



BOLETÍN DE SISMOS
septiembre de 2017
Red Sismológica Nacional de Colombia – RSNC –

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Bogotá, octubre de 2017

República de Colombia
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA
SERVICIO GEOLÓGICO COLOMBIANO**



Boletín de Sismos: septiembre de 2017

Red Sismológica Nacional de Colombia

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PRESENTACION

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

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

Cordialmente,

M.Sc. 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

**Coordinadora de la Investigación
y el Monitoreo de la Actividad Sísmica**

M.Sc. Viviana Dionicio Lozano

ANALISTAS

Geól. Andrea Carolina Pérez.

Geól. Laura Vanessa Velásquez., Est. M.Sc.

Geól. Miguel Angel Cubillos Fajardo.

Geól. Daniela Andrea Hernández.

Ing. Elec. Oscar Daniel Suárez Mejía

Físico. Daniel David Siervo Plata.

Lic. Física. Edwin Fabián Mayorga López., M.Sc.

Geól. Daniel Martínez Jaramillo.

ÁREA DE SISMOLOGÍA

Física. Patricia Pedraza., M.Sc.

Físico. Camilo Muñoz Lopez.

Ing. Fís. Ruth Emilse Bolaños.

Lic. Físico. Hugo Esteban Poveda., M.Sc.

Físico. Juan Santiago Velásquez., M.Sc.

Geóloga. Lina Paola Aguirre., M.Sc.

Físico. Juan Carlos Bermudez., M.Sc.

Física. María Fernanda Nader., Est. Doc.

Geóloga. Claudia Indira Molina., Doc.

ÁREA DE ELECTRÓNICA

Ing. Andres Felipe Gómez

Ing. Jorge Andres de la Rosa.

Ing. Juan Carlos Lizcano.

Ing. Ariel Giovany Portocarrero.

Ing. Johnnatan Fernandez.

Tec. Edgar Gil.

Tec. Robert Prada.

ÁREA DE SISTEMAS

Ing. Sist. Monica Yaneth Acosta., Esp.

Ing. Sist. Orlando Chamorro.

Ing. Sist. Oscar David Riobamba.

Ing. Sist. Carlos Guillermo Araujo Moncayo.

FUNCIONAMIENTO DE LAS ESTACIONES RSNC

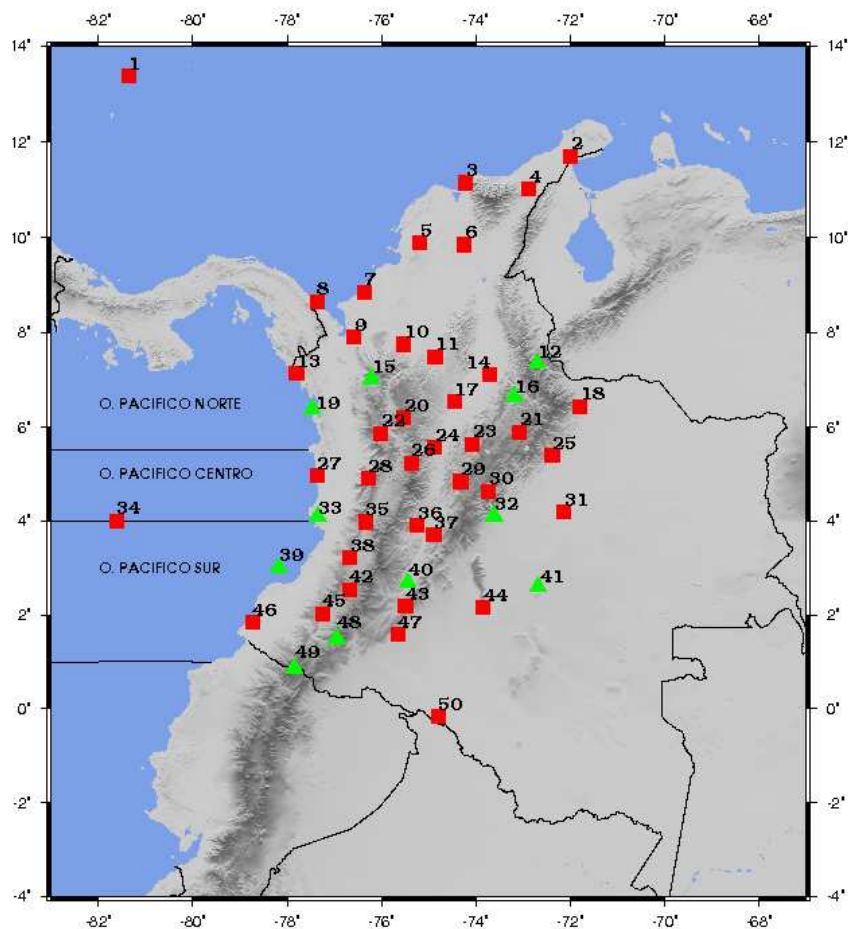


Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

No.	Tipo de Sensor*	Nombre de la Estación	%
1	BB	PROVIDENCIA	100
2	BB	URIBIA	99,83
3	BB	SANTA MARTA	100
4	BB	CERREJON	47,97
5	BB	SAN JACINTO	100
6	BB	ARIGUANI	100
7	BB	LOS CORDOBAS	100
8	BB	CAPURGANÁ	0
9	BB	APARTADO	96,27
10	BB	SAN JOSE DE URE	100
11	BB	ZARAGOZA	100
12	SP	PAMPLONA	100
13	BB	PUNTA ARDITA	100
14	BB	BARRANCA	97,77
15	SP	DABEIBA	99,43
16	SP	BARICHARA	100
17	BB	PUERTO BERRIO	0
18	BB	TAME	99,93
19	SP	SOLANO	98,6
20	BB	ST.HELENA	94,27
21	BB	LA RUSIA	100
22	BB	CIUDAD BOLIVAR	77,4
23	BB	SAN PABLO DE BORBUR	65,4
24	SP	NORCASIA	100
25	SP	YOPAL	97,83
26	BB	GUYANA	100
27	BB	PIZARRO	99,37
28	BB	SAN JOSE DEL PALMAR	100
29	BB	EL ROSAL (CTBTO)	99,83
30	SP	CHINGAZA	100
31	BB	PUERTO GAITAN	100
32	SP	VILLAVICENCIO	88,1
33	SP	MALAGA	100
34	BB	MALPELO	0
35	BB	YOTOCO	100
36	BB	ORTEGA	100
37	BB	PRADO	99,87
38	BB	JAMUNDI	100
39	SP	GORGONA	99,83
40	SP	BETANIA	100
41	BB	POPAYAN	100
42	SP	GUAVIARE	100
43	BB	GARZON	100
44	BB	MACARENA	100
45	BB	BALBOA	100
46	BB	TUMACO	20
47	BB	FLORENCIA	100
48	SP	LA CRUZ	100
49	SP	CUMBAL	100
50	BB	PUERTO LEGUIZAMO	100

* SP = Periodo corto
BB = Banda ancha

HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



SISMICIDAD DE SEPTIEMBRE DE 2017

Durante el mes de septiembre se registraron 3668 eventos, de los cuales: 3350 corresponden a eventos locales y de estos se localizaron 1365, 58 fueron Regionales y 260 Distantes. De los eventos localizados, 15 se determinaron como destacados, ver cuadro 1 y figura 2.

Un evento es denominado como destacado si:

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

CONVENCIONES

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

Cuadro 1: Eventos destacados durante septiembre de 2017

N	FECHA	H:M:S	LAT	LONG	Z	Mw	RMS	GAP	NF	UBICACION
168	Sep 4 2017	10:59:46.3	4.53	-75.71	Sup	3.4	0.7	74	73	ARMENIA (QUINDIO)*
180	Sep 4 2017	20:28:23.4	6.82	-73.14	156	5.0	0.7	56	123	LOS SANTOS (SANTANDER)*
208	Sep 5 2017	08:37:57.9	1.16	-77.42	19	3.3	0.1	290	51	VOLCAN GALERAS*
345	Sep 8 2017	15:12:16.7	5.27	-73.74	144	3.8	0.6	54	80	CUCUNUBA (CUNDINAMARCA)*
510	Sep 12 2017	03:40:32.6	3.28	-74.38	Sup	3.2	1.1	62	66	URIBE (META)*
552	Sep 13 2017	03:07: 3.1	9.56	-73.16	132	4.7	0.7	59	122	LA JAGUA DE IBIRICO (CESAR)*
554	Sep 13 2017	03:34:40.3	0.90	-79.75	15	4.3	0.4	278	99	FRONTERA CON ECUADOR
749	Sep 17 2017	07:11:25.0	6.46	-76.72	Sup	4.2	0.5	63	110	VIGIA DEL FUERTE (ANTIOQUIA)*
777	Sep 17 2017	22:22:25.0	3.62	-77.30	64	3.8	0.8	118	92	O. PACIFICO SUR*
792	Sep 18 2017	03:24:10.7	4.96	-75.33	Sup	2.8	0.1	114	37	VOLCAN NEVADO DEL RUIZ*
1021	Sep 23 2017	05:17:46.6	9.76	-74.69	46	4.4	0.9	93	93	PLATO (MAGDALENA)*
1027	Sep 23 2017	09:19:16.6	9.05	-77.83	47	4.3	0.5	146	86	FRONTERA CON PANAMA
1038	Sep 23 2017	13:24:16.0	4.95	-75.32	Sup	3.6	0.1	107	61	VOLCAN NEVADO DEL RUIZ*
1248	Sep 28 2017	06:30:51.1	1.54	-76.88	Sup	2.8	0.1	208	16	VOLCAN LAS ANIMAS*
1316	Sep 29 2017	22:52: 3.2	6.83	-73.14	154	4.7	0.6	56	104	LOS SANTOS (SANTANDER)*

*Eventos Sísmicos reportados como sentidos

RED SISMOLOGICA NACIONAL DE COLOMBIA

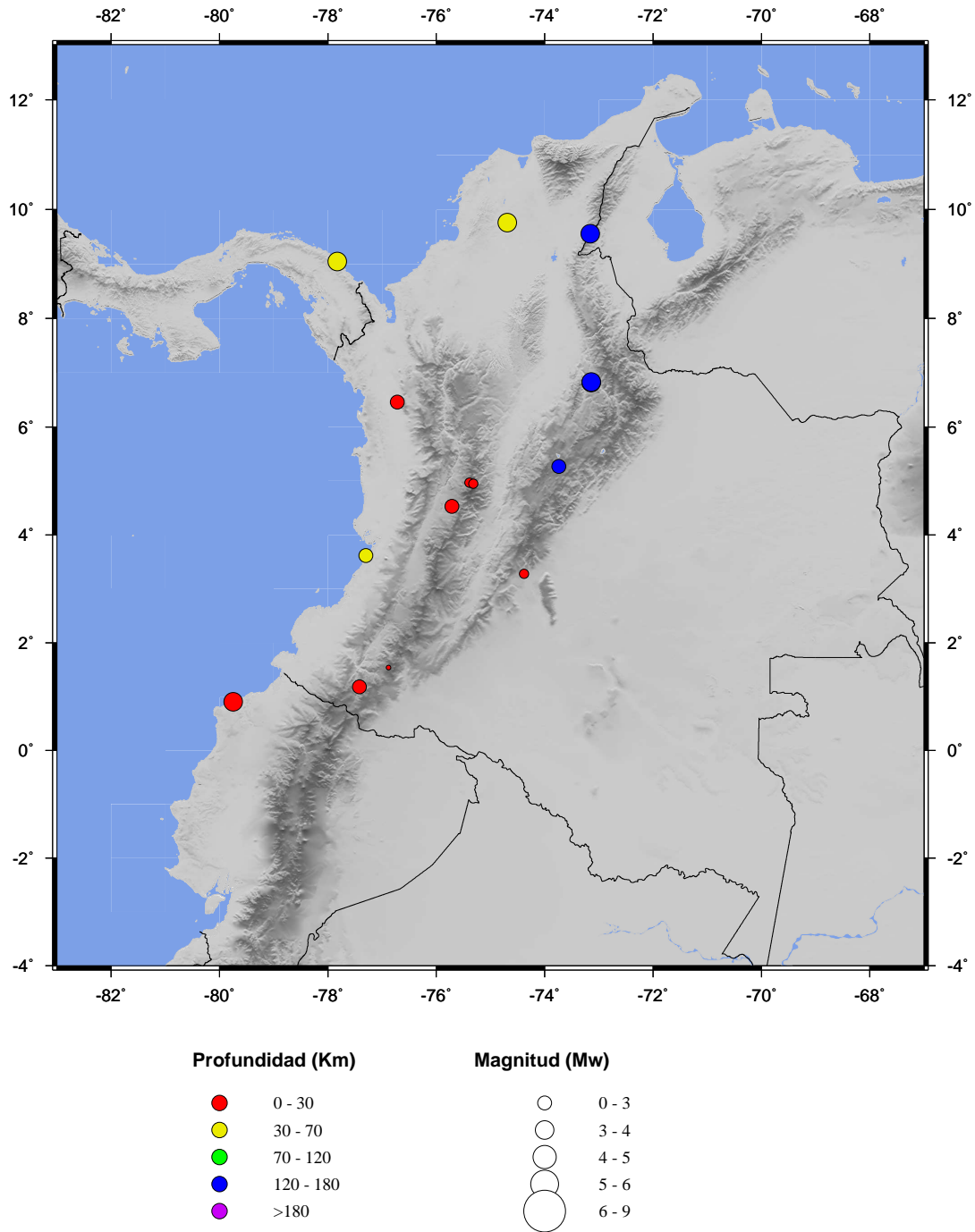


Figura 2: Sismos destacados localizados por la RSNC, durante septiembre de 2017.

RED SISMOLOGICA NACIONAL DE COLOMBIA

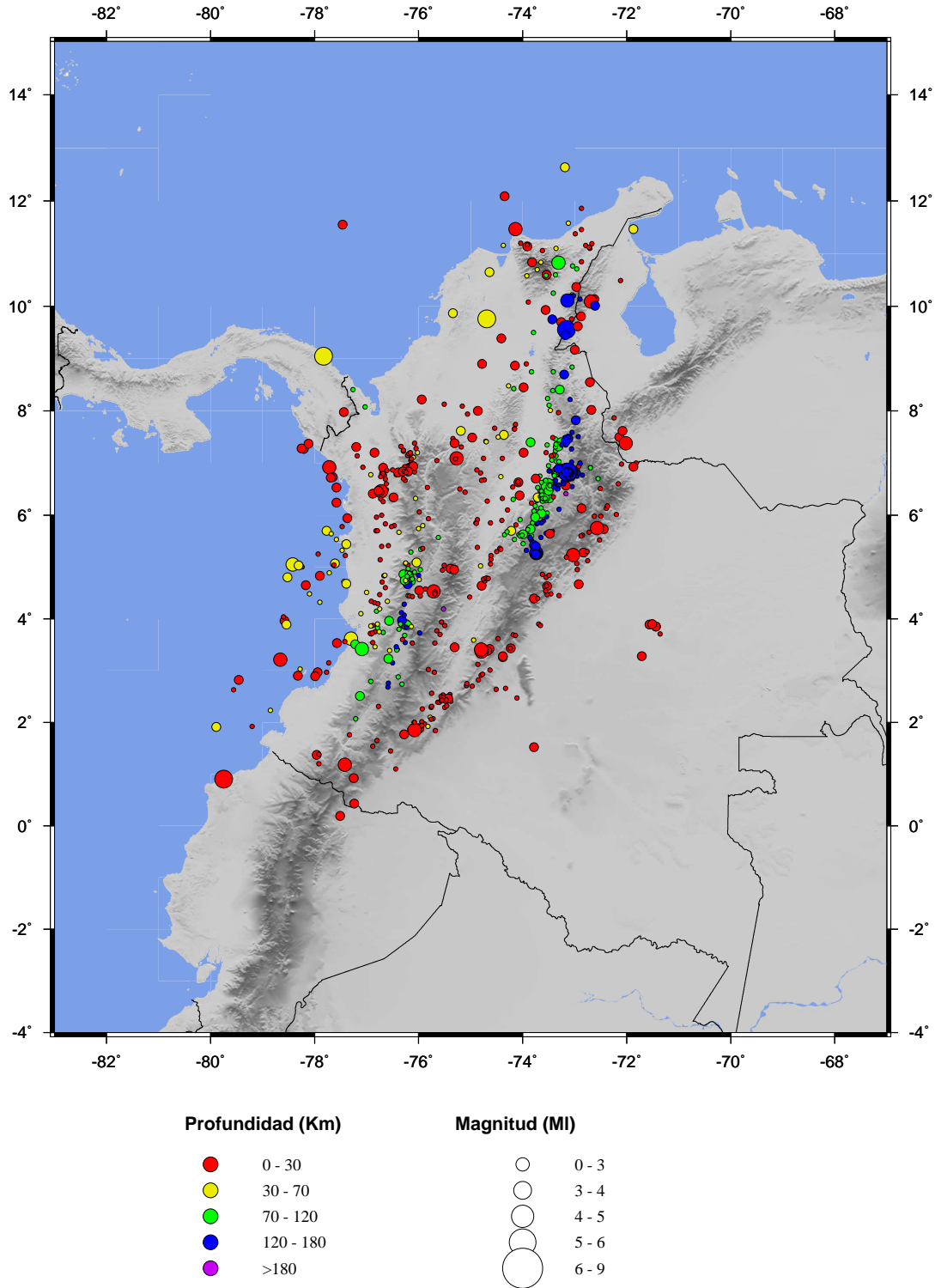


Figura 3: Sismicidad registrada por la RSNC durante septiembre de 2017

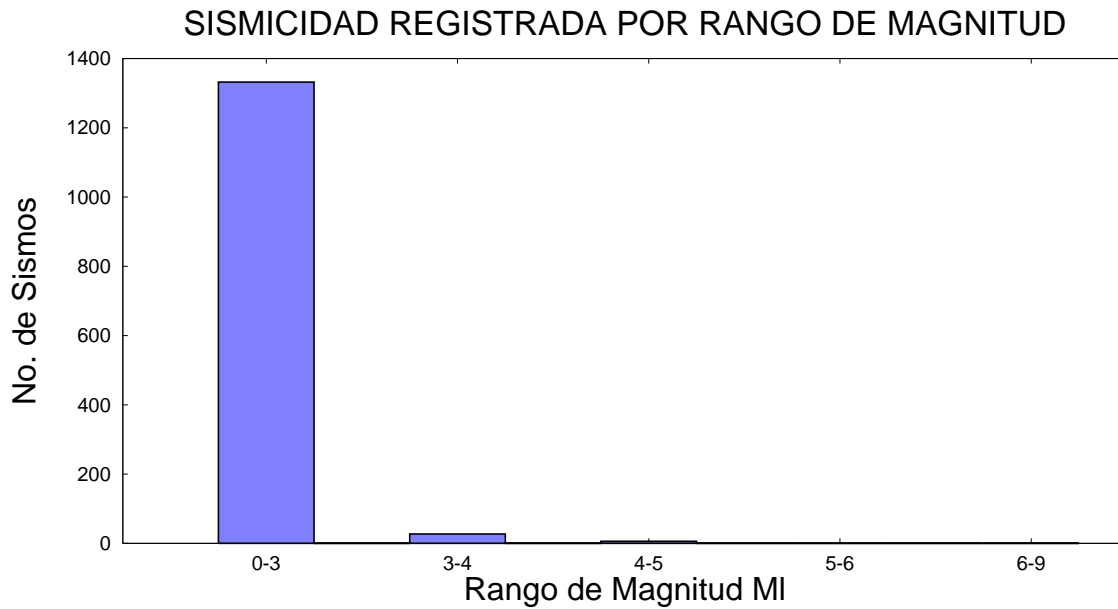


Figura 4: Número de sismos registrados por rango de magnitud, septiembre de 2017

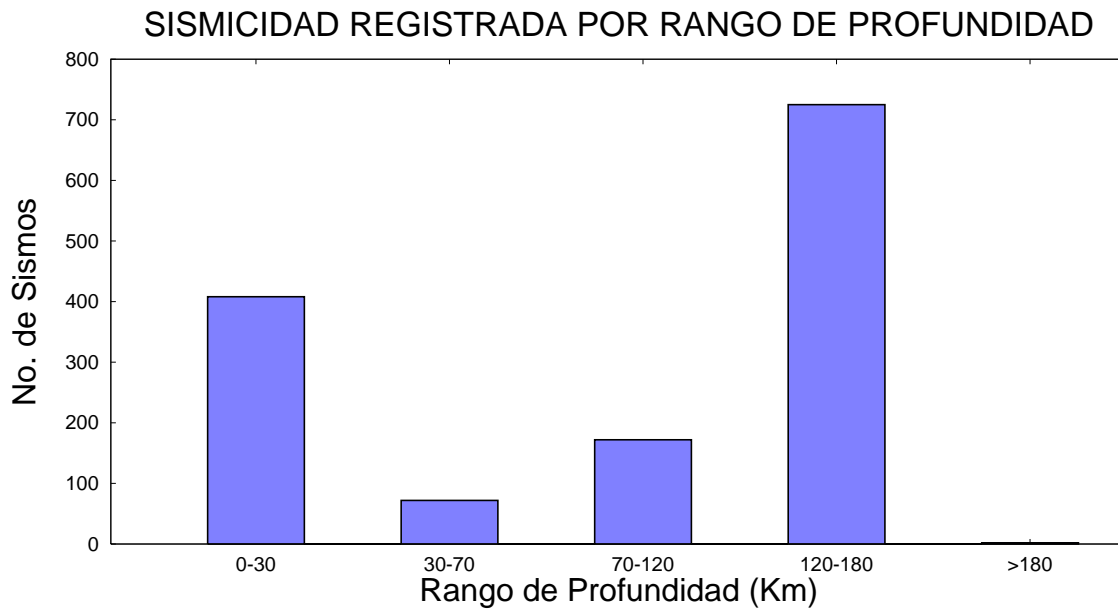


Figura 5: Número de sismos registrados por rango de profundidad, septiembre de 2017

