



BOLETÍN DE SISMOS

Julio-Diciembre de 2015

Red Sismológica Nacional de Colombia – RSNC –

Volumen 23, No. II

Bogotá, marzo de 2016

República de Colombia
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA
SERVICIO GEOLÓGICO COLOMBIANO**



Boletín de Sismos: julio-diciembre de 2015

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PRESENTACION

La Red Sismológica Nacional de Colombia - RSNC, adscrita a la Subdirección de Amenazas Geológicas y Entorno Ambiental de INGEOMINAS, 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 para la Prevención y Atención de Desastres (SNPAD), a las diferentes entidades y a la comunidad en general.

El propósito del boletín semestral 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.ingeoimas.gov.co>.

Cordialmente,

Geól. Jaime Raigosa Arango.

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Red Sismológica Nacional de Colombia

Director General del SERVICIO GEOLÓGICO COLOMBIANO

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RED SISMOLÓGICA NACIONAL DE COLOMBIA

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FUNCIONAMIENTO DE LAS ESTACIONES RSNC

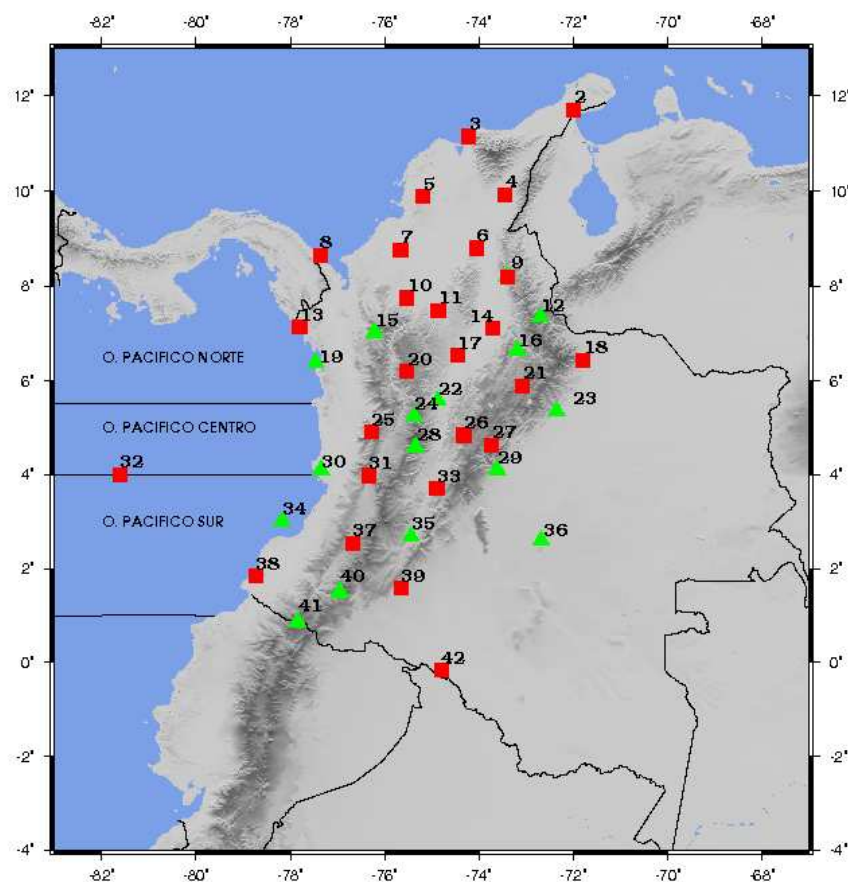


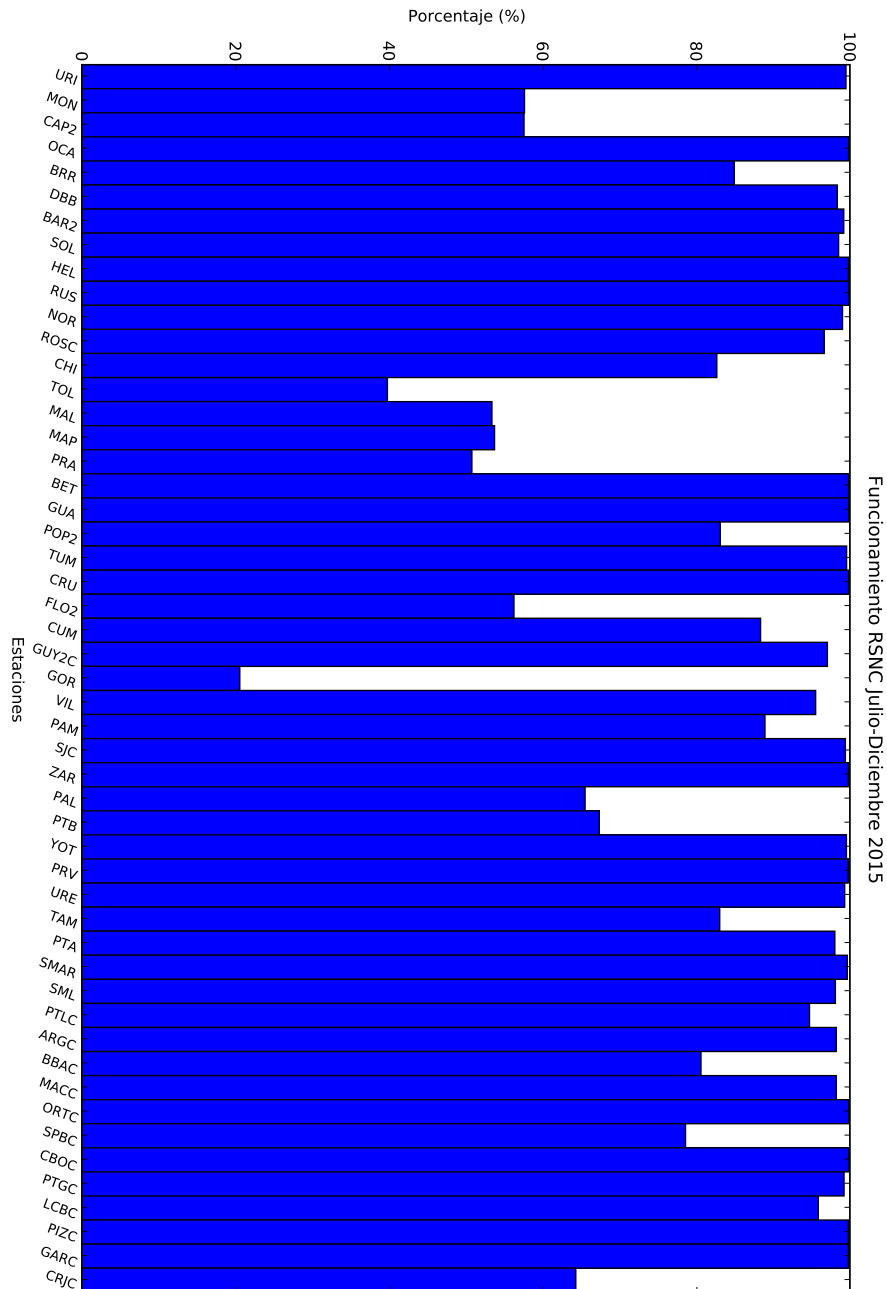
Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

No.	Tipo de Sensor*	Nombre de la Estación	%
1	BB	URIBIA	99.5
2	BB	MONTERIA	57.64
3	BB	CAPURGANA	57.58
4	BB	OCANA	99.84
5	BB	BARRANCA	84.94
6	BB	DABEIBA	98.35
7	BB	BARICHARA	99.21
8	BB	SOLANO	98.54
9	BB	HELENA	99.82
10	BB	RUSIA	99.87
11	BB	NORCASIA	99.05
12	BB	ROSAL	96.66
13	BB	CHINGAZA	82.68
14	BB	TOLIMA	39.79
15	SP	MALAGA	53.4
16	BB	MALPELO	53.74
17	BB	PRADO	50.79
18	SP	BETANIA	99.83
19	SP	GUAVIARE	99.85
20	BB	POPAYAN	83.13
21	BB	TUMACO	99.58
22	SP	CRUZ	99.84
23	BB	FLORENCIA	56.27
24	BB	CUMBAL	88.38
25	BB	GUYANA	97.08
26	BB	GORGONA	20.57
27	SP	VILLAVICENCIO	95.55
28	SP	PAMPLONA	88.95
29	BB	SAN JACINTO	99.42
30	BB	ZARAGOZA	99.81
31	BB	SAN JOSE DEL PALMAR	65.53
32	BB	PUERTO BERRIO	67.38
33	SP	YOTOCO	99.56
34	BB	PROVIDENCIA	99.79
35	SP	SAN JOSE DE URE	99.33
36	SP	TAME	83.06
37	BB	PUNTA ARDITA	98.05
38	BB	SANTA MARTA	99.66
39	BB	SAN MARTIN DE LOBA	98.12
40	BB	PUERTO LEGUIZAMO	94.75
41	SP	ARIGUANI	98.22
42	SP	BALBOA	80.62
43	BB	MACARENA	98.23
44	SP	ORTEGA	99.85
45	BB	SAN PABLO DE BORBUR	78.61
46	BB	CIUDAD BOLIVAR	99.87
47	BB	PUERTO GAITAN	99.25
48	BB	LOS CORDOBAS	95.89
49	BB	PIZARRO	99.81
50	SP	GARZON	99.81
51	BB	CERREJON	64.32

* SP = Período corto
BB = Banda ancha



HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



SISMICIDAD DE JULIO-DICIEMBRE DE 2015

Durante los meses de julio-diciembre se registraron 12765 eventos, de los cuales: 10893 corresponden a eventos locales y de estos se localizaron 5584, 1365 fueron Regionales y 507 Distantes. De los eventos localizados, 58 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 3.0 en la escala de Richter.
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.
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 julio-diciembre de 2015

N	FECHA	H:M:S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
11	Jul 1 2015	05:55:26.4	6.80	-73.13	145	4.5	0.5	72	115	LOS SANTOS (SANTANDER)*
257	Jul 11 2015	00:53:22.4	7.26	-78.27	6	3.5	0.5	123	53	PACIFICO FRONTERA CON PANAMA *
318	Jul 12 2015	17:39:14.3	9.88	-74.43	17	3.6	0.4	99	61	NUEVA GRANADA (MAGDALENA)*
407	Jul 14 2015	23:26:57.5	6.79	-73.08	153	4.6	0.5	104	124	LOS SANTOS (SANTANDER)*
447	Jul 17 2015	03:32: 4.5	6.21	-76.81	Sup	3.4	0.7	68	76	MEDIO ATRATO (CHOCO)*
459	Jul 17 2015	22:31: 7.4	7.01	-79.79	32	3.6	0.7	117	43	O. PACIFICO NORTE *
474	Jul 18 2015	12:34:43.0	6.82	-73.15	141	3.8	0.4	125	79	LOS SANTOS (SANTANDER)*
506	Jul 19 2015	11:16:21.4	2.88	-79.16	24	4.0	0.6	92	97	O. PACIFICO SUR *
545	Jul 20 2015	20:47:19.1	2.64	-75.06	Sup	3.9	0.5	112	69	RIVERA (HUILA)*
645	Jul 24 2015	08:41:23.9	4.14	-73.75	Sup	3.9	0.5	38	85	GUAYABETAL (CUNDINAMARCA)*
712	Jul 27 2015	00:45:34.6	5.02	-75.52	Sup	3.2	0.6	56	69	VILLAMARIA (CALDAS)*
755	Jul 29 2015	00:10:24.9	8.15	-77.33	14	5.3	0.6	105	116	FRONTERA CON PANAMA *
767	Jul 29 2015	06:53:58.7	8.16	-77.32	14	3.5	0.6	106	56	FRONTERA CON PANAMA *
1062	Ago 8 2015	16:54:41.8	5.15	-73.02	Sup	4.0	0.4	75	61	PAEZ (BOYACA)*
1094	Ago 9 2015	19:36:19.8	10.84	-72.18	114	5.0	0.5	129	91	FRONTERA CON VENEZUELA *

1111	Ago 10 2015	16:59:44.8	5.33	-72.69	Sup	3.8	0.6	114	60	PAJARITO (BOYACA)*
1219	Ago 14 2015	21:49:15.9	6.94	-76.30	Sup	3.5	0.6	56	44	DABEIBA (ANTIOQUIA)*
1433	Ago 21 2015	14:16:16.8	4.43	-75.68	Sup	3.9	0.7	52	93	CORDOBA (QUINDIO)*
1460	Ago 22 2015	10:00:17.9	5.98	-77.65	15	3.5	0.6	122	72	O. PACIFICO NORTE *
1495	Ago 23 2015	11:37:13.1	3.84	-71.35	Sup	4.0	0.6	194	68	PUERTO GAITAN (META)
1524	Ago 24 2015	02:15:50.6	3.84	-71.31	Sup	4.0	0.6	191	70	PUERTO GAITAN (META)*
1534	Ago 24 2015	07:04:47.1	6.80	-73.14	151	3.8	0.4	71	94	LOS SANTOS (SANTANDER)*
1561	Ago 25 2015	01:02:18.1	3.83	-71.37	Sup	3.7	0.3	234	31	PUERTO GAITAN (META)*
1757	Ago 31 2015	10:34:40.5	3.82	-71.39	Sup	3.8	0.6	190	76	PUERTO GAITAN (META)*
1770	Ago 31 2015	17:42:22.2	3.87	-71.34	Sup	3.8	0.6	190	79	PUERTO GAITAN (META)*
1841	Sep 2 2015	12:20: 8.8	3.82	-71.36	Sup	4.0	0.6	194	83	PUERTO GAITAN (META)*
1863	Sep 3 2015	03:53:19.3	1.87	-76.01	7	3.2	0.4	93	52	PITALITO (HUILA)*
1949	Sep 4 2015	20:59: 1.7	5.76	-75.99	32	3.3	0.5	48	81	BETANIA (ANTIOQUIA)*
1981	Sep 5 2015	23:14:53.7	4.00	-76.41	135	4.5	0.4	44	143	CALIMA (CALLE)*
2025	Sep 7 2015	05:51:17.2	8.68	-77.89	8	4.2	0.5	131	107	FRONTERA CON PANAMA *
2046	Sep 7 2015	17:35:31.7	6.81	-73.14	150	4.4	0.6	67	105	LOS SANTOS (SANTANDER)*
2219	Sep 12 2015	21:14:47.3	7.16	-73.16	Sup	2.7	0.6	106	55	BUCARAMANGA (SANTANDER)*
2231	Sep 13 2015	04:54:46.8	1.26	-77.35	Sup	3.0	0.6	65	31	NARINO (NARINO)*
2291	Sep 14 2015	15:38:22.6	7.58	-78.45	12	4.1	0.5	101	95	O. PACIFICO (FRONTERA CON PANAMA)*
2350	Sep 16 2015	20:19: 9.2	10.62	-72.73	6	3.8	0.5	54	65	FRONTERA CON VENEZUELA *
2400	Sep 18 2015	04:35: 9.1	4.10	-75.87	Sup	4.2	0.6	34	125	GENOVA (QUINDIO)*
2457	Sep 19 2015	20:45:45.6	6.06	-74.29	Sup	3.9	0.6	54	92	PUERTO BOYACA (BOYACA)*
2571	Sep 23 2015	18:47:23.2	6.52	-73.56	137	4.2	0.5	50	87	EL CARMEN (SANTANDER)*
2643	Sep 27 2015	00:22:48.7	10.28	-72.95	Sup	3.0	0.4	88	38	MANAURE BALCON CESAR (CESAR)*
3158	Oct 12 2015	04:35:40.0	7.47	-77.56	Sup	4.5	0.7	47	120	JURADO (CHOCO)*
3242	Oct 14 2015	07:47:19.4	7.74	-73.32	117	5.4	0.5	59	128	SAN ALBERTO (CESAR)*
3343	Oct 17 2015	05:53:45.1	6.82	-73.14	150	3.9	0.6	56	93	LOS SANTOS (SANTANDER)*
3456	Oct 21 2015	04:25:11.9	7.13	-76.28	Sup	2.8	0.6	110	48	DABEIBA (ANTIOQUIA)*
3689	Oct 29 2015	00:34:23.2	6.80	-73.11	156	4.2	0.5	54	92	LOS SANTOS (SANTANDER)*
3716	Oct 29 2015	22:40:25.2	6.80	-73.14	153	4.3	0.5	53	89	LOS SANTOS (SANTANDER)*
4079	Nov 13 2015	06:03:15.9	7.15	-71.95	Sup	3.4	0.6	74	61	FRONTERA CON VENEZUELA *
4101	Nov 14 2015	01:59:17.0	5.06	-74.68	12	3.6	0.7	39	76	GUADUAS (CUNDINAMARCA)*
4160	Nov 16 2015	13:11:55.5	8.35	-77.13	32	4.1	0.5	82	90	ACANDI (CHOCO)*
4169	Nov 16 2015	18:05:31.0	3.95	-76.60	30	2.9	0.5	117	41	CALIMA (VALLE)*
4489	Nov 28 2015	10:59:12.8	3.82	-71.35	Sup	4.8	0.6	191	86	PUERTO GAITAN (META)*
4507	Nov 28 2015	17:45: 3.8	6.81	-73.14	154	4.9	0.5	65	76	LOS SANTOS (SANTANDER)*
4791	Dic 7 2015	17:10:13.7	3.82	-71.30	Sup	4.0	0.7	220	73	PUERTO GAITAN (META)*
4832	Dic 9 2015	01:09:47.2	10.59	-73.53	Sup	2.8	0.6	107	31	PUEBLO BELLO (CESAR)*
4900	Dic 12 2015	01:33:14.0	5.56	-77.80	21	3.7	0.4	160	73	O. PACIFICO CENTRO *
5332	Dic 25 2015	17:35:59.1	2.37	-76.36	6	3.8	0.7	83	55	VOLCAN PURACE (CAUCA)*
5348	Dic 26 2015	07:20:22.0	4.35	-73.74	Sup	3.1	0.8	166	59	EL CALVARIO (META)*
5361	Dic 26 2015	13:04:59.7	6.83	-73.12	151	4.2	0.4	53	84	LOS SANTOS (SANTANDER)*
5468	Dic 29 2015	02:54: 6.4	6.86	-76.70	Sup	4.8	0.5	55	125	MURINDO (ANTIOQUIA)*

* Eventos Sísmicos reportados como sentidos

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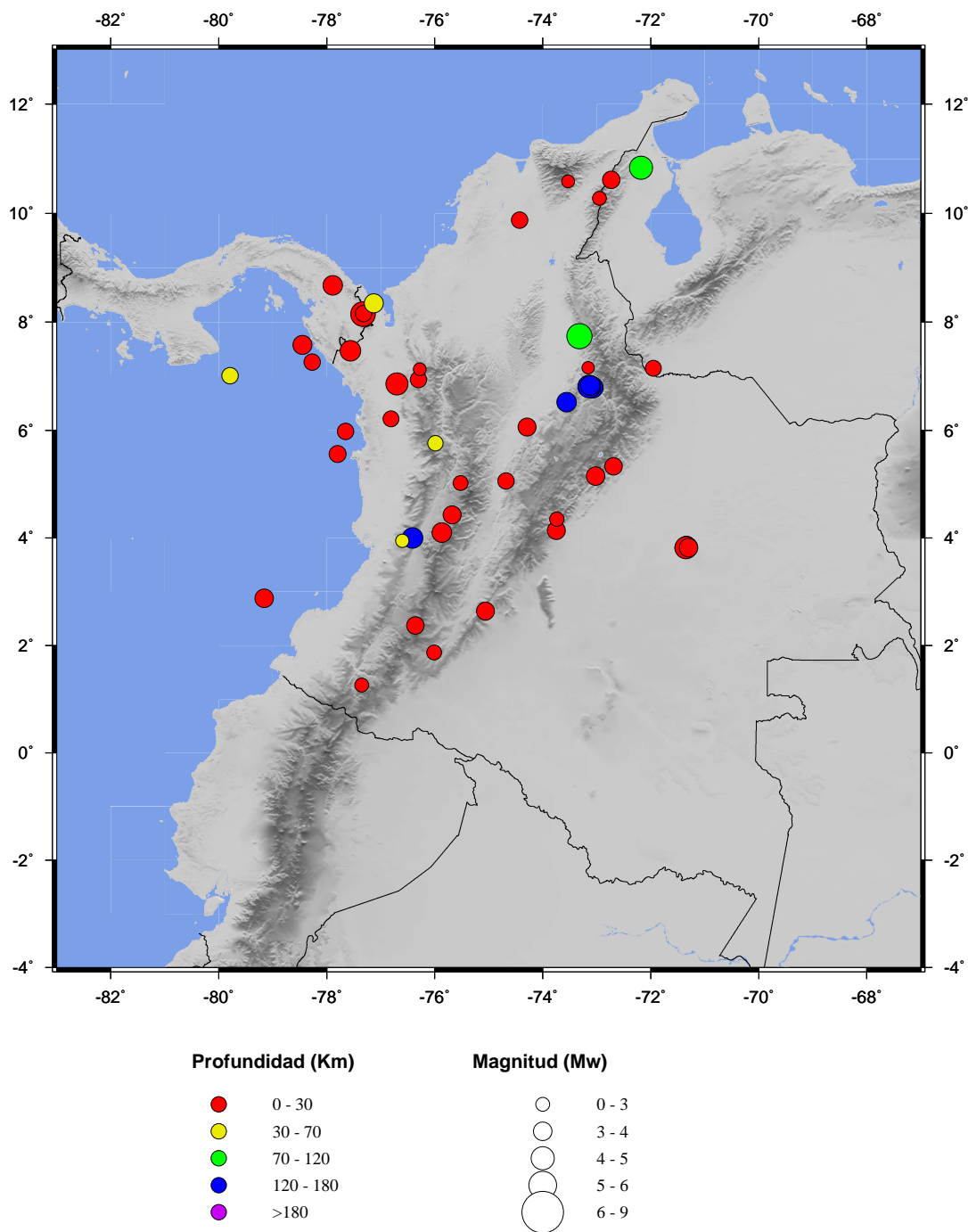


Figura 2: Sismos destacados localizados por la RSNC, durante julio-diciembre de 2015.

