
BOLETÍN DE SISMOS

» JUNIO DE 2018

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Servicio Geológico Colombiano

BOGOTÁ, JULIO DE 2018

BOLETÍN DE SISMOS

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Presentación

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

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

Cordialmente,

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2 FUNCIONAMIENTO DE LAS ESTACIONES

2.1 Mapa de las estaciones



Figura 2.1: Localización de las estaciones de la RSNC. Las antenas rojas y azules representan las estaciones con sensores de banda ancha y corto periodo, respectivamente. Las antenas negras representan estaciones internacionales.

2.2 Histograma de funcionamiento de las estaciones

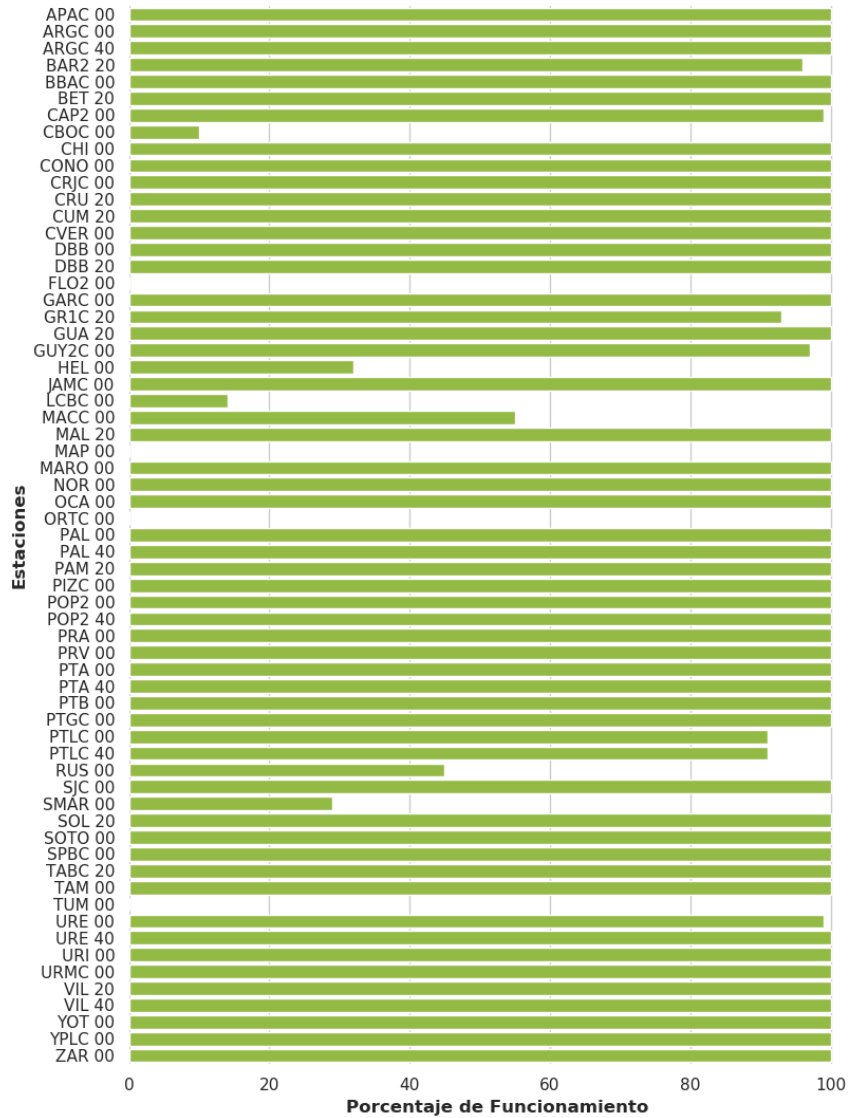


Figura 2.2: El porcentaje de funcionamiento es calculado en términos de la disponibilidad de los datos.

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SISMICIDAD DE JUNIO DE 2018

Durante el mes de junio se registraron 1294 eventos, de los cuales: 1211 corresponden a eventos locales, 11 a eventos regionales, 36 a eventos en el Océano Pacífico, 12 a eventos en el Mar Caribe y 24 a eventos Volcánicos. De los eventos localizados, 23 se determinaron como destacados, ver cuadro 3.1 y figura 3.1.

Un evento es denominado como destacado si:

1. El sismo tiene magnitud (M) mayor o igual a 4.0.
2. El sismo es reportado como sentido cerca al epicentro, sin importar su magnitud.
3. El sismo está asociado a sismicidad volcánica con manitud mayor o igual a 3.0.

Convenciones

FECHA	Año Mes Día
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.
LON	Longitud en grados.
Z	Profundidad en kilometros.
M	Promedio ponderado entre las magnitudes de momento Mw(mB), Mwp y la magnitud local MLr.
UBICACION	Epicentro del evento.

Nota

El promedio ponderado de las magnitudes se calcula de la siguiente manera:

$$M = \frac{\sum w_i M_i}{\sum w_i}$$

Donde $w_i = a_i \text{conteo_sta}(M_i) + b_i$. Los tipos de magnitud utilizados son:

- **MLr**: Magnitud local adecuada para Colombia (F. Rengifo y A. Ojeda, 2004).
- **Mw(mB)**: Estimación de magnitud Mw en base a la magnitud mB a través de la regresión Mw vs mB (Bormann y Saul, 2008).
- **Mw(Mwp)**: Estimación de magnitud Mw en base a la magnitud Mwp a través de la regresión Mw vs Mwp (Whitmore, 2002).

Las magnitudes Mw son consideradas para el cálculo de la magnitud promedio si se encuentran en al menos 4 estaciones. En caso contrario se deja la magnitud local. Para cualquier duda o comentario sobre el cálculo de magnitudes puede escribirnos a sismologo@sgc.gov.co.

3.1 Tabla de sismicidad destacada junio de 2018

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/02	06:45:00	1.24	-77.33	6.0	3.3	Volcán Galeras
2018/06/11	22:30:00	0.74	-77.91	8.0	2.7	Volcán Chiles
2018/06/12	09:35:00	1.24	-77.31	6.0	4.5	Volcán Galeras
2018/06/12	09:36:00	1.23	-77.32	3.0	4.3	Volcán Galeras
2018/06/12	13:02:00	1.23	-77.33	4.0	3.4	Volcán Galeras
2018/06/12	14:28:00	1.24	-77.34	5.0	2.6	Volcán Galeras
2018/06/12	23:15:00	1.24	-77.31	5.0	2.4	Volcán Galeras
2018/06/13	01:38:00	1.25	-77.31	5.0	3.7	Volcán Galeras
2018/06/13	05:31:00	1.25	-77.31	7.0	2.9	Volcán Galeras
2018/06/13	17:09:00	1.25	-77.31	6.0	2.7	Volcán Galeras
2018/06/13	18:19:00	1.25	-77.31	6.0	2.8	Volcán Galeras
2018/06/14	08:44:00	1.23	-77.31	4.0	3.4	Volcán Galeras
2018/06/15	03:59:00	1.25	-77.31	5.0	3.1	Pasto - Nariño
2018/06/15	05:33:00	1.25	-77.33	7.0	2.8	Volcán Galeras
2018/06/15	06:35:00	1.24	-77.33	6.0	3.0	Volcán Galeras
2018/06/17	17:39:00	1.24	-77.32	4.0	3.3	Volcán Galeras
2018/06/18	18:23:00	1.24	-77.34	3.0	3.3	Volcán Galeras
2018/06/20	03:47:42	3.55	-76.92	67.0	2.7	Buenaventura - Valle del Cauca
2018/06/20	20:12:13	6.97	-76.24	5.0	4.8	Dabeiba - Antioquia
2018/06/22	20:08:56	3.79	-76.3	73.0	3.7	Guacará - Valle del Cauca
2018/06/22	20:14:00	1.24	-77.33	7.0	2.1	Volcán Galeras
2018/06/22	20:51:00	1.25	-77.31	5.0	2.0	Volcán Galeras
2018/06/30	03:40:32	5.28	-74.72	0.0	2.1	Guaduas - Cundinamarca

Tabla 3.1: Eventos destacados durante junio de 2018

3.2 Mapa de sismicidad destacada junio de 2018



Figura 3.1: Eventos destacados durante junio de 2018

3.3 Tabla de sismicidad mensual junio de 2018

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/01	00:07:57	4.94	-76.27	100.0	1.7	San José del Palmar - Chocó
2018/06/01	01:01:43	6.22	-73.83	21.0	1.2	Landázuri - Santander
2018/06/01	01:06:45	5.9	-74.22	17.0	0.9	Bolívar - Santander
2018/06/01	01:12:12	6.78	-73.16	131.0	2.0	Los Santos - Santander
2018/06/01	01:42:39	3.7	-76.91	19.0	1.0	Buenaventura - Valle del Cauca
2018/06/01	01:46:33	6.83	-73.14	141.0	1.7	Los Santos - Santander
2018/06/01	03:04:43	6.74	-73.09	146.0	1.7	Los Santos - Santander
2018/06/01	03:57:33	4.75	-78.41	5.0	1.9	Océano Pacífico
2018/06/01	04:16:28	6.84	-73.13	135.0	1.9	Los Santos - Santander
2018/06/01	04:23:00	6.66	-73.19	160.0	1.5	Villanueva - Santander
2018/06/01	04:28:52	10.33	-73.4	95.0	1.6	Valledupar - Cesar
2018/06/01	04:47:12	7.53	-73.07	156.0	1.7	Suratá - Santander
2018/06/01	04:52:57	8.86	-72.79	183.0	1.8	Tibú - Norte de Santander
2018/06/01	06:26:52	6.74	-73.11	139.0	1.6	Los Santos - Santander
2018/06/01	06:36:00	6.79	-73.13	141.0	1.6	Los Santos - Santander
2018/06/01	07:42:53	6.78	-73.18	147.0	1.5	Los Santos - Santander
2018/06/01	08:23:27	5.71	-74.05	105.0	1.1	San Pablo de Borbur - Boyacá
2018/06/01	09:13:46	6.81	-73.12	134.0	2.1	Los Santos - Santander
2018/06/01	09:21:40	7.44	-73.62	102.0	0.6	Sabana de Torres - Santander
2018/06/01	09:53:35	11.31	-74.3	1.0	2.4	Mar Caribe
2018/06/01	10:18:22	6.68	-73.61	106.0	1.2	El Carmen - Santander
2018/06/01	10:22:49	6.76	-73.12	132.0	1.4	Los Santos - Santander
2018/06/01	10:35:11	6.72	-73.19	155.0	1.4	Villanueva - Santander
2018/06/01	10:44:07	9.79	-74.82	9.0	1.6	Zambrano - Bolívar
2018/06/01	11:37:37	7.1	-74.12	4.0	1.3	Yondó (Casabe) - Antioquia
2018/06/01	11:54:54	6.93	-73.1	145.0	1.5	Girón - Santander
2018/06/01	12:43:43	9.12	-74.54	19.0	1.7	Mompós - Bolívar
2018/06/01	13:02:54	6.75	-73.55	109.0	1.2	El Carmen - Santander
2018/06/01	13:06:52	6.76	-73.13	139.0	1.6	Los Santos - Santander
2018/06/01	13:21:24	6.95	-73.94	82.0	1.0	Barrancabermeja - Santander
2018/06/01	14:33:13	3.79	-76.19	107.0	1.0	Ginebra - Valle del Cauca
2018/06/01	14:48:14	6.79	-73.16	144.0	1.9	Los Santos - Santander
2018/06/01	15:00:22	3.55	-76.49	4.0	1.1	Yumbo - Valle del Cauca
2018/06/01	15:01:35	5.68	-74.37	79.0	1.8	Yacopí - Cundinamarca
2018/06/01	15:06:10	5.24	-77.67	23.0	1.5	Océano Pacífico
2018/06/01	16:31:22	7.4	-73.16	131.0	1.7	Rionegro - Santander
2018/06/01	17:35:14	6.79	-73.12	141.0	1.5	Los Santos - Santander
2018/06/01	18:31:41	9.93	-73.33	10.0	0.4	Agustín Codazzi - Cesar
2018/06/01	18:40:03	10.13	-73.07	0.0	1.8	La Paz - Cesar
2018/06/01	18:50:55	4.27	-77.8	21.0	1.1	Océano Pacífico
2018/06/01	19:12:43	6.72	-73.16	133.0	1.7	Villanueva - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/01	19:43:19	8.31	-74.34	66.0	1.6	Tiquisio (Puerto Rico) - Bolívar
2018/06/01	20:07:53	4.75	-76.41	74.0	1.9	San José del Palmar - Chocó
2018/06/01	21:51:59	4.49	-78.56	25.0	3.3	Océano Pacifico
2018/06/01	22:15:42	1.66	-76.82	2.0	1.5	Santa Rosa - Cauca
2018/06/01	23:39:10	4.86	-75.66	3.0	1.4	Dosquebradas - Risaralda
2018/06/02	00:23:04	5.72	-73.97	109.0	1.1	Tununguá - Boyacá
2018/06/02	00:39:18	6.85	-73.09	147.0	1.5	Los Santos - Santander
2018/06/02	00:40:43	7.39	-73.16	130.0	1.5	Rionegro - Santander
2018/06/02	00:47:22	4.94	-74.78	21.0	0.7	Armero (Guayabal) - Tolima
2018/06/02	01:00:37	6.85	-73.11	142.0	2.8	Los Santos - Santander
2018/06/02	01:15:32	10.42	-73.49	83.0	1.8	Pueblo Bello - Cesar
2018/06/02	01:17:29	6.81	-73.12	142.0	1.6	Los Santos - Santander
2018/06/02	01:48:08	6.82	-73.25	146.0	1.5	Zapatoca - Santander
2018/06/02	02:36:46	6.82	-73.16	146.0	2.1	Los Santos - Santander
2018/06/02	03:09:06	7.58	-73.86	26.0	1.2	San Pablo - Bolívar
2018/06/02	03:22:10	6.82	-73.16	143.0	1.3	Los Santos - Santander
2018/06/02	03:25:40	6.81	-73.14	147.0	2.1	Los Santos - Santander
2018/06/02	03:38:32	3.55	-76.8	79.0	1.3	Dagua - Valle del Cauca
2018/06/02	03:40:30	6.83	-73.11	146.0	1.4	Los Santos - Santander
2018/06/02	03:55:45	3.08	-77.08	14.0	1.4	López - Cauca
2018/06/02	04:11:31	6.71	-76.85	79.0	1.9	Murindó - Antioquia
2018/06/02	04:57:26	6.9	-73.15	133.0	1.0	Girón - Santander
2018/06/02	05:13:10	3.34	-76.19	81.0	1.0	Florida - Valle del Cauca
2018/06/02	06:07:16	3.16	-76.98	16.0	1.2	Buenaventura - Valle del Cauca
2018/06/02	06:09:11	7.76	-74.1	66.0	1.3	Simití - Bolívar
2018/06/02	06:29:11	7.28	-75.59	68.0	1.4	Ituango - Antioquia
2018/06/02	06:45:00	1.24	-77.33	6.0	3.3	Volcán Galeras
2018/06/02	07:01:54	6.78	-73.15	139.0	1.2	Los Santos - Santander
2018/06/02	07:03:43	6.49	-73.82	63.0	1.6	Landázuri - Santander
2018/06/02	07:19:14	4.8	-76.14	63.0	1.3	El Cairo - Valle del Cauca
2018/06/02	07:22:23	5.8	-76.52	2.0	1.3	Quibdó - Chocó
2018/06/02	07:32:50	6.81	-73.16	145.0	1.7	Los Santos - Santander
2018/06/02	07:34:26	6.77	-73.18	142.0	1.4	Los Santos - Santander
2018/06/02	08:03:56	6.78	-73.14	144.0	1.5	Los Santos - Santander
2018/06/02	08:17:32	6.77	-73.14	141.0	1.6	Los Santos - Santander
2018/06/02	08:24:46	0.56	-78.68	8.0	2.2	Colombia-Ecuador
2018/06/02	08:25:48	7.45	-75.13	-2.0	2.4	Cáceres - Antioquia
2018/06/02	08:50:21	6.76	-73.13	139.0	1.3	Los Santos - Santander
2018/06/02	09:06:11	8.43	-73.64	101.0	1.4	Gamarra - Cesar
2018/06/02	09:14:09	4.4	-75.05	11.0	0.9	Ibagué - Tolima
2018/06/02	10:17:05	8.23	-72.77	0.0	1.6	Sardinata - Norte de Santander
2018/06/02	10:35:13	3.92	-76.57	63.0	1.8	Calima (El Darién) - Valle del Cauca
2018/06/02	10:42:09	3.93	-76.78	85.0	1.5	Calima (El Darién) - Valle del Cauca
2018/06/02	10:45:17	5.27	-73.75	152.0	1.7	Cucunubá - Cundinamarca
2018/06/02	10:52:06	6.8	-73.12	137.0	1.8	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/02	11:07:04	2.36	-75.47	6.0	1.1	Gigante - Huila
2018/06/02	11:16:11	3.67	-77.0	76.0	2.1	Buenaventura - Valle del Cauca
2018/06/02	12:05:20	7.1	-78.05	4.0	1.9	Océano Pacífico
2018/06/02	12:07:59	6.85	-73.16	146.0	1.2	Los Santos - Santander
2018/06/02	13:06:25	6.66	-74.08	9.0	1.0	Puerto Parra - Santander
2018/06/02	13:21:44	6.87	-73.08	145.0	1.6	Los Santos - Santander
2018/06/02	13:37:35	7.96	-74.28	48.0	0.9	Montecristo - Bolívar
2018/06/02	14:30:13	4.73	-76.18	87.0	1.5	El Cairo - Valle del Cauca
2018/06/02	15:58:06	5.76	-73.97	99.0	1.7	Florián - Santander
2018/06/02	16:03:39	6.82	-73.21	147.0	1.3	Zapatoca - Santander
2018/06/02	16:58:49	5.26	-73.74	150.0	1.5	Cucunubá - Cundinamarca
2018/06/02	17:27:21	6.78	-73.17	141.0	1.3	Los Santos - Santander
2018/06/02	17:45:44	6.82	-73.14	152.0	1.5	Los Santos - Santander
2018/06/02	18:04:56	6.82	-73.15	142.0	1.7	Los Santos - Santander
2018/06/02	18:35:32	11.22	-74.01	0.0	1.9	Santa Marta - Magdalena
2018/06/02	18:42:17	5.14	-77.51	18.0	1.5	Océano Pacífico
2018/06/02	19:35:10	2.03	-75.99	0.0	1.3	Oporapa - Huila
2018/06/02	20:04:33	6.89	-76.65	6.0	1.5	Murindó - Antioquia
2018/06/02	20:55:45	6.8	-73.13	139.0	1.5	Los Santos - Santander
2018/06/02	21:22:59	6.79	-73.12	146.0	2.0	Los Santos - Santander
2018/06/02	21:26:13	6.93	-73.15	139.0	1.9	Girón - Santander
2018/06/02	21:32:17	6.04	-74.1	0.0	1.8	Sucre - Santander
2018/06/02	21:48:39	4.05	-75.14	10.0	1.3	San Luis - Tolima
2018/06/02	21:51:56	6.8	-73.17	140.0	2.0	Los Santos - Santander
2018/06/02	22:17:26	8.71	-74.07	64.0	1.1	San Martin de Loba - Bolívar
2018/06/02	22:50:22	11.19	-72.81	-2.0	1.6	Riohacha - la Guajira
2018/06/02	23:52:57	7.14	-73.4	126.0	1.4	Girón - Santander
2018/06/03	00:06:16	4.28	-77.92	56.0	1.5	Océano Pacífico
2018/06/03	00:27:18	6.78	-73.14	139.0	1.6	Los Santos - Santander
2018/06/03	00:41:21	6.77	-73.17	143.0	1.8	Los Santos - Santander
2018/06/03	00:47:44	8.86	-73.53	102.0	1.9	Pailitas - Cesar
2018/06/03	02:38:01	6.72	-73.24	145.0	1.7	Zapatoca - Santander
2018/06/03	03:32:51	6.11	-74.04	48.0	1.1	El Peñón - Santander
2018/06/03	04:26:58	5.96	-73.59	121.0	1.4	Barbosa - Santander
2018/06/03	04:56:29	6.78	-73.09	141.0	1.4	Los Santos - Santander
2018/06/03	05:01:15	4.99	-77.97	0.0	1.8	Océano Pacífico
2018/06/03	06:02:24	6.82	-73.13	144.0	1.5	Los Santos - Santander
2018/06/03	06:26:30	6.85	-73.67	24.0	1.6	San Vicente de Chucurí - Santander
2018/06/03	08:13:43	6.79	-73.13	138.0	1.8	Los Santos - Santander
2018/06/03	08:33:51	6.54	-74.76	16.0	1.5	Maceo - Antioquia
2018/06/03	08:37:13	6.68	-73.18	146.0	1.5	Villanueva - Santander
2018/06/03	08:41:03	7.73	-75.68	25.0	0.9	Puerto Libertador - Córdoba
2018/06/03	08:49:13	5.93	-74.64	3.0	1.5	Puerto Triunfo - Antioquia
2018/06/03	09:28:40	6.81	-73.09	137.0	1.6	Los Santos - Santander
2018/06/03	11:38:39	8.6	-73.72	42.0	1.1	La Gloria - Cesar