EVENTOS LOCALIZADOS DURANTE SEPTIEMBRE DE 2017

Cuadro 2: Listado de eventos localizados durante septiembre de 2017

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Sep 1 2017	00:21:53.8	6.76	-73.11	147	1.4	0.2	142	8	LOS SANTOS (SANTANDER)
2	Sep 1 2017	01:45:26.3	6.83	-73.15	147	2.9	0.6	65	47	LOS SANTOS (SANTANDER)
3	Sep 1 2017	01:57:33.0	5.81	-74.13	12	1.0	0.5	160	10	OTANCHE (BOYACA)
4	Sep 1 2017	02:41:35.6	6.80	-73.12	143	1.1	0.1	139	8	LOS SANTOS (SANTANDER)
5	Sep 1 2017	02:54:36.2	6.77	-73.09	147	1.8	0.4	117	22	LOS SANTOS (SANTANDER)
6	Sep 1 2017	03:03:46.6	6.80	-73.12	144	1.6	0.4	114	12	LOS SANTOS (SANTANDER)
7	Sep 1 2017	03:24:31.5	6.80	-73.13	144	1.4	0.2	138	10	LOS SANTOS (SANTANDER)
8	Sep 1 2017	03:41:37.7	5.74	-76.00	66	1.4	0.4	152	12	BETANIA (ANTIOQUIA)
9	Sep 1 2017	03:50:10.2	7.27	-73.06	158	1.8	0.4	119	13	MATANZA (SANTANDER)
10	Sep 1 2017	04:40:52.6	6.78	-73.09	140	1.7	0.3	242	8	LOS SANTOS (SANTANDER)
11	Sep 1 2017	04:59:50.3	6.79	-73.14	150	1.9	0.4	112	18	LOS SANTOS (SANTANDER)
12	Sep 1 2017	05:59:42.5	6.76	-73.17	149	1.4	0.2	231	6	LOS SANTOS (SANTANDER)
13	Sep 1 2017	06:03:20.7	6.98	-72.90	180	1.6	0.5	191	12	SANTA BARBARA (SANTANDER)
14	Sep 1 2017	06:07:32.7	2.68	-76.59	131	1.1	0.3	187	10	CAJIBIO (CAUCA)
15	Sep 1 2017	06:42:51.4	6.53	-77.58	Sup	2.7	0.4	190	9	O. PACIFICO NORTE
16	Sep 1 2017	06:56:17.8	6.92	-77.72	18	3.3	0.3	170	7	O. PACIFICO NORTE
17	Sep 1 2017	07:32:24.8	5.62	-74.07	100	1.1	0.4	222	8	SAN PABLO DE BORBUR (BOYACA)
18	Sep 1 2017	07:34:42.8	2.95	-74.74	Sup	0.8	0.4	143	10	BARAYA (HUILA)
19	Sep 1 2017	08:15:17.4	6.60	-76.62	Sup	1.5	0.7	157	13	VIGIA DEL FUERTE (ANTIOQUIA)
20	Sep 1 2017	08:35:12.0	6.81	-73.13	146	1.2	0.4	137	9	LOS SANTOS (SANTANDER)
21	Sep 1 2017	08:37:30.3	6.67	-73.39	112	0.9	0.1	149	6	GALAN (SANTANDER)
22	Sep 1 2017	08:54:16.5	6.83	-73.01	143	1.6	0.4	253	10	CEPITA (SANTANDER)
23	Sep 1 2017	08:59:13.0	6.82	-73.14	145	2.3	0.5	111	28	LOS SANTOS (SANTANDER)
24	Sep 1 2017	09:23: 6.0	4.52	-75.68	Sup	1.0	0.5	153	12	ARMENIA (QUINDIO)
25	Sep 1 2017	09:33:46.6	8.01	-74.83	Sup	1.8	0.3	240	8	NECHI (ANTIOQUIA)
26	Sep 1 2017	09:51: 9.6	11.20	-74.04	Sup	1.6	0.6	178	9	PUEBLO BELLO (CESAR)
27	Sep 1 2017	10:10:46.6	10.08	-73.89	Sup	1.3	0.4	144	11	EL COPEY (CESAR)
28	Sep 1 2017	11:13:49.0	7.32	-77.16	Sup	1.7	0.4	191	8	RIOSUCIO (CHOCO)
29	Sep 1 2017	11:18:22.9	6.68	-74.74	20	1.9	0.5	76	26	YALI (ANTIOQUIA)
30	Sep 1 2017	13:14:11.0	6.77	-73.10	135	1.5	0.4	240	8	LOS SANTOS (SANTANDER)
31	Sep 1 2017	13:53:33.3	6.75	-73.13	139	1.5	0.3	236	11	LOS SANTOS (SANTANDER)
32	Sep 1 2017	15:32:50.2	3.89	-71.56	Sup	2.3	0.8	223	23	PUERTO GAITAN (META)
33	Sep 1 2017	15:54: 6.7	6.79	-73.10	142	1.6	0.3	242	8	LOS SANTOS (SANTANDER)
34	Sep 1 2017	16:41:53.1	6.78	-73.07	138	1.6	0.5	119	20	LOS SANTOS (SANTANDER)
35	Sep 1 2017	16:59:54.6	3.54	-76.88	Sup	1.6	0.6	147	11	DAGUA (VALLE)
36	Sep 1 2017	17:33:20.1	4.94	-75.54	Sup	1.9	0.6	94	36	CHINCHINA (CALDAS)
37	Sep 1 2017	19:26:48.2	6.32	-73.49	117	2.8	0.5	49	56	CONTRATACION (SANTANDER)
38	Sep 1 2017	19:29:11.2	7.40	-73.26	118	2.7	0.7	97	43	EL PLAYON (SANTANDER)
39	Sep 1 2017	20:17: 4.5	6.01	-72.20	Sup	1.4	0.4	133	13	SACAMA (CASANARE)
40	Sep 1 2017	20:48:40.4	4.77	-74.73	Sup	1.2	0.5	90	20	BELTRAN (CUNDINAMARCA)
41	Sep 1 2017	20:54:41.0	6.77	-73.12	148	2.0	0.4	141	18	LOS SANTOS (SANTANDER)
42	Sep 1 2017	21:29:30.5	6.75	-73.10	146	1.6	0.2	238	12	LOS SANTOS (SANTANDER)
43	Sep 1 2017	22:07:53.2	6.79	-73.12	143	1.9	0.4	114	25	LOS SANTOS (SANTANDER)
44	Sep 1 2017	22:24:38.8	6.83	-73.12	147	1.1	0.1	138	8	LOS SANTOS (SANTANDER)
45	Sep 1 2017	22:38:27.6	6.91	-72.94	135	1.2	0.1	158	10	SANTA BARBARA (SANTANDER)
46	Sep 1 2017	22:56:47.5	6.80	-76.71	Sup	1.8	0.5	148	14	MURINDO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
47	Sep 1 2017	23:37: 7.3	7.05	-75.65	Sup	1.2	0.3	104	10	TOLEDO (ANTIOQUIA)
48	Sep 1 2017	23:49:45.7	6.77	-73.11	143	1.8	0.3	115	25	LOS SANTOS (SANTANDER)
49	Sep 2 2017	00:43:21.9	5.23	-73.72	148	2.0	0.5	57	22	CUCUNUBA (CUNDINAMARCA)
50	Sep 2 2017	01:43:58.6	6.47	-73.51	108	1.2	0.4	88	10	SANTA HELENA DEL OPO (SANTANDER)
51	Sep 2 2017	02:37:27.4	6.78	-73.06	145	1.5	0.3	148	7	LOS SANTOS (SANTANDER)
52	Sep 2 2017	03:14:14.8	6.79	-73.10	147	1.4	0.5	242	10	LOS SANTOS (SANTANDER)
53	Sep 2 2017	03:44:13.5	7.13	-76.13	Sup	1.7	0.4	192	11	DABEIBA (ANTIOQUIA)
54	Sep 2 2017	03:46:19.0	3.88	-76.32	121	1.3	0.5	250	10	BUGA (VALLE)
55	Sep 2 2017	03:58:25.8	6.28	-73.73	102	1.5	0.5	79	18	LANDAZURI (SANTANDER)
56	Sep 2 2017	04:23: 7.6	6.58	-73.40	114	1.2	0.3	147	7	HATO (SANTANDER)
57	Sep 2 2017	04:40:47.9	6.83	-73.04	146	1.9	0.5	223	19	LOS SANTOS (SANTANDER)
58	Sep 2 2017	05:13:56.3	6.80	-73.13	144	1.3	0.4	239	10	LOS SANTOS (SANTANDER)
59	Sep 2 2017	05:24:33.4	6.82	-73.08	150	0.9	0.3	246	7	LOS SANTOS (SANTANDER)
60	Sep 2 2017	06:00:20.5	6.88	-73.01	138	1.0	0.3	255	8	PIEDRECUESTA (SANTANDER)
61	Sep 2 2017	06:19: 0.5	6.79	-73.14	149	1.6	0.2	137	13	LOS SANTOS (SANTANDER)
62	Sep 2 2017	06:21:32.5	2.29	-75.76	Sup	1.3	0.4	182	8	AGRADO (HUILA)
63	Sep 2 2017	06:30:23.8	6.80	-73.16	140	1.2	0.6	236	10	LOS SANTOS (SANTANDER)
64	Sep 2 2017	06:44:17.9	6.81	-73.13	140	1.2	0.3	138	9	LOS SANTOS (SANTANDER)
65	Sep 2 2017	07:14:41.3	6.73	-73.18	138	1.2	0.5	227	10	VILLANUEVA (SANTANDER)
66	Sep 2 2017	07:27:10.0	6.73	-73.17	154	1.1	0.3	229	6	VILLANUEVA (SANTANDER)
67	Sep 2 2017	08:21:51.7	3.96	-78.58	12	2.2	0.8	254	14	O. PACIFICO SUR
68	Sep 2 2017	09:14: 4.9	5.40	-76.71	27	1.4	0.6	251	10	EL CANTON DEL SAN PABL (CHOCO)
69	Sep 2 2017	09:36:59.7	6.80	-73.13	148	2.1	0.4	108	22	LOS SANTOS (SANTANDER)
70	Sep 2 2017	09:53:20.9	7.54	-74.36	52	2.2	0.4	203	17	EL BAGRE (ANTIOQUIA)
71	Sep 2 2017	09:53:42.9	1.76	-77.33	22	1.7	0.4	199	10	EL ROSARIO (NARINO)
72	Sep 2 2017	09:53:53.3	3.42	-74.64	20	2.5	0.7	111	18	COLOMBIA (HUILA)
73	Sep 2 2017	10:21:40.1	6.85	-73.10	146	1.8	0.4	114	19	LOS SANTOS (SANTANDER)
74	Sep 2 2017	10:55:10.9	5.07	-76.25	93	1.2	0.4	249	8	SAN JOSE DEL PALMAR (CHOCO)
75	Sep 2 2017	11:22: 1.0	6.94	-73.27	114	1.7	0.4	234	12	BETULIA (SANTANDER)
76	Sep 2 2017	12:28:26.6	6.80	-73.35	120	1.8	0.2	191	12	ZAPATOCA (SANTANDER)
77	Sep 2 2017	13:37:19.1	6.77	-73.12	145	1.7	0.4	238	14	LOS SANTOS (SANTANDER)
78	Sep 2 2017	13:53:17.3	6.86	-73.13	143	1.8	0.3	223	12	LOS SANTOS (SANTANDER)
79	Sep 2 2017	14:02:10.8	6.80	-73.09	146	1.8	0.5	243	14	LOS SANTOS (SANTANDER)
80	Sep 2 2017	14:06:56.7	6.78	-73.12	142	1.8	0.5	114	19	LOS SANTOS (SANTANDER)
81	Sep 2 2017	14:30:39.1	6.62	-73.38	131	1.5	0.3	133	9	GALAN (SANTANDER)
82	Sep 2 2017	14:47:54.9	6.83	-73.11	145	1.5	0.2	243	8	LOS SANTOS (SANTANDER)
83	Sep 2 2017	17:14:39.1	11.19	-72.67	18	1.7	0.5	149	9	MANAURE BALCON CESAR (CESAR)
84	Sep 2 2017	17:30: 3.4	9.70	-73.26	Sup	2.1	0.6	166	14	BECERRIL (CESAR)
85	Sep 2 2017	17:58:41.4	3.43	-74.23	Sup	2.0	0.6	196	12	MESETAS (META)
86	Sep 2 2017	18:25: 5.0	6.54	-73.51	108	2.1	0.4	65	36	EL CARMEN (SANTANDER)
87	Sep 2 2017	19:46: 8.6	6.86	-73.29	147	1.5	0.3	110	9	BETULIA (SANTANDER)
88	Sep 2 2017	21:02:49.6	5.73	-72.44	Sup	2.0	0.5	127	21	PISVA (BOYACA)
89	Sep 2 2017	21:38: 4.3	2.53	-75.53	13	1.5	0.5	72	20	HOBO (HUILA)
90	Sep 2 2017	21:50:28.6	3.88	-76.26	114	1.6	0.4	165	12	BUGA (VALLE)
91	Sep 2 2017	21:50:41.2	6.33	-73.70	100	1.7	0.4	83	18	SANTA HELENA DEL OPO (SANTANDER)
92	Sep 2 2017	21:54:12.9	5.54	-74.85	15	0.9	0.2	260	8	NORCASIA (CALDAS)
93	Sep 2 2017	22:50:59.1	2.07	-75.72	Sup	1.6	0.3	119	14	ALTAMIRA (HUILA)
94	Sep 3 2017	01:04:44.3	3.77	-75.65	Sup	1.3	0.5	80	14	CHAPARRAL (TOLIMA)
95	Sep 3 2017	01:06:51.5	6.83	-73.13	145	1.8	0.5	111	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
96	Sep 3 2017	01:15:37.6	6.74	-73.09	147	1.4	0.3	239	8	LOS SANTOS (SANTANDER)
97	Sep 3 2017	01:27:47.0	6.33	-73.56	116	1.3	0.2	84	9	SANTA HELENA DEL OPO (SANTANDER)
98	Sep 3 2017	02:06:33.9	6.81	-73.11	146	2.5	0.5	114	31	LOS SANTOS (SANTANDER)
99	Sep 3 2017	02:22:15.6	6.79	-73.09	144	1.5	0.2	143	10	LOS SANTOS (SANTANDER)
100	Sep 3 2017	02:42:44.5	6.82	-73.12	144	2.4	0.5	67	32	LOS SANTOS (SANTANDER)
101	Sep 3 2017	02:50:50.7	6.82	-73.12	148	2.3	0.5	66	37	LOS SANTOS (SANTANDER)
102	Sep 3 2017	03:08:45.5	6.80	-73.13	147	1.5	0.3	239	10	LOS SANTOS (SANTANDER)
103	Sep 3 2017	03:43:21.1	6.07	-73.74	108	1.3	0.5	113	11	EL PENON (SANTANDER)
104	Sep 3 2017	04:25:38.5	5.69	-73.88	108	1.7	0.6	46	24	BRICENO (BOYACA)
105	Sep 3 2017	05:20: 6.4	6.80	-73.14	147	1.8	0.3	112	23	LOS SANTOS (SANTANDER)
106	Sep 3 2017	06:53:35.3	6.84	-73.12	133	1.3	0.5	138	12	LOS SANTOS (SANTANDER)
107	Sep 3 2017	07:07: 8.9	5.25	-73.71	152	2.6	0.6	58	40	CUCUNUBA (CUNDINAMARCA)
108	Sep 3 2017	07:19:41.9	7.14	-73.36	111	1.0	0.3	151	8	LEBRIJA (SANTANDER)
109	Sep 3 2017	07:37:11.8	6.87	-73.08	147	1.0	0.1	250	8	PIEDECUESTA (SANTANDER)
110	Sep 3 2017	08:09: 5.4	3.73	-75.98	146	1.8	0.4	149	15	GINEBRA (VALLE)
111	Sep 3 2017	08:36:39.4	6.78	-73.13	149	1.5	0.4	121	14	LOS SANTOS (SANTANDER)
112	Sep 3 2017	08:42:60.0	6.83	-73.13	147	1.7	0.3	155	19	LOS SANTOS (SANTANDER)
113	Sep 3 2017	08:57:54.6	6.77	-73.11	143	2.1	0.5	160	17	LOS SANTOS (SANTANDER)
114	Sep 3 2017	10:25:52.6	6.78	-73.08	145	1.3	0.2	242	8	LOS SANTOS (SANTANDER)
115	Sep 3 2017	10:55:37.1	6.80	-73.14	147	1.3	0.3	137	12	LOS SANTOS (SANTANDER)
116	Sep 3 2017	11:04:36.8	6.84	-73.03	142	1.1	0.1	252	7	CEPITA (SANTANDER)
117	Sep 3 2017	11:17:45.8	6.77	-73.10	141	1.5	0.5	117	22	LOS SANTOS (SANTANDER)
118	Sep 3 2017	11:20:36.5	6.47	-73.67	106	1.1	0.2	80	10	SANTA HELENA DEL OPO (SANTANDER)
119	Sep 3 2017	12:34:59.9	6.77	-73.12	140	1.7	0.3	115	18	LOS SANTOS (SANTANDER)
120	Sep 3 2017	12:45:57.4	7.23	-76.29	Sup	1.4	0.6	179	10	MUTATA (ANTIOQUIA)
121	Sep 3 2017	14:09:31.3	6.64	-73.41	112	1.4	0.4	134	14	EL CARMEN (SANTANDER)
122	Sep 3 2017	14:40:17.2	3.94	-75.56	Sup	1.4	0.4	91	19	RONCESVALLES (TOLIMA)
123	Sep 3 2017	17:15:16.3	9.76	-73.06	Sup	1.9	0.4	257	14	BECERRIL (CESAR)
124	Sep 3 2017	17:31:23.7	9.93	-73.56	Sup	2.1	0.6	142	12	BOSCONIA (CESAR)
125	Sep 3 2017	17:33: 4.7	11.16	-72.79	Sup	1.5	0.3	159	7	MANAURE BALCON CESAR (CESAR)
126	Sep 3 2017	17:44:33.4	4.65	-78.17	21	2.0	0.4	302	8	O. PACIFICO CENTRO
127	Sep 3 2017	17:53: 0.9	6.76	-73.16	135	1.5	0.4	135	13	LOS SANTOS (SANTANDER)
128	Sep 3 2017	18:05:24.8	6.74	-74.42	32	1.3	0.3	93	14	PUERTO BERRIO (ANTIOQUIA)
129	Sep 3 2017	19:13:40.6	6.75	-73.07	143	1.3	0.3	147	10	LOS SANTOS (SANTANDER)
130	Sep 3 2017	20:04:20.9	1.77	-76.28	Sup	2.1	0.4	100	24	SAN AGUSTIN (HUILA)
131	Sep 3 2017	20:08: 2.1	6.79	-73.13	147	1.2	0.2	138	8	LOS SANTOS (SANTANDER)
132	Sep 3 2017	20:32:60.0	6.81	-73.16	146	1.4	0.3	133	8	LOS SANTOS (SANTANDER)
133	Sep 3 2017	20:58:38.9	6.91	-72.70	106	1.1	0.1	199	6	CERRITO (SANTANDER)
134	Sep 3 2017	21:27:10.8	6.79	-73.06	142	1.0	0.2	148	7	LOS SANTOS (SANTANDER)
135	Sep 3 2017	21:38:41.6	8.48	-74.27	30	1.4	0.3	158	10	TIQUISIO (BOLIVAR)
136	Sep 3 2017	23:13:53.9	7.49	-74.97	Sup	2.1	0.5	95	26	ZARAGOZA (ANTIOQUIA)
137	Sep 3 2017	23:19:11.0	6.85	-73.29	119	1.6	0.3	109	15	ZAPATOCA (SANTANDER)
138	Sep 4 2017	00:34:13.7	6.82	-73.12	148	1.4	0.3	138	10	LOS SANTOS (SANTANDER)
139	Sep 4 2017	00:54:43.9	4.48	-73.46	Sup	1.3	0.5	87	19	MEDINA (CUNDINAMARCA)
140	Sep 4 2017	01:13: 7.3	6.24	-77.58	9	2.0	0.5	211	22	O. PACIFICO NORTE
141	Sep 4 2017	01:48:53.3	6.56	-73.52	111	2.0	0.4	66	32	EL CARMEN (SANTANDER)
142	Sep 4 2017	01:59:47.4	6.80	-73.14	143	1.2	0.4	137	10	LOS SANTOS (SANTANDER)
143	Sep 4 2017	02:07:56.9	6.76	-73.12	142	1.6	0.3	141	16	LOS SANTOS (SANTANDER)
144	Sep 4 2017	02:25:49.5	6.83	-73.15	149	1.2	0.4	133	12	LOS SANTOS (SANTANDER)
145	Sep 4 2017	02:36:37.0	5.85	-73.71	116	1.3	0.4	154	16	PUENTE NACIONAL (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
146	Sep 4 2017	02:43:55.0	3.69	-74.18	Sup	1.7	0.3	91	24	LEJANIAS (META)
147	Sep 4 2017	02:53:13.4	5.23	-73.69	140	1.5	0.5	100	14	CUCUNUBA (CUNDINAMARCA)
148	Sep 4 2017	03:14:42.9	6.74	-73.09	141	1.3	0.1	178	10	JORDAN (SANTANDER)
149	Sep 4 2017	03:23:14.6	8.02	-72.68	Sup	2.9	0.6	83	53	EL ZULIA (N.SANTANDER)
150	Sep 4 2017	03:29:50.9	6.07	-73.66	118	1.3	0.4	182	8	CHIPATA (SANTANDER)
151	Sep 4 2017	04:48:48.2	6.81	-73.17	147	1.4	0.5	133	14	LOS SANTOS (SANTANDER)
152	Sep 4 2017	05:08: 5.3	1.97	-75.89	Sup	1.2	0.2	157	7	TIMANA (HUILA)
153	Sep 4 2017	05:14: 8.0	6.75	-73.07	148	1.8	0.4	127	24	LOS SANTOS (SANTANDER)
154	Sep 4 2017	05:36: 2.3	6.83	-73.12	147	2.6	0.4	67	52	LOS SANTOS (SANTANDER)
155	Sep 4 2017	06:03:10.2	2.71	-75.08	Sup	1.3	0.3	196	14	RIVERA (HUILA)
156	Sep 4 2017	06:46:54.6	6.80	-73.14	148	1.7	0.3	112	22	LOS SANTOS (SANTANDER)
157	Sep 4 2017	06:52:58.3	6.80	-73.11	146	2.0	0.4	121	26	LOS SANTOS (SANTANDER)
158	Sep 4 2017	07:41:54.2	6.80	-73.14	148	1.8	0.4	111	24	LOS SANTOS (SANTANDER)
159	Sep 4 2017	08:00: 2.4	6.82	-73.14	150	2.4	0.7	74	46	LOS SANTOS (SANTANDER)
160	Sep 4 2017	08:38:23.6	6.49	-76.62	Sup	1.4	0.3	293	8	VIGIA DEL FUERTE (ANTIOQUIA)
161	Sep 4 2017	08:39:37.6	6.76	-73.20	146	1.4	0.4	229	8	ZAPATOCA (SANTANDER)
162	Sep 4 2017	08:42:16.5	6.78	-73.16	138	1.2	0.8	244	8	LOS SANTOS (SANTANDER)
163	Sep 4 2017	08:48:41.9	5.52	-72.52	19	1.6	0.5	93	20	LABRANZAGRANDE (BOYACA)
164	Sep 4 2017	09:12: 5.3	6.80	-73.15	142	2.2	0.4	65	40	LOS SANTOS (SANTANDER)
165	Sep 4 2017	10:28:44.2	6.77	-73.06	145	1.6	0.4	128	20	LOS SANTOS (SANTANDER)
166	Sep 4 2017	10:47:37.3	7.67	-74.54	29	1.7	0.4	140	15	EL BAGRE (ANTIOQUIA)
167	Sep 4 2017	10:48:29.2	5.36	-74.44	6	1.6	0.4	104	17	CAPARRAPI (CUNDINAMARCA)
168	Sep 4 2017	10:59:46.3	4.53	-75.71	Sup	3.4*	0.7	74	73	ARMENIA (QUINDIO)
169	Sep 4 2017	11:11:12.3	6.81	-73.14	143	2.3	0.4	104	40	LOS SANTOS (SANTANDER)
170	Sep 4 2017	11:13: 5.3	6.80	-73.13	145	1.7	0.4	101	23	LOS SANTOS (SANTANDER)
171	Sep 4 2017	11:42:55.3	6.81	-73.15	140	2.2	0.4	103	37	LOS SANTOS (SANTANDER)
172	Sep 4 2017	14:32:13.4	6.77	-73.13	138	2.1	0.5	98	26	LOS SANTOS (SANTANDER)
173	Sep 4 2017	14:52:25.7	7.46	-73.37	112	1.6	0.7	204	14	SABANA DE TORRES (SANTANDER)
174	Sep 4 2017	16:59:15.4	12.09	-74.35	19	2.0	0.9	259	9	MAR CARIBE
175	Sep 4 2017	17:20:36.8	6.68	-73.20	148	1.5	0.3	216	8	VILLANUEVA (SANTANDER)
176	Sep 4 2017	17:45:42.2	2.39	-75.63	12	1.7	0.4	83	15	GIGANTE (HUILA)
177	Sep 4 2017	18:16:51.2	7.63	-75.16	Sup	1.9	0.4	182	11	CACERES (ANTIOQUIA)
178	Sep 4 2017	18:44: 0.6	6.82	-73.15	148	3.2	0.4	64	61	LOS SANTOS (SANTANDER)
179	Sep 4 2017	20:22:38.1	6.81	-73.12	147	2.0	0.4	139	23	LOS SANTOS (SANTANDER)
180	Sep 4 2017	20:28:23.4	6.82	-73.14	156	5.0*	0.7	56	123	LOS SANTOS (SANTANDER)
181	Sep 4 2017	21:31: 6.3	5.62	-74.35	82	1.9	0.4	67	25	LA VICTORIA (BOYACA)
182	Sep 5 2017	00:27:21.4	6.75	-73.12	144	2.0	0.3	115	23	LOS SANTOS (SANTANDER)
183	Sep 5 2017	01:04:38.1	6.85	-73.48	124	1.9	0.2	285	7	SAN VICENTE DE CHUCURI (SANTANDER)
184	Sep 5 2017	01:47: 1.0	4.86	-76.29	106	2.5	0.6	164	30	SAN JOSE DEL PALMAR (CHOCO)
185	Sep 5 2017	02:10:16.3	3.43	-74.24	Sup	1.9	0.5	80	25	MESETAS (META)
186	Sep 5 2017	02:44:35.2	5.26	-73.72	147	2.9	0.4	55	56	CUCUNUBA (CUNDINAMARCA)
187	Sep 5 2017	04:02:47.4	6.79	-73.15	139	2.1	0.5	111	40	LOS SANTOS (SANTANDER)
188	Sep 5 2017	04:05:18.2	6.13	-72.39	Sup	1.2	0.8	265	10	LA SALINA (CASANARE)
189	Sep 5 2017	04:06:42.6	6.79	-73.13	147	1.4	0.3	139	10	LOS SANTOS (SANTANDER)
190	Sep 5 2017	04:32: 7.6	5.07	-77.61	30	2.0	0.6	205	28	O. PACIFICO CENTRO
191	Sep 5 2017	04:48:19.7	6.80	-73.14	147	1.8	0.3	112	24	LOS SANTOS (SANTANDER)
192	Sep 5 2017	04:53:30.8	6.76	-73.12	147	1.9	0.3	115	28	LOS SANTOS (SANTANDER)
193	Sep 5 2017	05:04:25.9	6.80	-73.14	148	2.5	0.5	66	54	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
194	Sep 5 2017	05:12:31.2	2.47	-75.51	8	1.3	0.4	74	14	GIGANTE (HUILA)
195	Sep 5 2017	05:31:36.0	3.70	-75.59	Sup	1.6	0.4	46	20	CHAPARRAL (TOLIMA)
196	Sep 5 2017	05:50:31.9	6.71	-73.16	146	1.1	0.4	229	9	VILLANUEVA (SANTANDER)
197	Sep 5 2017	05:54:29.9	8.70	-73.20	128	2.0	0.4	150	30	EL TARRA (N.SANTANDER)
198	Sep 5 2017	06:04:20.5	6.95	-73.50	107	1.1	0.4	193	8	SAN VICENTE DE CHUCURI (SANTANDER)
199	Sep 5 2017	06:30:29.4	6.30	-74.36	17	0.8	0.7	176	8	PUERTO BERRIO (ANTIOQUIA)
200	Sep 5 2017	06:35:55.8	6.78	-73.16	149	1.3	0.5	234	12	LOS SANTOS (SANTANDER)
201	Sep 5 2017	06:41: 9.8	6.78	-73.13	144	1.7	0.4	138	18	LOS SANTOS (SANTANDER)
202	Sep 5 2017	06:55:56.2	6.74	-73.11	143	1.3	0.3	236	12	LOS SANTOS (SANTANDER)
203	Sep 5 2017	07:06:53.5	6.79	-73.14	144	1.8	0.5	137	20	LOS SANTOS (SANTANDER)
204	Sep 5 2017	07:41:13.3	6.80	-73.09	147	1.5	0.4	243	10	LOS SANTOS (SANTANDER)
205	Sep 5 2017	08:09:47.7	6.76	-73.12	151	1.5	0.4	141	12	LOS SANTOS (SANTANDER)
206	Sep 5 2017	08:29:53.6	10.14	-72.62	Sup	2.2	0.5	160	20	FRONTERA CON VENEZUELA
207	Sep 5 2017	08:32:51.1	6.80	-73.14	146	1.2	0.3	137	9	LOS SANTOS (SANTANDER)