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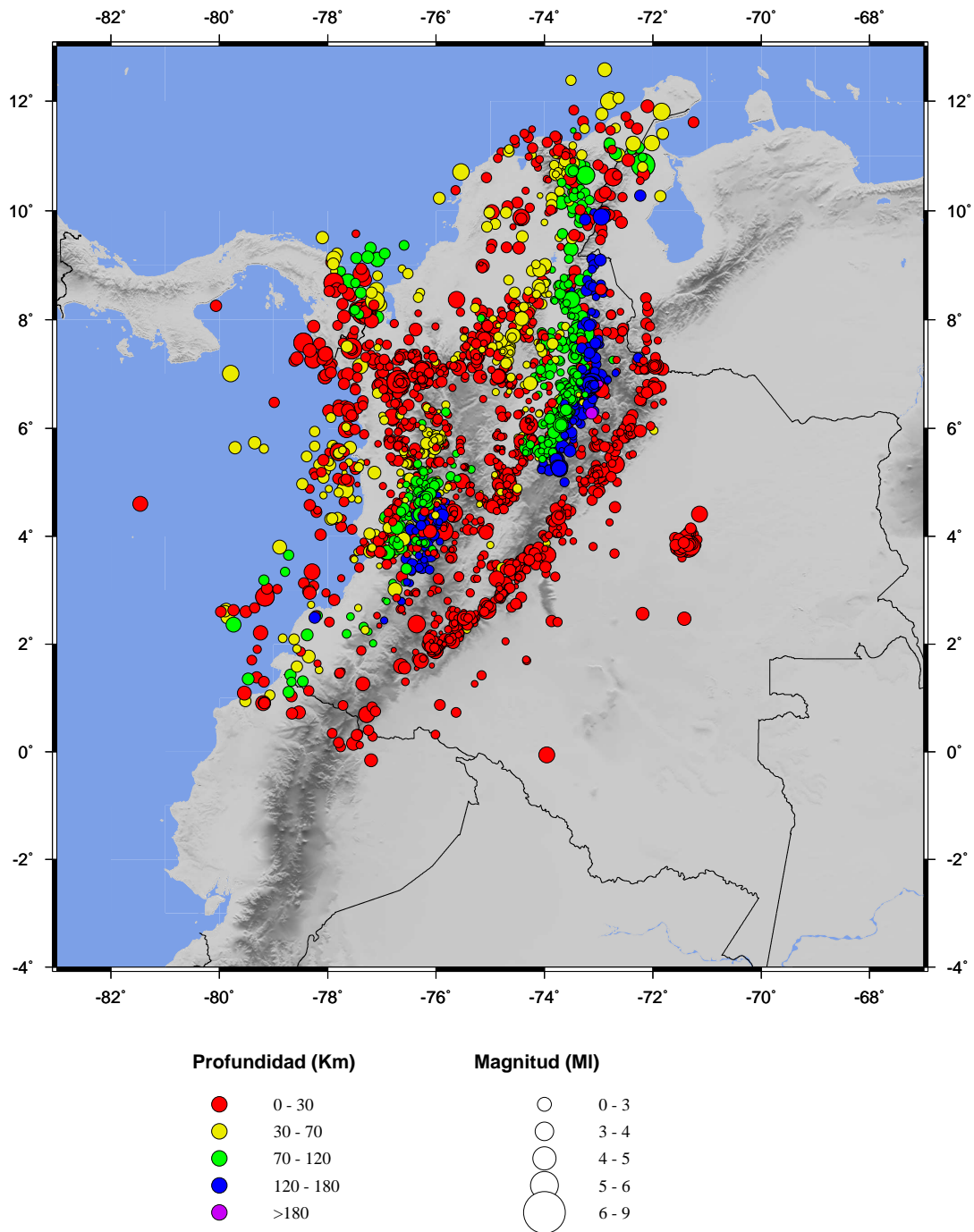


Figura 3: Sismicidad registrada por la RSNC durante julio-diciembre de 2015

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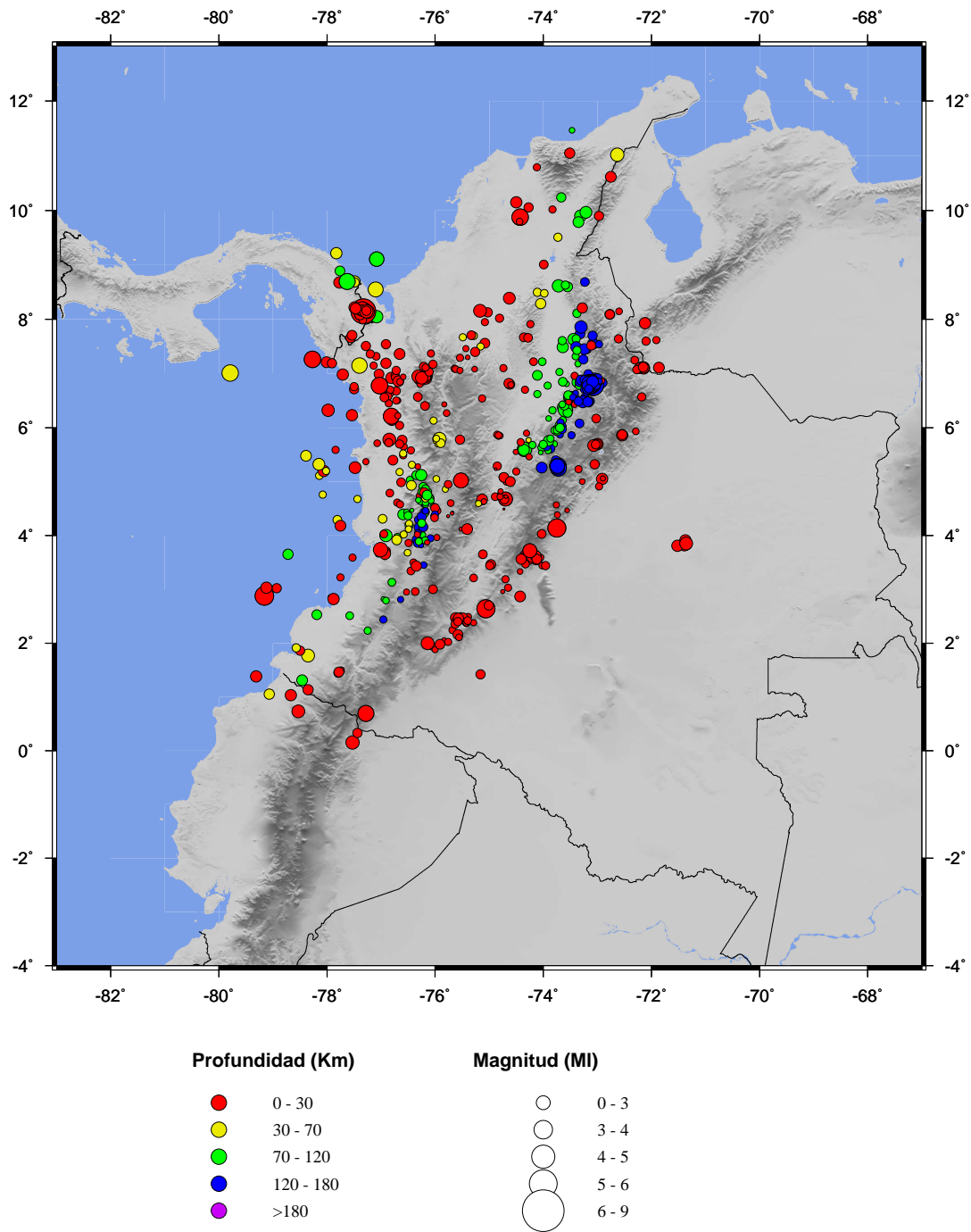


Figura 4: Sismicidad registrada por la RSNC durante julio de 2015

RED SISMOLOGICA NACIONAL DE COLOMBIA

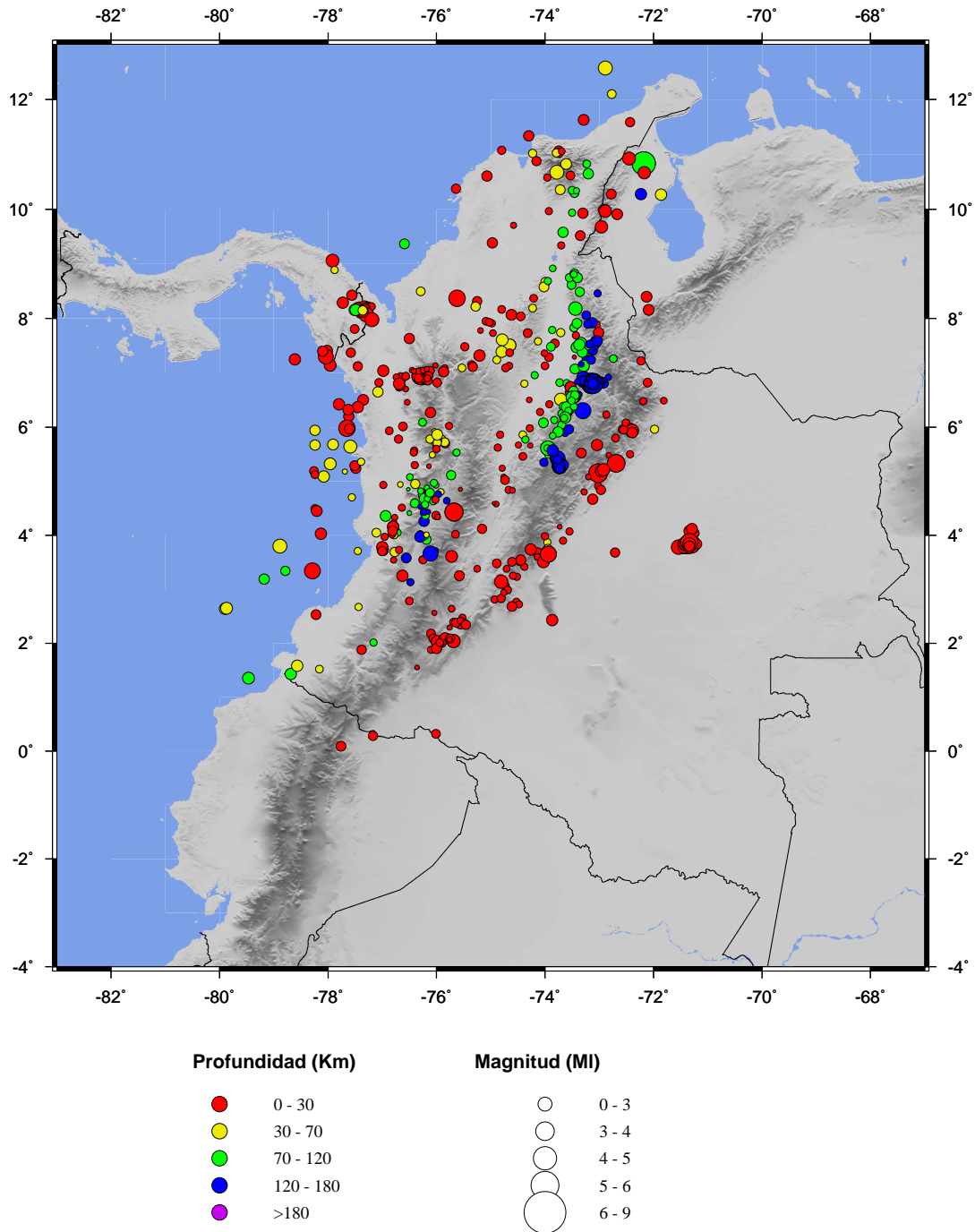


Figura 5: Sismicidad registrada por la RSNC durante agosto de 2015

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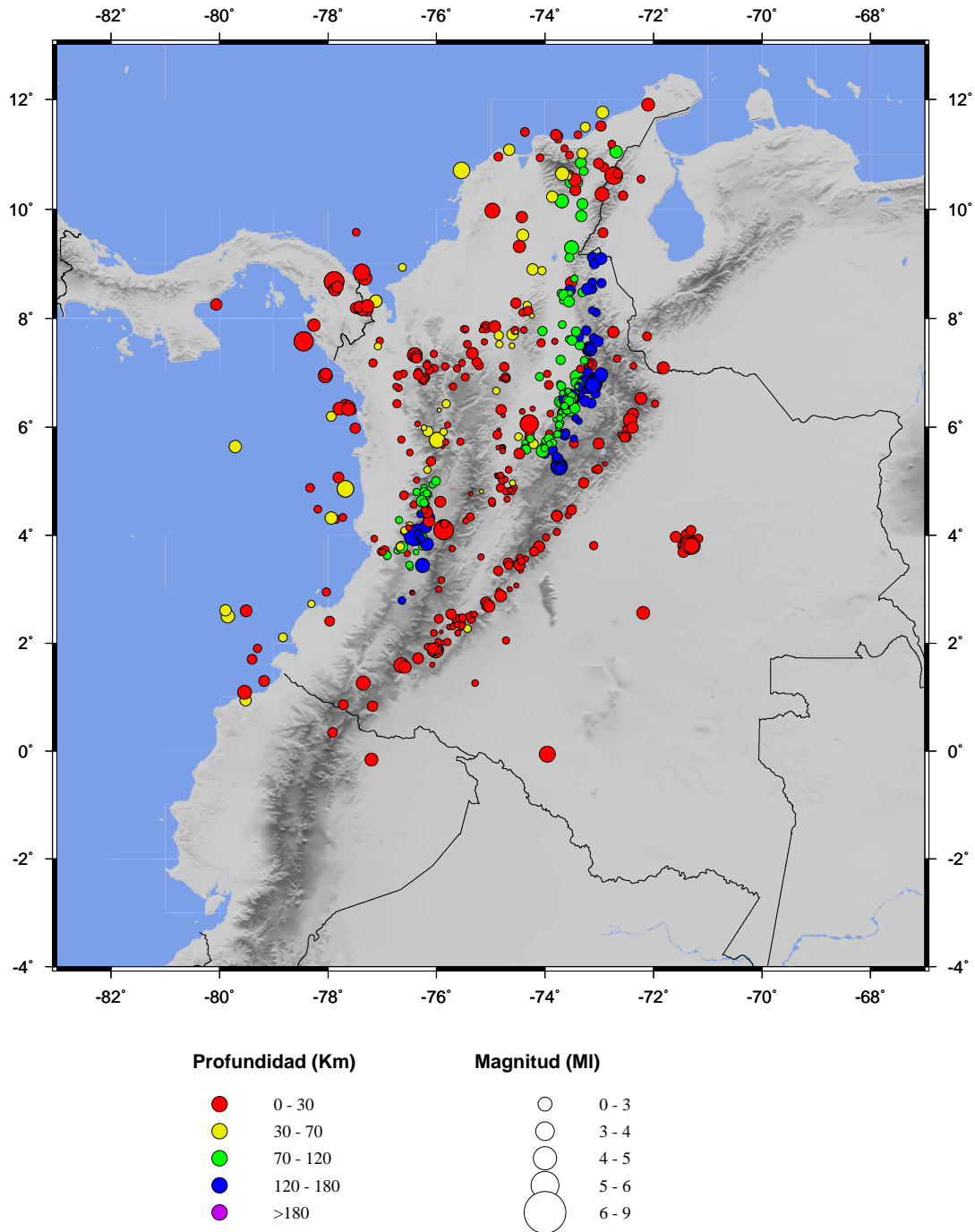


Figura 6: Sismicidad registrada por la RSNC durante septiembre de 2015

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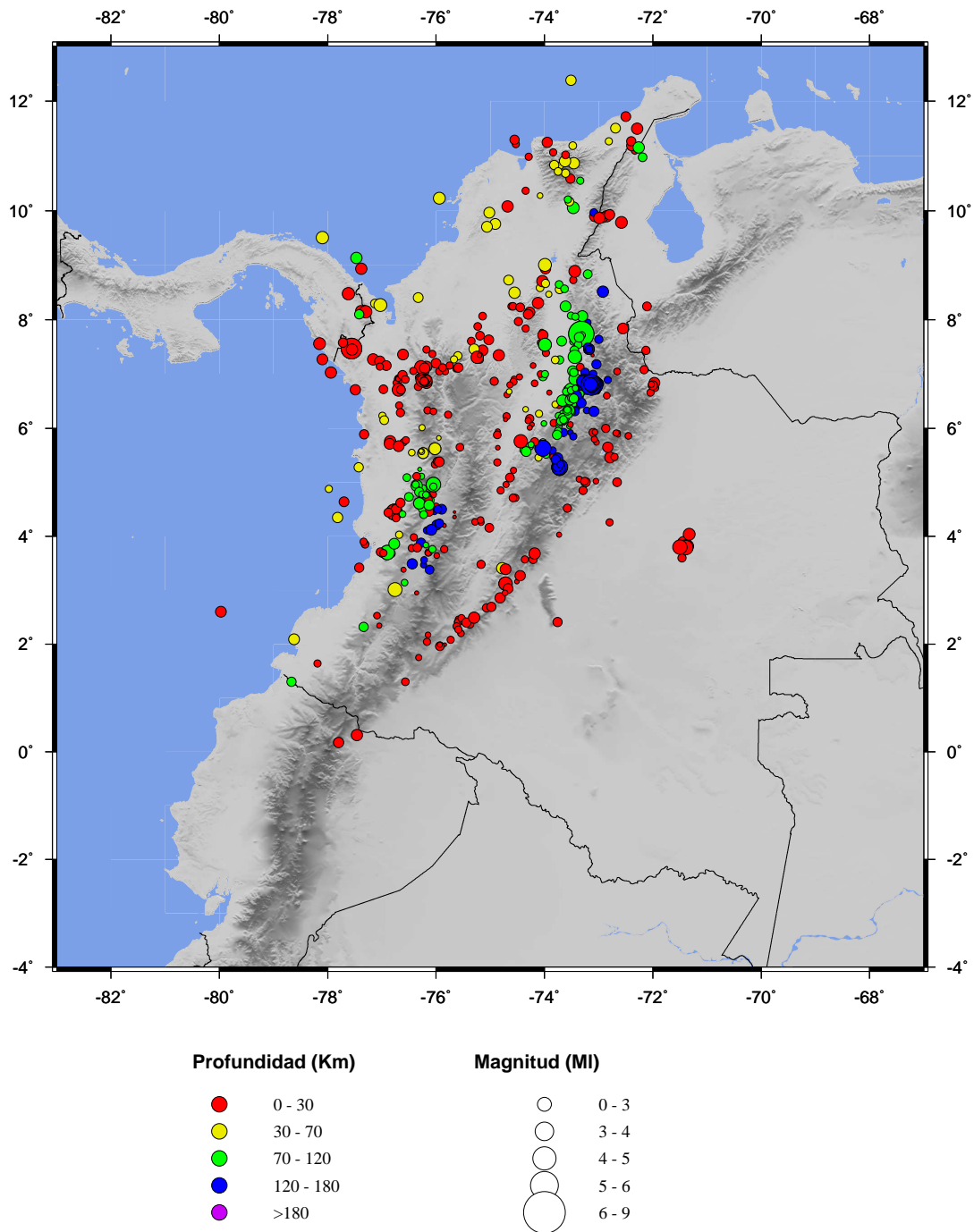


Figura 7: Sismicidad registrada por la RSNC durante octubre de 2015

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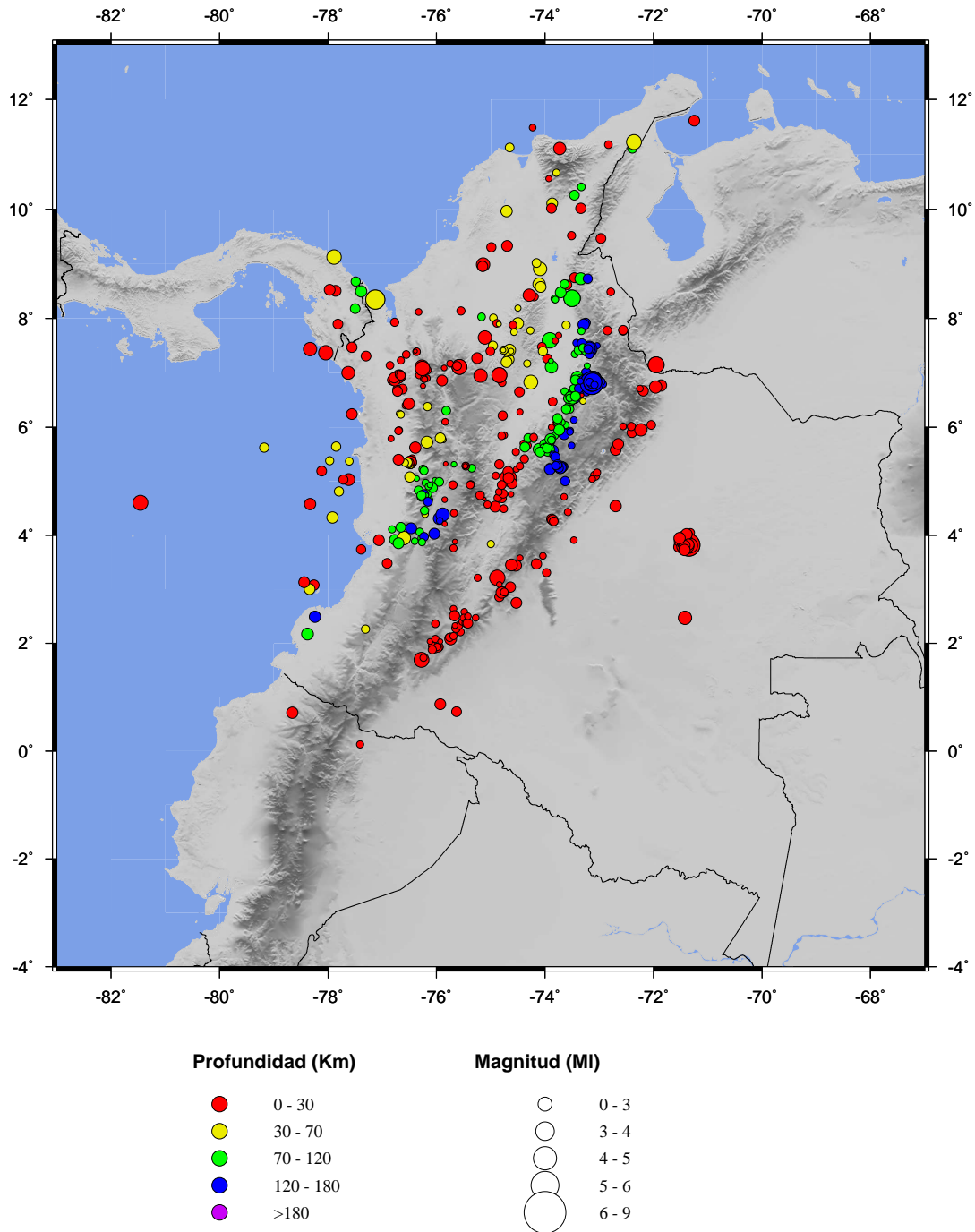


