131	16	CUCUNUBA (CUNDINAMARCA)
480	Sep 12 2016	20:00:29.9	6.80	-73.12	152	1.7	0.4	139	15	LOS SANTOS (SANTANDER)
481	Sep 12 2016	20:43:53.4	6.81	-73.12	149	2.2	0.4	139	23	LOS SANTOS (SANTANDER)
482	Sep 12 2016	21:19:19.9	6.77	-73.13	145	1.5	0.4	139	13	LOS SANTOS (SANTANDER)
483	Sep 12 2016	21:23:35.3	6.20	-76.67	32	2.0	0.4	225	17	MEDIO ATRATO (CHOCO)
484	Sep 12 2016	22:12:19.3	6.74	-73.11	145	1.5	0.4	143	11	LOS SANTOS (SANTANDER)
485	Sep 12 2016	22:16: 5.8	6.78	-73.12	150	1.6	0.3	140	9	LOS SANTOS (SANTANDER)
486	Sep 12 2016	22:33:36.5	5.70	-73.87	116	1.6	0.5	180	9	BRICENO (BOYACA)
487	Sep 12 2016	23:29: 4.0	6.53	-73.51	110	1.6	0.4	66	14	EL CARMEN (SANTANDER)
488	Sep 12 2016	23:56:23.0	6.75	-73.12	147	1.6	0.5	141	13	LOS SANTOS (SANTANDER)
489	Sep 13 2016	00:45:45.9	6.77	-73.12	148	1.9	0.6	122	24	LOS SANTOS (SANTANDER)
490	Sep 13 2016	00:58:34.1	5.40	-73.79	136	1.5	0.3	119	14	FUQUENE (CUNDINAMARCA)
491	Sep 13 2016	02:01:16.5	6.79	-73.12	153	1.9	0.4	140	14	LOS SANTOS (SANTANDER)
492	Sep 13 2016	02:17:18.9	6.16	-73.70	113	1.0	0.2	115	8	LA PAZ (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
493	Sep 13 2016	03:09:19.1	10.95	-73.11	53	1.9	0.2	229	8	LA PAZ (CESAR)
494	Sep 13 2016	03:54:22.6	6.79	-73.14	151	2.1	0.3	137	22	LOS SANTOS (SANTANDER)
495	Sep 13 2016	04:11:26.0	6.76	-73.13	144	1.3	0.3	140	16	LOS SANTOS (SANTANDER)
496	Sep 13 2016	04:13:57.6	6.78	-73.08	147	2.3	0.6	125	42	LOS SANTOS (SANTANDER)
497	Sep 13 2016	04:15:18.5	6.80	-73.15	146	1.5	0.3	135	16	LOS SANTOS (SANTANDER)
498	Sep 13 2016	04:42: 3.5	5.27	-73.71	144	2.6	0.6	65	48	LENGUAZAQUE (CUNDINAMARCA)
499	Sep 13 2016	05:06:38.4	6.78	-73.16	147	1.6	0.4	147	12	LOS SANTOS (SANTANDER)
500	Sep 13 2016	06:09: 1.3	6.79	-73.14	143	2.8	0.7	54	57	LOS SANTOS (SANTANDER)
501	Sep 13 2016	06:20:30.4	6.77	-73.14	138	1.3	0.5	137	14	LOS SANTOS (SANTANDER)
502	Sep 13 2016	06:32:52.7	6.79	-73.13	146	1.2	0.6	156	11	LOS SANTOS (SANTANDER)
503	Sep 13 2016	06:38: 4.9	6.80	-73.13	150	1.4	0.4	137	15	LOS SANTOS (SANTANDER)
504	Sep 13 2016	08:12:15.1	6.79	-73.13	145	3.9	0.6	54	98	LOS SANTOS (SANTANDER)
505	Sep 13 2016	08:38:54.7	6.82	-73.15	148	2.7	0.5	53	52	LOS SANTOS (SANTANDER)
506	Sep 13 2016	09:11:55.9	6.76	-73.13	137	1.6	0.7	140	16	LOS SANTOS (SANTANDER)
507	Sep 13 2016	09:13:37.4	6.76	-73.12	142	1.1	0.3	141	12	LOS SANTOS (SANTANDER)
508	Sep 13 2016	09:47:14.1	6.84	-73.19	135	1.0	0.3	149	8	ZAPATOCA (SANTANDER)
509	Sep 13 2016	10:04:37.4	4.82	-74.74	16	1.5	0.6	156	14	BELTRAN (CUNDINAMARCA)
510	Sep 13 2016	10:23:28.9	2.02	-75.85	6	2.4	0.3	87	18	SUAZA (HUILA)
511	Sep 13 2016	10:29:46.0	6.80	-73.17	141	1.8	0.5	132	16	LOS SANTOS (SANTANDER)
512	Sep 13 2016	11:48:45.7	6.49	-73.60	108	1.3	0.3	134	10	SANTA HELENA DEL OPON (SANTANDER)
513	Sep 13 2016	12:12: 0.6	6.57	-73.44	111	1.4	0.2	101	11	EL CARMEN (SANTANDER)
514	Sep 13 2016	12:37:36.1	5.85	-73.72	118	1.8	0.3	94	16	PUENTE NACIONAL (SANTANDER)
515	Sep 13 2016	12:41:18.2	7.37	-73.11	7	2.0	0.4	108	16	MATANZA (SANTANDER)
516	Sep 13 2016	12:49:17.2	6.89	-73.11	144	1.2	0.4	147	8	PIEDRECUESTA (SANTANDER)
517	Sep 13 2016	13:25: 0.4	6.75	-73.03	146	1.7	0.4	153	8	JORDAN (SANTANDER)
518	Sep 13 2016	15:00: 7.4	6.79	-73.14	143	1.9	0.5	136	16	LOS SANTOS (SANTANDER)
519	Sep 13 2016	15:26:18.2	6.80	-73.16	139	1.4	0.2	134	8	LOS SANTOS (SANTANDER)
520	Sep 13 2016	16:15:43.2	8.25	-75.59	13	2.2	0.5	188	8	BUENAVISTA (CORDOBA)
521	Sep 13 2016	16:20:49.3	6.77	-73.11	140	2.0	0.3	141	16	LOS SANTOS (SANTANDER)
522	Sep 13 2016	16:49:42.1	6.84	-73.15	147	2.2	0.5	133	20	LOS SANTOS (SANTANDER)
523	Sep 13 2016	17:12:52.3	5.28	-73.73	142	1.3	0.5	132	12	LENGUAZAQUE (CUNDINAMARCA)
524	Sep 13 2016	17:27:30.0	6.79	-73.14	142	1.6	0.2	137	16	LOS SANTOS (SANTANDER)
525	Sep 13 2016	18:36:56.0	6.24	-73.43	142	1.7	0.5	99	16	GUADALUPE (SANTANDER)
526	Sep 13 2016	19:51: 7.0	6.79	-73.18	136	1.8	0.3	132	7	LOS SANTOS (SANTANDER)
527	Sep 13 2016	21:39:14.9	6.82	-73.14	152	2.4	0.4	70	34	LOS SANTOS (SANTANDER)
528	Sep 13 2016	22:22:51.2	6.75	-73.13	143	1.5	0.5	140	7	LOS SANTOS (SANTANDER)
529	Sep 13 2016	22:26: 9.5	10.18	-75.33	35	1.9	0.4	238	9	ARJONA (BOLIVAR)
530	Sep 13 2016	22:59:33.0	6.16	-73.54	122	1.3	0.7	108	9	AGUADA (SANTANDER)
531	Sep 13 2016	23:48:45.2	7.19	-76.24	Sup	1.8	0.5	242	11	MUTATA (ANTIOQUIA)
532	Sep 14 2016	00:36:35.0	6.80	-73.15	150	1.4	0.1	135	7	LOS SANTOS (SANTANDER)
533	Sep 14 2016	00:42:19.8	6.80	-73.08	149	1.9	0.5	123	22	LOS SANTOS (SANTANDER)
534	Sep 14 2016	01:05:15.6	11.29	-74.72	15	1.7	0.2	260	9	MAR CARIBE ()
535	Sep 14 2016	01:48:41.6	6.81	-73.15	150	2.9	0.4	70	52	LOS SANTOS (SANTANDER)
536	Sep 14 2016	<u>01:58:30.2</u>	<u>7.23</u>	<u>-76.23</u>	Sup	<u>6.2*</u>	<u>0.8</u>	<u>49</u>	<u>92</u>	<u>MUTATA (ANTIOQUIA)</u>
537	Sep 14 2016	02:01:50.1	7.19	-76.23	Sup	3.7	0.5	104	15	DABEIBA (ANTIOQUIA)
538	Sep 14 2016	02:02:44.9	7.17	-76.25	Sup	3.3	0.3	249	9	DABEIBA (ANTIOQUIA)
539	Sep 14 2016	02:03:59.0	7.16	-76.24	Sup	3.0	0.5	245	7	DABEIBA (ANTIOQUIA)
540	Sep 14 2016	02:06:12.4	7.18	-76.24	Sup	3.3	0.7	181	14	DABEIBA (ANTIOQUIA)

\*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
541	Sep 14 2016	02:08:22.4	7.25	-76.20	Sup	2.9	0.8	183	13	MUTATA (ANTIOQUIA)
542	Sep 14 2016	02:14:39.1	7.22	-76.28	Sup	2.5	0.7	186	14	MUTATA (ANTIOQUIA)
543	Sep 14 2016	02:15:34.0	7.20	-76.29	Sup	2.8	0.6	186	12	MUTATA (ANTIOQUIA)
544	Sep 14 2016	02:17:36.6	7.18	-76.22	Sup	2.4	0.8	179	14	DABEIBA (ANTIOQUIA)
545	Sep 14 2016	02:18:57.0	7.19	-76.29	Sup	2.3	0.5	246	11	MUTATA (ANTIOQUIA)
546	Sep 14 2016	02:21:22.0	7.23	-76.27	Sup	2.3	0.5	176	23	MUTATA (ANTIOQUIA)
547	Sep 14 2016	02:26:27.4	7.19	-76.24	Sup	3.1	0.6	77	44	DABEIBA (ANTIOQUIA)
548	Sep 14 2016	02:29:23.2	7.18	-76.22	Sup	2.4	0.5	229	22	DABEIBA (ANTIOQUIA)
549	Sep 14 2016	02:31:18.7	7.16	-76.17	Sup	2.1	0.4	215	12	DABEIBA (ANTIOQUIA)
550	Sep 14 2016	02:32:41.3	7.18	-76.23	Sup	2.8	0.5	180	27	DABEIBA (ANTIOQUIA)
551	Sep 14 2016	02:34: 8.5	7.17	-76.21	Sup	2.7	0.3	232	19	DABEIBA (ANTIOQUIA)
552	Sep 14 2016	02:35:20.9	7.19	-76.25	Sup	3.3	0.6	78	46	MUTATA (ANTIOQUIA)
553	Sep 14 2016	02:39:17.3	7.19	-76.25	Sup	2.6	0.5	126	28	DABEIBA (ANTIOQUIA)
554	Sep 14 2016	02:40:39.4	7.22	-76.23	Sup	2.2	0.3	240	13	MUTATA (ANTIOQUIA)
555	Sep 14 2016	02:40:39.7	7.18	-76.18	Sup	2.2	0.6	219	12	DABEIBA (ANTIOQUIA)
556	Sep 14 2016	02:42:45.4	7.23	-76.28	Sup	1.9	0.3	246	13	MUTATA (ANTIOQUIA)
557	Sep 14 2016	02:42:47.2	7.18	-76.20	Sup	1.8	0.8	228	20	DABEIBA (ANTIOQUIA)
558	Sep 14 2016	02:43:32.0	7.18	-76.24	Sup	1.8	0.3	241	12	DABEIBA (ANTIOQUIA)
559	Sep 14 2016	02:47: 7.6	7.19	-76.24	Sup	2.7	0.5	231	30	DABEIBA (ANTIOQUIA)
560	Sep 14 2016	02:49:38.3	7.21	-76.26	Sup	2.7	0.5	106	33	MUTATA (ANTIOQUIA)
561	Sep 14 2016	02:53:15.1	7.19	-76.22	Sup	2.2	0.6	229	28	DABEIBA (ANTIOQUIA)
562	Sep 14 2016	02:57:13.6	7.19	-76.20	Sup	2.6	0.5	124	19	DABEIBA (ANTIOQUIA)
563	Sep 14 2016	03:00:40.1	7.25	-76.31	Sup	2.8	0.6	81	33	MUTATA (ANTIOQUIA)
564	Sep 14 2016	03:02:12.9	7.21	-76.41	10	2.3	0.2	279	10	MUTATA (ANTIOQUIA)
565	Sep 14 2016	03:03:10.2	7.20	-76.27	Sup	2.3	0.6	184	14	MUTATA (ANTIOQUIA)
566	Sep 14 2016	03:04:51.6	7.26	-76.24	Sup	3.5	0.7	70	48	MUTATA (ANTIOQUIA)
567	Sep 14 2016	03:10:16.5	7.13	-76.17	Sup	1.7	0.4	208	7	DABEIBA (ANTIOQUIA)
568	Sep 14 2016	03:11: 2.3	7.22	-76.33	12	1.6	0.6	250	7	MUTATA (ANTIOQUIA)
569	Sep 14 2016	03:14:54.6	7.19	-76.27	Sup	1.9	0.5	244	19	MUTATA (ANTIOQUIA)
570	Sep 14 2016	03:16:27.2	7.20	-76.35	Sup	1.3	0.2	274	5	MUTATA (ANTIOQUIA)
571	Sep 14 2016	03:19:30.2	7.11	-76.24	Sup	1.7	0.5	239	7	DABEIBA (ANTIOQUIA)
572	Sep 14 2016	03:19:58.3	7.17	-76.23	Sup	1.6	0.2	240	6	DABEIBA (ANTIOQUIA)
573	Sep 14 2016	03:23:30.5	7.19	-76.42	12	2.5	0.6	288	8	MUTATA (ANTIOQUIA)
574	Sep 14 2016	03:24:15.5	7.22	-76.27	Sup	3.0	0.8	186	35	MUTATA (ANTIOQUIA)
575	Sep 14 2016	03:26:39.2	7.11	-76.20	10	1.9	0.5	224	7	DABEIBA (ANTIOQUIA)
576	Sep 14 2016	03:27:48.6	7.18	-76.24	Sup	1.8	0.5	241	9	DABEIBA (ANTIOQUIA)
577	Sep 14 2016	03:29:33.1	7.18	-76.23	Sup	1.4	0.3	240	6	DABEIBA (ANTIOQUIA)
578	Sep 14 2016	03:30:23.4	7.16	-76.21	Sup	1.7	0.2	230	6	DABEIBA (ANTIOQUIA)
579	Sep 14 2016	03:32:38.0	7.17	-76.23	Sup	1.9	0.5	239	15	DABEIBA (ANTIOQUIA)
580	Sep 14 2016	03:35: 3.3	7.15	-76.24	Sup	2.6	0.5	178	18	DABEIBA (ANTIOQUIA)
581	Sep 14 2016	03:38:57.7	7.19	-76.36	7	1.4	0.2	276	10	MUTATA (ANTIOQUIA)
582	Sep 14 2016	03:39:57.3	7.14	-76.30	14	1.6	0.3	268	6	DABEIBA (ANTIOQUIA)
583	Sep 14 2016	03:40:35.0	7.17	-76.26	Sup	1.5	0.5	251	7	DABEIBA (ANTIOQUIA)
584	Sep 14 2016	03:40:59.2	7.19	-76.25	Sup	1.4	0.5	243	7	MUTATA (ANTIOQUIA)
585	Sep 14 2016	03:45:44.7	7.20	-76.24	Sup	2.4	0.4	242	10	MUTATA (ANTIOQUIA)
586	Sep 14 2016	03:46:10.2	7.22	-76.23	Sup	3.1	0.7	69	41	MUTATA (ANTIOQUIA)
587	Sep 14 2016	03:48:38.6	7.15	-76.27	12	1.6	0.2	242	8	DABEIBA (ANTIOQUIA)
588	Sep 14 2016	03:48:56.9	7.19	-76.32	13	1.7	0.5	248	7	MUTATA (ANTIOQUIA)
589	Sep 14 2016	03:49:26.4	7.16	-76.22	Sup	1.6	0.4	234	7	DABEIBA (ANTIOQUIA)
590	Sep 14 2016	03:49:55.5	7.23	-76.31	Sup	2.5	0.8	80	33	MUTATA (ANTIOQUIA)
591	Sep 14 2016	03:52: 9.0	7.18	-76.22	Sup	1.8	0.4	236	12	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
592	Sep 14 2016	03:53:32.1	7.18	-76.20	Sup	2.1	0.7	228	14	DABEIBA (ANTIOQUIA)
593	Sep 14 2016	03:55:54.7	7.19	-76.20	Sup	2.1	0.7	227	14	DABEIBA (ANTIOQUIA)
594	Sep 14 2016	03:58:12.2	7.17	-76.18	Sup	2.8	0.8	176	26	DABEIBA (ANTIOQUIA)
595	Sep 14 2016	04:06:43.0	7.18	-76.21	Sup	2.2	0.7	233	13	DABEIBA (ANTIOQUIA)
596	Sep 14 2016	04:07:40.3	7.20	-76.28	Sup	3.2	0.6	57	42	MUTATA (ANTIOQUIA)
597	Sep 14 2016	04:12:40.3	6.78	-73.13	147	1.7	0.4	200	14	LOS SANTOS (SANTANDER)
598	Sep 14 2016	04:16: 4.1	7.21	-76.36	14	1.6	0.5	276	9	MUTATA (ANTIOQUIA)
599	Sep 14 2016	04:17:45.3	7.19	-76.23	Sup	2.0	0.6	241	17	DABEIBA (ANTIOQUIA)
600	Sep 14 2016	04:19:53.1	7.14	-76.20	Sup	1.2	0.6	225	11	DABEIBA (ANTIOQUIA)
601	Sep 14 2016	04:21:14.0	7.18	-76.24	Sup	1.1	0.7	242	7	DABEIBA (ANTIOQUIA)
602	Sep 14 2016	04:21:51.1	7.19	-76.19	Sup	1.3	0.5	226	9	DABEIBA (ANTIOQUIA)
603	Sep 14 2016	04:23:53.6	7.19	-76.21	Sup	1.5	0.5	232	12	DABEIBA (ANTIOQUIA)
604	Sep 14 2016	04:27:42.6	7.20	-76.32	Sup	1.1	0.5	249	10	MUTATA (ANTIOQUIA)
605	Sep 14 2016	04:30: 7.4	7.19	-76.20	Sup	2.6	0.7	124	33	DABEIBA (ANTIOQUIA)
606	Sep 14 2016	04:35:39.9	7.20	-76.25	Sup	2.5	0.6	243	27	MUTATA (ANTIOQUIA)
607	Sep 14 2016	04:43:46.2	7.19	-76.23	Sup	3.1	0.7	174	51	DABEIBA (ANTIOQUIA)
608	Sep 14 2016	04:48:35.6	7.18	-76.20	Sup	1.5	0.5	228	16	DABEIBA (ANTIOQUIA)
609	Sep 14 2016	04:52:14.7	7.14	-76.17	Sup	1.9	0.7	213	24	DABEIBA (ANTIOQUIA)
610	Sep 14 2016	04:54:53.5	7.20	-76.31	Sup	2.0	0.4	236	23	MUTATA (ANTIOQUIA)
611	Sep 14 2016	05:00:30.8	7.21	-76.24	Sup	1.4	0.5	243	9	MUTATA (ANTIOQUIA)
612	Sep 14 2016	05:04:59.7	7.19	-76.23	Sup	2.6	0.8	134	25	DABEIBA (ANTIOQUIA)
613	Sep 14 2016	05:10:50.5	7.20	-76.24	Sup	2.6	0.5	105	19	MUTATA (ANTIOQUIA)
614	Sep 14 2016	05:13:14.9	7.20	-76.28	Sup	2.2	0.5	246	14	MUTATA (ANTIOQUIA)
615	Sep 14 2016	05:29:21.6	7.19	-76.24	Sup	3.6	0.7	174	73	DABEIBA (ANTIOQUIA)
616	Sep 14 2016	05:34:21.9	7.17	-76.22	Sup	1.4	0.5	235	11	DABEIBA (ANTIOQUIA)