208	Sep 5 2017	08:37:57.9	1.16	-77.42	19	3.3*	0.1	290	51	VOLCAN GALERAS)
209	Sep 5 2017	09:16:18.4	4.78	-74.67	Sup	1.2	0.5	205	10	BELTRAN (CUNDINAMARCA)
210	Sep 5 2017	09:41:31.7	4.73	-76.15	93	2.3	0.4	122	46	ARGELIA (VALLE)
211	Sep 5 2017	10:14:10.2	6.76	-73.10	143	1.2	0.2	143	12	LOS SANTOS (SANTANDER)
212	Sep 5 2017	10:21:14.7	6.89	-73.01	170	1.1	0.2	148	9	PIEDRECUESTA (SANTANDER)
213	Sep 5 2017	11:37:50.8	2.97	-77.94	8	2.3	0.5	163	19	O. PACIFICO SUR
214	Sep 5 2017	11:38:36.6	6.44	-75.11	Sup	1.5	0.6	135	8	SANTO DOMINGO (ANTIOQUIA)
215	Sep 5 2017	11:55:36.2	7.47	-73.12	137	2.1	0.4	197	22	EL PLAYON (SANTANDER)
216	Sep 5 2017	12:22:34.9	6.74	-73.06	137	0.9	0.3	150	8	JORDAN (SANTANDER)
217	Sep 5 2017	12:33: 8.6	6.76	-72.96	141	1.2	0.4	162	8	CEPITA (SANTANDER)
218	Sep 5 2017	13:11:42.9	2.54	-75.40	24	1.9	0.7	90	17	HOBO (HUILA)
219	Sep 5 2017	13:58:34.6	6.84	-73.17	144	1.5	0.3	187	10	ZAPATOCA (SANTANDER)
220	Sep 5 2017	14:08: 2.9	6.77	-73.10	143	2.1	0.4	116	26	LOS SANTOS (SANTANDER)
221	Sep 5 2017	15:10:49.7	7.24	-73.37	111	1.5	0.2	162	10	SABANA DE TORRES (SANTANDER)
222	Sep 5 2017	15:23:56.0	6.82	-73.29	119	2.1	0.4	105	23	ZAPATOCA (SANTANDER)
223	Sep 5 2017	16:28:14.5	7.18	-76.86	24	1.4	0.1	121	9	MURINDO (ANTIOQUIA)
224	Sep 5 2017	16:34:46.2	2.89	-77.99	18	2.0	0.5	164	12	O. PACIFICO SUR
225	Sep 5 2017	17:52:45.0	5.91	-74.87	Sup	1.2	0.8	93	12	SAN LUIS (ANTIOQUIA)
226	Sep 5 2017	18:02: 8.7	6.75	-73.12	142	1.2	0.2	142	8	LOS SANTOS (SANTANDER)
227	Sep 5 2017	18:05: 9.0	4.77	-76.20	101	2.0	0.4	93	22	EL CAIRO (VALLE)
228	Sep 5 2017	18:29:25.2	3.39	-76.56	58	1.8	0.4	62	26	CALI (VALLE)
229	Sep 5 2017	18:31: 1.4	5.07	-72.96	Sup	1.9	0.6	81	21	PAEZ (BOYACA)
230	Sep 5 2017	19:20:41.8	6.78	-73.14	140	1.8	0.4	112	18	LOS SANTOS (SANTANDER)
231	Sep 5 2017	20:29: 9.2	6.77	-73.13	144	1.8	0.4	139	17	LOS SANTOS (SANTANDER)
232	Sep 5 2017	20:55:45.5	6.77	-73.11	144	1.7	0.4	116	16	LOS SANTOS (SANTANDER)
233	Sep 5 2017	21:04:37.7	3.53	-76.12	Sup	1.3	0.5	94	10	PRADERA (VALLE)
234	Sep 5 2017	21:57:28.1	6.27	-74.68	Sup	1.4	0.3	196	10	PUERTO NARE (ANTIOQUIA)
235	Sep 5 2017	22:02:24.9	3.85	-71.44	Sup	2.3	0.6	230	19	PUERTO GAITAN (META)
236	Sep 5 2017	22:02:24.9	3.85	-71.44	Sup	2.3	0.6	230	19	PUERTO GAITAN (META)
237	Sep 5 2017	22:22: 1.8	6.80	-73.40	122	1.4	0.2	177	7	SAN VICENTE DE CHUCURI (SANTANDER)
238	Sep 5 2017	22:59:58.6	8.41	-73.29	118	2.0	0.2	272	10	TEORAMA (N.SANTANDER)
239	Sep 5 2017	23:01: 3.1	5.98	-72.62	Sup	1.4	0.2	262	6	SOCOTA (BOYACA)
240	Sep 5 2017	23:30: 3.4	3.41	-76.41	69	1.1	0.4	133	11	CANDELARIA (VALLE)
241	Sep 5 2017	23:44: 4.6	6.80	-73.10	143	1.7	0.5	115	22	LOS SANTOS (SANTANDER)
242	Sep 6 2017	00:23:23.0	2.07	-77.21	115	1.5	0.2	178	8	BALBOA (CAUCA)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
243	Sep 6 2017	01:02:17.7	8.43	-74.17	74	1.7	0.1	161	10	TIQUISIO (BOLIVAR)
244	Sep 6 2017	01:15:20.0	5.24	-73.73	147	2.0	0.5	55	35	CUCUNUBA (CUNDINAMARCA)
245	Sep 6 2017	01:46:27.6	6.76	-73.38	113	1.6	0.4	94	18	SAN VICENTE DE CHUCURI (SANTANDER)
246	Sep 6 2017	02:42:34.3	6.67	-74.79	7	1.0	0.2	188	7	YALI (ANTIOQUIA)
247	Sep 6 2017	02:46:24.7	2.82	-79.46	12	2.3	0.3	303	16	O. PACIFICO SUR
248	Sep 6 2017	02:46:44.9	6.76	-73.10	138	1.9	0.5	143	18	LOS SANTOS (SANTANDER)
249	Sep 6 2017	02:51: 3.3	6.71	-73.19	142	1.3	0.4	225	9	VILLANUEVA (SANTANDER)
250	Sep 6 2017	03:18:28.3	6.83	-73.15	148	2.9	0.6	65	65	LOS SANTOS (SANTANDER)
251	Sep 6 2017	05:18:42.8	7.66	-74.16	11	1.4	0.5	206	10	SAN PABLO (BOLIVAR)
252	Sep 6 2017	05:51:13.3	6.76	-73.12	142	2.0	0.3	96	30	LOS SANTOS (SANTANDER)
253	Sep 6 2017	06:13:37.1	6.53	-73.52	107	1.8	0.6	67	22	EL CARMEN (SANTANDER)
254	Sep 6 2017	06:36: 4.3	2.66	-74.33	Sup	1.3	0.6	94	13	URIBE (META)
255	Sep 6 2017	07:55: 2.5	6.75	-73.15	151	1.2	0.3	232	8	LOS SANTOS (SANTANDER)
256	Sep 6 2017	08:02:40.7	2.49	-75.48	10	1.3	0.7	79	16	HOBO (HUILA)
257	Sep 6 2017	10:05:18.5	3.87	-75.50	Sup	1.2	0.3	143	9	SAN ANTONIO (TOLIMA)
258	Sep 6 2017	10:09: 5.4	6.86	-72.99	126	1.2	0.3	153	8	CEPITA (SANTANDER)
259	Sep 6 2017	10:13:57.3	2.91	-74.80	Sup	1.4	0.4	135	12	BARAYA (HUILA)
260	Sep 6 2017	11:18: 7.0	5.90	-74.40	Sup	1.5	0.7	60	24	PUERTO BOYACA (BOYACA)
261	Sep 6 2017	11:58: 6.2	6.71	-73.13	139	1.5	0.4	232	8	JORDAN (SANTANDER)
262	Sep 6 2017	13:28: 3.2	3.54	-76.26	130	1.6	0.4	119	18	PALMIRA (VALLE)
263	Sep 6 2017	14:23:10.0	6.74	-73.11	142	1.4	0.4	144	9	LOS SANTOS (SANTANDER)
264	Sep 6 2017	15:08:51.7	6.78	-73.08	151	1.5	0.3	145	11	LOS SANTOS (SANTANDER)
265	Sep 6 2017	16:37:46.3	6.79	-73.15	147	1.8	0.4	136	14	LOS SANTOS (SANTANDER)
266	Sep 6 2017	18:44:51.2	6.83	-73.14	144	3.5	0.5	56	84	LOS SANTOS (SANTANDER)
267	Sep 6 2017	19:52:37.3	6.79	-73.10	138	1.8	0.5	116	19	LOS SANTOS (SANTANDER)
268	Sep 6 2017	20:11: 6.0	5.07	-74.62	29	0.9	0.1	218	7	GUADUAS (CUNDINAMARCA)
269	Sep 6 2017	20:46:52.4	9.87	-75.34	30	2.5	0.5	176	28	MARIA LA BAJA (BOLIVAR)
270	Sep 6 2017	22:19:58.1	6.78	-73.08	132	1.2	0.3	174	7	LOS SANTOS (SANTANDER)
271	Sep 6 2017	22:20: 5.1	6.76	-73.04	148	1.6	0.4	154	12	LOS SANTOS (SANTANDER)
272	Sep 6 2017	22:39:12.4	6.83	-73.15	151	2.9	0.6	64	67	LOS SANTOS (SANTANDER)
273	Sep 6 2017	23:24:59.9	6.77	-73.16	140	1.2	0.2	135	6	LOS SANTOS (SANTANDER)
274	Sep 6 2017	23:29:10.4	6.79	-73.13	147	1.6	0.3	139	19	LOS SANTOS (SANTANDER)
275	Sep 6 2017	23:30:28.2	6.76	-73.11	148	1.8	0.3	123	20	LOS SANTOS (SANTANDER)
276	Sep 7 2017	02:00:54.1	7.25	-76.29	Sup	1.7	0.6	168	20	MUTATA (ANTIOQUIA)
277	Sep 7 2017	02:18:14.5	6.82	-73.07	137	1.2	0.4	247	8	LOS SANTOS (SANTANDER)
278	Sep 7 2017	02:48:50.2	7.03	-73.35	118	1.1	0.5	143	8	BETULIA (SANTANDER)
279	Sep 7 2017	04:07:41.7	5.83	-73.73	125	1.1	0.5	119	8	JESUS MARIA (SANTANDER)
280	Sep 7 2017	04:16:43.8	6.78	-73.12	146	1.6	0.3	141	13	LOS SANTOS (SANTANDER)
281	Sep 7 2017	04:33:13.6	4.86	-73.62	Sup	1.6	0.7	157	20	GACHETA (CUNDINAMARCA)
282	Sep 7 2017	04:45:14.9	4.45	-73.30	Sup	1.0	0.4	127	9	MEDINA (CUNDINAMARCA)
283	Sep 7 2017	05:43:52.9	10.84	-73.65	68	1.0	0.4	123	8	PUEBLO BELLO (CESAR)
284	Sep 7 2017	07:06:57.7	6.77	-73.13	142	1.7	0.3	113	22	LOS SANTOS (SANTANDER)
285	Sep 7 2017	07:20:32.4	4.64	-74.79	Sup	2.1	0.5	68	42	PULI (CUNDINAMARCA)
286	Sep 7 2017	07:27:19.2	6.74	-73.10	141	1.3	0.3	118	11	JORDAN (SANTANDER)
287	Sep 7 2017	07:44:35.5	11.55	-77.46	18	2.3	0.5	152	16	MAR CARIBE
288	Sep 7 2017	07:50:11.3	6.77	-73.12	141	1.4	0.3	140	10	LOS SANTOS (SANTANDER)
289	Sep 7 2017	08:05:49.6	6.41	-73.17	210	1.5	0.2	231	9	PARAMO (SANTANDER)
290	Sep 7 2017	09:33:27.4	3.60	-76.31	12	1.3	0.4	133	16	PALMIRA (VALLE)
291	Sep 7 2017	09:42:59.2	7.47	-75.34	27	1.6	0.4	128	18	CACERES (ANTIOQUIA)
292	Sep 7 2017	11:38:37.9	7.03	-73.30	117	1.7	0.2	136	13	LEBRIJA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
293	Sep 7 2017	11:51:20.2	6.76	-73.13	136	1.7	0.5	140	16	LOS SANTOS (SANTANDER)
294	Sep 7 2017	12:04:34.3	6.04	-73.53	116	1.4	0.4	137	10	SAN JOSE DE PARE (BOYACA)
295	Sep 7 2017	12:05:34.9	4.12	-76.33	126	1.4	0.4	200	10	RIOFRIO (VALLE)
296	Sep 7 2017	12:43:25.0	3.26	-74.38	Sup	2.0	0.4	115	31	URIBE (META)
297	Sep 7 2017	13:28:58.9	3.94	-76.22	108	1.7	0.4	76	24	SAN PEDRO (VALLE)
298	Sep 7 2017	14:04:48.7	6.79	-73.05	135	1.4	0.5	247	8	LOS SANTOS (SANTANDER)
299	Sep 7 2017	16:44:24.8	6.77	-73.12	146	1.2	0.4	141	10	LOS SANTOS (SANTANDER)
300	Sep 7 2017	17:23:45.1	6.77	-73.17	139	1.7	0.1	134	8	LOS SANTOS (SANTANDER)
301	Sep 7 2017	17:57:53.3	6.74	-73.13	144	1.7	0.4	140	18	LOS SANTOS (SANTANDER)
302	Sep 7 2017	18:04:28.1	5.61	-73.94	108	1.5	0.4	96	20	PAUNA (BOYACA)
303	Sep 7 2017	19:12:39.6	6.74	-73.19	135	1.4	0.2	132	9	VILLANUEVA (SANTANDER)
304	Sep 7 2017	19:13:28.9	6.77	-73.12	139	1.3	0.5	140	9	LOS SANTOS (SANTANDER)
305	Sep 7 2017	19:15:39.1	6.78	-73.09	149	2.3	0.4	117	29	LOS SANTOS (SANTANDER)
306	Sep 7 2017	19:44:37.5	6.81	-73.15	138	1.6	0.4	135	14	LOS SANTOS (SANTANDER)
307	Sep 7 2017	21:23: 8.3	3.21	-78.66	Sup	3.0	0.8	222	51	O. PACIFICO SUR
308	Sep 7 2017	21:58: 2.8	4.15	-76.81	71	1.4	0.3	140	13	BUENAVENTURA (VALLE)
309	Sep 7 2017	22:08: 5.8	7.51	-72.93	154	1.7	0.5	217	14	SURATA (SANTANDER)
310	Sep 7 2017	22:23:16.3	6.77	-73.10	141	1.3	0.4	143	10	LOS SANTOS (SANTANDER)
311	Sep 7 2017	23:49: 9.2	6.75	-72.96	148	1.2	0.4	163	8	CEPITA (SANTANDER)
312	Sep 7 2017	23:56:35.2	7.06	-73.44	109	1.0	0.3	142	9	SAN VICENTE DE CHUCURI (SANTANDER)
313	Sep 8 2017	00:18:32.6	6.76	-73.10	141	1.4	0.3	143	9	LOS SANTOS (SANTANDER)
314	Sep 8 2017	00:34:14.6	3.83	-76.79	93	1.8	0.4	97	20	DAGUA (VALLE)
315	Sep 8 2017	03:12:56.6	6.78	-73.12	150	1.4	0.4	239	9	LOS SANTOS (SANTANDER)
316	Sep 8 2017	03:24:36.9	4.80	-73.55	Sup	1.1	0.7	167	9	UBALA (CUNDINAMARCA)
317	Sep 8 2017	03:37:38.7	5.67	-76.38	61	1.7	0.5	189	14	LLORO (CHOCO)
318	Sep 8 2017	03:44: 8.5	6.76	-73.13	144	1.1	0.2	236	7	LOS SANTOS (SANTANDER)
319	Sep 8 2017	04:26:45.1	6.75	-73.12	147	1.2	0.4	142	10	LOS SANTOS (SANTANDER)
320	Sep 8 2017	05:28:24.1	6.83	-73.31	117	1.5	0.4	207	8	ZAPATOCA (SANTANDER)
321	Sep 8 2017	05:32:15.5	6.77	-73.09	144	1.5	0.3	144	10	LOS SANTOS (SANTANDER)
322	Sep 8 2017	05:33: 0.6	6.84	-73.03	149	1.4	0.3	149	10	CEPITA (SANTANDER)
323	Sep 8 2017	05:56:15.2	2.00	-76.09	Sup	1.6	0.5	109	18	SALADOBLANCO (HUILA)
324	Sep 8 2017	06:00:40.2	6.81	-73.11	146	2.1	0.5	115	27	LOS SANTOS (SANTANDER)
325	Sep 8 2017	06:14:37.3	6.83	-73.08	146	1.2	0.4	142	9	LOS SANTOS (SANTANDER)
326	Sep 8 2017	06:21:34.8	8.75	-73.41	111	1.2	0.4	145	15	EL CARMEN (N.SANTANDER)
327	Sep 8 2017	06:34:44.2	6.65	-73.18	142	1.5	0.2	137	14	VILLANUEVA (SANTANDER)
328	Sep 8 2017	07:23: 0.8	6.81	-73.12	146	1.1	0.3	138	10	LOS SANTOS (SANTANDER)
329	Sep 8 2017	07:26:30.6	6.79	-73.18	140	1.1	0.1	131	9	ZAPATOCA (SANTANDER)
330	Sep 8 2017	07:52:47.9	6.13	-72.87	Sup	2.5	0.7	138	33	TUTAZA (BOYACA)
331	Sep 8 2017	08:22:10.7	6.76	-73.12	142	1.6	0.2	141	12	LOS SANTOS (SANTANDER)
332	Sep 8 2017	08:57:19.8	6.78	-76.92	32	1.6	0.3	209	10	VIGIA DEL FUERTE (ANTIOQUIA)
333	Sep 8 2017	10:17: 7.1	5.93	-73.75	110	1.5	0.2	86	10	SUCRE (SANTANDER)
334	Sep 8 2017	10:20:27.4	5.30	-74.50	18	1.0	0.4	180	12	CAPARRAPI (CUNDINAMARCA)
335	Sep 8 2017	10:32: 7.2	5.28	-72.83	Sup	2.5	0.5	73	51	CHAMEZA (CASANARE)
336	Sep 8 2017	10:35:13.2	6.78	-73.14	140	1.2	0.4	138	8	LOS SANTOS (SANTANDER)
337	Sep 8 2017	11:19:49.9	4.31	-76.85	16	1.2	0.4	293	8	SIPI (CHOCO)
338	Sep 8 2017	11:29: 2.3	6.57	-73.17	20	2.0	0.5	141	16	PINCHOTE (SANTANDER)
339	Sep 8 2017	12:23:24.9	5.30	-73.78	141	1.2	0.2	171	8	UBATE (CUNDINAMARCA)
340	Sep 8 2017	12:31:59.9	6.75	-73.11	141	1.2	0.3	143	9	LOS SANTOS (SANTANDER)
341	Sep 8 2017	12:37: 0.7	6.77	-73.11	138	1.3	0.3	142	10	LOS SANTOS (SANTANDER)
342	Sep 8 2017	14:11: 0.0	6.78	-73.14	145	1.4	0.4	138	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
343	Sep 8 2017	15:03: 7.8	6.86	-76.18	Sup	1.8	0.4	169	9	URAMITA (ANTIOQUIA)
344	Sep 8 2017	15:05:59.4	2.43	-75.49	7	1.3	0.2	155	12	GIGANTE (HUILA)
345	Sep 8 2017	15:12:16.7	5.27	-73.74	144	3.8*	0.6	54	80	CUCUNUBA (CUNDINAMARCA)
346	Sep 8 2017	15:16:23.8	5.93	-75.81	6	1.3	0.1	158	8	TARSO (ANTIOQUIA)
347	Sep 8 2017	16:03:59.4	6.81	-73.16	139	1.6	0.4	134	12	LOS SANTOS (SANTANDER)
348	Sep 8 2017	16:51: 0.7	5.70	-74.22	35	2.3	0.4	47	42	OTANCHE (BOYACA)
349	Sep 8 2017	16:58:27.5	6.75	-73.12	149	1.7	0.4	141	13	LOS SANTOS (SANTANDER)
350	Sep 8 2017	17:39: 1.3	6.57	-73.36	116	1.2	0.3	144	8	HATO (SANTANDER)
351	Sep 8 2017	17:43: 3.9	6.84	-73.25	125	1.2	0.3	209	10	ZAPATOCA (SANTANDER)
352	Sep 8 2017	18:03:51.0	7.39	-73.18	135	1.6	0.4	183	10	EL PLAYON (SANTANDER)
353	Sep 8 2017	19:24:24.5	6.79	-73.15	139	0.8	0.3	136	8	LOS SANTOS (SANTANDER)
354	Sep 8 2017	19:35:15.8	6.78	-73.14	151	1.5	0.2	138	8	LOS SANTOS (SANTANDER)
355	Sep 8 2017	20:04:42.6	6.80	-73.12	149	1.6	0.4	140	14	LOS SANTOS (SANTANDER)
356	Sep 8 2017	20:34:52.5	6.80	-73.11	148	1.7	0.3	140	17	LOS SANTOS (SANTANDER)
357	Sep 8 2017	21:22:29.7	6.82	-73.13	151	1.7	0.3	112	16	LOS SANTOS (SANTANDER)
358	Sep 8 2017	21:25:32.4	6.59	-73.41	121	1.9	0.3	74	24	HATO (SANTANDER)
359	Sep 8 2017	21:27:36.6	6.81	-73.14	145	2.1	0.5	112	24	LOS SANTOS (SANTANDER)
360	Sep 8 2017	22:26: 8.6	1.88	-75.99	Sup	2.1	0.6	113	24	PITALITO (HUILA)
361	Sep 8 2017	22:30:38.1	6.80	-73.13	149	1.4	0.2	137	8	LOS SANTOS (SANTANDER)
362	Sep 9 2017	03:17: 4.1	3.75	-76.84	Sup	1.5	0.4	136	12	DAGUA (VALLE)
363	Sep 9 2017	03:55:14.7	6.80	-73.10	149	2.0	0.4	116	30	LOS SANTOS (SANTANDER)
364	Sep 9 2017	04:12:14.0	5.34	-75.96	80	1.5	0.4	139	12	MISTRATO (RISARALDA)
365	Sep 9 2017	05:06:43.4	7.09	-75.27	Sup	3.1	0.7	44	53	CAMPAMENTO (ANTIOQUIA)
366	Sep 9 2017	06:00:30.9	6.80	-73.13	146	2.1	0.4	112	30	LOS SANTOS (SANTANDER)
367	Sep 9 2017	06:03:19.2	7.08	-75.29	12	1.8	0.4	74	24	CAMPAMENTO (ANTIOQUIA)
368	Sep 9 2017	06:09:43.0	6.55	-73.52	133	1.1	0.3	94	12	EL CARMEN (SANTANDER)
369	Sep 9 2017	06:13:12.2	6.77	-73.12	146	1.5	0.2	140	12	LOS SANTOS (SANTANDER)
370	Sep 9 2017	06:50:10.9	4.79	-76.24	105	1.3	0.2	156	10	EL CAIRO (VALLE)
371	Sep 9 2017	06:59:25.8	6.32	-74.39	23	1.1	0.5	75	13	PUERTO BERRIO (ANTIOQUIA)
372	Sep 9 2017	08:16:40.0	6.77	-73.12	140	1.3	0.4	141	12	LOS SANTOS (SANTANDER)
373	Sep 9 2017	09:53:34.7	6.80	-73.10	146	1.4	0.3	141	12	LOS SANTOS (SANTANDER)
374	Sep 9 2017	10:03:38.6	6.79	-73.16	145	2.0	0.4	110	28	LOS SANTOS (SANTANDER)
375	Sep 9 2017	10:08:58.1	7.20	-76.02	41	1.5	0.1	176	8	PEQUE (ANTIOQUIA)
376	Sep 9 2017	10:25:40.0	6.75	-73.15	151	1.1	0.2	138	9	LOS SANTOS (SANTANDER)
377	Sep 9 2017	10:39:23.9	6.79	-73.13	142	2.4	0.4	100	41	LOS SANTOS (SANTANDER)
378	Sep 9 2017	11:05: 2.6	6.78	-73.14	146	2.1	0.4	137	17	LOS SANTOS (SANTANDER)
379	Sep 9 2017	11:19:15.2	6.81	-74.81	26	1.3	0.2	101	12	VEGACHI (ANTIOQUIA)
380	Sep 9 2017	11:36:20.1	5.27	-73.75	135	1.3	0.5	131	12	CUCUNUBA (CUNDINAMARCA)
381	Sep 9 2017	12:03:33.0	6.78	-73.17	139	1.9	0.3	209	20	LOS SANTOS (SANTANDER)
382	Sep 9 2017	13:38:49.4	6.78	-73.16	148	1.2	0.3	135	8	LOS SANTOS (SANTANDER)
383	Sep 9 2017	16:15:31.0	6.78	-73.12	142	1.4	0.3	140	10	LOS SANTOS (SANTANDER)
384	Sep 9 2017	16:40:32.8	6.82	-73.12	143	2.2	0.5	113	40	LOS SANTOS (SANTANDER)
385	Sep 9 2017	16:56: 3.6	6.77	-73.13	143	1.5	0.4	139	9	LOS SANTOS (SANTANDER)
386	Sep 9 2017	17:42:27.4	6.79	-73.15	145	2.3	0.5	100	43	LOS SANTOS (SANTANDER)
387	Sep 9 2017	18:22:37.9	6.84	-73.30	120	1.6	0.3	107	13	ZAPATOCA (SANTANDER)
388	Sep 9 2017	19:27:20.2	6.80	-73.13	145	1.4	0.3	137	11	LOS SANTOS (SANTANDER)
389	Sep 9 2017	19:46:20.8	6.79	-73.14	144	2.7	0.5	66	60	LOS SANTOS (SANTANDER)
390	Sep 9 2017	19:55:44.8	6.79	-73.14	142	1.4	0.3	112	10	LOS SANTOS (SANTANDER)
391	Sep 9 2017	20:23:25.9	6.80	-73.14	145	2.1	0.4	112	28	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
392	Sep 9 2017	21:44:17.1	7.35	-73.53	111	1.4	0.4	174	9	SABANA DE TORRES (SANTANDER)
393	Sep 9 2017	22:22:31.7	6.94	-76.16	Sup	1.8	0.6	144	21	URAMITA (ANTIOQUIA)
394	Sep 9 2017	22:38: 2.5	6.78	-73.31	127	1.3	0.2	99	9	ZAPATOCA (SANTANDER)
395	Sep 9 2017	23:01:45.6	6.75	-73.13	145	2.1	0.4	122	27	LOS SANTOS (SANTANDER)
396	Sep 9 2017	23:11:40.7	3.74	-76.68	79	1.2	0.3	124	6	DAGUA (VALLE)
397	Sep 9 2017	23:40:49.4	6.34	-73.71	51	2.0	0.4	79	25	SANTA HELENA DEL OPO (SANTANDER)
398	Sep 10 2017	00:29: 0.2	6.75	-73.05	142	1.8	0.5	151	16	LOS SANTOS (SANTANDER)
399	Sep 10 2017	00:58:17.7	5.91	-74.05	87	1.3	0.4	95	12	LA BELLEZA (SANTANDER)
400	Sep 10 2017	01:01:48.6	6.76	-73.07	139	1.3	0.3	148	8	LOS SANTOS (SANTANDER)
401	Sep 10 2017	01:02:31.9	6.81	-73.07	145	1.4	0.3	246	8	LOS SANTOS (SANTANDER)
402	Sep 10 2017	01:10:51.4	6.83	-72.96	154	1.2	0.4	160	10	CEPITA (SANTANDER)
403	Sep 10 2017	01:53:24.2	6.81	-72.98	142	2.7	0.3	253	8	CEPITA (SANTANDER)
404	Sep 10 2017	02:20:49.2	6.77	-73.12	143	1.3	0.3	140	9	LOS SANTOS (SANTANDER)
405	Sep 10 2017	04:20:10.1	6.79	-73.16	145	1.6	0.3	110	18	LOS SANTOS (SANTANDER)
406	Sep 10 2017	04:20:23.0	4.90	-76.08	110	1.6	0.5	93	24	EL AGUILA (VALLE)
407	Sep 10 2017	05:22:21.4	6.67	-76.26	Sup	1.3	0.5	165	15	FRONTINO (ANTIOQUIA)
408	Sep 10 2017	05:24:56.9	6.78	-73.10	146	1.6	0.3	142	16	LOS SANTOS (SANTANDER)
409	Sep 10 2017	05:31:50.9	3.89	-76.31	117	1.4	0.3	135	10	BUGA (VALLE)
410	Sep 10 2017	06:22: 8.1	4.67	-76.21	120	2.2	0.3	147	14	EL CAIRO (VALLE)
411	Sep 10 2017	07:47:18.0	8.09	-75.16	15	1.6	0.6	132	23	CAUCASIA (ANTIOQUIA)
412	Sep 10 2017	08:00:46.6	6.14	-73.60	121	0.9	0.3	130	8	LA PAZ (SANTANDER)
413	Sep 10 2017	08:06:31.3	2.79	-76.92	110	1.6	0.5	174	23	SUAREZ (CAUCA)
414	Sep 10 2017	08:16:17.7	6.75	-73.08	142	1.7	0.4	147	10	LOS SANTOS (SANTANDER)
415	Sep 10 2017	09:50:44.7	6.77	-73.18	137	1.4	0.5	133	14	LOS SANTOS (SANTANDER)
416	Sep 10 2017	10:23:40.5	6.54	-74.19	18	1.1	0.6	83	12	PUERTO PARRA (SANTANDER)