Figura 8: Sismicidad registrada por la RSNC durante noviembre de 2015

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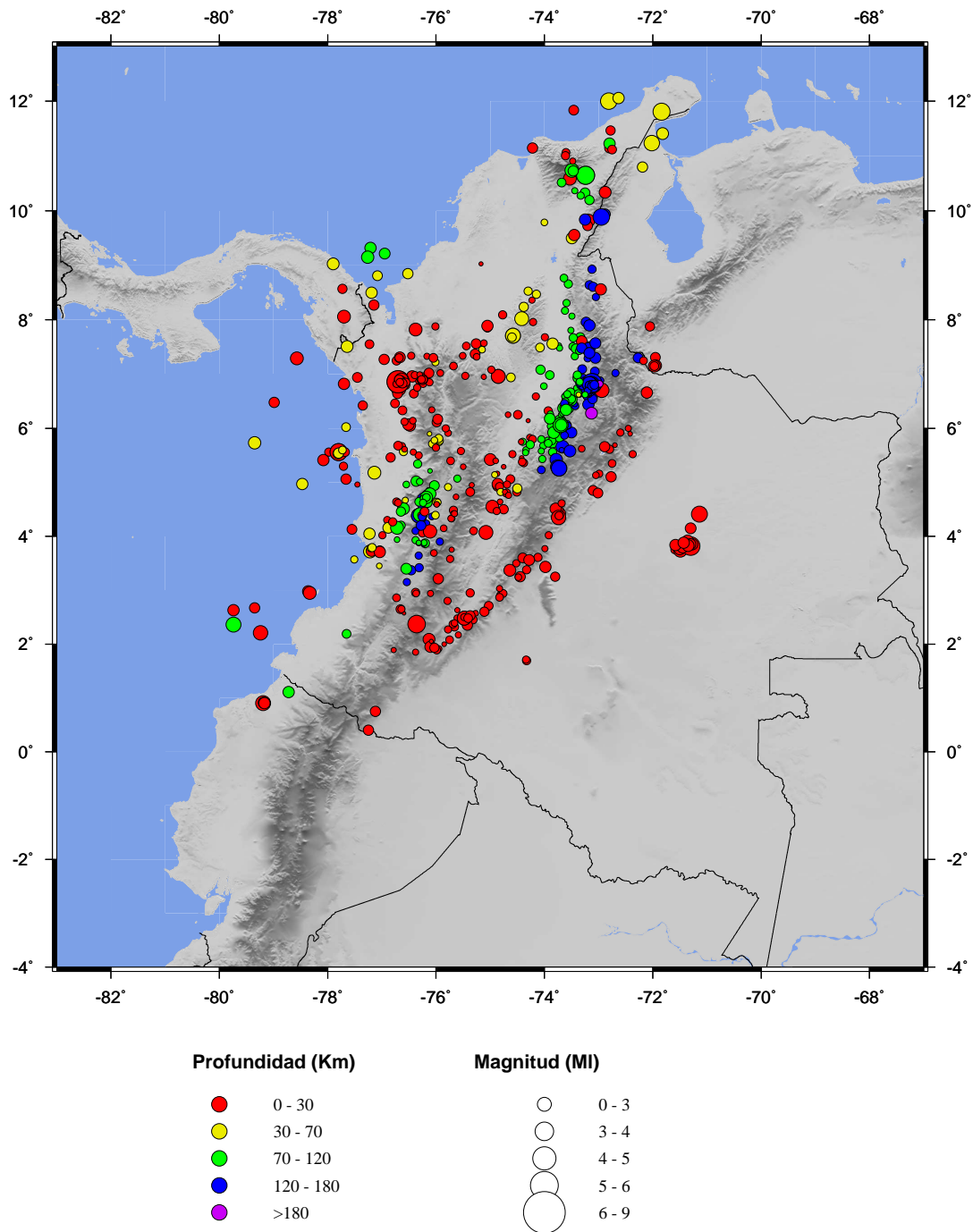


Figura 9: Sismicidad registrada por la RSNC durante diciembre de 2015

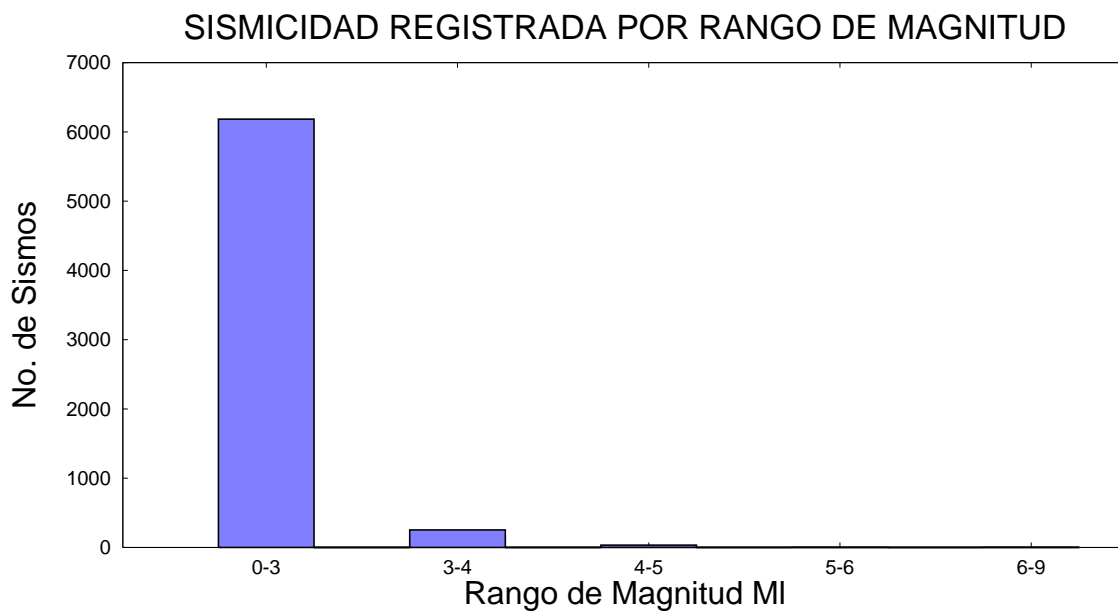


Figura 10: Número de sismos registrados por rango de magnitud, julio-diciembre de 2015

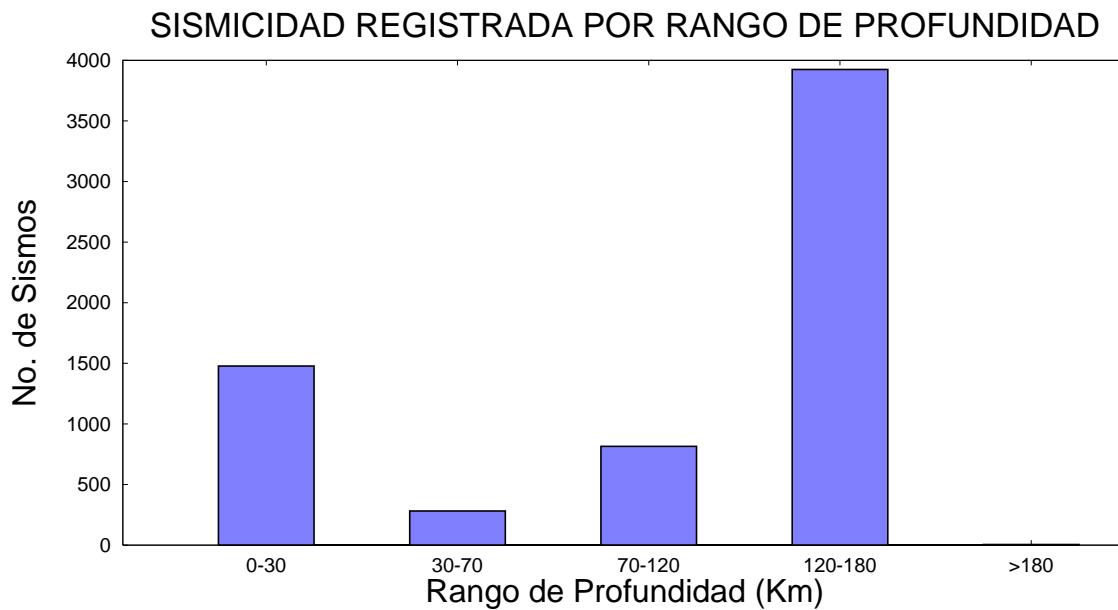


Figura 11: Número de sismos registrados por rango de profundidad, julio-diciembre de 2015