617	Sep 14 2016	05:39:13.3	7.20	-76.24	Sup	1.9	0.7	231	16	MUTATA (ANTIOQUIA)
618	Sep 14 2016	05:42:56.0	7.21	-76.26	Sup	2.6	0.8	184	38	MUTATA (ANTIOQUIA)
619	Sep 14 2016	05:45:15.1	7.19	-76.27	Sup	1.6	0.4	244	8	MUTATA (ANTIOQUIA)
620	Sep 14 2016	05:46:28.7	7.23	-76.42	Sup	1.5	0.2	280	9	MUTATA (ANTIOQUIA)
621	Sep 14 2016	05:49:19.0	6.77	-73.15	156	1.4	0.6	234	8	LOS SANTOS (SANTANDER)
622	Sep 14 2016	05:50:22.2	7.19	-76.20	Sup	1.3	0.7	229	8	DABEIBA (ANTIOQUIA)
623	Sep 14 2016	05:52:52.2	7.13	-76.13	Sup	1.0	0.7	193	8	DABEIBA (ANTIOQUIA)
624	Sep 14 2016	05:53:49.5	7.16	-76.19	Sup	1.0	0.4	221	7	DABEIBA (ANTIOQUIA)
625	Sep 14 2016	05:54:42.0	7.19	-76.21	Sup	1.4	0.4	232	8	DABEIBA (ANTIOQUIA)
626	Sep 14 2016	05:55:34.1	7.19	-76.25	Sup	1.5	0.5	243	9	MUTATA (ANTIOQUIA)
627	Sep 14 2016	05:56: 8.7	7.19	-76.22	Sup	1.8	0.3	237	8	DABEIBA (ANTIOQUIA)
628	Sep 14 2016	05:56:39.8	7.18	-76.19	Sup	2.0	0.5	222	14	DABEIBA (ANTIOQUIA)
629	Sep 14 2016	05:57:19.2	7.21	-76.26	Sup	2.7	0.6	184	25	MUTATA (ANTIOQUIA)
630	Sep 14 2016	05:59:53.8	7.18	-76.16	Sup	1.7	0.4	213	10	DABEIBA (ANTIOQUIA)
631	Sep 14 2016	06:02:12.6	7.17	-76.20	Sup	2.1	0.6	125	30	DABEIBA (ANTIOQUIA)
632	Sep 14 2016	06:03:33.0	7.20	-76.21	Sup	1.6	0.4	233	11	DABEIBA (ANTIOQUIA)
633	Sep 14 2016	06:04:46.1	7.13	-76.15	Sup	1.5	0.5	201	12	DABEIBA (ANTIOQUIA)
634	Sep 14 2016	06:10:13.3	5.79	-74.19	76	1.0	0.1	263	8	OTANCHE (BOYACA)
635	Sep 14 2016	06:18: 7.1	7.21	-76.25	Sup	3.2	0.6	126	43	MUTATA (ANTIOQUIA)
636	Sep 14 2016	06:21: 9.4	7.21	-76.26	Sup	3.3	0.6	184	53	MUTATA (ANTIOQUIA)
637	Sep 14 2016	06:29:48.7	7.15	-76.28	Sup	2.0	0.4	243	31	DABEIBA (ANTIOQUIA)
638	Sep 14 2016	06:32:50.5	7.16	-76.30	Sup	2.1	0.5	103	40	MUTATA (ANTIOQUIA)
639	Sep 14 2016	06:33:52.6	7.19	-76.25	Sup	1.4	0.4	242	8	DABEIBA (ANTIOQUIA)
640	Sep 14 2016	06:35:16.7	7.15	-76.26	Sup	1.9	0.6	242	23	DABEIBA (ANTIOQUIA)
641	Sep 14 2016	06:36:29.1	7.12	-76.23	Sup	1.7	0.8	238	20	DABEIBA (ANTIOQUIA)
642	Sep 14 2016	06:37:54.1	7.21	-76.27	Sup	1.8	0.5	245	20	MUTATA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
643	Sep 14 2016	06:39:29.2	7.18	-76.20	Sup	1.6	0.5	229	14	DABEIBA (ANTIOQUIA)
644	Sep 14 2016	06:41:27.9	6.73	-76.03	24	1.6	0.6	149	8	CANASGORDAS (ANTIOQUIA)
645	Sep 14 2016	06:42:27.9	7.21	-76.32	Sup	2.8	0.4	131	47	MUTATA (ANTIOQUIA)
646	Sep 14 2016	06:46:59.5	7.23	-76.31	Sup	4.7*	0.7	177	83	MUTATA (ANTIOQUIA)
647	Sep 14 2016	07:00:32.5	7.25	-76.41	Sup	1.2	0.2	256	10	MUTATA (ANTIOQUIA)
648	Sep 14 2016	07:03:42.6	4.94	-74.64	15	0.7	0.2	225	14	CHAGUANI (CUNDINAMARCA)
649	Sep 14 2016	07:15:59.2	7.24	-76.34	Sup	2.0	0.5	239	26	MUTATA (ANTIOQUIA)
650	Sep 14 2016	07:18: 1.9	6.80	-73.10	152	2.2	0.4	123	38	LOS SANTOS (SANTANDER)
651	Sep 14 2016	07:20:31.8	7.19	-76.21	Sup	2.3	0.6	130	35	DABEIBA (ANTIOQUIA)
652	Sep 14 2016	07:23:15.8	7.15	-76.22	Sup	1.1	0.5	236	8	DABEIBA (ANTIOQUIA)
653	Sep 14 2016	07:25:35.4	7.23	-76.27	Sup	3.1	0.8	108	79	MUTATA (ANTIOQUIA)
654	Sep 14 2016	07:27: 3.8	7.18	-76.18	Sup	2.6	0.5	177	24	DABEIBA (ANTIOQUIA)
655	Sep 14 2016	07:27: 4.0	7.19	-76.24	Sup	2.6	0.8	182	50	MUTATA (ANTIOQUIA)
656	Sep 14 2016	07:29:40.8	7.25	-76.30	Sup	1.8	0.4	249	26	MUTATA (ANTIOQUIA)
657	Sep 14 2016	07:32:22.5	7.04	-76.05	Sup	1.1	0.5	137	10	PEQUE (ANTIOQUIA)
658	Sep 14 2016	07:34:32.7	7.24	-76.29	Sup	1.4	0.5	237	18	MUTATA (ANTIOQUIA)
659	Sep 14 2016	07:39:40.1	7.20	-76.29	Sup	1.5	0.3	246	22	MUTATA (ANTIOQUIA)
660	Sep 14 2016	07:42:55.4	7.23	-76.29	Sup	2.1	0.4	247	20	MUTATA (ANTIOQUIA)
661	Sep 14 2016	07:44:20.5	7.23	-76.46	12	1.4	0.5	283	10	MUTATA (ANTIOQUIA)
662	Sep 14 2016	07:45:38.7	5.76	-75.91	60	1.5	0.3	113	16	HISPANIA (ANTIOQUIA)
663	Sep 14 2016	07:48:25.3	7.26	-76.39	Sup	1.4	0.3	256	16	MUTATA (ANTIOQUIA)
664	Sep 14 2016	07:52:37.7	7.17	-76.19	Sup	1.4	0.5	223	11	DABEIBA (ANTIOQUIA)
665	Sep 14 2016	07:56:36.8	7.21	-76.24	Sup	0.8	0.4	242	10	MUTATA (ANTIOQUIA)
666	Sep 14 2016	07:58:37.0	7.16	-76.16	Sup	1.1	0.4	211	10	DABEIBA (ANTIOQUIA)
667	Sep 14 2016	07:59:49.4	7.17	-76.17	Sup	1.7	0.5	216	13	DABEIBA (ANTIOQUIA)
668	Sep 14 2016	08:01: 8.3	7.12	-76.23	Sup	1.4	0.6	238	7	DABEIBA (ANTIOQUIA)
669	Sep 14 2016	08:11: 2.1	7.23	-76.25	Sup	3.0	0.6	70	55	MUTATA (ANTIOQUIA)
670	Sep 14 2016	08:14:19.0	7.14	-76.16	Sup	1.0	0.4	204	11	DABEIBA (ANTIOQUIA)
671	Sep 14 2016	08:18:35.6	7.18	-76.22	Sup	1.3	0.2	237	7	DABEIBA (ANTIOQUIA)
672	Sep 14 2016	08:19:28.8	7.17	-76.17	Sup	1.6	0.6	216	12	DABEIBA (ANTIOQUIA)
673	Sep 14 2016	08:24: 2.0	7.17	-76.17	Sup	1.6	0.6	216	12	DABEIBA (ANTIOQUIA)
674	Sep 14 2016	08:25:23.4	7.16	-76.18	Sup	1.5	0.5	218	12	DABEIBA (ANTIOQUIA)
675	Sep 14 2016	08:27:14.5	7.19	-76.21	Sup	1.3	0.5	234	12	DABEIBA (ANTIOQUIA)
676	Sep 14 2016	08:32:34.8	7.25	-76.31	Sup	1.4	0.4	250	10	MUTATA (ANTIOQUIA)
677	Sep 14 2016	08:36:23.2	7.20	-76.21	Sup	1.2	0.5	233	8	DABEIBA (ANTIOQUIA)
678	Sep 14 2016	08:42:36.6	7.18	-76.21	Sup	1.2	0.4	231	12	DABEIBA (ANTIOQUIA)
679	Sep 14 2016	08:43:45.4	7.16	-76.17	Sup	1.1	0.4	215	10	DABEIBA (ANTIOQUIA)
680	Sep 14 2016	08:47:46.7	7.24	-76.29	Sup	1.3	0.4	248	8	MUTATA (ANTIOQUIA)
681	Sep 14 2016	08:55:30.7	7.19	-76.24	Sup	1.1	0.4	242	8	DABEIBA (ANTIOQUIA)
682	Sep 14 2016	08:55:54.9	7.15	-76.14	Sup	1.5	0.5	201	7	DABEIBA (ANTIOQUIA)
683	Sep 14 2016	08:59:22.2	7.16	-76.16	Sup	1.2	0.2	210	8	DABEIBA (ANTIOQUIA)
684	Sep 14 2016	09:04:16.8	7.18	-76.28	12	1.0	0.2	244	8	MUTATA (ANTIOQUIA)
685	Sep 14 2016	09:06: 7.3	7.15	-76.14	Sup	1.0	0.3	202	8	DABEIBA (ANTIOQUIA)
686	Sep 14 2016	09:06:57.5	7.19	-76.24	Sup	1.1	0.1	241	6	DABEIBA (ANTIOQUIA)
687	Sep 14 2016	09:06:59.2	7.15	-76.11	Sup	1.5	0.6	190	6	DABEIBA (ANTIOQUIA)
688	Sep 14 2016	09:07:42.7	7.17	-76.28	12	1.3	0.1	244	8	MUTATA (ANTIOQUIA)
689	Sep 14 2016	09:08:36.6	7.17	-76.21	Sup	1.1	0.5	230	7	DABEIBA (ANTIOQUIA)
690	Sep 14 2016	09:11:28.5	7.24	-76.26	Sup	3.2	0.8	128	38	MUTATA (ANTIOQUIA)
691	Sep 14 2016	09:30:12.8	6.80	-73.21	133	1.5	0.5	129	14	ZAPATOCA (SANTANDER)

\*Magnitud de Momento (Mw)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
692	Sep 14 2016	09:34:48.1	7.25	-76.35	Sup	1.6	0.5	252	13	MUTATA (ANTIOQUIA)
693	Sep 14 2016	09:40:48.9	7.20	-76.30	13	1.3	0.5	247	9	MUTATA (ANTIOQUIA)
694	Sep 14 2016	09:43:51.6	5.39	-76.15	90	2.5	0.5	83	29	PUEBLO RICO (RISARALDA)
695	Sep 14 2016	09:46:42.6	7.20	-76.27	Sup	2.0	0.3	244	7	MUTATA (ANTIOQUIA)
696	Sep 14 2016	09:49:26.8	7.09	-73.45	111	2.4	0.7	76	33	SAN VICENTE DE CHUCURI (SANTANDER)
697	Sep 14 2016	10:10:26.3	7.19	-76.25	Sup	1.9	0.7	243	14	MUTATA (ANTIOQUIA)
698	Sep 14 2016	10:13:44.5	7.20	-76.25	Sup	1.6	0.6	243	16	MUTATA (ANTIOQUIA)
699	Sep 14 2016	10:24:56.4	7.21	-76.24	Sup	1.9	0.5	183	20	MUTATA (ANTIOQUIA)
700	Sep 14 2016	10:32: 3.8	7.24	-76.34	9	1.8	0.5	252	18	MUTATA (ANTIOQUIA)
701	Sep 14 2016	10:38:59.1	7.22	-76.30	Sup	2.0	0.3	248	20	MUTATA (ANTIOQUIA)
702	Sep 14 2016	10:44:13.2	7.17	-76.26	Sup	1.6	0.4	251	8	DABEIBA (ANTIOQUIA)
703	Sep 14 2016	10:45: 9.0	7.18	-76.28	Sup	1.2	0.5	256	7	MUTATA (ANTIOQUIA)
704	Sep 14 2016	10:45:46.9	7.22	-76.35	Sup	2.5	0.5	194	39	MUTATA (ANTIOQUIA)
705	Sep 14 2016	10:55:17.7	7.16	-76.20	Sup	1.1	0.5	225	8	DABEIBA (ANTIOQUIA)
706	Sep 14 2016	10:56: 8.4	7.19	-76.24	Sup	1.5	0.6	242	8	DABEIBA (ANTIOQUIA)
707	Sep 14 2016	11:00:43.3	7.22	-76.27	Sup	2.5	0.4	253	8	MUTATA (ANTIOQUIA)
708	Sep 14 2016	11:11:40.5	7.14	-76.30	19	1.4	0.2	267	10	DABEIBA (ANTIOQUIA)
709	Sep 14 2016	11:22:52.5	6.77	-73.12	144	1.9	0.3	140	14	LOS SANTOS (SANTANDER)
710	Sep 14 2016	11:23:27.3	7.21	-76.29	Sup	1.9	0.3	235	16	MUTATA (ANTIOQUIA)
711	Sep 14 2016	11:38: 8.7	7.12	-76.21	Sup	1.0	0.2	229	10	DABEIBA (ANTIOQUIA)
712	Sep 14 2016	11:41:13.7	7.18	-76.29	Sup	1.4	0.3	246	10	MUTATA (ANTIOQUIA)
713	Sep 14 2016	11:53:21.5	7.25	-76.36	Sup	1.8	0.4	253	24	MUTATA (ANTIOQUIA)
714	Sep 14 2016	11:55:57.2	7.19	-76.24	Sup	1.7	0.6	231	24	DABEIBA (ANTIOQUIA)
715	Sep 14 2016	11:58:10.4	7.14	-76.20	Sup	1.3	0.4	224	10	DABEIBA (ANTIOQUIA)
716	Sep 14 2016	12:02:52.0	7.20	-76.24	Sup	4.6*	0.6	77	104	MUTATA (ANTIOQUIA)
717	Sep 14 2016	12:12:19.0	7.20	-76.26	Sup	1.8	0.5	244	9	MUTATA (ANTIOQUIA)
718	Sep 14 2016	12:20: 2.2	7.21	-76.36	13	1.5	0.6	276	8	MUTATA (ANTIOQUIA)
719	Sep 14 2016	12:36:17.7	7.19	-76.27	Sup	2.6	0.6	135	26	MUTATA (ANTIOQUIA)
720	Sep 14 2016	12:37:58.9	7.20	-76.26	Sup	2.2	0.3	248	8	MUTATA (ANTIOQUIA)
721	Sep 14 2016	12:42:20.4	7.20	-76.26	14	1.6	0.6	244	8	MUTATA (ANTIOQUIA)
722	Sep 14 2016	12:48:40.2	7.21	-76.24	Sup	2.7	1.0	175	38	MUTATA (ANTIOQUIA)
723	Sep 14 2016	13:00:52.8	7.17	-76.18	Sup	1.4	0.6	221	10	DABEIBA (ANTIOQUIA)
724	Sep 14 2016	13:08:42.9	7.16	-76.21	Sup	1.6	0.3	233	15	DABEIBA (ANTIOQUIA)
725	Sep 14 2016	13:20: 1.5	7.18	-76.23	Sup	1.2	0.4	239	10	DABEIBA (ANTIOQUIA)
726	Sep 14 2016	13:20:28.4	6.91	-76.26	Sup	1.2	0.4	220	7	DABEIBA (ANTIOQUIA)
727	Sep 14 2016	13:25:27.7	7.11	-76.21	Sup	1.2	0.4	231	9	DABEIBA (ANTIOQUIA)
728	Sep 14 2016	13:51:38.2	7.20	-76.36	Sup	1.2	0.5	251	10	MUTATA (ANTIOQUIA)
729	Sep 14 2016	13:54:13.1	7.17	-76.33	Sup	1.3	0.4	248	10	MUTATA (ANTIOQUIA)
730	Sep 14 2016	14:06:46.7	7.22	-76.32	Sup	1.6	0.3	250	10	MUTATA (ANTIOQUIA)
731	Sep 14 2016	14:10:18.1	7.24	-76.31	13	1.2	0.1	263	8	MUTATA (ANTIOQUIA)
732	Sep 14 2016	14:29:52.3	7.23	-76.31	Sup	1.7	0.5	249	10	MUTATA (ANTIOQUIA)
733	Sep 14 2016	14:34: 9.7	7.22	-76.34	Sup	1.4	0.5	250	9	MUTATA (ANTIOQUIA)
734	Sep 14 2016	14:43:58.2	7.15	-76.29	Sup	3.6	0.8	49	80	DABEIBA (ANTIOQUIA)
735	Sep 14 2016	14:55: 8.4	7.16	-76.26	Sup	2.4	0.7	242	28	DABEIBA (ANTIOQUIA)
736	Sep 14 2016	15:09:13.6	7.16	-76.20	Sup	1.6	0.4	224	10	DABEIBA (ANTIOQUIA)
737	Sep 14 2016	15:13: 7.3	7.20	-76.22	Sup	1.8	0.6	237	11	DABEIBA (ANTIOQUIA)
738	Sep 14 2016	15:33: 1.1	7.19	-76.25	Sup	1.3	0.2	243	8	MUTATA (ANTIOQUIA)
739	Sep 14 2016	15:33:49.1	7.15	-76.25	Sup	1.6	0.6	241	10	DABEIBA (ANTIOQUIA)
740	Sep 14 2016	15:59: 0.1	7.21	-76.22	Sup	2.5	0.6	144	18	MUTATA (ANTIOQUIA)

\*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
741	Sep 14 2016	15:59:34.8	7.24	-76.34	Sup	4.7*	0.5	51	112	MUTATA (ANTIOQUIA)
742	Sep 14 2016	16:03:25.8	7.18	-76.27	Sup	2.3	0.3	144	13	MUTATA (ANTIOQUIA)
743	Sep 14 2016	16:05:42.1	7.22	-76.37	8	1.8	0.5	253	11	MUTATA (ANTIOQUIA)
744	Sep 14 2016	16:11:42.1	7.14	-76.24	Sup	1.9	0.7	240	18	DABEIBA (ANTIOQUIA)
745	Sep 14 2016	16:20:26.5	7.24	-76.28	Sup	1.8	0.6	247	10	MUTATA (ANTIOQUIA)
746	Sep 14 2016	16:27:10.6	7.15	-76.17	Sup	1.2	0.4	213	10	DABEIBA (ANTIOQUIA)
747	Sep 14 2016	16:40:52.8	7.21	-76.30	Sup	1.7	0.2	247	12	MUTATA (ANTIOQUIA)
748	Sep 14 2016	16:50:36.7	7.21	-76.33	Sup	2.1	0.2	249	14	MUTATA (ANTIOQUIA)
749	Sep 14 2016	17:20: 7.6	7.23	-76.35	Sup	2.0	0.4	151	16	MUTATA (ANTIOQUIA)
750	Sep 14 2016	17:22:19.4	7.17	-76.22	Sup	1.7	0.3	235	12	DABEIBA (ANTIOQUIA)
751	Sep 14 2016	17:26:33.6	7.21	-76.29	Sup	2.3	0.5	147	19	MUTATA (ANTIOQUIA)
752	Sep 14 2016	17:39: 9.7	7.19	-76.20	Sup	1.6	0.4	228	10	DABEIBA (ANTIOQUIA)
753	Sep 14 2016	18:13:40.8	7.19	-76.26	Sup	1.7	0.2	248	8	MUTATA (ANTIOQUIA)
754	Sep 14 2016	18:26:32.3	7.20	-76.26	Sup	1.6	0.2	244	10	MUTATA (ANTIOQUIA)