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/03	12:14:41	6.81	-73.17	140.0	2.0	Los Santos - Santander
2018/06/03	13:23:23	6.51	-73.48	107.0	1.3	Simacota - Santander
2018/06/03	14:10:06	3.29	-74.54	16.0	1.1	Uribe - Meta
2018/06/03	14:26:51	4.15	-76.33	74.0	0.9	Riofrío - Valle del Cauca
2018/06/03	14:59:57	7.33	-75.11	49.0	1.5	Anorí - Antioquia
2018/06/03	16:06:49	8.86	-73.92	49.0	1.6	El Peñón - Bolívar
2018/06/03	17:40:19	6.72	-73.2	133.0	1.6	Villanueva - Santander
2018/06/03	18:15:46	6.8	-73.16	146.0	1.5	Los Santos - Santander
2018/06/03	19:01:08	2.96	-73.91	0.0	2.3	Vistahermosa - Meta
2018/06/03	19:19:04	6.57	-73.2	147.0	1.5	Barichara - Santander
2018/06/03	19:36:18	6.82	-73.14	139.0	1.6	Los Santos - Santander
2018/06/03	20:13:59	6.78	-73.16	143.0	1.4	Los Santos - Santander
2018/06/03	21:26:49	7.37	-73.49	107.0	1.7	Sabana de Torres - Santander
2018/06/03	21:44:21	11.41	-73.32	23.0	1.9	Mar Caribe
2018/06/03	23:15:58	6.83	-73.14	139.0	2.3	Los Santos - Santander
2018/06/03	23:35:24	6.9	-73.2	111.0	1.8	Zapatoca - Santander
2018/06/03	23:41:59	7.65	-73.38	111.0	2.7	La Esperanza - Norte de Santander
2018/06/04	00:16:28	6.8	-73.15	143.0	1.9	Los Santos - Santander
2018/06/04	00:36:42	7.91	-73.19	8.0	0.8	Ábrego - Norte de Santander
2018/06/04	00:55:21	7.15	-76.91	12.0	1.8	Carmen del Darién (Curbaradó) - Chocó
2018/06/04	01:23:36	6.5	-73.78	97.0	1.3	Vélez - Santander
2018/06/04	01:41:02	6.79	-73.18	145.0	1.5	Los Santos - Santander
2018/06/04	02:26:24	4.89	-76.26	104.0	1.1	San José del Palmar - Chocó
2018/06/04	03:03:43	6.84	-73.13	142.0	2.7	Los Santos - Santander
2018/06/04	03:14:47	6.8	-73.21	152.0	1.6	Zapatoca - Santander
2018/06/04	03:35:50	6.82	-73.15	139.0	2.0	Los Santos - Santander
2018/06/04	04:15:38	4.6	-76.5	40.0	1.1	Sipí - Chocó
2018/06/04	04:41:05	6.78	-73.4	121.0	1.5	San Vicente de Chucurí - Santander
2018/06/04	04:49:15	3.16	-75.88	0.0	1.1	Planadas - Tolima
2018/06/04	04:50:53	3.44	-74.55	0.0	1.2	Uribe - Meta
2018/06/04	05:44:05	6.8	-73.17	147.0	1.5	Los Santos - Santander
2018/06/04	06:13:46	6.82	-73.17	146.0	1.8	Los Santos - Santander
2018/06/04	06:24:29	8.14	-73.35	129.0	1.4	Ocaña - Norte de Santander
2018/06/04	06:46:39	6.79	-73.19	152.0	1.4	Los Santos - Santander
2018/06/04	07:57:28	6.33	-73.52	108.0	1.9	Contratación - Santander
2018/06/04	08:24:10	6.88	-73.33	108.0	1.8	Zapatoca - Santander
2018/06/04	08:58:52	4.42	-75.03	1.0	1.0	Piedras - Tolima
2018/06/04	09:07:43	6.8	-73.17	144.0	1.5	Los Santos - Santander
2018/06/04	10:01:42	6.72	-73.2	147.0	1.4	Barichara - Santander
2018/06/04	10:02:49	6.78	-73.2	95.0	1.2	Los Santos - Santander
2018/06/04	10:07:43	7.02	-76.2	12.0	1.1	Dabeiba - Antioquia
2018/06/04	10:22:11	6.85	-73.13	143.0	1.4	Los Santos - Santander
2018/06/04	10:33:31	6.84	-73.15	143.0	1.8	Los Santos - Santander
2018/06/04	10:56:07	6.71	-73.22	141.0	1.7	Barichara - Santander
2018/06/04	11:18:53	6.82	-73.17	139.0	1.5	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/04	11:33:02	6.83	-73.15	141.0	1.4	Los Santos - Santander
2018/06/04	11:38:21	10.96	-73.85	1.0	1.7	Santa Marta - Magdalena
2018/06/04	12:14:19	4.63	-76.28	130.0	1.8	Versalles - Valle del Cauca
2018/06/04	12:35:17	6.43	-73.31	140.0	2.0	Simacota - Santander
2018/06/04	13:18:34	4.98	-76.0	116.0	1.6	La Celia - Risaralda
2018/06/04	13:43:41	6.79	-73.13	151.0	1.4	Los Santos - Santander
2018/06/04	13:50:33	6.62	-73.2	133.0	1.4	Barichara - Santander
2018/06/04	13:55:43	6.91	-76.34	-2.0	1.1	Dabeiba - Antioquia
2018/06/04	15:29:53	6.79	-73.09	136.0	1.7	Los Santos - Santander
2018/06/04	15:39:19	6.79	-73.21	147.0	1.3	Zapatoca - Santander
2018/06/04	15:52:03	6.85	-73.16	149.0	1.5	Los Santos - Santander
2018/06/04	16:36:59	6.33	-72.24	0.0	3.1	Tame - Arauca
2018/06/04	17:12:28	6.6	-73.24	135.0	1.3	Barichara - Santander
2018/06/04	17:47:09	6.81	-73.14	144.0	2.2	Los Santos - Santander
2018/06/04	18:20:24	5.43	-73.76	138.0	1.9	Fúquene - Cundinamarca
2018/06/04	18:27:33	1.73	-76.64	16.0	1.5	Santa Rosa - Cauca
2018/06/04	18:28:19	6.8	-73.16	144.0	2.0	Los Santos - Santander
2018/06/04	19:49:07	6.83	-73.13	140.0	2.0	Los Santos - Santander
2018/06/04	20:34:01	5.03	-72.78	8.0	1.6	Tauramena - Casanare
2018/06/04	21:53:10	4.84	-76.34	98.0	1.4	San José del Palmar - Chocó
2018/06/04	22:47:01	7.47	-73.2	134.0	1.1	El Playón - Santander
2018/06/04	23:04:33	8.63	-73.63	96.0	1.2	La Gloria - Cesar
2018/06/04	23:43:23	7.66	-75.04	-0.0	1.9	Cáceres - Antioquia
2018/06/05	00:09:21	9.06	-74.13	32.0	1.0	El Banco - Magdalena
2018/06/05	00:36:03	6.88	-76.82	15.0	1.4	Carmen del Darién (Curbaradó) - Chocó
2018/06/05	01:52:07	8.49	-74.09	68.0	1.3	Norosi - Bolívar
2018/06/05	03:02:48	7.92	-73.12	137.0	1.9	Ábrego - Norte de Santander
2018/06/05	03:41:15	4.31	-75.56	2.0	1.0	Cajamarca - Tolima
2018/06/05	03:45:00	12.1	-72.15	0.0	2.0	Mar Caribe
2018/06/05	04:13:37	9.05	-73.97	81.0	1.0	El Banco - Magdalena
2018/06/05	04:32:47	6.77	-73.14	141.0	1.6	Los Santos - Santander
2018/06/05	04:37:52	6.77	-73.17	137.0	1.4	Los Santos - Santander
2018/06/05	05:09:42	8.46	-73.57	104.0	1.3	Aguachica - Cesar
2018/06/05	05:25:00	6.82	-73.13	143.0	2.2	Los Santos - Santander
2018/06/05	06:02:09	4.42	-75.02	11.0	1.2	Piedras - Tolima
2018/06/05	07:57:00	7.91	-74.34	51.0	1.0	Montecristo - Bolívar
2018/06/05	10:16:10	4.38	-76.65	2.0	1.3	Istmina - Chocó
2018/06/05	10:18:00	6.78	-73.19	144.0	1.3	Los Santos - Santander
2018/06/05	10:45:05	6.81	-73.17	139.0	1.5	Los Santos - Santander
2018/06/05	10:45:18	2.47	-75.35	7.0	1.0	Algeciras - Huila
2018/06/05	11:54:45	9.71	-74.26	50.0	1.4	Nueva Granada - Magdalena
2018/06/05	12:59:37	4.75	-73.42	27.0	1.3	Ubalá - Cundinamarca
2018/06/05	13:29:41	5.26	-73.74	148.0	1.9	Cucunubá - Cundinamarca
2018/06/05	13:56:00	7.35	-73.53	34.0	0.8	Sabana de Torres - Santander
2018/06/05	14:40:11	7.92	-73.61	45.0	1.1	San Martín - Cesar

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/05	14:45:36	6.82	-73.09	131.0	1.8	Los Santos - Santander
2018/06/05	17:39:08	6.93	-73.49	111.0	0.9	San Vicente de Chucurí - Santander
2018/06/05	17:45:05	2.71	-74.38	0.0	2.7	Uribe - Meta
2018/06/05	17:55:41	2.15	-75.69	-0.0	1.5	Altamira - Huila
2018/06/05	18:20:57	6.79	-73.16	139.0	2.5	Los Santos - Santander
2018/06/05	20:13:59	5.43	-73.78	142.0	1.8	Fúquene - Cundinamarca
2018/06/05	20:36:44	3.05	-74.46	-0.0	2.2	Uribe - Meta
2018/06/05	20:50:54	6.86	-73.15	146.0	2.5	Los Santos - Santander
2018/06/05	21:07:26	6.78	-73.12	143.0	3.2	Los Santos - Santander
2018/06/05	21:58:08	6.96	-73.15	136.0	1.9	Girón - Santander
2018/06/05	22:04:09	6.8	-73.19	143.0	1.5	Los Santos - Santander
2018/06/05	22:57:15	6.74	-73.22	141.0	1.9	Zapatoca - Santander
2018/06/05	23:38:20	6.91	-76.16	-0.0	1.4	Uramita - Antioquia
2018/06/05	23:42:48	9.96	-73.33	14.0	1.0	Agustín Codazzi - Cesar
2018/06/06	01:37:23	4.15	-75.93	147.0	1.4	Tuluá - Valle del Cauca
2018/06/06	02:41:16	6.83	-73.16	143.0	1.8	Los Santos - Santander
2018/06/06	04:08:03	7.2	-76.19	-2.0	2.8	Ituango - Antioquia
2018/06/06	04:24:26	7.62	-75.64	0.0	1.1	San Jose de Ure - Córdoba
2018/06/06	04:50:35	6.85	-73.16	145.0	1.8	Los Santos - Santander
2018/06/06	04:58:28	6.83	-73.15	139.0	2.5	Los Santos - Santander
2018/06/06	05:02:46	7.23	-72.98	22.0	0.6	Tona - Santander
2018/06/06	05:11:03	8.56	-73.58	98.0	1.0	La Gloria - Cesar
2018/06/06	06:10:48	4.27	-75.26	11.0	1.4	Rovira - Tolima
2018/06/06	07:15:26	6.78	-73.15	145.0	2.2	Los Santos - Santander
2018/06/06	08:11:41	5.78	-74.07	127.0	1.1	Pauna - Boyacá
2018/06/06	08:56:05	6.74	-73.18	143.0	1.4	Villanueva - Santander
2018/06/06	09:05:02	7.09	-76.2	-0.0	1.6	Dabeiba - Antioquia
2018/06/06	09:18:51	2.87	-78.11	4.0	1.7	Océano Pacífico
2018/06/06	09:23:40	5.11	-76.09	57.0	2.1	San José del Palmar - Chocó
2018/06/06	09:39:44	6.74	-73.18	143.0	1.5	Villanueva - Santander
2018/06/06	09:47:31	7.23	-73.84	31.0	0.9	Barrancabermeja - Santander
2018/06/06	09:49:29	6.75	-71.9	4.0	1.3	Fortul - Arauca
2018/06/06	10:13:44	6.82	-73.18	140.0	1.3	Zapatoca - Santander
2018/06/06	10:42:47	5.0	-76.19	93.0	2.4	San José del Palmar - Chocó
2018/06/06	11:27:20	6.92	-73.11	141.0	1.3	Girón - Santander
2018/06/06	12:05:59	6.78	-73.15	143.0	1.6	Los Santos - Santander
2018/06/06	12:40:35	6.79	-73.18	142.0	1.4	Los Santos - Santander
2018/06/06	12:42:35	8.15	-74.34	32.0	1.3	Montecristo - Bolívar
2018/06/06	12:52:36	6.84	-73.17	145.0	2.1	Los Santos - Santander
2018/06/06	13:00:06	4.89	-76.15	104.0	2.1	San José del Palmar - Chocó
2018/06/06	13:07:32	6.75	-73.1	133.0	1.4	Los Santos - Santander
2018/06/06	13:31:35	7.02	-75.25	7.0	1.2	Campamento - Antioquia
2018/06/06	14:14:30	6.87	-73.18	148.0	1.8	Zapatoca - Santander
2018/06/06	14:45:59	6.89	-73.07	143.0	1.5	Piedecuesta - Santander
2018/06/06	15:01:33	7.0	-73.12	138.0	1.7	Girón - Santander