EVENTOS SÍSMICOS LOCALIZADOS DURANTE JULIO-DICIEMBRE DE 2015

Cuadro 2: Listado de eventos localizados durante julio-diciembre de 2015

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Jul 1 2015	00:30:35.2	6.84	-72.99	143	1.8	0.4	214	7	CEPITA (SANTANDER)
2	Jul 1 2015	00:43:39.7	5.65	-76.58	29	1.5	0.2	204	10	QUIBDO (CHOCO)
3	Jul 1 2015	02:52:32.3	3.53	-74.36	Sup	1.5	0.2	202	12	URIBE (META)
4	Jul 1 2015	03:32:34.4	5.65	-73.88	131	1.5	0.2	228	7	BRICENO (BOYACA)
5	Jul 1 2015	03:43:49.3	5.02	-74.66	Sup	1.6	0.5	133	18	GUADUAS (CUNDINAMARCA)
6	Jul 1 2015	04:10:36.5	6.80	-73.10	139	2.6	0.5	187	35	LOS SANTOS (SANTANDER)
7	Jul 1 2015	04:21:24.7	0.15	-77.53	Sup	2.9	0.6	222	33	FRONTERA CON ECUADOR
8	Jul 1 2015	04:27:29.2	6.85	-73.11	154	1.9	0.5	186	14	LOS SANTOS (SANTANDER)
9	Jul 1 2015	04:48:48.9	7.60	-72.10	Sup	1.8	0.3	268	8	FRONTERA CON VENEZUELA
10	Jul 1 2015	04:56: 9.2	6.80	-73.10	138	2.3	0.5	187	18	LOS SANTOS (SANTANDER)
<u>11</u>	<u>Jul 1 2015</u>	<u>05:55:26.4</u>	<u>6.80</u>	<u>-73.13</u>	<u>145</u>	<u>4.5</u>	<u>0.5</u>	<u>72</u>	<u>115</u>	<u>LOS SANTOS (SANTANDER)</u>
12	Jul 1 2015	06:14:45.6	3.56	-74.13	Sup	2.4	0.5	96	26	LEJANIAS (META)
13	Jul 1 2015	06:23:49.2	6.81	-73.13	149	3.7	0.6	86	0	LOS SANTOS (SANTANDER)
14	Jul 1 2015	06:23:49.2	6.81	-73.13	149	3.7	0.6	86	68	LOS SANTOS (SANTANDER)
15	Jul 1 2015	06:54:53.4	6.84	-73.07	143	1.4	0.4	191	8	LOS SANTOS (SANTANDER)
16	Jul 1 2015	09:30:53.7	4.68	-74.70	Sup	3.0	0.5	79	0	PULI (CUNDINAMARCA)
17	Jul 1 2015	09:30:53.7	4.68	-74.70	0	3.0	0.5	79	39	PULI (CUNDINAMARCA)
18	Jul 1 2015	09:54:15.0	6.81	-73.13	148	2.0	0.4	184	17	LOS SANTOS (SANTANDER)
19	Jul 1 2015	09:57:17.6	6.55	-73.51	115	2.0	0.4	76	21	EL CARMEN (SANTANDER)
20	Jul 1 2015	10:22:33.2	3.92	-76.33	143	2.2	0.5	115	21	BUGA (VALLE)
21	Jul 1 2015	12:11:19.8	6.80	-73.11	147	3.1	0.4	227	30	LOS SANTOS (SANTANDER)
22	Jul 1 2015	13:27:21.7	6.84	-73.10	146	2.7	0.4	188	36	LOS SANTOS (SANTANDER)
23	Jul 1 2015	14:25:58.0	4.70	-76.11	94	1.4	0.2	122	10	ARGELIA (VALLE)
24	Jul 1 2015	17:18:34.1	6.84	-73.03	156	2.7	0.4	172	31	LOS SANTOS (SANTANDER)
25	Jul 1 2015	18:21:47.7	6.83	-73.10	143	2.5	0.4	168	29	LOS SANTOS (SANTANDER)
26	Jul 1 2015	21:18: 9.5	6.82	-73.13	139	2.8	0.4	185	39	LOS SANTOS (SANTANDER)
27	Jul 1 2015	22:08:39.7	6.81	-73.14	146	3.1	0.4	183	51	LOS SANTOS (SANTANDER)
28	Jul 1 2015	23:39:52.7	5.29	-73.73	152	3.6	0.4	77	0	LENGUAZAQUE (CUNDINAMARCA)
29	Jul 1 2015	23:39:52.7	5.29	-73.73	152	3.6	0.4	77	50	LENGUAZAQUE (CUNDINAMARCA)
30	Jul 2 2015	03:15:37.3	6.78	-73.19	145	2.0	0.5	178	16	ZAPATOCA (SANTANDER)
31	Jul 2 2015	04:07:53.2	6.17	-73.02	Sup	1.9	0.4	164	20	ENCINO (SANTANDER)
32	Jul 2 2015	06:02:26.6	4.42	-76.59	32	1.3	0.3	231	10	SIPI (CHOCO)
33	Jul 2 2015	06:52:54.8	6.82	-73.11	146	2.3	0.4	168	18	LOS SANTOS (SANTANDER)
34	Jul 2 2015	06:58:24.2	4.67	-75.13	Sup	2.3	0.5	66	29	ANZOATEGUI (TOLIMA)
35	Jul 2 2015	07:17: 3.1	5.05	-72.91	15	2.4	0.5	147	18	PAEZ (BOYACA)
36	Jul 2 2015	09:12:51.5	6.85	-73.32	135	1.7	0.4	151	14	BETULIA (SANTANDER)
37	Jul 2 2015	09:43:19.7	4.43	-75.68	Sup	0.6	0.5	120	10	CORDOBA (QUINDIO)
38	Jul 2 2015	10:44:57.2	4.41	-75.69	Sup	0.8	0.6	116	8	CORDOBA (QUINDIO)
39	Jul 2 2015	10:52:11.2	5.63	-74.03	110	1.7	0.4	89	16	SAN PABLO DE BORBUR (BOYACA)
40	Jul 2 2015	15:56: 7.7	7.93	-72.12	Sup	2.4	0.5	148	11	FRONTERA CON VENEZUELA
41	Jul 2 2015	17:16:40.2	3.46	-74.97	19	2.1	0.5	76	17	ALPUJARRA (TOLIMA)
42	Jul 2 2015	21:09:58.3	5.49	-76.59	26	1.6	0.4	203	16	ATRATO (CHOCO)
43	Jul 2 2015	21:44: 6.2	6.81	-73.12	147	2.0	0.4	138	16	LOS SANTOS (SANTANDER)
44	Jul 2 2015	23:10:37.6	5.52	-76.59	32	1.6	0.3	221	12	ATRATO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
45	Jul 2 2015	23:19:54.1	6.87	-73.16	144	2.0	0.4	131	30	ZAPATOCA (SANTANDER)
46	Jul 2 2015	23:21:52.3	6.81	-73.13	149	2.5	0.4	137	41	LOS SANTOS (SANTANDER)
47	Jul 3 2015	00:59:18.2	6.82	-73.15	143	2.1	0.4	182	27	LOS SANTOS (SANTANDER)
48	Jul 3 2015	02:14:14.3	0.73	-78.53	11	2.8	0.3	142	17	FRONTERA CON ECUADOR
49	Jul 3 2015	02:20:43.0	6.56	-73.53	109	2.2	0.5	61	30	EL CARMEN (SANTANDER)
50	Jul 3 2015	03:08:14.6	6.79	-73.16	142	2.0	0.3	135	19	LOS SANTOS (SANTANDER)
51	Jul 3 2015	03:48:52.1	6.79	-73.16	149	1.9	0.4	181	13	LOS SANTOS (SANTANDER)
52	Jul 3 2015	05:22:54.7	5.86	-73.48	155	1.6	0.4	105	24	TOGUI (BOYACA)
53	Jul 3 2015	05:24: 0.3	6.76	-73.23	144	1.5	0.5	230	14	ZAPATOCA (SANTANDER)
54	Jul 3 2015	06:11:17.5	6.79	-73.16	139	2.0	0.5	135	18	LOS SANTOS (SANTANDER)
55	Jul 3 2015	07:10:38.3	1.93	-76.04	Sup	1.6	0.5	110	21	PITALITO (HUILA)
56	Jul 3 2015	07:18:57.5	7.08	-76.19	13	1.5	0.5	205	11	DABEIBA (ANTIOQUIA)
57	Jul 3 2015	08:16:29.7	7.56	-75.08	29	2.1	0.5	64	25	ZARAGOZA (ANTIOQUIA)
58	Jul 3 2015	08:41:12.8	6.80	-73.13	145	1.8	0.5	184	16	LOS SANTOS (SANTANDER)
59	Jul 3 2015	10:52:34.2	3.44	-74.99	Sup	1.8	0.5	136	20	ALPUJARRA (TOLIMA)
60	Jul 3 2015	11:00: 4.3	6.81	-73.12	143	2.3	0.4	138	28	LOS SANTOS (SANTANDER)
61	Jul 3 2015	13:53: 1.4	4.67	-74.72	11	1.9	0.5	122	18	PULI (CUNDINAMARCA)
62	Jul 3 2015	15:25:53.5	6.75	-73.09	147	3.7	0.5	73	0	LOS SANTOS (SANTANDER)
63	Jul 3 2015	15:25:53.5	6.75	-73.09	147	3.7	0.5	73	66	LOS SANTOS (SANTANDER)
64	Jul 3 2015	19:56:46.3	6.85	-73.14	141	2.0	0.3	202	14	LOS SANTOS (SANTANDER)
65	Jul 3 2015	20:53: 5.0	7.73	-73.32	120	2.1	0.4	172	10	SAN ALBERTO (CESAR)
66	Jul 3 2015	22:30:56.1	5.79	-75.92	47	2.9	0.4	70	45	HISPANIA (ANTIOQUIA)
67	Jul 3 2015	23:26:12.7	4.81	-76.13	110	1.5	0.3	109	14	ARGELIA (VALLE)
68	Jul 3 2015	23:43:59.1	6.79	-73.14	147	2.4	0.3	137	36	LOS SANTOS (SANTANDER)
69	Jul 4 2015	00:39:49.5	6.83	-73.13	141	2.1	0.4	136	26	LOS SANTOS (SANTANDER)
70	Jul 4 2015	02:20: 4.3	5.40	-73.77	134	1.9	0.4	121	21	FUQUENE (CUNDINAMARCA)
71	Jul 4 2015	04:00:22.5	6.80	-73.14	152	2.2	0.4	136	12	LOS SANTOS (SANTANDER)
72	Jul 4 2015	04:37:11.4	5.33	-73.76	159	2.0	0.4	164	13	UBATE (CUNDINAMARCA)
73	Jul 4 2015	04:53:33.6	6.02	-73.66	129	1.9	0.3	168	8	VELEZ (SANTANDER)
74	Jul 4 2015	06:32:48.1	1.77	-78.35	69	2.8	0.3	160	14	ROBERTO PAYAN (NARINO)
75	Jul 4 2015	06:42: 6.3	6.87	-73.27	124	1.8	0.5	110	17	BETULIA (SANTANDER)
76	Jul 4 2015	06:45:47.4	8.13	-75.03	15	2.0	0.4	99	14	AYAPEL (CORDOBA)
77	Jul 4 2015	08:47:27.2	2.00	-76.14	Sup	2.8	0.4	89	24	SALADOBLANCO (HUILA)
78	Jul 4 2015	09:15:39.3	2.38	-75.29	Sup	1.3	0.2	136	8	ALGECIRAS (HUILA)
79	Jul 4 2015	09:29:34.2	7.55	-73.08	153	2.3	0.4	137	20	EL PLAYON (SANTANDER)
80	Jul 4 2015	13:35: 1.7	1.42	-75.16	16	2.0	0.3	227	6	EL PAUJIL (CAQUETA)
81	Jul 4 2015	14:02:11.3	4.60	-75.71	Sup	1.4	0.5	92	11	QUIMBAYA (QUINDIO)
82	Jul 4 2015	16:15: 1.2	7.63	-73.44	113	2.6	0.5	155	26	LA ESPERANZA (N.SANTANDER)
83	Jul 4 2015	18:12:12.8	6.78	-73.09	148	2.7	0.5	124	26	LOS SANTOS (SANTANDER)
84	Jul 4 2015	21:09:59.4	3.60	-74.30	9	3.3	0.4	51	52	LEJANIAS (META)
85	Jul 4 2015	22:26: 3.9	6.83	-73.19	137	2.4	0.4	129	35	ZAPATOCA (SANTANDER)
86	Jul 4 2015	22:39: 4.1	6.79	-73.12	144	2.5	0.4	139	32	LOS SANTOS (SANTANDER)
87	Jul 5 2015	01:05: 0.2	4.19	-76.48	106	1.8	0.4	118	11	TRUJILLO (VALLE)
88	Jul 5 2015	02:42: 6.4	6.86	-73.14	139	2.1	0.5	133	22	LOS SANTOS (SANTANDER)
89	Jul 5 2015	02:53:49.3	4.22	-76.48	60	1.6	0.6	120	18	TRUJILLO (VALLE)
90	Jul 5 2015	03:15:60.0	6.91	-76.27	Sup	3.0	0.6	57	48	DABEIBA (ANTIOQUIA)
91	Jul 5 2015	04:54:56.5	7.67	-74.36	24	1.9	0.5	71	18	SANTA ROSA DEL SUR (BOLIVAR)
92	Jul 5 2015	05:05:54.7	2.51	-77.58	102	1.7	0.5	150	13	TIMBIQUI (CAUCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
93	Jul 5 2015	05:15:30.4	5.11	-78.14	38	1.7	0.3	313	10	O. PACIFICO CENTRO
94	Jul 5 2015	07:19:39.5	6.81	-73.12	141	2.2	0.3	185	20	LOS SANTOS (SANTANDER)
95	Jul 5 2015	07:44: 1.0	6.83	-73.13	138	2.4	0.5	136	31	LOS SANTOS (SANTANDER)
96	Jul 5 2015	08:01:38.7	6.87	-73.10	142	1.9	0.4	188	13	LOS SANTOS (SANTANDER)
97	Jul 5 2015	08:45:27.4	4.12	-75.52	Sup	0.9	0.3	167	8	RONCESVALLES (TOLIMA)
98	Jul 5 2015	08:54:21.4	6.81	-73.11	155	4.2	0.6	72	0	LOS SANTOS (SANTANDER)
99	Jul 5 2015	08:54:21.4	6.81	-73.11	155	4.2	0.6	72	103	LOS SANTOS (SANTANDER)
100	Jul 5 2015	09:29:43.8	6.80	-73.05	149	2.5	0.5	127	36	LOS SANTOS (SANTANDER)
101	Jul 5 2015	11:21:16.1	6.85	-73.11	140	2.0	0.4	138	16	LOS SANTOS (SANTANDER)
102	Jul 5 2015	11:38:22.5	6.92	-73.01	137	1.7	0.2	213	9	PIEDECUESTA (SANTANDER)
103	Jul 5 2015	12:11:24.1	6.84	-73.09	142	2.1	0.5	161	20	LOS SANTOS (SANTANDER)
104	Jul 5 2015	12:51:12.1	6.75	-73.20	130	2.0	0.4	176	21	VILLANUEVA (SANTANDER)
105	Jul 5 2015	14:32:37.3	6.81	-73.11	139	2.1	0.5	139	24	LOS SANTOS (SANTANDER)
106	Jul 5 2015	14:47: 0.7	6.85	-73.12	138	2.0	0.3	185	10	LOS SANTOS (SANTANDER)
107	Jul 5 2015	16:23:22.7	6.83	-73.15	142	2.3	0.4	133	28	LOS SANTOS (SANTANDER)
108	Jul 5 2015	21:20:57.9	6.82	-73.17	136	2.6	0.4	132	38	ZAPATOCA (SANTANDER)
109	Jul 5 2015	21:59: 8.9	2.49	-75.40	22	1.3	0.4	172	14	ALGECIRAS (HUILA)
110	Jul 5 2015	23:21: 2.3	6.78	-73.10	136	1.6	0.3	142	10	LOS SANTOS (SANTANDER)
111	Jul 6 2015	00:28:52.2	6.79	-73.11	141	2.2	0.5	122	35	LOS SANTOS (SANTANDER)
112	Jul 6 2015	01:25:28.2	5.54	-74.05	95	1.0	0.3	174	12	MARIPI (BOYACA)
113	Jul 6 2015	02:03: 8.9	6.79	-73.15	142	2.1	0.4	135	38	LOS SANTOS (SANTANDER)
114	Jul 6 2015	02:05:16.2	6.78	-73.16	135	1.5	0.5	135	22	LOS SANTOS (SANTANDER)
115	Jul 6 2015	02:40:44.0	6.86	-73.17	136	1.6	0.5	130	20	ZAPATOCA (SANTANDER)
116	Jul 6 2015	02:52:39.1	1.38	-79.31	Sup	2.5	0.6	184	24	PACIFICO FRONTERA CON ECUADOR
117	Jul 6 2015	02:59: 4.8	7.30	-75.40	Sup	1.0	0.3	141	7	VALDIVIA (ANTIOQUIA)
118	Jul 6 2015	03:16:32.3	4.75	-76.15	108	1.5	0.5	127	16	ARGELIA (VALLE)
119	Jul 6 2015	04:14: 4.2	6.83	-73.11	137	1.7	0.2	186	13	LOS SANTOS (SANTANDER)
120	Jul 6 2015	04:28:50.8	6.80	-74.62	Sup	2.1	0.6	71	31	VEGACHI (ANTIOQUIA)
121	Jul 6 2015	07:07:22.8	2.47	-75.62	Sup	2.2	0.4	69	30	TESALIA (HUILA)
122	Jul 6 2015	07:12:18.5	6.79	-73.13	147	1.5	0.3	138	11	LOS SANTOS (SANTANDER)
123	Jul 6 2015	07:17:25.3	2.49	-75.39	21	1.4	0.4	93	17	ALGECIRAS (HUILA)
124	Jul 6 2015	07:23:53.2	6.77	-73.18	139	1.1	0.3	174	6	LOS SANTOS (SANTANDER)
125	Jul 6 2015	07:25:32.7	7.45	-73.22	132	1.5	0.3	109	9	EL PLAYON (SANTANDER)
126	Jul 6 2015	07:31:42.3	6.79	-73.13	151	1.4	0.3	138	9	LOS SANTOS (SANTANDER)
127	Jul 6 2015	07:36:15.7	4.73	-76.27	Sup	1.9	0.4	76	26	EL CAIRO (VALLE)
128	Jul 6 2015	08:22:49.7	3.63	-74.19	Sup	3.0	0.5	78	50	LEJANIAS (META)
129	Jul 6 2015	08:35:20.0	6.85	-73.08	154	1.7	0.4	141	13	LOS SANTOS (SANTANDER)
130	Jul 6 2015	09:47: 1.1	6.78	-73.16	137	1.3	0.3	135	8	LOS SANTOS (SANTANDER)
131	Jul 6 2015	10:14:28.3	6.79	-73.07	147	2.3	0.5	125	27	LOS SANTOS (SANTANDER)
132	Jul 6 2015	10:46:15.8	6.82	-73.15	138	2.2	0.6	134	20	LOS SANTOS (SANTANDER)
133	Jul 6 2015	10:50:54.2	6.56	-73.23	139	1.8	0.5	108	14	CABRERA (SANTANDER)
134	Jul 6 2015	11:10:33.2	6.81	-73.12	144	2.3	0.4	138	21	LOS SANTOS (SANTANDER)
135	Jul 6 2015	12:30:31.1	6.97	-74.11	76	2.1	0.4	83	15	YONDO (ANTIOQUIA)
136	Jul 6 2015	14:18: 3.8	6.95	-76.15	Sup	2.2	0.5	136	16	URAMITA (ANTIOQUIA)
137	Jul 6 2015	14:35:21.3	5.70	-73.00	Sup	2.4	0.5	140	24	TIBASOSA (BOYACA)
138	Jul 6 2015	14:39:53.1	3.47	-74.33	Sup	1.7	0.3	246	9	URIBE (META)
139	Jul 6 2015	14:53:12.3	6.88	-73.18	142	1.9	0.5	199	10	BETULIA (SANTANDER)
140	Jul 6 2015	15:33:58.8	5.40	-76.78	Sup	2.1	0.5	187	15	RIO QUITO (CHOCO)
141	Jul 6 2015	16:45:33.0	1.88	-76.00	19	1.3	0.1	161	7	PITALITO (HUILA)
142	Jul 6 2015	17:57:53.4	3.86	-76.32	125	1.9	0.3	262	10	BUGA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
143	Jul 6 2015	18:39:37.6	6.92	-76.81	23	2.5	0.7	106	19	MURINDO (ANTIOQUIA)
144	Jul 6 2015	23:35: 3.1	7.64	-73.39	108	1.8	0.4	107	11	LA ESPERANZA (N.SANTANDER)
145	Jul 7 2015	00:31:25.5	6.79	-73.10	149	1.7	0.2	187	11	LOS SANTOS (SANTANDER)
146	Jul 7 2015	00:36:26.0	6.76	-73.14	140	1.4	0.1	243	6	LOS SANTOS (SANTANDER)
147	Jul 7 2015	02:16:11.3	4.88	-76.19	105	1.5	0.3	143	12	SAN JOSE DEL PALMAR (CHOCO)
148	Jul 7 2015	02:17:54.8	2.96	-74.75	Sup	0.9	0.1	313	7	BARAYA (HUILA)
149	Jul 7 2015	02:21:34.2	9.51	-73.73	36	1.8	0.3	199	10	EL PASO (CESAR)
150	Jul 7 2015	02:23:56.4	6.82	-73.12	140	1.9	0.4	139	16	LOS SANTOS (SANTANDER)
151	Jul 7 2015	03:28: 9.4	6.81	-73.12	141	1.5	0.1	185	7	LOS SANTOS (SANTANDER)
152	Jul 7 2015	04:13: 2.0	4.36	-75.76	Sup	0.7	0.5	106	12	BUENAVIDA (QUINDIO)
153	Jul 7 2015	04:14:33.0	6.04	-76.66	Sup	1.8	0.6	123	24	MEDIO ATRATO (CHOCO)
154	Jul 7 2015	05:41: 8.5	6.91	-76.18	Sup	1.3	0.3	174	10	URAMITA (ANTIOQUIA)
155	Jul 7 2015	06:25:57.3	5.06	-72.90	Sup	1.1	0.3	151	8	CHAMEZA (CASANARE)
156	Jul 7 2015	06:58:53.3	6.91	-76.17	Sup	0.8	0.3	172	10	URAMITA (ANTIOQUIA)
157	Jul 7 2015	07:19:20.1	6.85	-73.08	137	1.5	0.4	190	8	LOS SANTOS (SANTANDER)
158	Jul 7 2015	07:41:25.0	5.37	-77.28	Sup	1.3	0.3	161	8	NUQUI (CHOCO)
159	Jul 7 2015	08:20: 8.1	6.77	-73.11	154	1.8	0.4	167	19	LOS SANTOS (SANTANDER)
160	Jul 7 2015	08:33: 7.2	6.81	-73.13	146	2.3	0.4	137	38	LOS SANTOS (SANTANDER)
161	Jul 7 2015	09:27: 2.2	5.77	-74.27	32	1.1	0.3	156	10	OTANCHE (BOYACA)
162	Jul 7 2015	09:28:48.2	3.22	-77.75	Sup	1.6	0.6	207	9	O. PACIFICO SUR
163	Jul 7 2015	09:47: 6.5	4.02	-76.58	57	1.5	0.6	169	14	CALIMA (VALLE)
164	Jul 7 2015	10:32:45.6	6.82	-74.64	10	2.1	0.5	108	18	VEGACHI (ANTIOQUIA)