755	Sep 14 2016	19:20: 2.8	7.19	-76.25	Sup	1.9	0.3	242	12	MUTATA (ANTIOQUIA)
756	Sep 14 2016	19:26:19.4	7.06	-72.20	Sup	3.9*	0.6	99	46	CUBARA (BOYACA)
757	Sep 14 2016	19:30:53.6	7.22	-76.24	Sup	1.4	0.3	243	9	MUTATA (ANTIOQUIA)
758	Sep 14 2016	19:38: 2.7	7.19	-76.25	Sup	2.1	0.4	144	15	MUTATA (ANTIOQUIA)
759	Sep 14 2016	19:48:20.1	7.26	-76.35	Sup	2.9	0.5	60	40	MUTATA (ANTIOQUIA)
760	Sep 14 2016	20:16:18.9	7.22	-76.30	Sup	2.6	0.6	91	36	MUTATA (ANTIOQUIA)
761	Sep 14 2016	20:27:37.3	6.76	-73.16	141	1.8	0.3	136	15	LOS SANTOS (SANTANDER)
762	Sep 14 2016	20:32:15.2	7.26	-76.34	Sup	1.5	0.3	252	8	MUTATA (ANTIOQUIA)
763	Sep 14 2016	20:36:54.4	6.82	-73.16	144	2.7	0.6	132	34	LOS SANTOS (SANTANDER)
764	Sep 14 2016	20:50:18.7	6.79	-73.13	148	2.2	0.5	138	18	LOS SANTOS (SANTANDER)
765	Sep 14 2016	21:46: 0.5	7.18	-76.25	Sup	2.4	0.6	143	30	DABEIBA (ANTIOQUIA)
766	Sep 14 2016	22:05:19.0	7.25	-76.34	Sup	1.4	0.2	269	10	MUTATA (ANTIOQUIA)
767	Sep 14 2016	22:07:13.8	7.19	-76.25	Sup	1.5	0.4	243	10	MUTATA (ANTIOQUIA)
768	Sep 14 2016	22:09: 9.5	7.18	-76.24	Sup	1.6	0.3	241	10	DABEIBA (ANTIOQUIA)
769	Sep 14 2016	22:18:34.9	7.75	-72.96	Sup	1.8	0.7	183	13	CACHIRA (N.SANTANDER)
770	Sep 14 2016	22:18:34.9	7.78	-72.94	Sup	1.8	0.5	190	15	CACHIRA (N.SANTANDER)
771	Sep 14 2016	22:23:47.1	5.85	-74.84	Sup	1.3	0.5	96	14	PUERTO TRIUNFO (ANTIOQUIA)
772	Sep 14 2016	22:36:40.3	7.19	-76.26	Sup	1.5	0.4	243	12	MUTATA (ANTIOQUIA)
773	Sep 14 2016	23:04:34.8	6.74	-73.36	120	1.5	0.5	174	10	ZAPATOCA (SANTANDER)
774	Sep 14 2016	23:18:28.6	7.17	-76.33	Sup	1.8	0.6	248	10	MUTATA (ANTIOQUIA)
775	Sep 14 2016	23:20:42.6	7.16	-76.19	Sup	2.2	0.5	223	24	DABEIBA (ANTIOQUIA)
776	Sep 14 2016	23:48:12.4	7.20	-76.23	Sup	1.6	0.3	240	12	DABEIBA (ANTIOQUIA)
777	Sep 15 2016	00:41:11.0	7.22	-76.29	Sup	1.7	0.4	247	24	MUTATA (ANTIOQUIA)
778	Sep 15 2016	00:51: 3.1	7.18	-76.27	Sup	1.5	0.4	244	14	MUTATA (ANTIOQUIA)
779	Sep 15 2016	00:52: 0.4	6.81	-73.13	143	2.0	0.4	138	19	LOS SANTOS (SANTANDER)
780	Sep 15 2016	01:03: 5.2	6.76	-73.12	142	1.5	0.3	238	12	LOS SANTOS (SANTANDER)
781	Sep 15 2016	01:06:14.6	6.76	-73.12	139	2.1	0.4	141	26	LOS SANTOS (SANTANDER)
782	Sep 15 2016	01:30:13.8	7.14	-76.23	Sup	0.9	0.2	238	10	DABEIBA (ANTIOQUIA)
783	Sep 15 2016	01:31: 9.7	6.82	-73.07	140	1.8	0.5	215	22	LOS SANTOS (SANTANDER)
784	Sep 15 2016	01:38:17.4	6.77	-73.15	144	1.8	0.3	234	19	LOS SANTOS (SANTANDER)
785	Sep 15 2016	01:44:11.0	4.73	-78.56	70	1.5	0.2	302	7	O. PACIFICO CENTRO
786	Sep 15 2016	01:57:45.3	7.14	-76.20	Sup	1.7	0.4	225	14	DABEIBA (ANTIOQUIA)
787	Sep 15 2016	01:59:37.8	6.74	-73.14	147	1.6	0.3	233	9	LOS SANTOS (SANTANDER)
788	Sep 15 2016	02:01:55.2	7.21	-76.29	14	1.1	0.3	247	10	MUTATA (ANTIOQUIA)

\*Magnitud de Momento (Mw)

\*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
789	Sep 15 2016	02:25:35.8	7.21	-76.26	Sup	2.3	0.5	106	22	MUTATA (ANTIOQUIA)
790	Sep 15 2016	02:31:56.3	7.22	-76.26	Sup	1.2	0.3	244	10	MUTATA (ANTIOQUIA)
791	Sep 15 2016	02:35: 5.8	7.16	-76.21	Sup	1.0	0.4	229	12	DABEIBA (ANTIOQUIA)
792	Sep 15 2016	02:37:55.7	7.33	-76.46	6	1.3	0.5	263	10	MUTATA (ANTIOQUIA)
793	Sep 15 2016	02:43:12.3	7.22	-76.22	Sup	1.3	0.3	236	12	MUTATA (ANTIOQUIA)
794	Sep 15 2016	02:52: 0.3	6.64	-76.71	19	1.8	0.5	241	14	VIGIA DEL FUERTE (ANTIOQUIA)
795	Sep 15 2016	03:00:41.3	7.15	-76.20	Sup	1.4	0.8	225	10	DABEIBA (ANTIOQUIA)
796	Sep 15 2016	03:03:53.1	7.16	-76.20	Sup	0.9	0.5	226	9	DABEIBA (ANTIOQUIA)
797	Sep 15 2016	03:38:38.1	2.17	-74.76	Sup	1.4	0.7	181	6	SAN VICENTE DEL CAGUAN (CAQUETA)
798	Sep 15 2016	03:51:39.2	7.14	-76.29	Sup	3.4	0.6	57	57	DABEIBA (ANTIOQUIA)
799	Sep 15 2016	03:58:33.2	7.23	-76.31	Sup	1.1	0.6	249	8	MUTATA (ANTIOQUIA)
800	Sep 15 2016	04:21:46.2	6.27	-73.71	103	1.2	0.4	121	12	LANDAZURI (SANTANDER)
801	Sep 15 2016	04:50:57.3	7.18	-76.21	Sup	2.1	0.4	232	16	DABEIBA (ANTIOQUIA)
802	Sep 15 2016	05:10:57.7	7.16	-76.22	Sup	1.5	0.3	235	12	DABEIBA (ANTIOQUIA)
803	Sep 15 2016	05:12:48.8	7.17	-76.19	Sup	1.5	0.3	225	12	DABEIBA (ANTIOQUIA)
804	Sep 15 2016	05:14:47.9	7.13	-76.26	16	1.0	0.3	256	7	DABEIBA (ANTIOQUIA)
805	Sep 15 2016	05:21:52.3	6.80	-73.12	147	2.5	0.4	72	38	LOS SANTOS (SANTANDER)
806	Sep 15 2016	05:42:36.8	6.77	-73.11	146	1.8	0.2	186	15	LOS SANTOS (SANTANDER)
807	Sep 15 2016	06:03:42.6	7.19	-76.23	Sup	2.3	0.3	239	14	DABEIBA (ANTIOQUIA)
808	Sep 15 2016	06:12:28.1	7.23	-76.26	Sup	2.3	0.4	148	34	MUTATA (ANTIOQUIA)
809	Sep 15 2016	06:14:23.6	7.19	-76.25	Sup	1.5	0.4	242	13	MUTATA (ANTIOQUIA)
810	Sep 15 2016	06:18:26.7	7.21	-76.29	Sup	1.7	0.3	246	16	MUTATA (ANTIOQUIA)
811	Sep 15 2016	06:32:34.6	6.14	-73.79	101	1.8	0.4	100	23	LANDAZURI (SANTANDER)
812	Sep 15 2016	06:36:46.5	7.07	-76.29	11	1.1	0.3	241	7	DABEIBA (ANTIOQUIA)
813	Sep 15 2016	07:10: 8.4	7.17	-76.30	13	1.2	0.3	246	8	MUTATA (ANTIOQUIA)
814	Sep 15 2016	07:13: 1.5	7.18	-76.24	Sup	1.6	0.4	241	14	DABEIBA (ANTIOQUIA)
815	Sep 15 2016	07:19:53.5	5.95	-73.57	122	1.7	0.3	141	15	BARBOSA (SANTANDER)
816	Sep 15 2016	07:28: 5.0	6.84	-73.14	146	1.8	0.3	245	13	LOS SANTOS (SANTANDER)
817	Sep 15 2016	07:40:33.1	7.22	-76.28	Sup	2.6	0.5	107	27	MUTATA (ANTIOQUIA)
818	Sep 15 2016	07:44:37.2	7.17	-76.23	Sup	1.2	0.7	241	8	DABEIBA (ANTIOQUIA)
819	Sep 15 2016	07:54:51.5	6.84	-73.11	150	1.3	0.3	245	6	LOS SANTOS (SANTANDER)
820	Sep 15 2016	07:57: 4.5	7.43	-73.12	128	1.3	0.4	192	13	EL PLAYON (SANTANDER)
821	Sep 15 2016	08:37:23.1	7.17	-76.24	Sup	1.3	0.4	241	7	DABEIBA (ANTIOQUIA)
822	Sep 15 2016	08:38:15.8	7.19	-76.24	Sup	1.7	0.5	242	13	DABEIBA (ANTIOQUIA)
823	Sep 15 2016	08:48: 2.2	7.19	-76.24	Sup	1.5	0.4	241	11	DABEIBA (ANTIOQUIA)
824	Sep 15 2016	09:05:50.0	7.18	-76.19	Sup	1.7	0.5	222	21	DABEIBA (ANTIOQUIA)
825	Sep 15 2016	09:44: 6.6	6.76	-73.11	141	1.6	0.5	165	11	LOS SANTOS (SANTANDER)
826	Sep 15 2016	09:54: 9.7	2.95	-74.77	Sup	1.7	0.4	188	10	BARAYA (HUILA)
827	Sep 15 2016	09:59:43.1	7.22	-76.34	14	1.4	0.3	251	9	MUTATA (ANTIOQUIA)
828	Sep 15 2016	10:28: 8.2	6.77	-73.12	149	1.8	0.4	258	14	LOS SANTOS (SANTANDER)
829	Sep 15 2016	10:29: 8.8	7.19	-76.25	Sup	1.5	0.2	246	8	MUTATA (ANTIOQUIA)
830	Sep 15 2016	11:01:20.2	7.20	-76.31	Sup	1.9	0.4	265	14	MUTATA (ANTIOQUIA)
831	Sep 15 2016	11:11:29.1	7.20	-76.31	Sup	2.1	0.5	147	20	MUTATA (ANTIOQUIA)
832	Sep 15 2016	11:20:42.1	5.28	-73.73	144	2.6	0.5	65	47	LENGUAZAQUE (CUNDINAMARCA)
833	Sep 15 2016	11:37:24.8	7.20	-76.30	12	1.2	0.4	247	7	MUTATA (ANTIOQUIA)
834	Sep 15 2016	14:42:21.0	6.79	-73.14	143	2.6	0.4	71	37	LOS SANTOS (SANTANDER)
835	Sep 15 2016	16:55: 3.6	5.46	-74.12	109	2.5	0.4	87	32	MUZO (BOYACA)
836	Sep 15 2016	17:06:37.0	6.81	-73.15	136	1.6	0.5	135	10	LOS SANTOS (SANTANDER)
837	Sep 15 2016	17:20: 1.0	7.16	-76.23	Sup	1.3	0.4	239	10	DABEIBA (ANTIOQUIA)
838	Sep 15 2016	17:26:40.9	7.18	-76.26	Sup	1.9	0.5	243	10	DABEIBA (ANTIOQUIA)
839	Sep 15 2016	17:27:34.4	7.19	-76.26	Sup	1.9	0.5	244	12	MUTATA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
840	Sep 15 2016	18:11:41.2	6.78	-73.16	142	1.8	0.3	242	18	LOS SANTOS (SANTANDER)
841	Sep 15 2016	18:17:49.3	12.64	-73.21	28	3.4	0.4	270	10	MAR CARIBE
842	Sep 15 2016	19:20: 9.8	7.15	-76.22	Sup	2.2	0.5	139	26	DABEIBA (ANTIOQUIA)
843	Sep 15 2016	19:31:55.1	5.87	-74.15	9	2.3	0.4	71	32	LA BELLEZA (SANTANDER)
844	Sep 15 2016	19:51:19.0	6.84	-73.17	143	1.6	0.2	278	10	ZAPATOCA (SANTANDER)
845	Sep 15 2016	20:27: 3.5	7.25	-76.30	Sup	1.6	0.5	249	11	MUTATA (ANTIOQUIA)
846	Sep 15 2016	21:28:54.4	7.21	-76.27	Sup	1.4	0.6	245	10	MUTATA (ANTIOQUIA)
847	Sep 15 2016	22:17:40.3	7.17	-76.20	Sup	1.5	0.7	227	10	DABEIBA (ANTIOQUIA)
848	Sep 15 2016	22:31: 6.8	7.19	-76.26	Sup	1.9	0.7	243	15	MUTATA (ANTIOQUIA)
849	Sep 15 2016	22:34:19.8	7.57	-73.01	157	2.2	0.5	125	24	CACHIRA (N.SANTANDER)
850	Sep 15 2016	22:55: 9.5	7.17	-76.23	Sup	1.4	0.4	239	8	DABEIBA (ANTIOQUIA)
851	Sep 15 2016	23:02:27.3	7.19	-76.22	Sup	1.6	0.5	236	9	DABEIBA (ANTIOQUIA)
852	Sep 15 2016	23:19:18.7	5.26	-73.72	151	2.7	0.5	65	46	LENGUAZAQUE (CUNDINAMARCA)
853	Sep 15 2016	23:42:53.2	7.19	-76.22	Sup	1.6	0.6	230	13	DABEIBA (ANTIOQUIA)
854	Sep 15 2016	23:44:43.3	7.21	-76.39	12	1.1	0.2	281	9	MUTATA (ANTIOQUIA)
855	Sep 16 2016	00:31:21.8	7.17	-76.27	Sup	1.3	0.4	255	8	MUTATA (ANTIOQUIA)
856	Sep 16 2016	00:36:37.7	7.17	-76.31	8	1.3	0.5	246	8	MUTATA (ANTIOQUIA)
857	Sep 16 2016	01:18: 6.6	6.39	-73.60	104	1.3	0.4	143	8	SANTA HELENA DEL OPON (SANTANDER)
858	Sep 16 2016	01:48:23.3	7.25	-76.32	Sup	1.6	0.5	251	12	MUTATA (ANTIOQUIA)
859	Sep 16 2016	02:19: 5.0	7.19	-76.25	Sup	1.3	0.7	243	10	MUTATA (ANTIOQUIA)
860	Sep 16 2016	02:27: 5.1	6.80	-73.13	146	1.4	0.4	138	14	LOS SANTOS (SANTANDER)
861	Sep 16 2016	02:31:29.3	7.17	-76.24	Sup	1.0	0.5	243	8	DABEIBA (ANTIOQUIA)
862	Sep 16 2016	02:37:40.4	6.80	-73.14	152	4.1*	0.5	53	90	LOS SANTOS (SANTANDER)
863	Sep 16 2016	02:43:20.9	7.20	-76.27	Sup	1.7	0.4	244	11	MUTATA (ANTIOQUIA)
864	Sep 16 2016	03:02: 1.3	7.18	-76.23	Sup	1.5	0.5	238	10	DABEIBA (ANTIOQUIA)
865	Sep 16 2016	03:16:43.1	7.14	-76.17	Sup	1.9	0.5	212	24	DABEIBA (ANTIOQUIA)
866	Sep 16 2016	03:19: 4.2	7.19	-76.28	Sup	1.3	0.4	245	10	MUTATA (ANTIOQUIA)
867	Sep 16 2016	03:25:50.0	10.69	-73.49	32	1.5	0.4	160	10	PUEBLO BELLO (CESAR)
868	Sep 16 2016	03:35:23.4	6.77	-73.11	145	1.8	0.4	122	23	LOS SANTOS (SANTANDER)
869	Sep 16 2016	03:50:28.4	6.81	-73.15	146	2.7	0.5	56	51	LOS SANTOS (SANTANDER)
870	Sep 16 2016	03:56:25.1	7.20	-76.33	Sup	1.2	0.3	249	10	MUTATA (ANTIOQUIA)
871	Sep 16 2016	04:07:36.5	6.78	-73.14	146	1.5	0.4	137	13	LOS SANTOS (SANTANDER)
872	Sep 16 2016	04:37:15.2	10.82	-72.39	46	1.7	0.3	194	9	FRONTERA CON VENEZUELA
873	Sep 16 2016	04:51:51.4	7.19	-76.29	Sup	1.2	0.4	245	10	MUTATA (ANTIOQUIA)
874	Sep 16 2016	05:04:55.1	7.17	-76.22	Sup	1.2	0.4	237	8	DABEIBA (ANTIOQUIA)
875	Sep 16 2016	05:23:54.9	7.14	-76.29	9	0.8	0.2	244	8	DABEIBA (ANTIOQUIA)
876	Sep 16 2016	05:25:22.7	6.79	-73.16	146	1.8	0.4	134	24	LOS SANTOS (SANTANDER)
877	Sep 16 2016	05:32:31.1	6.79	-73.14	137	1.1	0.2	137	14	LOS SANTOS (SANTANDER)
878	Sep 16 2016	05:59:22.8	6.76	-73.13	148	1.6	0.4	140	24	LOS SANTOS (SANTANDER)
879	Sep 16 2016	06:22:27.3	7.18	-76.24	Sup	1.2	0.5	242	12	DABEIBA (ANTIOQUIA)
880	Sep 16 2016	06:53:42.2	7.19	-76.23	Sup	0.9	0.4	239	12	DABEIBA (ANTIOQUIA)
881	Sep 16 2016	06:57:37.3	7.16	-76.21	Sup	1.4	0.3	231	12	DABEIBA (ANTIOQUIA)
882	Sep 16 2016	07:35:11.4	7.16	-76.22	Sup	2.6	0.7	198	25	DABEIBA (ANTIOQUIA)
883	Sep 16 2016	07:49:17.5	7.19	-76.25	Sup	2.4	0.4	231	32	MUTATA (ANTIOQUIA)
884	Sep 16 2016	08:09:35.5	7.19	-76.26	Sup	1.6	0.4	243	14	MUTATA (ANTIOQUIA)
885	Sep 16 2016	09:29:27.1	7.22	-76.26	Sup	2.7	0.6	185	31	MUTATA (ANTIOQUIA)
886	Sep 16 2016	09:29:27.3	4.48	-76.17	135	2.4	0.5	143	19	EL DOVIO (VALLE)
887	Sep 16 2016	09:32: 3.2	7.20	-76.23	Sup	1.7	0.5	239	12	MUTATA (ANTIOQUIA)

\*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
888	Sep 16 2016	09:34:51.4	6.77	-73.12	153	1.6	0.3	140	16	LOS SANTOS (SANTANDER)
889	Sep 16 2016	09:59: 4.4	7.40	-73.19	133	1.6	0.3	105	14	EL PLAYON (SANTANDER)
890	Sep 16 2016	12:00:43.8	6.57	-73.47	118	1.9	0.4	70	20	EL CARMEN (SANTANDER)
891	Sep 16 2016	12:06:20.7	6.81	-73.19	127	1.3	0.2	130	11	ZAPATOCA (SANTANDER)