417	Sep 10 2017	10:27:29.6	6.77	-73.12	138	1.5	0.4	141	14	LOS SANTOS (SANTANDER)
418	Sep 10 2017	10:37:56.4	6.46	-73.84	28	0.8	0.2	245	8	CIMITARRA (SANTANDER)
419	Sep 10 2017	10:46:31.0	3.88	-76.22	110	2.8	0.6	61	69	BUGA (VALLE)
420	Sep 10 2017	10:57:20.4	6.76	-73.16	147	1.4	0.4	136	11	LOS SANTOS (SANTANDER)
421	Sep 10 2017	11:48:24.5	6.80	-73.14	138	2.5	0.5	112	39	LOS SANTOS (SANTANDER)
422	Sep 10 2017	13:29: 6.7	6.81	-73.10	143	1.5	0.4	243	11	LOS SANTOS (SANTANDER)
423	Sep 10 2017	13:43:24.0	6.83	-73.09	136	1.5	0.5	141	9	LOS SANTOS (SANTANDER)
424	Sep 10 2017	15:00:13.4	6.08	-73.78	104	1.4	0.4	164	10	EL PENON (SANTANDER)
425	Sep 10 2017	15:17:45.0	1.52	-73.78	Sup	2.2	0.5	209	15	LA MACARENA (META)
426	Sep 10 2017	15:31:29.7	4.88	-76.16	106	1.1	0.2	148	8	SAN JOSE DEL PALMAR (CHOCO)
427	Sep 10 2017	16:53:55.9	1.65	-76.80	Sup	1.7	0.5	138	15	LA CRUZ (NARIÑO)
428	Sep 10 2017	17:01:49.0	6.79	-73.14	134	2.1	0.5	112	33	LOS SANTOS (SANTANDER)
429	Sep 10 2017	17:57:20.3	6.81	-73.09	149	1.9	0.3	116	20	LOS SANTOS (SANTANDER)
430	Sep 10 2017	18:22: 4.9	3.96	-76.57	73	2.2	0.4	103	31	CALIMA (VALLE)
431	Sep 10 2017	19:17:33.0	10.70	-73.72	60	1.9	0.4	107	14	PUEBLO BELLO (CESAR)
432	Sep 10 2017	19:45:15.4	6.72	-73.14	154	1.4	0.3	231	9	JORDAN (SANTANDER)
433	Sep 10 2017	20:19: 5.6	6.86	-76.34	Sup	1.8	0.8	185	18	DABEIBA (ANTIOQUIA)
434	Sep 10 2017	21:11:34.6	2.70	-74.97	11	1.5	0.4	95	15	RIVERA (HUILA)
435	Sep 10 2017	21:30:58.2	6.84	-73.30	121	2.1	0.4	58	34	ZAPATOCA (SANTANDER)
436	Sep 10 2017	21:36: 3.4	6.83	-73.13	151	3.2	0.6	56	85	LOS SANTOS (SANTANDER)
437	Sep 10 2017	21:45:20.5	6.75	-73.12	141	1.8	0.3	141	20	LOS SANTOS (SANTANDER)
438	Sep 10 2017	22:11: 6.4	6.78	-73.11	145	1.6	0.4	141	17	LOS SANTOS (SANTANDER)
439	Sep 10 2017	22:22:13.5	6.79	-73.13	143	1.6	0.4	138	10	LOS SANTOS (SANTANDER)
440	Sep 10 2017	23:30:39.0	6.76	-73.15	145	1.9	0.4	112	27	LOS SANTOS (SANTANDER)
441	Sep 10 2017	23:34:28.4	6.78	-73.14	149	1.9	0.4	113	27	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
442	Sep 11 2017	00:28:23.0	5.04	-77.63	28	1.5	0.4	281	10	O. PACIFICO CENTRO
443	Sep 11 2017	00:30:55.3	4.45	-76.20	112	1.5	0.5	154	15	EL DOVIO (VALLE)
444	Sep 11 2017	01:09: 1.4	6.76	-73.04	150	1.6	0.3	246	8	LOS SANTOS (SANTANDER)
445	Sep 11 2017	03:15:40.5	6.79	-73.09	Sup	1.6	0.6	117	14	LOS SANTOS (SANTANDER)
446	Sep 11 2017	03:26:17.1	6.83	-73.32	123	1.7	0.2	106	18	ZAPATOCA (SANTANDER)
447	Sep 11 2017	03:45:23.2	2.88	-76.39	78	1.1	0.4	101	18	CALDONO (CAUCA)
448	Sep 11 2017	03:50:41.6	10.07	-73.12	111	1.2	0.2	169	11	AGUSTIN CODAZZI (CESAR)
449	Sep 11 2017	04:07:22.5	6.80	-73.15	145	1.7	0.4	110	25	LOS SANTOS (SANTANDER)
450	Sep 11 2017	04:22:20.5	7.94	-75.06	11	1.4	0.4	234	17	CAUCASIA (ANTIOQUIA)
451	Sep 11 2017	04:35:22.2	5.27	-73.72	146	1.9	0.6	54	36	LENGUAZAQUE (CUNDINAMARCA)
452	Sep 11 2017	04:40:25.6	6.74	-73.06	142	1.0	0.2	150	8	JORDAN (SANTANDER)
453	Sep 11 2017	04:42:17.8	6.78	-73.09	140	1.1	0.3	143	8	LOS SANTOS (SANTANDER)
454	Sep 11 2017	04:43:20.3	0.43	-77.24	Sup	2.3	0.5	207	24	SAN MIGUEL (PUTUMAYO)
455	Sep 11 2017	04:59:27.5	6.75	-73.12	149	1.3	0.3	236	11	LOS SANTOS (SANTANDER)
456	Sep 11 2017	05:00:57.7	6.95	-73.19	130	1.0	0.2	126	8	BETULIA (SANTANDER)
457	Sep 11 2017	05:09:17.4	5.51	-73.83	126	1.2	0.2	147	14	SIMIJACA (CUNDINAMARCA)
458	Sep 11 2017	05:37:14.2	6.80	-73.14	148	1.7	0.4	112	28	LOS SANTOS (SANTANDER)
459	Sep 11 2017	06:18:48.1	6.78	-73.06	147	1.6	0.4	127	24	LOS SANTOS (SANTANDER)
460	Sep 11 2017	06:40:51.2	6.74	-76.73	Sup	1.9	0.5	111	32	VIGIA DEL FUERTE (ANTIOQUIA)
461	Sep 11 2017	06:54: 9.0	4.83	-76.67	19	1.5	0.7	112	27	NOVITA (CHOCO)
462	Sep 11 2017	07:35:55.9	7.20	-73.55	17	1.5	0.6	158	13	SABANA DE TORRES (SANTANDER)
463	Sep 11 2017	07:40: 3.5	6.98	-72.10	6	1.5	0.5	210	16	CUBARA (BOYACA)
464	Sep 11 2017	07:59:56.8	6.88	-73.12	149	1.5	0.5	116	21	PIEDRECUESTA (SANTANDER)
465	Sep 11 2017	08:27:11.6	4.83	-77.90	27	2.0	0.7	254	34	O. PACIFICO CENTRO
466	Sep 11 2017	08:29:10.3	7.32	-73.31	113	2.1	0.6	88	43	RIONEGRO (SANTANDER)
467	Sep 11 2017	08:52: 8.7	6.79	-73.12	148	1.5	0.3	121	14	LOS SANTOS (SANTANDER)
468	Sep 11 2017	08:55:17.0	6.81	-73.15	147	2.2	0.5	65	46	LOS SANTOS (SANTANDER)
469	Sep 11 2017	09:09: 9.1	6.78	-73.06	142	1.1	0.4	245	11	LOS SANTOS (SANTANDER)
470	Sep 11 2017	09:14:45.5	5.36	-72.77	Sup	0.9	0.5	132	10	PAJARITO (BOYACA)
471	Sep 11 2017	09:21:17.1	5.85	-73.81	106	1.3	0.3	144	11	JESUS MARIA (SANTANDER)
472	Sep 11 2017	09:53:46.8	3.15	-77.73	Sup	1.3	0.5	134	12	O. PACIFICO SUR
473	Sep 11 2017	09:58:54.2	2.63	-79.56	8	1.9	0.3	305	16	O. PACIFICO SUR
474	Sep 11 2017	10:42: 4.3	3.28	-71.71	Sup	2.2	0.4	249	15	MAPIRIPAN (META)
475	Sep 11 2017	11:13:59.3	5.75	-72.57	Sup	3.0	0.7	156	46	PISVA (BOYACA)
476	Sep 11 2017	11:30:17.0	2.39	-75.60	Sup	1.4	0.4	124	12	GIGANTE (HUILA)
477	Sep 11 2017	11:49:44.3	7.20	-76.85	18	2.8	0.5	73	51	MURINDO (ANTIOQUIA)
478	Sep 11 2017	12:09:34.3	6.41	-76.88	Sup	2.2	0.4	122	24	BOJAYA (CHOCO)
479	Sep 11 2017	12:54:26.2	3.40	-76.42	97	1.3	0.5	117	12	CANDELARIA (VALLE)
480	Sep 11 2017	13:18:49.4	2.97	-77.77	Sup	1.5	0.1	163	12	O. PACIFICO SUR
481	Sep 11 2017	13:22: 6.4	6.81	-73.12	141	2.4	0.6	102	37	LOS SANTOS (SANTANDER)
482	Sep 11 2017	13:33:40.8	4.44	-76.18	Sup	1.4	0.5	149	14	ROLDANILLO (VALLE)
483	Sep 11 2017	15:25:54.7	6.82	-73.06	147	2.5	0.5	119	43	LOS SANTOS (SANTANDER)
484	Sep 11 2017	16:53:54.3	2.56	-75.75	Sup	1.3	0.1	101	9	NATAGA (HUILA)
485	Sep 11 2017	18:47: 2.2	8.90	-73.93	16	1.9	0.4	103	12	EL PENON (BOLIVAR)
486	Sep 11 2017	20:40:29.2	6.76	-73.07	150	1.7	0.4	147	12	LOS SANTOS (SANTANDER)
487	Sep 11 2017	20:43: 5.5	6.83	-73.34	118	2.0	0.3	105	14	ZAPATOCA (SANTANDER)
488	Sep 11 2017	21:07: 3.8	3.01	-74.63	Sup	1.8	0.4	158	18	URIBE (META)
489	Sep 11 2017	21:35: 3.2	6.76	-73.11	141	2.0	0.2	143	14	LOS SANTOS (SANTANDER)
490	Sep 11 2017	22:12:22.1	6.76	-73.07	139	1.4	0.5	148	9	LOS SANTOS (SANTANDER)
491	Sep 11 2017	22:33: 4.2	6.76	-73.10	148	1.8	0.3	143	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
492	Sep 11 2017	22:53: 5.4	5.23	-73.03	Sup	3.3	0.7	63	50	SAN EDUARDO (BOYACA)
493	Sep 11 2017	23:28:35.6	6.78	-73.15	154	1.5	0.3	235	7	LOS SANTOS (SANTANDER)
494	Sep 11 2017	23:34: 7.2	6.77	-73.15	146	1.6	0.4	137	13	LOS SANTOS (SANTANDER)
495	Sep 11 2017	23:43:50.9	0.19	-77.51	Sup	2.2	0.5	160	12	FRONTERA CON ECUADOR
496	Sep 11 2017	23:50:35.2	6.81	-73.13	148	1.9	0.4	138	18	LOS SANTOS (SANTANDER)
497	Sep 12 2017	00:19:41.2	4.72	-77.44	54	1.9	0.5	209	10	O. PACIFICO CENTRO
498	Sep 12 2017	00:48:14.7	6.77	-73.11	140	1.7	0.3	115	22	LOS SANTOS (SANTANDER)
499	Sep 12 2017	00:54:52.4	6.80	-73.17	141	1.3	0.3	235	8	LOS SANTOS (SANTANDER)
500	Sep 12 2017	01:28:34.5	4.42	-75.02	16	1.2	0.2	161	16	ALVARADO (TOLIMA)
501	Sep 12 2017	01:45:33.8	6.75	-73.10	147	1.5	0.1	238	8	LOS SANTOS (SANTANDER)
502	Sep 12 2017	01:47: 4.8	6.77	-73.11	144	1.6	0.4	142	17	LOS SANTOS (SANTANDER)
503	Sep 12 2017	01:53:30.4	6.77	-73.11	149	1.4	0.3	142	11	LOS SANTOS (SANTANDER)
504	Sep 12 2017	02:04: 6.2	2.49	-75.49	21	0.9	0.1	234	6	HOBO (HUILA)
505	Sep 12 2017	02:04:31.4	6.60	-73.43	159	1.2	0.3	121	8	EL CARMEN (SANTANDER)
506	Sep 12 2017	02:48: 0.4	1.84	-75.68	Sup	1.7	0.4	93	22	SUAZA (HUILA)
507	Sep 12 2017	03:02: 6.5	4.73	-76.29	109	1.9	0.5	80	30	EL CAIRO (VALLE)
508	Sep 12 2017	03:07:45.5	0.92	-77.25	Sup	2.1	0.7	143	18	FUNES (NARINO)
509	Sep 12 2017	03:13:43.7	6.77	-73.11	136	2.0	0.5	115	34	LOS SANTOS (SANTANDER)
510	Sep 12 2017	03:40:32.6	3.28	-74.38	Sup	3.2*	1.1	62	66	URIBE (META)
511	Sep 12 2017	04:04:59.5	4.89	-76.10	113	0.8	0.2	128	8	EL AGUILA (VALLE)
512	Sep 12 2017	04:12:37.5	1.93	-76.00	Sup	1.8	0.7	107	23	TIMANA (HUILA)
513	Sep 12 2017	04:28:30.0	3.62	-74.47	Sup	1.0	0.7	173	16	VILLARRICA (TOLIMA)
514	Sep 12 2017	05:44:10.7	6.78	-73.11	142	1.3	0.1	240	8	LOS SANTOS (SANTANDER)
515	Sep 12 2017	05:57:27.8	6.36	-73.66	108	1.0	0.2	104	10	SANTA HELENA DEL OPOON (SANTANDER)
516	Sep 12 2017	06:03:33.6	6.78	-76.43	12	1.9	0.5	177	17	DABEIBA (ANTIOQUIA)
517	Sep 12 2017	06:04:14.7	6.82	-76.39	Sup	2.4	0.6	56	50	DABEIBA (ANTIOQUIA)
518	Sep 12 2017	06:22:49.3	8.75	-73.83	98	1.5	0.5	132	16	REGIDOR (BOLIVAR)
519	Sep 12 2017	06:46:46.1	6.76	-73.11	148	1.3	0.3	239	10	LOS SANTOS (SANTANDER)
520	Sep 12 2017	07:07:16.9	6.78	-73.13	140	1.4	0.4	238	10	LOS SANTOS (SANTANDER)
521	Sep 12 2017	07:21:34.1	6.77	-73.10	143	1.5	0.5	165	15	LOS SANTOS (SANTANDER)
522	Sep 12 2017	07:27:13.5	6.32	-73.57	112	2.5	0.5	41	65	SANTA HELENA DEL OPOON (SANTANDER)
523	Sep 12 2017	07:34:31.8	5.89	-73.60	125	1.4	0.1	152	10	BARBOSA (SANTANDER)
524	Sep 12 2017	07:47:29.3	6.81	-73.06	152	1.7	0.5	226	15	LOS SANTOS (SANTANDER)
525	Sep 12 2017	07:48: 5.1	3.85	-76.29	130	1.1	0.3	128	11	BUGA (VALLE)
526	Sep 12 2017	08:05: 3.9	7.05	-76.15	Sup	1.5	0.6	94	14	DABEIBA (ANTIOQUIA)
527	Sep 12 2017	09:09:48.5	5.24	-73.75	144	2.0	0.5	54	37	CUCUNUBA (CUNDINAMARCA)
528	Sep 12 2017	09:31:22.7	3.84	-76.27	119	1.6	0.5	123	16	BUGA (VALLE)
529	Sep 12 2017	10:42:45.0	6.78	-73.10	140	1.5	0.5	143	14	LOS SANTOS (SANTANDER)
530	Sep 12 2017	11:12:26.7	6.81	-73.15	144	2.5	0.5	104	34	LOS SANTOS (SANTANDER)
531	Sep 12 2017	12:34:22.2	6.81	-73.11	143	2.0	0.5	242	18	LOS SANTOS (SANTANDER)
532	Sep 12 2017	12:46: 2.2	6.75	-73.17	143	1.4	0.2	230	8	LOS SANTOS (SANTANDER)
533	Sep 12 2017	14:10:41.5	6.81	-73.15	145	1.5	0.3	135	10	LOS SANTOS (SANTANDER)
534	Sep 12 2017	14:59:58.9	6.81	-73.13	145	1.5	0.1	240	10	LOS SANTOS (SANTANDER)
535	Sep 12 2017	15:10: 4.2	6.76	-73.09	141	2.1	0.3	172	11	LOS SANTOS (SANTANDER)
536	Sep 12 2017	15:45:57.2	10.22	-73.05	119	1.7	0.6	226	8	SAN DIEGO (CESAR)
537	Sep 12 2017	15:51:44.1	2.42	-75.57	13	1.9	0.4	133	14	GIGANTE (HUILA)
538	Sep 12 2017	16:56: 4.5	4.67	-72.92	Sup	2.1	0.7	84	21	VILLANUEVA (CASANARE)
539	Sep 12 2017	17:46:13.8	7.49	-73.19	128	1.4	0.4	197	9	EL PLAYON (SANTANDER)
540	Sep 12 2017	20:23: 3.0	6.75	-73.08	141	1.6	0.4	240	14	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
541	Sep 12 2017	20:39: 2.0	6.81	-72.93	148	1.5	0.4	259	8	CEPITA (SANTANDER)
542	Sep 12 2017	20:53:51.7	2.76	-76.58	130	1.5	0.2	191	7	MORALES (CAUCA)
543	Sep 12 2017	22:53:48.4	11.10	-72.71	Sup	1.5	0.6	152	10	MANAURE BALCON CESAR (CESAR)
544	Sep 13 2017	00:18:19.7	6.79	-73.12	147	1.9	0.5	115	26	LOS SANTOS (SANTANDER)
545	Sep 13 2017	01:16:53.1	5.04	-76.21	Sup	1.2	0.3	169	10	SAN JOSE DEL PALMAR (CHOCO)
546	Sep 13 2017	01:58:45.9	6.80	-73.12	145	1.5	0.5	240	12	LOS SANTOS (SANTANDER)
547	Sep 13 2017	02:38:12.7	6.79	-73.14	142	2.0	0.4	112	26	LOS SANTOS (SANTANDER)
548	Sep 13 2017	02:39:34.2	6.75	-73.10	141	1.7	0.2	212	10	LOS SANTOS (SANTANDER)
549	Sep 13 2017	02:49:32.6	6.02	-73.66	115	1.5	0.4	109	20	VELEZ (SANTANDER)
550	Sep 13 2017	03:01:52.4	6.77	-73.12	146	1.5	0.3	238	14	LOS SANTOS (SANTANDER)
551	Sep 13 2017	03:04:46.2	5.12	-72.75	Sup	1.7	0.6	110	20	RECETOR (CASANARE)
552	Sep 13 2017	03:07: 3.1	9.56	-73.16	132	4.7*	0.7	59	122	LA JAGUA DE IBIRICO (CESAR)
553	Sep 13 2017	03:17:40.5	6.77	-73.16	149	1.4	0.2	233	8	LOS SANTOS (SANTANDER)
554	Sep 13 2017	03:34:40.3	0.90	-79.75	15	4.3*	0.4	278	99	FRONTERA CON ECUADOR
555	Sep 13 2017	03:39: 5.9	3.15	-76.50	123	1.4	0.4	220	10	VILLA RICA (CAUCA)
556	Sep 13 2017	03:59:54.9	6.85	-73.14	143	2.6	0.6	64	64	LOS SANTOS (SANTANDER)
557	Sep 13 2017	04:39:38.3	10.37	-72.97	Sup	2.7	0.6	145	24	MANAURE BALCON CESAR (CESAR)
558	Sep 13 2017	04:52:45.1	1.84	-76.15	Sup	1.4	0.3	126	18	PITALITO (HUILA)
559	Sep 13 2017	04:57:15.4	4.68	-77.39	52	2.1	0.4	191	24	O. PACIFICO CENTRO
560	Sep 13 2017	05:08:26.2	6.78	-73.11	147	1.5	0.5	116	19	LOS SANTOS (SANTANDER)
561	Sep 13 2017	05:24:43.6	6.75	-73.11	143	1.7	0.4	116	24	LOS SANTOS (SANTANDER)
562	Sep 13 2017	05:29:56.7	6.23	-73.83	Sup	1.3	0.3	165	12	LANDAZURI (SANTANDER)
563	Sep 13 2017	05:54:28.4	9.45	-73.18	131	2.0	0.6	165	14	FRONTERA CON VENEZUELA
564	Sep 13 2017	07:31:32.6	6.79	-73.16	148	1.1	0.3	235	9	LOS SANTOS (SANTANDER)
565	Sep 13 2017	07:36:49.7	7.00	-71.82	10	1.6	0.4	246	10	SARAVENA (ARAUCA)
566	Sep 13 2017	07:47:11.0	5.53	-77.58	46	1.4	0.3	267	10	O. PACIFICO NORTE
567	Sep 13 2017	08:08:11.0	5.19	-73.16	Sup	1.5	0.1	150	25	MIRAFLORES (BOYACA)
568	Sep 13 2017	09:58: 3.4	6.80	-73.04	143	1.8	0.2	248	8	LOS SANTOS (SANTANDER)
569	Sep 13 2017	10:05:27.9	6.68	-73.18	148	1.5	0.3	223	8	VILLANUEVA (SANTANDER)
570	Sep 13 2017	10:18:47.9	11.16	-74.37	30	1.3	0.3	236	12	MAR CARIBE
571	Sep 13 2017	10:29:10.8	3.90	-73.69	Sup	1.6	0.3	147	19	CASTILLA LA NUEVA (META)
572	Sep 13 2017	10:52:53.5	6.79	-73.05	141	1.3	0.2	246	8	LOS SANTOS (SANTANDER)
573	Sep 13 2017	11:19:32.8	6.74	-73.08	147	1.9	0.3	127	20	JORDAN (SANTANDER)
574	Sep 13 2017	11:27:41.5	10.09	-72.69	Sup	3.3	0.5	143	35	FRONTERA CON VENEZUELA
575	Sep 13 2017	12:02:51.1	4.58	-75.87	Sup	1.4	0.5	91	15	OBANDO (VALLE)
576	Sep 13 2017	12:13:37.7	6.82	-73.10	148	1.7	0.3	218	16	LOS SANTOS (SANTANDER)
577	Sep 13 2017	12:30:50.3	6.76	-73.10	144	1.9	0.3	143	16	LOS SANTOS (SANTANDER)
578	Sep 13 2017	12:47:49.9	6.81	-73.13	149	2.5	0.4	66	48	LOS SANTOS (SANTANDER)
579	Sep 13 2017	13:37:10.7	6.81	-73.14	141	2.1	0.4	112	24	LOS SANTOS (SANTANDER)
580	Sep 13 2017	13:52: 8.5	6.79	-73.10	153	1.7	0.4	143	14	LOS SANTOS (SANTANDER)
581	Sep 13 2017	13:54:22.9	6.79	-73.15	144	1.6	0.3	135	12	LOS SANTOS (SANTANDER)
582	Sep 13 2017	14:16: 2.9	3.23	-76.58	109	2.4	0.8	55	38	JAMUNDI (VALLE)
583	Sep 13 2017	14:17:25.2	10.80	-73.24	87	1.6	0.5	123	12	LA PAZ (CESAR)
584	Sep 13 2017	14:46: 9.3	4.82	-76.14	102	1.4	0.3	122	8	ARGELIA (VALLE)
585	Sep 13 2017	15:27: 3.3	4.39	-73.74	Sup	1.4	0.5	165	14	EL CALVARIO (META)
586	Sep 13 2017	17:13:13.6	6.73	-73.16	148	1.6	0.3	230	8	VILLANUEVA (SANTANDER)
587	Sep 13 2017	18:47:21.3	6.74	-73.10	146	1.6	0.5	237	11	LOS SANTOS (SANTANDER)
588	Sep 13 2017	19:14:34.1	10.58	-73.92	50	1.7	0.2	190	12	PUEBLO BELLO (CESAR)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
589	Sep 13 2017	19:18:13.3	6.86	-73.13	153	2.8	0.5	111	50	LOS SANTOS (SANTANDER)
590	Sep 13 2017	19:21: 5.7	6.79	-73.07	146	1.7	0.2	244	10	LOS SANTOS (SANTANDER)
591	Sep 13 2017	20:49:16.5	6.81	-73.12	142	2.4	0.6	67	44	LOS SANTOS (SANTANDER)
592	Sep 13 2017	20:53:24.1	6.77	-73.13	138	1.6	0.3	140	14	LOS SANTOS (SANTANDER)
593	Sep 13 2017	21:08:48.6	2.97	-75.70	10	1.6	0.4	84	20	SANTA MARIA (HUILA)
594	Sep 13 2017	21:42:30.4	5.53	-74.16	100	1.9	0.4	101	16	QUIPAMA (BOYACA)
595	Sep 13 2017	22:10: 8.4	6.78	-73.11	145	1.6	0.4	142	12	LOS SANTOS (SANTANDER)
596	Sep 13 2017	22:10:44.3	6.73	-77.65	Sup	2.0	0.7	185	15	O. PACIFICO NORTE
597	Sep 13 2017	22:11:24.3	6.81	-73.12	148	1.4	0.2	139	8	LOS SANTOS (SANTANDER)
598	Sep 13 2017	22:24:29.1	10.19	-73.08	123	1.6	0.4	166	12	SAN DIEGO (CESAR)
599	Sep 13 2017	22:57:51.1	11.12	-72.72	Sup	1.2	0.8	150	10	MANAURE BALCON CESAR (CESAR)
600	Sep 13 2017	23:24:41.0	6.79	-73.09	139	1.4	0.5	144	12	LOS SANTOS (SANTANDER)
601	Sep 13 2017	23:59:36.8	6.80	-73.12	146	2.5	0.6	67	56	LOS SANTOS (SANTANDER)
602	Sep 14 2017	00:59:27.7	6.77	-73.04	141	1.4	0.4	151	10	LOS SANTOS (SANTANDER)
603	Sep 14 2017	01:10:36.4	6.78	-73.10	150	1.4	0.2	142	10	LOS SANTOS (SANTANDER)
604	Sep 14 2017	01:35:36.3	6.80	-73.14	149	1.5	0.2	137	8	LOS SANTOS (SANTANDER)
605	Sep 14 2017	01:48:36.4	6.80	-73.11	150	2.6	0.5	101	42	LOS SANTOS (SANTANDER)
606	Sep 14 2017	02:07:25.4	6.87	-73.28	121	1.6	0.4	113	16	BETULIA (SANTANDER)
607	Sep 14 2017	02:43:48.8	3.87	-76.88	Sup	1.6	0.5	152	12	BUENAVENTURA (VALLE)
608	Sep 14 2017	03:19:49.6	6.76	-73.08	151	1.4	0.2	119	14	LOS SANTOS (SANTANDER)
609	Sep 14 2017	04:23:11.9	6.55	-73.71	107	0.9	0.2	130	8	SANTA HELENA DEL OPO (SANTANDER)
610	Sep 14 2017	04:44:36.8	6.78	-73.09	146	1.3	0.3	144	14	LOS SANTOS (SANTANDER)
611	Sep 14 2017	05:16: 3.5	5.94	-74.28	20	0.9	0.6	105	13	PUERTO BOYACA (BOYACA)
612	Sep 14 2017	05:27:53.6	6.80	-73.10	151	1.1	0.2	142	8	LOS SANTOS (SANTANDER)
613	Sep 14 2017	05:31:19.2	6.77	-73.10	144	1.2	0.3	143	12	LOS SANTOS (SANTANDER)
614	Sep 14 2017	05:56:42.6	6.79	-73.10	149	1.6	0.4	123	20	LOS SANTOS (SANTANDER)
615	Sep 14 2017	06:01: 6.1	6.33	-73.57	116	1.1	0.2	111	9	SANTA HELENA DEL OPO (SANTANDER)
616	Sep 14 2017	06:35:55.2	6.75	-73.67	94	1.6	0.7	65	33	EL CARMEN (SANTANDER)
617	Sep 14 2017	06:37:29.8	6.74	-73.05	147	1.3	0.3	129	14	JORDAN (SANTANDER)
618	Sep 14 2017	07:04:18.7	6.87	-73.03	171	2.3	0.6	73	48	PIEDRECUESTA (SANTANDER)
619	Sep 14 2017	07:10:34.2	3.02	-75.81	8	1.0	0.4	73	20	SANTA MARIA (HUILA)
620	Sep 14 2017	07:23:47.3	6.79	-73.12	146	1.8	0.4	71	33	LOS SANTOS (SANTANDER)
621	Sep 14 2017	07:48:49.1	6.94	-72.92	Sup	1.4	0.5	159	13	SANTA BARBARA (SANTANDER)
622	Sep 14 2017	07:58: 7.3	6.85	-73.09	152	1.5	0.5	114	28	LOS SANTOS (SANTANDER)