165	Jul 7 2015	11:17:36.9	3.21	-75.29	14	1.7	0.4	87	18	AIPE (HUILA)
166	Jul 7 2015	11:28:17.7	6.78	-73.16	138	2.4	0.6	134	22	LOS SANTOS (SANTANDER)
167	Jul 7 2015	13:14:14.2	6.92	-76.18	Sup	1.6	0.1	176	7	URAMITA (ANTIOQUIA)
168	Jul 7 2015	13:48:38.6	6.79	-74.60	Sup	1.3	0.5	212	7	VEGACHI (ANTIOQUIA)
169	Jul 7 2015	13:49:28.6	4.54	-76.03	70	1.4	0.4	116	10	LA VICTORIA (VALLE)
170	Jul 7 2015	15:47:22.0	4.79	-74.80	22	0.9	0.1	237	7	AMBALEMA (TOLIMA)
171	Jul 7 2015	16:49:43.7	4.63	-75.10	Sup	1.2	0.2	190	8	ANZOATEGUI (TOLIMA)
172	Jul 7 2015	17:21: 6.2	6.82	-73.11	140	2.1	0.5	139	16	LOS SANTOS (SANTANDER)
173	Jul 8 2015	00:54:43.4	5.25	-73.72	152	3.4	0.4	57	0	CUCUNUBA (CUNDINAMARCA)
174	Jul 8 2015	00:54:43.4	5.25	-73.72	152	3.4	0.4	57	61	CUCUNUBA (CUNDINAMARCA)
175	Jul 8 2015	02:09:12.9	6.81	-73.09	143	2.8	0.5	123	50	LOS SANTOS (SANTANDER)
176	Jul 8 2015	02:44:21.4	6.82	-73.13	143	1.9	0.4	137	18	LOS SANTOS (SANTANDER)
177	Jul 8 2015	04:56:31.8	6.83	-73.11	144	2.0	0.4	138	27	LOS SANTOS (SANTANDER)
178	Jul 8 2015	05:06:44.6	6.84	-73.13	146	1.6	0.2	184	10	LOS SANTOS (SANTANDER)
179	Jul 8 2015	05:50:52.4	6.82	-73.10	148	1.9	0.4	121	25	LOS SANTOS (SANTANDER)
180	Jul 8 2015	06:03:32.9	6.83	-73.14	138	2.5	0.4	135	42	LOS SANTOS (SANTANDER)
181	Jul 8 2015	06:23:40.0	6.81	-73.11	145	2.1	0.4	140	26	LOS SANTOS (SANTANDER)
182	Jul 8 2015	06:31:27.9	5.58	-76.45	Sup	1.5	0.3	204	18	LORO (CHOCO)
183	Jul 8 2015	06:55: 0.0	3.72	-76.89	Sup	1.4	0.6	212	10	DAGUA (VALLE)
184	Jul 8 2015	07:40: 7.2	3.66	-77.05	84	1.4	0.4	135	16	BUENAVENTURA (VALLE)
185	Jul 8 2015	08:50:47.9	6.79	-73.11	150	1.7	0.3	186	16	LOS SANTOS (SANTANDER)
186	Jul 8 2015	09:01:42.2	4.68	-77.44	59	1.6	0.4	206	10	O. PACIFICO CENTRO
187	Jul 8 2015	09:01:59.3	7.95	-75.08	19	1.5	0.3	165	10	CAUCASIA (ANTIOQUIA)
188	Jul 8 2015	10:52:40.6	8.05	-77.08	82	2.7	0.2	104	17	UNGUIA (CHOCO)
189	Jul 8 2015	11:33:10.5	4.70	-76.10	88	1.8	0.4	120	16	ARGELIA (VALLE)
190	Jul 8 2015	12:27:45.6	8.70	-77.49	40	2.5	0.5	161	15	FRONTERA CON PANAMA
191	Jul 8 2015	12:29:42.5	6.79	-73.15	136	2.3	0.5	135	16	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
192	Jul 8 2015	12:55: 8.7	6.97	-76.74	Sup	1.8	0.3	138	11	MURINDO (ANTIOQUIA)
193	Jul 8 2015	13:00:53.5	4.79	-76.84	20	1.7	0.3	146	11	SIPI (CHOCO)
194	Jul 8 2015	20:18:53.9	5.78	-75.54	Sup	2.0	0.5	86	27	LA PINTADA (ANTIOQUIA)
195	Jul 9 2015	00:12:13.4	6.54	-73.44	116	2.1	0.4	72	26	HATO (SANTANDER)
196	Jul 9 2015	00:24:26.0	6.79	-73.13	147	1.9	0.3	139	22	LOS SANTOS (SANTANDER)
197	Jul 9 2015	00:27:53.8	3.03	-74.65	8	1.5	0.3	156	12	COLOMBIA (HUILA)
198	Jul 9 2015	00:33:19.5	4.00	-76.91	85	2.7	0.3	97	50	BUENAVENTURA (VALLE)
199	Jul 9 2015	01:17:20.7	6.79	-73.17	148	1.6	0.2	133	9	LOS SANTOS (SANTANDER)
200	Jul 9 2015	01:22:43.6	6.93	-76.26	12	2.4	0.4	119	30	DABEIBA (ANTIOQUIA)
201	Jul 9 2015	01:28:42.7	7.17	-76.04	13	1.8	0.3	176	10	PEQUE (ANTIOQUIA)
202	Jul 9 2015	02:43: 3.5	6.92	-76.17	Sup	1.3	0.3	169	11	URAMITA (ANTIOQUIA)
203	Jul 9 2015	02:43:51.9	6.93	-76.25	11	0.8	0.3	220	7	DABEIBA (ANTIOQUIA)
204	Jul 9 2015	02:56: 3.9	6.93	-76.24	10	1.1	0.3	216	8	DABEIBA (ANTIOQUIA)
205	Jul 9 2015	03:23:35.1	8.68	-77.77	20	2.5	0.5	160	16	FRONTERA CON PANAMA
206	Jul 9 2015	04:02:41.6	6.81	-73.09	141	1.8	0.4	188	21	LOS SANTOS (SANTANDER)
207	Jul 9 2015	04:14:27.5	4.58	-76.21	124	1.2	0.2	157	9	VERSALLES (VALLE)
208	Jul 9 2015	04:43:14.8	6.80	-73.09	141	1.8	0.4	188	17	LOS SANTOS (SANTANDER)
209	Jul 9 2015	04:46: 5.5	6.90	-76.18	Sup	2.1	0.4	165	16	URAMITA (ANTIOQUIA)
210	Jul 9 2015	04:48:19.9	6.71	-77.50	Sup	2.0	0.3	157	12	JURADO (CHOCO)
211	Jul 9 2015	04:55:59.6	6.80	-73.11	139	2.1	0.5	141	31	LOS SANTOS (SANTANDER)
212	Jul 9 2015	05:27:13.3	6.80	-73.11	137	1.4	0.3	140	9	LOS SANTOS (SANTANDER)
213	Jul 9 2015	05:44:59.2	6.43	-75.83	Sup	1.1	0.5	161	8	SAN JERONIMO (ANTIOQUIA)
214	Jul 9 2015	05:46:39.3	5.70	-73.80	116	1.4	0.4	100	22	SABOYA (BOYACA)
215	Jul 9 2015	05:47:45.2	4.72	-74.69	Sup	0.8	0.1	244	8	PULI (CUNDINAMARCA)
216	Jul 9 2015	05:49: 3.3	4.37	-76.05	92	0.8	0.4	119	11	ZARZAL (VALLE)
217	Jul 9 2015	06:22:47.2	6.92	-76.20	Sup	1.1	0.4	190	8	URAMITA (ANTIOQUIA)
218	Jul 9 2015	07:03:39.3	2.81	-76.64	120	1.3	0.4	182	9	MORALES (CAUCA)
219	Jul 9 2015	07:49:29.5	7.46	-75.43	6	1.3	0.2	106	10	TARAZA (ANTIOQUIA)
220	Jul 9 2015	07:55: 2.3	5.59	-77.84	Sup	1.5	0.3	233	9	O. PACIFICO NORTE
221	Jul 9 2015	08:59:22.2	3.82	-71.36	Sup	2.1	0.5	264	12	PUERTO GAITAN (META)
222	Jul 9 2015	09:26:45.5	1.45	-77.79	7	2.0	0.6	113	22	LA LLANADA (NARINO)
223	Jul 9 2015	10:39:58.1	4.61	-76.70	21	1.5	0.3	265	10	SIPI (CHOCO)
224	Jul 9 2015	10:51:34.1	5.00	-74.68	15	1.5	0.5	147	12	CHAGUANI (CUNDINAMARCA)
225	Jul 9 2015	13:25:15.6	6.80	-73.16	140	2.1	0.4	135	17	LOS SANTOS (SANTANDER)
226	Jul 9 2015	14:06:36.3	6.79	-73.13	139	2.5	0.4	138	25	LOS SANTOS (SANTANDER)
227	Jul 9 2015	15:04:12.1	4.58	-76.18	119	1.4	0.4	148	12	VERSALLES (VALLE)
228	Jul 9 2015	15:32:58.0	9.90	-73.31	118	2.6	0.3	290	14	AGUSTIN CODAZZI (CESAR)
229	Jul 9 2015	16:12:38.3	5.20	-78.06	20	2.4	0.4	257	20	O. PACIFICO CENTRO
230	Jul 9 2015	19:52: 1.9	6.54	-75.13	13	1.6	0.5	149	9	CISNEROS (ANTIOQUIA)
231	Jul 9 2015	22:36:13.2	6.82	-73.13	142	1.9	0.4	151	10	LOS SANTOS (SANTANDER)
232	Jul 9 2015	23:20: 2.0	6.79	-73.13	147	2.7	0.4	138	36	LOS SANTOS (SANTANDER)
233	Jul 10 2015	02:54:29.8	6.80	-73.14	143	2.2	0.4	183	28	LOS SANTOS (SANTANDER)
234	Jul 10 2015	03:34:38.6	1.49	-77.74	21	1.5	0.3	195	11	LA LLANADA (NARINO)
235	Jul 10 2015	04:25:12.9	3.59	-74.06	Sup	1.5	0.4	135	21	LEJANIAS (META)
236	Jul 10 2015	05:52: 7.9	8.68	-77.49	66	2.0	0.4	167	14	FRONTERA CON PANAMA
237	Jul 10 2015	06:16:52.9	7.29	-75.54	Sup	1.5	0.2	114	10	VALDIVIA (ANTIOQUIA)
238	Jul 10 2015	07:33:14.2	6.66	-76.88	29	2.8	0.6	92	36	VIGIA DEL FUERTE (ANTIOQUIA)
239	Jul 10 2015	07:46: 4.0	5.61	-73.87	123	1.9	0.4	101	28	CHIQUINQUIRA (BOYACA)
240	Jul 10 2015	08:17:40.2	3.82	-76.26	127	1.1	0.2	239	8	BUGA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
241	Jul 10 2015	08:44: 5.4	6.76	-73.14	149	1.4	0.1	182	7	LOS SANTOS (SANTANDER)
242	Jul 10 2015	09:00: 1.5	4.01	-76.23	105	1.3	0.4	105	12	SAN PEDRO (VALLE)
243	Jul 10 2015	09:22:57.3	6.80	-73.11	148	2.8	0.4	122	44	LOS SANTOS (SANTANDER)
244	Jul 10 2015	09:31:39.5	10.24	-73.67	85	2.0	0.3	192	15	PUEBLO BELLO (CESAR)
245	Jul 10 2015	09:54:49.2	6.85	-73.22	127	1.9	0.4	175	13	ZAPATOCA (SANTANDER)
246	Jul 10 2015	10:15:56.9	6.50	-76.69	Sup	1.3	0.2	269	9	VIGIA DEL FUERTE (ANTIOQUIA)
247	Jul 10 2015	10:36:36.2	4.79	-76.22	101	1.5	0.4	143	12	EL CAIRO (VALLE)
248	Jul 10 2015	11:10:31.4	6.80	-73.16	142	2.5	0.3	134	11	LOS SANTOS (SANTANDER)
249	Jul 10 2015	11:17:29.4	5.78	-76.85	Sup	2.8	0.5	162	18	QUIBDO (CHOCO)
250	Jul 10 2015	12:06:55.3	5.05	-75.98	58	1.4	0.3	192	8	SANTUARIO (RISARALDA)
251	Jul 10 2015	12:54:44.2	6.08	-73.33	130	1.9	0.4	197	13	SUAITA (SANTANDER)
252	Jul 10 2015	13:16:11.6	6.82	-73.14	142	2.5	0.5	135	24	LOS SANTOS (SANTANDER)
253	Jul 10 2015	13:19:35.4	2.87	-74.43	Sup	2.3	0.6	110	20	URIBE (META)
254	Jul 10 2015	14:43: 6.1	6.87	-73.06	147	3.3	0.5	123	54	PIEDECUESTA (SANTANDER)
255	Jul 10 2015	14:54:41.7	5.32	-78.15	32	2.6	0.5	206	30	O. PACIFICO CENTRO
256	Jul 10 2015	15:56:37.2	4.03	-74.03	Sup	1.9	0.5	106	19	GUTIERREZ (CUNDINAMARCA)
257	Jul 10 2015	18:21:46.8	2.45	-75.45	23	1.7	0.4	87	10	GIGANTE (HUILA)
258	Jul 10 2015	19:30:16.3	6.55	-73.46	120	2.8	0.5	68	40	EL CARMEN (SANTANDER)
259	Jul 10 2015	20:27: 9.9	6.83	-72.91	170	2.1	0.2	258	9	SAN ANDRES (SANTANDER)
260	Jul 10 2015	20:44:24.1	3.33	-74.43	Sup	1.2	0.1	189	9	URIBE (META)
261	Jul 10 2015	23:29:39.6	3.02	-78.93	Sup	2.0	0.1	280	9	O. PACIFICO SUR
262	Jul 10 2015	23:48:47.1	3.91	-71.37	Sup	2.5	0.5	292	11	PUERTO GAITAN (META)
<u>263</u>	<u>Jul 11 2015</u>	<u>00:53:22.4</u>	<u>7.26</u>	<u>-78.27</u>	<u>6</u>	<u>3.5</u>	<u>0.5</u>	<u>123</u>	<u>0</u>	<u>PACIFICO FRONTERA CON PANAMA</u>
264	Jul 11 2015	00:53:22.4	7.26	-78.27	6	3.5	0.5	123	53	PACIFICO FRONTERA CON PANAMA
265	Jul 11 2015	02:02:37.1	4.29	-77.81	54	1.9	0.4	274	10	O. PACIFICO CENTRO
266	Jul 11 2015	02:51: 3.9	6.92	-76.18	Sup	1.7	0.3	162	16	URAMITA (ANTIOQUIA)
267	Jul 11 2015	03:07:23.8	6.92	-76.18	Sup	1.0	0.2	174	8	URAMITA (ANTIOQUIA)
268	Jul 11 2015	03:13:54.3	6.92	-76.18	Sup	1.8	0.4	161	17	URAMITA (ANTIOQUIA)
269	Jul 11 2015	03:33:46.8	6.76	-73.16	153	1.8	0.4	180	16	LOS SANTOS (SANTANDER)
270	Jul 11 2015	04:40:14.4	7.10	-74.74	19	1.5	0.4	89	19	SEGOVIA (ANTIOQUIA)
271	Jul 11 2015	04:51: 4.9	6.77	-73.17	147	1.8	0.3	180	17	LOS SANTOS (SANTANDER)
272	Jul 11 2015	05:00:40.3	6.45	-73.52	111	1.7	0.4	73	23	SANTA HELENA DEL OPO (SANTANDER)
273	Jul 11 2015	05:22:24.7	6.83	-76.22	Sup	0.9	0.3	197	9	URAMITA (ANTIOQUIA)
274	Jul 11 2015	05:50:24.2	3.40	-76.40	127	1.2	0.3	153	10	CANDELARIA (VALLE)
275	Jul 11 2015	06:03: 4.7	5.18	-76.66	48	1.5	0.2	151	9	ISTMINA (CHOCO)
276	Jul 11 2015	06:08:33.8	8.61	-73.52	90	1.3	0.2	203	8	EL CARMEN (N.SANTANDER)
277	Jul 11 2015	06:09:45.1	6.85	-73.15	131	1.8	0.4	183	21	LOS SANTOS (SANTANDER)
278	Jul 11 2015	06:16:39.1	6.14	-73.64	114	1.5	0.2	161	11	LA PAZ (SANTANDER)
279	Jul 11 2015	06:26:58.9	6.74	-73.14	135	1.7	0.3	200	11	LOS SANTOS (SANTANDER)
280	Jul 11 2015	06:55:29.7	4.29	-76.31	128	1.7	0.3	161	20	TRUJILLO (VALLE)
281	Jul 11 2015	07:11:15.2	6.92	-76.17	Sup	1.2	0.3	171	10	URAMITA (ANTIOQUIA)
282	Jul 11 2015	07:16:24.3	6.80	-73.10	149	2.4	0.5	122	36	LOS SANTOS (SANTANDER)
283	Jul 11 2015	08:09:48.5	7.86	-73.30	124	2.7	0.4	133	41	SAN ALBERTO (CESAR)
284	Jul 11 2015	08:41:27.6	6.76	-77.50	Sup	1.8	0.2	152	7	JURADO (CHOCO)
285	Jul 11 2015	08:50:45.5	6.81	-73.13	143	2.5	0.5	138	36	LOS SANTOS (SANTANDER)
286	Jul 11 2015	08:52:47.1	6.81	-73.09	151	3.1	0.5	73	63	LOS SANTOS (SANTANDER)
287	Jul 11 2015	09:21:15.5	4.39	-76.59	83	2.3	0.4	186	33	SIPI (CHOCO)
288	Jul 11 2015	09:22:45.0	6.50	-76.72	16	1.6	0.4	232	10	VIGIA DEL FUERTE (ANTIOQUIA)
289	Jul 11 2015	09:48:49.7	3.45	-76.21	138	1.4	0.2	177	7	PRADERA (VALLE)
290	Jul 11 2015	09:50:27.7	6.92	-76.18	Sup	1.5	0.2	163	12	URAMITA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
291	Jul 11 2015	10:47:21.9	11.02	-72.63	36	2.9	0.6	157	36	MANAURE BALCON CESAR (CESAR)
292	Jul 11 2015	11:21:25.0	6.38	-73.65	100	2.1	0.6	64	25	SANTA HELENA DEL OPOON (SANTANDER)
293	Jul 11 2015	14:03: 9.1	6.82	-73.07	141	2.2	0.6	223	14	LOS SANTOS (SANTANDER)
294	Jul 11 2015	14:13:15.0	6.77	-73.14	142	1.8	0.2	258	7	LOS SANTOS (SANTANDER)
295	Jul 11 2015	15:13:15.8	4.90	-76.22	105	1.9	0.4	103	17	SAN JOSE DEL PALMAR (CHOCO)
296	Jul 11 2015	16:50:51.0	4.15	-76.29	128	2.2	0.4	166	16	RIOFRIO (VALLE)
297	Jul 11 2015	17:06:29.8	8.62	-73.72	79	2.7	0.5	117	23	LA GLORIA (CESAR)
298	Jul 11 2015	18:21:11.2	6.82	-73.16	144	2.2	0.3	133	12	LOS SANTOS (SANTANDER)
299	Jul 11 2015	18:25:43.2	5.08	-74.73	Sup	2.0	0.5	130	18	HONDA (TOLIMA)
300	Jul 11 2015	19:06:14.4	5.09	-74.75	Sup	1.5	0.2	134	14	HONDA (TOLIMA)
301	Jul 11 2015	19:39:33.5	6.32	-77.98	16	2.7	0.5	139	21	O. PACIFICO NORTE
302	Jul 11 2015	20:16:10.8	5.08	-74.73	7	2.1	0.5	117	26	HONDA (TOLIMA)
303	Jul 11 2015	21:03:14.8	6.82	-73.21	136	1.8	0.3	127	13	ZAPATOCA (SANTANDER)
304	Jul 11 2015	21:14:32.1	6.33	-73.59	111	3.1	0.5	72	43	SANTA HELENA DEL OPOON (SANTANDER)
305	Jul 12 2015	00:23:16.3	6.81	-73.11	142	2.5	0.4	121	33	LOS SANTOS (SANTANDER)
306	Jul 12 2015	02:39:42.5	6.80	-73.13	140	2.0	0.6	138	20	LOS SANTOS (SANTANDER)
307	Jul 12 2015	04:12:41.3	6.83	-73.19	142	2.0	0.5	128	18	ZAPATOCA (SANTANDER)
308	Jul 12 2015	04:41:49.9	9.01	-73.99	27	1.9	0.1	193	8	EL BANCO (MAGDALENA)
309	Jul 12 2015	05:24:12.5	2.50	-75.52	Sup	1.5	0.3	146	7	HOBO (HUILA)
310	Jul 12 2015	06:48: 2.5	6.84	-73.37	114	2.3	0.5	89	38	SAN VICENTE DE CHUCURI (SANTANDER)
311	Jul 12 2015	07:28:39.7	3.34	-76.45	18	1.7	0.5	155	19	CALI (VALLE)
312	Jul 12 2015	08:30:28.6	6.82	-73.19	140	1.9	0.5	130	25	ZAPATOCA (SANTANDER)
313	Jul 12 2015	08:55:31.5	2.38	-75.42	Sup	1.7	0.3	166	8	GIGANTE (HUILA)
314	Jul 12 2015	09:48:19.2	6.83	-73.12	144	2.6	0.5	152	18	LOS SANTOS (SANTANDER)
315	Jul 12 2015	10:41:57.8	6.14	-76.80	14	2.3	0.4	110	31	MEDIO ATRATO (CHOCO)
316	Jul 12 2015	10:46:28.2	6.82	-73.11	145	1.9	0.4	186	15	LOS SANTOS (SANTANDER)
317	Jul 12 2015	14:51:44.1	8.69	-73.23	122	1.9	0.4	203	10	EL TARRA (N.SANTANDER)
318	Jul 12 2015	14:56:20.3	3.44	-74.02	Sup	1.4	0.4	145	9	MESETAS (META)
319	Jul 12 2015	15:12: 8.0	6.05	-73.70	111	1.8	0.3	96	19	VELEZ (SANTANDER)
320	Jul 12 2015	15:37:56.8	6.92	-76.26	11	2.3	0.5	211	19	DABEIBA (ANTIOQUIA)
321	Jul 12 2015	15:48:36.2	6.28	-73.55	118	2.0	0.4	123	15	EL GUACAMAYO (SANTANDER)
322	Jul 12 2015	16:12:44.9	2.42	-75.60	16	2.0	0.4	110	20	GIGANTE (HUILA)
323	Jul 12 2015	16:36:36.8	7.54	-76.91	7	2.0	0.4	129	13	RIOSUCIO (CHOCO)
324	Jul 12 2015	16:44:40.0	4.72	-74.89	25	1.7	0.5	103	20	VENADILLO (TOLIMA)
325	<u>Jul 12 2015</u>	<u>17:39:14.3</u>	<u>9.88</u>	<u>-74.43</u>	<u>17</u>	<u>3.6</u>	<u>0.4</u>	<u>99</u>	<u>0</u>	<u>NUEVA GRANADA (MAGDALENA)</u>
326	Jul 12 2015	17:39:14.3	9.88	-74.43	17	3.6	0.4	99	61	NUEVA GRANADA (MAGDALENA)
327	Jul 12 2015	17:51:37.6	7.32	-77.09	6	1.7	0.3	190	10	RIOSUCIO (CHOCO)