892	Sep 16 2016	12:33:57.5	7.14	-76.26	7	1.2	0.2	242	8	DABEIBA (ANTIOQUIA)
893	Sep 16 2016	13:39:59.8	6.78	-73.14	138	2.0	0.4	138	20	LOS SANTOS (SANTANDER)
894	Sep 16 2016	13:44:53.3	7.14	-76.24	15	1.4	0.3	240	8	DABEIBA (ANTIOQUIA)
895	Sep 16 2016	14:13:44.4	5.61	-73.94	128	1.6	0.4	130	12	PAUNA (BOYACA)
896	Sep 16 2016	14:30:20.0	7.19	-76.24	Sup	1.5	0.4	242	10	DABEIBA (ANTIOQUIA)
897	Sep 16 2016	14:32:43.6	6.31	-74.21	66	1.5	0.3	152	8	CIMITARRA (SANTANDER)
898	Sep 16 2016	15:01:59.6	6.85	-73.16	140	1.5	0.4	131	10	ZAPATOCA (SANTANDER)
899	Sep 16 2016	15:51:45.0	6.81	-73.18	136	1.7	0.6	131	12	ZAPATOCA (SANTANDER)
900	Sep 16 2016	16:28:44.0	6.77	-73.11	151	2.1	0.4	239	18	LOS SANTOS (SANTANDER)
901	Sep 16 2016	16:52:39.1	7.23	-76.31	Sup	2.1	0.5	249	20	MUTATA (ANTIOQUIA)
902	Sep 16 2016	17:27: 5.3	5.21	-72.96	Sup	2.3	0.5	264	24	SAN EDUARDO (BOYACA)
903	Sep 16 2016	17:31:17.8	2.39	-75.57	22	1.3	0.2	200	8	GIGANTE (HUILA)
904	Sep 16 2016	19:43:44.2	6.78	-73.17	146	2.0	0.3	134	14	LOS SANTOS (SANTANDER)
905	Sep 16 2016	19:49:34.1	7.22	-76.25	Sup	2.8	0.7	147	28	MUTATA (ANTIOQUIA)
906	Sep 16 2016	20:13: 1.0	6.79	-73.21	135	1.5	0.2	129	7	ZAPATOCA (SANTANDER)
907	Sep 16 2016	20:18:22.6	6.77	-76.22	Sup	1.6	0.3	197	12	FRONTINO (ANTIOQUIA)
908	Sep 16 2016	21:57:32.9			Sup			293	8	MUTATA (ANTIOQUIA)
909	Sep 16 2016	22:13:22.6	6.77	-73.15	145	1.8	0.3	137	18	LOS SANTOS (SANTANDER)
910	Sep 16 2016	22:48:22.6	6.18	-73.61	117	1.9	0.1	72	18	LA PAZ (SANTANDER)
911	Sep 16 2016	23:19:55.8	9.97	-73.23	118	2.3	0.3	152	13	AGUSTIN CODAZZI (CESAR)
912	Sep 16 2016	23:33: 8.3	7.13	-76.40	10	1.7	0.4	277	9	MUTATA (ANTIOQUIA)
913	Sep 16 2016	23:39:57.6	10.20	-73.22	98	2.3	0.3	146	11	SAN DIEGO (CESAR)
914	Sep 16 2016	23:45: 9.6	7.20	-76.28	Sup	1.7	0.3	254	9	MUTATA (ANTIOQUIA)
915	Sep 17 2016	00:27:14.5	6.90	-76.21	50	1.4	0.4	194	14	URAMITA (ANTIOQUIA)
916	Sep 17 2016	00:55:15.3	7.23	-76.27	Sup	2.4	0.6	148	16	MUTATA (ANTIOQUIA)
917	Sep 17 2016	00:55:56.7	7.24	-76.40	Sup	2.3	0.5	153	16	MUTATA (ANTIOQUIA)
918	Sep 17 2016	01:28: 9.3	7.18	-76.30	Sup	1.1	0.6	262	9	MUTATA (ANTIOQUIA)
919	Sep 17 2016	01:48: 6.1	5.56	-77.81	30	2.4	0.6	189	29	O. PACIFICO NORTE
920	Sep 17 2016	01:56:39.5	6.07	-74.22	Sup	1.3	0.4	173	10	LA BELLEZA (SANTANDER)
921	Sep 17 2016	02:04:49.5	6.79	-73.15	145	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
922	Sep 17 2016	02:11:23.2	7.19	-76.22	Sup	2.7	0.8	87	44	DABEIBA (ANTIOQUIA)
923	Sep 17 2016	02:23: 6.8	7.18	-76.24	Sup	1.7	0.6	241	8	DABEIBA (ANTIOQUIA)
924	Sep 17 2016	02:55:11.7	7.19	-76.26	Sup	1.6	0.5	244	16	MUTATA (ANTIOQUIA)
925	Sep 17 2016	02:58:22.4	4.07	-76.24	Sup	1.7	0.6	90	22	TULUA (VALLE)
926	Sep 17 2016	03:43:10.2	6.82	-73.10	142	2.2	0.6	140	29	LOS SANTOS (SANTANDER)
927	Sep 17 2016	05:36: 0.4	6.80	-73.18	145	1.6	0.4	132	14	ZAPATOCA (SANTANDER)
928	Sep 17 2016	06:24: 6.2	6.78	-73.12	140	1.7	0.5	140	18	LOS SANTOS (SANTANDER)
929	Sep 17 2016	06:33:59.3	6.79	-73.11	153	1.9	0.4	141	17	LOS SANTOS (SANTANDER)
930	Sep 17 2016	06:48:49.2	6.78	-73.13	146	1.6	0.4	139	17	LOS SANTOS (SANTANDER)
931	Sep 17 2016	07:40:36.3	7.20	-76.25	Sup	1.5	0.4	243	10	MUTATA (ANTIOQUIA)
932	Sep 17 2016	07:47:23.9	7.18	-76.23	Sup	1.1	0.5	239	8	DABEIBA (ANTIOQUIA)
933	Sep 17 2016	08:01:59.2	7.21	-73.33	121	1.5	0.1	107	9	LEBRIJA (SANTANDER)
934	Sep 17 2016	08:20:53.0	7.26	-76.36	Sup	2.6	0.6	52	54	MUTATA (ANTIOQUIA)
935	Sep 17 2016	08:32: 8.9	7.21	-76.27	Sup	1.4	0.5	245	12	MUTATA (ANTIOQUIA)
936	Sep 17 2016	08:38:10.9	6.83	-76.36	Sup	1.3	0.6	241	12	DABEIBA (ANTIOQUIA)
937	Sep 17 2016	08:45: 3.3	6.50	-73.80	86	1.4	0.5	116	12	CIMITARRA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
938	Sep 17 2016	09:41:40.3	6.69	-73.04	139	1.7	0.3	196	11	ARATOCA (SANTANDER)
939	Sep 17 2016	12:06:45.6	6.83	-73.30	124	1.7	0.3	210	10	ZAPATOCA (SANTANDER)
940	Sep 17 2016	12:46: 7.5	4.98	-76.04	110	1.9	0.3	111	12	LA CELIA (RISARALDA)
941	Sep 17 2016	12:50:25.0	7.20	-76.26	Sup	1.7	0.4	244	12	MUTATA (ANTIOQUIA)
942	Sep 17 2016	13:41:51.5	7.19	-76.28	Sup	2.5	0.4	145	26	MUTATA (ANTIOQUIA)
943	Sep 17 2016	14:04: 4.1	6.11	-73.71	103	1.5	0.4	109	12	CHIPATA (SANTANDER)
944	Sep 17 2016	14:30:43.7	6.79	-73.17	138	2.0	0.4	133	18	LOS SANTOS (SANTANDER)
945	Sep 17 2016	15:54:46.1	7.19	-76.24	Sup	1.7	0.5	242	10	DABEIBA (ANTIOQUIA)
946	Sep 17 2016	15:56:40.0	6.77	-73.16	142	2.1	0.4	135	17	LOS SANTOS (SANTANDER)
947	Sep 17 2016	16:47: 5.6	6.84	-73.21	137	1.4	0.1	126	8	ZAPATOCA (SANTANDER)
948	Sep 17 2016	17:28:44.1	5.23	-74.76	31	1.8	0.7	101	22	HONDA (TOLIMA)
949	Sep 17 2016	17:39: 0.6	6.73	-73.13	132	1.4	0.4	141	7	JORDAN (SANTANDER)
950	Sep 17 2016	18:12:53.9	6.80	-73.14	143	3.0	0.5	71	38	LOS SANTOS (SANTANDER)
951	Sep 17 2016	18:20:46.0	6.81	-73.14	147	2.8	0.4	137	34	LOS SANTOS (SANTANDER)
952	Sep 17 2016	18:51:27.9	7.28	-76.40	Sup	2.3	0.4	158	20	MUTATA (ANTIOQUIA)
953	Sep 17 2016	20:03:45.6	6.78	-73.14	150	2.1	0.4	119	25	LOS SANTOS (SANTANDER)
954	Sep 17 2016	20:50:16.1	3.78	-76.17	102	2.6	0.4	108	39	GINEBRA (VALLE)
955	Sep 17 2016	21:25:16.5	6.70	-73.10	146	1.6	0.1	145	7	JORDAN (SANTANDER)
956	Sep 17 2016	22:03:25.1	6.80	-73.13	150	1.8	0.4	138	15	LOS SANTOS (SANTANDER)
957	Sep 17 2016	22:32:22.9	7.16	-76.24	Sup	2.4	0.3	141	22	DABEIBA (ANTIOQUIA)
958	Sep 17 2016	23:04:57.2	7.25	-76.32	Sup	2.5	0.6	191	31	MUTATA (ANTIOQUIA)
959	Sep 17 2016	23:31:17.8	7.20	-76.24	Sup	1.4	0.6	242	10	MUTATA (ANTIOQUIA)
960	Sep 17 2016	23:43:10.1	6.79	-73.16	144	1.4	0.5	135	10	LOS SANTOS (SANTANDER)
961	Sep 18 2016	01:22:11.7	6.21	-77.57	17	1.7	0.4	211	12	O. PACIFICO NORTE
962	Sep 18 2016	01:26:58.0	7.17	-77.81	14	3.0	0.8	145	55	JURADO (CHOCO)
963	Sep 18 2016	01:45:45.5	2.72	-75.08	Sup	1.4	0.3	197	10	RIVERA (HUILA)
964	Sep 18 2016	01:46: 6.7	6.74	-73.17	150	1.3	0.4	230	9	LOS SANTOS (SANTANDER)
965	Sep 18 2016	01:56: 2.4	6.76	-73.18	152	1.8	0.3	231	16	LOS SANTOS (SANTANDER)
966	Sep 18 2016	02:05:34.3	10.08	-73.16	120	2.0	0.4	150	18	AGUSTIN CODAZZI (CESAR)
967	Sep 18 2016	02:14:17.4	6.79	-73.10	151	2.2	0.5	123	35	LOS SANTOS (SANTANDER)
968	Sep 18 2016	02:44:23.9	6.05	-73.79	Sup	1.1	0.1	197	8	EL PENON (SANTANDER)
969	Sep 18 2016	03:46:32.1	7.20	-76.27	Sup	2.0	0.6	233	26	MUTATA (ANTIOQUIA)
970	Sep 18 2016	03:49:42.5	6.46	-72.07	Sup	1.5	0.6	131	16	TAME (ARAUCA)
971	Sep 18 2016	04:28: 5.7	7.18	-76.26	Sup	2.7	0.5	88	48	MUTATA (ANTIOQUIA)
972	Sep 18 2016	04:36:46.8	6.82	-73.15	149	2.8	0.4	53	50	LOS SANTOS (SANTANDER)
973	Sep 18 2016	04:58: 9.8	6.76	-73.10	143	1.5	0.3	143	8	LOS SANTOS (SANTANDER)
974	Sep 18 2016	06:46:18.0	8.29	-73.55	103	1.6	0.2	148	14	AGUACHICA (CESAR)
975	Sep 18 2016	06:51:30.9	6.80	-73.14	147	2.0	0.4	137	22	LOS SANTOS (SANTANDER)
976	Sep 18 2016	06:56:40.5	6.76	-73.12	147	1.7	0.6	141	16	LOS SANTOS (SANTANDER)
977	Sep 18 2016	06:57:32.0	6.84	-73.14	144	2.4	0.4	69	40	LOS SANTOS (SANTANDER)
978	Sep 18 2016	07:26:43.9	7.32	-76.19	Sup	1.6	0.5	234	18	MUTATA (ANTIOQUIA)
979	Sep 18 2016	07:51:26.8	7.18	-76.21	Sup	1.9	0.6	229	20	DABEIBA (ANTIOQUIA)
980	Sep 18 2016	08:07:51.0	9.48	-72.90	Sup	1.6	0.4	197	8	FRONTERA CON VENEZUELA
981	Sep 18 2016	08:14:11.3	6.77	-73.13	146	1.6	0.4	140	16	LOS SANTOS (SANTANDER)
982	Sep 18 2016	08:17:13.1	5.23	-74.68	29	1.0	0.3	132	8	HONDA (TOLIMA)
983	Sep 18 2016	08:33:27.4	6.76	-73.19	152	1.4	0.4	229	11	ZAPATOCA (SANTANDER)
984	Sep 18 2016	08:45: 3.4	8.32	-73.28	136	1.9	0.4	176	14	RIO DE ORO (CESAR)
985	Sep 18 2016	10:28:59.7	6.76	-73.15	139	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
986	Sep 18 2016	11:30:54.1	6.78	-73.11	147	1.7	0.3	164	8	LOS SANTOS (SANTANDER)
987	Sep 18 2016	12:27:46.0	8.63	-73.45	109	2.4	0.5	97	26	EL CARMEN (N.SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
988	Sep 18 2016	14:35:46.0	6.81	-73.12	147	3.4	0.5	53	68	LOS SANTOS (SANTANDER)
989	Sep 18 2016	14:40:20.6	8.70	-73.56	88	1.8	0.5	131	14	PELAYA (CESAR)
990	Sep 18 2016	16:26: 4.8	6.24	-73.92	92	1.5	0.4	61	24	CIMITARRA (SANTANDER)
991	Sep 18 2016	16:56:42.1	4.67	-76.10	102	1.6	0.3	123	8	ARGELIA (VALLE)
992	Sep 18 2016	18:24:18.0	4.33	-75.75	33	2.0	0.2	174	12	BUENAVISTA (QUINDIO)
993	Sep 18 2016	19:57:17.8	6.78	-73.16	149	1.7	0.4	135	10	LOS SANTOS (SANTANDER)
994	Sep 18 2016	20:04:41.4	5.20	-73.73	146	1.8	0.2	137	12	CUCUNUBA (CUNDINAMARCA)
995	Sep 18 2016	20:40:24.2	6.75	-73.13	140	1.8	0.3	140	16	LOS SANTOS (SANTANDER)
996	Sep 18 2016	21:23:11.7	6.78	-73.13	141	1.4	0.2	138	11	LOS SANTOS (SANTANDER)
997	Sep 18 2016	21:30:16.1	6.78	-73.11	139	2.1	0.4	141	24	LOS SANTOS (SANTANDER)
998	Sep 18 2016	22:23:44.0	1.94	-75.91	15	1.5	0.1	141	8	TIMANA (HUILA)
999	Sep 18 2016	23:17: 6.6	6.76	-73.11	141	1.5	0.2	142	14	LOS SANTOS (SANTANDER)
1000	Sep 18 2016	23:34:38.9	5.87	-74.13	11	1.3	0.3	118	10	LA BELLEZA (SANTANDER)
1001	Sep 19 2016	00:01: 4.7	6.78	-73.10	145	1.9	0.4	143	26	LOS SANTOS (SANTANDER)
1002	Sep 19 2016	01:06:30.2	6.89	-75.28	20	1.5	0.3	145	11	ANGOSTURA (ANTIOQUIA)
1003	Sep 19 2016	01:54:22.1	6.79	-73.14	152	1.8	0.4	137	29	LOS SANTOS (SANTANDER)
1004	Sep 19 2016	03:02: 5.7	6.82	-73.14	153	1.9	0.5	135	30	LOS SANTOS (SANTANDER)
1005	Sep 19 2016	03:21:47.0	7.94	-74.78	23	1.3	0.2	183	10	NECHI (ANTIOQUIA)
1006	Sep 19 2016	03:38:24.9	7.15	-76.23	Sup	1.0	0.5	240	8	DABEIBA (ANTIOQUIA)
1007	Sep 19 2016	03:55:44.2	6.81	-73.14	150	1.3	0.4	183	13	LOS SANTOS (SANTANDER)
1008	Sep 19 2016	04:02: 2.8	7.16	-76.30	Sup	1.0	0.5	245	10	MUTATA (ANTIOQUIA)
1009	Sep 19 2016	04:07:57.9	7.19	-76.30	9	1.1	0.5	263	10	MUTATA (ANTIOQUIA)
1010	Sep 19 2016	04:23: 7.0	10.89	-73.59	70	1.6	0.3	129	12	PUEBLO BELLO (CESAR)
1011	Sep 19 2016	04:28:39.2	6.75	-73.20	152	1.4	0.3	177	12	VILLANUEVA (SANTANDER)
1012	Sep 19 2016	04:36:37.4	6.80	-73.12	148	2.1	0.6	67	37	LOS SANTOS (SANTANDER)
1013	Sep 19 2016	04:42:45.9	7.18	-76.22	Sup	1.2	0.4	235	12	DABEIBA (ANTIOQUIA)
1014	Sep 19 2016	05:28: 5.2	6.78	-73.11	150	1.6	0.4	186	18	LOS SANTOS (SANTANDER)
1015	Sep 19 2016	05:32:25.5	1.29	-78.71	105	1.8	0.5	110	18	FRONTERA CON ECUADOR
1016	Sep 19 2016	05:47:20.3	6.83	-73.09	145	1.6	0.4	188	18	LOS SANTOS (SANTANDER)
1017	Sep 19 2016	06:12:23.8	6.75	-73.24	150	1.2	0.1	270	6	ZAPATOCA (SANTANDER)
1018	Sep 19 2016	06:29:55.3	6.75	-73.19	161	1.3	0.4	274	7	VILLANUEVA (SANTANDER)
1019	Sep 19 2016	06:35:28.1	5.23	-73.80	144	1.3	0.5	154	11	CUCUNUBA (CUNDINAMARCA)
1020	Sep 19 2016	07:21:57.3	2.57	-75.34	27	1.1	0.3	264	6	ALGECIRAS (HUILA)
1021	Sep 19 2016	07:50:55.4	7.21	-76.29	Sup	1.6	0.4	246	13	MUTATA (ANTIOQUIA)
1022	Sep 19 2016	08:33:39.9	6.49	-75.66	Sup	1.3	0.6	190	10	SAN JERONIMO (ANTIOQUIA)
1023	Sep 19 2016	08:49:56.0	6.76	-72.89	Sup	1.4	0.5	259	12	SAN ANDRES (SANTANDER)
1024	Sep 19 2016	09:17: 7.6	7.79	-75.22	25	1.8	0.3	175	18	CAUCASIA (ANTIOQUIA)
1025	Sep 19 2016	09:23:17.0	6.75	-73.12	147	1.6	0.3	236	12	LOS SANTOS (SANTANDER)
1026	Sep 19 2016	10:35:26.2	7.00	-73.13	158	1.4	0.3	194	8	GIRON (SANTANDER)
1027	Sep 19 2016	10:41:35.0	6.75	-73.16	150	1.5	0.3	232	11	LOS SANTOS (SANTANDER)
1028	Sep 19 2016	10:55:36.1	6.64	-73.14	145	1.4	0.2	268	8	VILLANUEVA (SANTANDER)
1029	Sep 19 2016	11:14:47.2	6.63	-74.66	Sup	1.3	0.4	209	12	MACEO (ANTIOQUIA)