623	Sep 14 2017	08:16:27.7	6.74	-73.11	142	1.1	0.4	143	11	LOS SANTOS (SANTANDER)
624	Sep 14 2017	08:20: 9.0	7.15	-76.21	Sup	1.2	0.5	156	8	DABEIBA (ANTIOQUIA)
625	Sep 14 2017	08:52:35.4	6.72	-73.13	136	1.1	0.4	141	12	JORDAN (SANTANDER)
626	Sep 14 2017	08:57:15.2	6.77	-73.21	133	1.1	0.3	227	10	ZAPATOCA (SANTANDER)
627	Sep 14 2017	09:02:27.1	7.31	-73.37	117	1.3	0.4	171	15	SABANA DE TORRES (SANTANDER)
628	Sep 14 2017	09:23: 1.8	6.76	-73.07	145	1.9	0.5	120	34	LOS SANTOS (SANTANDER)
629	Sep 14 2017	09:32:10.5	10.83	-73.31	77	1.9	0.2	126	12	LA PAZ (CESAR)
630	Sep 14 2017	09:32:10.5	10.83	-73.31	77	3.3	0.2	126	12	LA PAZ (CESAR)
631	Sep 14 2017	09:50: 1.2	6.78	-73.11	141	1.7	0.3	141	22	LOS SANTOS (SANTANDER)
632	Sep 14 2017	10:40:24.5	8.11	-73.49	110	1.7	0.4	178	13	SAN MARTIN (CESAR)
633	Sep 14 2017	10:41:22.3	6.77	-73.13	146	1.6	0.3	158	8	LOS SANTOS (SANTANDER)
634	Sep 14 2017	11:45: 5.6	5.26	-73.73	146	1.7	0.2	93	15	CUCUNUBA (CUNDINAMARCA)
635	Sep 14 2017	13:15:50.2	6.79	-73.14	140	1.9	0.4	137	16	LOS SANTOS (SANTANDER)
636	Sep 14 2017	13:28:59.3	4.34	-76.91	21	1.4	0.7	177	10	SIPI (CHOCO)
637	Sep 14 2017	13:36:38.0	3.85	-76.14	37	1.5	0.4	124	12	BUGA (VALLE)
638	Sep 14 2017	13:52:41.7	6.82	-73.15	149	2.4	0.4	75	44	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
639	Sep 14 2017	14:12:10.6	6.78	-73.12	146	1.4	0.1	140	8	LOS SANTOS (SANTANDER)
640	Sep 14 2017	14:49:32.9	5.98	-73.79	109	1.5	0.1	151	8	BOLIVAR (SANTANDER)
641	Sep 14 2017	15:00:54.1	6.79	-73.15	146	1.6	0.3	135	11	LOS SANTOS (SANTANDER)
642	Sep 14 2017	16:55:42.1	7.20	-73.98	Sup	2.1	0.8	180	18	PUERTO WILCHES (SANTANDER)
643	Sep 14 2017	18:03:46.5	6.83	-73.13	147	2.4	0.4	65	36	LOS SANTOS (SANTANDER)
644	Sep 14 2017	18:49: 0.0	6.78	-73.13	136	1.6	0.5	114	12	LOS SANTOS (SANTANDER)
645	Sep 14 2017	19:40:35.1	6.83	-73.12	145	2.0	0.5	113	18	LOS SANTOS (SANTANDER)
646	Sep 14 2017	20:04:25.4	4.84	-76.65	32	1.7	0.3	253	12	NOVITA (CHOCO)
647	Sep 14 2017	20:42:43.7	5.85	-74.90	Sup	1.7	0.8	87	16	SAN LUIS (ANTIOQUIA)
648	Sep 14 2017	22:13: 7.7	3.71	-76.91	Sup	1.4	0.5	146	8	DAGUA (VALLE)
649	Sep 14 2017	22:36:43.5	4.51	-75.70	Sup	1.0	0.7	155	12	ARMENIA (QUINDIO)
650	Sep 14 2017	23:37: 5.7	1.87	-76.17	Sup	1.9	0.3	129	12	ISNOS (HUILA)
651	Sep 15 2017	00:49:25.3	7.28	-76.05	Sup	1.5	0.4	121	10	PEQUE (ANTIOQUIA)
652	Sep 15 2017	01:10:35.6	6.76	-73.09	146	1.9	0.4	96	31	LOS SANTOS (SANTANDER)
653	Sep 15 2017	01:22:22.0	6.32	-76.06	55	1.0	0.2	176	8	URRAO (ANTIOQUIA)
654	Sep 15 2017	01:31:43.1	10.20	-73.02	122	1.8	0.3	173	14	MANAURE BALCON CESAR (CESAR)
655	Sep 15 2017	01:41:11.3	4.73	-74.73	Sup	1.0	0.2	241	8	AMBALEMA (TOLIMA)
656	Sep 15 2017	01:54:21.0	6.77	-73.13	140	2.0	0.5	114	36	LOS SANTOS (SANTANDER)
657	Sep 15 2017	01:59:19.1	4.95	-75.97	111	1.0	0.3	166	8	BALBOA (RISARALDA)
658	Sep 15 2017	02:10:23.2	6.75	-73.11	142	1.7	0.4	142	18	LOS SANTOS (SANTANDER)
659	Sep 15 2017	02:37:28.8	4.89	-76.22	107	1.5	0.4	96	20	SAN JOSE DEL PALMAR (CHOCO)
660	Sep 15 2017	03:05:52.0	1.20	-77.92	Sup	1.5	0.3	177	12	MALLAMA (NARINO)
661	Sep 15 2017	03:26:45.2	6.86	-73.27	120	1.2	0.3	111	10	BETULIA (SANTANDER)
662	Sep 15 2017	03:59:14.9	6.78	-73.11	144	1.2	0.1	142	8	LOS SANTOS (SANTANDER)
663	Sep 15 2017	04:10:56.5	6.80	-73.15	145	2.2	0.5	65	42	LOS SANTOS (SANTANDER)
664	Sep 15 2017	05:32:34.4	6.76	-73.17	150	1.3	0.2	231	8	LOS SANTOS (SANTANDER)
665	Sep 15 2017	05:58:12.8	6.77	-73.11	151	2.0	0.4	68	36	LOS SANTOS (SANTANDER)
666	Sep 15 2017	06:43:43.5	5.06	-76.01	53	1.0	0.3	120	12	SANTUARIO (RISARALDA)
667	Sep 15 2017	06:59:41.7	6.78	-73.12	147	1.2	0.3	238	14	LOS SANTOS (SANTANDER)
668	Sep 15 2017	07:52:25.4	7.42	-74.71	44	1.5	0.4	157	23	ZARAGOZA (ANTIOQUIA)
669	Sep 15 2017	09:55:35.7	10.56	-73.52	Sup	1.8	0.5	102	12	PUEBLO BELLO (CESAR)
670	Sep 15 2017	10:06:16.6	6.82	-73.11	153	2.3	0.7	114	47	LOS SANTOS (SANTANDER)
671	Sep 15 2017	10:59:24.9	5.45	-73.99	118	1.5	0.3	98	16	COPER (BOYACA)
672	Sep 15 2017	12:36:54.1	6.75	-73.14	138	1.7	0.2	234	10	LOS SANTOS (SANTANDER)
673	Sep 15 2017	14:12:11.5	6.32	-73.64	109	1.5	0.2	111	10	SANTA HELENA DEL OPO (SANTANDER)
674	Sep 15 2017	14:54:27.3	6.80	-73.12	143	1.6	0.5	241	10	LOS SANTOS (SANTANDER)
675	Sep 15 2017	15:27:11.4	6.77	-73.15	152	1.8	0.5	234	12	LOS SANTOS (SANTANDER)
676	Sep 15 2017	15:46:18.1	6.78	-73.13	146	1.8	0.4	138	16	LOS SANTOS (SANTANDER)
677	Sep 15 2017	16:05:32.5	6.72	-73.15	146	1.5	0.3	231	8	JORDAN (SANTANDER)
678	Sep 15 2017	17:25:34.0	6.75	-73.13	140	1.7	0.2	141	10	LOS SANTOS (SANTANDER)
679	Sep 15 2017	17:32:57.4	9.62	-72.94	7	2.0	0.3	256	10	FRONTERA CON VENEZUELA
680	Sep 15 2017	17:41:58.3	6.81	-73.13	156	3.2	0.7	66	73	LOS SANTOS (SANTANDER)
681	Sep 15 2017	18:17:50.7	6.91	-76.19	Sup	2.0	0.5	156	18	URAMITA (ANTIOQUIA)
682	Sep 15 2017	18:27:38.4	6.84	-73.12	151	2.7	0.6	112	34	LOS SANTOS (SANTANDER)
683	Sep 15 2017	18:56:46.3	6.80	-73.15	144	1.8	0.4	135	12	LOS SANTOS (SANTANDER)
684	Sep 15 2017	19:26:27.6	6.79	-73.13	141	1.9	0.4	113	20	LOS SANTOS (SANTANDER)
685	Sep 15 2017	19:59:47.1	4.47	-76.75	28	1.6	0.7	79	22	SIPI (CHOCO)
686	Sep 15 2017	20:13:25.5	6.79	-73.13	141	2.1	0.4	114	20	LOS SANTOS (SANTANDER)
687	Sep 15 2017	21:29:10.4	6.74	-73.14	150	1.6	0.1	233	6	LOS SANTOS (SANTANDER)
688	Sep 15 2017	21:32:50.0	6.55	-73.53	112	1.7	0.4	109	12	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
689	Sep 15 2017	22:21:15.1	1.91	-75.97	17	1.5	0.4	139	10	TIMANA (HUILA)
690	Sep 15 2017	23:31:45.4	5.26	-73.73	146	1.4	0.2	133	10	CUCUNUBA (CUNDINAMARCA)
691	Sep 15 2017	23:52:22.5	6.81	-73.09	152	2.3	0.8	116	34	LOS SANTOS (SANTANDER)
692	Sep 16 2017	01:23:26.2	6.77	-73.09	142	1.5	0.4	144	12	LOS SANTOS (SANTANDER)
693	Sep 16 2017	01:25:17.1	6.79	-73.07	149	1.5	0.1	223	11	LOS SANTOS (SANTANDER)
694	Sep 16 2017	01:48:21.9	7.39	-73.20	126	1.5	0.3	182	15	EL PLAYON (SANTANDER)
695	Sep 16 2017	02:07: 9.5	2.44	-75.56	24	1.1	0.2	208	8	GIGANTE (HUILA)
696	Sep 16 2017	02:10:42.3	6.79	-73.10	145	1.5	0.2	212	18	LOS SANTOS (SANTANDER)
697	Sep 16 2017	02:50:40.7	6.77	-73.09	151	1.9	0.3	117	31	LOS SANTOS (SANTANDER)
698	Sep 16 2017	02:55:46.3	5.41	-76.58	21	1.0	0.5	241	8	CERTEGUI (CHOCO)
699	Sep 16 2017	03:05: 5.5	10.11	-73.14	120	3.0	0.5	80	52	AGUSTIN CODAZZI (CESAR)
700	Sep 16 2017	03:30:42.5	3.86	-76.92	45	1.2	0.2	149	8	BUENAVENTURA (VALLE)
701	Sep 16 2017	03:41:31.2	6.30	-74.18	73	1.2	0.2	167	9	CIMITARRA (SANTANDER)
702	Sep 16 2017	04:29:46.4	7.41	-75.32	Sup	1.5	0.2	112	14	CACERES (ANTIOQUIA)
703	Sep 16 2017	04:57:46.9	7.49	-73.12	126	1.7	0.3	194	13	EL PLAYON (SANTANDER)
704	Sep 16 2017	05:05:23.5	3.03	-78.28	35	1.3	0.2	309	8	O. PACIFICO SUR
705	Sep 16 2017	05:38: 1.5	5.83	-76.64	16	1.1	0.4	276	8	QUIBDO (CHOCO)
706	Sep 16 2017	06:16:19.9	5.25	-77.93	14	1.3	0.1	284	9	O. PACIFICO CENTRO
707	Sep 16 2017	06:23:40.0	6.64	-73.22	137	1.1	0.1	190	9	BARICHARA (SANTANDER)
708	Sep 16 2017	06:27:24.9	6.80	-73.16	147	1.9	0.4	167	31	LOS SANTOS (SANTANDER)
709	Sep 16 2017	06:33: 4.4	5.60	-73.83	115	1.2	0.3	199	10	CHIQUINQUIRA (BOYACA)
710	Sep 16 2017	06:45:12.3	7.27	-78.21	Sup	2.7	0.8	159	17	O. PACIFICO NORTE
711	Sep 16 2017	06:48:47.5	1.69	-77.31	28	0.9	0.3	188	7	EL ROSARIO (NARINO)
712	Sep 16 2017	06:52:31.1	5.85	-73.64	129	1.6	0.4	74	23	PUENTE NACIONAL (SANTANDER)
713	Sep 16 2017	07:18: 2.9	5.63	-73.99	114	2.0	0.5	38	40	PAUNA (BOYACA)
714	Sep 16 2017	08:40:56.3	6.54	-73.36	119	1.2	0.4	108	9	HATO (SANTANDER)
715	Sep 16 2017	08:51:19.5	2.82	-74.85	8	1.1	0.3	126	10	TELLO (HUILA)
716	Sep 16 2017	09:35:41.5	6.36	-73.54	112	1.4	0.4	78	12	SANTA HELENA DEL OPO (SANTANDER)
717	Sep 16 2017	09:43:13.6	4.19	-76.75	51	1.2	0.4	141	8	CALIMA (VALLE)
718	Sep 16 2017	10:35:42.9	6.85	-76.21	Sup	2.7	0.5	60	42	URAMITA (ANTIOQUIA)
719	Sep 16 2017	10:36:47.8	6.77	-73.10	144	2.0	0.3	240	12	LOS SANTOS (SANTANDER)
720	Sep 16 2017	11:39:11.0	2.90	-78.32	16	2.0	0.5	288	14	O. PACIFICO SUR
721	Sep 16 2017	11:43:53.0	6.81	-76.24	Sup	1.4	0.6	204	14	URAMITA (ANTIOQUIA)
722	Sep 16 2017	11:47:15.3	7.98	-77.44	12	2.0	0.3	94	24	FRONTERA CON PANAMA
723	Sep 16 2017	13:07:12.7	4.76	-76.16	97	1.7	0.5	98	14	EL CAIRO (VALLE)
724	Sep 16 2017	14:18:35.5	6.73	-73.13	153	2.0	0.4	141	16	JORDAN (SANTANDER)
725	Sep 16 2017	18:38:49.8	6.77	-73.07	144	1.3	0.2	243	8	LOS SANTOS (SANTANDER)
726	Sep 16 2017	18:45:44.8	2.51	-77.13	86	2.3	0.4	85	32	ARGELIA (CAUCA)
727	Sep 16 2017	18:51: 3.3	6.78	-73.13	138	1.6	0.3	139	10	LOS SANTOS (SANTANDER)
728	Sep 16 2017	19:06:42.4	5.85	-74.62	Sup	1.2	0.4	288	9	PUERTO TRIUNFO (ANTIOQUIA)
729	Sep 16 2017	19:22:35.2	6.85	-73.14	147	2.6	0.8	65	44	LOS SANTOS (SANTANDER)
730	Sep 16 2017	20:44:16.3	5.68	-74.30	79	1.4	0.4	153	12	OTANCHE (BOYACA)
731	Sep 16 2017	21:11:35.1	7.00	-72.90	133	1.3	0.4	265	8	SANTA BARBARA (SANTANDER)
732	Sep 16 2017	23:52:32.1	6.79	-73.03	139	1.6	0.4	248	9	LOS SANTOS (SANTANDER)
733	Sep 17 2017	02:06:39.5	6.74	-73.10	142	1.6	0.5	266	10	LOS SANTOS (SANTANDER)
734	Sep 17 2017	02:31:25.9	2.29	-75.50	27	1.3	0.5	151	10	GIGANTE (HUILA)
735	Sep 17 2017	03:01:41.4	4.29	-76.78	10	1.6	0.4	143	13	SIPI (CHOCO)
736	Sep 17 2017	03:06:16.9	6.27	-73.62	111	1.2	0.4	113	9	SANTA HELENA DEL OPO (SANTANDER)
737	Sep 17 2017	03:13:56.4	6.77	-73.10	148	2.0	0.4	221	22	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION	
738	Sep 17 2017	04:04:39.1	6.18	-72.37	Sup	1.6	0.4	122	10	LA SALINA (CASANARE)	
739	Sep 17 2017	04:08:27.8	4.76	-75.99		37	1.7	0.5	92	26	ANSERMANUEVO (VALLE)
740	Sep 17 2017	04:30:41.0	6.83	-76.08	Sup	1.4	0.3	150	10	FRONTINO (ANTIOQUIA)	
741	Sep 17 2017	04:37:44.7	7.16	-73.40		10	1.0	0.3	235	10	LEBRIJA (SANTANDER)
742	Sep 17 2017	04:58: 0.3	6.79	-73.13		146	1.6	0.3	238	11	LOS SANTOS (SANTANDER)
743	Sep 17 2017	05:04:30.7	6.80	-73.10		147	2.0	0.5	163	34	LOS SANTOS (SANTANDER)
744	Sep 17 2017	05:28:13.6	6.75	-73.08		142	2.0	0.5	163	26	LOS SANTOS (SANTANDER)
745	Sep 17 2017	05:35: 9.1	5.55	-73.85		127	1.4	0.4	106	23	CALDAS (BOYACA)
746	Sep 17 2017	06:08:17.0	7.14	-73.45		14	1.2	0.5	230	7	LEBRIJA (SANTANDER)
747	Sep 17 2017	06:10:12.4	6.80	-73.14		147	2.3	0.4	112	32	LOS SANTOS (SANTANDER)
748	Sep 17 2017	06:42:47.8	6.70	-73.05		144	1.2	0.4	240	8	ARATOCA (SANTANDER)
<u>749</u>	<u>Sep 17 2017</u>	<u>07:11:25.0</u>	<u>6.46</u>	<u>-76.72</u>	<u>Sup</u>	<u>4.2*</u>	<u>0.5</u>	<u>63</u>	<u>110</u>	<u>VIGIA DEL FUERTE (ANTIOQUIA)</u>	
750	Sep 17 2017	07:39:10.6	7.32	-76.34		29	1.3	0.6	170	11	MUTATA (ANTIOQUIA)
751	Sep 17 2017	07:40:59.8	5.98	-72.50	Sup	1.3	0.7	110	12	SOCOTA (BOYACA)	
752	Sep 17 2017	08:00:48.2	6.81	-73.01		136	1.6	0.3	153	10	CEPITA (SANTANDER)
753	Sep 17 2017	08:09:28.7	5.60	-74.05		108	1.2	0.3	130	11	SAN PABLO DE BORBUR (BOYACA)
754	Sep 17 2017	09:57: 2.8	6.72	-73.20		142	1.4	0.5	224	8	VILLANUEVA (SANTANDER)
755	Sep 17 2017	10:18:48.7	6.43	-76.70	Sup	1.7	0.4	237	12	VIGIA DEL FUERTE (ANTIOQUIA)	
756	Sep 17 2017	10:49:20.6	6.79	-73.07		144	2.0	0.8	125	24	LOS SANTOS (SANTANDER)
757	Sep 17 2017	10:53: 0.1	6.31	-76.73		24	1.3	0.4	285	10	BOJAYA (CHOCO)
758	Sep 17 2017	11:04:55.4	6.55	-73.52		109	1.5	0.4	102	14	EL CARMEN (SANTANDER)
759	Sep 17 2017	11:09:52.9	5.67	-72.72	Sup	1.4	0.5	185	8	MONGUA (BOYACA)	
760	Sep 17 2017	12:38:12.1	6.67	-73.37		120	1.4	0.3	150	8	GALAN (SANTANDER)
761	Sep 17 2017	12:52:53.1	6.83	-73.05		147	2.4	0.4	120	35	LOS SANTOS (SANTANDER)
762	Sep 17 2017	13:30:50.8	5.38	-74.87		9	1.5	0.3	180	10	VICTORIA (CALDAS)
763	Sep 17 2017	13:47:29.2	8.00	-74.86	Sup	2.0	0.5	116	18	NECHI (ANTIOQUIA)	
764	Sep 17 2017	14:04:32.1	5.94	-77.37		8	2.1	0.4	220	10	O. PACIFICO NORTE
765	Sep 17 2017	14:44: 1.0	7.31	-75.18		20	1.7	0.2	125	10	ANORI (ANTIOQUIA)
766	Sep 17 2017	15:18: 5.1	10.01	-72.61		156	2.7	0.4	100	27	FRONTERA CON VENEZUELA
767	Sep 17 2017	15:44:39.4	6.83	-73.14		142	1.6	0.4	135	14	LOS SANTOS (SANTANDER)
768	Sep 17 2017	15:56:58.3	6.81	-73.01		145	1.8	0.4	252	12	CEPITA (SANTANDER)
769	Sep 17 2017	16:34: 7.5	5.05	-76.02		110	1.3	0.4	197	10	LA CELIA (RISARALDA)
770	Sep 17 2017	17:23:19.2	6.77	-73.12		138	2.1	0.3	115	26	LOS SANTOS (SANTANDER)
771	Sep 17 2017	18:16:11.3	7.97	-73.31		8	1.4	0.2	292	8	ABREGO (N.SANTANDER)
772	Sep 17 2017	18:29:14.6	2.47	-74.11	Sup	1.9	0.3	100	17	LA MACARENA (META)	
773	Sep 17 2017	18:37:49.8	5.65	-73.55		146	1.9	0.3	112	19	VILLA DE LEIVA (BOYACA)
774	Sep 17 2017	20:09:20.3	3.89	-78.54		61	2.1	0.4	269	16	O. PACIFICO SUR
775	Sep 17 2017	20:19:24.4	6.78	-73.11		148	1.5	0.4	141	14	LOS SANTOS (SANTANDER)
776	Sep 17 2017	22:04:51.2	7.11	-76.10		36	1.7	0.5	100	11	DABEIBA (ANTIOQUIA)
<u>777</u>	<u>Sep 17 2017</u>	<u>22:22:25.0</u>	<u>3.62</u>	<u>-77.30</u>	<u>64</u>	<u>3.8*</u>	<u>0.8</u>	<u>118</u>	<u>92</u>	<u>O. PACIFICO SUR</u>	
778	Sep 17 2017	23:18:22.4	6.80	-73.14		133	1.7	0.3	137	10	LOS SANTOS (SANTANDER)
779	Sep 17 2017	23:25:34.0	6.85	-73.30		117	1.1	0.4	212	8	ZAPATOCA (SANTANDER)
780	Sep 18 2017	00:12:40.5	6.77	-73.11		144	1.3	0.3	141	8	LOS SANTOS (SANTANDER)
781	Sep 18 2017	00:21:14.1	6.78	-73.12		142	1.3	0.2	140	8	LOS SANTOS (SANTANDER)
782	Sep 18 2017	01:06:44.8	6.80	-73.10		139	1.4	0.2	142	9	LOS SANTOS (SANTANDER)
783	Sep 18 2017	01:07: 7.6	3.72	-76.93	Sup	1.3	0.6	138	10	BUENAVENTURA (VALLE)	
784	Sep 18 2017	01:44:40.4	5.03	-75.51		25	1.1	0.6	113	10	VILLAMARIA (CALDAS)
785	Sep 18 2017	01:49:52.3	6.79	-73.10		144	1.5	0.2	100	9	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
786	Sep 18 2017	01:49:52.3	6.79	-73.10	144	1.5	0.2	100	9	LOS SANTOS (SANTANDER)
787	Sep 18 2017	02:20:15.9	5.57	-75.62	92	1.0	0.2	144	8	VALPARAISO (ANTIOQUIA)
788	Sep 18 2017	02:42:29.0	3.80	-76.38	115	1.8	0.5	83	28	YOTOCO (VALLE)
789	Sep 18 2017	03:06: 7.5	5.22	-73.69	147	1.4	0.2	141	11	CUCUNUBA (CUNDINAMARCA)
790	Sep 18 2017	03:12:32.3	3.43	-74.77	26	1.4	0.6	166	14	COLOMBIA (HUILA)
791	Sep 18 2017	03:15: 3.4	5.94	-73.75	109	1.3	0.4	85	15	SUCRE (SANTANDER)
792	Sep 18 2017	03:24:10.7	4.96	-75.33	Sup	2.8	0.1	114	37	VOLCAN NEVADO DEL RUIZ)
793	Sep 18 2017	03:42:16.4	6.82	-73.14	144	1.9	0.5	118	29	LOS SANTOS (SANTANDER)
794	Sep 18 2017	04:08:20.8	6.34	-74.74	20	0.9	0.5	194	8	CARACOLI (ANTIOQUIA)
795	Sep 18 2017	04:18:57.9	6.72	-73.27	123	0.8	0.2	194	8	ZAPATOCA (SANTANDER)
796	Sep 18 2017	04:18:57.9	6.72	-73.27	123	0.8	0.2	194	8	ZAPATOCA (SANTANDER)
797	Sep 18 2017	04:21:15.5	4.60	-76.64	18	1.4	0.6	157	21	SIPI (CHOCO)
798	Sep 18 2017	04:39:57.3	6.79	-73.12	146	2.4	0.6	67	42	LOS SANTOS (SANTANDER)
799	Sep 18 2017	04:41:26.4	2.64	-74.51	Sup	1.7	0.6	101	16	SAN VICENTE DEL CAGUAN (CAQUETA)
800	Sep 18 2017	04:46: 3.0	4.28	-76.28	126	1.7	0.5	105	30	TRUJILLO (VALLE)
801	Sep 18 2017	05:08:56.3	6.80	-73.04	143	1.2	0.3	248	8	LOS SANTOS (SANTANDER)
802	Sep 18 2017	06:34: 8.4	5.97	-73.54	127	1.3	0.4	88	15	SAN JOSE DE PARE (BOYACA)
803	Sep 18 2017	06:43:11.3	6.77	-76.66	Sup	1.3	0.6	144	14	MURINDO (ANTIOQUIA)
804	Sep 18 2017	07:31:33.2	6.59	-73.39	124	1.7	0.2	124	10	HATO (SANTANDER)
805	Sep 18 2017	07:36:55.9	6.79	-73.14	145	1.5	0.3	237	10	LOS SANTOS (SANTANDER)
806	Sep 18 2017	08:05:37.6	6.80	-73.14	140	1.4	0.5	238	8	LOS SANTOS (SANTANDER)
807	Sep 18 2017	08:41:15.7	6.81	-73.10	149	1.7	0.4	116	16	LOS SANTOS (SANTANDER)
808	Sep 18 2017	08:49:13.7	6.75	-73.10	136	1.2	0.4	144	8	LOS SANTOS (SANTANDER)
809	Sep 18 2017	09:17:27.1	3.12	-74.86	Sup	1.3	0.5	143	8	BARAYA (HUILA)
810	Sep 18 2017	09:23:48.8	5.22	-77.41	29	1.5	0.5	249	10	O. PACIFICO CENTRO
811	Sep 18 2017	09:28:19.3	8.01	-73.47	63	1.5	0.2	279	8	SAN MARTIN (CESAR)
812	Sep 18 2017	09:40:31.2	6.74	-73.10	144	1.7	0.4	69	23	LOS SANTOS (SANTANDER)
813	Sep 18 2017	09:53: 7.4	7.65	-74.16	12	1.3	0.4	206	8	SAN PABLO (BOLIVAR)
814	Sep 18 2017	10:41:15.6	5.24	-73.73	146	2.3	0.4	55	37	CUCUNUBA (CUNDINAMARCA)
815	Sep 18 2017	10:47:34.3	6.84	-73.29	121	1.6	0.3	109	14	ZAPATOCA (SANTANDER)
816	Sep 18 2017	11:20: 6.3	6.03	-73.64	118	2.0	0.7	68	26	CHIPATA (SANTANDER)
817	Sep 18 2017	11:38:50.5	2.41	-75.38	Sup	1.6	0.4	177	12	ALGECIRAS (HUILA)
818	Sep 18 2017	11:53: 7.1	7.50	-72.14	Sup	2.4	0.3	138	22	FRONTERA CON VENEZUELA
819	Sep 18 2017	12:14:36.8	6.73	-73.11	142	1.5	0.3	235	9	JORDAN (SANTANDER)
820	Sep 18 2017	12:56: 7.4	6.91	-76.68	Sup	2.0	0.5	134	27	MURINDO (ANTIOQUIA)
821	Sep 18 2017	14:43:33.5	5.44	-77.39	31	2.0	0.5	289	13	NUQUI (CHOCO)
822	Sep 18 2017	16:11:38.6	11.47	-74.14	Sup	3.0	0.4	230	23	MAR CARIBE
823	Sep 18 2017	18:43:34.1	4.47	-73.53	14	1.4	0.4	136	12	SAN JUANITO (META)
824	Sep 18 2017	19:34:17.2	6.78	-73.12	142	3.2	0.5	55	69	LOS SANTOS (SANTANDER)
825	Sep 18 2017	20:14: 3.2	6.78	-73.12	148	2.2	0.5	115	28	LOS SANTOS (SANTANDER)
826	Sep 18 2017	20:16:22.6	6.75	-73.11	146	1.8	0.2	116	10	LOS SANTOS (SANTANDER)
827	Sep 18 2017	20:23:28.9	6.77	-73.12	138	2.7	0.4	98	46	LOS SANTOS (SANTANDER)