328	Jul 12 2015	20:45:38.6	8.50	-74.11	51	1.8	0.4	108	8	TIQUISIO (BOLIVAR)
329	Jul 12 2015	22:23: 3.6	6.80	-73.11	143	2.1	0.4	140	26	LOS SANTOS (SANTANDER)
330	Jul 12 2015	22:26:37.9	7.21	-78.01	Sup	2.3	0.4	308	8	O. PACIFICO NORTE
331	Jul 13 2015	00:12:20.0	6.80	-73.16	140	2.0	0.6	135	18	LOS SANTOS (SANTANDER)
332	Jul 13 2015	00:33:24.0	7.51	-77.28	Sup	2.0	0.4	239	9	RIOSUCIO (CHOCO)
333	Jul 13 2015	01:02:14.1	5.58	-73.91	119	1.4	0.3	138	7	CALDAS (BOYACA)
334	Jul 13 2015	02:40: 9.0	4.38	-73.74	9	1.3	0.6	146	11	EL CALVARIO (META)
335	Jul 13 2015	02:41:26.8	4.49	-74.73	Sup	0.4	0.1	232	7	GUATAQUI (CUNDINAMARCA)
336	Jul 13 2015	03:18:36.8	7.11	-72.24	Sup	1.5	0.4	258	8	CUBARA (BOYACA)
337	Jul 13 2015	04:05: 2.8	6.53	-73.49	112	2.3	0.4	68	29	EL CARMEN (SANTANDER)
338	Jul 13 2015	04:15:31.6	6.81	-73.13	147	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
339	Jul 13 2015	04:19:32.2	6.77	-73.19	144	1.8	0.1	179	8	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
340	Jul 13 2015	04:19:32.7	6.80	-73.14	142	1.8	0.4	137	19	LOS SANTOS (SANTANDER)
341	Jul 13 2015	04:45:45.5	7.12	-72.16	Sup	2.4	0.6	171	24	CUBARA (BOYACA)
342	Jul 13 2015	04:46:46.4	7.10	-72.22	Sup	2.3	0.5	222	11	CUBARA (BOYACA)
343	Jul 13 2015	05:05:42.5	7.10	-72.14	Sup	2.6	0.6	88	40	CUBARA (BOYACA)
344	Jul 13 2015	05:23: 5.4	6.80	-76.28	10	1.3	0.5	214	10	URAMITA (ANTIOQUIA)
345	Jul 13 2015	06:02:42.8	4.77	-74.82	22	0.7	0.2	234	8	AMBALEMA (TOLIMA)
346	Jul 13 2015	06:02:43.1	6.82	-73.12	145	1.6	0.4	138	17	LOS SANTOS (SANTANDER)
347	Jul 13 2015	06:07:15.3	5.71	-77.07	Sup	1.4	0.4	191	8	NUQUI (CHOCO)
348	Jul 13 2015	06:22: 3.7	6.83	-73.11	143	2.1	0.5	139	34	LOS SANTOS (SANTANDER)
349	Jul 13 2015	06:42:55.0	7.49	-73.64	111	2.4	0.5	76	41	SABANA DE TORRES (SANTANDER)
350	Jul 13 2015	06:48:12.1	7.44	-73.18	129	1.4	0.3	112	8	EL PLAYON (SANTANDER)
351	Jul 13 2015	07:09:17.3	7.03	-73.70	100	1.6	0.3	73	12	BARRANCABERMEJA (SANTANDER)
352	Jul 13 2015	07:32:15.2	7.10	-72.26	Sup	1.2	0.3	257	8	CUBARA (BOYACA)
353	Jul 13 2015	07:32:15.7	7.09	-72.29	Sup	1.1	0.4	255	8	CUBARA (BOYACA)
354	Jul 13 2015	08:00:15.9	6.75	-73.15	147	1.4	0.2	138	9	LOS SANTOS (SANTANDER)
355	Jul 13 2015	08:13: 9.4	6.87	-73.10	146	1.3	0.1	188	8	LOS SANTOS (SANTANDER)
356	Jul 13 2015	08:17:58.3	6.80	-73.11	143	2.6	0.4	91	53	LOS SANTOS (SANTANDER)
357	Jul 13 2015	08:31: 5.1	6.79	-73.15	151	1.2	0.1	182	7	LOS SANTOS (SANTANDER)
358	Jul 13 2015	08:37:26.1	6.80	-73.15	138	1.3	0.1	182	7	LOS SANTOS (SANTANDER)
359	Jul 13 2015	08:51:32.4	7.22	-74.18	10	1.7	0.4	92	12	PUERTO WILCHES (SANTANDER)
360	Jul 13 2015	08:57:43.2	6.82	-73.11	149	2.7	0.4	103	54	LOS SANTOS (SANTANDER)
361	Jul 13 2015	09:24:13.5	6.83	-73.06	144	1.4	0.1	208	8	LOS SANTOS (SANTANDER)
362	Jul 13 2015	09:24:42.3	4.75	-76.20	105	1.0	0.2	143	8	EL CAIRO (VALLE)
363	Jul 13 2015	10:35: 6.9	7.11	-72.14	Sup	2.5	0.6	132	38	CUBARA (BOYACA)
364	Jul 13 2015	11:32:53.5	7.09	-75.64	Sup	1.6	0.6	107	10	BRICENO (ANTIOQUIA)
365	Jul 13 2015	12:10: 0.5	7.08	-75.62	Sup	1.4	0.4	104	10	BRICENO (ANTIOQUIA)
366	Jul 13 2015	13:46:21.2	3.82	-71.39	Sup	2.5	0.6	263	17	PUERTO GAITAN (META)
367	Jul 13 2015	13:51:19.5	4.64	-76.27	110	1.6	0.5	120	15	VERSALLES (VALLE)
368	Jul 13 2015	14:03:48.8	7.18	-73.36	99	1.3	0.3	101	9	LEBRIJA (SANTANDER)
369	Jul 13 2015	14:53:23.1	6.77	-73.17	142	2.2	0.4	134	28	LOS SANTOS (SANTANDER)
370	Jul 13 2015	16:47:44.0	11.05	-73.51	7	2.2	0.4	275	10	PUEBLO BELLO (CESAR)
371	Jul 13 2015	17:28:42.8	7.07	-72.27	Sup	1.8	0.5	256	12	CUBARA (BOYACA)
372	Jul 13 2015	18:15:38.3	6.32	-73.83	77	1.6	0.2	115	9	LANDAZURI (SANTANDER)
373	Jul 13 2015	18:16: 1.7	6.50	-73.39	58	1.4	0.4	189	6	SIMACOTA (SANTANDER)
374	Jul 13 2015	18:26:42.2	4.46	-75.96	26	1.6	0.4	105	16	LA VICTORIA (VALLE)
375	Jul 13 2015	18:33:47.0	3.86	-76.49	12	1.5	0.5	185	14	RESTREPO (VALLE)
376	Jul 13 2015	20:13:56.5	6.84	-73.12	149	2.6	0.6	153	35	LOS SANTOS (SANTANDER)
377	Jul 13 2015	22:39:34.0	8.60	-73.55	90	2.1	0.6	141	11	EL CARMEN (N.SANTANDER)
378	Jul 13 2015	22:46:19.6	6.82	-73.13	142	3.1	0.5	119	39	LOS SANTOS (SANTANDER)
379	Jul 14 2015	00:22:18.6	6.80	-73.12	147	2.2	0.4	121	32	LOS SANTOS (SANTANDER)
380	Jul 14 2015	01:28:49.2	6.74	-73.17	139	1.5	0.4	179	7	LOS SANTOS (SANTANDER)
381	Jul 14 2015	02:28: 1.5	6.83	-73.09	146	1.9	0.4	205	18	LOS SANTOS (SANTANDER)
382	Jul 14 2015	02:30:36.8	6.82	-73.12	144	1.9	0.3	139	19	LOS SANTOS (SANTANDER)
383	Jul 14 2015	02:30:37.8	6.76	-73.13	137	1.9	0.3	140	18	LOS SANTOS (SANTANDER)
384	Jul 14 2015	03:21: 8.2	4.57	-73.76	Sup	1.3	0.5	206	9	SAN JUANITO (META)
385	Jul 14 2015	03:22:58.7	4.47	-73.56	Sup	1.0	0.2	221	8	SAN JUANITO (META)
386	Jul 14 2015	03:50:30.4	6.84	-73.15	136	1.7	0.5	134	15	LOS SANTOS (SANTANDER)
387	Jul 14 2015	04:15:48.4	7.37	-76.08	Sup	1.6	0.4	216	9	ITUANGO (ANTIOQUIA)
388	Jul 14 2015	04:51:25.5	5.87	-73.69	123	1.4	0.4	121	14	PUENTE NACIONAL (SANTANDER)
389	Jul 14 2015	05:07:19.1	6.82	-73.08	142	1.5	0.2	189	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
390	Jul 14 2015	05:45:59.8	6.79	-73.12	151	3.7	0.4	72	77	LOS SANTOS (SANTANDER)
391	Jul 14 2015	06:45:14.4	6.81	-73.13	145	2.3	0.4	137	38	LOS SANTOS (SANTANDER)
392	Jul 14 2015	06:56: 3.7	5.25	-73.75	145	1.7	0.4	85	24	CUCUNUBA (CUNDINAMARCA)
393	Jul 14 2015	07:33:26.9	6.76	-73.18	134	1.3	0.4	178	7	LOS SANTOS (SANTANDER)
394	Jul 14 2015	07:39:17.8	6.76	-73.10	146	1.4	0.3	143	12	LOS SANTOS (SANTANDER)
395	Jul 14 2015	08:34:29.8	6.77	-73.12	147	1.4	0.4	185	12	LOS SANTOS (SANTANDER)
396	Jul 14 2015	08:56: 5.4	6.81	-73.08	144	1.6	0.4	144	13	LOS SANTOS (SANTANDER)
397	Jul 14 2015	09:29:40.3	6.80	-73.10	151	1.6	0.3	142	13	LOS SANTOS (SANTANDER)
398	Jul 14 2015	09:43:19.2	5.26	-74.03	123	2.3	0.4	65	40	SAN CAYETANO (CUNDINAMARCA)
399	Jul 14 2015	09:52:47.9	2.46	-75.49	Sup	2.3	0.4	139	27	GIGANTE (HUILA)
400	Jul 14 2015	09:54:27.5	6.82	-73.11	146	1.9	0.5	140	20	LOS SANTOS (SANTANDER)
401	Jul 14 2015	12:08:17.2	6.79	-73.10	154	1.8	0.5	160	16	LOS SANTOS (SANTANDER)
402	Jul 14 2015	14:01: 2.0	4.87	-76.18	94	1.7	0.4	136	19	SAN JOSE DEL PALMAR (CHOCO)
403	Jul 14 2015	17:00:38.1	6.86	-73.16	139	1.6	0.5	132	10	ZAPATOCA (SANTANDER)
404	Jul 14 2015	17:07:50.0	6.81	-73.25	135	2.1	0.4	114	23	ZAPATOCA (SANTANDER)
405	Jul 14 2015	18:30:44.9	4.12	-76.49	64	1.4	0.3	130	14	CALIMA (VALLE)
406	Jul 14 2015	19:36:35.8	6.77	-73.12	138	1.8	0.6	140	10	LOS SANTOS (SANTANDER)
407	Jul 14 2015	19:59:32.8	6.83	-73.15	136	2.0	0.4	133	14	LOS SANTOS (SANTANDER)
408	Jul 14 2015	21:12:45.4	4.18	-77.75	24	2.3	0.3	237	25	O. PACIFICO CENTRO
409	Jul 14 2015	21:25:54.0	5.29	-74.85	13	1.8	0.4	121	16	VICTORIA (CALDAS)
410	Jul 14 2015	21:29: 9.0	7.11	-71.86	Sup	2.3	0.3	184	16	FRONTERA CON VENEZUELA
411	Jul 14 2015	21:57:28.0	5.84	-74.83	Sup	1.3	0.5	99	11	PUERTO TRIUNFO (ANTIOQUIA)
412	Jul 14 2015	22:10:58.6	3.65	-78.72	104	2.2	0.3	297	13	O. PACIFICO SUR
413	Jul 14 2015	22:19:20.7	7.12	-72.15	Sup	2.1	0.6	164	16	CUBARA (BOYACA)
414	Jul 14 2015	23:06:13.6	6.82	-73.16	143	2.6	0.5	133	22	LOS SANTOS (SANTANDER)
415	Jul 14 2015	23:26:57.5	6.79	-73.08	153	4.6	0.5	104	0	LOS SANTOS (SANTANDER)
<u>416</u>	<u>Jul 14 2015</u>	<u>23:26:57.5</u>	<u>6.79</u>	<u>-73.08</u>	<u>153</u>	<u>4.6</u>	<u>0.5</u>	<u>104</u>	<u>124</u>	<u>LOS SANTOS (SANTANDER)</u>
417	Jul 15 2015	00:53:14.7	4.68	-76.10	92	1.9	0.3	80	21	ARGELIA (VALLE)
418	Jul 15 2015	01:55:30.8	8.39	-74.63	27	2.6	0.5	74	34	GUARANDA (SUCRE)
419	Jul 15 2015	02:03:21.3	7.66	-74.28	25	1.9	0.5	50	24	SANTA ROSA DEL SUR (BOLIVAR)
420	Jul 15 2015	03:06:52.5	2.70	-75.06	Sup	2.2	0.5	105	32	RIVERA (HUILA)
421	Jul 15 2015	03:40:27.6	7.08	-75.27	18	1.2	0.2	151	8	CAMPAMENTO (ANTIOQUIA)
422	Jul 15 2015	03:46:23.5	2.24	-75.68	Sup	1.6	0.4	157	12	GARZON (HUILA)
423	Jul 15 2015	04:29:31.0	6.81	-73.13	148	3.1	0.5	72	0	LOS SANTOS (SANTANDER)
424	Jul 15 2015	04:29:31.0	6.81	-73.13	148	3.1	0.5	72	74	LOS SANTOS (SANTANDER)
425	Jul 15 2015	04:34:23.2	5.20	-78.02	39	1.5	0.3	310	8	O. PACIFICO CENTRO
426	Jul 15 2015	05:35:19.0	6.80	-73.18	146	1.5	0.3	179	8	ZAPATOCA (SANTANDER)
427	Jul 15 2015	07:08:29.5	9.11	-77.08	72	3.1	0.5	143	0	MAR CARIBE
428	Jul 15 2015	07:08:29.5	9.11	-77.08	72	3.1	0.5	143	53	MAR CARIBE
429	Jul 15 2015	07:24:21.3	8.09	-72.77	Sup	2.1	0.5	236	12	SARDINATA (N.SANTANDER)
430	Jul 15 2015	07:26: 5.4	8.09	-72.77	Sup	2.0	0.5	235	11	SARDINATA (N.SANTANDER)
431	Jul 15 2015	10:33: 0.2	6.99	-73.17	132	1.9	0.4	182	15	GIRON (SANTANDER)
432	Jul 15 2015	12:15:13.2	1.13	-78.35	27	2.2	0.5	73	26	FRONTERA CON ECUADOR
433	Jul 15 2015	12:46:19.3	6.86	-73.11	144	1.7	0.1	204	7	LOS SANTOS (SANTANDER)
434	Jul 15 2015	13:24:14.0	6.82	-73.11	146	1.7	0.4	203	11	LOS SANTOS (SANTANDER)
435	Jul 15 2015	15:23:55.7	3.50	-76.40	14	1.5	0.3	156	16	CANDELARIA (VALLE)
436	Jul 15 2015	20:34:23.3	6.58	-76.88	25	1.9	0.3	116	13	VIGIA DEL FUERTE (ANTIOQUIA)
437	Jul 16 2015	00:20:58.0	6.82	-73.14	131	2.1	0.4	183	31	LOS SANTOS (SANTANDER)
438	Jul 16 2015	01:03: 1.1	6.90	-73.09	135	1.7	0.3	204	10	PIEDRECUESTA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
439	Jul 16 2015	01:04:56.3	6.76	-73.14	141	2.2	0.5	121	38	LOS SANTOS (SANTANDER)
440	Jul 16 2015	01:19: 0.8	6.80	-73.14	134	1.9	0.4	136	24	LOS SANTOS (SANTANDER)
441	Jul 16 2015	02:15: 4.9	6.99	-76.13	Sup	1.7	0.5	114	12	URAMITA (ANTIOQUIA)
442	Jul 16 2015	02:15:39.7	6.77	-73.13	139	1.9	0.5	140	13	LOS SANTOS (SANTANDER)
443	Jul 16 2015	03:05: 5.7	6.81	-73.16	130	2.1	0.6	133	32	LOS SANTOS (SANTANDER)
444	Jul 16 2015	07:29:46.2	2.04	-75.83	Sup	1.3	0.4	155	12	ALTAMIRA (HUILA)
445	Jul 16 2015	07:32:41.9	8.63	-73.59	90	1.8	0.2	196	16	PELAYA (CESAR)
446	Jul 16 2015	09:18:10.7	8.02	-74.81	18	1.8	0.5	92	16	NECHI (ANTIOQUIA)
447	Jul 16 2015	10:43:55.1	6.82	-73.14	144	1.8	0.3	183	13	LOS SANTOS (SANTANDER)
448	Jul 16 2015	11:43:52.1	6.87	-72.92	Sup	1.3	0.4	164	7	GUACA (SANTANDER)
449	Jul 16 2015	11:51:40.9	6.80	-73.15	147	1.5	0.3	149	7	LOS SANTOS (SANTANDER)
450	Jul 16 2015	12:17:15.2	6.80	-73.12	133	1.8	0.4	157	9	LOS SANTOS (SANTANDER)
451	Jul 16 2015	12:55:52.6	6.23	-77.54	18	2.5	0.3	241	9	O. PACIFICO NORTE
452	Jul 16 2015	16:00:34.7	9.80	-74.44	9	1.4	0.2	157	7	NUEVA GRANADA (MAGDALENA)
453	Jul 16 2015	17:48:11.1	3.62	-74.14	9	2.3	0.2	181	12	LEJANIAS (META)
454	Jul 16 2015	19:05:38.8	5.25	-73.74	150	2.5	0.5	77	37	CUCUNUBA (CUNDINAMARCA)
455	Jul 16 2015	21:11:59.4	5.69	-73.01	Sup	2.2	0.6	139	23	FIRAVITOA (BOYACA)
456	Jul 16 2015	21:25:27.0	4.76	-76.16	118	1.7	0.4	127	12	EL CAIRO (VALLE)
457	Jul 17 2015	01:38:17.7	6.77	-73.12	140	2.1	0.4	141	26	LOS SANTOS (SANTANDER)
458	Jul 17 2015	03:32: 4.5	6.21	-76.81	Sup	3.4	0.7	68	0	MEDIO ATRATO (CHOCO)
<u>459</u>	<u>Jul 17 2015</u>	<u>03:32: 4.5</u>	<u>6.21</u>	<u>-76.81</u>	<u>0</u>	<u>3.4</u>	<u>0.7</u>	<u>68</u>	<u>76</u>	<u>MEDIO ATRATO (CHOCO)</u>
460	Jul 17 2015	05:15:53.4	2.16	-75.58	11	2.1	0.6	104	22	GARZON (HUILA)
461	Jul 17 2015	07:26:19.4	7.15	-77.14	22	1.6	0.5	172	12	RIOSUCIO (CHOCO)
462	Jul 17 2015	07:49:36.2	7.42	-73.20	128	1.3	0.1	108	8	EL PLAYON (SANTANDER)
463	Jul 17 2015	08:16: 6.0	6.79	-73.15	142	1.8	0.3	135	18	LOS SANTOS (SANTANDER)
464	Jul 17 2015	08:18:35.6	6.80	-73.13	149	1.8	0.3	137	18	LOS SANTOS (SANTANDER)
465	Jul 17 2015	08:49:29.2	6.83	-73.11	140	1.7	0.4	139	18	LOS SANTOS (SANTANDER)
466	Jul 17 2015	09:41:14.3	6.80	-73.14	149	2.3	0.4	137	40	LOS SANTOS (SANTANDER)
467	Jul 17 2015	10:07: 4.4	6.80	-73.11	147	1.5	0.3	141	10	LOS SANTOS (SANTANDER)
468	Jul 17 2015	12:48:21.5	1.03	-78.67	23	2.5	0.6	97	14	FRONTERA CON ECUADOR
469	Jul 17 2015	13:46: 5.6	5.24	-73.73	146	2.7	0.4	78	38	CUCUNUBA (CUNDINAMARCA)
470	Jul 17 2015	21:06: 4.6	3.56	-74.12	26	2.1	0.2	149	11	LEJANIAS (META)
<u>471</u>	<u>Jul 17 2015</u>	<u>22:31: 7.4</u>	<u>7.01</u>	<u>-79.79</u>	<u>32</u>	<u>3.6</u>	<u>0.7</u>	<u>117</u>	<u>43</u>	<u>O. PACIFICO NORTE</u>
472	Jul 17 2015	23:33: 8.3	5.95	-73.75	112	2.2	0.4	84	24	BOLIVAR (SANTANDER)
473	Jul 18 2015	00:11:15.9	4.59	-75.20	31	1.3	0.2	198	8	ANZOATEGUI (TOLIMA)
474	Jul 18 2015	01:58:36.5	4.70	-76.18	99	1.7	0.3	141	12	ARGELIA (VALLE)
475	Jul 18 2015	04:22:13.9	5.26	-73.69	142	1.9	0.4	80	15	LENGUAZAQUE (CUNDINAMARCA)
476	Jul 18 2015	04:33:23.7	2.35	-75.63	19	1.8	0.3	127	8	GIGANTE (HUILA)
477	Jul 18 2015	08:29:40.2	6.91	-76.17	Sup	2.4	0.5	159	24	URAMITA (ANTIOQUIA)
478	Jul 18 2015	08:30:35.6	6.91	-76.16	Sup	1.8	0.5	154	16	URAMITA (ANTIOQUIA)
479	Jul 18 2015	08:41:26.9	6.81	-73.16	138	1.6	0.4	134	15	LOS SANTOS (SANTANDER)
480	Jul 18 2015	08:48:13.0	6.86	-73.32	114	1.4	0.3	153	7	BETULIA (SANTANDER)
481	Jul 18 2015	09:11:43.0	6.45	-76.86	15	1.6	0.5	250	12	BOJAYA (CHOCO)
482	Jul 18 2015	09:36:23.6	6.81	-73.57	112	1.2	0.1	146	7	EL CARMEN (SANTANDER)
483	Jul 18 2015	09:52:19.5	4.42	-76.20	Sup	1.3	0.4	154	10	ROLDANILLO (VALLE)
484	Jul 18 2015	11:02: 0.9	6.77	-73.16	146	1.5	0.1	135	9	LOS SANTOS (SANTANDER)
485	Jul 18 2015	12:22:18.1	6.80	-73.13	142	1.8	0.4	137	13	LOS SANTOS (SANTANDER)
486	Jul 18 2015	12:34:43.0	6.82	-73.15	141	3.8	0.4	125	0	LOS SANTOS (SANTANDER)
<u>487</u>	<u>Jul 18 2015</u>	<u>12:34:43.0</u>	<u>6.82</u>	<u>-73.15</u>	<u>141</u>	<u>3.8</u>	<u>0.4</u>	<u>125</u>	<u>79</u>	<u>LOS SANTOS (SANTANDER)</u>