1030	Sep 19 2016	12:41: 3.9	6.82	-73.12	146	3.0	0.6	53	64	LOS SANTOS (SANTANDER)
1031	Sep 19 2016	13:17:21.0	6.81	-73.09	148	2.7	0.4	122	44	LOS SANTOS (SANTANDER)
1032	Sep 19 2016	13:25: 4.4	6.95	-74.85	32	1.7	0.2	136	8	REMEDIOS (ANTIOQUIA)
1033	Sep 19 2016	14:14:17.7	6.28	-73.58	117	1.3	0.2	234	7	SANTA HELENA DEL OPO (SANTANDER)
1034	Sep 19 2016	15:10:32.4	6.83	-73.12	152	3.2	0.5	67	68	LOS SANTOS (SANTANDER)
1035	Sep 19 2016	16:53:19.8	5.25	-74.48	28	1.3	0.1	139	8	UTICA (CUNDINAMARCA)
1036	Sep 19 2016	17:35: 9.0	6.84	-73.13	142	2.6	0.6	70	46	LOS SANTOS (SANTANDER)
1037	Sep 19 2016	19:23:43.5	6.77	-73.14	146	1.8	0.3	138	20	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1038	Sep 19 2016	19:51: 3.0	7.18	-76.23	Sup	1.4	0.2	266	7	DABEIBA (ANTIOQUIA)
1039	Sep 19 2016	20:17:42.1	7.90	-74.87	27	3.7	0.5	95	47	NECHI (ANTIOQUIA)
1040	Sep 19 2016	20:41:34.1	7.20	-74.12	Sup	1.8	0.3	153	12	PUERTO WILCHES (SANTANDER)
1041	Sep 19 2016	20:54:10.3	6.79	-73.12	148	2.4	0.3	139	21	LOS SANTOS (SANTANDER)
1042	Sep 19 2016	21:53: 0.2	6.81	-73.21	134	1.8	0.5	128	11	ZAPATOCA (SANTANDER)
1043	Sep 19 2016	21:56:15.0	11.11	-73.88	16	1.6	0.5	154	8	PUEBLO BELLO (CESAR)
1044	Sep 19 2016	22:21:59.6	6.74	-73.15	138	1.4	0.5	137	11	LOS SANTOS (SANTANDER)
1045	Sep 19 2016	22:34:36.8	5.28	-73.73	144	1.9	0.4	132	15	LENGUAZAQUE (CUNDINAMARCA)
1046	Sep 19 2016	22:43:22.5	6.76	-73.13	146	1.8	0.5	139	18	LOS SANTOS (SANTANDER)
1047	Sep 19 2016	23:27:41.6	6.81	-73.14	146	3.2	0.4	70	44	LOS SANTOS (SANTANDER)
1048	Sep 20 2016	00:29:35.7	7.83	-73.62	90	1.5	0.5	143	10	SAN MARTIN (CESAR)
1049	Sep 20 2016	00:31: 7.9	6.54	-73.52	108	1.6	0.4	71	19	EL CARMEN (SANTANDER)
1050	Sep 20 2016	00:44:25.4	7.17	-76.27	Sup	1.3	0.4	253	8	DABEIBA (ANTIOQUIA)
1051	Sep 20 2016	00:47:37.8	6.78	-73.15	145	1.6	0.2	136	14	LOS SANTOS (SANTANDER)
1052	Sep 20 2016	00:53: 9.7	7.19	-73.39	118	1.6	0.4	83	14	LEBRIJA (SANTANDER)
1053	Sep 20 2016	01:21:50.0	5.40	-73.76	134	1.4	0.3	123	14	FUQUENE (CUNDINAMARCA)
1054	Sep 20 2016	02:26:43.0	6.78	-73.11	146	2.1	0.4	123	28	LOS SANTOS (SANTANDER)
1055	Sep 20 2016	02:29: 1.7	6.82	-75.25	19	1.2	0.4	125	14	GUADALUPE (ANTIOQUIA)
1056	Sep 20 2016	02:56:31.6	2.68	-76.65	101	1.2	0.1	162	11	MORALES (CAUCA)
1057	Sep 20 2016	03:01:10.4	6.01	-74.26	21	1.5	0.3	72	22	PUERTO BOYACA (BOYACA)
1058	Sep 20 2016	03:12:55.8	6.77	-73.08	150	2.5	0.5	125	48	LOS SANTOS (SANTANDER)
1059	Sep 20 2016	03:18:42.4	7.18	-76.28	Sup	1.5	0.3	244	10	MUTATA (ANTIOQUIA)
1060	Sep 20 2016	03:28:45.5	6.80	-73.10	146	2.1	0.6	122	30	LOS SANTOS (SANTANDER)
1061	Sep 20 2016	03:38:28.8	6.76	-73.11	137	1.6	0.4	209	15	LOS SANTOS (SANTANDER)
1062	Sep 20 2016	04:16:26.2	7.20	-76.27	Sup	1.5	0.3	245	18	MUTATA (ANTIOQUIA)
1063	Sep 20 2016	04:46: 3.1	5.59	-74.28	40	1.1	0.3	101	15	LA VICTORIA (BOYACA)
1064	Sep 20 2016	04:58:18.7	6.83	-73.08	155	1.4	0.2	267	10	LOS SANTOS (SANTANDER)
1065	Sep 20 2016	06:09:24.2	7.14	-76.29	Sup	1.7	0.6	244	22	DABEIBA (ANTIOQUIA)
1066	Sep 20 2016	06:28:51.5	7.20	-76.24	Sup	1.2	0.5	242	10	MUTATA (ANTIOQUIA)
1067	Sep 20 2016	07:02:52.6	6.78	-73.13	152	1.3	0.4	237	11	LOS SANTOS (SANTANDER)
1068	Sep 20 2016	07:08:58.8	6.81	-73.18	150	1.2	0.4	242	10	ZAPATOCA (SANTANDER)
1069	Sep 20 2016	07:23:33.4	6.81	-73.16	148	2.1	0.3	134	20	LOS SANTOS (SANTANDER)
1070	Sep 20 2016	07:47:37.6	6.74	-73.12	144	1.9	0.5	165	24	LOS SANTOS (SANTANDER)
1071	Sep 20 2016	07:48:39.9	6.80	-73.14	148	1.9	0.5	65	30	LOS SANTOS (SANTANDER)
1072	Sep 20 2016	07:55:20.9	6.80	-73.13	148	1.9	0.4	120	24	LOS SANTOS (SANTANDER)
1073	Sep 20 2016	08:47:29.7	5.49	-74.72	21	0.8	0.3	233	8	LA DORADA (CALDAS)
1074	Sep 20 2016	09:51:21.1	7.19	-76.28	Sup	1.4	0.4	255	8	MUTATA (ANTIOQUIA)
1075	Sep 20 2016	10:36:34.7	6.74	-73.12	145	1.3	0.2	235	11	LOS SANTOS (SANTANDER)
1076	Sep 20 2016	10:44:55.9	7.32	-73.26	124	1.2	0.1	258	8	RIONEGRO (SANTANDER)
1077	Sep 20 2016	11:29:52.3	7.16	-76.25	Sup	1.2	0.1	248	7	DABEIBA (ANTIOQUIA)
1078	Sep 20 2016	11:32:13.1	6.86	-73.28	121	1.7	0.2	99	16	BETULIA (SANTANDER)
1079	Sep 20 2016	11:40:28.7	6.11	-73.83	32	1.0	0.1	100	10	EL PENON (SANTANDER)
1080	Sep 20 2016	11:46:45.5	6.43	-73.57	113	1.5	0.1	209	8	SANTA HELENA DEL OPO (SANTANDER)
1081	Sep 20 2016	11:47:41.6	6.72	-73.11	145	1.3	0.2	236	10	JORDAN (SANTANDER)
1082	Sep 20 2016	12:01:51.3	6.66	-73.15	156	1.2	0.1	226	8	VILLANUEVA (SANTANDER)
1083	Sep 20 2016	12:16:39.4	9.85	-73.66	11	1.4	0.2	164	8	EL PASO (CESAR)
1084	Sep 20 2016	13:40:11.6	6.74	-73.16	144	1.6	0.1	231	12	LOS SANTOS (SANTANDER)
1085	Sep 20 2016	14:10:32.0	5.10	-74.73	Sup	0.8	0.5	199	8	HONDA (TOLIMA)
1086	Sep 20 2016	14:14:35.8	6.80	-73.09	149	1.7	0.3	143	16	LOS SANTOS (SANTANDER)
1087	Sep 20 2016	15:27: 4.2	6.84	-73.16	157	1.2	0.3	244	8	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1088	Sep 20 2016	15:42:26.6	7.17	-76.22	Sup	1.7	0.3	236	14	DABEIBA (ANTIOQUIA)
1089	Sep 20 2016	16:03: 4.7	5.66	-74.00	115	1.5	0.4	182	12	PAUNA (BOYACA)
1090	Sep 20 2016	17:25:16.2	6.77	-73.14	141	1.7	0.5	138	15	LOS SANTOS (SANTANDER)
1091	Sep 20 2016	18:34:59.7	6.77	-73.13	139	1.5	0.2	138	10	LOS SANTOS (SANTANDER)
1092	Sep 20 2016	19:27:56.3	6.84	-73.13	143	2.9	0.5	70	48	LOS SANTOS (SANTANDER)
1093	Sep 20 2016	20:22:48.5	6.78	-73.19	138	1.5	0.2	240	8	ZAPATOCA (SANTANDER)
1094	Sep 20 2016	20:33:36.4	6.06	-74.17	9	1.7	0.7	88	17	LA BELLEZA (SANTANDER)
1095	Sep 20 2016	21:11:16.4	7.18	-76.27	Sup	1.8	0.3	253	8	MUTATA (ANTIOQUIA)
1096	Sep 20 2016	21:19:58.4	7.16	-76.27	14	1.6	0.3	257	7	DABEIBA (ANTIOQUIA)
1097	Sep 20 2016	21:24:53.2	3.43	-75.64	16	2.0	0.3	215	10	RIOBLANCO (TOLIMA)
1098	Sep 20 2016	23:26: 9.7	6.80	-73.15	147	2.3	0.5	135	16	LOS SANTOS (SANTANDER)
1099	Sep 20 2016	23:35:27.7	7.15	-76.19	Sup	1.9	0.5	221	14	DABEIBA (ANTIOQUIA)
1100	Sep 21 2016	02:47:55.4	6.28	-76.15	Sup	1.7	0.6	170	17	URRAO (ANTIOQUIA)
1101	Sep 21 2016	03:12:10.6	6.49	-76.78	26	1.4	0.3	161	10	VIGIA DEL FUERTE (ANTIOQUIA)
1102	Sep 21 2016	03:24:28.6	6.75	-73.17	147	1.2	0.2	231	8	LOS SANTOS (SANTANDER)
1103	Sep 21 2016	03:41:28.8	6.15	-73.47	126	1.4	0.2	146	8	SAN BENITO (SANTANDER)
1104	Sep 21 2016	03:58:33.2	2.03	-75.90	Sup	2.0	0.3	91	19	ELIAS (HUILA)
1105	Sep 21 2016	04:29:58.2	6.80	-73.15	152	1.2	0.3	237	10	LOS SANTOS (SANTANDER)
1106	Sep 21 2016	04:38: 7.5	3.91	-77.06	Sup	1.6	0.5	109	8	BUENAVENTURA (VALLE)
1107	Sep 21 2016	04:44:10.1	7.74	-76.95	Sup	2.3	0.5	153	38	CHIGORODO (ANTIOQUIA)
1108	Sep 21 2016	05:24:43.6	7.13	-77.19	24	2.2	0.8	158	26	RIOSUCIO (CHOCO)
1109	Sep 21 2016	05:40:16.9	5.83	-74.20	23	1.4	0.2	122	10	OTANCHE (BOYACA)
1110	Sep 21 2016	06:39:47.0	7.26	-76.27	Sup	3.1	0.6	85	64	MUTATA (ANTIOQUIA)
1111	Sep 21 2016	06:44:28.0	7.19	-76.22	Sup	2.8	0.6	143	42	DABEIBA (ANTIOQUIA)
1112	Sep 21 2016	06:46:26.9	7.19	-76.27	Sup	2.2	0.5	145	23	MUTATA (ANTIOQUIA)
1113	Sep 21 2016	06:48:51.1	7.17	-76.21	Sup	1.9	0.4	232	20	DABEIBA (ANTIOQUIA)
1114	Sep 21 2016	06:56:59.2	7.14	-76.20	Sup	2.2	0.4	224	10	DABEIBA (ANTIOQUIA)
1115	Sep 21 2016	06:57:31.7	5.29	-76.31	87	2.1	0.5	213	18	BAGADO (CHOCO)
1116	Sep 21 2016	07:03:14.6	7.16	-76.22	Sup	1.7	0.3	237	14	DABEIBA (ANTIOQUIA)
1117	Sep 21 2016	07:15:26.1	7.16	-76.22	Sup	1.7	0.4	235	17	DABEIBA (ANTIOQUIA)
1118	Sep 21 2016	07:16:31.2	7.17	-76.20	Sup	1.6	0.7	226	12	DABEIBA (ANTIOQUIA)
1119	Sep 21 2016	07:19: 3.0	7.20	-76.23	Sup	2.0	0.5	240	20	DABEIBA (ANTIOQUIA)
1120	Sep 21 2016	07:51:41.5	6.81	-73.14	144	2.2	0.5	183	30	LOS SANTOS (SANTANDER)
1121	Sep 21 2016	08:19:32.9	7.18	-76.26	Sup	2.4	0.5	143	27	DABEIBA (ANTIOQUIA)
1122	Sep 21 2016	08:20: 2.7	7.22	-76.42	14	2.5	0.2	284	5	MUTATA (ANTIOQUIA)
1123	Sep 21 2016	08:33:27.0	7.15	-76.21	Sup	1.7	0.7	231	13	DABEIBA (ANTIOQUIA)
1124	Sep 21 2016	09:26:44.3	2.31	-75.76	Sup	1.6	0.3	115	10	AGRADO (HUILA)
1125	Sep 21 2016	09:56:15.8	5.42	-76.05	53	1.3	0.4	162	14	PUEBLO RICO (RISARALDA)
1126	Sep 21 2016	11:34:48.2	6.80	-73.10	141	1.7	0.3	142	21	LOS SANTOS (SANTANDER)
1127	Sep 21 2016	14:21:48.9	2.21	-75.62	9	1.3	0.3	120	12	GARZON (HUILA)
1128	Sep 21 2016	14:35:53.5	7.17	-76.25	Sup	1.5	0.2	246	8	DABEIBA (ANTIOQUIA)
1129	Sep 21 2016	15:53:21.5	5.28	-73.73	150	1.7	0.1	157	13	LENGUAZAQUE (CUNDINAMARCA)
1130	Sep 21 2016	16:28:20.9	6.80	-73.15	142	1.9	0.4	135	23	LOS SANTOS (SANTANDER)
1131	Sep 21 2016	17:00:10.5	6.78	-73.09	162	1.6	0.4	168	14	LOS SANTOS (SANTANDER)
1132	Sep 21 2016	17:50:41.1	4.13	-75.91	140	1.8	0.2	195	10	SEVILLA (VALLE)
1133	Sep 21 2016	17:59:26.7	6.74	-73.19	151	2.1	0.3	158	15	VILLANUEVA (SANTANDER)
1134	Sep 21 2016	18:06: 7.6	6.73	-73.15	150	1.6	0.4	231	12	LOS SANTOS (SANTANDER)
1135	Sep 21 2016	18:10:42.6	6.77	-73.13	148	1.9	0.4	139	12	LOS SANTOS (SANTANDER)
1136	Sep 21 2016	18:53:41.1	7.36	-73.12	6	1.7	0.4	106	14	RIONEGRO (SANTANDER)
1137	Sep 21 2016	19:41:32.8	6.77	-73.07	144	2.1	0.4	104	25	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1138	Sep 21 2016	19:52:30.3	5.80	-73.11	Sup	1.8	0.7	131	20	PAIPA (BOYACA)
1139	Sep 21 2016	20:29:57.2	7.17	-76.23	Sup	1.8	0.2	241	8	DABEIBA (ANTIOQUIA)
1140	Sep 21 2016	22:41:40.8	6.79	-73.14	145	1.7	0.5	137	12	LOS SANTOS (SANTANDER)
1141	Sep 22 2016	00:17: 1.4	6.80	-73.15	153	1.4	0.2	237	8	LOS SANTOS (SANTANDER)
1142	Sep 22 2016	00:41: 0.9	7.21	-76.30	Sup	1.6	0.2	247	10	MUTATA (ANTIOQUIA)
1143	Sep 22 2016	01:01:57.1	10.74	-72.23	9	2.0	0.2	212	8	FRONTERA CON VENEZUELA
1144	Sep 22 2016	01:04:43.6	7.38	-76.14	Sup	1.3	0.6	256	9	MUTATA (ANTIOQUIA)
1145	Sep 22 2016	01:17:55.0	6.79	-73.09	149	1.3	0.2	143	10	LOS SANTOS (SANTANDER)
1146	Sep 22 2016	02:07:38.9	6.80	-73.14	148	1.5	0.4	137	13	LOS SANTOS (SANTANDER)
1147	Sep 22 2016	02:17:44.0	10.65	-76.26	16	2.9	1.2	252	38	MAR CARIBE
1148	Sep 22 2016	03:36:25.4	2.37	-75.65	Sup	1.5	0.4	120	13	GIGANTE (HUILA)
1149	Sep 22 2016	03:44:43.9	5.78	-73.10	Sup	1.3	0.7	134	18	PAIPA (BOYACA)
1150	Sep 22 2016	03:56:48.2	5.95	-73.76	113	3.8*	0.5	42	88	BOLIVAR (SANTANDER)
1151	Sep 22 2016	04:32:52.7	6.81	-73.10	151	4.2*	0.6	53	106	LOS SANTOS (SANTANDER)
1152	Sep 22 2016	04:47:23.3	6.81	-73.14	149	1.7	0.4	150	13	LOS SANTOS (SANTANDER)
1153	Sep 22 2016	05:03:30.7	2.48	-75.29	26	1.0	0.3	263	8	ALGECIRAS (HUILA)
1154	Sep 22 2016	05:22:52.1	6.84	-73.12	146	2.4	0.5	71	54	LOS SANTOS (SANTANDER)
1155	Sep 22 2016	05:32:13.3	7.16	-76.18	Sup	1.9	0.5	216	24	DABEIBA (ANTIOQUIA)
1156	Sep 22 2016	06:23:13.8	6.80	-73.14	146	1.9	0.5	136	22	LOS SANTOS (SANTANDER)
1157	Sep 22 2016	07:58:59.6	5.61	-73.57	157	1.9	0.2	159	20	SACHICA (BOYACA)
1158	Sep 22 2016	08:14: 2.0	9.17	-77.92	40	2.6	0.6	151	22	FRONTERA CON PANAMA (CARIBE)
1159	Sep 22 2016	08:32: 2.8	6.79	-73.12	145	1.4	0.3	245	8	LOS SANTOS (SANTANDER)
1160	Sep 22 2016	09:03:51.5	5.09	-76.21	96	1.3	0.4	174	10	SAN JOSE DEL PALMAR (CHOCO)
1161	Sep 22 2016	09:38:15.6	4.39	-73.79	Sup	1.5	0.6	166	13	QUETAME (CUNDINAMARCA)
1162	Sep 22 2016	09:53:10.0	6.79	-73.14	138	1.8	0.5	137	16	LOS SANTOS (SANTANDER)
1163	Sep 22 2016	10:11: 1.2	6.80	-73.15	141	1.4	0.3	136	15	LOS SANTOS (SANTANDER)
1164	Sep 22 2016	10:14: 4.9	6.73	-73.21	137	1.5	0.3	128	17	VILLANUEVA (SANTANDER)
1165	Sep 22 2016	10:17:37.5	7.47	-74.04	17	0.8	0.3	185	8	SAN PABLO (BOLIVAR)