FECHA	H:M:S	LAT	LOH	Z	M	UBICACION
2018/06/06	16:07:57	6.84	-73.16	142.0	1.5	Los Santos - Santander
2018/06/06	17:42:28	6.38	-73.41	118.0	1.2	Chima - Santander
2018/06/06	17:58:15	6.58	-73.54	112.0	1.3	El Carmen - Santander
2018/06/06	18:17:50	6.77	-73.16	138.0	2.2	Los Santos - Santander
2018/06/06	18:22:35	5.03	-72.91	0.0	1.4	Monterrey - Casanare
2018/06/06	18:46:34	6.73	-73.11	141.0	1.8	Los Santos - Santander
2018/06/06	19:34:23	6.79	-73.18	144.0	1.5	Los Santos - Santander
2018/06/06	20:25:14	6.36	-73.57	109.0	1.6	Santa Helena del Opón - Santander
2018/06/06	20:38:47	7.08	-76.11	0.0	1.6	Dabeiba - Antioquia
2018/06/06	21:02:44	7.26	-73.17	2.0	1.5	Rionegro - Santander
2018/06/06	21:54:22	7.14	-76.17	2.0	3.0	Ituango - Antioquia
2018/06/06	23:41:33	6.83	-73.17	148.0	1.6	Los Santos - Santander
2018/06/07	01:55:12	6.82	-73.15	146.0	1.6	Los Santos - Santander
2018/06/07	02:14:23	3.93	-76.86	54.0	1.1	Buenaventura - Valle del Cauca
2018/06/07	03:13:03	5.98	-73.56	129.0	1.3	San José de Pare - Boyacá
2018/06/07	03:40:05	5.95	-72.39	-2.0	1.3	Chita - Boyacá
2018/06/07	04:31:31	7.13	-76.16	-2.0	1.3	Ituango - Antioquia
2018/06/07	05:05:59	6.8	-73.09	134.0	1.9	Los Santos - Santander
2018/06/07	06:24:37	6.78	-73.17	134.0	1.4	Los Santos - Santander
2018/06/07	06:31:42	6.79	-73.13	137.0	1.4	Los Santos - Santander
2018/06/07	06:45:24	7.08	-76.17	0.0	1.4	Dabeiba - Antioquia
2018/06/07	06:53:22	8.84	-73.68	91.0	1.5	Tamalameque - Cesar
2018/06/07	07:01:21	6.52	-73.53	107.0	2.0	Simacota - Santander
2018/06/07	07:23:45	6.04	-73.79	107.0	1.4	El Peñón - Santander
2018/06/07	07:44:44	6.81	-73.14	146.0	1.8	Los Santos - Santander
2018/06/07	07:44:48	4.28	-76.66	86.0	1.1	El Litoral del San Juan (Docordó) - Chocó
2018/06/07	07:55:07	6.78	-73.13	131.0	1.6	Los Santos - Santander
2018/06/07	08:39:55	6.22	-74.45	62.0	1.4	Bolivar - Santander
2018/06/07	09:08:43	6.68	-73.21	147.0	3.6	Barichara - Santander
2018/06/07	09:19:21	6.77	-73.13	147.0	1.4	Los Santos - Santander
2018/06/07	09:59:16	6.78	-73.17	142.0	1.4	Los Santos - Santander
2018/06/07	10:11:45	6.81	-73.12	143.0	1.3	Los Santos - Santander
2018/06/07	10:18:29	7.75	-73.0	170.0	1.6	Cáchira - Norte de Santander
2018/06/07	10:25:36	6.76	-73.11	140.0	1.3	Los Santos - Santander
2018/06/07	10:58:04	6.78	-73.17	146.0	1.4	Los Santos - Santander
2018/06/07	11:04:07	6.97	-73.13	130.0	1.4	Girón - Santander
2018/06/07	11:12:09	4.9	-77.67	25.0	1.5	Océano Pacífico
2018/06/07	12:00:18	6.7	-73.2	145.0	1.4	Barichara - Santander
2018/06/07	12:03:04	5.43	-74.12	27.0	1.4	Paime - Cundinamarca
2018/06/07	12:57:50	3.59	-76.87	48.0	1.4	Buenaventura - Valle del Cauca
2018/06/07	13:48:03	6.65	-73.2	140.0	1.3	Barichara - Santander
2018/06/07	17:55:20	5.27	-73.75	154.0	2.1	Cucunubá - Cundinamarca
2018/06/07	19:08:03	7.13	-76.05	0.0	1.3	Dabeiba - Antioquia
2018/06/07	19:55:14	4.67	-76.23	107.0	2.1	Versalles - Valle del Cauca
2018/06/07	21:46:18	6.76	-73.06	128.0	1.6	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/07	22:12:53	6.81	-73.61	104.0	1.2	El Carmen - Santander
2018/06/07	22:25:24	5.96	-73.78	109.0	1.1	Bolívar - Santander
2018/06/07	22:32:15	4.06	-71.74	0.0	2.1	Puerto Gaitán - Meta
2018/06/07	23:17:35	6.82	-73.15	138.0	2.3	Los Santos - Santander
2018/06/08	00:18:36	4.03	-71.69	0.0	1.8	Puerto Gaitán - Meta
2018/06/08	00:30:16	3.5	-77.21	90.0	1.3	Buenaventura - Valle del Cauca
2018/06/08	01:26:15	5.64	-78.09	4.0	2.6	Océano Pacifico
2018/06/08	05:02:53	6.61	-73.18	142.0	1.4	Barichara - Santander
2018/06/08	05:17:04	4.87	-76.24	100.0	1.5	San José del Palmar - Chocó
2018/06/08	05:18:07	6.83	-73.15	145.0	3.4	Los Santos - Santander
2018/06/08	05:22:06	6.79	-73.17	145.0	2.1	Los Santos - Santander
2018/06/08	05:55:41	6.83	-73.14	142.0	2.3	Los Santos - Santander
2018/06/08	06:32:49	6.81	-73.17	146.0	2.0	Los Santos - Santander
2018/06/08	07:03:25	8.33	-73.55	99.0	1.3	Aguachica - Cesar
2018/06/08	07:39:56	4.01	-76.49	126.0	1.2	Calima (El Darién) - Valle del Cauca
2018/06/08	07:43:16	7.19	-76.94	18.0	1.6	Carmen del Darién (Curbaradó) - Chocó
2018/06/08	07:50:35	6.73	-73.22	141.0	1.6	Barichara - Santander
2018/06/08	09:43:50	6.83	-73.13	144.0	3.4	Los Santos - Santander
2018/06/08	10:25:38	7.44	-73.03	130.0	1.3	Matanza - Santander
2018/06/08	10:38:48	6.54	-73.41	112.0	1.1	Hato - Santander
2018/06/08	10:46:18	6.82	-73.14	139.0	2.2	Los Santos - Santander
2018/06/08	11:24:32	6.83	-73.15	149.0	1.5	Los Santos - Santander
2018/06/08	12:49:43	7.4	-73.17	136.0	1.4	Rionegro - Santander
2018/06/08	14:28:28	7.14	-73.36	112.0	1.1	Girón - Santander
2018/06/08	15:01:26	12.56	-72.75	33.0	2.8	Mar Caribe
2018/06/08	15:44:47	5.1	-76.07	54.0	1.7	Santuario - Risaralda
2018/06/08	17:23:26	6.44	-73.69	95.0	2.4	Vélez - Santander
2018/06/08	18:00:47	10.58	-73.37	84.0	1.7	Valledupar - Cesar
2018/06/08	20:14:21	6.71	-73.14	131.0	1.7	Jordán - Santander
2018/06/08	20:15:12	6.8	-73.15	143.0	1.4	Los Santos - Santander
2018/06/08	20:31:03	8.1	-73.38	111.0	1.1	San Martín - Cesar
2018/06/08	21:34:21	6.79	-73.13	139.0	1.8	Los Santos - Santander
2018/06/08	21:42:38	6.82	-73.18	146.0	1.4	Los Santos - Santander
2018/06/08	21:58:03	2.19	-79.8	40.0	2.2	Océano Pacifico
2018/06/08	22:06:21	4.3	-76.8	0.0	1.5	El Litoral del San Juan (Docordó) - Chocó
2018/06/08	22:32:32	8.81	-73.6	18.0	1.2	Pelaya - Cesar
2018/06/08	22:54:24	6.8	-73.13	137.0	2.1	Los Santos - Santander
2018/06/08	23:11:01	8.12	-73.56	107.0	1.2	Rio de Oro - Cesar
2018/06/08	23:56:47	6.81	-73.14	141.0	3.1	Los Santos - Santander
2018/06/09	00:58:26	6.87	-73.14	145.0	2.0	Los Santos - Santander
2018/06/09	03:04:34	6.82	-73.12	147.0	2.5	Los Santos - Santander
2018/06/09	03:08:55	3.57	-74.46	11.0	1.3	Uribe - Meta
2018/06/09	03:26:40	6.83	-73.13	144.0	2.4	Los Santos - Santander
2018/06/09	04:02:38	7.65	-72.41	-0.0	2.2	Norte Colombia
2018/06/09	04:57:16	7.64	-72.52	0.0	1.9	Ragonvalia - Norte de Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/09	05:22:23	3.12	-77.86	30.0	1.2	Océano Pacífico
2018/06/09	06:07:18	6.82	-73.16	141.0	1.8	Los Santos - Santander
2018/06/09	06:26:31	3.8	-76.99	54.0	1.3	Buenaventura - Valle del Cauca
2018/06/09	08:13:13	6.91	-73.14	142.0	1.7	Girón - Santander
2018/06/09	08:28:19	6.65	-72.16	0.0	1.4	Guicán - Boyacá
2018/06/09	08:37:17	6.79	-73.14	141.0	1.5	Los Santos - Santander
2018/06/09	08:46:05	4.73	-73.42	0.0	1.4	Gachalá - Cundinamarca
2018/06/09	09:23:55	7.45	-73.13	137.0	2.0	El Playón - Santander
2018/06/09	09:46:03	6.8	-73.18	142.0	1.6	Los Santos - Santander
2018/06/09	10:34:17	5.63	-73.74	121.0	1.6	Chiquiquirá - Boyacá
2018/06/09	10:36:59	6.79	-73.15	141.0	2.3	Los Santos - Santander
2018/06/09	11:39:29	6.81	-73.05	134.0	1.6	Los Santos - Santander
2018/06/09	11:52:27	5.81	-73.94	107.0	1.8	Florián - Santander
2018/06/09	12:31:25	6.85	-73.17	143.0	1.5	Los Santos - Santander
2018/06/09	13:14:47	8.54	-74.39	0.0	1.7	Achí - Bolívar
2018/06/09	13:32:05	6.82	-73.02	131.0	1.4	Los Santos - Santander
2018/06/09	13:37:21	6.67	-73.55	118.0	1.3	El Carmen - Santander
2018/06/09	13:37:40	6.83	-73.1	146.0	1.6	Los Santos - Santander
2018/06/09	14:08:35	6.78	-73.15	137.0	1.8	Los Santos - Santander
2018/06/09	14:12:24	6.33	-73.6	116.0	1.4	Santa Helena del Opón - Santander
2018/06/09	14:45:10	6.83	-73.09	156.0	1.5	Los Santos - Santander
2018/06/09	15:08:29	4.78	-77.73	18.0	1.9	Océano Pacífico
2018/06/09	15:40:16	7.93	-74.2	7.0	1.1	Santa Rosa del Sur - Bolívar
2018/06/09	16:49:40	2.22	-79.48	20.0	2.9	Océano Pacífico
2018/06/09	17:24:13	6.48	-76.78	24.0	1.5	Bojayá (Bellavista) - Chocó
2018/06/09	17:31:28	6.83	-73.15	144.0	1.6	Los Santos - Santander
2018/06/09	18:41:23	6.1	-73.75	110.0	1.5	Vélez - Santander
2018/06/09	18:46:01	6.81	-73.14	143.0	3.2	Los Santos - Santander
2018/06/09	18:59:38	6.79	-73.1	140.0	1.6	Los Santos - Santander
2018/06/09	19:07:19	9.65	-73.55	2.0	1.4	El Paso - Cesar
2018/06/09	19:19:47	7.41	-76.95	11.0	1.6	Ríosucio - Chocó
2018/06/09	20:30:20	6.76	-73.11	138.0	1.4	Los Santos - Santander
2018/06/09	20:43:54	9.14	-73.6	93.0	2.1	Curumaní - Cesar
2018/06/09	20:55:57	6.48	-73.46	115.0	1.6	Simacota - Santander
2018/06/09	21:03:28	3.76	-76.63	62.0	1.4	La Cumbre - Valle del Cauca
2018/06/09	21:12:00	6.8	-73.11	153.0	1.5	Los Santos - Santander
2018/06/09	21:17:35	6.8	-73.16	143.0	3.5	Los Santos - Santander
2018/06/09	21:23:31	3.63	-76.82	27.0	1.3	Dagua - Valle del Cauca
2018/06/09	21:39:14	5.8	-75.79	3.0	2.3	Jericó - Antioquia
2018/06/09	21:47:32	6.56	-73.49	112.0	3.3	El Carmen - Santander
2018/06/09	23:30:16	6.86	-73.1	141.0	2.1	Los Santos - Santander
2018/06/10	00:30:22	7.11	-73.15	149.0	2.0	Bucaramanga - Santander
2018/06/10	02:00:20	6.86	-73.13	143.0	1.2	Los Santos - Santander
2018/06/10	02:13:25	6.23	-74.09	80.0	1.1	Cimitarra - Santander
2018/06/10	02:19:30	6.87	-73.13	143.0	2.5	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/10	02:48:27	6.79	-73.19	151.0	1.6	Los Santos - Santander
2018/06/10	03:38:09	6.81	-73.17	145.0	1.5	Los Santos - Santander
2018/06/10	04:01:07	6.95	-76.24	-0.0	1.6	Uramita - Antioquia
2018/06/10	04:16:21	1.86	-77.03	4.0	1.0	Bolívar - Cauca
2018/06/10	04:23:41	6.95	-78.1	5.0	2.3	Océano Pacífico
2018/06/10	04:47:25	6.81	-73.16	147.0	1.8	Los Santos - Santander
2018/06/10	05:25:44	7.04	-76.23	-0.0	1.5	Dabeiba - Antioquia
2018/06/10	05:28:43	6.97	-76.25	-0.0	1.6	Dabeiba - Antioquia
2018/06/10	07:28:57	6.46	-73.5	119.0	1.3	Simacota - Santander
2018/06/10	07:29:47	8.71	-73.15	115.0	1.8	Teorama - Norte de Santander
2018/06/10	08:04:34	6.95	-76.64	0.0	1.6	Murindó - Antioquia
2018/06/10	09:03:41	2.09	-75.61	7.0	1.2	Garzón - Huila
2018/06/10	09:59:05	4.44	-76.42	118.0	1.3	Bolívar - Valle del Cauca
2018/06/10	10:06:25	7.62	-73.1	144.0	1.7	Cáchira - Norte de Santander
2018/06/10	10:40:11	6.78	-73.14	145.0	1.9	Los Santos - Santander
2018/06/10	10:49:46	6.82	-73.14	145.0	1.5	Los Santos - Santander
2018/06/10	10:55:59	5.26	-73.73	150.0	1.9	Lenguazaque - Cundinamarca
2018/06/10	11:35:57	6.96	-73.17	140.0	1.4	Girón - Santander
2018/06/10	12:27:48	6.86	-73.14	150.0	1.5	Los Santos - Santander
2018/06/10	12:30:41	7.63	-73.86	86.0	1.1	San Pablo - Bolívar
2018/06/10	12:35:11	7.42	-77.2	67.0	1.8	Riosucio - Chocó
2018/06/10	12:37:07	6.6	-74.16	-0.0	1.3	Cimitarra - Santander
2018/06/10	12:58:53	6.81	-73.17	141.0	1.7	Los Santos - Santander
2018/06/10	14:01:30	2.27	-75.69	-0.0	1.8	Agrado - Huila
2018/06/10	14:18:53	6.82	-73.18	147.0	1.3	Los Santos - Santander
2018/06/10	15:19:14	7.27	-72.7	-1.0	1.6	Cácota - Norte de Santander
2018/06/10	17:18:17	6.57	-74.04	29.0	1.2	Cimitarra - Santander
2018/06/10	17:20:15	6.84	-73.13	146.0	1.8	Los Santos - Santander
2018/06/10	17:36:22	4.27	-75.24	6.0	1.5	Rovira - Tolima
2018/06/10	17:42:30	4.24	-76.79	26.0	1.5	El Litoral del San Juan (Docordó) - Chocó
2018/06/10	18:05:09	6.88	-73.16	146.0	1.5	Los Santos - Santander
2018/06/10	18:26:35	5.68	-73.99	118.0	1.3	Pauna - Boyacá
2018/06/10	19:10:45	4.63	-76.29	117.0	1.7	Versalles - Valle del Cauca
2018/06/10	19:16:00	6.61	-73.53	116.0	1.4	El Carmen - Santander
2018/06/10	19:56:18	6.82	-73.15	140.0	2.2	Los Santos - Santander
2018/06/10	20:39:08	6.79	-73.13	140.0	2.2	Los Santos - Santander
2018/06/10	20:44:29	6.8	-73.22	146.0	1.7	Zapatoca - Santander
2018/06/10	20:46:54	6.62	-73.52	114.0	1.5	El Carmen - Santander
2018/06/10	21:33:30	7.53	-75.36	79.0	1.3	Tarazá - Antioquia
2018/06/10	22:22:22	5.02	-75.28	-2.0	1.2	Herveo - Tolima
2018/06/10	23:12:21	6.76	-73.16	139.0	1.6	Los Santos - Santander
2018/06/10	23:33:21	4.09	-74.06	-1.0	2.4	Gutiérrez - Cundinamarca
2018/06/10	23:43:54	4.81	-76.19	95.0	1.9	El Cairo - Valle del Cauca
2018/06/11	00:44:51	6.81	-73.15	142.0	1.6	Los Santos - Santander
2018/06/11	01:05:25	0.76	-77.94	0.0	1.4	Colombia-Ecuador