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
488	Jul 18 2015	12:56:38.8	6.57	-76.32	Sup	1.9	0.4	195	13	ABRIAQUI (ANTIOQUIA)
489	Jul 18 2015	13:54: 6.4	6.93	-76.74	Sup	1.7	0.4	160	10	MURINDO (ANTIOQUIA)
490	Jul 18 2015	15:21:50.9	6.83	-73.09	147	2.1	0.4	122	23	LOS SANTOS (SANTANDER)
491	Jul 18 2015	16:06:57.6	6.82	-73.15	144	2.9	0.4	134	40	LOS SANTOS (SANTANDER)
492	Jul 18 2015	18:46:30.0	6.10	-73.68	120	1.6	0.4	133	9	CHIPATA (SANTANDER)
493	Jul 18 2015	18:51:12.9	5.25	-73.74	146	2.0	0.4	100	21	CUCUNUBA (CUNDINAMARCA)
494	Jul 18 2015	19:50:51.9	7.70	-73.09	147	2.0	0.3	157	10	CACHIRA (N.SANTANDER)
495	Jul 18 2015	20:31:50.1	6.81	-73.12	139	2.3	0.5	139	30	LOS SANTOS (SANTANDER)
496	Jul 18 2015	22:19:40.1	4.51	-76.00	25	1.9	0.4	112	14	LA VICTORIA (VALLE)
497	Jul 18 2015	23:07:10.1	6.82	-73.13	137	2.3	0.5	136	20	LOS SANTOS (SANTANDER)
498	Jul 18 2015	23:45:15.5	4.76	-76.17	102	1.9	0.4	129	15	EL CAIRO (VALLE)
499	Jul 19 2015	00:22:15.6	6.81	-73.13	143	1.4	0.3	138	8	LOS SANTOS (SANTANDER)
500	Jul 19 2015	00:55:46.2	3.61	-74.38	Sup	1.4	0.4	191	11	URIBE (META)
501	Jul 19 2015	01:06: 7.1	5.77	-76.61	Sup	2.1	0.4	79	29	QUIBDO (CHOCO)
502	Jul 19 2015	01:58:25.7	6.86	-76.68	Sup	2.3	0.4	102	31	MURINDO (ANTIOQUIA)
503	Jul 19 2015	02:14:13.3	6.95	-76.31	Sup	2.8	0.4	98	43	DABEIBA (ANTIOQUIA)
504	Jul 19 2015	02:42:56.5	4.31	-76.97	62	1.9	0.2	113	8	LITORAL DEL SAN JUAN (CHOCO)
505	Jul 19 2015	03:07: 8.2	8.48	-73.98	68	1.7	0.3	111	10	ARENAL (BOLIVAR)
506	Jul 19 2015	04:04:31.6	6.79	-73.07	154	1.8	0.3	190	16	LOS SANTOS (SANTANDER)
507	Jul 19 2015	04:12:29.0	6.82	-73.14	135	1.6	0.2	183	9	LOS SANTOS (SANTANDER)
508	Jul 19 2015	06:45:43.4	6.68	-76.72	16	1.8	0.5	121	20	VIGIA DEL FUERTE (ANTIOQUIA)
509	Jul 19 2015	06:56:40.4	6.81	-73.16	145	1.7	0.3	134	15	LOS SANTOS (SANTANDER)
510	Jul 19 2015	07:18: 8.1	10.02	-73.83	25	1.6	0.1	251	8	BOSCONIA (CESAR)
511	Jul 19 2015	07:54:33.1	2.46	-75.57	Sup	2.2	0.5	89	26	GIGANTE (HUILA)
512	Jul 19 2015	07:56:48.6	6.75	-73.18	135	1.2	0.1	178	6	VILLANUEVA (SANTANDER)
513	Jul 19 2015	08:29: 7.1	5.19	-74.50	Sup	1.5	0.5	88	24	UTICA (CUNDINAMARCA)
514	Jul 19 2015	08:52:37.1	6.80	-73.14	146	1.7	0.2	136	10	LOS SANTOS (SANTANDER)
515	Jul 19 2015	09:49:26.0	6.78	-73.17	134	1.4	0.3	180	12	LOS SANTOS (SANTANDER)
516	Jul 19 2015	09:52: 3.2	6.84	-73.22	148	1.6	0.6	123	18	ZAPATOCA (SANTANDER)
517	Jul 19 2015	09:59:34.3	3.96	-75.97	Sup	1.3	0.4	178	16	TULUA (VALLE)
518	Jul 19 2015	10:50:55.1	3.19	-74.70	12	1.5	0.2	267	10	COLOMBIA (HUILA)
519	<u>Jul 19 2015</u>	<u>11:16:21.4</u>	<u>2.88</u>	<u>-79.16</u>	<u>24</u>	<u>4.0</u>	<u>0.6</u>	<u>92</u>	<u>0</u>	<u>O. PACIFICO SUR</u>
520	<u>Jul 19 2015</u>	<u>11:16:21.4</u>	<u>2.88</u>	<u>-79.16</u>	<u>24</u>	<u>4.0</u>	<u>0.6</u>	<u>92</u>	<u>97</u>	<u>O. PACIFICO SUR</u>
521	Jul 19 2015	12:08:18.9	6.88	-73.13	126	1.5	0.3	214	8	LOS SANTOS (SANTANDER)
522	Jul 19 2015	12:42: 8.0	6.82	-73.18	140	2.6	0.4	131	42	ZAPATOCA (SANTANDER)
523	Jul 19 2015	18:30:15.1	6.81	-73.16	128	2.2	0.5	134	32	LOS SANTOS (SANTANDER)
524	Jul 19 2015	19:30:29.1	6.74	-73.14	137	1.7	0.3	139	16	LOS SANTOS (SANTANDER)
525	Jul 19 2015	21:21:22.2	6.89	-73.22	134	1.8	0.4	156	11	BETULIA (SANTANDER)
526	Jul 19 2015	21:32:34.5	3.68	-76.51	30	1.4	0.6	183	9	LA CUMBRE (VALLE)
527	Jul 19 2015	22:58:17.7	6.81	-73.12	140	2.1	0.4	139	18	LOS SANTOS (SANTANDER)
528	Jul 19 2015	23:03:26.1	7.36	-76.66	7	2.3	0.5	136	13	MUTATA (ANTIOQUIA)
529	Jul 19 2015	23:42:33.6	4.16	-76.22	140	2.0	0.3	94	18	ANDALUCIA (VALLE)
530	Jul 20 2015	00:28:47.6	3.03	-79.12	24	2.4	0.5	219	13	O. PACIFICO SUR
531	Jul 20 2015	00:30:21.7	6.79	-73.15	143	2.0	0.4	136	20	LOS SANTOS (SANTANDER)
532	Jul 20 2015	01:34:37.9	6.80	-73.16	138	2.2	0.4	134	27	LOS SANTOS (SANTANDER)
533	Jul 20 2015	01:38:27.3	3.97	-76.70	99	1.5	0.4	180	8	CALIMA (VALLE)
534	Jul 20 2015	01:48:51.0	6.79	-73.18	142	1.8	0.4	132	9	ZAPATOCA (SANTANDER)
535	Jul 20 2015	02:18: 3.5	6.80	-73.16	140	2.4	0.5	134	35	LOS SANTOS (SANTANDER)
536	Jul 20 2015	02:54: 1.8	6.78	-73.92	84	1.6	0.5	170	9	PUERTO PARRA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
537	Jul 20 2015	03:17:39.3	4.05	-76.32	128	1.4	0.6	169	16	RIOFRIO (VALLE)
538	Jul 20 2015	03:38:15.8	9.79	-73.35	119	2.3	0.1	231	12	BECERRIL (CESAR)
539	Jul 20 2015	03:41:38.9	6.81	-73.15	138	1.9	0.6	134	19	LOS SANTOS (SANTANDER)
540	Jul 20 2015	04:03:13.5	6.80	-73.11	144	3.3	0.5	91	0	LOS SANTOS (SANTANDER)
541	Jul 20 2015	04:03:13.5	6.80	-73.11	144	3.3	0.5	91	51	LOS SANTOS (SANTANDER)
542	Jul 20 2015	04:11: 0.3	1.46	-77.78	Sup	2.1	0.5	184	19	LA LLANADA (NARINO)
543	Jul 20 2015	04:55:27.8	6.94	-76.59	Sup	1.2	0.4	261	10	MURINDO (ANTIOQUIA)
544	Jul 20 2015	07:10:17.8	6.82	-73.14	146	1.6	0.3	135	9	LOS SANTOS (SANTANDER)
545	Jul 20 2015	07:38:53.8	6.84	-73.07	139	1.4	0.3	191	10	LOS SANTOS (SANTANDER)
546	Jul 20 2015	08:04: 0.9	1.05	-79.07	61	2.2	0.4	129	24	FRONTERA CON ECUADOR
547	Jul 20 2015	08:37:58.6	2.82	-76.96	98	1.0	0.1	179	9	LOPEZ (CAUCA)
548	Jul 20 2015	08:42:20.1	4.12	-75.43	Sup	1.4	0.5	123	16	RONCESVALLES (TOLIMA)
549	Jul 20 2015	08:47:21.3	4.47	-76.43	79	0.9	0.4	207	8	EL DOVIO (VALLE)
550	Jul 20 2015	12:40:13.2	7.64	-72.61	Sup	1.8	0.4	244	8	CHINACOTA (N.SANTANDER)
551	Jul 20 2015	12:45:38.5	3.59	-77.53	Sup	1.6	0.4	238	13	O. PACIFICO SUR
552	Jul 20 2015	13:20:48.9	6.17	-73.90	93	1.2	0.2	177	8	LANDAZURI (SANTANDER)
553	Jul 20 2015	13:24:30.5	3.92	-76.71	30	2.1	0.5	105	26	RESTREPO (VALLE)
554	Jul 20 2015	13:57: 1.8	7.26	-73.26	128	2.0	0.5	91	18	RIONEGRO (SANTANDER)
555	Jul 20 2015	14:21: 3.5	6.82	-73.17	132	1.9	0.6	132	19	ZAPATOCA (SANTANDER)
556	Jul 20 2015	16:00: 8.0	6.41	-73.61	104	2.0	0.4	101	18	SANTA HELENA DEL OPO (SANTANDER)
557	Jul 20 2015	17:53:32.3	5.69	-75.96	57	1.0	0.3	141	8	BETANIA (ANTIOQUIA)
558	Jul 20 2015	18:52: 1.2	6.84	-73.11	135	1.8	0.3	221	10	LOS SANTOS (SANTANDER)
559	Jul 20 2015	20:11:13.0	2.38	-75.42	16	1.4	0.3	193	8	GIGANTE (HUILA)
560	Jul 20 2015	20:47:19.1	2.64	-75.06	Sup	3.9	0.5	112	0	RIVERA (HUILA)
561	<u>Jul 20 2015</u>	<u>20:47:19.1</u>	<u>2.64</u>	<u>-75.06</u>	<u>0</u>	<u>3.9</u>	<u>0.5</u>	<u>112</u>	<u>69</u>	<u>RIVERA (HUILA)</u>
562	Jul 20 2015	21:00: 5.9	6.56	-73.51	112	2.6	0.4	63	39	EL CARMEN (SANTANDER)
563	Jul 20 2015	21:50:32.5	7.49	-73.39	121	2.3	0.4	97	28	SABANA DE TORRES (SANTANDER)
564	Jul 20 2015	23:34:34.7	5.03	-76.47	77	1.6	0.2	267	9	NOVITA (CHOCO)
565	Jul 21 2015	00:33:58.6	5.31	-73.77	146	1.8	0.4	127	10	UBATE (CUNDINAMARCA)
566	Jul 21 2015	01:12:54.6	7.61	-73.65	96	1.8	0.4	103	12	SABANA DE TORRES (SANTANDER)
567	Jul 21 2015	02:40:25.2	2.53	-78.19	77	2.1	0.4	173	26	EL CHARCO (NARINO)
568	Jul 21 2015	02:55:35.5	6.82	-73.14	144	2.7	0.6	119	52	LOS SANTOS (SANTANDER)
569	Jul 21 2015	03:00:57.6	7.36	-77.20	17	1.8	0.5	186	10	RIOSUCIO (CHOCO)
570	Jul 21 2015	03:32:30.6	2.96	-76.37	Sup	1.7	0.6	180	13	CALOTO (CAUCA)
571	Jul 21 2015	03:59:31.8	7.50	-75.16	46	1.6	0.5	114	13	CACERES (ANTIOQUIA)
572	Jul 21 2015	04:44:11.6	6.82	-73.12	147	1.6	0.1	186	9	LOS SANTOS (SANTANDER)
573	Jul 21 2015	04:46:46.7	7.19	-76.91	26	2.2	0.6	131	21	MURINDO (ANTIOQUIA)
574	Jul 21 2015	04:49: 5.6	6.79	-73.16	141	2.4	0.4	134	31	LOS SANTOS (SANTANDER)
575	Jul 21 2015	06:04:32.5	3.72	-74.25	Sup	3.0	0.6	54	0	LEJANIAS (META)
576	Jul 21 2015	06:04:32.5	3.72	-74.25	0	3.0	0.6	54	49	LEJANIAS (META)
577	Jul 21 2015	06:19:57.6	5.95	-73.79	108	1.5	0.4	151	10	SUCRE (SANTANDER)
578	Jul 21 2015	07:44:37.1	6.93	-76.26	11	1.8	0.6	211	12	DABEIBA (ANTIOQUIA)
579	Jul 21 2015	07:49:38.7	7.91	-74.24	22	1.5	0.2	165	8	SANTA ROSA DEL SUR (BOLIVAR)
580	Jul 21 2015	10:29:30.5	4.72	-74.80	Sup	1.3	0.4	213	12	AMBALEMA (TOLIMA)
581	Jul 21 2015	10:43:46.3	5.00	-74.61	Sup	2.1	0.6	92	37	CHAGUANI (CUNDINAMARCA)
582	Jul 21 2015	11:08:29.7	5.60	-74.35	84	3.1	0.5	45	0	YACOPI (CUNDINAMARCA)
583	Jul 21 2015	11:08:29.7	5.60	-74.35	84	3.1	0.5	45	62	YACOPI (CUNDINAMARCA)
584	Jul 21 2015	11:12:49.3	6.78	-73.18	144	1.9	0.4	132	20	ZAPATOCA (SANTANDER)
585	Jul 21 2015	11:14:19.6	6.64	-73.40	129	1.2	0.3	164	8	GALAN (SANTANDER)
586	Jul 21 2015	11:29:26.8	4.61	-76.18	113	1.4	0.1	148	8	VERSALLES (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
587	Jul 21 2015	11:51:35.0	6.96	-73.42	22	1.6	0.4	128	12	SAN VICENTE DE CHUCURI (SANTANDER)
588	Jul 21 2015	12:11:23.0	5.59	-74.36	83	2.4	0.5	45	38	YACOPI (CUNDINAMARCA)
589	Jul 21 2015	12:51:20.5	7.67	-75.49	38	1.6	0.2	129	8	TARAZA (ANTIOQUIA)
590	Jul 21 2015	13:26:15.6	6.80	-73.23	132	1.5	0.4	193	8	ZAPATOCA (SANTANDER)
591	Jul 21 2015	13:46:56.3	5.12	-76.35	76	1.9	0.5	143	20	SAN JOSE DEL PALMAR (CHOCO)
592	Jul 21 2015	15:46:15.3	6.53	-73.52	112	1.8	0.4	153	10	EL CARMEN (SANTANDER)
593	Jul 21 2015	20:45:38.2	2.70	-75.01	Sup	2.0	0.5	124	24	RIVERA (HUILA)
594	Jul 21 2015	21:44:24.9	6.81	-73.11	150	2.3	0.3	121	24	LOS SANTOS (SANTANDER)
595	Jul 21 2015	22:09:51.8	4.65	-76.08	92	1.3	0.1	132	9	TORO (VALLE)
596	Jul 21 2015	23:25:30.8	6.49	-73.13	145	1.8	0.3	182	13	VALLE DE SAN JOSE (SANTANDER)
597	Jul 22 2015	00:09: 5.5	5.67	-73.07	Sup	2.6	0.6	135	31	FIRAVITOBA (BOYACA)
598	Jul 22 2015	00:24:56.3	4.76	-78.08	58	1.6	0.4	300	8	O. PACIFICO CENTRO
599	Jul 22 2015	00:54:40.2	7.40	-75.26	22	2.0	0.5	75	25	CACERES (ANTIOQUIA)
600	Jul 22 2015	00:57:55.2	6.78	-73.31	143	1.5	0.2	174	7	ZAPATOCA (SANTANDER)
601	Jul 22 2015	01:19:12.5	6.85	-73.20	140	1.9	0.3	197	10	ZAPATOCA (SANTANDER)
602	Jul 22 2015	02:18:18.7	5.73	-74.42	20	1.5	0.5	286	9	OTANCHE (BOYACA)
603	Jul 22 2015	02:25: 2.7	7.32	-73.40	116	1.6	0.6	157	9	SABANA DE TORRES (SANTANDER)
604	Jul 22 2015	02:30:39.5	4.44	-76.18	Sup	1.7	0.5	99	15	ROLDANILLO (VALLE)
605	Jul 22 2015	03:34:31.6	2.23	-77.25	72	1.5	0.2	237	9	ARGELIA (CAUCA)
606	Jul 22 2015	05:55:13.9	11.47	-73.47	85	1.2	0.3	193	7	MAR CARIBE
607	Jul 22 2015	05:56:36.3	6.48	-73.53	Sup	1.3	0.4	131	8	SANTA HELENA DEL OPON (SANTANDER)
608	Jul 22 2015	06:28:30.1	6.81	-73.16	140	1.9	0.4	134	14	LOS SANTOS (SANTANDER)
609	Jul 22 2015	06:35:13.8	2.85	-77.93	18	1.2	0.4	255	8	O. PACIFICO SUR
610	Jul 22 2015	07:48:47.7	6.81	-73.16	141	2.0	0.5	134	20	LOS SANTOS (SANTANDER)
611	Jul 22 2015	08:00:58.0	6.93	-76.15	Sup	1.5	0.5	144	15	URAMITA (ANTIOQUIA)
612	Jul 22 2015	08:56:31.0	6.83	-73.09	143	1.4	0.5	189	9	LOS SANTOS (SANTANDER)
613	Jul 22 2015	11:30: 6.8	6.84	-72.99	144	1.8	0.4	230	7	CEPITA (SANTANDER)
614	Jul 22 2015	11:35:17.5	6.87	-73.10	138	1.6	0.5	155	8	LOS SANTOS (SANTANDER)
615	Jul 22 2015	12:39:26.2	8.11	-73.38	99	1.8	0.5	217	8	OCANA (N.SANTANDER)
616	Jul 22 2015	14:10: 9.0	6.75	-73.08	140	1.9	0.4	237	11	LOS SANTOS (SANTANDER)
617	Jul 22 2015	16:21:13.4	5.31	-76.43	56	1.6	0.2	221	10	BAGADO (CHOCO)
618	Jul 22 2015	17:03:49.5	6.83	-73.15	141	3.0	0.5	133	46	LOS SANTOS (SANTANDER)
619	Jul 22 2015	17:42: 5.4	6.92	-76.25	12	2.7	0.5	99	24	DABEIBA (ANTIOQUIA)
620	Jul 22 2015	17:53:24.9	6.85	-73.15	138	2.3	0.4	201	22	LOS SANTOS (SANTANDER)
621	Jul 22 2015	18:29:50.6	6.86	-73.10	127	2.0	0.3	205	10	LOS SANTOS (SANTANDER)
622	Jul 22 2015	22:15:33.2	7.45	-73.24	133	2.3	0.4	108	22	EL PLAYON (SANTANDER)
623	Jul 22 2015	23:10:16.5	6.80	-73.06	149	1.7	0.2	208	7	LOS SANTOS (SANTANDER)
624	Jul 22 2015	23:14:56.4	10.06	-74.27	Sup	2.0	0.4	218	8	SABANAS DE SAN ANGEL (MAGDALENA)
625	Jul 22 2015	23:21:21.5	6.81	-73.13	143	1.7	0.2	138	10	LOS SANTOS (SANTANDER)
626	Jul 23 2015	00:16:39.4	6.79	-73.15	137	2.1	0.4	135	22	LOS SANTOS (SANTANDER)
627	Jul 23 2015	00:44:44.4	4.81	-76.25	93	1.7	0.4	78	18	EL CAIRO (VALLE)
628	Jul 23 2015	02:30: 1.1	5.23	-74.88	Sup	0.6	0.4	266	8	MARIQUITA (TOLIMA)
629	Jul 23 2015	04:16:34.1	0.69	-77.28	Sup	3.4	0.5	180	0	CORDOBA (NARINO)
630	Jul 23 2015	04:16:34.1	0.69	-77.28	0	3.4	0.5	180	36	CORDOBA (NARINO)
631	Jul 23 2015	06:21:34.5	6.77	-73.11	147	2.0	0.4	186	30	LOS SANTOS (SANTANDER)
632	Jul 23 2015	07:19:53.1	6.80	-73.11	146	2.3	0.5	140	38	LOS SANTOS (SANTANDER)
633	Jul 23 2015	07:37:57.0	5.69	-73.03	Sup	1.9	0.5	137	34	TIBASOSA (BOYACA)
634	Jul 23 2015	07:49:59.4	2.79	-76.91	108	1.4	0.3	173	12	SUAREZ (CAUCA)
635	Jul 23 2015	08:46:24.7	6.81	-73.19	142	2.2	0.4	178	32	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
636	Jul 23 2015	10:58:20.2	3.81	-71.52	Sup	2.4	0.5	258	8	PUERTO GAITAN (META)
637	Jul 23 2015	11:21:20.0	5.48	-78.39	40	2.3	0.3	269	11	O. PACIFICO CENTRO
638	Jul 23 2015	12:05: 4.5	6.81	-73.16	139	2.0	0.5	191	15	LOS SANTOS (SANTANDER)
639	Jul 23 2015	15:57:34.5	8.21	-73.28	11	2.2	0.6	230	9	LA PLAYA (N.SANTANDER)
640	Jul 23 2015	16:07:17.2	6.79	-73.17	145	2.0	0.4	198	9	LOS SANTOS (SANTANDER)
641	Jul 23 2015	16:37:25.0	6.83	-73.14	137	3.0	0.5	184	38	LOS SANTOS (SANTANDER)
642	Jul 23 2015	19:01:28.8	4.03	-76.95	9	1.7	0.5	172	6	BUENAVENTURA (VALLE)
643	Jul 23 2015	19:03:36.1	6.89	-73.12	130	2.0	0.5	204	12	PIEDECUESTA (SANTANDER)
644	Jul 23 2015	19:09:24.9	4.45	-76.22	128	1.2	0.1	159	7	EL DOVIO (VALLE)
645	Jul 23 2015	19:59:24.4	6.78	-73.17	146	1.7	0.2	198	7	LOS SANTOS (SANTANDER)
646	Jul 23 2015	21:06:54.7	6.84	-73.09	140	1.8	0.3	206	10	LOS SANTOS (SANTANDER)
647	Jul 24 2015	00:31:45.9	6.81	-73.11	147	2.1	0.3	186	16	LOS SANTOS (SANTANDER)
648	Jul 24 2015	01:32: 6.9	4.91	-72.97	Sup	1.6	0.4	137	12	MONTERREY (CASANARE)
649	Jul 24 2015	01:43:48.7	6.86	-73.05	138	1.5	0.3	193	9	LOS SANTOS (SANTANDER)
650	Jul 24 2015	02:01:30.5	4.44	-76.53	93	1.2	0.3	230	10	SIPI (CHOCO)
651	Jul 24 2015	02:04:39.5	4.39	-76.19	113	1.2	0.2	149	7	ROLDANILLO (VALLE)
652	Jul 24 2015	03:20: 5.1	6.80	-73.14	147	1.7	0.4	184	12	LOS SANTOS (SANTANDER)
653	Jul 24 2015	03:26:53.5	6.81	-73.19	142	1.7	0.5	178	11	ZAPATOCA (SANTANDER)
654	Jul 24 2015	04:29:17.5	4.80	-76.20	Sup	2.0	0.4	88	24	EL CAIRO (VALLE)
655	Jul 24 2015	04:29:38.1	3.85	-71.36	Sup	2.8	0.5	193	13	PUERTO GAITAN (META)
656	Jul 24 2015	04:39:15.0	8.55	-77.10	53	3.2	0.5	125	43	MAR CARIBE
657	Jul 24 2015	06:33:37.3	6.83	-73.16	135	2.1	0.5	133	19	LOS SANTOS (SANTANDER)
658	Jul 24 2015	06:44:20.5	7.70	-75.29	43	1.7	0.4	167	8	CACERES (ANTIOQUIA)
659	Jul 24 2015	06:48:53.4	4.35	-76.25	121	2.0	0.3	80	24	BOLIVAR (VALLE)
660	Jul 24 2015	07:25:53.8	6.22	-76.69	20	1.3	0.4	220	10	MEDIO ATRATO (CHOCO)
661	Jul 24 2015	07:36:50.4	3.00	-76.04	Sup	1.9	0.4	112	18	TORIBIO (CAUCA)
662	Jul 24 2015	07:44:55.7	6.82	-73.16	138	2.0	0.4	133	15	LOS SANTOS (SANTANDER)
663	Jul 24 2015	08:29:12.3	6.86	-73.14	138	1.7	0.6	134	12	LOS SANTOS (SANTANDER)
<u>664</u>	<u>Jul 24 2015</u>	<u>08:41:23.9</u>	<u>4.14</u>	<u>-73.75</u>	<u>Sup</u>	<u>3.9</u>	<u>0.5</u>	<u>38</u>	<u>0</u>	<u>GUAYABETAL (CUNDINAMARCA)</u>
665	Jul 24 2015	08:41:23.9	4.14	-73.75	0	3.9	0.5	38	85	GUAYABETAL (CUNDINAMARCA)
666	Jul 24 2015	09:34:50.2	7.25	-72.31	22	1.7	0.4	255	8	TOLEDO (N.SANTANDER)
667	Jul 24 2015	09:58: 1.0	6.81	-73.15	135	2.1	0.6	134	15	LOS SANTOS (SANTANDER)
668	Jul 24 2015	11:14: 9.9	6.78	-73.34	117	1.7	0.5	159	14	ZAPATOCA (SANTANDER)
669	Jul 24 2015	16:02:25.1	7.52	-73.11	Sup	2.0	0.5	130	12	EL PLAYON (SANTANDER)
670	Jul 24 2015	22:15:11.4	4.02	-76.33	14	1.3	0.4	99	7	SAN PEDRO (VALLE)
671	Jul 24 2015	23:43:56.1	6.81	-73.15	145	1.5	0.2	134	8	LOS SANTOS (SANTANDER)
672	Jul 25 2015	00:00:58.4	6.85	-73.14	137	2.5	0.5	134	32	LOS SANTOS (SANTANDER)
673	Jul 25 2015	01:11:54.4	2.42	-75.40	Sup	1.7	0.1	195	8	ALGECIRAS (HUILA)
674	Jul 25 2015	01:12:35.2	5.86	-72.54	Sup	2.4	0.5	172	28	PISVA (BOYACA)
675	Jul 25 2015	01:14:19.2	6.43	-73.42	24	1.3	0.4	115	10	SIMACOTA (SANTANDER)
676	Jul 25 2015	02:33:53.2	5.87	-72.54	Sup	2.1	0.6	172	22	PISVA (BOYACA)
677	Jul 25 2015	03:49:42.4	6.88	-73.27	118	2.1	0.1	164	8	BETULIA (SANTANDER)
678	Jul 25 2015	04:35:54.8	6.70	-74.34	Sup	1.6	0.6	128	16	PUERTO BERRIO (ANTIOQUIA)
679	Jul 25 2015	05:00:56.7	4.86	-75.81	39	1.3	0.4	74	18	LA VIRGINIA (RISARALDA)
680	Jul 25 2015	05:10:28.7	10.15	-74.50	22	2.5	0.4	127	34	CHIVOLO (MAGDALENA)
681	Jul 25 2015	05:35: 5.5	5.28	-76.32	18	1.2	0.2	207	8	BAGADO (CHOCO)
682	Jul 25 2015	06:27: 5.2	6.27	-75.79	19	1.4	0.2	135	8	EBEJICO (ANTIOQUIA)
683	Jul 25 2015	07:23:43.0	5.95	-73.75	117	1.5	0.4	156	12	BOLIVAR (SANTANDER)
684	Jul 25 2015	08:05:42.3	6.83	-73.12	143	2.7	0.4	185	44	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
685	Jul 25 2015	08:43:33.6	6.81	-73.13	147	2.9	0.5	72	52	LOS SANTOS (SANTANDER)
686	Jul 25 2015	09:25:34.0	6.99	-77.04	19	2.1	0.6	98	22	MURINDO (ANTIOQUIA)
687	Jul 25 2015	09:55:35.8	6.84	-73.33	122	1.9	0.5	149	16	BETULIA (SANTANDER)
688	Jul 25 2015	09:58:21.7	6.81	-73.08	143	2.1	0.3	189	16	LOS SANTOS (SANTANDER)
689	Jul 25 2015	10:11:57.2	7.22	-74.02	85	1.7	0.3	92	12	PUERTO WILCHES (SANTANDER)
690	Jul 25 2015	10:25:13.8	6.84	-73.14	140	2.8	0.6	119	0	LOS SANTOS (SANTANDER)
691	Jul 25 2015	10:25:13.8	6.84	-73.14	140	2.8	0.6	119	42	LOS SANTOS (SANTANDER)
692	Jul 25 2015	11:32:11.2	6.86	-73.12	139	1.8	0.5	186	12	LOS SANTOS (SANTANDER)
693	Jul 25 2015	11:50:57.5	1.86	-78.50	22	2.0	0.2	184	8	FRANCISCO PIZARRO (NARINO)
694	Jul 25 2015	11:51:57.1	1.91	-78.57	32	1.8	0.3	206	8	FRANCISCO PIZARRO (NARINO)
695	Jul 25 2015	12:03:21.6	5.12	-76.26	86	2.5	0.5	100	39	SAN JOSE DEL PALMAR (CHOCO)