1166	Sep 22 2016	10:32:41.0	7.17	-76.22	Sup	0.9	0.1	235	8	DABEIBA (ANTIOQUIA)
1167	Sep 22 2016	10:42:17.6	6.83	-72.97	163	5.0*	2.8	54	126	LOS SANTOS (SANTANDER)
1168	Sep 22 2016	12:37: 1.5	6.75	-73.21	150	1.3	0.1	224	10	VILLANUEVA (SANTANDER)
1169	Sep 22 2016	13:45:45.0	6.60	-73.52	104	2.1	0.4	69	22	EL CARMEN (SANTANDER)
1170	Sep 22 2016	13:58:33.1	7.17	-76.27	Sup	1.8	0.4	244	22	MUTATA (ANTIOQUIA)
1171	Sep 22 2016	14:22:44.0	6.72	-73.09	156	1.7	0.3	146	21	JORDAN (SANTANDER)
1172	Sep 22 2016	14:43:39.0	6.68	-73.21	159	1.3	0.2	213	10	VILLANUEVA (SANTANDER)
1173	Sep 22 2016	14:56:20.8	6.78	-73.12	144	2.1	0.4	140	32	LOS SANTOS (SANTANDER)
1174	Sep 22 2016	15:17:46.9	6.88	-76.64	Sup	2.2	0.5	264	18	MURINDO (ANTIOQUIA)
1175	Sep 22 2016	15:21:51.1	6.79	-73.14	145	2.3	0.4	137	24	LOS SANTOS (SANTANDER)
1176	Sep 22 2016	16:59:11.2	6.79	-73.15	147	2.4	0.4	136	20	LOS SANTOS (SANTANDER)
1177	Sep 22 2016	17:00:45.9	6.83	-73.19	135	1.8	0.4	129	13	ZAPATOCA (SANTANDER)
1178	Sep 22 2016	17:45:45.3	6.82	-73.17	146	1.4	0.1	277	8	ZAPATOCA (SANTANDER)
1179	Sep 22 2016	18:25:33.9	5.95	-73.78	106	1.8	0.4	128	15	BOLIVAR (SANTANDER)
1180	Sep 22 2016	19:16: 6.3	6.71	-73.14	144	1.5	0.3	140	10	VILLANUEVA (SANTANDER)
1181	Sep 22 2016	20:01:55.0	0.87	-77.11	Sup	3.6*	0.6	161	33	ORITO (PUTUMAYO)
1182	Sep 22 2016	20:31:22.3	7.18	-76.22	Sup	1.9	0.4	256	16	DABEIBA (ANTIOQUIA)
1183	Sep 22 2016	22:21: 4.2	7.17	-76.26	Sup	1.6	0.5	277	8	DABEIBA (ANTIOQUIA)

\*Magnitud de Momento (Mw)

\*Magnitud de Momento (Mw)

\*Magnitud de Momento (Mw)

\*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1184	Sep 22 2016	23:40:34.9	6.77	-73.15	147	1.5	0.3	137	15	LOS SANTOS (SANTANDER)
1185	Sep 22 2016	23:49: 1.8	5.23	-76.56	41	1.5	0.3	231	11	TADO (CHOCO)
1186	Sep 22 2016	23:59:21.9	6.81	-73.16	142	2.5	0.3	118	31	LOS SANTOS (SANTANDER)
1187	Sep 23 2016	00:45:18.6	6.78	-73.02	147	1.8	0.4	248	20	CEPITA (SANTANDER)
1188	Sep 23 2016	00:58:50.0	6.79	-73.14	146	2.4	0.4	66	41	LOS SANTOS (SANTANDER)
1189	Sep 23 2016	01:47:57.0	6.83	-73.12	146	1.5	0.3	247	16	LOS SANTOS (SANTANDER)
1190	Sep 23 2016	02:10:56.7	7.50	-77.49	69	1.9	0.1	288	9	RIOSUCIO (CHOCO)
1191	Sep 23 2016	03:13: 9.0	6.97	-72.91	182	1.5	0.3	207	15	SANTA BARBARA (SANTANDER)
1192	Sep 23 2016	03:59:18.7	6.79	-73.12	150	2.5	0.5	67	52	LOS SANTOS (SANTANDER)
1193	Sep 23 2016	04:09:40.4	7.39	-73.17	128	1.5	0.4	186	9	EL PLAYON (SANTANDER)
1194	Sep 23 2016	04:10:44.5	1.00	-77.12	Sup	1.0	0.3	260	11	SANTIAGO (PUTUMAYO)
1195	Sep 23 2016	05:41: 3.5	3.68	-77.01	Sup	0.8	0.2	152	7	BUENAVENTURA (VALLE)
1196	Sep 23 2016	05:53:13.9	3.37	-74.71	8	2.0	0.7	91	37	COLOMBIA (HUILA)
1197	Sep 23 2016	06:44:55.3	5.26	-73.78	146	1.2	0.4	127	11	CUCUNUBA (CUNDINAMARCA)
1198	Sep 23 2016	06:57:23.2	6.82	-73.15	150	2.4	0.5	70	51	LOS SANTOS (SANTANDER)
1199	Sep 23 2016	07:12:52.3	6.76	-73.14	154	1.0	0.2	183	13	LOS SANTOS (SANTANDER)
1200	Sep 23 2016	07:38:34.9	6.83	-73.10	145	1.8	0.4	122	34	LOS SANTOS (SANTANDER)
1201	Sep 23 2016	07:54:53.3	4.92	-76.51	77	1.3	0.4	218	12	NOVITA (CHOCO)
1202	Sep 23 2016	07:54:57.2	6.78	-73.14	143	1.5	0.4	137	15	LOS SANTOS (SANTANDER)
1203	Sep 23 2016	07:56:10.4	6.67	-73.18	146	1.1	0.3	223	9	VILLANUEVA (SANTANDER)
1204	Sep 23 2016	08:19:52.1	6.81	-73.13	147	1.5	0.5	138	22	LOS SANTOS (SANTANDER)
1205	Sep 23 2016	09:14:31.4	7.96	-73.54	99	1.2	0.5	126	14	SAN MARTIN (CESAR)
1206	Sep 23 2016	09:38:45.5	6.88	-73.05	143	1.2	0.2	274	10	PIEDRECUESTA (SANTANDER)
1207	Sep 23 2016	10:10:28.8	6.87	-76.36	11	1.3	0.4	304	8	DABEIBA (ANTIOQUIA)
1208	Sep 23 2016	10:24: 2.2	6.80	-73.12	142	2.0	0.5	120	26	LOS SANTOS (SANTANDER)
1209	Sep 23 2016	11:54:55.8	6.79	-73.16	149	1.9	0.5	234	9	LOS SANTOS (SANTANDER)
1210	Sep 23 2016	12:10: 5.2	5.15	-74.71	18	1.2	0.5	223	8	HONDA (TOLIMA)
1211	Sep 23 2016	13:26:37.3	7.19	-76.18	Sup	2.2	0.5	223	24	DABEIBA (ANTIOQUIA)
1212	Sep 23 2016	13:50:36.4	6.79	-73.15	134	1.7	0.5	150	12	LOS SANTOS (SANTANDER)
1213	Sep 23 2016	13:57:43.6	6.71	-73.14	139	1.9	0.5	163	8	VILLANUEVA (SANTANDER)
1214	Sep 23 2016	14:17:57.0	6.82	-73.13	146	3.0	0.5	71	50	LOS SANTOS (SANTANDER)
1215	Sep 23 2016	15:19:40.3	5.79	-73.12	Sup	2.2	0.8	124	31	PAIPA (BOYACA)
1216	Sep 23 2016	15:32:39.7	5.00	-72.69	Sup	1.8	0.6	162	16	TAURAMENA (CASANARE)
1217	Sep 23 2016	16:47:48.8	5.26	-73.76	146	2.3	0.4	129	24	CUCUNUBA (CUNDINAMARCA)
1218	Sep 23 2016	16:52:28.6	6.38	-73.58	104	1.7	0.4	217	8	SANTA HELENA DEL OPO (SANTANDER)
1219	Sep 23 2016	16:53:43.5	6.76	-73.16	149	1.7	0.4	146	10	LOS SANTOS (SANTANDER)
1220	Sep 23 2016	17:17:56.1	6.80	-73.15	135	1.9	0.5	147	14	LOS SANTOS (SANTANDER)
1221	Sep 23 2016	18:33:18.3	5.20	-76.49	72	1.5	0.1	276	10	TADO (CHOCO)
1222	Sep 23 2016	19:39: 8.1	6.78	-73.12	148	2.2	0.4	139	25	LOS SANTOS (SANTANDER)
1223	Sep 23 2016	21:23:43.6	5.88	-73.63	128	1.4	0.2	152	8	PUENTE NACIONAL (SANTANDER)
1224	Sep 23 2016	23:04: 3.6	6.76	-73.12	141	2.2	0.5	122	26	LOS SANTOS (SANTANDER)
1225	Sep 24 2016	00:00:58.0	6.79	-76.87	18	2.9	0.4	122	61	VIGIA DEL FUERTE (ANTIOQUIA)
1226	Sep 24 2016	00:16:40.8	11.08	-73.72	Sup	1.8	0.5	151	10	PUEBLO BELLO (CESAR)
1227	Sep 24 2016	00:29:42.6	1.93	-75.97	6	2.6	0.4	106	31	TIMANA (HUILA)
1228	Sep 24 2016	01:48:33.5	11.06	-74.00	9	1.3	0.3	142	8	PUEBLO BELLO (CESAR)
1229	Sep 24 2016	02:11:10.9	6.77	-73.11	139	1.6	0.3	142	18	LOS SANTOS (SANTANDER)
1230	Sep 24 2016	03:05: 0.1	6.77	-73.14	148	2.4	0.4	66	47	LOS SANTOS (SANTANDER)
1231	Sep 24 2016	03:17:12.0	7.18	-76.87	18	1.4	0.3	280	12	MURINDO (ANTIOQUIA)
1232	Sep 24 2016	03:32:57.6	6.81	-73.15	143	1.6	0.4	182	22	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1233	Sep 24 2016	04:00: 0.2	2.06	-75.87	Sup	1.2	0.4	113	13	TARQUI (HUILA)
1234	Sep 24 2016	04:13:41.5	6.80	-73.10	140	2.4	0.5	68	38	LOS SANTOS (SANTANDER)
1235	Sep 24 2016	04:18:24.2	6.74	-73.20	146	1.2	0.4	226	12	VILLANUEVA (SANTANDER)
1236	Sep 24 2016	04:25:19.1	7.21	-76.19	Sup	0.9	0.2	255	8	DABEIBA (ANTIOQUIA)
1237	Sep 24 2016	04:42:52.6	6.79	-73.15	146	1.6	0.3	236	14	LOS SANTOS (SANTANDER)
1238	Sep 24 2016	04:48:12.5	6.76	-73.14	147	1.6	0.2	235	13	LOS SANTOS (SANTANDER)
1239	Sep 24 2016	04:48:18.2	10.70	-74.03	Sup	1.9	0.4	104	13	ALGARROBO (MAGDALENA)
1240	Sep 24 2016	05:23:41.7	6.85	-73.32	123	1.6	0.6	152	14	BETULIA (SANTANDER)
1241	Sep 24 2016	05:37: 8.1	6.80	-73.14	143	2.8	0.5	71	42	LOS SANTOS (SANTANDER)
1242	Sep 24 2016	05:40:58.2	6.51	-73.47	116	2.1	0.4	88	18	SIMACOTA (SANTANDER)
1243	Sep 24 2016	06:57:16.5	6.76	-73.17	142	1.5	0.4	231	12	LOS SANTOS (SANTANDER)
1244	Sep 24 2016	08:25:47.3	5.66	-76.87	Sup	1.8	0.5	174	14	ALTO BAUDO (CHOCO)
1245	Sep 24 2016	09:04:42.3	7.16	-76.07	Sup	1.7	0.3	211	14	PEQUE (ANTIOQUIA)
1246	Sep 24 2016	09:22: 2.1	10.98	-72.88	84	2.1	0.3	147	7	MANAURE BALCON CESAR (CESAR)
1247	Sep 24 2016	09:25:53.1	6.82	-73.15	144	2.5	0.4	135	31	LOS SANTOS (SANTANDER)
1248	Sep 24 2016	09:41:58.4	5.66	-76.82	Sup	2.0	0.4	169	16	QUIBDO (CHOCO)
1249	Sep 24 2016	09:53:40.8	8.26	-75.61	Sup	2.0	0.4	142	21	BUENAVISTA (CORDOBA)
1250	Sep 24 2016	10:58:20.3	3.95	-76.52	80	1.7	0.3	106	8	CALIMA (VALLE)
1251	Sep 24 2016	11:44:55.0	5.27	-73.70	150	3.4	0.5	65	62	LENGUAZAUQUE (CUNDINAMARCA)
1252	Sep 24 2016	11:51: 0.7	6.82	-73.14	145	1.7	0.4	240	11	LOS SANTOS (SANTANDER)
1253	Sep 24 2016	15:54:11.4	6.74	-73.17	144	1.9	0.5	230	14	VILLANUEVA (SANTANDER)
1254	Sep 24 2016	15:59:45.2	6.74	-73.14	148	1.8	0.4	233	12	LOS SANTOS (SANTANDER)
1255	Sep 24 2016	17:31:22.5	6.78	-73.16	144	2.4	0.4	71	27	LOS SANTOS (SANTANDER)
1256	Sep 24 2016	18:19: 9.9	6.76	-73.08	145	1.4	0.2	241	10	LOS SANTOS (SANTANDER)
1257	Sep 24 2016	18:30:30.6	5.92	-73.63	121	1.5	0.3	91	16	BARBOSA (SANTANDER)
1258	Sep 24 2016	19:14: 3.1	4.71	-76.02	61	1.0	0.3	102	12	ANSERMANUEVO (VALLE)
1259	Sep 24 2016	19:14:39.7	7.48	-75.28	27	2.6	0.4	113	38	CACERES (ANTIOQUIA)
1260	Sep 24 2016	19:25:58.6	6.82	-73.06	147	1.8	0.2	146	17	LOS SANTOS (SANTANDER)
1261	Sep 24 2016	19:30:30.1	7.44	-75.27	29	1.6	0.3	129	20	CACERES (ANTIOQUIA)
1262	Sep 24 2016	21:26:39.6	6.83	-73.30	122	1.8	0.2	106	14	ZAPATOCA (SANTANDER)
1263	Sep 24 2016	22:37:50.8	6.81	-73.17	145	2.6	0.4	63	36	LOS SANTOS (SANTANDER)
1264	Sep 24 2016	22:39: 5.3	7.17	-76.21	Sup	2.2	0.4	233	10	DABEIBA (ANTIOQUIA)
1265	Sep 24 2016	23:42:10.0	6.77	-73.16	151	1.2	0.4	136	8	LOS SANTOS (SANTANDER)
1266	Sep 25 2016	00:07:53.9	6.79	-73.14	151	2.4	0.5	66	36	LOS SANTOS (SANTANDER)
1267	Sep 25 2016	00:16:18.0	6.81	-73.08	149	2.1	0.5	124	24	LOS SANTOS (SANTANDER)
1268	Sep 25 2016	00:18:57.9	4.79	-76.33	101	1.7	0.1	197	11	EL CAIRO (VALLE)
1269	Sep 25 2016	00:47:59.8	6.74	-73.14	135	1.7	0.4	140	14	LOS SANTOS (SANTANDER)
1270	Sep 25 2016	01:33:12.6	6.76	-73.13	146	1.6	0.5	236	10	LOS SANTOS (SANTANDER)
1271	Sep 25 2016	02:00:23.2	4.79	-76.31	98	1.5	0.3	194	10	EL CAIRO (VALLE)
1272	Sep 25 2016	02:21:43.2	5.45	-73.78	128	1.7	0.5	119	15	SUSA (CUNDINAMARCA)
1273	Sep 25 2016	02:25:17.2	6.77	-73.45	119	1.5	0.4	161	10	EL CARMEN (SANTANDER)
1274	Sep 25 2016	03:12:49.7	7.69	-74.52	30	2.1	0.4	82	24	EL BAGRE (ANTIOQUIA)
1275	Sep 25 2016	04:09: 8.8	7.17	-76.24	Sup	1.6	0.5	241	14	DABEIBA (ANTIOQUIA)
1276	Sep 25 2016	04:38:30.7	6.82	-73.13	146	1.6	0.4	185	13	LOS SANTOS (SANTANDER)
1277	Sep 25 2016	05:31:15.8	7.18	-76.18	Sup	2.1	0.7	222	20	DABEIBA (ANTIOQUIA)
1278	Sep 25 2016	05:52: 1.1	3.45	-75.19	Sup	1.8	0.3	140	18	NATAGAIMA (TOLIMA)
1279	Sep 25 2016	07:15:37.9	4.47	-78.65	11	2.2	0.7	287	26	O. PACIFICO CENTRO
1280	Sep 25 2016	07:16:11.1	6.84	-73.31	121	1.3	0.4	152	10	ZAPATOCA (SANTANDER)
1281	Sep 25 2016	07:40: 2.2	6.77	-73.12	150	1.5	0.6	206	9	LOS SANTOS (SANTANDER)
1282	Sep 25 2016	07:42:53.8	6.78	-73.13	143	1.9	0.5	139	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1283	Sep 25 2016	10:25:44.6	6.79	-73.14	145	2.2	0.5	66	35	LOS SANTOS (SANTANDER)
1284	Sep 25 2016	11:17:13.6	5.20	-73.73	146	1.5	0.2	108	11	CUCUNUBA (CUNDINAMARCA)
1285	Sep 25 2016	11:51:49.3	6.77	-73.10	146	1.3	0.3	240	12	LOS SANTOS (SANTANDER)
1286	Sep 25 2016	12:02:21.5	2.00	-76.74	Sup	1.0	0.3	96	12	LA VEGA (CAUCA)
1287	Sep 25 2016	12:10: 7.9	6.71	-73.48	112	1.7	0.4	141	16	EL CARMEN (SANTANDER)
1288	Sep 25 2016	12:40:13.9	6.75	-73.17	153	1.1	0.1	231	6	LOS SANTOS (SANTANDER)
1289	Sep 25 2016	12:54:29.4	6.79	-73.12	144	1.7	0.2	139	12	LOS SANTOS (SANTANDER)
1290	Sep 25 2016	13:19:18.1	6.81	-73.13	153	2.3	0.4	120	29	LOS SANTOS (SANTANDER)
1291	Sep 25 2016	13:55:57.2	4.86	-76.24	105	1.6	0.3	130	15	EL CAIRO (VALLE)
1292	Sep 25 2016	16:31:51.0	6.80	-73.15	147	2.5	0.4	71	36	LOS SANTOS (SANTANDER)
1293	Sep 25 2016	17:25:58.4	5.61	-74.03	115	1.6	0.3	104	20	SAN PABLO DE BORBUR (BOYACA)
1294	Sep 25 2016	18:01:34.2	6.84	-73.12	142	2.6	0.5	71	44	LOS SANTOS (SANTANDER)
1295	Sep 25 2016	18:58:45.9	6.78	-73.14	147	1.8	0.3	137	21	LOS SANTOS (SANTANDER)
1296	Sep 25 2016	19:32:42.2	6.71	-73.19	148	1.3	0.3	225	11	VILLANUEVA (SANTANDER)
1297	Sep 25 2016	19:50:43.3	1.86	-76.05	Sup	2.3	0.5	119	26	PITALITO (HUILA)
1298	Sep 25 2016	20:57:10.5	3.00	-76.83	96	1.6	0.3	117	16	SUAREZ (CAUCA)