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/11	01:14:45	2.31	-75.57	3.0	1.4	Gigante - Huila
2018/06/11	01:39:53	3.42	-74.31	0.0	1.5	Uribe - Meta
2018/06/11	01:43:47	3.42	-74.3	-0.0	1.8	Uribe - Meta
2018/06/11	01:59:59	10.21	-73.1	114.0	1.8	La Paz - Cesar
2018/06/11	02:01:34	6.82	-73.17	142.0	2.0	Los Santos - Santander
2018/06/11	02:29:26	6.8	-73.18	144.0	1.5	Los Santos - Santander
2018/06/11	02:57:47	5.25	-73.99	124.0	1.4	Tausa - Cundinamarca
2018/06/11	03:16:38	4.5	-76.21	106.0	1.5	El Dovio - Valle del Cauca
2018/06/11	03:25:38	6.82	-73.12	140.0	1.7	Los Santos - Santander
2018/06/11	03:35:07	7.64	-74.15	16.0	1.6	Simití - Bolívar
2018/06/11	04:00:05	7.91	-75.42	13.0	1.9	Montelíbano - Córdoba
2018/06/11	04:05:43	7.44	-73.94	77.0	1.8	San Pablo - Bolívar
2018/06/11	04:38:36	6.8	-73.15	141.0	1.6	Los Santos - Santander
2018/06/11	04:39:48	6.8	-73.11	140.0	1.7	Los Santos - Santander
2018/06/11	04:43:39	6.74	-73.39	110.0	1.8	San Vicente de Chucurí - Santander
2018/06/11	04:47:27	6.81	-73.13	145.0	1.8	Los Santos - Santander
2018/06/11	04:58:00	5.25	-73.71	153.0	1.5	Lenguazaque - Cundinamarca
2018/06/11	05:00:05	6.57	-73.04	151.0	1.6	Curití - Santander
2018/06/11	05:10:48	6.8	-73.13	144.0	1.9	Los Santos - Santander
2018/06/11	05:38:38	6.58	-73.39	110.0	1.5	Hato - Santander
2018/06/11	06:07:07	8.56	-74.05	64.0	0.9	Norosi - Bolívar
2018/06/11	06:21:01	3.83	-76.12	150.0	1.3	Buga - Valle del Cauca
2018/06/11	06:23:35	1.83	-77.04	9.0	1.0	Bolívar - Cauca
2018/06/11	06:28:36	10.12	-72.92	0.0	1.6	Agustín Codazzi - Cesar
2018/06/11	07:02:07	6.8	-73.15	140.0	2.0	Los Santos - Santander
2018/06/11	07:06:40	6.78	-73.13	139.0	1.8	Los Santos - Santander
2018/06/11	07:19:01	6.15	-73.42	131.0	2.6	Suaita - Santander
2018/06/11	07:25:53	6.76	-73.13	137.0	1.6	Los Santos - Santander
2018/06/11	07:43:27	6.81	-73.15	148.0	1.6	Los Santos - Santander
2018/06/11	07:46:07	6.81	-73.18	147.0	1.6	Los Santos - Santander
2018/06/11	08:03:48	1.89	-76.03	2.0	2.4	Pitalito - Huila
2018/06/11	08:17:52	6.16	-73.72	102.0	1.4	Vélez - Santander
2018/06/11	08:21:20	6.81	-73.17	139.0	1.7	Los Santos - Santander
2018/06/11	08:43:40	6.72	-73.18	138.0	1.4	Villanueva - Santander
2018/06/11	09:04:30	6.85	-73.14	145.0	1.7	Los Santos - Santander
2018/06/11	09:43:05	6.82	-73.15	143.0	1.9	Los Santos - Santander
2018/06/11	11:34:24	4.75	-77.51	20.0	2.1	Océano Pacífico
2018/06/11	12:39:15	2.38	-75.4	3.0	1.8	Algeciras - Huila
2018/06/11	13:15:24	8.69	-73.65	92.0	1.4	Pelaya - Cesar
2018/06/11	13:36:42	6.22	-75.86	7.0	1.5	Betulia - Antioquia
2018/06/11	13:54:39	3.56	-77.05	25.0	2.3	Buenaventura - Valle del Cauca
2018/06/11	13:57:30	5.54	-73.85	124.0	1.7	Simijaca - Cundinamarca
2018/06/11	14:17:54	3.79	-77.11	58.0	1.7	Buenaventura - Valle del Cauca
2018/06/11	14:43:07	5.23	-72.76	-1.0	1.3	Recetor - Casanare
2018/06/11	16:27:56	6.68	-73.16	146.0	1.8	Villanueva - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/11	17:45:41	6.86	-73.08	137.0	1.7	Los Santos - Santander
2018/06/11	19:51:16	5.72	-74.22	26.0	1.0	Otanche - Boyacá
2018/06/11	20:03:23	7.46	-73.28	125.0	1.3	El Playón - Santander
2018/06/11	20:07:21	6.81	-73.1	128.0	1.6	Los Santos - Santander
2018/06/11	20:08:39	6.79	-73.14	140.0	1.6	Los Santos - Santander
2018/06/11	20:51:47	6.79	-73.13	137.0	1.9	Los Santos - Santander
2018/06/11	21:26:33	6.6	-73.79	86.0	0.6	Simacota - Santander
2018/06/11	21:41:57	7.58	-75.5	51.0	1.2	Tarazá - Antioquia
2018/06/11	22:23:07	6.76	-73.11	155.0	1.5	Los Santos - Santander
2018/06/11	22:30:00	0.74	-77.91	8.0	2.7	Volcán Chiles
2018/06/11	22:31:54	6.84	-73.05	136.0	1.9	Los Santos - Santander
2018/06/11	22:41:56	3.56	-74.44	16.0	1.2	Uribe - Meta
2018/06/11	22:49:03	2.53	-77.01	83.0	0.8	El Tambo - Cauca
2018/06/11	23:45:35	2.35	-75.63	-1.0	1.5	Gigante - Huila
2018/06/12	00:38:49	6.8	-73.19	141.0	1.5	Los Santos - Santander
2018/06/12	00:55:57	6.79	-73.1	135.0	1.7	Los Santos - Santander
2018/06/12	01:47:44	6.81	-73.17	142.0	1.8	Los Santos - Santander
2018/06/12	02:13:15	6.8	-73.14	141.0	1.7	Los Santos - Santander
2018/06/12	02:18:20	7.59	-76.94	22.0	1.7	Riosucio - Chocó
2018/06/12	02:21:30	6.83	-73.15	144.0	1.6	Los Santos - Santander
2018/06/12	02:35:53	6.79	-73.2	143.0	1.4	Los Santos - Santander
2018/06/12	02:41:34	7.27	-73.2	1.0	1.0	Rionegro - Santander
2018/06/12	03:20:04	6.76	-73.26	153.0	1.0	Zapatoca - Santander
2018/06/12	04:11:32	7.49	-73.99	26.0	0.5	San Pablo - Bolívar
2018/06/12	04:32:14	6.7	-73.21	152.0	1.4	Barichara - Santander
2018/06/12	05:19:37	11.22	-73.42	59.0	1.6	Dibulla - la Guajira
2018/06/12	05:49:47	6.79	-73.12	136.0	2.0	Los Santos - Santander
2018/06/12	06:11:25	7.71	-74.02	62.0	1.0	Simití - Bolívar
2018/06/12	06:13:04	4.67	-76.04	50.0	2.5	Toro - Valle del Cauca
2018/06/12	06:16:52	6.76	-73.18	138.0	1.4	Los Santos - Santander
2018/06/12	06:28:50	6.82	-73.18	145.0	1.9	Los Santos - Santander
2018/06/12	07:09:26	4.28	-75.88	158.0	1.9	Caicedonia - Valle del Cauca
2018/06/12	07:24:26	6.78	-73.21	155.0	1.5	Zapatoca - Santander
2018/06/12	08:07:22	4.27	-76.29	128.0	1.2	Trujillo - Valle del Cauca
2018/06/12	08:45:08	5.28	-73.72	144.0	3.1	Lenguazaque - Cundinamarca
2018/06/12	08:48:24	6.8	-73.16	146.0	1.5	Los Santos - Santander
2018/06/12	09:35:00	1.24	-77.31	6.0	4.5	Volcán Galeras
2018/06/12	09:36:00	1.23	-77.32	3.0	4.3	Volcán Galeras
2018/06/12	09:44:07	6.84	-73.28	114.0	1.9	Zapatoca - Santander
2018/06/12	09:47:00	1.22	-77.34	-1.0	2.2	Pasto - Nariño
2018/06/12	09:52:00	1.23	-77.33	3.0	2.9	Volcán Galeras
2018/06/12	10:07:08	7.04	-73.35	1.0	1.0	Betulia - Santander
2018/06/12	10:47:00	1.23	-77.33	3.0	3.0	Volcán Galeras
2018/06/12	11:21:54	6.8	-73.24	144.0	1.6	Zapatoca - Santander
2018/06/12	11:58:19	6.89	-73.1	141.0	1.5	Los Santos - Santander

FECHA	H:M:S	LAT	LOH	Z	M	UBICACION
2018/06/12	12:55:49	4.93	-76.31	108.0	1.6	San José del Palmar - Chocó
2018/06/12	13:02:00	1.23	-77.33	4.0	3.4	Volcán Galeras
2018/06/12	14:01:32	6.67	-73.15	131.0	1.6	Villanueva - Santander
2018/06/12	14:08:57	5.48	-73.82	146.0	1.5	Susa - Cundinamarca
2018/06/12	14:28:00	1.24	-77.34	5.0	2.6	Volcán Galeras
2018/06/12	14:57:02	5.9	-72.46	0.0	2.9	Socotá - Boyacá
2018/06/12	15:21:15	5.69	-74.01	115.0	1.5	Pauna - Boyacá
2018/06/12	16:03:12	2.47	-75.49	1.0	1.3	Gigante - Huila
2018/06/12	16:44:49	5.8	-72.65	27.0	1.2	Gámeza - Boyacá
2018/06/12	17:31:28	11.04	-73.68	3.0	1.6	Santa Marta - Magdalena
2018/06/12	19:37:22	6.81	-73.21	148.0	1.7	Zapatoca - Santander
2018/06/12	19:59:55	3.93	-76.32	117.0	1.9	Buga - Valle del Cauca
2018/06/12	20:14:15	4.88	-76.31	81.0	1.7	San José del Palmar - Chocó
2018/06/12	20:25:42	6.78	-73.08	138.0	1.5	Los Santos - Santander
2018/06/12	21:53:01	6.74	-73.06	138.0	1.6	Aratoca - Santander
2018/06/12	22:20:38	7.88	-75.09	-1.0	2.0	Caucasia - Antioquia
2018/06/12	23:15:00	1.24	-77.31	5.0	2.4	Volcán Galeras
2018/06/12	23:42:01	6.84	-73.13	146.0	1.9	Los Santos - Santander
2018/06/13	00:23:02	6.79	-73.14	143.0	1.5	Los Santos - Santander
2018/06/13	00:32:37	6.72	-73.53	101.0	1.0	El Carmen - Santander
2018/06/13	01:12:23	5.19	-74.71	6.0	0.9	Guaduas - Cundinamarca
2018/06/13	01:21:27	8.19	-73.46	113.0	1.2	Rio de Oro - Cesar
2018/06/13	01:32:53	7.2	-77.48	0.0	1.9	Riosucio - Chocó
2018/06/13	01:36:00	1.25	-77.31	6.0	2.8	Volcán Galeras
2018/06/13	01:38:00	1.25	-77.31	5.0	3.7	Volcán Galeras
2018/06/13	01:49:00	1.26	-77.3	5.0	2.2	Volcán Galeras
2018/06/13	01:57:10	7.95	-73.12	136.0	1.6	Ábrego - Norte de Santander
2018/06/13	02:20:26	3.3	-74.49	13.0	1.4	Uribe - Meta
2018/06/13	02:28:20	8.28	-73.54	96.0	1.4	Aguachica - Cesar
2018/06/13	02:40:51	6.84	-73.13	144.0	2.0	Los Santos - Santander
2018/06/13	03:01:43	5.0	-75.05	4.0	0.9	Villahermosa - Tolima
2018/06/13	03:10:58	6.56	-73.77	107.0	0.9	Puerto Parra - Santander
2018/06/13	04:08:39	6.59	-73.76	91.0	1.2	Simacota - Santander
2018/06/13	04:12:24	4.4	-76.34	107.0	1.3	Bolívar - Valle del Cauca
2018/06/13	04:26:54	6.8	-73.13	137.0	2.6	Los Santos - Santander
2018/06/13	05:26:38	3.47	-76.49	108.0	2.1	Cali - Valle del Cauca
2018/06/13	05:31:00	1.25	-77.31	7.0	2.9	Volcán Galeras
2018/06/13	05:40:27	6.78	-73.14	143.0	1.4	Los Santos - Santander
2018/06/13	05:51:51	6.74	-73.21	146.0	1.5	Villanueva - Santander
2018/06/13	05:52:40	3.88	-76.23	118.0	1.2	Buga - Valle del Cauca
2018/06/13	05:54:35	6.76	-73.18	143.0	1.5	Los Santos - Santander
2018/06/13	06:19:32	6.81	-73.15	152.0	1.5	Los Santos - Santander
2018/06/13	06:23:27	7.38	-77.18	11.0	1.6	Riosucio - Chocó
2018/06/13	06:28:15	4.64	-76.19	100.0	1.2	Versalles - Valle del Cauca

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/13	06:29:43	6.8	-73.19	152.0	1.7	Los Santos - Santander
2018/06/13	07:08:02	6.75	-73.18	146.0	1.5	Villanueva - Santander
2018/06/13	07:19:48	6.81	-74.49	53.0	1.5	Yondó (Casabe) - Antioquia
2018/06/13	07:23:14	6.76	-73.16	148.0	1.7	Los Santos - Santander
2018/06/13	07:29:24	2.36	-75.57	1.0	1.7	Gigante - Huila
2018/06/13	07:55:24	6.8	-73.14	146.0	1.5	Los Santos - Santander
2018/06/13	08:05:26	6.84	-73.1	140.0	1.4	Los Santos - Santander
2018/06/13	08:27:22	8.21	-74.61	11.0	1.6	Montecristo - Bolívar
2018/06/13	09:01:50	6.81	-73.14	142.0	2.1	Los Santos - Santander
2018/06/13	10:11:04	6.76	-73.18	140.0	1.8	Los Santos - Santander
2018/06/13	11:32:14	6.82	-73.14	137.0	2.1	Los Santos - Santander
2018/06/13	11:53:35	6.23	-73.74	112.0	1.3	Landázuri - Santander
2018/06/13	11:59:23	12.01	-72.35	0.0	2.1	Mar Caribe
2018/06/13	13:53:00	7.73	-73.24	121.0	2.3	La Esperanza - Norte de Santander
2018/06/13	14:05:20	5.29	-73.71	151.0	2.4	Lenguazaque - Cundinamarca
2018/06/13	14:52:57	1.99	-75.96	4.0	1.3	Elías - Huila
2018/06/13	15:03:41	2.31	-75.59	-1.0	1.3	Gigante - Huila
2018/06/13	15:43:23	6.92	-73.09	138.0	1.7	Piedecuesta - Santander
2018/06/13	17:09:00	1.25	-77.31	6.0	2.7	Volcán Galeras
2018/06/13	18:09:41	2.55	-75.67	3.0	1.3	Tesalia - Huila
2018/06/13	18:19:00	1.25	-77.31	6.0	2.8	Volcán Galeras
2018/06/13	18:36:34	6.72	-73.22	151.0	1.9	Barichara - Santander
2018/06/13	20:18:06	8.03	-73.07	141.0	1.6	Villa Caro - Norte de Santander
2018/06/13	20:19:25	4.91	-76.14	92.0	2.1	San José del Palmar - Chocó
2018/06/13	20:36:51	6.17	-73.67	108.0	2.2	La Paz - Santander
2018/06/13	21:10:41	4.78	-77.14	25.0	1.8	Bajo Baudó (Pizarro) - Chocó
2018/06/13	21:50:41	6.8	-73.42	108.0	1.7	San Vicente de Chucurí - Santander
2018/06/13	22:06:13	4.15	-76.24	134.0	1.7	Tuluá - Valle del Cauca
2018/06/13	22:14:12	6.82	-73.09	143.0	1.2	Los Santos - Santander
2018/06/13	22:46:08	6.63	-73.18	136.0	1.3	Barichara - Santander
2018/06/13	23:05:58	5.8	-75.98	13.0	1.3	Ciudad Bolívar - Antioquia
2018/06/14	00:28:03	6.84	-73.17	145.0	1.5	Zapatoca - Santander
2018/06/14	01:22:27	4.71	-73.19	0.0	1.5	Santa María - Boyacá
2018/06/14	02:19:10	8.41	-73.63	95.0	1.2	Gamarra - Cesar
2018/06/14	02:46:50	7.77	-73.75	95.0	0.8	San Martín - Cesar
2018/06/14	03:15:21	6.89	-73.11	130.0	1.6	Los Santos - Santander
2018/06/14	03:19:54	6.82	-73.1	137.0	2.2	Los Santos - Santander
2018/06/14	03:22:53	10.02	-75.25	23.0	2.0	María la Baja - Bolívar
2018/06/14	03:38:33	7.79	-72.26	0.0	1.9	Norte Colombia
2018/06/14	04:24:37	3.04	-77.21	17.0	1.2	López - Cauca
2018/06/14	04:59:22	4.08	-76.45	49.0	2.3	Riofrío - Valle del Cauca
2018/06/14	05:49:45	5.73	-73.93	104.0	1.4	Tununguá - Boyacá
2018/06/14	06:23:34	10.32	-73.1	110.0	1.7	La Paz - Cesar
2018/06/14	06:32:06	6.8	-73.15	137.0	1.6	Los Santos - Santander
2018/06/14	06:43:19	6.8	-73.21	147.0	1.4	Zapatoca - Santander

FECHA	H:M:S	LAT	Lon	Z	M	UBICACION
2018/06/14	07:00:59	6.22	-73.75	111.0	1.2	Landázuri - Santander
2018/06/14	07:42:36	0.33	-78.64	25.0	2.0	Colombia-Ecuador
2018/06/14	07:58:36	6.8	-73.12	140.0	1.8	Los Santos - Santander
2018/06/14	08:13:41	0.74	-77.92	3.0	1.3	Colombia-Ecuador
2018/06/14	08:41:00	1.23	-77.33	4.0	2.6	Volcán Galeras
2018/06/14	08:44:00	1.24	-77.32	4.0	3.1	Volcán Galeras
2018/06/14	08:44:00	1.23	-77.31	4.0	3.4	Volcán Galeras
2018/06/14	09:17:19	5.04	-76.27	94.0	1.3	San José del Palmar - Chocó
2018/06/14	10:34:49	6.04	-73.65	116.0	1.7	Chipatá - Santander
2018/06/14	11:08:06	6.84	-73.12	138.0	2.3	Los Santos - Santander
2018/06/14	11:33:48	8.33	-73.91	79.0	0.8	Morales - Bolívar
2018/06/14	12:06:50	7.08	-77.07	9.0	1.6	Carmen del Darién (Curbaradó) - Chocó
2018/06/14	12:12:10	6.57	-73.52	111.0	1.8	El Carmen - Santander
2018/06/14	12:26:31	6.84	-73.16	150.0	2.1	Los Santos - Santander
2018/06/14	12:37:31	5.4	-73.77	130.0	1.9	Fúquene - Cundinamarca
2018/06/14	13:05:49	6.88	-73.32	128.0	1.5	Zapatoca - Santander
2018/06/14	13:14:43	3.54	-74.26	0.0	2.9	Mesetas - Meta
2018/06/14	14:28:49	6.71	-73.16	145.0	2.0	Villanueva - Santander
2018/06/14	16:00:42	6.88	-76.16	0.0	1.8	Uramita - Antioquia
2018/06/14	17:43:38	6.85	-73.15	149.0	1.8	Los Santos - Santander
2018/06/14	20:01:57	11.34	-74.87	22.0	1.9	Mar Caribe
2018/06/14	20:08:14	5.43	-73.79	135.0	1.5	Fúquene - Cundinamarca
2018/06/14	22:36:44	6.8	-73.14	139.0	1.8	Los Santos - Santander
2018/06/15	00:12:18	6.81	-73.17	150.0	1.6	Los Santos - Santander
2018/06/15	00:14:29	6.9	-76.4	6.0	1.4	Dabeiba - Antioquia
2018/06/15	01:15:03	6.83	-73.14	139.0	1.8	Los Santos - Santander
2018/06/15	01:24:39	5.7	-73.82	127.0	1.4	Saboyá - Boyacá
2018/06/15	01:29:48	6.69	-73.12	139.0	1.5	Villanueva - Santander
2018/06/15	02:09:18	5.36	-73.55	169.0	1.7	Ventaquemada - Boyacá
2018/06/15	02:15:05	6.81	-73.13	153.0	1.6	Los Santos - Santander
2018/06/15	03:05:35	10.28	-73.13	118.0	2.8	San Diego - Cesar
2018/06/15	03:17:20	6.85	-73.18	145.0	1.8	Zapatoca - Santander
2018/06/15	03:52:30	6.54	-73.69	100.0	1.3	Simacota - Santander
2018/06/15	03:54:59	6.8	-73.17	142.0	1.7	Los Santos - Santander
2018/06/15	03:59:00	1.25	-77.31	5.0	3.1	Pasto - Nariño
2018/06/15	04:18:50	4.92	-76.29	101.0	1.3	San José del Palmar - Chocó
2018/06/15	04:18:50	6.9	-71.94	3.0	1.6	Saravena - Arauca
2018/06/15	04:35:46	6.91	-73.32	115.0	1.7	Betulia - Santander
2018/06/15	05:01:17	10.89	-73.73	50.0	1.7	Santa Marta - Magdalena
2018/06/15	05:04:43	7.44	-75.37	42.0	1.2	Tarazá - Antioquia
2018/06/15	05:07:06	7.71	-74.08	63.0	0.7	Simití - Bolívar
2018/06/15	05:14:18	2.06	-75.87	0.0	1.0	Tarqui - Huila
2018/06/15	05:19:35	6.27	-74.55	60.0	1.5	Puerto Berrío - Antioquia
2018/06/15	05:27:32	6.82	-73.11	138.0	1.7	Los Santos - Santander
2018/06/15	05:33:00	1.25	-77.33	7.0	2.8	Volcán Galeras