828	Sep 18 2017	20:37:34.9	6.77	-73.11	148	1.9	0.4	142	22	LOS SANTOS (SANTANDER)
829	Sep 18 2017	21:10:10.5	6.56	-73.41	121	1.9	0.3	71	24	HATO (SANTANDER)
830	Sep 18 2017	21:36:38.8	6.76	-73.11	143	1.7	0.4	142	17	LOS SANTOS (SANTANDER)
831	Sep 18 2017	22:04:10.6	9.39	-74.41	16	2.0	0.3	111	14	PIJINO DEL CARMEN (MAGDALENA)
832	Sep 18 2017	22:08:13.7	4.80	-78.52	66	2.2	0.1	318	8	O. PACIFICO CENTRO
833	Sep 18 2017	22:23:50.2	5.61	-72.85	Sup	1.5	0.6	100	16	AQUITANIA (BOYACA)
834	Sep 18 2017	22:41: 0.1	2.93	-74.77	Sup	1.5	0.3	274	7	BARAYA (HUILA)
835	Sep 18 2017	23:26:40.8	5.60	-72.88	Sup	1.4	0.5	215	15	AQUITANIA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
836	Sep 19 2017	00:10: 4.2	1.10	-76.44	Sup	1.8	0.8	150	21	PIAMONTE (CAUCA)
837	Sep 19 2017	00:36:31.2	7.14	-77.18	18	1.8	0.5	133	15	RIOSUCIO (CHOCO)
838	Sep 19 2017	00:56: 9.9	6.75	-73.09	140	1.5	0.3	145	10	LOS SANTOS (SANTANDER)
839	Sep 19 2017	01:15:40.3	6.79	-73.13	144	2.1	0.6	55	44	LOS SANTOS (SANTANDER)
840	Sep 19 2017	01:32:20.3	6.55	-73.49	111	1.6	0.4	67	21	EL CARMEN (SANTANDER)
841	Sep 19 2017	01:33: 6.2	5.25	-73.72	145	2.7	0.4	55	59	CUCUNUBA (CUNDINAMARCA)
842	Sep 19 2017	02:14:11.2	6.78	-73.10	143	1.2	0.2	142	8	LOS SANTOS (SANTANDER)
843	Sep 19 2017	02:28:25.1	6.38	-74.06	6	2.3	0.6	62	35	CIMITARRA (SANTANDER)
844	Sep 19 2017	02:33:54.8	5.85	-73.71	120	1.8	0.5	45	36	PUENTE NACIONAL (SANTANDER)
845	Sep 19 2017	03:01:47.3	6.78	-73.05	142	1.1	0.4	149	9	LOS SANTOS (SANTANDER)
846	Sep 19 2017	03:20: 9.7	6.92	-77.07	12	1.5	0.4	152	9	MURINDO (ANTIOQUIA)
847	Sep 19 2017	03:29:50.7	6.77	-73.12	140	1.3	0.5	141	16	LOS SANTOS (SANTANDER)
848	Sep 19 2017	04:33:24.4	6.81	-73.06	143	1.3	0.5	147	16	LOS SANTOS (SANTANDER)
849	Sep 19 2017	05:08: 8.5	6.53	-75.83	Sup	1.2	0.4	128	12	SANTA FE ANTIOQUIA (ANTIOQUIA)
850	Sep 19 2017	05:12:42.7	6.78	-73.09	153	1.5	0.3	117	18	LOS SANTOS (SANTANDER)
851	Sep 19 2017	05:16:48.9	6.46	-73.64	104	1.0	0.4	76	12	SANTA HELENA DEL OPON (SANTANDER)
852	Sep 19 2017	05:19:38.6	6.80	-73.13	142	1.1	0.3	138	11	LOS SANTOS (SANTANDER)
853	Sep 19 2017	05:55:31.1	6.71	-73.11	143	1.4	0.3	90	19	JORDAN (SANTANDER)
854	Sep 19 2017	06:15:13.4	4.48	-78.10	63	1.7	0.6	256	22	O. PACIFICO CENTRO
855	Sep 19 2017	06:32:18.0	7.41	-74.70	36	1.3	0.6	118	19	ZARAGOZA (ANTIOQUIA)
856	Sep 19 2017	07:02: 9.1	6.50	-76.77	Sup	1.8	0.7	68	37	VIGIA DEL FUERTE (ANTIOQUIA)
857	Sep 19 2017	07:08:23.6	6.83	-73.28	119	1.3	0.2	107	10	ZAPATOCA (SANTANDER)
858	Sep 19 2017	07:09:41.5	6.77	-73.11	147	1.2	0.3	123	13	LOS SANTOS (SANTANDER)
859	Sep 19 2017	07:33: 0.0	6.77	-73.13	142	1.2	0.5	236	7	LOS SANTOS (SANTANDER)
860	Sep 19 2017	08:03: 4.1	6.78	-73.11	148	2.0	0.2	142	20	LOS SANTOS (SANTANDER)
861	Sep 19 2017	08:21:32.4	6.78	-73.08	140	1.7	0.6	243	17	LOS SANTOS (SANTANDER)
862	Sep 19 2017	09:21:11.2	6.81	-73.12	146	2.2	0.8	102	30	LOS SANTOS (SANTANDER)
863	Sep 19 2017	09:51:36.7	6.77	-73.17	134	1.7	0.7	110	18	LOS SANTOS (SANTANDER)
864	Sep 19 2017	10:13:33.8	6.63	-73.50	107	0.7	0.3	93	10	EL CARMEN (SANTANDER)
865	Sep 19 2017	10:15:21.8	6.79	-73.09	141	1.3	0.4	143	12	LOS SANTOS (SANTANDER)
866	Sep 19 2017	10:28: 8.3	6.77	-73.12	150	1.4	0.3	140	16	LOS SANTOS (SANTANDER)
867	Sep 19 2017	11:17:53.4	6.79	-73.12	150	1.3	0.3	139	8	LOS SANTOS (SANTANDER)
868	Sep 19 2017	11:24: 7.1	6.87	-74.88	22	1.6	0.5	76	16	VEGACHI (ANTIOQUIA)
869	Sep 19 2017	11:24:11.4	2.31	-75.75	Sup	1.7	0.5	100	17	AGRADO (HUILA)
870	Sep 19 2017	11:51:43.6	4.89	-77.72	47	1.4	0.4	283	7	O. PACIFICO CENTRO
871	Sep 19 2017	12:17:30.5	5.32	-77.47	36	1.9	0.3	295	9	O. PACIFICO CENTRO
872	Sep 19 2017	13:14:29.8	6.74	-73.13	139	1.5	0.4	141	11	LOS SANTOS (SANTANDER)
873	Sep 19 2017	13:41:36.1	5.09	-76.04	46	2.0	0.5	124	30	SANTUARIO (RISARALDA)
874	Sep 19 2017	14:05: 9.1	3.53	-75.69	11	1.3	0.4	123	12	RIOBLANCO (TOLIMA)
875	Sep 19 2017	15:02:40.1	6.77	-73.14	137	1.3	0.2	139	9	LOS SANTOS (SANTANDER)
876	Sep 19 2017	15:57:50.9	6.79	-73.14	144	1.7	0.2	137	11	LOS SANTOS (SANTANDER)
877	Sep 19 2017	17:35:34.7	6.73	-73.10	142	1.0	0.3	237	7	JORDAN (SANTANDER)
878	Sep 19 2017	17:49: 7.6	6.92	-73.04	144	1.4	0.2	143	8	PIEDECUESTA (SANTANDER)
879	Sep 19 2017	19:50:46.2	6.73	-73.12	135	1.8	0.5	116	15	JORDAN (SANTANDER)
880	Sep 19 2017	20:06:23.1	6.79	-73.11	144	1.9	0.3	115	19	LOS SANTOS (SANTANDER)
881	Sep 19 2017	21:56: 7.9	6.78	-73.13	142	1.6	0.3	139	14	LOS SANTOS (SANTANDER)
882	Sep 19 2017	22:24:45.5	5.84	-74.89	Sup	1.4	0.6	87	12	SAN LUIS (ANTIOQUIA)
883	Sep 19 2017	22:51:39.8	10.71	-72.96	91	1.9	0.3	153	12	MANAURE BALCON CESAR (CESAR)
884	Sep 19 2017	22:55:51.7	7.35	-73.17	131	1.8	0.1	177	10	RIONEGRO (SANTANDER)
885	Sep 19 2017	23:04:55.3	6.76	-73.07	145	1.5	0.4	147	11	LOS SANTOS (SANTANDER)
886	Sep 19 2017	23:06:33.3	6.86	-73.22	137	1.2	0.4	176	8	BETULIA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
887	Sep 19 2017	23:25:10.7	6.76	-73.12	142	1.5	0.2	140	11	LOS SANTOS (SANTANDER)
888	Sep 19 2017	23:35:54.7	6.35	-73.41	20	1.8	0.4	99	18	CHIMA (SANTANDER)
889	Sep 19 2017	23:49:14.1	7.50	-74.47	64	1.7	0.4	111	16	EL BAGRE (ANTIOQUIA)
890	Sep 20 2017	00:10: 6.2	11.10	-73.36	53	1.6	0.2	152	8	PUEBLO BELLO (CESAR)
891	Sep 20 2017	00:26:15.2	5.24	-73.74	145	2.5	0.4	54	34	CUCUNUBA (CUNDINAMARCA)
892	Sep 20 2017	00:40:19.7	6.81	-73.14	150	2.6	0.4	65	23	LOS SANTOS (SANTANDER)
893	Sep 20 2017	00:48: 5.4	6.81	-73.14	145	1.8	0.4	112	12	LOS SANTOS (SANTANDER)
894	Sep 20 2017	00:53:22.9	6.78	-73.13	136	1.8	0.4	138	14	LOS SANTOS (SANTANDER)
895	Sep 20 2017	01:48: 2.2	6.78	-73.08	139	1.4	0.4	118	14	LOS SANTOS (SANTANDER)
896	Sep 20 2017	01:48: 2.3	6.77	-73.14	137	1.5	0.4	113	17	LOS SANTOS (SANTANDER)
897	Sep 20 2017	01:51:55.6	10.65	-74.64	62	2.0	0.4	184	15	PIVIJAY (MAGDALENA)
898	Sep 20 2017	02:14:12.3	6.79	-73.09	141	1.2	0.2	117	8	LOS SANTOS (SANTANDER)
899	Sep 20 2017	03:43:50.9	4.10	-77.11	64	1.1	0.2	159	11	BUENAVENTURA (VALLE)
900	Sep 20 2017	04:51:49.5	6.78	-73.13	143	1.4	0.5	121	17	LOS SANTOS (SANTANDER)
901	Sep 20 2017	04:59:41.6	6.81	-73.08	147	1.9	0.7	70	38	LOS SANTOS (SANTANDER)
902	Sep 20 2017	05:18:32.9	4.59	-74.96	Sup	0.7	0.3	208	8	ALVARADO (TOLIMA)
903	Sep 20 2017	05:45: 6.1	6.78	-73.12	147	1.4	0.2	140	9	LOS SANTOS (SANTANDER)
904	Sep 20 2017	06:18: 1.3	6.79	-73.38	112	1.2	0.3	134	9	SAN VICENTE DE CHUCURI (SANTANDER)
905	Sep 20 2017	06:37:57.8	7.40	-73.85	72	2.7	0.7	70	63	CANTAGALLO (BOLIVAR)
906	Sep 20 2017	07:23:19.0	6.80	-72.99	146	1.7	0.5	132	19	CEPITA (SANTANDER)
907	Sep 20 2017	07:35:43.5	4.34	-76.60	57	1.2	0.2	247	10	SIPI (CHOCO)
908	Sep 20 2017	08:01:34.7	1.92	-75.82	39	1.6	0.2	121	10	SUAZA (HUILA)
909	Sep 20 2017	08:07:19.1	6.81	-73.13	141	1.2	0.3	137	9	LOS SANTOS (SANTANDER)
910	Sep 20 2017	09:06:54.6	5.80	-76.47	Sup	1.9	0.6	126	32	QUIBDO (CHOCO)
911	Sep 20 2017	09:43:41.5	6.72	-73.06	139	1.6	0.4	151	12	JORDAN (SANTANDER)
912	Sep 20 2017	09:55:50.2	3.83	-76.18	139	0.9	0.2	112	8	BUGA (VALLE)
913	Sep 20 2017	10:08:42.5	6.81	-73.13	148	1.8	0.5	112	22	LOS SANTOS (SANTANDER)
914	Sep 20 2017	10:32: 7.8	6.81	-73.30	119	1.9	0.2	127	11	ZAPATOCA (SANTANDER)
915	Sep 20 2017	10:52:52.7	8.41	-77.26	85	1.9	0.2	153	9	ACANDI (CHOCO)
916	Sep 20 2017	11:01:49.2	6.80	-73.13	145	3.6	0.8	55	87	ACANDI (CHOCO)
917	Sep 20 2017	11:12:37.4	4.63	-73.53	Sup	2.0	0.4	90	24	GACHALA (CUNDINAMARCA)
918	Sep 20 2017	11:19:31.2	6.72	-73.17	144	1.6	0.6	136	15	VILLANUEVA (SANTANDER)
919	Sep 20 2017	12:06: 3.4	9.81	-72.88	Sup	2.7	0.4	89	14	FRONTERA CON VENEZUELA
920	Sep 20 2017	12:11:10.9	10.14	-72.90	143	1.5	0.4	234	9	FRONTERA CON VENEZUELA
921	Sep 20 2017	13:01: 2.1	6.79	-73.09	144	1.6	0.3	161	13	LOS SANTOS (SANTANDER)
922	Sep 20 2017	13:10:37.2	6.80	-76.68	14	1.8	0.4	143	10	MURINDO (ANTIOQUIA)
923	Sep 20 2017	13:57:54.2	6.82	-73.15	143	1.3	0.2	134	9	LOS SANTOS (SANTANDER)
924	Sep 20 2017	14:47:34.1	6.80	-73.12	142	2.5	0.5	101	30	LOS SANTOS (SANTANDER)
925	Sep 20 2017	15:22: 8.5	6.70	-72.55	89	1.3	0.2	185	8	CARCASI (SANTANDER)
926	Sep 20 2017	15:45:21.7	6.77	-73.10	145	1.0	0.3	143	8	LOS SANTOS (SANTANDER)
927	Sep 20 2017	15:53:10.5	4.64	-73.54	Sup	1.4	0.4	138	11	GACHALA (CUNDINAMARCA)
928	Sep 20 2017	16:18:59.1	6.75	-73.12	146	1.4	0.4	142	9	LOS SANTOS (SANTANDER)
929	Sep 20 2017	16:40: 5.0	4.55	-75.99	10	2.1	0.6	109	27	OBANDO (VALLE)
930	Sep 20 2017	18:12: 5.1	7.62	-75.19	37	2.0	0.4	165	14	CACERES (ANTIOQUIA)
931	Sep 20 2017	18:57:17.3	6.78	-73.14	144	2.4	0.5	112	37	LOS SANTOS (SANTANDER)
932	Sep 20 2017	19:48:59.1	8.45	-73.98	18	2.5	0.6	102	29	ARENAL (BOLIVAR)
933	Sep 20 2017	20:32:52.5	6.80	-73.11	146	1.6	0.3	141	13	LOS SANTOS (SANTANDER)
934	Sep 20 2017	21:28:53.3	7.09	-74.39	20	1.3	0.1	139	9	SEGOVIA (ANTIOQUIA)
935	Sep 20 2017	21:50:19.6	6.78	-73.10	144	1.4	0.2	161	10	LOS SANTOS (SANTANDER)
936	Sep 20 2017	22:53:25.2	6.70	-73.75	16	2.0	0.4	84	20	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
937	Sep 20 2017	23:02:19.4	6.78	-73.11	147	1.5	0.2	141	14	LOS SANTOS (SANTANDER)
938	Sep 20 2017	23:30:47.0	6.79	-73.14	140	1.3	0.3	136	8	LOS SANTOS (SANTANDER)
939	Sep 21 2017	00:15:27.9	6.06	-75.99	19	1.6	0.7	181	15	BETULIA (ANTIOQUIA)
940	Sep 21 2017	00:58:51.7	6.81	-73.10	143	1.1	0.3	141	8	LOS SANTOS (SANTANDER)
941	Sep 21 2017	01:12:25.9	6.78	-73.06	147	1.5	0.4	127	13	LOS SANTOS (SANTANDER)
942	Sep 21 2017	01:41:37.8	6.81	-73.09	140	2.0	0.5	116	37	LOS SANTOS (SANTANDER)
943	Sep 21 2017	01:44:29.7	7.38	-76.08	Sup	1.6	0.8	117	22	MUTATA (ANTIOQUIA)
944	Sep 21 2017	02:42:11.1	2.01	-75.91	Sup	0.7	0.2	154	9	ELIAS (HUILA)
945	Sep 21 2017	03:36:54.8	11.06	-73.62	13	1.3	0.2	149	8	PUEBLO BELLO (CESAR)
946	Sep 21 2017	04:26:30.5	7.62	-72.08	Sup	2.1	0.5	195	21	FRONTERA CON VENEZUELA
947	Sep 21 2017	04:44: 7.9	6.77	-73.11	139	1.8	0.5	142	18	LOS SANTOS (SANTANDER)
948	Sep 21 2017	05:18:26.9	5.32	-73.93	128	1.1	0.2	228	8	CARMEN DE CARUPA (CUNDINAMARCA)
949	Sep 21 2017	06:36: 8.8	5.57	-73.65	145	1.1	0.3	124	16	TINJACA (BOYACA)
950	Sep 21 2017	07:09:55.6	6.70	-76.29	Sup	1.3	0.6	196	18	FRONTINO (ANTIOQUIA)
951	Sep 21 2017	07:52:21.5	6.80	-73.11	145	1.0	0.2	141	9	LOS SANTOS (SANTANDER)
952	Sep 21 2017	08:27: 8.1	6.78	-73.08	144	1.8	0.5	125	29	LOS SANTOS (SANTANDER)
953	Sep 21 2017	08:33:51.8	6.83	-73.11	144	1.9	0.6	114	28	LOS SANTOS (SANTANDER)
954	Sep 21 2017	08:44:55.0	7.74	-74.14	18	1.6	0.2	316	8	SANTA ROSA DEL SUR (BOLIVAR)
955	Sep 21 2017	09:33: 3.4	6.78	-73.09	157	1.2	0.3	144	12	LOS SANTOS (SANTANDER)
956	Sep 21 2017	11:20: 5.3	6.00	-76.71	Sup	1.7	0.5	228	13	MEDIO ATRATO (CHOCO)
957	Sep 21 2017	11:34:56.9	3.53	-77.57	Sup	2.2	0.6	158	15	O. PACIFICO SUR
958	Sep 21 2017	11:40:55.7	11.58	-73.12	63	1.9	0.3	195	10	MAR CARIBE
959	Sep 21 2017	12:08: 2.7	2.50	-75.57	18	1.4	0.4	136	12	GIGANTE (HUILA)
960	Sep 21 2017	12:31:16.0	8.08	-77.03	70	1.8	0.5	186	10	UNGUIA (CHOCO)
961	Sep 21 2017	13:06: 4.8	6.77	-73.10	144	1.6	0.3	144	10	LOS SANTOS (SANTANDER)
962	Sep 21 2017	14:25: 0.7	7.18	-76.19	Sup	1.5	0.7	148	10	DABEIBA (ANTIOQUIA)
963	Sep 21 2017	14:37:48.1	6.75	-73.14	136	1.8	0.4	113	12	LOS SANTOS (SANTANDER)
964	Sep 21 2017	14:57:27.6	6.78	-73.15	141	1.7	0.3	111	18	LOS SANTOS (SANTANDER)
965	Sep 21 2017	15:33:37.2	4.88	-76.18	104	1.9	0.6	91	29	SAN JOSE DEL PALMAR (CHOCO)
966	Sep 21 2017	16:40: 4.4	6.77	-73.11	141	1.4	0.4	142	10	LOS SANTOS (SANTANDER)
967	Sep 21 2017	17:13:39.8	6.35	-73.58	115	2.3	0.6	69	45	SANTA HELENA DEL OPO (SANTANDER)
968	Sep 21 2017	18:29:25.7	6.77	-73.10	140	1.5	0.3	117	10	LOS SANTOS (SANTANDER)
969	Sep 21 2017	19:02:55.3	6.79	-73.09	151	2.0	0.5	117	24	LOS SANTOS (SANTANDER)
970	Sep 21 2017	19:14: 3.3	4.74	-76.27	98	2.0	0.5	161	17	EL CAIRO (VALLE)
971	Sep 21 2017	19:14:22.4	6.77	-73.10	148	1.8	0.2	143	10	LOS SANTOS (SANTANDER)
972	Sep 21 2017	20:36: 0.4	5.73	-73.85	118	2.4	0.5	96	37	ALBANIA (SANTANDER)
973	Sep 21 2017	21:03:21.9	10.85	-72.87	24	1.9	0.3	154	10	MANAURE BALCON CESAR (CESAR)
974	Sep 21 2017	21:05:20.0	8.90	-74.78	Sup	2.2	0.4	98	14	SUCRE (SUCRE)
975	Sep 21 2017	22:01: 5.2	6.80	-73.15	148	2.0	0.3	135	17	LOS SANTOS (SANTANDER)
976	Sep 21 2017	22:31:25.4	6.76	-73.09	144	1.6	0.2	145	10	LOS SANTOS (SANTANDER)
977	Sep 21 2017	23:25: 2.4	8.55	-72.71	Sup	2.5	0.6	144	28	TIBU (N.SANTANDER)
978	Sep 21 2017	23:28:47.4	5.26	-73.73	151	2.2	0.4	77	29	CUCUNUBA (CUNDINAMARCA)
979	Sep 21 2017	23:43: 5.9	5.15	-74.61	19	1.1	0.3	126	10	GUADUAS (CUNDINAMARCA)
980	Sep 22 2017	00:46:51.9	3.56	-77.42	23	1.3	0.6	227	8	O. PACIFICO SUR
981	Sep 22 2017	01:24:11.3	5.69	-73.43	Sup	1.7	0.7	79	16	ARCABUCO (BOYACA)
982	Sep 22 2017	01:55:28.2	8.22	-75.94	23	2.8	0.7	223	20	TIERRALTA (CORDOBA)
983	Sep 22 2017	02:34: 2.0	3.51	-77.22	70	2.8	0.5	106	32	BUENAVENTURA (VALLE)
984	Sep 22 2017	02:41:14.9	4.71	-76.23	96	1.7	0.6	149	18	EL CAIRO (VALLE)
985	Sep 22 2017	02:51:14.5	6.79	-73.11	137	1.8	0.4	115	14	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
986	Sep 22 2017	03:11: 5.3	6.53	-73.71	102	1.7	0.3	94	12	SANTA HELENA DEL OPON (SANTANDER)
987	Sep 22 2017	05:53: 3.8	6.79	-73.12	146	1.6	0.3	139	18	LOS SANTOS (SANTANDER)
988	Sep 22 2017	06:41:35.4	4.51	-77.00	32	1.3	0.2	231	10	SIPI (CHOCO)
989	Sep 22 2017	07:09: 4.0	2.75	-75.07	17	1.0	0.8	291	6	RIVERA (HUILA)
990	Sep 22 2017	07:33:26.1	2.47	-75.52	Sup	1.1	0.3	73	12	GIGANTE (HUILA)
991	Sep 22 2017	07:53:20.7	2.01	-75.94	Sup	1.5	0.4	100	20	ELIAS (HUILA)
992	Sep 22 2017	09:24: 7.3	4.97	-76.20	109	1.2	0.4	143	13	SAN JOSE DEL PALMAR (CHOCO)
993	Sep 22 2017	09:29: 1.5	6.88	-73.38	21	1.2	0.7	112	14	SAN VICENTE DE CHUCURI (SANTANDER)
994	Sep 22 2017	09:42:10.2	4.84	-76.00	124	1.6	0.4	81	25	ANSERMANUEVO (VALLE)
995	Sep 22 2017	10:16:42.1	1.94	-75.94	16	1.6	0.6	108	22	TIMANA (HUILA)
996	Sep 22 2017	10:29:44.5	6.65	-73.19	137	1.4	0.4	219	9	VILLANUEVA (SANTANDER)
997	Sep 22 2017	10:55:22.5	4.44	-75.97	24	1.1	0.6	119	12	LA VICTORIA (VALLE)
998	Sep 22 2017	12:56: 5.1	11.14	-73.91	Sup	2.5	0.7	161	18	PUEBLO BELLO (CESAR)
999	Sep 22 2017	13:31:31.6	6.74	-73.10	137	1.7	0.6	144	14	LOS SANTOS (SANTANDER)
1000	Sep 22 2017	14:25:22.1	6.77	-73.14	142	1.8	0.4	113	20	LOS SANTOS (SANTANDER)
1001	Sep 22 2017	15:34:45.4	11.17	-73.91	Sup	1.5	0.6	167	10	PUEBLO BELLO (CESAR)
1002	Sep 22 2017	16:09:16.2	2.26	-75.93	Sup	1.8	0.3	120	14	LA ARGENTINA (HUILA)
1003	Sep 22 2017	17:16: 1.8	6.79	-73.15	145	1.7	0.5	111	15	LOS SANTOS (SANTANDER)
1004	Sep 22 2017	20:03:24.6	7.41	-73.18	132	2.2	0.3	147	30	EL PLAYON (SANTANDER)
1005	Sep 22 2017	20:46:10.1	8.87	-74.15	22	2.7	0.6	124	39	BARRANCO DE LOBA (BOLIVAR)
1006	Sep 22 2017	20:56:33.6	6.54	-73.50	116	1.5	0.2	88	13	EL CARMEN (SANTANDER)
1007	Sep 22 2017	21:00:49.3	6.90	-76.18	Sup	2.1	0.6	168	18	URAMITA (ANTIOQUIA)
1008	Sep 22 2017	21:10:49.8	1.37	-77.96	18	2.8	0.8	84	34	MALLAMA (NARINO)
1009	Sep 22 2017	21:26:55.4	6.86	-73.03	153	1.6	0.5	254	12	PIEDRECUESTA (SANTANDER)
1010	Sep 22 2017	22:10:39.9	6.77	-73.14	146	1.9	0.3	138	22	LOS SANTOS (SANTANDER)
1011	Sep 22 2017	22:33:58.8	3.45	-75.31	Sup	2.5	0.4	120	40	ATACO (TOLIMA)
1012	Sep 22 2017	22:56:50.7	6.39	-73.63	106	1.5	0.3	66	17	SANTA HELENA DEL OPON (SANTANDER)
1013	Sep 22 2017	23:36:48.2	6.77	-73.10	146	2.3	0.4	117	39	LOS SANTOS (SANTANDER)
1014	Sep 23 2017	00:18: 9.6	7.02	-73.06	160	1.4	0.2	132	9	PIEDRECUESTA (SANTANDER)
1015	Sep 23 2017	00:22:35.0	4.71	-76.70	Sup	1.5	0.6	237	10	SIPI (CHOCO)
1016	Sep 23 2017	02:25:48.4	7.37	-78.12	14	2.2	0.5	156	20	O. PACIFICO NORTE
1017	Sep 23 2017	02:49:36.3	7.59	-73.05	154	1.5	0.3	131	11	CACHIRA (N.SANTANDER)
1018	Sep 23 2017	03:54: 3.6	4.78	-76.12	91	1.1	0.4	107	11	ARGELIA (VALLE)
1019	Sep 23 2017	04:02:38.7	2.50	-75.40	22	1.7	0.6	92	19	HOBO (HUILA)
1020	Sep 23 2017	04:55:47.4	6.76	-73.12	143	1.5	0.3	237	8	LOS SANTOS (SANTANDER)
1021	Sep 23 2017	05:17:46.6	9.76	-74.69	46	4.4*	0.9	93	93	PLATO (MAGDALENA)
1022	Sep 23 2017	05:45:59.5	6.78	-73.10	146	2.0	0.3	143	16	LOS SANTOS (SANTANDER)
1023	Sep 23 2017	07:55:30.4	6.79	-73.14	145	1.2	0.4	137	11	LOS SANTOS (SANTANDER)
1024	Sep 23 2017	08:50:49.3	6.83	-73.08	145	1.6	0.3	250	8	LOS SANTOS (SANTANDER)
1025	Sep 23 2017	09:04:17.2	6.79	-73.12	148	1.9	0.4	122	13	LOS SANTOS (SANTANDER)
1026	Sep 23 2017	09:14:35.1	6.58	-73.52	118	3.2	0.5	68	30	EL CARMEN (SANTANDER)
1027	Sep 23 2017	09:19:16.6	9.05	-77.83	47	4.3*	0.5	146	86	FRONTERA CON PANAMA
1028	Sep 23 2017	09:40:28.5	6.77	-73.15	149	1.5	0.4	137	11	LOS SANTOS (SANTANDER)
1029	Sep 23 2017	10:09:17.8	6.91	-76.24	Sup	1.5	0.6	211	10	URAMITA (ANTIOQUIA)
1030	Sep 23 2017	10:21:20.0	6.92	-76.20	Sup	1.3	0.4	205	12	URAMITA (ANTIOQUIA)
1031	Sep 23 2017	10:23:43.7	6.93	-76.27	Sup	1.4	0.5	266	9	DABEIBA (ANTIOQUIA)
1032	Sep 23 2017	10:26:14.0	9.50	-73.79	78	1.7	0.5	169	14	EL PASO (CESAR)
1033	Sep 23 2017	10:28:26.2	5.06	-74.62	16	1.3	0.5	142	19	GUADUAS (CUNDINAMARCA)