1299	Sep 25 2016	21:09:45.3	5.87	-73.74	114	1.2	0.3	147	10	JESUS MARIA (SANTANDER)
1300	Sep 25 2016	21:54:36.6	6.84	-73.11	148	1.4	0.4	248	9	LOS SANTOS (SANTANDER)
1301	Sep 25 2016	22:32:22.0	10.69	-74.03	Sup	1.5	0.4	120	8	ALGARROBO (MAGDALENA)
1302	Sep 25 2016	23:00:41.6	6.59	-73.56	110	1.3	0.4	142	10	EL CARMEN (SANTANDER)
1303	Sep 25 2016	23:03:57.6	9.54	-73.94	87	1.9	0.4	82	16	ASTREA (CESAR)
1304	Sep 25 2016	23:05:31.6	6.71	-73.25	150	1.1	0.4	196	7	GALAN (SANTANDER)
1305	Sep 25 2016	23:27: 4.2	7.38	-73.08	158	1.6	0.3	136	11	MATANZA (SANTANDER)
1306	Sep 25 2016	23:39:43.5	6.86	-73.28	123	2.5	0.5	55	44	BETULIA (SANTANDER)
1307	Sep 26 2016	00:05: 4.2	6.80	-73.17	150	1.7	0.4	133	13	LOS SANTOS (SANTANDER)
1308	Sep 26 2016	00:21:35.3	6.81	-73.12	150	1.8	0.3	185	14	LOS SANTOS (SANTANDER)
1309	Sep 26 2016	00:45: 9.1	6.81	-73.15	142	2.5	0.5	70	38	LOS SANTOS (SANTANDER)
1310	Sep 26 2016	01:07:44.0	7.82	-73.31	112	1.7	0.6	130	11	SAN ALBERTO (CESAR)
1311	Sep 26 2016	01:39:18.2	6.26	-72.70	Sup	1.9	0.5	133	18	SUSACON (BOYACA)
1312	Sep 26 2016	02:06: 9.5	9.89	-73.33	114	2.0	0.5	144	19	AGUSTIN CODAZZI (CESAR)
1313	Sep 26 2016	02:12:24.3	5.32	-73.68	144	1.7	0.6	126	18	LENGUAZAQUE (CUNDINAMARCA)
1314	Sep 26 2016	03:01:33.6	6.80	-73.14	148	1.8	0.4	137	18	LOS SANTOS (SANTANDER)
1315	Sep 26 2016	03:20:50.2	4.53	-74.92	Sup	1.1	0.6	252	9	PIEDRAS (TOLIMA)
1316	Sep 26 2016	03:42:27.0	6.76	-73.17	146	1.3	0.2	231	9	LOS SANTOS (SANTANDER)
1317	Sep 26 2016	04:57: 4.8	5.26	-73.72	148	2.3	0.4	65	42	CUCUNUBA (CUNDINAMARCA)
1318	Sep 26 2016	05:01:11.7	6.75	-73.15	146	1.5	0.4	138	13	LOS SANTOS (SANTANDER)
1319	Sep 26 2016	05:02:38.7	6.79	-73.15	149	2.2	0.4	119	27	LOS SANTOS (SANTANDER)
1320	Sep 26 2016	05:09: 9.3	5.84	-73.62	127	1.4	0.4	161	13	MONQUIRA (BOYACA)
1321	Sep 26 2016	05:24:53.8	6.80	-73.14	146	2.2	0.4	65	37	LOS SANTOS (SANTANDER)
1322	Sep 26 2016	07:27:29.8	6.79	-73.14	150	1.7	0.4	137	18	LOS SANTOS (SANTANDER)
1323	Sep 26 2016	07:35:22.9	6.79	-73.12	144	1.9	0.5	139	18	LOS SANTOS (SANTANDER)
1324	Sep 26 2016	07:35:55.6	6.77	-73.14	140	1.7	0.5	138	10	LOS SANTOS (SANTANDER)
1325	Sep 26 2016	07:54:33.5	6.12	-73.75	108	1.0	0.4	105	11	EL PENON (SANTANDER)
1326	Sep 26 2016	08:27:32.3	6.80	-73.12	148	2.2	0.5	120	29	LOS SANTOS (SANTANDER)
1327	Sep 26 2016	08:29:14.8	2.79	-76.89	104	1.5	0.4	108	11	SUAREZ (CAUCA)
1328	Sep 26 2016	08:36: 1.1	6.81	-73.13	147	2.0	0.8	137	20	LOS SANTOS (SANTANDER)
1329	Sep 26 2016	08:42:15.4	6.77	-73.18	153	1.3	0.3	231	9	LOS SANTOS (SANTANDER)
1330	Sep 26 2016	08:56:22.5	6.80	-73.12	147	1.3	0.3	240	11	LOS SANTOS (SANTANDER)
1331	Sep 26 2016	08:59:28.8	6.77	-73.13	142	2.1	0.6	121	30	LOS SANTOS (SANTANDER)
1332	Sep 26 2016	09:06:44.1	6.76	-73.17	147	1.3	0.3	134	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1333	Sep 26 2016	09:15:42.3	6.83	-73.13	144	1.7	0.4	184	13	LOS SANTOS (SANTANDER)
1334	Sep 26 2016	09:31:10.3	3.12	-75.30	Sup	2.7	0.5	120	46	AIPE (HUILA)
1335	Sep 26 2016	09:42:29.9	7.18	-76.24	Sup	1.8	0.5	241	9	DABEIBA (ANTIOQUIA)
1336	Sep 26 2016	09:53:35.4	-0.02	-77.42	32	2.1	0.4	271	14	FRONTERA CON ECUADOR
1337	Sep 26 2016	09:59:36.7	5.77	-73.04	Sup	0.5	0.3	308	8	TIBASOSA (BOYACA)
1338	Sep 26 2016	10:01:53.1	5.79	-73.11	Sup	1.1	0.4	133	16	PAIPA (BOYACA)
1339	Sep 26 2016	10:26:39.7	2.39	-75.49	Sup	1.3	0.4	225	8	GIGANTE (HUILA)
1340	Sep 26 2016	10:34:12.9	7.06	-76.40	42	1.4	0.3	307	8	DABEIBA (ANTIOQUIA)
1341	Sep 26 2016	10:43:52.6	4.80	-76.24	104	1.3	0.2	151	10	EL CAIRO (VALLE)
1342	Sep 26 2016	11:46:27.4	7.19	-76.26	Sup	1.5	0.4	243	10	MUTATA (ANTIOQUIA)
1343	Sep 26 2016	12:18: 7.6	6.82	-73.14	146	2.3	0.4	70	39	LOS SANTOS (SANTANDER)
1344	Sep 26 2016	12:36:33.7	4.37	-76.23	118	1.9	0.3	103	16	BOLIVAR (VALLE)
1345	Sep 26 2016	12:49:42.8	7.10	-76.10	36	1.1	0.1	285	8	DABEIBA (ANTIOQUIA)
1346	Sep 26 2016	13:33:41.9	6.88	-73.06	147	2.1	0.4	143	28	PIEDRECUESTA (SANTANDER)
1347	Sep 26 2016	14:13:18.1	6.40	-73.64	100	2.3	0.5	65	36	SANTA HELENA DEL OPOON (SANTANDER)
1348	Sep 26 2016	14:18:15.9	6.81	-73.14	143	2.2	0.4	137	34	LOS SANTOS (SANTANDER)
1349	Sep 26 2016	15:09:59.1	2.37	-75.63	Sup	2.7	0.3	66	39	GIGANTE (HUILA)
1350	Sep 26 2016	15:28:16.0	6.80	-73.14	142	2.5	0.5	136	38	LOS SANTOS (SANTANDER)
1351	Sep 26 2016	15:54:49.2	7.30	-75.49	6	1.7	0.3	107	11	VALDIVIA (ANTIOQUIA)
1352	Sep 26 2016	16:04:47.0	6.78	-73.10	148	2.5	0.3	143	34	LOS SANTOS (SANTANDER)
1353	Sep 26 2016	17:08: 9.5	7.10	-73.24	149	1.3	0.4	249	9	LEBRIJA (SANTANDER)
1354	Sep 26 2016	17:30: 9.9	7.19	-76.28	9	1.3	0.2	257	8	MUTATA (ANTIOQUIA)
1355	Sep 26 2016	18:36: 4.2	5.86	-77.46	Sup	2.7	0.3	220	21	O. PACIFICO NORTE
1356	Sep 26 2016	19:25:21.6	2.41	-75.38	21	1.4	0.3	251	7	ALGECIRAS (HUILA)
1357	Sep 26 2016	19:55: 8.3	6.79	-73.17	126	1.6	0.3	133	11	LOS SANTOS (SANTANDER)
1358	Sep 26 2016	19:58:11.4	6.76	-73.17	142	2.1	0.3	135	18	LOS SANTOS (SANTANDER)
1359	Sep 26 2016	22:07:27.4	7.18	-76.24	Sup	2.3	0.4	242	30	DABEIBA (ANTIOQUIA)
1360	Sep 26 2016	22:23:44.2	5.65	-76.83	12	1.8	0.4	151	12	QUIBDO (CHOCO)
1361	Sep 26 2016	23:01:20.5	6.80	-73.11	147	2.3	0.4	73	34	LOS SANTOS (SANTANDER)
1362	Sep 26 2016	23:23:22.2	3.61	-71.54	Sup	2.1	0.1	300	8	PUERTO GAITAN (META)
1363	Sep 27 2016	00:18:40.6	6.90	-73.09	153	1.3	0.2	214	17	PIEDRECUESTA (SANTANDER)
1364	Sep 27 2016	00:24:31.5	8.45	-73.45	99	1.3	0.2	199	8	EL CARMEN (N.SANTANDER)
1365	Sep 27 2016	01:11:49.4	7.43	-76.51	Sup	1.6	0.3	270	14	MUTATA (ANTIOQUIA)
1366	Sep 27 2016	01:12:42.2	2.85	-76.64	Sup	0.6	0.2	159	10	MORALES (CAUCA)
1367	Sep 27 2016	02:58:50.5	6.79	-73.14	144	2.0	0.4	72	34	LOS SANTOS (SANTANDER)
1368	Sep 27 2016	03:01:15.6	6.83	-73.13	140	1.2	0.1	241	10	LOS SANTOS (SANTANDER)
1369	Sep 27 2016	03:20:19.9	6.72	-73.19	146	1.3	0.2	225	9	VILLANUEVA (SANTANDER)
1370	Sep 27 2016	03:22:12.6	6.75	-73.07	142	2.1	0.5	169	32	LOS SANTOS (SANTANDER)
1371	Sep 27 2016	04:01: 4.9	6.86	-73.52	81	0.7	0.5	194	8	SAN VICENTE DE CHUCURI (SANTANDER)
1372	Sep 27 2016	04:03:59.4	6.80	-73.15	160	1.3	0.1	280	8	LOS SANTOS (SANTANDER)
1373	Sep 27 2016	04:07:28.7	8.60	-73.35	104	1.9	0.7	163	27	EL CARMEN (N.SANTANDER)
1374	Sep 27 2016	05:09:42.9	6.71	-73.37	146	1.4	0.3	163	13	GALAN (SANTANDER)
1375	Sep 27 2016	05:12:34.7	7.18	-76.21	Sup	1.0	0.4	233	10	DABEIBA (ANTIOQUIA)
1376	Sep 27 2016	07:11:31.0	5.91	-77.68	20	2.4	0.6	209	28	O. PACIFICO NORTE
1377	Sep 27 2016	07:17:25.6	6.80	-73.11	154	1.5	0.2	206	10	LOS SANTOS (SANTANDER)
1378	Sep 27 2016	08:30: 9.0	7.40	-73.18	130	1.2	0.1	267	8	EL PLAYON (SANTANDER)
1379	Sep 27 2016	08:35:19.2	6.77	-73.11	144	1.5	0.1	239	12	LOS SANTOS (SANTANDER)
1380	Sep 27 2016	09:15:21.5	7.17	-76.24	Sup	1.5	0.5	241	12	DABEIBA (ANTIOQUIA)
1381	Sep 27 2016	10:12:11.1	6.79	-73.13	143	1.9	0.5	138	20	LOS SANTOS (SANTANDER)
1382	Sep 27 2016	10:23:58.9	6.81	-73.14	150	2.6	0.5	119	38	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1383	Sep 27 2016	10:38:41.0	10.43	-72.84	Sup	2.6	0.7	158	14	FRONTERA CON VENEZUELA
1384	Sep 27 2016	10:56:54.5	6.79	-73.14	145	2.3	0.4	71	22	LOS SANTOS (SANTANDER)
1385	Sep 27 2016	12:38:10.8	6.81	-73.06	147	1.5	0.1	246	5	LOS SANTOS (SANTANDER)
1386	Sep 27 2016	13:36:18.4	6.50	-73.58	100	1.6	0.5	89	13	SANTA HELENA DEL OPO (SANTANDER)
1387	Sep 27 2016	13:40: 1.0	6.77	-73.12	161	1.8	0.3	238	9	LOS SANTOS (SANTANDER)
1388	Sep 27 2016	14:48:19.7	6.81	-73.15	145	3.1	0.5	74	48	LOS SANTOS (SANTANDER)
1389	Sep 27 2016	14:59:55.5	3.39	-74.51	Sup	2.2	0.6	103	29	URIBE (META)
1390	Sep 27 2016	15:01:55.4	6.80	-73.15	150	2.0	0.3	135	15	LOS SANTOS (SANTANDER)
1391	Sep 27 2016	15:07:24.1	6.54	-73.53	109	2.0	0.6	64	23	EL CARMEN (SANTANDER)
1392	Sep 27 2016	15:14:26.9	2.65	-75.10	13	1.6	0.5	190	9	RIVERA (HUILA)
1393	Sep 27 2016	15:35:53.0	6.79	-73.13	150	3.6	0.5	66	66	LOS SANTOS (SANTANDER)
1394	Sep 27 2016	16:20: 1.2	6.79	-73.15	146	2.8	0.4	101	35	LOS SANTOS (SANTANDER)
1395	Sep 27 2016	17:01: 3.2	6.78	-73.13	142	1.9	0.3	138	16	LOS SANTOS (SANTANDER)
1396	Sep 27 2016	17:21:52.5	6.66	-73.23	143	1.5	0.6	189	9	BARICHARA (SANTANDER)
1397	Sep 27 2016	17:24:41.6	6.79	-73.17	146	1.7	0.3	233	11	LOS SANTOS (SANTANDER)
1398	Sep 27 2016	17:42:36.2	1.62	-79.15	7	2.7	0.4	260	17	O. PACIFICO SUR
1399	Sep 27 2016	17:51:25.8	5.77	-75.47	Sup	2.1	0.4	74	25	ABEJORRAL (ANTIOQUIA)
1400	Sep 27 2016	19:45:16.2	6.77	-73.15	138	1.5	0.5	136	10	LOS SANTOS (SANTANDER)
1401	Sep 27 2016	19:48:47.9	6.79	-73.12	149	2.1	0.4	139	19	LOS SANTOS (SANTANDER)
1402	Sep 27 2016	20:24:37.1	6.78	-73.17	150	1.8	0.3	134	12	LOS SANTOS (SANTANDER)
1403	Sep 27 2016	21:21: 4.7	6.66	-73.31	138	1.9	0.4	84	18	GALAN (SANTANDER)
1404	Sep 27 2016	22:55:15.4	6.79	-73.15	155	1.5	0.4	136	14	LOS SANTOS (SANTANDER)
1405	Sep 28 2016	00:02:23.5	7.14	-76.18	Sup	2.2	0.6	216	26	DABEIBA (ANTIOQUIA)
1406	Sep 28 2016	00:06: 2.8	6.76	-73.15	143	1.9	0.4	137	15	LOS SANTOS (SANTANDER)
1407	Sep 28 2016	00:09:30.8	6.82	-73.13	145	1.9	0.4	241	20	LOS SANTOS (SANTANDER)
1408	Sep 28 2016	00:59:55.6	7.21	-73.86	20	1.3	0.5	201	10	PUERTO WILCHES (SANTANDER)
1409	Sep 28 2016	02:29: 8.2	7.24	-73.24	10	1.2	0.3	255	7	RIONEGRO (SANTANDER)
1410	Sep 28 2016	02:55:14.7	6.76	-73.15	152	1.4	0.3	234	9	LOS SANTOS (SANTANDER)
1411	Sep 28 2016	03:21:47.7	6.79	-73.16	151	1.5	0.5	207	14	LOS SANTOS (SANTANDER)
1412	Sep 28 2016	03:30: 9.9	5.82	-75.84	22	1.4	0.7	119	14	PUEBLORRICO (ANTIOQUIA)
1413	Sep 28 2016	03:32:46.1	5.64	-74.32	86	0.9	0.2	112	9	OTANCHE (BOYACA)
1414	Sep 28 2016	04:08:52.9	6.72	-73.20	151	1.1	0.4	224	7	VILLANUEVA (SANTANDER)
1415	Sep 28 2016	04:14:53.7	6.77	-73.17	148	1.2	0.4	233	8	LOS SANTOS (SANTANDER)
1416	Sep 28 2016	04:27: 2.9	6.01	-76.14	54	1.5	0.4	247	11	EL CARMEN (CHOCO)
1417	Sep 28 2016	04:32:38.5	6.33	-73.57	116	1.5	0.4	75	16	SANTA HELENA DEL OPO (SANTANDER)
1418	Sep 28 2016	04:56:59.8	6.82	-73.12	148	2.6	0.5	53	54	LOS SANTOS (SANTANDER)
1419	Sep 28 2016	05:13:21.4	2.24	-75.60	19	1.6	0.4	124	15	GARZON (HUILA)
1420	Sep 28 2016	05:21:49.1	3.87	-73.54	52	1.4	0.5	204	13	CASTILLA LA NUEVA (META)
1421	Sep 28 2016	05:43:33.0	10.27	-72.59	Sup	1.5	0.4	177	8	FRONTERA CON VENEZUELA
1422	Sep 28 2016	06:11:27.5	7.20	-76.25	Sup	1.1	0.5	243	11	MUTATA (ANTIOQUIA)
1423	Sep 28 2016	06:40:36.4	7.21	-76.29	Sup	1.0	0.4	246	10	MUTATA (ANTIOQUIA)
1424	Sep 28 2016	07:08:18.0	6.83	-73.14	154	1.4	0.4	241	12	LOS SANTOS (SANTANDER)
1425	Sep 28 2016	08:10:18.2	6.82	-73.15	149	2.4	0.4	53	42	LOS SANTOS (SANTANDER)
1426	Sep 28 2016	08:36:49.6	6.80	-73.16	150	2.0	0.4	70	31	LOS SANTOS (SANTANDER)
1427	Sep 28 2016	08:44:48.9	4.71	-76.19	90	1.9	0.5	142	27	EL CAIRO (VALLE)
1428	Sep 28 2016	08:54:21.0	6.95	-73.12	146	1.4	0.5	187	8	PIEDECUESTA (SANTANDER)
1429	Sep 28 2016	09:22:50.6	6.79	-73.08	139	1.5	0.2	189	21	LOS SANTOS (SANTANDER)
1430	Sep 28 2016	09:24:42.8	7.67	-73.27	121	1.4	0.2	179	9	LA ESPERANZA (N.SANTANDER)
1431	Sep 28 2016	09:50:56.0	6.82	-73.13	145	1.6	0.3	185	24	LOS SANTOS (SANTANDER)
1432	Sep 28 2016	10:04: 7.6	6.79	-74.67	53	1.1	0.3	154	12	VEGACHI (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1433	Sep 28 2016	10:43:13.9	6.90	-72.99	134	1.3	0.2	221	11	PIEDRECUESTA (SANTANDER)