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/15	05:37:07	7.02	-73.19	143.0	1.6	Girón - Santander
2018/06/15	05:38:16	4.29	-75.29	15.0	1.1	Rovira - Tolima
2018/06/15	06:08:12	10.69	-72.95	85.0	1.8	El Molino - la Guajira
2018/06/15	06:35:00	1.24	-77.33	6.0	3.0	Volcán Galeras
2018/06/15	06:37:54	1.99	-75.96	3.0	1.1	Timaná - Huila
2018/06/15	06:39:57	6.83	-73.13	139.0	2.0	Los Santos - Santander
2018/06/15	07:51:17	6.87	-73.06	133.0	1.5	Los Santos - Santander
2018/06/15	08:28:21	5.32	-73.77	155.0	1.3	Ubaté - Cundinamarca
2018/06/15	08:45:41	6.86	-73.14	144.0	1.7	Los Santos - Santander
2018/06/15	08:49:08	4.78	-74.73	4.0	1.0	Beltrán - Cundinamarca
2018/06/15	09:48:12	6.76	-73.21	138.0	1.4	Villanueva - Santander
2018/06/15	11:11:17	8.61	-74.08	66.0	1.3	Norosi - Bolívar
2018/06/15	11:11:45	6.8	-73.17	139.0	1.7	Los Santos - Santander
2018/06/15	11:51:08	5.75	-72.24	0.0	2.9	Támara - Casanare
2018/06/15	12:36:12	4.71	-76.52	106.0	1.6	Sipí - Chocó
2018/06/15	12:45:55	8.34	-74.2	15.0	1.2	Arenal - Bolívar
2018/06/15	13:59:17	3.81	-76.91	90.0	1.6	Buenaventura - Valle del Cauca
2018/06/15	16:48:57	8.78	-73.49	15.0	1.4	La Gloria - Cesar
2018/06/15	17:33:28	7.29	-73.47	105.0	0.8	Sabana de Torres - Santander
2018/06/15	21:25:39	6.83	-73.13	143.0	2.6	Los Santos - Santander
2018/06/15	21:47:37	4.85	-77.63	58.0	1.8	Océano Pacifico
2018/06/15	23:11:48	5.22	-77.55	21.0	1.7	Océano Pacifico
2018/06/16	00:28:10	6.85	-73.13	136.0	1.6	Los Santos - Santander
2018/06/16	01:02:00	4.76	-74.86	25.0	1.2	Ambalema - Tolima
2018/06/16	01:24:36	1.97	-79.83	5.0	1.9	Océano Pacifico
2018/06/16	01:28:24	4.84	-77.6	59.0	1.6	Océano Pacifico
2018/06/16	01:35:48	6.67	-73.18	134.0	1.6	Villanueva - Santander
2018/06/16	02:02:57	6.85	-73.14	142.0	1.7	Los Santos - Santander
2018/06/16	02:11:43	6.8	-73.14	143.0	1.7	Los Santos - Santander
2018/06/16	02:31:40	7.18	-73.9	84.0	1.4	Barrancabermeja - Santander
2018/06/16	03:10:18	3.91	-76.21	117.0	1.3	Buga - Valle del Cauca
2018/06/16	05:04:37	6.75	-73.14	138.0	1.6	Los Santos - Santander
2018/06/16	05:09:41	6.09	-73.6	133.0	1.2	Chipatá - Santander
2018/06/16	05:49:16	5.69	-79.64	0.0	2.2	Océano Pacifico
2018/06/16	06:20:03	4.42	-76.03	47.0	1.2	Zarzal - Valle del Cauca
2018/06/16	07:03:05	6.79	-73.16	145.0	1.6	Los Santos - Santander
2018/06/16	07:12:49	6.63	-73.18	134.0	1.5	Barichara - Santander
2018/06/16	07:56:17	9.08	-73.64	18.0	1.0	Curumaní - Cesar
2018/06/16	08:18:50	4.77	-74.74	-0.0	1.0	Beltrán - Cundinamarca
2018/06/16	09:04:27	6.85	-73.15	148.0	1.8	Los Santos - Santander
2018/06/16	09:48:14	11.25	-72.22	82.0	1.3	Maicao - la Guajira
2018/06/16	11:17:21	7.31	-75.27	1.0	2.0	Tarazá - Antioquia
2018/06/16	11:27:43	6.83	-73.15	143.0	2.7	Los Santos - Santander
2018/06/16	11:28:25	6.83	-73.16	147.0	2.5	Los Santos - Santander

FECHA	H:M:S	LAT	Lon	Z	M	UBICACION
2018/06/16	11:54:01	2.71	-75.0	2.0	1.7	San Vicente del Caguán - Caquetá
2018/06/16	14:37:11	6.79	-73.17	145.0	2.0	Los Santos - Santander
2018/06/16	14:52:44	7.81	-77.31	15.0	2.2	Riosucio - Chocó
2018/06/16	17:46:24	5.0	-76.04	104.0	3.2	La Celia - Risaralda
2018/06/16	18:13:02	11.15	-74.12	1.0	2.3	Santa Marta - Magdalena
2018/06/16	20:25:28	6.84	-73.14	144.0	1.6	Los Santos - Santander
2018/06/16	21:08:24	2.8	-76.68	18.0	0.9	Morales - Cauca
2018/06/16	21:30:33	6.83	-73.11	141.0	2.7	Los Santos - Santander
2018/06/16	21:52:56	6.83	-73.13	146.0	1.8	Los Santos - Santander
2018/06/16	21:56:54	9.83	-73.31	109.0	2.0	Agustín Codazzi - Cesar
2018/06/16	22:52:16	11.22	-72.89	0.0	1.5	Riohacha - la Guajira
2018/06/16	23:07:37	6.14	-74.97	4.0	1.1	San Carlos - Antioquia
2018/06/17	00:07:53	6.82	-73.13	135.0	2.2	Los Santos - Santander
2018/06/17	00:44:52	6.63	-73.17	137.0	1.6	Barichara - Santander
2018/06/17	01:00:12	3.71	-76.12	0.0	1.7	Ginebra - Valle del Cauca
2018/06/17	01:02:30	3.78	-76.19	27.0	1.0	Ginebra - Valle del Cauca
2018/06/17	01:08:57	8.41	-77.62	8.0	2.3	Panama-Colombia
2018/06/17	01:32:36	6.76	-73.14	137.0	2.1	Los Santos - Santander
2018/06/17	01:47:31	4.75	-76.14	97.0	1.7	Argelia - Valle del Cauca
2018/06/17	02:03:59	6.8	-73.15	138.0	2.1	Los Santos - Santander
2018/06/17	02:13:10	6.75	-73.14	142.0	1.4	Los Santos - Santander
2018/06/17	02:23:13	8.5	-73.25	113.0	2.0	Teorama - Norte de Santander
2018/06/17	02:47:36	6.78	-73.18	142.0	1.5	Los Santos - Santander
2018/06/17	03:20:10	5.7	-74.09	109.0	1.3	San Pablo de Borbur - Boyacá
2018/06/17	03:27:34	6.79	-73.18	145.0	1.4	Los Santos - Santander
2018/06/17	03:38:56	6.84	-73.12	142.0	2.4	Los Santos - Santander
2018/06/17	03:41:38	3.93	-76.3	111.0	1.3	Buga - Valle del Cauca
2018/06/17	03:58:07	6.8	-73.09	137.0	1.4	Los Santos - Santander
2018/06/17	05:10:19	9.9	-75.28	46.0	1.5	María la Baja - Bolívar
2018/06/17	05:22:03	6.82	-73.14	149.0	0.7	Los Santos - Santander
2018/06/17	05:47:40	6.78	-73.17	144.0	1.4	Los Santos - Santander
2018/06/17	06:15:47	10.63	-74.04	20.0	1.4	Aracataca - Magdalena
2018/06/17	06:38:29	6.81	-73.11	145.0	1.7	Los Santos - Santander
2018/06/17	07:06:44	6.62	-73.18	141.0	1.5	Barichara - Santander
2018/06/17	07:22:08	6.82	-73.14	135.0	1.7	Los Santos - Santander
2018/06/17	07:45:10	4.71	-73.39	2.0	2.1	Gachalá - Cundinamarca
2018/06/17	07:54:56	6.75	-73.17	140.0	1.5	Los Santos - Santander
2018/06/17	08:24:34	8.96	-73.95	3.0	1.8	El Peñón - Bolívar
2018/06/17	08:46:49	6.9	-73.13	125.0	1.4	Los Santos - Santander
2018/06/17	08:56:11	3.88	-76.32	113.0	1.2	Buga - Valle del Cauca
2018/06/17	09:05:37	9.12	-77.84	22.0	2.0	Cerca de la Costa de Colombia
2018/06/17	09:19:06	4.81	-77.57	27.0	1.6	Océano Pacífico
2018/06/17	09:30:41	6.31	-73.74	2.0	0.9	Vélez - Santander
2018/06/17	09:38:30	7.5	-72.64	-0.0	1.3	Pamplonita - Norte de Santander
2018/06/17	10:30:11	6.82	-73.18	138.0	1.9	Zapatoca - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/17	11:20:28	6.32	-73.55	103.0	1.6	Santa Helena del Opón - Santander
2018/06/17	11:41:07	4.47	-76.35	56.0	1.9	Bolívar - Valle del Cauca
2018/06/17	13:20:45	7.19	-73.83	21.0	0.8	Barrancabermeja - Santander
2018/06/17	17:39:00	1.24	-77.32	4.0	3.3	Volcán Galeras
2018/06/17	18:01:27	7.49	-74.1	18.0	0.9	San Pablo - Bolívar
2018/06/17	19:55:28	9.47	-73.93	84.0	1.1	Astrea - Cesar
2018/06/17	20:18:46	6.84	-73.11	144.0	1.3	Los Santos - Santander
2018/06/17	21:01:22	5.35	-75.53	1.0	1.6	La Merced - Caldas
2018/06/17	21:19:51	6.74	-73.06	142.0	1.6	Aratoca - Santander
2018/06/17	21:38:33	8.89	-73.05	127.0	2.1	Tibú - Norte de Santander
2018/06/17	21:46:14	2.55	-75.36	6.0	1.8	Campoalegre - Huila
2018/06/17	21:59:21	6.8	-73.07	136.0	1.6	Los Santos - Santander
2018/06/17	22:00:13	6.76	-73.08	141.0	1.5	Los Santos - Santander
2018/06/17	22:18:11	7.48	-74.09	11.0	1.8	San Pablo - Bolívar
2018/06/17	22:45:27	6.84	-73.04	133.0	1.6	Los Santos - Santander
2018/06/18	00:01:03	3.84	-77.05	15.0	1.5	Buenaventura - Valle del Cauca
2018/06/18	00:29:17	4.44	-76.42	129.0	1.4	Bolívar - Valle del Cauca
2018/06/18	01:11:44	8.74	-77.48	47.0	2.3	Panama-Colombia
2018/06/18	01:47:09	6.79	-73.11	136.0	1.7	Los Santos - Santander
2018/06/18	02:05:41	6.8	-73.15	140.0	1.7	Los Santos - Santander
2018/06/18	02:11:30	8.03	-72.96	157.0	2.4	Bucarasica - Norte de Santander
2018/06/18	02:28:22	4.96	-74.77	4.0	1.2	Armero (Guayabal) - Tolima
2018/06/18	02:56:47	6.81	-73.09	137.0	2.2	Los Santos - Santander
2018/06/18	03:32:57	6.88	-73.25	116.0	2.3	Zapatoca - Santander
2018/06/18	04:00:18	5.78	-73.91	110.0	1.5	Albania - Santander
2018/06/18	04:54:14	6.82	-73.13	135.0	1.8	Los Santos - Santander
2018/06/18	04:59:08	6.82	-73.15	145.0	2.1	Los Santos - Santander
2018/06/18	06:00:35	6.8	-73.22	151.0	0.9	Zapatoca - Santander
2018/06/18	06:44:33	6.89	-73.2	155.0	0.5	Zapatoca - Santander
2018/06/18	06:50:40	7.49	-74.1	18.0	1.2	San Pablo - Bolívar
2018/06/18	07:11:05	6.81	-73.19	155.0	1.1	Zapatoca - Santander
2018/06/18	08:59:26	6.77	-73.12	140.0	1.7	Los Santos - Santander
2018/06/18	09:49:12	6.8	-73.13	138.0	1.7	Los Santos - Santander
2018/06/18	10:01:43	6.85	-73.15	144.0	1.6	Los Santos - Santander
2018/06/18	11:06:39	6.89	-73.39	109.0	1.6	San Vicente de Chucurí - Santander
2018/06/18	11:15:57	6.19	-73.45	130.0	1.1	Guadalupe - Santander
2018/06/18	12:00:24	3.4	-74.6	3.0	1.7	Uribe - Meta
2018/06/18	14:23:22	4.69	-76.12	85.0	1.4	Argelia - Valle del Cauca
2018/06/18	15:46:25	4.92	-76.05	117.0	1.4	El Águila - Valle del Cauca
2018/06/18	15:50:08	6.67	-73.61	108.0	0.9	El Carmen - Santander
2018/06/18	16:12:49	6.4	-76.7	63.0	1.5	Vigia del Fuerte - Antioquia
2018/06/18	17:03:19	11.24	-72.87	-0.0	1.5	Riohacha - la Guajira
2018/06/18	17:05:30	6.97	-76.26	0.0	2.6	Dabeiba - Antioquia
2018/06/18	17:37:53	6.83	-73.13	144.0	2.0	Los Santos - Santander
2018/06/18	18:23:00	1.24	-77.34	3.0	3.3	Volcán Galeras