*Magnitud de Momento (Mw)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1034	Sep 23 2017	12:09:52.3	6.69	-73.14	143	1.4	0.4	230	7	VILLANUEVA (SANTANDER)
1035	Sep 23 2017	13:03:18.1	4.39	-73.78	Sup	2.0	0.6	72	29	EL CALVARIO (META)
1036	Sep 23 2017	13:14:48.0	1.85	-76.08	Sup	3.2	0.7	79	58	PITALITO (HUILA)
1037	Sep 23 2017	13:23:21.5	1.97	-76.04	Sup	0.9	0.5	138	8	SALADOBLANCO (HUILA)
<u>1038</u>	<u>Sep 23 2017</u>	<u>13:24:16.0</u>	<u>4.95</u>	<u>-75.32</u>	<u>Sup</u>	<u>3.6</u>	<u>0.1</u>	<u>107</u>	<u>61</u>	<u>VOLCAN NEVADO DEL RUIZ</u>
1039	Sep 23 2017	14:32:54.8	6.75	-73.12	138	1.7	0.5	142	12	LOS SANTOS (SANTANDER)
1040	Sep 23 2017	15:53: 7.4	6.11	-73.30	153	1.9	0.4	64	20	SUAITA (SANTANDER)
1041	Sep 23 2017	16:28: 8.6	6.76	-73.17	137	1.6	0.4	241	13	LOS SANTOS (SANTANDER)
1042	Sep 23 2017	16:41:42.1	6.74	-73.15	142	2.2	0.6	113	32	LOS SANTOS (SANTANDER)
1043	Sep 23 2017	18:32:50.7	6.82	-73.08	135	1.8	0.4	219	10	LOS SANTOS (SANTANDER)
1044	Sep 23 2017	19:36:12.1	6.78	-73.17	137	1.5	0.4	109	12	LOS SANTOS (SANTANDER)
1045	Sep 23 2017	20:02:22.3	6.82	-73.12	148	2.2	0.7	113	28	LOS SANTOS (SANTANDER)
1046	Sep 23 2017	20:03:52.5	5.64	-73.48	Sup	2.0	0.6	93	30	VILLA DE LEIVA (BOYACA)
1047	Sep 23 2017	20:17:28.2	4.39	-73.71	Sup	1.4	0.3	178	15	EL CALVARIO (META)
1048	Sep 23 2017	21:38:52.9	6.83	-76.36	15	1.6	0.4	241	8	DABEIBA (ANTIOQUIA)
1049	Sep 23 2017	23:24:55.5	6.75	-73.14	146	1.6	0.5	138	12	LOS SANTOS (SANTANDER)
1050	Sep 23 2017	23:48:14.3	6.86	-73.13	151	2.8	0.6	65	57	LOS SANTOS (SANTANDER)
1051	Sep 24 2017	00:43:22.5	6.76	-73.10	142	1.6	0.2	144	8	LOS SANTOS (SANTANDER)
1052	Sep 24 2017	03:24:21.4	7.36	-73.36	110	1.7	0.4	178	12	SABANA DE TORRES (SANTANDER)
1053	Sep 24 2017	04:54:25.2	6.78	-73.12	135	1.6	0.4	139	14	LOS SANTOS (SANTANDER)
1054	Sep 24 2017	05:22:51.6	8.13	-75.51	22	1.6	0.4	237	8	BUENAVISTA (CORDOBA)
1055	Sep 24 2017	06:10:21.0	4.32	-77.90	39	1.8	0.3	299	8	O. PACIFICO CENTRO
1056	Sep 24 2017	07:48:39.3	3.68	-74.14	Sup	1.5	0.4	145	16	LEJANIAS (META)
1057	Sep 24 2017	07:56:23.1	6.84	-73.12	150	2.8	0.5	66	55	LOS SANTOS (SANTANDER)
1058	Sep 24 2017	08:46:56.6	2.46	-75.43	10	2.1	0.7	94	20	HOBO (HUILA)
1059	Sep 24 2017	08:51:33.4	3.97	-76.32	139	2.1	0.6	78	23	BUGA (VALLE)
1060	Sep 24 2017	09:12:14.9	6.76	-73.16	146	1.5	0.2	233	8	LOS SANTOS (SANTANDER)
1061	Sep 24 2017	09:42:36.2	6.69	-76.64	10	1.8	0.2	264	17	VIGIA DEL FUERTE (ANTIOQUIA)
1062	Sep 24 2017	09:52:26.1	6.78	-73.11	142	1.3	0.2	239	8	LOS SANTOS (SANTANDER)
1063	Sep 24 2017	09:54:47.8	5.78	-77.47	Sup	1.6	0.5	196	13	O. PACIFICO NORTE
1064	Sep 24 2017	10:25: 4.5	6.71	-73.16	148	1.5	0.3	229	10	VILLANUEVA (SANTANDER)
1065	Sep 24 2017	10:33:29.0	6.76	-73.12	134	1.0	0.4	237	8	LOS SANTOS (SANTANDER)
1066	Sep 24 2017	10:53:55.3	6.77	-73.02	139	1.5	0.4	248	10	CEPITA (SANTANDER)
1067	Sep 24 2017	11:15:40.6	2.00	-76.08	6	1.2	0.3	136	16	SALADOBLANCO (HUILA)
1068	Sep 24 2017	11:49:17.5	6.73	-73.16	140	1.3	0.3	230	9	VILLANUEVA (SANTANDER)
1069	Sep 24 2017	12:26: 7.1	3.90	-76.35	118	1.3	0.4	159	10	BUGA (VALLE)
1070	Sep 24 2017	12:46:13.6	6.47	-73.50	116	2.4	0.5	42	41	SIMACOTA (SANTANDER)
1071	Sep 24 2017	12:47:49.6	6.80	-73.11	141	1.8	0.4	215	15	LOS SANTOS (SANTANDER)
1072	Sep 24 2017	13:39:43.9	6.81	-73.05	147	2.0	0.5	120	29	LOS SANTOS (SANTANDER)
1073	Sep 24 2017	15:58:37.6	5.78	-76.52	12	1.7	0.6	213	15	QUIBDO (CHOCO)
1074	Sep 24 2017	16:48:39.6	6.76	-73.13	148	1.5	0.3	139	9	LOS SANTOS (SANTANDER)
1075	Sep 24 2017	16:50:59.1	6.79	-73.13	139	1.7	0.4	139	12	LOS SANTOS (SANTANDER)
1076	Sep 24 2017	16:53:11.2	8.84	-73.05	113	1.9	0.3	146	8	EL TARRA (N.SANTANDER)
1077	Sep 24 2017	17:48:22.9	6.79	-73.09	138	1.4	0.3	99	10	LOS SANTOS (SANTANDER)
1078	Sep 24 2017	19:05:34.3	6.73	-73.11	150	1.6	0.1	236	8	JORDAN (SANTANDER)
1079	Sep 24 2017	19:08:17.6	6.84	-73.10	143	2.4	0.5	68	44	LOS SANTOS (SANTANDER)
1080	Sep 24 2017	20:01:24.7	6.75	-73.13	149	1.5	0.2	235	10	LOS SANTOS (SANTANDER)
1081	Sep 24 2017	20:44:54.7	4.07	-76.28	124	1.6	0.4	146	16	RIOFRIO (VALLE)
1082	Sep 24 2017	21:07:22.6	2.10	-75.78	32	1.5	0.1	123	9	TARQUI (HUILA)
1083	Sep 24 2017	22:03:11.7	6.78	-73.09	150	1.8	0.3	124	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1084	Sep 24 2017	22:53:42.5	6.74	-73.14	147	1.4	0.3	139	8	LOS SANTOS (SANTANDER)
1085	Sep 24 2017	23:01:14.1	6.76	-73.11	147	1.5	0.2	142	11	LOS SANTOS (SANTANDER)
1086	Sep 25 2017	00:16:17.8	6.76	-73.13	143	1.8	0.4	139	18	LOS SANTOS (SANTANDER)
1087	Sep 25 2017	00:18:58.8	6.85	-73.49	121	1.5	0.5	100	13	SAN VICENTE DE CHUCURI (SANTANDER)
1088	Sep 25 2017	00:55:56.0	6.78	-73.11	147	1.3	0.3	239	9	LOS SANTOS (SANTANDER)
1089	Sep 25 2017	01:09:20.3	6.55	-73.51	135	1.1	0.4	158	7	EL CARMEN (SANTANDER)
1090	Sep 25 2017	01:54:46.3	6.70	-73.12	148	1.1	0.0	232	6	JORDAN (SANTANDER)
1091	Sep 25 2017	02:26:36.1	7.09	-74.75	9	1.0	0.5	125	10	SEGOVIA (ANTIOQUIA)
1092	Sep 25 2017	02:56:44.7	6.82	-73.13	144	2.2	0.6	104	42	LOS SANTOS (SANTANDER)
1093	Sep 25 2017	03:19: 8.8	6.81	-73.12	135	1.4	0.4	139	10	LOS SANTOS (SANTANDER)
1094	Sep 25 2017	03:19:28.1	3.59	-74.94	36	1.9	0.5	116	20	DOLORES (TOLIMA)
1095	Sep 25 2017	03:47: 4.7	3.38	-74.68	7	2.0	0.6	97	37	COLOMBIA (HUILA)
1096	Sep 25 2017	03:58: 9.9	10.77	-73.04	91	1.4	0.4	170	12	MANAURE BALCON CESAR (CESAR)
1097	Sep 25 2017	04:16:28.1	4.84	-73.49	Sup	1.4	0.5	255	8	UBALA (CUNDINAMARCA)
1098	Sep 25 2017	04:20: 2.1	6.81	-73.10	151	1.9	0.5	156	30	LOS SANTOS (SANTANDER)
1099	Sep 25 2017	04:32: 5.3	2.31	-76.77	12	1.3	0.2	152	9	ROSAS (CAUCA)
1100	Sep 25 2017	04:36:31.0	6.81	-73.09	147	1.3	0.2	243	8	LOS SANTOS (SANTANDER)
1101	Sep 25 2017	05:44:33.4	5.02	-74.81	32	1.0	0.2	189	6	ARMERO (TOLIMA)
1102	Sep 25 2017	06:11:32.5	6.10	-74.29	Sup	1.3	0.6	94	14	PUERTO NARE (ANTIOQUIA)
1103	Sep 25 2017	06:40: 2.1	6.91	-76.16	Sup	1.9	0.5	166	22	URAMITA (ANTIOQUIA)
1104	Sep 25 2017	06:48:56.8	4.56	-75.87	Sup	0.9	0.5	142	11	OBANDO (VALLE)
1105	Sep 25 2017	06:56:25.6	6.79	-73.16	147	1.3	0.2	235	7	LOS SANTOS (SANTANDER)
1106	Sep 25 2017	07:09:31.4	5.42	-73.78	144	2.0	0.6	50	32	FUQUENE (CUNDINAMARCA)
1107	Sep 25 2017	07:35:14.6	6.82	-73.09	148	2.0	0.5	188	29	LOS SANTOS (SANTANDER)
1108	Sep 25 2017	07:46:15.9	6.82	-73.11	151	1.7	0.4	186	25	LOS SANTOS (SANTANDER)
1109	Sep 25 2017	07:50:31.1	2.41	-75.49	23	1.1	0.4	155	9	GIGANTE (HUILA)
1110	Sep 25 2017	08:29:40.4	5.41	-73.78	138	1.8	0.4	120	24	FUQUENE (CUNDINAMARCA)
1111	Sep 25 2017	08:56:23.5	3.87	-73.66	Sup	1.5	0.5	86	18	CASTILLA LA NUEVA (META)
1112	Sep 25 2017	09:10:28.8	6.89	-73.04	143	1.2	0.4	275	8	PIEDRECUESTA (SANTANDER)
1113	Sep 25 2017	09:15: 8.8	8.39	-73.42	85	1.8	0.1	294	8	GONZALEZ (CESAR)
1114	Sep 25 2017	10:26:10.2	6.80	-73.15	142	1.7	0.4	111	20	LOS SANTOS (SANTANDER)
1115	Sep 25 2017	10:41:13.7	6.86	-73.10	148	1.9	0.6	109	22	LOS SANTOS (SANTANDER)
1116	Sep 25 2017	11:02:55.2	1.45	-76.54	Sup	1.1	0.4	153	13	SANTA ROSA (CAUCA)
1117	Sep 25 2017	13:40:44.9	4.43	-76.12	Sup	1.5	0.5	134	20	ROLDANILLO (VALLE)
1118	Sep 25 2017	14:36:29.1	6.86	-73.11	139	1.6	0.3	304	8	LOS SANTOS (SANTANDER)
1119	Sep 25 2017	15:18:54.4	6.78	-73.11	141	1.6	0.4	115	19	LOS SANTOS (SANTANDER)
1120	Sep 25 2017	17:24:53.2	7.20	-76.16	Sup	1.9	0.6	136	20	DABEIBA (ANTIOQUIA)
1121	Sep 25 2017	17:39:55.7	6.59	-73.34	Sup	0.9	0.3	142	7	HATO (SANTANDER)
1122	Sep 25 2017	18:19: 1.5	11.47	-71.87	50	2.2	0.3	261	10	MAR CARIBE
1123	Sep 25 2017	18:40:46.4	5.40	-73.75	143	2.1	0.5	92	26	FUQUENE (CUNDINAMARCA)
1124	Sep 25 2017	19:48:37.6	4.52	-75.69	12	1.5	0.5	82	18	ARMENIA (QUINDIO)
1125	Sep 25 2017	19:53: 8.4	6.81	-73.12	146	2.4	0.6	67	37	LOS SANTOS (SANTANDER)
1126	Sep 25 2017	21:01: 5.9	3.46	-76.43	131	1.8	0.3	146	12	CALI (VALLE)
1127	Sep 25 2017	22:42:27.5	6.94	-76.10	26	2.6	0.7	92	27	URAMITA (ANTIOQUIA)
1128	Sep 26 2017	00:17:46.7	6.47	-76.77	16	2.4	0.7	133	36	VIGIA DEL FUERTE (ANTIOQUIA)
1129	Sep 26 2017	00:32:12.2	8.22	-73.09	153	1.7	0.4	268	12	HACARI (N.SANTANDER)
1130	Sep 26 2017	00:33:50.4	6.79	-73.14	142	1.8	0.5	137	22	LOS SANTOS (SANTANDER)
1131	Sep 26 2017	00:43: 9.7	6.61	-74.11	Sup	1.1	0.5	128	9	PUERTO PARRA (SANTANDER)
1132	Sep 26 2017	00:54:55.0	6.81	-73.06	138	1.4	0.3	146	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1133	Sep 26 2017	01:15:17.7	6.78	-73.10	138	1.8	0.5	116	24	LOS SANTOS (SANTANDER)
1134	Sep 26 2017	01:25:43.6	5.29	-76.15	82	1.0	0.3	176	9	PUEBLO RICO (RISARALDA)
1135	Sep 26 2017	01:30:21.3	6.77	-73.11	144	1.5	0.5	142	14	LOS SANTOS (SANTANDER)
1136	Sep 26 2017	02:39:13.0	6.51	-72.51	Sup	1.3	0.5	183	14	EL ESPINO (BOYACA)
1137	Sep 26 2017	02:49:16.8	6.77	-73.09	148	1.2	0.4	144	11	LOS SANTOS (SANTANDER)
1138	Sep 26 2017	02:53:46.0	6.79	-73.09	150	1.7	0.4	144	20	LOS SANTOS (SANTANDER)
1139	Sep 26 2017	04:24:26.7	6.82	-76.21	Sup	1.4	0.7	159	17	URAMITA (ANTIOQUIA)
1140	Sep 26 2017	05:11:42.7	6.81	-73.13	144	2.2	0.6	112	40	LOS SANTOS (SANTANDER)
1141	Sep 26 2017	05:14:47.2	6.74	-73.11	146	1.3	0.3	143	9	LOS SANTOS (SANTANDER)
1142	Sep 26 2017	06:11:55.0	6.77	-72.85	138	1.2	0.3	263	11	SAN ANDRES (SANTANDER)
1143	Sep 26 2017	06:22: 2.6	6.80	-73.14	149	1.6	0.3	119	18	LOS SANTOS (SANTANDER)
1144	Sep 26 2017	06:23:41.3	3.84	-76.24	121	1.1	0.3	119	8	BUGA (VALLE)
1145	Sep 26 2017	06:29:39.8	3.46	-76.84	63	1.4	0.4	149	11	DAGUA (VALLE)
1146	Sep 26 2017	06:31:55.7	6.78	-73.13	144	1.4	0.3	139	15	LOS SANTOS (SANTANDER)
1147	Sep 26 2017	07:02:22.6	6.79	-73.14	149	2.1	0.6	112	40	LOS SANTOS (SANTANDER)
1148	Sep 26 2017	07:15:54.8	5.08	-76.25	40	1.3	0.5	185	18	SAN JOSE DEL PALMAR (CHOCO)
1149	Sep 26 2017	07:53: 3.1	7.31	-77.20	22	2.0	0.6	64	25	RIOSUCIO (CHOCO)
1150	Sep 26 2017	08:05:55.6	2.44	-75.47	19	1.8	0.5	84	20	GIGANTE (HUILA)
1151	Sep 26 2017	08:08:31.1	6.50	-75.21	Sup	1.2	0.3	148	8	SANTO DOMINGO (ANTIOQUIA)
1152	Sep 26 2017	08:12:10.9	6.80	-73.15	145	2.3	0.6	110	45	LOS SANTOS (SANTANDER)
1153	Sep 26 2017	08:20:47.3	6.84	-73.04	153	1.5	0.4	250	12	LOS SANTOS (SANTANDER)
1154	Sep 26 2017	08:24:48.0	6.73	-73.03	151	1.1	0.1	244	9	ARATOCA (SANTANDER)
1155	Sep 26 2017	10:02: 8.4	4.77	-76.12	95	1.6	0.5	73	28	ARGELIA (VALLE)
1156	Sep 26 2017	10:09:56.0	5.72	-73.90	103	1.6	0.4	93	16	TUNUNGUA (BOYACA)
1157	Sep 26 2017	10:18:56.5	4.04	-78.60	14	1.8	0.9	272	16	O. PACIFICO CENTRO
1158	Sep 26 2017	10:37:39.4	6.81	-73.09	142	1.6	0.4	244	11	LOS SANTOS (SANTANDER)
1159	Sep 26 2017	11:38: 8.4	6.77	-73.12	140	1.6	0.4	238	15	LOS SANTOS (SANTANDER)
1160	Sep 26 2017	12:07:51.7	6.78	-73.12	147	2.1	0.5	114	23	LOS SANTOS (SANTANDER)
1161	Sep 26 2017	14:11: 3.6	3.37	-74.79	17	3.2	0.6	64	56	COLOMBIA (HUILA)
1162	Sep 26 2017	14:11:57.5	3.41	-74.80	22	3.1	0.5	62	39	COLOMBIA (HUILA)
1163	Sep 26 2017	14:26:53.9	3.75	-76.76	60	1.3	0.4	124	8	DAGUA (VALLE)
1164	Sep 26 2017	14:51:44.1	6.72	-77.69	15	2.4	0.6	143	26	O. PACIFICO NORTE
1165	Sep 26 2017	14:53:53.3	6.81	-73.14	144	2.1	0.5	111	25	LOS SANTOS (SANTANDER)
1166	Sep 26 2017	15:35:26.1	6.58	-73.30	129	1.8	0.4	77	14	HATO (SANTANDER)
1167	Sep 26 2017	16:26:42.1	10.60	-73.54	7	2.3	0.3	113	10	PUEBLO BELLO (CESAR)
1168	Sep 26 2017	16:39:52.8	10.60	-73.54	Sup	2.6	0.5	115	14	PUEBLO BELLO (CESAR)
1169	Sep 26 2017	17:28:20.8	9.75	-73.43	141	2.1	0.1	127	8	BECERRIL (CESAR)
1170	Sep 26 2017	17:46:34.5	6.82	-73.12	143	1.6	0.4	138	14	LOS SANTOS (SANTANDER)
1171	Sep 26 2017	18:03:17.2	6.76	-73.14	138	1.2	0.2	139	8	LOS SANTOS (SANTANDER)
1172	Sep 26 2017	19:09:44.4	5.80	-75.92	51	1.8	0.3	156	8	HISPANIA (ANTIOQUIA)
1173	Sep 26 2017	19:32:21.2	6.80	-73.12	146	2.3	0.3	139	26	LOS SANTOS (SANTANDER)
1174	Sep 26 2017	21:24:15.0	6.62	-74.09	Sup	1.8	0.4	90	16	PUERTO PARRA (SANTANDER)
1175	Sep 26 2017	23:14:40.7	6.82	-73.13	145	2.6	0.6	66	42	LOS SANTOS (SANTANDER)
1176	Sep 27 2017	00:17:17.5	4.19	-76.11	Sup	0.8	0.4	122	8	BUGALAGRANDE (VALLE)
1177	Sep 27 2017	00:44: 0.6	1.91	-79.89	32	2.6	0.5	239	49	O. PACIFICO SUR
1178	Sep 27 2017	00:46: 4.1	6.81	-73.08	139	1.1	0.2	144	8	LOS SANTOS (SANTANDER)
1179	Sep 27 2017	00:48:24.9	5.28	-73.72	136	1.4	0.3	134	11	LENGUAZAQUE (CUNDINAMARCA)
1180	Sep 27 2017	01:02:45.6	6.79	-73.11	151	2.3	0.5	68	45	LOS SANTOS (SANTANDER)
1181	Sep 27 2017	01:04: 3.5	6.80	-73.09	143	1.6	0.3	142	12	LOS SANTOS (SANTANDER)
1182	Sep 27 2017	01:50: 6.8	5.71	-73.95	100	0.9	0.3	92	12	TUNUNGUA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1183	Sep 27 2017	02:18:41.8	6.76	-73.39	111	1.4	0.2	136	10	SAN VICENTE DE CHUCURI (SANTANDER)
1184	Sep 27 2017	02:23:28.6	6.85	-73.04	148	1.3	0.1	147	8	LOS SANTOS (SANTANDER)
1185	Sep 27 2017	02:24:40.1	6.75	-73.09	138	1.0	0.2	146	7	LOS SANTOS (SANTANDER)
1186	Sep 27 2017	02:38:58.4	4.82	-74.75	51	0.9	0.0	196	7	BELTRAN (CUNDINAMARCA)
1187	Sep 27 2017	03:07:56.0	6.83	-73.12	147	2.3	0.7	66	49	LOS SANTOS (SANTANDER)
1188	Sep 27 2017	03:47:39.1	6.83	-73.12	152	1.8	0.5	119	28	LOS SANTOS (SANTANDER)
1189	Sep 27 2017	04:32:52.4	1.92	-79.20	24	1.8	0.6	271	11	O. PACIFICO SUR
1190	Sep 27 2017	04:33:57.4	5.34	-74.42	7	1.1	0.2	260	8	LA PALMA (CUNDINAMARCA)
1191	Sep 27 2017	04:43:34.0	6.78	-73.12	138	1.5	0.4	141	12	LOS SANTOS (SANTANDER)
1192	Sep 27 2017	04:49:13.0	6.77	-73.12	146	1.7	0.4	115	25	LOS SANTOS (SANTANDER)
1193	Sep 27 2017	05:10:37.3	4.74	-76.25	40	1.3	0.4	156	15	EL CAIRO (VALLE)
1194	Sep 27 2017	05:31: 9.2	5.36	-75.92	18	1.2	0.2	132	12	MISTRATO (RISARALDA)
1195	Sep 27 2017	05:31:40.6	6.81	-76.22	Sup	1.3	0.5	175	12	URAMITA (ANTIOQUIA)
1196	Sep 27 2017	05:59: 0.8	6.42	-73.41	113	0.7	0.3	158	7	SIMACOTA (SANTANDER)
1197	Sep 27 2017	06:04:16.5	6.83	-73.08	146	2.0	0.6	70	35	LOS SANTOS (SANTANDER)
1198	Sep 27 2017	06:25:19.5	6.82	-73.17	146	1.2	0.2	132	8	ZAPATOCA (SANTANDER)
1199	Sep 27 2017	06:49:43.4	5.70	-77.77	50	2.0	0.4	208	19	O. PACIFICO NORTE
1200	Sep 27 2017	06:59:17.4	6.81	-73.14	148	1.9	0.5	119	29	LOS SANTOS (SANTANDER)
1201	Sep 27 2017	08:00:10.8	5.30	-72.76	Sup	1.1	0.4	96	10	PAJARITO (BOYACA)
1202	Sep 27 2017	08:12:18.1	6.82	-73.10	144	1.6	0.4	141	17	LOS SANTOS (SANTANDER)
1203	Sep 27 2017	08:45:23.4	6.18	-73.76	101	1.3	0.2	207	8	LANDAZURI (SANTANDER)
1204	Sep 27 2017	08:53:10.3	6.83	-73.26	125	1.5	0.3	112	10	ZAPATOCA (SANTANDER)
1205	Sep 27 2017	09:02:17.2	12.64	-73.19	32	2.0	0.2	273	14	MAR CARIBE
1206	Sep 27 2017	09:04:37.4	6.78	-73.13	147	1.5	0.3	139	14	LOS SANTOS (SANTANDER)
1207	Sep 27 2017	09:18:58.8	7.87	-72.24	Sup	1.4	0.3	301	8	FRONTERA CON VENEZUELA
1208	Sep 27 2017	09:46: 1.5	6.86	-73.02	143	1.3	0.2	253	7	CEPITA (SANTANDER)
1209	Sep 27 2017	09:56:39.7	6.82	-73.01	141	1.1	0.2	252	6	CEPITA (SANTANDER)
1210	Sep 27 2017	09:56:49.1	6.80	-73.15	147	1.4	0.2	237	6	LOS SANTOS (SANTANDER)
1211	Sep 27 2017	10:56:39.0	3.73	-76.89	22	1.3	0.5	146	8	DAGUA (VALLE)
1212	Sep 27 2017	11:02:29.6	2.48	-75.53	Sup	1.3	0.3	144	12	GIGANTE (HUILA)
1213	Sep 27 2017	11:22:53.7	6.83	-73.13	147	1.5	0.3	242	9	LOS SANTOS (SANTANDER)
1214	Sep 27 2017	11:38: 2.7	4.82	-76.22	102	1.2	0.2	260	8	EL CAIRO (VALLE)
1215	Sep 27 2017	11:53:31.6	11.38	-72.99	27	1.8	0.4	173	8	MANAURE BALCON CESAR (CESAR)
1216	Sep 27 2017	12:23:29.6	6.74	-73.14	138	1.5	0.4	233	10	LOS SANTOS (SANTANDER)
1217	Sep 27 2017	13:21:43.6	6.82	-73.16	136	1.5	0.5	132	10	LOS SANTOS (SANTANDER)
1218	Sep 27 2017	13:27:42.8	5.96	-76.81	Sup	1.5	0.4	236	11	MEDIO ATRATO (CHOCO)
1219	Sep 27 2017	13:44:30.6	6.85	-73.17	119	1.4	0.4	130	12	ZAPATOCA (SANTANDER)
1220	Sep 27 2017	14:16:34.2	6.80	-73.15	142	2.4	0.6	111	32	LOS SANTOS (SANTANDER)
1221	Sep 27 2017	14:43:22.9	6.78	-73.14	143	1.8	0.4	138	14	LOS SANTOS (SANTANDER)
1222	Sep 27 2017	14:52:55.5	6.81	-73.10	141	2.0	0.5	141	20	LOS SANTOS (SANTANDER)
1223	Sep 27 2017	15:12:38.7	4.48	-75.69	Sup	1.0	0.4	166	12	ARMENIA (QUINDIO)
1224	Sep 27 2017	16:20:32.5	6.80	-73.16	138	1.6	0.2	134	9	LOS SANTOS (SANTANDER)
1225	Sep 27 2017	17:05:11.4	6.78	-73.12	136	1.7	0.6	140	16	LOS SANTOS (SANTANDER)
1226	Sep 27 2017	17:36:16.5	6.80	-73.13	144	1.4	0.4	239	9	LOS SANTOS (SANTANDER)
1227	Sep 27 2017	17:46:37.0	6.83	-73.11	142	2.0	0.6	113	22	LOS SANTOS (SANTANDER)
1228	Sep 27 2017	18:58:38.6	6.75	-73.16	143	1.4	0.3	232	9	LOS SANTOS (SANTANDER)
1229	Sep 27 2017	19:15:39.4	5.96	-73.76	118	2.2	0.6	66	34	BOLIVAR (SANTANDER)
1230	Sep 27 2017	20:07: 3.3	6.86	-76.61	Sup	1.8	0.4	213	15	MURINDO (ANTIOQUIA)
1231	Sep 27 2017	20:18:36.5	6.34	-76.48	Sup	2.4	0.3	212	16	URRAO (ANTIOQUIA)
1232	Sep 27 2017	21:51:14.0	7.38	-72.02	Sup	3.5	0.4	303	10	FRONTERA CON VENEZUELA
1233	Sep 27 2017	23:17:47.7	6.81	-73.00	147	1.7	0.4	155	8	CEPITA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1234	Sep 28 2017	01:08:53.8	6.80	-76.22	Sup	1.3	0.4	196	9	FRONTINO (ANTIOQUIA)
1235	Sep 28 2017	01:15:37.1	6.75	-73.13	140	1.6	0.3	140	19	LOS SANTOS (SANTANDER)
1236	Sep 28 2017	02:07:38.5	6.74	-73.05	147	1.5	0.4	221	12	JORDAN (SANTANDER)
1237	Sep 28 2017	02:15:16.3	4.85	-74.48	Sup	0.9	0.2	228	10	GUAYABAL DE SIQUIMA (CUNDINAMARCA)
1238	Sep 28 2017	02:16:28.7	6.77	-73.12	142	2.3	0.3	97	40	LOS SANTOS (SANTANDER)
1239	Sep 28 2017	02:21:48.5	6.81	-73.13	146	2.9	0.6	55	64	LOS SANTOS (SANTANDER)
1240	Sep 28 2017	02:41:21.7	6.83	-73.08	146	1.1	0.3	143	7	LOS SANTOS (SANTANDER)
1241	Sep 28 2017	03:00:41.8	6.78	-73.08	149	1.9	0.4	97	29	LOS SANTOS (SANTANDER)
1242	Sep 28 2017	03:17:41.8	7.49	-73.42	15	1.3	0.4	245	8	SABANA DE TORRES (SANTANDER)
1243	Sep 28 2017	03:39:44.8	1.38	-77.92	29	1.7	0.4	189	12	MALLAMA (NARINO)
1244	Sep 28 2017	04:54:29.2	10.84	-73.82	8	2.0	0.8	115	13	PUEBLO BELLO (CESAR)
1245	Sep 28 2017	04:57:38.6	10.59	-73.55	105	1.8	0.5	170	7	PUEBLO BELLO (CESAR)
1246	Sep 28 2017	05:55:25.5	6.77	-73.08	141	1.5	0.1	145	6	LOS SANTOS (SANTANDER)
1247	Sep 28 2017	06:00:20.9	9.17	-73.00	Sup	2.5	0.7	167	31	LA JAGUA DE IBIRICO (CESAR)
<u>1248</u>	<u>Sep 28 2017</u>	<u>06:30:51.1</u>	<u>1.54</u>	<u>-76.88</u>	<u>Sup</u>	<u>2.8</u>	<u>0.1</u>	<u>208</u>	<u>16</u>	<u>VOLCAN LAS ANIMAS</u>
1249	Sep 28 2017	06:33:15.9	6.84	-73.20	137	1.0	0.4	190	7	ZAPATOCA (SANTANDER)
1250	Sep 28 2017	06:55:58.1	6.14	-73.65	114	1.0	0.1	136	10	LA PAZ (SANTANDER)
1251	Sep 28 2017	07:07: 8.0	6.83	-73.16	146	1.8	0.5	133	25	LOS SANTOS (SANTANDER)
1252	Sep 28 2017	07:46:28.0	6.66	-74.09	19	1.4	0.3	106	10	PUERTO PARRA (SANTANDER)
1253	Sep 28 2017	08:22:32.1	6.78	-73.12	149	1.4	0.3	141	11	LOS SANTOS (SANTANDER)
1254	Sep 28 2017	08:44:20.5	1.78	-76.47	Sup	0.8	0.8	229	6	SANTA ROSA (CAUCA)
1255	Sep 28 2017	08:50: 0.6	8.24	-73.52	96	1.4	0.5	257	11	AGUACHICA (CESAR)
1256	Sep 28 2017	09:49:38.6	6.82	-73.12	142	1.2	0.3	138	8	LOS SANTOS (SANTANDER)
1257	Sep 28 2017	12:23:34.9	5.25	-73.75	147	2.3	0.4	54	40	CUCUNUBA (CUNDINAMARCA)
1258	Sep 28 2017	12:35:43.0	5.57	-73.86	128	1.8	0.3	75	24	CALDAS (BOYACA)
1259	Sep 28 2017	12:37:36.6	6.67	-73.56	108	1.6	0.3	120	9	EL CARMEN (SANTANDER)
1260	Sep 28 2017	12:58:20.2	6.81	-73.16	145	1.7	0.6	109	18	LOS SANTOS (SANTANDER)
1261	Sep 28 2017	13:24:26.5	6.85	-73.14	149	2.1	0.6	110	28	LOS SANTOS (SANTANDER)
1262	Sep 28 2017	15:04:16.8	6.79	-73.13	147	1.4	0.1	138	9	LOS SANTOS (SANTANDER)
1263	Sep 28 2017	15:08: 1.3	6.77	-73.10	136	1.6	0.5	116	17	LOS SANTOS (SANTANDER)
1264	Sep 28 2017	15:43:46.2	6.93	-71.87	Sup	2.2	0.6	235	18	SARAVENA (ARAUCA)
1265	Sep 28 2017	16:07: 3.2	5.05	-78.42	32	3.0	0.7	149	76	O. PACIFICO CENTRO
1266	Sep 28 2017	16:13:31.4	5.00	-78.24	14	1.9	0.4	290	23	O. PACIFICO CENTRO
1267	Sep 28 2017	16:16:14.0	6.78	-73.08	145	1.1	0.2	146	10	LOS SANTOS (SANTANDER)
1268	Sep 28 2017	16:18:41.1	6.77	-73.07	142	1.3	0.4	147	11	LOS SANTOS (SANTANDER)
1269	Sep 28 2017	16:25:43.4	6.85	-73.12	138	1.4	0.2	244	8	LOS SANTOS (SANTANDER)
1270	Sep 28 2017	16:32:22.3	4.19	-75.52	188	1.4	0.4	103	18	RONCESVALLES (TOLIMA)
1271	Sep 28 2017	16:37:54.3	5.22	-74.61	12	1.2	0.3	124	12	HONDA (TOLIMA)
1272	Sep 28 2017	16:52:46.7	6.78	-73.07	141	1.5	0.3	146	10	LOS SANTOS (SANTANDER)
1273	Sep 28 2017	17:01:37.3	6.78	-73.10	145	1.7	0.3	143	14	LOS SANTOS (SANTANDER)
1274	Sep 28 2017	17:33:10.1	7.38	-75.31	12	2.9	0.8	69	60	CACERES (ANTIOQUIA)
1275	Sep 28 2017	23:40:23.2	6.79	-73.10	136	2.0	0.4	142	16	LOS SANTOS (SANTANDER)
1276	Sep 29 2017	00:30:34.1	5.61	-74.01	110	1.5	0.4	67	20	PAUNA (BOYACA)
1277	Sep 29 2017	00:36:19.8	6.32	-73.61	97	1.0	0.2	109	11	SANTA HELENA DEL OPO (SANTANDER)
1278	Sep 29 2017	00:48:57.3	6.81	-73.14	145	2.0	0.4	136	32	LOS SANTOS (SANTANDER)
1279	Sep 29 2017	02:15:23.8	3.68	-76.27	113	1.2	0.4	184	7	EL CERRITO (VALLE)
1280	Sep 29 2017	02:38:44.1	5.64	-77.68	32	1.9	0.6	188	18	O. PACIFICO NORTE
1281	Sep 29 2017	02:45: 3.5	3.61	-76.07	Sup	0.9	0.5	124	10	GINEBRA (VALE)
1282	Sep 29 2017	02:51:33.5	6.84	-76.20	Sup	2.1	0.6	158	33	URAMITA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1283	Sep 29 2017	02:59: 0.2	6.84	-76.30	Sup	2.3	0.7	96	43	URAMITA (ANTIOQUIA)
1284	Sep 29 2017	03:11:55.7	11.86	-72.87	22	1.5	0.4	218	8	MAR CARIBE
1285	Sep 29 2017	03:29:53.5	6.84	-76.28	Sup	1.0	0.7	180	10	URAMITA (ANTIOQUIA)
1286	Sep 29 2017	03:31:54.8	6.82	-76.24	Sup	1.2	0.9	177	16	URAMITA (ANTIOQUIA)
1287	Sep 29 2017	03:45:46.8	6.74	-73.09	139	1.2	0.3	146	8	LOS SANTOS (SANTANDER)
1288	Sep 29 2017	03:56: 6.9	6.82	-73.09	143	1.3	0.3	142	8	LOS SANTOS (SANTANDER)
1289	Sep 29 2017	04:50:41.1	6.84	-73.13	145	1.4	0.4	242	14	LOS SANTOS (SANTANDER)
1290	Sep 29 2017	05:06:47.3	5.03	-78.31	36	2.8	0.4	147	64	O. PACIFICO CENTRO
1291	Sep 29 2017	05:24:20.4	6.96	-73.06	155	1.3	0.3	255	7	PIEDRECUESTA (SANTANDER)
1292	Sep 29 2017	06:15:27.0	6.63	-73.64	99	1.4	0.4	104	14	EL CARMEN (SANTANDER)
1293	Sep 29 2017	06:17:38.3	6.64	-74.11	Sup	1.1	0.6	89	12	PUERTO PARRA (SANTANDER)
1294	Sep 29 2017	07:06:18.9	10.49	-72.12	12	1.5	0.2	230	8	FRONTERA CON VENEZUELA
1295	Sep 29 2017	07:37:14.7	6.86	-73.10	147	2.7	0.7	58	62	LOS SANTOS (SANTANDER)
1296	Sep 29 2017	08:12: 1.5	10.60	-73.37	78	1.6	0.3	124	8	PUEBLO BELLO (CESAR)
1297	Sep 29 2017	08:22:30.1	6.80	-73.15	137	1.1	0.4	237	7	LOS SANTOS (SANTANDER)
1298	Sep 29 2017	08:44:18.6	6.80	-73.05	150	1.4	0.5	226	11	LOS SANTOS (SANTANDER)
1299	Sep 29 2017	08:59:41.6	5.55	-75.46	Sup	0.5	0.5	179	7	PACORA (CALDAS)
1300	Sep 29 2017	10:17:23.2	3.42	-77.09	90	3.3	0.6	75	99	PACORA (CALDAS)
1301	Sep 29 2017	10:54:54.7	2.06	-75.76	Sup	1.4	0.4	101	11	ALTAMIRA (HUILA)
1302	Sep 29 2017	11:14:45.4	6.76	-73.13	147	1.4	0.2	140	11	LOS SANTOS (SANTANDER)
1303	Sep 29 2017	11:39:22.2	6.55	-73.47	117	2.4	0.6	68	43	EL CARMEN (SANTANDER)
1304	Sep 29 2017	11:58:53.6	4.77	-74.75	Sup	1.1	0.4	196	15	AMBALEMA (TOLIMA)
1305	Sep 29 2017	12:27:19.8	6.60	-72.16	Sup	1.8	0.5	150	18	GUICAN (BOYACA)
1306	Sep 29 2017	12:31:13.8	6.78	-73.11	139	1.4	0.2	162	8	LOS SANTOS (SANTANDER)
1307	Sep 29 2017	12:34:54.0	6.78	-73.11	148	1.4	0.4	141	12	LOS SANTOS (SANTANDER)
1308	Sep 29 2017	13:36: 5.3	4.79	-74.70	23	1.6	0.5	95	20	BELTRAN (CUNDINAMARCA)
1309	Sep 29 2017	13:52:59.5	6.79	-73.11	141	1.4	0.4	141	11	LOS SANTOS (SANTANDER)
1310	Sep 29 2017	14:05: 8.4	6.79	-73.12	139	1.6	0.4	140	14	LOS SANTOS (SANTANDER)
1311	Sep 29 2017	14:43: 8.7	6.79	-73.14	141	1.6	0.4	137	15	LOS SANTOS (SANTANDER)
1312	Sep 29 2017	15:20:59.7	2.32	-75.46	21	1.1	0.4	185	8	GIGANTE (HUILA)
1313	Sep 29 2017	16:58:50.9	6.78	-73.13	147	1.2	0.3	138	13	LOS SANTOS (SANTANDER)
1314	Sep 29 2017	17:58:20.6	6.84	-73.13	141	2.3	0.7	111	40	LOS SANTOS (SANTANDER)
1315	Sep 29 2017	22:34:48.4	6.63	-74.08	Sup	2.2	0.6	90	20	PUERTO PARRA (SANTANDER)
1316	Sep 29 2017	22:52: 3.2	6.83	-73.14	154	4.7*	0.6	56	104	LOS SANTOS (SANTANDER)
1317	Sep 29 2017	23:54:59.5	6.80	-73.11	144	2.5	0.6	215	22	LOS SANTOS (SANTANDER)
1318	Sep 30 2017	00:21:44.5	6.81	-73.10	143	1.8	0.4	217	16	LOS SANTOS (SANTANDER)
1319	Sep 30 2017	00:47:30.4	7.82	-72.98	177	2.1	0.4	196	21	VILLA CARO (N.SANTANDER)
1320	Sep 30 2017	00:52: 4.0	6.32	-73.57	115	1.4	0.2	109	11	SANTA HELENA DEL OPO (SANTANDER)
1321	Sep 30 2017	01:26:53.1	6.79	-73.13	147	2.2	0.4	113	35	LOS SANTOS (SANTANDER)
1322	Sep 30 2017	02:21:25.7	4.54	-73.56	Sup	1.1	0.4	169	8	SAN JUANITO (META)
1323	Sep 30 2017	02:21:32.0	6.51	-73.32	148	1.3	0.2	144	7	HATO (SANTANDER)
1324	Sep 30 2017	02:22:10.2	7.35	-73.25	122	1.4	0.2	258	6	EL PLAYON (SANTANDER)
1325	Sep 30 2017	02:35:30.5	6.59	-73.46	116	1.4	0.3	115	12	EL CARMEN (SANTANDER)
1326	Sep 30 2017	02:57:41.1	6.82	-73.05	145	1.4	0.3	222	12	LOS SANTOS (SANTANDER)
1327	Sep 30 2017	03:18:28.3	6.60	-73.21	146	1.4	0.2	151	7	CABRERA (SANTANDER)
1328	Sep 30 2017	03:43: 0.7	6.81	-73.11	147	1.8	0.4	216	23	LOS SANTOS (SANTANDER)
1329	Sep 30 2017	03:54:18.1	2.43	-75.55	14	1.0	0.4	139	10	GIGANTE (HUILA)
1330	Sep 30 2017	04:27:41.9	6.55	-73.05	143	1.4	0.3	199	9	CURITI (SANTANDER)
1331	Sep 30 2017	04:29:44.5	6.84	-73.13	152	2.6	0.5	65	51	LOS SANTOS (SANTANDER)