1434	Sep 28 2016	10:46: 2.4	6.52	-76.76	11	1.7	0.4	234	25	VIGIA DEL FUERTE (ANTIOQUIA)
1435	Sep 28 2016	11:43:52.0	6.73	-73.14	144	1.4	0.3	232	10	LOS SANTOS (SANTANDER)
1436	Sep 28 2016	11:50:27.1	6.60	-73.15	145	1.4	0.2	222	10	SAN GIL (SANTANDER)
1437	Sep 28 2016	12:10:46.7	6.76	-73.15	148	1.1	0.1	234	10	LOS SANTOS (SANTANDER)
1438	Sep 28 2016	12:25: 1.8	7.13	-76.39	Sup	1.4	0.3	251	10	MUTATA (ANTIOQUIA)
1439	Sep 28 2016	12:27:19.8	4.89	-76.45	72	1.9	0.5	160	25	NOVITA (CHOCO)
1440	Sep 28 2016	13:04:47.7	6.77	-73.15	140	1.5	0.3	234	15	LOS SANTOS (SANTANDER)
1441	Sep 28 2016	13:18:38.4	6.78	-73.09	149	2.1	0.3	123	26	LOS SANTOS (SANTANDER)
1442	Sep 28 2016	15:00:44.1	6.81	-73.07	147	2.3	0.5	104	38	LOS SANTOS (SANTANDER)
1443	Sep 28 2016	15:11:30.9	2.41	-75.51	25	1.8	0.3	220	8	GIGANTE (HUILA)
1444	Sep 28 2016	16:02:44.9	4.23	-75.74	18	1.2	0.2	195	10	GENOVA (QUINDIO)
1445	Sep 28 2016	16:31:12.5	6.80	-73.12	157	1.4	0.3	246	9	LOS SANTOS (SANTANDER)
1446	Sep 28 2016	16:36:32.7	6.81	-73.15	141	1.6	0.2	135	16	LOS SANTOS (SANTANDER)
1447	Sep 28 2016	17:02:39.1	6.80	-73.09	137	1.5	0.4	143	16	LOS SANTOS (SANTANDER)
1448	Sep 28 2016	18:01: 1.3	3.26	-76.44	18	1.3	0.4	155	12	PUERTO TEJADA (CAUCA)
1449	Sep 28 2016	19:11: 0.3	6.82	-73.07	152	2.1	0.4	144	27	LOS SANTOS (SANTANDER)
1450	Sep 28 2016	19:12:31.4	6.80	-73.14	151	1.9	0.5	137	22	LOS SANTOS (SANTANDER)
1451	Sep 28 2016	19:21:12.6	1.47	-78.69	40	2.5	0.1	237	15	TUMACO (NARINO)
1452	Sep 28 2016	19:55:55.3	6.80	-73.13	147	2.9	0.3	138	48	LOS SANTOS (SANTANDER)
1453	Sep 28 2016	20:12:37.0	6.84	-76.29	Sup	1.6	0.4	222	14	URAMITA (ANTIOQUIA)
1454	Sep 28 2016	20:13:20.9	6.70	-73.51	109	2.3	0.4	47	24	EL CARMEN (SANTANDER)
1455	Sep 28 2016	21:59:17.8	5.78	-75.21	Sup	1.0	0.2	161	8	ARGELIA (ANTIOQUIA)
1456	Sep 28 2016	22:43:54.5	6.39	-73.52	117	1.8	0.4	78	22	SANTA HELENA DEL OPON (SANTANDER)
1457	Sep 28 2016	23:02:46.3	7.03	-77.42	Sup	2.3	0.3	165	9	JURADO (CHOCO)
1458	Sep 29 2016	00:11:50.1	11.12	-73.63	17	2.7	0.5	156	24	PUEBLO BELLO (CESAR)
1459	Sep 29 2016	00:43:33.3	6.91	-73.14	151	1.9	0.4	130	20	PIEDRECUESTA (SANTANDER)
1460	Sep 29 2016	00:55:21.4	5.75	-75.43	30	0.6	0.7	185	7	ABEJORRAL (ANTIOQUIA)
1461	Sep 29 2016	00:55:44.7	6.55	-73.58	Sup	1.2	0.5	79	9	EL CARMEN (SANTANDER)
1462	Sep 29 2016	02:30: 5.9	6.80	-73.11	146	2.2	0.6	121	31	LOS SANTOS (SANTANDER)
1463	Sep 29 2016	03:00:56.8	6.77	-73.10	142	1.8	0.4	124	22	LOS SANTOS (SANTANDER)
1464	Sep 29 2016	03:26:38.0	11.66	-71.67	57	2.5	0.4	277	18	FRONTERA CON VENEZUELA
1465	Sep 29 2016	03:44:35.9	6.84	-73.15	151	1.4	0.5	241	13	LOS SANTOS (SANTANDER)
1466	Sep 29 2016	04:57:41.3	6.80	-73.12	151	1.2	0.3	240	11	LOS SANTOS (SANTANDER)
1467	Sep 29 2016	04:59:36.0	6.79	-73.11	148	1.8	0.4	167	24	LOS SANTOS (SANTANDER)
1468	Sep 29 2016	05:29:33.5	6.80	-73.15	145	2.0	0.4	71	31	LOS SANTOS (SANTANDER)
1469	Sep 29 2016	05:43: 4.4	7.38	-73.18	134	1.4	0.3	105	13	EL PLAYON (SANTANDER)
1470	Sep 29 2016	05:55:15.7	8.14	-73.64	91	2.1	0.5	78	30	AGUACHICA (CESAR)
1471	Sep 29 2016	06:10:49.1	6.76	-73.13	145	2.1	0.4	67	26	LOS SANTOS (SANTANDER)
1472	Sep 29 2016	06:19:10.1	4.43	-76.10	120	1.6	0.4	132	9	ROLDANILLO (VALLE)
1473	Sep 29 2016	07:15:40.0	6.75	-73.18	153	1.3	0.2	230	8	LOS SANTOS (SANTANDER)
1474	Sep 29 2016	07:17:14.5	6.00	-74.00	6	1.1	0.6	94	12	LA BELLEZA (SANTANDER)
1475	Sep 29 2016	07:21:29.4	5.98	-74.00	Sup	1.1	0.2	95	13	LA BELLEZA (SANTANDER)
1476	Sep 29 2016	07:31:58.1	6.01	-74.00	Sup	2.3	0.6	71	39	LA BELLEZA (SANTANDER)
1477	Sep 29 2016	07:36:55.3	6.00	-73.99	Sup	1.4	0.8	96	19	LA BELLEZA (SANTANDER)
1478	Sep 29 2016	07:41:27.9	5.98	-73.98	13	1.4	0.6	99	19	LA BELLEZA (SANTANDER)
1479	Sep 29 2016	07:41:27.0	2.83	-76.09	Sup	2.1	0.5	104	18	TORIBIO (CAUCA)
1480	Sep 29 2016	08:37:27.7	6.77	-73.10	148	1.6	0.5	124	17	LOS SANTOS (SANTANDER)
1481	Sep 29 2016	08:38:56.3	6.83	-73.14	146	1.4	0.4	143	10	LOS SANTOS (SANTANDER)
1482	Sep 29 2016	09:04:55.0	6.00	-73.98	Sup	2.0	0.7	72	22	LA BELLEZA (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1483	Sep 29 2016	10:01:56.2	6.01	-73.50	126	1.4	0.4	84	20	SAN JOSE DE PARE (BOYACA)
1484	Sep 29 2016	10:15: 2.0	6.78	-73.12	146	2.0	0.4	122	26	LOS SANTOS (SANTANDER)
1485	Sep 29 2016	10:19:30.7	4.93	-74.79	Sup	1.9	0.7	55	44	LERIDA (TOLIMA)
1486	Sep 29 2016	11:01:49.9	7.21	-76.37	8	1.2	0.2	278	8	MUTATA (ANTIOQUIA)
1487	Sep 29 2016	11:13: 0.7	6.84	-72.98	149	1.3	0.1	256	12	CEPITA (SANTANDER)
1488	Sep 29 2016	11:16:32.6	6.80	-73.29	126	1.7	0.3	104	21	ZAPATOCA (SANTANDER)
1489	Sep 29 2016	11:55:56.5	6.81	-73.53	115	1.1	0.2	120	10	EL CARMEN (SANTANDER)
1490	Sep 29 2016	14:06: 3.0	6.84	-73.13	143	0.9	0.3	144	7	LOS SANTOS (SANTANDER)
1491	Sep 29 2016	14:08: 1.4	6.75	-73.16	121	1.2	0.3	136	10	LOS SANTOS (SANTANDER)
1492	Sep 29 2016	14:14:47.4	6.81	-73.11	150	3.5	0.4	67	78	LOS SANTOS (SANTANDER)
1493	Sep 29 2016	14:19:30.2	5.97	-73.74	119	1.1	0.2	133	8	BOLIVAR (SANTANDER)
1494	Sep 29 2016	14:23: 5.2	6.77	-73.12	137	2.0	0.4	141	23	LOS SANTOS (SANTANDER)
1495	Sep 29 2016	14:49: 5.3	6.73	-73.12	138	1.6	0.4	142	17	JORDAN (SANTANDER)
1496	Sep 29 2016	15:50:47.0	8.43	-75.40	Sup	1.9	0.5	177	20	PUEBLO NUEVO (CORDOBA)
1497	Sep 29 2016	15:53:20.9	7.26	-76.39	11	1.3	0.3	277	8	MUTATA (ANTIOQUIA)
1498	Sep 29 2016	17:25:35.9	9.70	-73.31	Sup	1.8	0.7	147	21	BECERRIL (CESAR)
1499	Sep 29 2016	17:39:14.5	6.01	-74.00	Sup	1.4	0.4	93	20	LA BELLEZA (SANTANDER)
1500	Sep 29 2016	17:53: 1.8	6.02	-73.98	12	1.0	0.3	140	10	LA BELLEZA (SANTANDER)
1501	Sep 29 2016	18:53:21.1	3.95	-76.52	116	1.8	0.4	102	18	CALIMA (VALLE)
1502	Sep 29 2016	19:56:13.1	7.06	-76.68	Sup	1.8	0.3	268	15	MURINDO (ANTIOQUIA)
1503	Sep 29 2016	20:37: 6.2	7.16	-76.24	Sup	1.9	0.4	240	11	DABEIBA (ANTIOQUIA)
1504	Sep 29 2016	22:16:40.7	6.70	-74.94	21	2.9	0.5	52	57	YALI (ANTIOQUIA)
1505	Sep 29 2016	22:29:27.7	6.98	-73.52	107	1.6	0.4	123	14	SAN VICENTE DE CHUCURI (SANTANDER)
1506	Sep 29 2016	23:25:49.7	6.77	-73.34	130	1.5	0.3	115	11	ZAPATOCA (SANTANDER)
1507	Sep 29 2016	23:54:50.6	6.79	-73.15	146	1.6	0.4	136	15	LOS SANTOS (SANTANDER)
1508	Sep 30 2016	00:05:23.6	6.90	-73.15	146	1.4	0.2	130	16	PIEDRECUESTA (SANTANDER)
1509	Sep 30 2016	00:17:31.2	5.14	-73.04	Sup	1.9	0.8	92	33	PAEZ (BOYACA)
1510	Sep 30 2016	01:10:31.5	7.08	-76.03	Sup	1.5	0.4	146	20	PEQUE (ANTIOQUIA)
1511	Sep 30 2016	01:16: 4.1	6.67	-73.25	147	1.3	0.2	187	16	BARICHARA (SANTANDER)
1512	Sep 30 2016	01:47: 9.1	3.69	-76.92	Sup	1.4	0.3	140	12	DAGUA (VALLE)
1513	Sep 30 2016	01:53:27.3	6.80	-73.15	145	1.2	0.2	136	12	LOS SANTOS (SANTANDER)
1514	Sep 30 2016	01:57:31.6	6.72	-73.11	147	1.5	0.2	143	14	JORDAN (SANTANDER)
1515	Sep 30 2016	02:02:49.7	7.21	-76.27	Sup	2.0	0.4	234	30	MUTATA (ANTIOQUIA)
1516	Sep 30 2016	02:20:17.8	7.09	-76.04	Sup	1.0	0.3	152	8	PEQUE (ANTIOQUIA)
1517	Sep 30 2016	02:23:12.7	7.06	-76.04	Sup	0.7	0.2	143	8	PEQUE (ANTIOQUIA)
1518	Sep 30 2016	02:25:41.3	6.78	-73.16	141	0.9	0.2	234	8	LOS SANTOS (SANTANDER)
1519	Sep 30 2016	02:35: 8.6	5.25	-73.74	154	1.1	0.4	141	8	CUCUNUBA (CUNDINAMARCA)
1520	Sep 30 2016	02:36:17.6	2.72	-75.02	Sup	1.8	0.5	108	18	RIVERA (HUILA)
1521	Sep 30 2016	03:29:28.5	7.38	-76.54	Sup	1.1	0.1	269	7	MUTATA (ANTIOQUIA)
1522	Sep 30 2016	03:29:38.6	9.66	-72.79	Sup	1.8	0.5	156	12	FRONTERA CON VENEZUELA
1523	Sep 30 2016	04:04:42.0	7.44	-73.11	140	1.7	0.5	119	20	EL PLAYON (SANTANDER)
1524	Sep 30 2016	04:08:54.5	6.72	-73.20	145	1.1	0.3	224	9	VILLANUEVA (SANTANDER)
1525	Sep 30 2016	04:13: 6.7	6.68	-73.24	163	1.2	0.4	217	10	BARICHARA (SANTANDER)
1526	Sep 30 2016	04:19:41.0	6.96	-73.02	142	1.2	0.4	196	11	PIEDRECUESTA (SANTANDER)
1527	Sep 30 2016	04:29:58.3	6.77	-73.14	147	0.8	0.2	236	7	LOS SANTOS (SANTANDER)
1528	Sep 30 2016	04:33: 0.6	5.26	-73.77	146	1.2	0.4	128	13	CUCUNUBA (CUNDINAMARCA)
1529	Sep 30 2016	05:02:16.5	6.74	-73.17	158	1.0	0.1	230	8	VILLANUEVA (SANTANDER)
1530	Sep 30 2016	05:18:22.1	6.82	-73.12	148	1.9	0.5	138	36	LOS SANTOS (SANTANDER)
1531	Sep 30 2016	05:54:40.8	6.47	-75.24	Sup	1.0	0.1	214	8	CONCEPCION (ANTIOQUIA)
1532	Sep 30 2016	06:02:20.4	2.09	-75.74	Sup	2.3	0.2	100	37	ALTAMIRA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1533	Sep 30 2016	06:16:20.9	2.25	-75.58	18	1.2	0.5	126	12	GARZON (HUILA)
1534	Sep 30 2016	06:56:18.0	8.39	-73.43	104	2.0	0.4	132	32	GONZALEZ (CESAR)
1535	Sep 30 2016	06:58:59.8	4.89	-77.67	84	1.4	0.2	261	8	O. PACIFICO CENTRO
1536	Sep 30 2016	06:59: 4.4	6.81	-73.15	151	1.5	0.4	134	21	LOS SANTOS (SANTANDER)
1537	Sep 30 2016	07:07:17.8	5.71	-73.05	Sup	0.9	0.4	275	9	TIBASOSA (BOYACA)
1538	Sep 30 2016	07:43:43.1	6.82	-73.12	144	2.5	0.5	71	52	LOS SANTOS (SANTANDER)
1539	Sep 30 2016	08:13:39.6	6.83	-73.19	127	0.9	0.2	241	7	ZAPATOCA (SANTANDER)
1540	Sep 30 2016	08:26: 6.7	6.76	-73.13	140	1.5	0.3	140	18	LOS SANTOS (SANTANDER)
1541	Sep 30 2016	08:35: 2.4	2.51	-75.23	Sup	1.1	0.3	100	14	ALGECIRAS (HUILA)
1542	Sep 30 2016	08:37:27.9	6.79	-73.15	145	1.9	0.3	136	25	LOS SANTOS (SANTANDER)
1543	Sep 30 2016	08:48:21.1	6.77	-73.15	144	1.5	0.2	136	17	LOS SANTOS (SANTANDER)
1544	Sep 30 2016	09:23:57.2	7.26	-72.99	77	1.0	0.1	191	7	CHARTA (SANTANDER)
1545	Sep 30 2016	10:01:39.9	6.79	-73.14	141	1.1	0.2	137	8	LOS SANTOS (SANTANDER)
1546	Sep 30 2016	10:32:25.8	6.81	-73.12	146	2.3	0.5	120	30	LOS SANTOS (SANTANDER)
1547	Sep 30 2016	10:44:42.2	6.76	-73.14	142	0.9	0.2	235	8	LOS SANTOS (SANTANDER)
1548	Sep 30 2016	10:57: 9.9	6.59	-74.65	Sup	1.2	0.6	131	10	MACEO (ANTIOQUIA)
1549	Sep 30 2016	12:06:11.6	6.76	-73.15	144	1.7	0.3	136	12	LOS SANTOS (SANTANDER)
1550	Sep 30 2016	12:52:48.4	4.78	-75.99	48	1.1	0.2	122	9	ANSERMANUEVO (VALLE)
1551	Sep 30 2016	13:17: 4.8	5.71	-74.76	Sup	1.5	0.5	163	10	NORCASIA (CALDAS)
1552	Sep 30 2016	14:07:38.2	5.59	-73.87	136	1.5	0.4	157	8	CALDAS (BOYACA)
1553	Sep 30 2016	14:27:50.1	5.57	-73.85	133	1.7	0.4	105	13	CALDAS (BOYACA)
1554	Sep 30 2016	14:49:54.2	5.94	-74.24	Sup	1.1	0.3	145	8	OTANCHE (BOYACA)
1555	Sep 30 2016	15:25:19.4	5.28	-73.73	150	2.9	0.5	77	45	LENGUAZAQUE (CUNDINAMARCA)
1556	Sep 30 2016	15:36:49.4	6.81	-73.15	150	1.5	0.4	135	11	LOS SANTOS (SANTANDER)
1557	Sep 30 2016	16:34:29.2	6.78	-73.14	143	1.8	0.6	137	13	LOS SANTOS (SANTANDER)
1558	Sep 30 2016	17:04:38.2	6.83	-73.20	142	1.6	0.3	148	9	ZAPATOCA (SANTANDER)
1559	Sep 30 2016	17:12: 4.5	6.80	-73.13	150	3.7	0.5	66	63	LOS SANTOS (SANTANDER)
1560	Sep 30 2016	17:39: 7.2	5.33	-73.57	166	1.7	0.5	151	13	VENTAQUEMADA (BOYACA)
1561	Sep 30 2016	17:44:52.0	6.76	-73.12	139	1.9	0.4	140	17	LOS SANTOS (SANTANDER)
1562	Sep 30 2016	17:53: 2.3	6.78	-73.16	146	2.6	0.4	99	38	LOS SANTOS (SANTANDER)
1563	Sep 30 2016	18:29:12.9	6.80	-73.16	147	1.7	0.4	134	13	LOS SANTOS (SANTANDER)
1564	Sep 30 2016	18:44:13.7	6.81	-73.20	141	1.3	0.1	146	8	ZAPATOCA (SANTANDER)
1565	Sep 30 2016	19:12:17.7	6.79	-73.15	149	3.7	0.4	65	66	LOS SANTOS (SANTANDER)
1566	Sep 30 2016	19:36:34.8	3.16	-74.00	Sup	2.0	0.3	153	14	MESETAS (META)
1567	Sep 30 2016	19:38:51.9	6.58	-73.70	98	1.1	0.5	129	8	EL CARMEN (SANTANDER)
1568	Sep 30 2016	20:06:43.4	6.75	-73.15	143	1.8	0.5	137	13	LOS SANTOS (SANTANDER)
1569	Sep 30 2016	21:53:27.8	3.21	-74.62	21	1.9	0.3	244	8	COLOMBIA (HUILA)