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/18	19:11:01	3.64	-77.28	0.0	2.5	Océano Pacífico
2018/06/18	20:11:33	10.56	-73.46	21.0	1.6	Valledupar - Cesar
2018/06/18	21:18:54	6.73	-73.1	138.0	1.6	Los Santos - Santander
2018/06/18	21:34:55	5.83	-74.79	3.0	0.7	Sonsón - Antioquia
2018/06/18	21:42:28	6.82	-73.18	145.0	1.5	Los Santos - Santander
2018/06/18	22:13:32	10.47	-73.42	80.0	1.7	Valledupar - Cesar
2018/06/18	22:21:26	7.1	-78.13	2.0	2.3	Océano Pacífico
2018/06/18	23:08:33	6.84	-73.12	136.0	2.1	Los Santos - Santander
2018/06/18	23:38:12	6.82	-73.14	142.0	1.5	Los Santos - Santander
2018/06/19	02:00:24	6.57	-74.35	57.0	1.3	Cimitarra - Santander
2018/06/19	02:57:29	8.7	-73.67	86.0	0.7	Pelaya - Cesar
2018/06/19	03:39:15	5.25	-74.61	10.0	1.3	Guaduas - Cundinamarca
2018/06/19	03:43:42	6.84	-76.63	-1.0	1.2	Murindó - Antioquia
2018/06/19	03:47:11	6.58	-76.28	0.0	1.1	Frontino - Antioquia
2018/06/19	03:59:00	6.71	-73.14	139.0	1.5	Jordán - Santander
2018/06/19	04:02:49	4.89	-78.31	11.0	1.9	Océano Pacífico
2018/06/19	04:04:37	6.77	-73.6	94.0	1.2	El Carmen - Santander
2018/06/19	05:08:02	10.59	-73.44	26.0	1.3	Valledupar - Cesar
2018/06/19	05:12:50	6.83	-73.15	142.0	1.7	Los Santos - Santander
2018/06/19	05:19:21	1.65	-76.83	1.0	1.4	Santa Rosa - Cauca
2018/06/19	05:38:15	6.62	-73.08	150.0	1.5	Curití - Santander
2018/06/19	05:54:58	6.84	-73.13	137.0	1.9	Los Santos - Santander
2018/06/19	06:07:35	6.83	-73.2	138.0	1.7	Zapatoca - Santander
2018/06/19	06:50:05	7.11	-72.18	2.0	1.3	Toledo - Norte de Santander
2018/06/19	08:00:13	7.01	-73.42	115.0	1.1	Betulia - Santander
2018/06/19	08:19:18	6.75	-73.16	144.0	1.6	Los Santos - Santander
2018/06/19	08:41:35	4.73	-78.22	16.0	1.7	Océano Pacífico
2018/06/19	08:55:38	11.75	-73.44	13.0	1.8	Mar Caribe
2018/06/19	09:07:18	6.77	-73.15	144.0	1.4	Los Santos - Santander
2018/06/19	09:14:48	6.42	-74.28	6.0	1.4	Cimitarra - Santander
2018/06/19	09:18:11	7.95	-74.22	3.0	0.5	Santa Rosa del Sur - Bolívar
2018/06/19	09:38:31	4.37	-76.61	-0.0	1.4	Sipí - Chocó
2018/06/19	09:59:03	6.8	-73.16	140.0	1.3	Los Santos - Santander
2018/06/19	10:06:50	6.23	-73.56	109.0	1.3	Aguada - Santander
2018/06/19	10:25:29	6.82	-73.11	139.0	2.5	Los Santos - Santander
2018/06/19	10:34:03	6.51	-73.66	108.0	1.1	Simacota - Santander
2018/06/19	10:42:44	6.77	-73.17	142.0	1.5	Los Santos - Santander
2018/06/19	11:06:39	6.82	-73.15	144.0	1.6	Los Santos - Santander
2018/06/19	11:38:18	6.8	-76.31	0.0	1.6	Dabeiba - Antioquia
2018/06/19	12:50:35	8.55	-74.03	71.0	1.4	Norosi - Bolívar
2018/06/19	14:13:55	6.76	-73.12	153.0	1.4	Los Santos - Santander
2018/06/19	14:25:27	12.12	-73.27	-1.0	2.1	Mar Caribe
2018/06/19	14:27:30	3.84	-76.22	134.0	1.4	Buga - Valle del Cauca
2018/06/19	15:14:10	6.77	-73.12	134.0	1.6	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/19	16:27:09	6.8	-73.13	141.0	3.6	Los Santos - Santander
2018/06/19	16:55:12	6.81	-73.11	147.0	1.6	Los Santos - Santander
2018/06/19	16:59:16	7.06	-73.26	139.0	1.4	Lebrija - Santander
2018/06/19	19:49:26	5.26	-73.69	147.0	2.6	Lenguazaque - Cundinamarca
2018/06/19	22:04:01	6.81	-73.14	155.0	1.0	Los Santos - Santander
2018/06/19	22:09:52	7.44	-73.38	110.0	1.0	Rionegro - Santander
2018/06/19	22:29:19	5.87	-76.25	62.0	1.8	Quibdó - Chocó
2018/06/19	23:13:28	7.14	-73.97	4.0	0.4	Yondó (Casabe) - Antioquia
2018/06/19	23:42:21	6.79	-73.12	151.0	1.8	Los Santos - Santander
2018/06/20	00:54:42	6.08	-73.74	112.0	1.5	Vélez - Santander
2018/06/20	01:19:29	5.84	-75.96	65.0	1.8	Ciudad Bolívar - Antioquia
2018/06/20	01:46:45	6.78	-73.12	143.0	1.6	Los Santos - Santander
2018/06/20	02:37:44	6.84	-73.14	142.0	1.9	Los Santos - Santander
2018/06/20	03:18:28	4.02	-71.59	0.0	1.9	Puerto Gaitán - Meta
2018/06/20	03:30:48	6.84	-73.16	144.0	2.0	Los Santos - Santander
2018/06/20	03:34:13	3.18	-74.83	8.0	1.4	Colombia - Huila
2018/06/20	03:40:19	4.0	-76.25	23.0	1.7	San Pedro - Valle del Cauca
2018/06/20	03:47:42	3.55	-76.92	67.0	2.7	Buenaventura - Valle del Cauca
2018/06/20	04:08:17	6.84	-73.22	146.0	1.6	Zapatoca - Santander
2018/06/20	04:23:10	4.46	-76.3	126.0	3.0	Bolívar - Valle del Cauca
2018/06/20	06:10:36	8.96	-73.71	24.0	0.7	Tamalameque - Cesar
2018/06/20	06:34:11	6.74	-73.02	135.0	1.7	Aratoca - Santander
2018/06/20	06:58:06	6.74	-73.12	140.0	1.3	Los Santos - Santander
2018/06/20	07:29:03	6.83	-73.14	143.0	1.7	Los Santos - Santander
2018/06/20	07:30:37	6.5	-73.37	121.0	1.3	Simacota - Santander
2018/06/20	07:52:33	7.24	-75.21	26.0	0.9	Anorí - Antioquia
2018/06/20	07:58:35	7.11	-73.48	107.0	0.5	Betulia - Santander
2018/06/20	08:08:07	7.39	-73.19	135.0	1.4	Rionegro - Santander
2018/06/20	08:55:06	6.3	-76.67	6.0	1.4	Vigia del Fuerte - Antioquia
2018/06/20	10:11:19	6.83	-76.25	0.0	1.1	Frontino - Antioquia
2018/06/20	11:32:28	6.8	-73.12	147.0	1.5	Los Santos - Santander
2018/06/20	12:07:08	10.76	-72.85	112.0	1.8	San Juan del Cesar - la Guajira
2018/06/20	13:19:55	6.79	-73.14	148.0	1.1	Los Santos - Santander
2018/06/20	13:27:01	6.8	-73.11	136.0	2.9	Los Santos - Santander
2018/06/20	13:59:21	5.38	-78.23	5.0	2.3	Océano Pacifico
2018/06/20	14:25:43	6.74	-73.12	142.0	1.7	Los Santos - Santander
2018/06/20	14:58:11	6.96	-73.18	135.0	1.8	Girón - Santander
2018/06/20	15:22:50	6.78	-73.14	145.0	1.1	Los Santos - Santander
2018/06/20	15:40:47	6.8	-73.13	143.0	1.8	Los Santos - Santander
2018/06/20	16:26:09	7.82	-73.36	113.0	1.0	San Alberto - Cesar
2018/06/20	17:06:11	6.83	-73.2	144.0	1.6	Zapatoca - Santander
2018/06/20	17:13:51	6.14	-73.54	120.0	1.8	Aguada - Santander
2018/06/20	17:22:43	4.49	-77.56	56.0	1.5	Océano Pacifico
2018/06/20	18:45:13	6.95	-76.29	-0.0	2.2	Dabeiba - Antioquia
2018/06/20	18:49:51	6.93	-76.28	-2.0	2.8	Dabeiba - Antioquia

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/20	19:31:52	6.92	-76.19	-0.0	2.2	Uramita - Antioquia
2018/06/20	20:12:13	6.97	-76.24	5.0	4.8	Dabeiba - Antioquia
2018/06/20	20:17:27	6.93	-76.22	0.0	2.1	Uramita - Antioquia
2018/06/20	20:21:16	6.91	-76.31	-0.0	1.4	Dabeiba - Antioquia
2018/06/20	20:25:34	6.96	-76.24	-0.0	3.0	Uramita - Antioquia
2018/06/20	20:26:36	6.91	-76.21	0.0	2.4	Uramita - Antioquia
2018/06/20	20:28:17	6.94	-76.25	-0.0	1.5	Dabeiba - Antioquia
2018/06/20	20:31:45	6.92	-76.25	-0.0	1.5	Dabeiba - Antioquia
2018/06/20	20:35:40	6.91	-76.25	-0.0	1.5	Dabeiba - Antioquia
2018/06/20	20:37:19	10.77	-73.63	26.0	1.9	Aracataca - Magdalena
2018/06/20	20:46:52	6.93	-76.17	-0.0	2.3	Uramita - Antioquia
2018/06/20	20:49:05	6.95	-76.31	-0.0	2.8	Dabeiba - Antioquia
2018/06/20	20:55:20	6.87	-76.24	-0.0	2.0	Dabeiba - Antioquia
2018/06/20	20:55:31	6.99	-76.18	-0.0	1.9	Dabeiba - Antioquia
2018/06/20	21:05:54	6.88	-76.23	-0.0	1.4	Uramita - Antioquia
2018/06/20	21:07:05	6.94	-76.26	-0.0	1.6	Dabeiba - Antioquia
2018/06/20	21:14:39	6.89	-76.21	0.0	1.2	Uramita - Antioquia
2018/06/20	21:16:34	6.92	-76.22	-0.0	1.2	Uramita - Antioquia
2018/06/20	21:17:31	6.93	-76.26	-0.0	1.9	Dabeiba - Antioquia
2018/06/20	21:30:06	6.91	-76.22	0.0	1.5	Uramita - Antioquia
2018/06/20	21:30:14	6.92	-76.26	-0.0	2.5	Dabeiba - Antioquia
2018/06/20	21:32:47	6.91	-76.14	-0.0	1.4	Uramita - Antioquia
2018/06/20	21:38:29	6.9	-76.23	0.0	1.2	Dabeiba - Antioquia
2018/06/20	21:45:10	6.92	-76.28	0.0	2.2	Dabeiba - Antioquia
2018/06/20	21:49:11	6.94	-76.18	-0.0	1.3	Uramita - Antioquia
2018/06/20	21:57:24	6.95	-76.31	-0.0	1.8	Dabeiba - Antioquia
2018/06/20	22:12:34	11.09	-72.25	89.0	1.9	Cerca de la Costa de Colombia
2018/06/20	22:20:10	6.87	-76.79	10.0	1.5	Murindó - Antioquia
2018/06/20	22:34:31	6.94	-76.27	-0.0	3.0	Dabeiba - Antioquia
2018/06/20	22:41:06	6.91	-76.26	-0.0	1.6	Dabeiba - Antioquia
2018/06/20	22:43:58	6.93	-76.25	-0.0	2.8	Dabeiba - Antioquia
2018/06/20	22:44:31	6.94	-76.24	-0.0	3.1	Dabeiba - Antioquia
2018/06/20	22:48:41	6.92	-76.23	-0.0	2.4	Dabeiba - Antioquia
2018/06/20	22:54:21	6.9	-76.22	-0.0	1.4	Uramita - Antioquia
2018/06/20	23:03:41	6.95	-76.22	-0.0	2.0	Uramita - Antioquia
2018/06/20	23:13:15	7.06	-73.97	0.0	2.2	Yondó (Casabe) - Antioquia
2018/06/20	23:32:54	6.9	-76.21	-0.0	1.5	Uramita - Antioquia
2018/06/20	23:37:50	6.79	-73.12	137.0	1.6	Los Santos - Santander
2018/06/20	23:39:58	6.91	-76.19	-0.0	1.3	Uramita - Antioquia
2018/06/21	00:20:04	6.87	-76.29	-0.0	1.3	Dabeiba - Antioquia
2018/06/21	01:23:10	6.95	-76.25	-0.0	1.3	Dabeiba - Antioquia
2018/06/21	01:52:16	6.92	-76.26	-0.0	2.3	Dabeiba - Antioquia
2018/06/21	02:14:34	6.98	-76.28	-0.0	1.2	Dabeiba - Antioquia
2018/06/21	02:23:26	6.93	-76.24	0.0	1.5	Dabeiba - Antioquia
2018/06/21	02:28:20	6.78	-73.17	145.0	1.4	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/21	02:31:38	7.92	-74.2	15.0	0.9	Santa Rosa del Sur - Bolívar
2018/06/21	02:34:20	3.21	-74.79	5.0	1.8	Colombia - Huila
2018/06/21	03:58:39	6.82	-73.17	141.0	1.8	Los Santos - Santander
2018/06/21	04:30:30	6.68	-73.15	142.0	1.6	Villanueva - Santander
2018/06/21	04:49:30	8.55	-73.93	64.0	1.0	Rioviejo - Bolívar
2018/06/21	04:53:42	8.77	-73.7	81.0	0.9	Tamalameque - Cesar
2018/06/21	05:10:05	5.65	-74.02	113.0	1.2	Pauna - Boyacá
2018/06/21	05:16:30	5.99	-73.38	171.0	1.5	Chitaraque - Boyacá
2018/06/21	05:25:48	7.45	-73.21	130.0	0.9	El Playón - Santander
2018/06/21	06:15:19	5.25	-73.71	138.0	1.6	Lenguazaque - Cundinamarca
2018/06/21	06:18:56	5.87	-74.06	94.0	1.3	La Belleza - Santander
2018/06/21	06:24:38	4.57	-74.46	0.0	1.0	El Colegio - Cundinamarca
2018/06/21	06:25:49	5.48	-77.8	18.0	1.8	Océano Pacífico
2018/06/21	06:51:37	7.02	-76.3	-0.0	1.2	Dabeiba - Antioquia
2018/06/21	07:14:39	10.81	-73.94	2.0	1.7	Ciénaga - Magdalena
2018/06/21	07:17:32	6.78	-73.16	145.0	1.5	Los Santos - Santander
2018/06/21	07:41:29	6.81	-73.16	144.0	1.6	Los Santos - Santander
2018/06/21	07:42:11	10.36	-73.59	73.0	1.7	Pueblo Bello - Cesar
2018/06/21	07:56:00	6.86	-76.27	0.0	1.7	Dabeiba - Antioquia
2018/06/21	08:11:01	1.3	-77.89	149.0	2.0	Mallama (Piedrancha) - Nariño
2018/06/21	08:12:51	3.88	-71.57	-0.0	2.0	Puerto Gaitán - Meta
2018/06/21	08:32:59	9.18	-74.4	53.0	0.6	Mompós - Bolívar
2018/06/21	08:46:51	6.83	-73.14	143.0	2.9	Los Santos - Santander
2018/06/21	09:18:03	10.32	-73.69	79.0	1.6	Valledupar - Cesar
2018/06/21	10:08:31	7.17	-74.3	57.0	2.0	San Pablo - Bolívar
2018/06/21	10:13:48	6.89	-76.25	0.0	2.3	Dabeiba - Antioquia
2018/06/21	10:36:00	6.77	-73.14	138.0	1.6	Los Santos - Santander
2018/06/21	10:38:52	6.75	-73.12	141.0	1.4	Los Santos - Santander
2018/06/21	10:41:16	6.95	-76.24	-0.0	1.0	Dabeiba - Antioquia
2018/06/21	10:52:47	6.85	-76.24	0.0	1.1	Frontino - Antioquia
2018/06/21	11:39:28	3.73	-77.19	47.0	2.3	Buenaventura - Valle del Cauca
2018/06/21	13:03:22	6.7	-73.22	155.0	1.6	Barichara - Santander
2018/06/21	13:51:57	3.5	-77.43	87.0	1.7	Océano Pacífico
2018/06/21	13:53:25	6.83	-73.15	147.0	1.3	Los Santos - Santander
2018/06/21	14:11:09	6.74	-73.14	143.0	1.7	Los Santos - Santander
2018/06/21	14:21:11	6.82	-73.14	141.0	1.9	Los Santos - Santander
2018/06/21	16:30:31	1.98	-75.58	0.0	1.8	Florencia - Caquetá
2018/06/21	17:04:17	10.27	-73.52	91.0	1.9	Valledupar - Cesar
2018/06/21	17:26:10	5.27	-73.71	143.0	2.6	Lenguazaque - Cundinamarca
2018/06/21	17:43:53	9.91	-73.31	102.0	0.9	Agustín Codazzi - Cesar
2018/06/21	18:06:29	6.83	-73.11	141.0	2.5	Los Santos - Santander
2018/06/21	21:07:13	5.24	-73.73	148.0	2.8	Cucunubá - Cundinamarca
2018/06/21	21:25:28	6.78	-73.16	142.0	1.4	Los Santos - Santander
2018/06/21	21:35:29	6.62	-73.1	139.0	1.8	Curití - Santander
2018/06/21	21:50:37	6.83	-73.12	141.0	2.0	Los Santos - Santander

FECHA	H:M:S	LAT	Lon	Z	M	UBICACION
2018/06/21	23:04:00	6.86	-73.11	141.0	2.4	Los Santos - Santander
2018/06/22	00:15:49	7.68	-73.26	130.0	2.0	Cáchira - Norte de Santander
2018/06/22	01:09:42	6.19	-73.55	136.0	0.8	Aguada - Santander
2018/06/22	01:15:13	6.81	-73.13	137.0	2.5	Los Santos - Santander
2018/06/22	01:33:34	8.29	-72.98	129.0	1.5	Sardinata - Norte de Santander
2018/06/22	01:42:11	6.81	-73.16	148.0	1.7	Los Santos - Santander
2018/06/22	02:03:51	6.84	-73.13	145.0	2.0	Los Santos - Santander
2018/06/22	02:48:59	6.82	-73.14	145.0	1.5	Los Santos - Santander
2018/06/22	03:14:48	6.82	-73.13	134.0	2.1	Los Santos - Santander
2018/06/22	03:37:00	9.18	-73.0	120.0	1.8	Convención - Norte de Santander
2018/06/22	03:43:59	6.91	-73.33	121.0	0.3	Zapatoca - Santander
2018/06/22	05:06:39	5.27	-73.74	146.0	2.0	Cucunubá - Cundinamarca
2018/06/22	05:51:12	6.8	-73.14	139.0	2.1	Los Santos - Santander
2018/06/22	05:56:13	7.06	-73.55	110.0	1.0	San Vicente de Chucurí - Santander
2018/06/22	06:08:08	6.84	-73.12	128.0	1.6	Los Santos - Santander
2018/06/22	08:03:33	4.39	-76.14	59.0	1.3	Roldanillo - Valle del Cauca
2018/06/22	08:20:34	4.1	-76.22	141.0	1.4	Tuluá - Valle del Cauca
2018/06/22	08:37:27	6.81	-73.1	141.0	1.7	Los Santos - Santander
2018/06/22	08:58:19	7.42	-73.12	126.0	1.5	Rionegro - Santander
2018/06/22	09:05:51	6.71	-73.18	146.0	1.6	Barichara - Santander
2018/06/22	09:17:58	6.59	-73.17	139.0	1.5	San Gil - Santander
2018/06/22	09:48:27	6.6	-73.51	125.0	1.5	El Carmen - Santander
2018/06/22	10:19:40	10.79	-72.7	0.0	1.4	Fonseca - la Guajira
2018/06/22	12:04:25	3.73	-75.98	168.0	2.2	El Cerrito - Valle del Cauca
2018/06/22	12:12:14	6.76	-73.14	141.0	1.6	Los Santos - Santander
2018/06/22	13:16:21	6.8	-73.19	157.0	1.6	Los Santos - Santander
2018/06/22	13:44:00	6.82	-73.16	151.0	1.0	Los Santos - Santander
2018/06/22	14:03:30	4.02	-71.62	0.0	1.9	Puerto Gaitán - Meta
2018/06/22	15:43:02	5.8	-76.01	77.0	1.1	Ciudad Bolívar - Antioquia
2018/06/22	17:53:01	6.64	-73.18	133.0	1.6	Villanueva - Santander
2018/06/22	19:05:57	6.73	-73.09	131.0	1.7	Jordán - Santander
2018/06/22	19:50:38	6.81	-73.15	138.0	2.1	Los Santos - Santander
2018/06/22	20:08:56	3.79	-76.3	73.0	3.7	Guacarí - Valle del Cauca
2018/06/22	20:14:00	1.24	-77.33	7.0	2.1	Volcán Galeras
2018/06/22	20:23:48	5.86	-75.86	25.0	1.2	Tarso - Antioquia
2018/06/22	20:40:53	6.62	-73.12	141.0	1.5	San Gil - Santander
2018/06/22	20:51:00	1.25	-77.31	5.0	2.0	Volcán Galeras
2018/06/22	21:33:22	6.82	-73.11	143.0	1.8	Los Santos - Santander
2018/06/22	22:58:20	6.81	-73.14	144.0	1.5	Los Santos - Santander
2018/06/22	23:16:05	7.98	-73.59	97.0	0.7	San Martín - Cesar
2018/06/23	00:06:31	6.78	-73.12	140.0	3.2	Los Santos - Santander
2018/06/23	00:45:01	5.31	-74.09	110.0	1.4	San Cayetano - Cundinamarca
2018/06/23	01:10:18	6.71	-73.08	131.0	1.8	Jordán - Santander
2018/06/23	02:14:55	1.76	-78.91	0.0	1.9	Océano Pacífico
2018/06/23	02:41:56	4.19	-76.71	24.0	1.3	El Litoral del San Juan (Docordó) - Chocó