*Magnitud de Momento (Mw)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1332	Sep 30 2017	04:38:26.3	5.70	-76.82	Sup	1.6	0.4	265	12	QUIBDO (CHOCO)
1333	Sep 30 2017	04:38:26.4	5.70	-76.79	Sup	1.6	0.3	282	9	QUIBDO (CHOCO)
1334	Sep 30 2017	04:39:27.4	6.72	-73.12	134	1.4	0.4	234	12	JORDAN (SANTANDER)
1335	Sep 30 2017	04:42: 2.2	6.83	-73.13	146	1.8	0.5	186	26	LOS SANTOS (SANTANDER)
1336	Sep 30 2017	05:25:20.3	6.57	-73.48	114	1.6	0.4	110	23	EL CARMEN (SANTANDER)
1337	Sep 30 2017	05:39:58.1	6.84	-73.15	153	1.8	0.4	185	23	LOS SANTOS (SANTANDER)
1338	Sep 30 2017	06:32:51.7	6.81	-73.07	140	1.7	0.5	119	18	LOS SANTOS (SANTANDER)
1339	Sep 30 2017	06:39:53.3	5.41	-75.98	45	0.9	0.2	146	12	MISTRATO (RISARALDA)
1340	Sep 30 2017	07:05:15.1	6.50	-73.33	155	1.3	0.3	145	8	HATO (SANTANDER)
1341	Sep 30 2017	07:08:42.4	4.95	-72.95	Sup	1.2	0.5	165	8	MONTERREY (CASANARE)
1342	Sep 30 2017	08:06:35.7	2.03	-77.35	Sup	0.8	0.4	234	10	LEIVA (NARINO)
1343	Sep 30 2017	08:35: 3.0	2.32	-75.74	Sup	0.9	0.3	97	15	AGRADO (HUILA)
1344	Sep 30 2017	08:51:25.1	2.74	-76.32	117	1.1	0.1	238	8	JAMBALO (CAUCA)
1345	Sep 30 2017	09:18:59.3	6.82	-73.15	139	1.8	0.5	110	25	LOS SANTOS (SANTANDER)
1346	Sep 30 2017	09:33:34.3	6.82	-73.13	142	2.1	0.5	112	32	LOS SANTOS (SANTANDER)
1347	Sep 30 2017	09:47:46.4	6.87	-76.50	Sup	1.1	0.3	201	8	DABEIBA (ANTIOQUIA)
1348	Sep 30 2017	09:59:11.6	3.90	-71.51	Sup	2.9	0.7	226	63	PUERTO GAITAN (META)
1349	Sep 30 2017	10:39: 5.6	6.77	-73.17	147	1.4	0.3	135	7	LOS SANTOS (SANTANDER)
1350	Sep 30 2017	12:20:19.1	6.54	-73.40	121	1.3	0.2	135	6	HATO (SANTANDER)
1351	Sep 30 2017	12:41: 3.7	6.61	-74.08	Sup	1.5	0.3	103	14	PUERTO PARRA (SANTANDER)
1352	Sep 30 2017	13:57:15.9	4.78	-74.66	20	1.0	0.3	207	8	SAN JUAN DE RIOSECO (CUNDINAMARCA)
1353	Sep 30 2017	14:12:20.5	6.82	-73.16	145	2.1	0.4	109	24	LOS SANTOS (SANTANDER)
1354	Sep 30 2017	14:15:53.9	5.14	-76.74	29	1.3	0.7	232	12	MEDIO SAN JUAN (CHOCO)
1355	Sep 30 2017	14:21:17.1	6.26	-76.68	Sup	1.5	0.4	255	9	MEDIO ATRATO (CHOCO)
1356	Sep 30 2017	14:23:56.9	10.25	-73.41	105	1.8	0.3	130	9	PUEBLO BELLO (CESAR)
1357	Sep 30 2017	15:12:40.4	11.46	-72.87	Sup	1.5	0.4	178	9	MANAURE BALCON CESAR (CESAR)
1358	Sep 30 2017	16:18: 9.3	6.85	-73.09	145	1.5	0.4	250	9	LOS SANTOS (SANTANDER)
1359	Sep 30 2017	16:40:34.1	3.90	-76.79	40	1.3	0.5	111	11	DAGUA (VALLE)
1360	Sep 30 2017	16:58:14.4	6.89	-73.31	125	2.2	0.7	86	30	BETULIA (SANTANDER)
1361	Sep 30 2017	17:22:13.6	2.23	-78.85	61	1.7	0.4	239	12	O. PACIFICO SUR
1362	Sep 30 2017	18:35:49.7	6.64	-74.09	6	1.6	0.8	106	16	PUERTO PARRA (SANTANDER)
1363	Sep 30 2017	19:26:54.7	7.28	-78.25	7	2.0	0.6	213	11	JURADO (CHOCO)
1364	Sep 30 2017	19:37:34.3	3.71	-71.36	Sup	1.7	0.4	300	9	PUERTO GAITAN (META)
1365	Sep 30 2017	20:30: 9.8	7.08	-76.14	Sup	1.9	0.7	105	14	DABEIBA (ANTIOQUIA)