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/23	02:52:45	6.75	-73.1	133.0	1.4	Los Santos - Santander
2018/06/23	03:33:07	3.22	-75.11	3.0	1.7	Villavieja - Huila
2018/06/23	04:59:11	8.72	-73.96	70.0	0.8	San Martin de Loba - Bolívar
2018/06/23	05:21:48	4.54	-76.31	124.0	1.4	El Dovio - Valle del Cauca
2018/06/23	05:50:45	8.29	-73.58	100.0	1.1	Aguachica - Cesar
2018/06/23	06:15:10	7.87	-75.1	14.0	1.9	Caucasia - Antioquia
2018/06/23	06:30:34	6.59	-73.56	117.0	0.7	El Carmen - Santander
2018/06/23	06:45:38	6.91	-73.04	111.0	1.3	Piedecuesta - Santander
2018/06/23	07:05:01	5.37	-73.78	155.0	1.3	Fúquene - Cundinamarca
2018/06/23	08:44:06	6.8	-73.18	143.0	1.6	Los Santos - Santander
2018/06/23	10:01:32	5.66	-74.37	81.0	1.2	Yacopí - Cundinamarca
2018/06/23	10:27:56	3.77	-74.69	26.0	1.8	Villarrica - Tolima
2018/06/23	11:04:11	6.43	-73.84	92.0	1.1	Cimitarra - Santander
2018/06/23	12:14:28	4.21	-76.3	131.0	1.5	Trujillo - Valle del Cauca
2018/06/23	13:29:04	6.84	-73.14	146.0	1.9	Los Santos - Santander
2018/06/23	13:31:25	9.95	-73.45	88.0	1.6	Agustín Codazzi - Cesar
2018/06/23	14:06:45	9.68	-73.81	9.0	1.0	El Paso - Cesar
2018/06/23	14:14:08	6.03	-73.8	113.0	0.7	El Peñón - Santander
2018/06/23	15:06:10	6.8	-73.1	132.0	1.8	Los Santos - Santander
2018/06/23	15:17:58	7.41	-73.31	123.0	0.6	Rionegro - Santander
2018/06/23	16:44:35	6.81	-73.14	138.0	2.5	Los Santos - Santander
2018/06/23	16:47:33	1.92	-76.04	17.0	1.2	Pitalito - Huila
2018/06/23	18:14:00	6.85	-73.14	139.0	2.1	Los Santos - Santander
2018/06/23	18:48:26	6.87	-73.21	141.0	1.8	Zapatoca - Santander
2018/06/23	20:47:34	4.04	-75.72	3.0	1.7	Roncesvalles - Tolima
2018/06/23	21:12:42	7.67	-72.65	0.0	1.7	Bochalema - Norte de Santander
2018/06/23	21:45:42	8.98	-73.68	90.0	1.1	Pailitas - Cesar
2018/06/23	21:57:11	6.81	-73.11	140.0	1.4	Los Santos - Santander
2018/06/23	22:06:42	3.77	-71.61	0.0	2.0	Puerto Gaitán - Meta
2018/06/23	22:08:24	6.49	-73.43	116.0	1.9	Simacota - Santander
2018/06/23	23:53:41	7.07	-73.92	93.0	1.1	Yondó (Casabe) - Antioquia
2018/06/24	00:54:25	2.5	-75.31	3.0	1.3	Algeciras - Huila
2018/06/24	03:35:03	6.83	-73.16	142.0	1.5	Los Santos - Santander
2018/06/24	03:46:39	3.79	-76.19	152.0	1.3	Ginebra - Valle del Cauca
2018/06/24	04:02:52	6.79	-73.11	132.0	1.7	Los Santos - Santander
2018/06/24	05:01:37	3.71	-77.14	52.0	1.8	Buenaventura - Valle del Cauca
2018/06/24	05:14:01	6.84	-73.13	140.0	2.4	Los Santos - Santander
2018/06/24	05:18:18	6.81	-73.14	137.0	1.9	Los Santos - Santander
2018/06/24	05:30:12	6.82	-73.23	129.0	1.5	Zapatoca - Santander
2018/06/24	05:31:21	3.3	-76.42	83.0	1.3	Puerto Tejada - Cauca
2018/06/24	05:55:33	6.81	-73.13	148.0	1.6	Los Santos - Santander
2018/06/24	06:53:48	3.95	-76.35	122.0	1.3	Yotoco - Valle del Cauca
2018/06/24	07:03:37	6.73	-73.16	146.0	1.5	Villanueva - Santander
2018/06/24	07:12:46	6.75	-74.31	62.0	0.9	Yondó (Casabe) - Antioquia
2018/06/24	07:31:13	6.81	-73.16	139.0	1.8	Los Santos - Santander
2018/06/24	07:39:45	10.28	-73.61	50.0	1.6	Valledupar - Cesar

FECHA	H:M:S	LAT	LOH	Z	M	UBICACION
2018/06/24	07:54:21	6.84	-73.12	136.0	2.0	Los Santos - Santander
2018/06/24	08:17:39	6.8	-73.14	139.0	2.1	Los Santos - Santander
2018/06/24	08:32:05	6.9	-76.51	0.0	1.6	Dabeiba - Antioquia
2018/06/24	08:34:07	6.81	-73.17	129.0	1.6	Los Santos - Santander
2018/06/24	08:42:24	5.92	-73.73	108.0	1.5	Guavatá - Santander
2018/06/24	09:11:35	6.8	-73.18	136.0	1.6	Los Santos - Santander
2018/06/24	09:41:23	7.7	-73.41	111.0	1.0	La Esperanza - Norte de Santander
2018/06/24	10:05:26	7.37	-73.47	108.0	1.3	Sabana de Torres - Santander
2018/06/24	10:36:31	7.46	-73.86	36.0	2.1	Puerto Wilches - Santander
2018/06/24	11:28:22	1.88	-75.89	47.0	1.3	Suaza - Huila
2018/06/24	11:36:05	2.84	-73.78	4.0	2.2	Vistahermosa - Meta
2018/06/24	12:36:36	6.83	-73.1	138.0	2.2	Los Santos - Santander
2018/06/24	13:25:28	6.45	-73.62	137.0	1.0	Santa Helena del Opón - Santander
2018/06/24	13:37:04	8.26	-73.62	100.0	1.0	Aguachica - Cesar
2018/06/24	13:45:58	5.5	-77.73	8.0	2.4	Océano Pacífico
2018/06/24	15:43:54	7.62	-73.68	90.0	1.3	Sabana de Torres - Santander
2018/06/24	16:26:13	10.4	-75.01	4.0	1.9	Manatí - Atlántico
2018/06/24	16:38:38	6.83	-73.21	134.0	1.6	Zapatoca - Santander
2018/06/24	17:11:16	3.96	-76.27	114.0	2.1	Buga - Valle del Cauca
2018/06/24	17:46:08	11.12	-72.72	0.0	2.3	Hato Nuevo - la Guajira
2018/06/24	18:39:03	6.14	-72.37	0.0	2.9	La Salina - Casanare
2018/06/24	18:50:49	6.8	-73.13	142.0	2.5	Los Santos - Santander
2018/06/24	18:58:05	6.79	-73.12	139.0	2.1	Los Santos - Santander
2018/06/24	19:29:58	6.79	-73.14	148.0	3.1	Los Santos - Santander
2018/06/24	19:40:38	4.46	-76.19	128.0	2.0	Roldanillo - Valle del Cauca
2018/06/24	20:50:59	6.87	-73.14	153.0	2.0	Los Santos - Santander
2018/06/24	21:07:07	6.9	-73.31	121.0	2.2	Betulia - Santander
2018/06/24	21:50:46	1.95	-75.89	1.0	1.4	Timaná - Huila
2018/06/24	22:17:42	2.35	-76.28	2.0	1.2	Inzá - Cauca
2018/06/24	22:24:53	3.58	-77.08	51.0	1.3	Buenaventura - Valle del Cauca
2018/06/24	23:44:12	6.77	-73.15	149.0	1.2	Los Santos - Santander
2018/06/25	00:01:31	10.4	-73.16	106.0	2.1	La Paz - Cesar
2018/06/25	00:04:00	6.85	-73.11	143.0	1.7	Los Santos - Santander
2018/06/25	02:06:59	6.89	-73.13	144.0	2.0	Los Santos - Santander
2018/06/25	02:49:36	3.99	-71.69	0.0	2.0	Puerto Gaitán - Meta
2018/06/25	03:11:57	6.56	-73.5	107.0	1.9	El Carmen - Santander
2018/06/25	03:45:14	6.86	-73.1	124.0	1.7	Los Santos - Santander
2018/06/25	04:03:17	2.17	-75.71	0.0	1.1	Agrado - Huila
2018/06/25	04:07:14	6.37	-76.12	-1.0	1.3	Urrao - Antioquia
2018/06/25	04:35:30	3.72	-77.17	93.0	1.9	Buenaventura - Valle del Cauca
2018/06/25	05:34:19	6.9	-77.46	0.0	2.1	Riosucio - Chocó
2018/06/25	06:00:41	2.18	-75.69	0.0	1.0	Agrado - Huila
2018/06/25	06:06:22	6.8	-73.13	143.0	1.5	Los Santos - Santander
2018/06/25	06:51:01	7.59	-74.75	40.0	1.7	El Bagre - Antioquia
2018/06/25	07:30:42	6.81	-73.16	146.0	1.5	Los Santos - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/25	08:45:59	2.29	-75.69	-0.0	1.0	Agrado - Huila
2018/06/25	09:18:13	6.71	-76.56	4.0	1.3	Frontino - Antioquia
2018/06/25	09:21:27	6.86	-73.14	151.0	2.1	Los Santos - Santander
2018/06/25	09:43:14	6.79	-73.13	137.0	1.9	Los Santos - Santander
2018/06/25	10:41:23	11.63	-73.33	14.0	1.9	Mar Caribe
2018/06/25	14:00:04	6.92	-72.94	175.0	1.7	Santa Bárbara - Santander
2018/06/25	14:44:28	5.26	-73.72	151.0	1.8	Lenguazaque - Cundinamarca
2018/06/25	15:36:49	9.0	-77.85	28.0	2.3	Panama-Colombia
2018/06/25	16:09:08	5.79	-72.56	-0.0	1.7	Socotá - Boyacá
2018/06/25	17:07:49	6.79	-73.29	117.0	1.2	Zapatoca - Santander
2018/06/25	18:02:35	6.37	-74.0	88.0	1.6	Cimitarra - Santander
2018/06/25	18:16:11	6.8	-73.14	142.0	2.2	Los Santos - Santander
2018/06/25	19:38:28	11.0	-72.65	91.0	1.5	Barrancas - la Guajira
2018/06/25	19:48:13	6.83	-73.16	136.0	2.0	Los Santos - Santander
2018/06/25	19:51:15	6.95	-76.24	-0.0	1.5	Dabeiba - Antioquia
2018/06/25	21:37:11	6.77	-73.12	141.0	2.0	Los Santos - Santander
2018/06/25	22:20:35	6.75	-73.17	168.0	1.8	Los Santos - Santander
2018/06/25	22:36:34	4.7	-74.6	20.0	2.1	Pulí - Cundinamarca
2018/06/25	22:46:16	6.85	-73.18	147.0	1.9	Zapatoca - Santander
2018/06/25	23:25:50	6.85	-73.12	149.0	2.3	Los Santos - Santander
2018/06/26	00:46:05	1.74	-80.11	40.0	2.4	Océano Pacifico
2018/06/26	03:03:26	4.49	-76.18	97.0	2.1	Roldanillo - Valle del Cauca
2018/06/26	04:42:47	6.82	-73.14	139.0	2.4	Los Santos - Santander
2018/06/26	04:58:44	7.04	-76.62	47.0	1.5	Carmen del Darién (Curbaradó) - Chocó
2018/06/26	05:02:22	6.82	-73.11	139.0	1.8	Los Santos - Santander
2018/06/26	05:34:46	6.94	-76.25	50.0	1.0	Dabeiba - Antioquia
2018/06/26	05:59:15	6.39	-73.71	95.0	1.7	Landázuri - Santander
2018/06/26	06:07:28	6.78	-73.15	145.0	1.5	Los Santos - Santander
2018/06/26	06:26:16	6.84	-76.16	0.0	1.2	Uramita - Antioquia
2018/06/26	07:03:41	11.28	-74.86	28.0	4.0	Mar Caribe
2018/06/26	07:18:26	4.01	-76.32	15.0	1.5	Yotoco - Valle del Cauca
2018/06/26	07:33:28	6.86	-73.15	142.0	1.4	Los Santos - Santander
2018/06/26	07:50:57	6.85	-73.02	121.0	1.6	Piedecuesta - Santander
2018/06/26	08:43:14	8.59	-77.68	41.0	1.9	Panama-Colombia
2018/06/26	08:51:09	4.68	-73.39	-0.0	1.4	Ubalá - Cundinamarca
2018/06/26	09:36:18	6.81	-73.14	143.0	2.1	Los Santos - Santander
2018/06/26	10:12:33	7.39	-73.18	149.0	1.6	Rionegro - Santander
2018/06/26	10:16:04	4.78	-76.25	94.0	1.2	El Cairo - Valle del Cauca
2018/06/26	10:55:05	7.08	-76.32	-1.0	1.3	Dabeiba - Antioquia
2018/06/26	10:58:00	5.26	-73.7	145.0	2.5	Lenguazaque - Cundinamarca
2018/06/26	11:37:20	4.05	-75.6	4.0	1.5	Roncesvalles - Tolima
2018/06/26	11:55:55	5.35	-75.59	187.0	1.5	Filadelfia - Caldas
2018/06/26	12:03:44	9.8	-73.06	8.0	1.2	Becerrill - Cesar
2018/06/26	14:13:29	6.77	-73.16	138.0	1.5	Los Santos - Santander
2018/06/26	14:28:17	4.02	-76.43	111.0	1.5	Calima (El Darién) - Valle del Cauca

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/26	14:29:48	11.91	-74.05	89.0	2.1	Mar Caribe
2018/06/26	16:02:46	10.23	-73.03	0.0	1.5	La Paz - Cesar
2018/06/26	16:26:53	6.92	-76.29	-0.0	2.3	Dabeiba - Antioquia
2018/06/26	16:51:37	8.4	-77.23	58.0	1.8	Acandí - Chocó
2018/06/26	18:02:17	5.44	-73.8	143.0	1.4	Susa - Cundinamarca
2018/06/26	19:09:46	4.49	-76.41	29.0	1.3	Sipí - Chocó
2018/06/26	19:30:46	6.81	-73.13	133.0	1.7	Los Santos - Santander
2018/06/26	20:34:06	6.8	-73.13	146.0	1.8	Los Santos - Santander
2018/06/26	23:14:31	5.27	-73.73	144.0	1.9	Lenguazaque - Cundinamarca
2018/06/26	23:30:25	6.78	-73.12	141.0	2.0	Los Santos - Santander
2018/06/27	00:32:23	10.21	-73.09	95.0	1.6	La Paz - Cesar
2018/06/27	00:37:40	6.83	-73.15	150.0	1.7	Los Santos - Santander
2018/06/27	01:41:21	6.95	-76.18	-2.0	1.5	Uramita - Antioquia
2018/06/27	02:10:25	7.76	-76.49	26.0	1.3	Carepa - Antioquia
2018/06/27	02:24:22	6.85	-73.13	140.0	2.7	Los Santos - Santander
2018/06/27	02:34:59	6.87	-73.14	146.0	2.1	Los Santos - Santander
2018/06/27	03:18:06	6.8	-73.13	151.0	1.7	Los Santos - Santander
2018/06/27	03:45:10	2.63	-76.96	43.0	1.2	El Tambo - Cauca
2018/06/27	03:51:14	6.84	-73.17	139.0	1.7	Los Santos - Santander
2018/06/27	04:04:33	3.62	-76.39	116.0	1.2	Palmira - Valle del Cauca
2018/06/27	04:07:37	8.3	-77.1	24.0	2.0	Unguía - Chocó
2018/06/27	04:41:34	6.93	-76.28	-0.0	1.2	Dabeiba - Antioquia
2018/06/27	04:45:42	6.84	-76.51	21.0	1.6	Dabeiba - Antioquia
2018/06/27	04:48:41	3.04	-76.62	42.0	1.2	Buenos Aires - Cauca
2018/06/27	04:57:53	3.0	-76.66	46.0	0.9	Buenos Aires - Cauca
2018/06/27	05:05:37	7.23	-73.66	11.0	1.4	Barrancabermeja - Santander
2018/06/27	05:36:17	6.76	-73.29	171.0	1.7	Zapatoca - Santander
2018/06/27	06:17:46	6.61	-76.79	4.0	1.4	Vigia del Fuerte - Antioquia
2018/06/27	07:01:50	4.06	-77.21	15.0	1.5	Cerca de la Costa Oeste de Colombia
2018/06/27	07:54:24	6.82	-73.22	138.0	1.6	Zapatoca - Santander
2018/06/27	07:57:49	4.71	-76.89	20.0	1.4	Medio San Juan (Andagoya) - Chocó
2018/06/27	09:28:54	3.85	-77.05	48.0	1.1	Buenaventura - Valle del Cauca
2018/06/27	09:38:55	6.76	-73.21	160.0	1.7	Villanueva - Santander
2018/06/27	11:18:27	6.82	-73.17	150.0	1.5	Los Santos - Santander
2018/06/27	11:20:44	10.3	-73.03	-1.0	1.2	La Paz - Cesar
2018/06/27	11:34:13	10.85	-73.35	79.0	1.6	Valledupar - Cesar
2018/06/27	12:24:51	3.4	-74.6	13.0	1.2	Uribe - Meta
2018/06/27	13:12:33	3.24	-76.28	126.0	1.0	Miranda - Cauca
2018/06/27	14:21:11	8.69	-73.5	95.0	1.7	La Gloria - Cesar
2018/06/27	15:17:51	3.23	-76.41	46.0	0.5	Puerto Tejada - Cauca
2018/06/27	17:24:41	6.69	-73.26	166.0	1.8	Barichara - Santander
2018/06/27	17:56:10	6.83	-73.34	152.0	1.6	Zapatoca - Santander
2018/06/27	20:16:06	6.82	-73.13	142.0	2.0	Los Santos - Santander
2018/06/27	20:32:01	6.86	-73.12	146.0	2.8	Los Santos - Santander
2018/06/27	21:19:09	6.62	-73.61	14.0	1.6	El Carmen - Santander

FECHA	H:M:S	LAT	LON	Z	M	UBICACION
2018/06/27	21:20:15	6.81	-73.27	151.0	1.5	Zapatoca - Santander
2018/06/27	23:24:23	7.29	-76.19	40.0	1.3	Ituango - Antioquia
2018/06/28	01:10:03	10.54	-73.43	81.0	1.3	Valledupar - Cesar
2018/06/28	01:19:02	5.06	-74.7	23.0	1.1	Guaduas - Cundinamarca
2018/06/28	02:00:44	3.71	-78.49	11.0	1.9	Océano Pacífico
2018/06/28	02:02:26	11.43	-74.08	0.0	2.5	Mar Caribe
2018/06/28	02:23:47	3.87	-76.24	127.0	1.1	Buga - Valle del Cauca
2018/06/28	03:36:22	6.91	-73.61	0.0	1.3	San Vicente de Chucurí - Santander
2018/06/28	03:50:52	3.9	-76.34	114.0	1.1	Buga - Valle del Cauca
2018/06/28	04:24:10	9.89	-73.47	21.0	1.4	Agustín Codazzi - Cesar
2018/06/28	04:33:22	3.57	-74.43	0.0	1.4	Uribe - Meta
2018/06/28	04:36:46	2.54	-76.68	5.0	0.6	Popayán - Cauca
2018/06/28	05:27:45	3.88	-76.36	113.0	1.3	Buga - Valle del Cauca
2018/06/28	06:33:37	3.91	-73.63	-0.0	0.8	Acacías - Meta
2018/06/28	07:11:01	8.87	-73.47	91.0	2.5	Pailitas - Cesar
2018/06/28	07:30:00	1.85	-76.83	4.0	0.8	Almaguer - Cauca
2018/06/28	08:02:23	6.8	-73.11	143.0	1.5	Los Santos - Santander
2018/06/28	08:02:24	2.89	-76.32	14.0	1.1	Jambaló - Cauca
2018/06/28	09:17:32	6.84	-73.14	143.0	1.9	Los Santos - Santander
2018/06/28	09:37:45	6.58	-76.52	0.0	1.3	Urao - Antioquia
2018/06/28	10:10:08	8.75	-75.5	10.0	1.6	Sahagún - Córdoba
2018/06/28	10:32:12	6.1	-73.49	108.0	1.4	Suaita - Santander
2018/06/28	10:35:20	7.06	-76.22	-0.0	1.3	Dabeiba - Antioquia
2018/06/28	11:45:29	2.04	-75.71	-0.0	1.2	Guadalupe - Huila
2018/06/28	11:59:24	6.64	-73.34	168.0	1.5	Galán - Santander
2018/06/28	12:07:24	4.89	-75.48	5.0	1.4	Santa Rosa de Cabal - Risaralda
2018/06/28	13:02:37	4.14	-77.18	47.0	1.5	Buenaventura - Valle del Cauca
2018/06/28	13:04:21	8.26	-72.77	0.0	1.7	Sardinata - Norte de Santander
2018/06/28	13:57:23	6.85	-73.11	140.0	2.5	Los Santos - Santander
2018/06/28	14:01:06	6.79	-73.11	135.0	1.8	Los Santos - Santander
2018/06/28	15:05:33	6.26	-73.58	16.0	1.6	El Guacamayo - Santander
2018/06/28	15:18:09	6.5	-73.58	100.0	1.8	Santa Helena del Opón - Santander
2018/06/28	15:37:51	6.84	-73.11	142.0	1.7	Los Santos - Santander
2018/06/28	15:38:55	7.4	-73.17	137.0	1.6	Rionegro - Santander
2018/06/28	16:07:18	7.01	-73.91	18.0	1.3	Yondó (Casabe) - Antioquia
2018/06/28	16:56:06	6.83	-73.08	141.0	2.4	Los Santos - Santander
2018/06/28	17:40:56	5.63	-73.93	107.0	1.4	Pauna - Boyacá
2018/06/28	21:54:58	5.27	-73.7	139.0	1.8	Lenguazaque - Cundinamarca
2018/06/28	22:34:46	6.51	-73.7	99.0	2.2	Simacota - Santander
2018/06/28	23:08:29	6.78	-73.14	144.0	2.2	Los Santos - Santander
2018/06/29	00:02:36	6.93	-76.45	0.0	2.1	Dabeiba - Antioquia
2018/06/29	00:52:05	6.83	-73.14	139.0	3.0	Los Santos - Santander
2018/06/29	01:51:07	6.83	-73.19	140.0	1.8	Zapatoca - Santander
2018/06/29	02:55:14	6.83	-76.42	3.0	2.8	Frontino - Antioquia
2018/06/29	05:09:20	4.69	-76.27	112.0	1.7	Versalles - Valle del Cauca

FECHA	H:M:S	LAT	Lon	Z	M	UBICACION
2018/06/29	05:22:26	8.49	-74.27	2.0	1.5	Tiquisio (Puerto Rico) - Bolívar
2018/06/29	06:38:50	6.85	-73.12	151.0	1.6	Los Santos - Santander
2018/06/29	07:10:30	3.99	-76.36	124.0	1.3	Yotoco - Valle del Cauca
2018/06/29	07:39:17	11.3	-73.09	56.0	1.4	Riohacha - la Guajira
2018/06/29	08:15:49	6.79	-73.14	146.0	1.5	Los Santos - Santander
2018/06/29	08:26:28	6.78	-73.12	146.0	1.5	Los Santos - Santander
2018/06/29	08:43:11	6.77	-76.99	-1.0	1.6	Bojayá (Bellavista) - Chocó
2018/06/29	09:09:37	6.81	-73.18	147.0	1.6	Los Santos - Santander
2018/06/29	09:27:57	6.47	-71.68	16.0	1.4	Tame - Arauca
2018/06/29	10:05:42	3.86	-76.13	26.0	0.9	Buga - Valle del Cauca
2018/06/29	10:28:49	6.87	-73.15	153.0	2.0	Los Santos - Santander
2018/06/29	10:41:42	5.78	-75.98	4.0	2.3	Ciudad Bolívar - Antioquia
2018/06/29	12:08:30	6.81	-73.16	145.0	3.1	Los Santos - Santander
2018/06/29	13:33:35	6.85	-73.12	152.0	1.8	Los Santos - Santander
2018/06/29	16:01:19	6.79	-73.12	143.0	1.8	Los Santos - Santander
2018/06/29	16:08:15	6.8	-73.13	144.0	1.4	Los Santos - Santander
2018/06/29	18:29:37	5.89	-74.14	78.0	1.6	La Belleza - Santander
2018/06/29	19:48:07	5.34	-73.73	145.0	1.6	Lenguazaque - Cundinamarca
2018/06/29	21:21:24	6.75	-73.17	137.0	1.8	Los Santos - Santander
2018/06/29	21:44:58	6.63	-72.9	105.0	1.9	Curití - Santander
2018/06/29	22:19:28	6.83	-73.17	154.0	1.8	Los Santos - Santander
2018/06/29	22:42:13	5.8	-74.2	3.0	1.0	Otanche - Boyacá
2018/06/30	00:44:23	6.8	-73.17	142.0	2.1	Los Santos - Santander
2018/06/30	02:55:01	6.7	-76.75	6.0	2.0	Murindó - Antioquia
2018/06/30	03:40:32	5.28	-74.72	0.0	2.1	Guaduas - Cundinamarca
2018/06/30	05:13:58	5.0	-75.53	-2.0	1.2	Villamaria - Caldas
2018/06/30	06:49:39	6.84	-73.15	144.0	2.4	Los Santos - Santander
2018/06/30	09:16:21	6.87	-73.14	155.0	2.2	Los Santos - Santander
2018/06/30	09:42:42	4.87	-74.74	-0.0	2.4	San Juan de Rioseco - Cundinamarca
2018/06/30	10:37:20	6.83	-73.16	0.0	1.5	Los Santos - Santander
2018/06/30	11:46:54	6.85	-73.14	146.0	2.2	Los Santos - Santander
2018/06/30	12:55:51	2.91	-76.06	0.0	1.7	Páez (Belalcázar) - Cauca
2018/06/30	14:08:37	7.54	-74.14	22.0	1.8	San Pablo - Bolívar
2018/06/30	15:46:01	2.45	-79.67	0.0	2.7	Océano Pacífico
2018/06/30	16:30:54	6.85	-73.15	0.0	1.6	Los Santos - Santander
2018/06/30	18:01:57	6.84	-73.12	143.0	2.5	Los Santos - Santander
2018/06/30	18:59:18	9.89	-73.27	105.0	1.8	Agustín Codazzi - Cesar
2018/06/30	19:10:59	6.82	-73.13	149.0	1.8	Los Santos - Santander
2018/06/30	21:14:20	6.82	-73.12	145.0	1.6	Los Santos - Santander
2018/06/30	21:32:18	6.82	-73.1	137.0	2.0	Los Santos - Santander

Tabla 3.2: Eventos durante junio de 2018

3.4 Mapa de sismicidad mensual junio de 2018

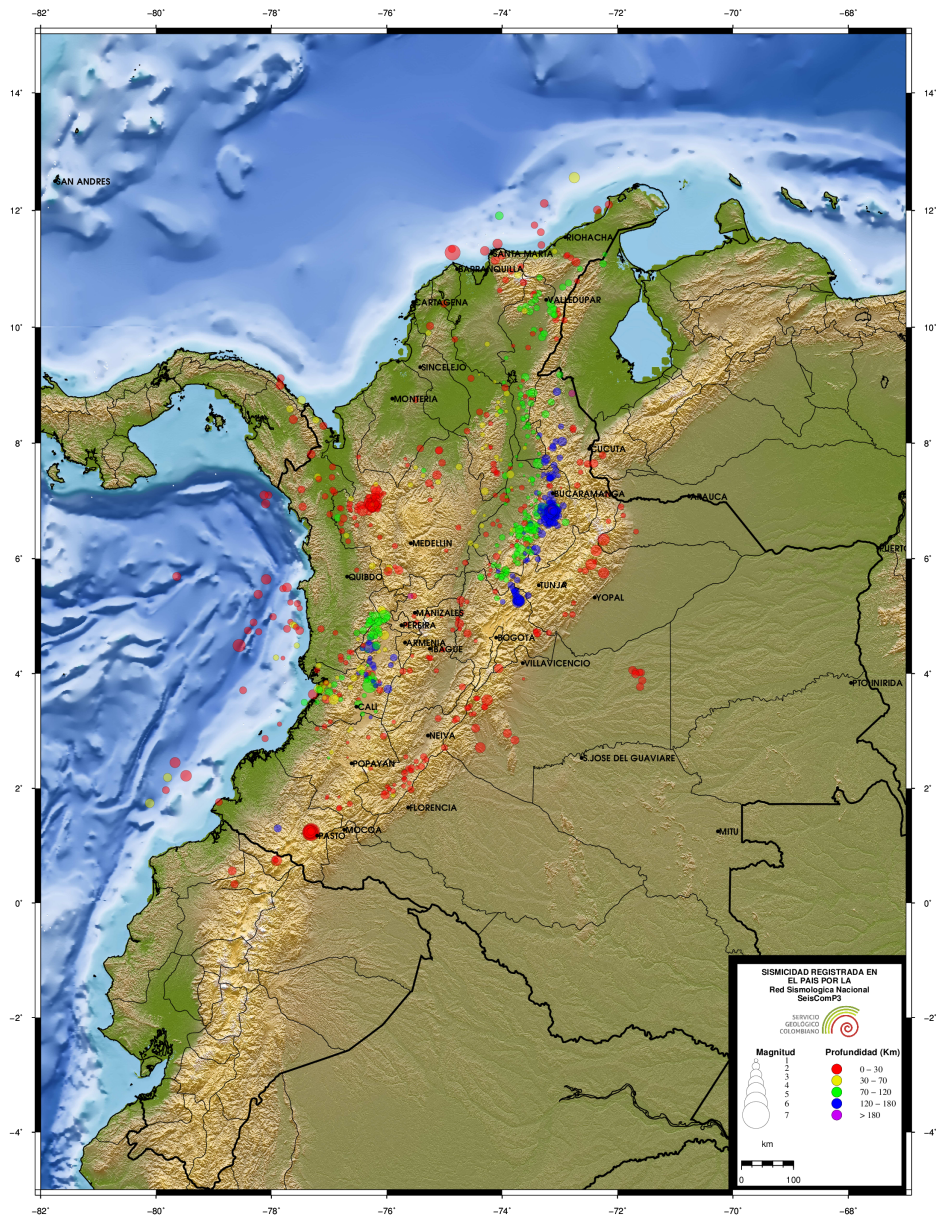


Figura 3.2: Eventos durante junio de 2018

4

ESTADÍSTICAS DE LA SISMICIDAD MENSUAL

4.1 Errores

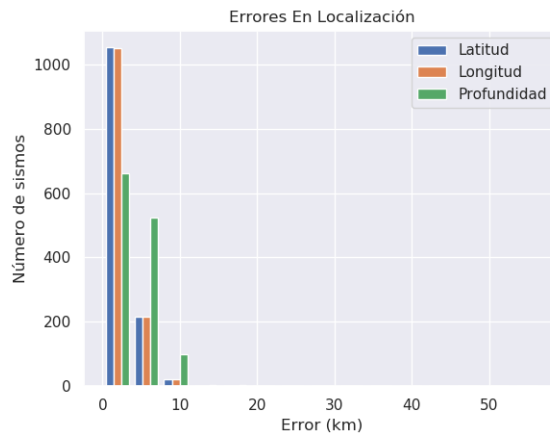


Figura 4.1: Error en latitud, longitud y profundidad (km)

4.2 No. de Sismos

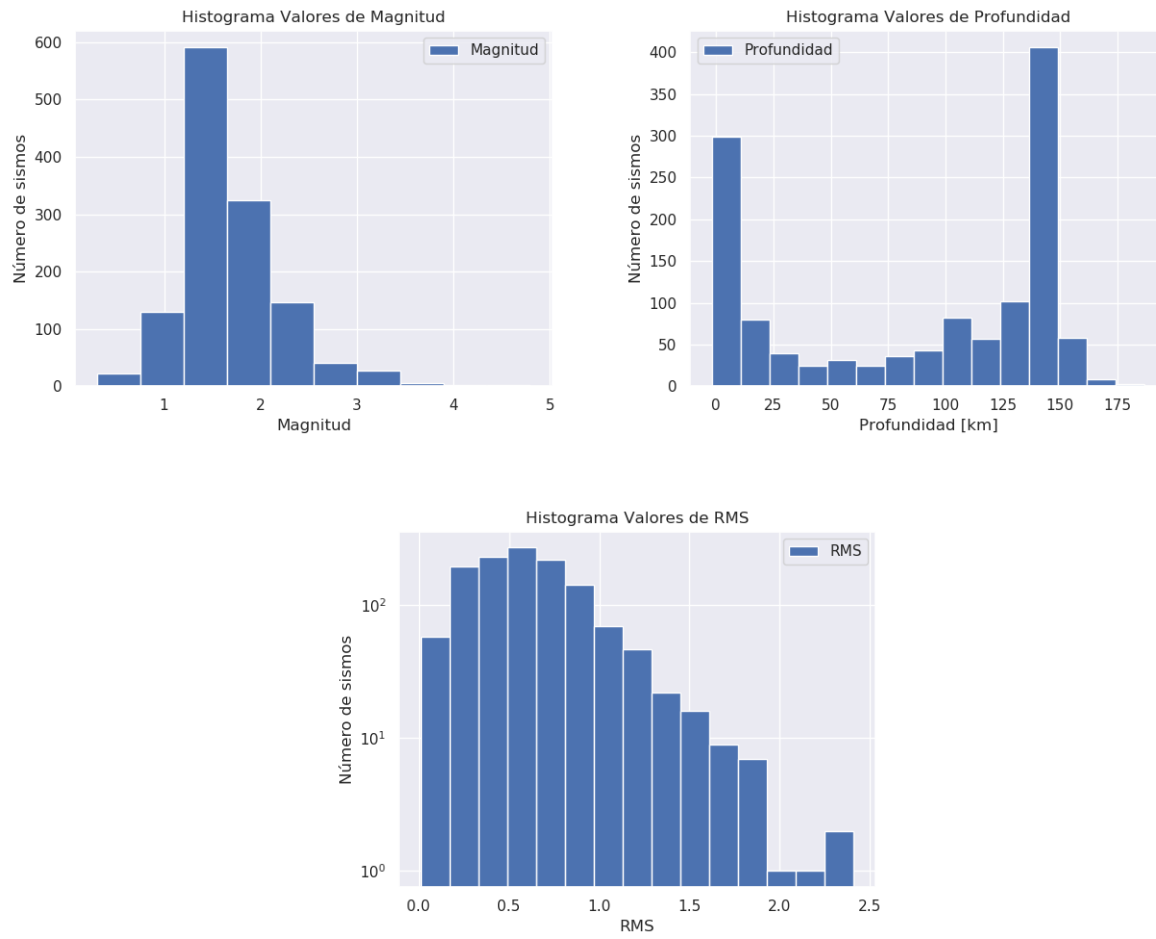


Figura 4.2: No de eventos por magnitud, profundidad y rms

4.3 Evolución Temporal

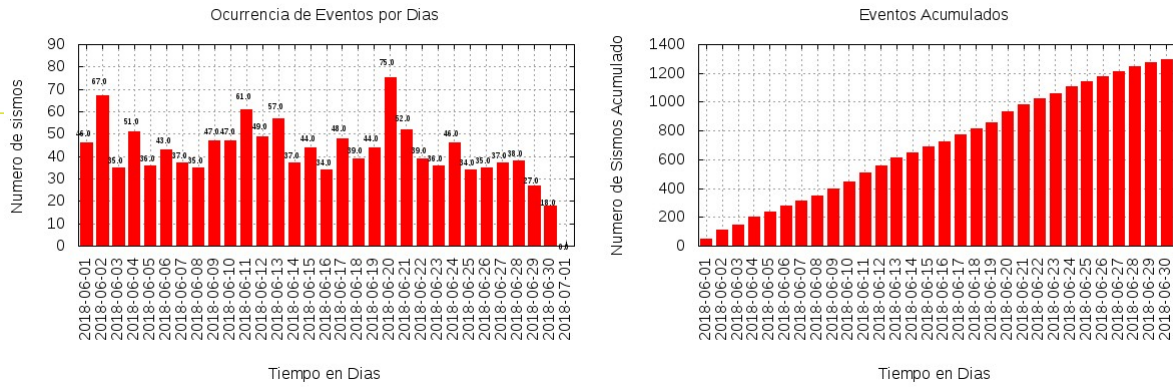


Figura 4.3: No de eventos por días y acumulado por días