696	Jul 25 2015	13:03:59.8	6.82	-73.09	150	2.0	0.4	142	9	LOS SANTOS (SANTANDER)
697	Jul 25 2015	14:05:54.1	4.69	-76.18	40	1.7	0.6	94	19	ARGELIA (VALLE)
698	Jul 25 2015	14:18:18.3	10.79	-74.12	Sup	1.5	0.5	123	8	PIVIJAY (MAGDALENA)
699	Jul 25 2015	16:50:56.0	4.58	-76.65	15	1.5	0.2	179	8	SIPI (CHOCO)
700	Jul 25 2015	18:13: 7.7	6.81	-73.12	136	2.6	0.5	138	27	LOS SANTOS (SANTANDER)
701	Jul 25 2015	23:04:34.9	6.43	-73.65	103	1.4	0.4	101	12	SANTA HELENA DEL OPO (SANTANDER)
702	Jul 25 2015	23:13:26.2	2.95	-76.53	13	1.3	0.4	269	7	SANTANDER DE QUILCHAO (CAUCA)
703	Jul 25 2015	23:15:25.6	1.31	-78.46	94	2.3	0.4	153	16	ROBERTO PAYAN (NARINO)
704	Jul 25 2015	23:36:43.0	7.06	-75.54	Sup	1.3	0.4	121	10	BRICENO (ANTIOQUIA)
705	Jul 25 2015	23:41: 9.6	6.81	-73.13	143	2.3	0.4	138	33	LOS SANTOS (SANTANDER)
706	Jul 26 2015	00:25:41.7	4.37	-76.50	85	1.8	0.4	131	20	TRUJILLO (VALLE)
707	Jul 26 2015	02:19:20.7	5.72	-76.86	Sup	1.8	0.5	149	18	QUIBDO (CHOCO)
708	Jul 26 2015	03:35: 9.4	5.00	-73.28	9	1.2	0.3	134	9	MACANAL (BOYACA)
709	Jul 26 2015	04:26:58.9	6.81	-73.20	135	1.8	0.4	129	21	ZAPATOCA (SANTANDER)
710	Jul 26 2015	05:12:45.8	5.32	-73.74	141	1.5	0.4	129	12	LENGUAZAQUE (CUNDINAMARCA)
711	Jul 26 2015	05:38:29.9	7.71	-75.33	25	1.9	0.4	61	23	CACERES (ANTIOQUIA)
712	Jul 26 2015	08:13:37.4	2.02	-75.76	8	1.6	0.4	261	10	GUADALUPE (HUILA)
713	Jul 26 2015	08:14:41.5	6.75	-73.15	137	1.4	0.4	137	10	LOS SANTOS (SANTANDER)
714	Jul 26 2015	08:18:24.6	8.15	-72.60	Sup	1.4	0.4	266	8	SARDINATA (N.SANTANDER)
715	Jul 26 2015	08:26:57.4	6.80	-73.11	140	1.6	0.5	140	16	LOS SANTOS (SANTANDER)
716	Jul 26 2015	09:35:39.1	6.81	-73.14	144	3.6	0.5	133	0	LOS SANTOS (SANTANDER)
717	Jul 26 2015	09:35:39.1	6.81	-73.14	144	3.6	0.5	133	82	LOS SANTOS (SANTANDER)
718	Jul 26 2015	10:02:50.8	6.85	-73.17	132	2.0	0.5	130	19	ZAPATOCA (SANTANDER)
719	Jul 26 2015	10:11:31.4	6.82	-73.13	141	1.6	0.3	136	10	LOS SANTOS (SANTANDER)
720	Jul 26 2015	10:13: 6.3	6.81	-73.14	148	3.9	0.6	86	0	LOS SANTOS (SANTANDER)
721	Jul 26 2015	10:13: 6.3	6.81	-73.14	148	3.9	0.6	86	97	LOS SANTOS (SANTANDER)
722	Jul 26 2015	10:32:43.8	6.85	-76.65	6	1.4	0.3	283	6	MURINDO (ANTIOQUIA)
723	Jul 26 2015	12:13: 2.3	6.88	-73.30	123	2.1	0.5	104	11	BETULIA (SANTANDER)
724	Jul 26 2015	12:20:43.3	6.47	-73.16	143	2.0	0.4	306	8	VALLE DE SAN JOSE (SANTANDER)
725	Jul 26 2015	13:09:22.9	6.80	-73.11	150	4.0	0.6	91	0	LOS SANTOS (SANTANDER)
726	Jul 26 2015	13:09:22.9	6.80	-73.11	150	4.0	0.6	91	93	LOS SANTOS (SANTANDER)
727	Jul 26 2015	14:14: 6.2	5.30	-73.75	143	3.0	0.6	128	0	LENGUAZAQUE (CUNDINAMARCA)
728	Jul 26 2015	14:14: 6.2	5.30	-73.75	143	3.0	0.6	128	44	LENGUAZAQUE (CUNDINAMARCA)
729	Jul 26 2015	15:01:53.0	5.55	-74.51	Sup	1.1	0.6	198	8	PUERTO SALGAR (CUNDINAMARCA)
730	Jul 26 2015	15:27:46.9	6.81	-73.22	143	1.7	0.5	174	8	ZAPATOCA (SANTANDER)
731	Jul 26 2015	17:24:49.4	4.82	-74.79	Sup	1.1	0.4	212	11	AMBALEMA (TOLIMA)
732	Jul 26 2015	18:41:34.9	7.06	-76.72	24	1.8	0.5	271	9	MURINDO (ANTIOQUIA)
733	Jul 26 2015	19:19:25.3	6.79	-73.18	141	2.0	0.5	131	15	ZAPATOCA (SANTANDER)
734	Jul 26 2015	21:58:17.9	6.82	-73.07	142	1.9	0.4	144	21	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
735	Jul 26 2015	21:58:56.3	2.44	-76.96	132	1.6	0.3	169	12	EL TAMBO (CAUCA)
736	Jul 26 2015	22:50: 5.5	7.62	-71.91	Sup	1.6	0.5	173	9	FRONTERA CON VENEZUELA
737	Jul 27 2015	00:45:34.6	5.02	-75.52	Sup	3.2	0.6	56	0	VILLAMARIA (CALDAS)
<u>738</u>	<u>Jul 27 2015</u>	<u>00:45:34.6</u>	<u>5.02</u>	<u>-75.52</u>	<u>0</u>	<u>3.2</u>	<u>0.6</u>	<u>56</u>	<u>69</u>	<u>VILLAMARIA (CALDAS)</u>
739	Jul 27 2015	01:46:16.6	6.81	-73.13	141	2.0	0.4	137	16	LOS SANTOS (SANTANDER)
740	Jul 27 2015	02:38:43.2	4.95	-75.76	17	1.7	0.5	80	16	MARSELLA (RISARALDA)
741	Jul 27 2015	05:48:14.5	6.92	-72.99	136	1.8	0.4	199	12	PIEDECUESTA (SANTANDER)
742	Jul 27 2015	06:57:54.5	6.83	-73.11	147	3.5	0.4	86	68	LOS SANTOS (SANTANDER)
743	Jul 27 2015	08:18:35.1	3.56	-74.41	Sup	2.2	0.4	126	25	URIBE (META)
744	Jul 27 2015	09:42:14.7	6.83	-73.08	143	2.1	0.3	190	24	LOS SANTOS (SANTANDER)
745	Jul 27 2015	11:46:31.5	6.79	-73.17	139	1.9	0.3	241	14	LOS SANTOS (SANTANDER)
746	Jul 27 2015	12:48:24.0	3.65	-75.12	14	1.9	0.5	148	20	NATAGAIMA (TOLIMA)
747	Jul 27 2015	13:45:49.0	6.98	-77.71	Sup	2.4	0.3	173	8	O. PACIFICO NORTE
748	Jul 27 2015	13:50:17.6	1.98	-75.91	Sup	2.1	0.4	186	19	TIMANA (HUILA)
749	Jul 27 2015	14:39:47.6	4.46	-76.18	128	1.4	0.3	148	10	ROLDANILLO (VALLE)
750	Jul 27 2015	15:09:52.0	6.85	-73.18	139	2.7	0.5	129	30	ZAPATOCA (SANTANDER)
751	Jul 27 2015	15:14: 6.3	6.60	-73.54	102	1.9	0.5	173	8	EL CARMEN (SANTANDER)
752	Jul 27 2015	15:50: 7.4	5.97	-73.65	130	1.8	0.2	214	6	VELEZ (SANTANDER)
753	Jul 27 2015	16:20:20.2	6.66	-73.19	142	1.6	0.1	236	7	VILLANUEVA (SANTANDER)
754	Jul 27 2015	16:25:57.2	6.48	-73.27	126	2.6	0.4	124	31	SOCORRO (SANTANDER)
755	Jul 27 2015	16:50: 0.8	6.83	-73.12	145	3.2	0.6	90	0	LOS SANTOS (SANTANDER)
756	Jul 27 2015	16:50: 0.8	6.83	-73.12	145	3.2	0.6	90	49	LOS SANTOS (SANTANDER)
757	Jul 27 2015	17:38:50.9	3.44	-73.96	7	1.8	0.4	225	8	MESETAS (META)
758	Jul 27 2015	17:44:23.6	6.76	-73.17	140	1.4	0.2	139	7	LOS SANTOS (SANTANDER)
759	Jul 27 2015	19:21:52.1	4.23	-76.25	108	1.8	0.5	99	26	TRUJILLO (VALLE)
760	Jul 27 2015	20:31: 3.6	5.32	-73.05	Sup	2.0	0.4	197	20	SAN EDUARDO (BOYACA)
761	Jul 27 2015	21:21:10.8	3.95	-76.09	154	1.6	0.2	184	12	SAN PEDRO (VALLE)
762	Jul 27 2015	23:44:36.1	6.89	-73.25	121	1.7	0.3	119	10	BETULIA (SANTANDER)
763	Jul 28 2015	01:42:50.5	4.39	-76.00	137	1.6	0.4	111	18	ZARZAL (VALLE)
764	Jul 28 2015	03:03:26.6	6.76	-73.13	141	1.8	0.3	140	16	LOS SANTOS (SANTANDER)
765	Jul 28 2015	03:25:42.0	3.66	-76.93	12	2.5	0.5	107	43	DAGUA (VALLE)
766	Jul 28 2015	05:55:15.9	6.82	-73.12	145	2.4	0.5	138	39	LOS SANTOS (SANTANDER)
767	Jul 28 2015	06:02: 8.2	7.19	-77.91	17	2.0	0.5	171	9	O. PACIFICO NORTE
768	Jul 28 2015	06:20:14.7	2.40	-75.58	18	1.8	0.5	107	20	GIGANTE (HUILA)
769	Jul 28 2015	06:24:42.8	9.22	-77.83	67	2.5	0.3	240	16	MAR CARIBE FRONTERA CON PANAMA
770	Jul 28 2015	07:27:52.4	5.46	-74.26	23	1.3	0.4	142	16	YACOPI (CUNDINAMARCA)
771	Jul 28 2015	09:02:31.8	8.89	-77.76	83	2.1	0.2	236	11	FRONTERA CON PANAMA
772	Jul 28 2015	09:31:52.2	0.33	-77.44	Sup	2.0	0.4	252	14	FRONTERA CON ECUADOR
773	Jul 28 2015	09:55:34.8	5.93	-72.29	Sup	1.4	0.3	228	7	TAMARA (CASANARE)
774	Jul 28 2015	10:09: 5.0	6.78	-73.13	136	1.6	0.3	138	8	LOS SANTOS (SANTANDER)
775	Jul 28 2015	11:33:32.6	6.81	-73.17	141	2.3	0.5	132	29	LOS SANTOS (SANTANDER)
776	Jul 28 2015	11:39:23.0	4.12	-75.41	17	2.3	0.5	68	30	ROVIRA (TOLIMA)
777	Jul 28 2015	13:07: 4.2	6.57	-72.18	Sup	1.8	0.6	267	8	GUICAN (BOYACA)
778	Jul 28 2015	16:44:36.0	5.65	-73.94	125	1.8	0.5	129	14	PAUNA (BOYACA)
779	Jul 28 2015	17:44:37.8	5.85	-74.80	10	1.3	0.3	195	8	PUERTO TRIUNFO (ANTIOQUIA)
780	Jul 28 2015	20:40:17.3	8.70	-77.63	72	3.4	0.5	132	0	FRONTERA CON PANAMA
781	Jul 28 2015	20:40:17.3	8.70	-77.63	72	3.4	0.5	132	68	FRONTERA CON PANAMA
782	Jul 28 2015	21:41:48.4	6.81	-73.16	141	1.9	0.2	243	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
783	Jul 29 2015	00:10:24.9	8.15	-77.33	14	5.3	0.6	105	0	FRONTERA CON PANAMA
784	Jul 29 2015	00:10:24.9	8.15	-77.33	14	5.3	0.6	105	116	FRONTERA CON PANAMA
785	Jul 29 2015	00:21: 2.6	8.10	-77.38	11	2.7	0.5	108	15	FRONTERA CON PANAMA
786	Jul 29 2015	00:25:32.2	8.10	-77.37	18	2.4	0.2	108	16	FRONTERA CON PANAMA
787	Jul 29 2015	01:59:47.8	8.12	-77.39	10	2.2	0.6	110	8	FRONTERA CON PANAMA
788	Jul 29 2015	02:22:31.4	8.12	-77.37	12	2.4	0.3	110	10	FRONTERA CON PANAMA
789	Jul 29 2015	03:02: 7.2	8.10	-77.36	Sup	2.0	0.4	108	11	FRONTERA CON PANAMA
790	Jul 29 2015	03:28:24.0	8.09	-77.38	Sup	2.3	0.4	108	8	FRONTERA CON PANAMA
791	Jul 29 2015	04:57:32.7	8.11	-77.38	Sup	2.3	0.3	109	10	FRONTERA CON PANAMA
792	Jul 29 2015	05:11:10.9	3.74	-77.01	17	3.1	0.5	108	24	BUENAVENTURA (VALLE)
793	Jul 29 2015	05:22:16.2	8.12	-77.37	14	2.4	0.5	110	12	FRONTERA CON PANAMA
794	Jul 29 2015	06:07:49.4	8.13	-77.39	14	2.3	0.5	111	24	FRONTERA CON PANAMA
795	Jul 29 2015	06:43:49.4	8.13	-77.39	13	2.3	0.5	110	8	FRONTERA CON PANAMA
796	Jul 29 2015	06:53:58.7	8.16	-77.32	14	3.5	0.6	106	56	FRONTERA CON PANAMA
797	Jul 29 2015	08:21:40.2	8.12	-77.37	Sup	2.2	0.5	110	9	FRONTERA CON PANAMA
798	Jul 29 2015	10:06:48.6	7.99	-77.34	Sup	1.7	0.1	165	11	FRONTERA CON PANAMA
799	Jul 29 2015	10:31:57.5	6.62	-74.11	73	1.5	0.1	165	8	PUERTO PARRA (SANTANDER)
800	Jul 29 2015	10:34:23.5	6.70	-73.25	143	1.4	0.5	147	10	GALAN (SANTANDER)
801	Jul 29 2015	10:37:22.6	6.79	-73.12	151	3.6	0.6	87	0	LOS SANTOS (SANTANDER)
802	Jul 29 2015	10:37:22.6	6.79	-73.12	151	3.6	0.6	87	77	LOS SANTOS (SANTANDER)
803	Jul 29 2015	11:41:17.6	6.48	-73.18	141	2.1	0.5	172	13	PINCHOTE (SANTANDER)
804	Jul 29 2015	12:00:38.1	5.28	-73.76	145	2.2	0.5	129	30	CUCUNUBA (CUNDINAMARCA)
805	Jul 29 2015	13:08:30.0	6.79	-73.06	143	2.0	0.4	246	15	LOS SANTOS (SANTANDER)
806	Jul 29 2015	13:46:25.9	8.09	-77.39	16	2.3	0.5	107	15	FRONTERA CON PANAMA
807	Jul 29 2015	14:33:14.6	7.13	-76.21	Sup	1.9	0.4	232	8	DABEIBA (ANTIOQUIA)
808	Jul 29 2015	15:47:42.4	6.56	-76.94	9	1.9	0.2	174	7	BOJAYA (CHOCO)
809	Jul 29 2015	15:55:51.2	7.03	-76.11	Sup	1.8	0.4	139	14	URAMITA (ANTIOQUIA)
810	Jul 29 2015	19:56:59.5	10.62	-72.75	29	2.3	0.2	222	6	FRONTERA CON VENEZUELA
811	Jul 29 2015	22:00:51.8	4.75	-76.15	101	2.1	0.4	80	30	ARGELIA (VALLE)
812	Jul 29 2015	22:43:10.7	9.97	-73.21	108	2.6	0.2	191	10	AGUSTIN CODAZZI (CESAR)
813	Jul 29 2015	22:44:20.6	6.75	-73.11	140	2.0	0.5	142	22	LOS SANTOS (SANTANDER)
814	Jul 29 2015	22:56:15.3	5.87	-74.85	Sup	1.6	0.4	93	18	PUERTO TRIUNFO (ANTIOQUIA)
815	Jul 29 2015	23:27:48.5	6.80	-73.11	136	1.7	0.5	241	12	LOS SANTOS (SANTANDER)
816	Jul 29 2015	23:58:24.6	8.22	-77.34	24	2.5	0.6	73	24	FRONTERA CON PANAMA
817	Jul 30 2015	01:05:38.2	7.43	-73.38	105	1.8	0.3	93	10	SABANA DE TORRES (SANTANDER)
818	Jul 30 2015	01:37:32.8	3.91	-76.19	109	1.5	0.1	203	7	SAN PEDRO (VALLE)
819	Jul 30 2015	01:52:10.6	8.19	-77.46	14	2.2	0.3	174	8	FRONTERA CON PANAMA
820	Jul 30 2015	01:54:12.6	8.19	-77.35	Sup	2.2	0.6	136	7	FRONTERA CON PANAMA
821	Jul 30 2015	03:34: 0.5	6.79	-73.15	138	1.8	0.6	136	20	LOS SANTOS (SANTANDER)
822	Jul 30 2015	04:21: 5.0	8.16	-77.31	Sup	2.0	0.5	75	19	FRONTERA CON PANAMA
823	Jul 30 2015	04:45:57.5	8.29	-74.05	67	2.2	0.4	71	22	MORALES (BOLIVAR)
824	Jul 30 2015	06:00:40.7	6.70	-76.83	Sup	1.6	0.6	129	13	VIGIA DEL FUERTE (ANTIOQUIA)
825	Jul 30 2015	06:11: 0.5	6.80	-73.09	142	2.9	0.4	73	47	LOS SANTOS (SANTANDER)
826	Jul 30 2015	07:19:50.5	6.56	-73.45	120	1.4	0.4	109	11	HATO (SANTANDER)
827	Jul 30 2015	07:32: 8.2	6.79	-73.09	147	1.6	0.5	188	9	LOS SANTOS (SANTANDER)
828	Jul 30 2015	07:46:27.6	5.76	-73.90	102	2.2	0.6	91	32	ALBANIA (SANTANDER)
829	Jul 30 2015	07:57:59.9	6.84	-73.18	128	2.4	0.5	179	18	ZAPATOCA (SANTANDER)
830	Jul 30 2015	08:16:13.5	8.22	-77.28	19	1.3	0.4	156	8	FRONTERA CON PANAMA
831	Jul 30 2015	08:23:39.8	6.82	-73.11	142	2.3	0.6	122	28	LOS SANTOS (SANTANDER)
832	Jul 30 2015	09:16:23.3	6.76	-73.17	145	1.4	0.2	232	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
833	Jul 30 2015	09:20:40.3	8.18	-77.35	20	2.7	0.5	61	25	FRONTERA CON PANAMA
834	Jul 30 2015	09:36:10.6	3.87	-76.15	Sup	1.1	0.4	114	10	SAN PEDRO (VALLE)
835	Jul 30 2015	09:46:13.6	8.19	-77.35	15	3.1	0.6	61	32	FRONTERA CON PANAMA
836	Jul 30 2015	10:17:52.5	6.65	-73.20	132	1.4	0.4	205	8	BARICHARA (SANTANDER)
837	Jul 30 2015	10:52:26.5	6.78	-73.14	142	2.0	0.4	183	20	LOS SANTOS (SANTANDER)
838	Jul 30 2015	11:45: 7.5	8.17	-77.35	10	2.3	0.5	106	11	FRONTERA CON PANAMA
839	Jul 30 2015	12:08:39.2	6.72	-73.18	132	2.3	0.4	227	27	VILLANUEVA (SANTANDER)
840	Jul 30 2015	12:44:25.5	4.93	-76.44	68	2.1	0.5	161	25	NOVITA (CHOCO)
841	Jul 30 2015	13:21:19.6	5.69	-74.00	101	1.8	0.3	110	13	PAUNA (BOYACA)
842	Jul 30 2015	13:21:28.9	8.14	-77.25	Sup	2.9	0.3	83	13	FRONTERA CON PANAMA
843	Jul 30 2015	13:21:29.0	8.15	-77.27	14	2.9	0.4	146	11	FRONTERA CON PANAMA
844	Jul 30 2015	13:23:52.0	6.81	-73.12	144	2.1	0.4	139	17	LOS SANTOS (SANTANDER)
845	Jul 30 2015	15:37:11.7	5.80	-73.87	101	1.5	0.3	165	8	ALBANIA (SANTANDER)
846	Jul 30 2015	15:49: 1.1	8.22	-77.49	Sup	2.5	0.6	144	10	FRONTERA CON PANAMA
847	Jul 30 2015	17:02:25.8	6.00	-73.69	111	1.9	0.4	145	16	VELEZ (SANTANDER)
848	Jul 30 2015	17:30:24.1	3.43	-76.35	26	2.2	0.5	101	30	CANDELARIA (VALLE)
849	Jul 30 2015	17:42:43.3	5.70	-76.66	11	1.8	0.4	210	14	QUIBDO (CHOCO)
850	Jul 30 2015	18:31:38.4	6.77	-73.10	143	1.8	0.2	143	12	LOS SANTOS (SANTANDER)
851	Jul 30 2015	19:01: 1.0	8.16	-75.17	16	2.8	0.5	78	36	AYAPEL (CORDOBA)
852	Jul 30 2015	19:43:58.6	7.11	-76.18	Sup	1.5	0.4	211	10	DABEIBA (ANTIOQUIA)
853	Jul 30 2015	20:07:25.9	6.81	-73.06	144	1.9	0.4	146	14	LOS SANTOS (SANTANDER)
854	Jul 30 2015	20:48: 4.9	5.23	-73.35	Sup	1.6	0.5	174	7	CHINAVITA (BOYACA)
855	Jul 30 2015	21:52:55.9	8.16	-77.27	Sup	2.0	0.4	90	16	FRONTERA CON PANAMA
856	Jul 30 2015	22:11:19.1	7.15	-77.40	33	3.3	0.6	88	67	JURADO (CHOCO)
857	Jul 30 2015	22:47:16.1	4.66	-76.31	101	1.2	0.5	186	9	EL CAIRO (VALLE)
858	Jul 30 2015	23:31:42.3	5.68	-74.20	90	1.6	0.3	146	16	OTANCHE (BOYACA)
859	Jul 31 2015	00:51:49.1	5.71	-75.90	42	1.9	0.5	119	19	ANDES (ANTIOQUIA)
860	Jul 31 2015	02:46:52.5	6.85	-73.64	98	1.9	0.4	136	12	EL CARMEN (SANTANDER)
861	Jul 31 2015	04:29:50.4	6.81	-73.05	142	1.5	0.3	247	12	LOS SANTOS (SANTANDER)
862	Jul 31 2015	05:28:26.1	6.77	-73.12	150	1.4	0.2	238	7	LOS SANTOS (SANTANDER)
863	Jul 31 2015	05:37:40.4	6.40	-76.19	Sup	1.9	0.5	175	17	URRAO (ANTIOQUIA)
864	Jul 31 2015	05:41: 8.6	2.11	-75.56	17	1.4	0.3	202	8	GARZON (HUILA)
865	Jul 31 2015	06:06:23.1	7.54	-72.97	152	1.6	0.1	210	8	SURATA (SANTANDER)
866	Jul 31 2015	06:17:30.9	6.86	-72.96	142	1.2	0.2	259	8	GUACA (SANTANDER)
867	Jul 31 2015	06:21:50.0	7.66	-77.56	Sup	2.1	0.5	128	7	FRONTERA CON PANAMA
868	Jul 31 2015	06:42: 8.4	6.77	-73.01	146	1.4	0.3	250	8	CEPITA (SANTANDER)
869	Jul 31 2015	06:44: 9.2	6.75	-73.12	143	1.2	0.4	236	7	LOS SANTOS (SANTANDER)
870	Jul 31 2015	07:27:21.7	6.75	-73.13	138	1.8	0.4	184	14	LOS SANTOS (SANTANDER)
871	Jul 31 2015	07:44:22.6	6.78	-73.18	145	2.3	0.4	179	24	LOS SANTOS (SANTANDER)
872	Jul 31 2015	08:51: 6.1	5.26	-77.48	20	2.6	0.5	191	27	O. PACIFICO CENTRO
873	Jul 31 2015	09:02:42.2	3.13	-76.80	79	1.7	0.5	175	10	BUENOS AIRES (CAUCA)
874	Jul 31 2015	09:11:56.0	8.20	-77.47	13	2.3	0.4	177	10	FRONTERA CON PANAMA
875	Jul 31 2015	10:18:21.5	5.90	-74.31	10	1.3	0.3	294	7	OTANCHE (BOYACA)
876	Jul 31 2015	11:13:52.7	6.49	-73.35	129	1.9	0.1	212	6	SIMACOTA (SANTANDER)
877	Jul 31 2015	11:58:11.6	6.85	-73.09	145	2.6	0.6	72	31	LOS SANTOS (SANTANDER)
878	Jul 31 2015	12:32:17.4	6.13	-76.03	30	1.6	0.5	157	10	BETULIA (ANTIOQUIA)
879	Jul 31 2015	12:57:39.3	7.71	-77.54	Sup	2.1	0.6	125	8	FRONTERA CON PANAMA
880	Jul 31 2015	13:37:51.2	2.82	-77.88	10	2.4	0.6	235	21	O. PACIFICO SUR
881	Jul 31 2015	13:43:38.0	4.33	-76.01	23	1.7	0.5	104	14	ZARZAL (VALLE)
882	Jul 31 2015	13:56: 7.8	3.89	-76.30	70	1.5	0.3	188	7	BUGA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
883	Jul 31 2015	15:32:22.3	6.78	-77.03	20	3.5	0.7	64	0	VIGIA DEL FUERTE (ANTIOQUIA)
884	Jul 31 2015	15:32:22.3	6.78	-77.03	20	3.5	0.7	64	51	VIGIA DEL FUERTE (ANTIOQUIA)
885	Jul 31 2015	17:29:38.6	5.86	-74.83	Sup	1.4	0.5	250	12	PUERTO TRIUNFO (ANTIOQUIA)
886	Jul 31 2015	17:59:12.3	5.29	-73.74	145	3.1	0.5	118	0	LENGUAZAQUE (CUNDINAMARCA)
887	Jul 31 2015	17:59:12.3	5.29	-73.74	145	3.1	0.5	118	54	LENGUAZAQUE (CUNDINAMARCA)
888	Jul 31 2015	19:15:24.0	5.80	-75.98	64	1.4	0.2	142	8	BETANIA (ANTIOQUIA)
889	Jul 31 2015	20:47:43.8	6.72	-73.16	147	1.8	0.5	198	11	VILLANUEVA (SANTANDER)
890	Jul 31 2015	22:39:11.5	9.90	-72.97	25	2.0	0.6	196	12	FRONTERA CON VENEZUELA
891	Jul 31 2015	23:13:28.3	4.99	-76.63	28	1.9	0.5	239	16	NOVITA (CHOCO)
892	Ago 1 2015	00:09:19.3	6.80	-73.11	144	1.9	0.4	140	16	LOS SANTOS (SANTANDER)
893	Ago 1 2015	01:01: 7.0	7.46	-73.19	131	1.6	0.3	131	10	EL PLAYON (SANTANDER)
894	Ago 1 2015	01:05:42.8	3.52	-74.46	Sup	1.9	0.4	103	17	URIBE (META)
895	Ago 1 2015	01:53:52.5	6.84	-73.07	130	1.6	0.4	248	10	LOS SANTOS (SANTANDER)
896	Ago 1 2015	02:28:56.9	8.29	-77.73	Sup	2.4	0.5	109	12	FRONTERA CON PANAMA
897	Ago 1 2015	02:51:26.1	6.82	-73.11	144	1.7	0.4	204	18	LOS SANTOS (SANTANDER)
898	Ago 1 2015	03:41:39.2	6.80	-73.11	143	1.8	0.5	204	16	LOS SANTOS (SANTANDER)
899	Ago 1 2015	03:58: 6.1	6.83	-73.11	137	2.1	0.4	187	26	LOS SANTOS (SANTANDER)
900	Ago 1 2015	04:00:23.2	5.50	-72.43	Sup	1.6	0.5	226	10	PAYA (BOYACA)
901	Ago 1 2015	04:13: 7.9	7.25	-78.61	17	2.5	0.4	170	16	O. PACIFICO FRONTERA CON PANAMA
902	Ago 1 2015	05:01:54.1	6.82	-73.11	146	2.1	0.4	186	30	LOS SANTOS (SANTANDER)
903	Ago 1 2015	05:25:29.8	2.09	-76.09	Sup	1.2	0.4	178	9	SALADOBLANCO (HUILA)
904	Ago 1 2015	05:37:39.5	2.18	-76.10	Sup	1.9	0.4	171	11	LA ARGENTINA (HUILA)
905	Ago 1 2015	05:50:14.4	5.57	-76.41	Sup	1.6	0.5	191	19	LORO (CHOCO)
906	Ago 1 2015	06:26:40.1	8.50	-76.29	46	1.9	0.5	98	20	SAN PEDRO DE URABA (ANTIOQUIA)
907	Ago 1 2015	06:42: 7.0	6.79	-73.11	144	1.9	0.4	186	19	LOS SANTOS (SANTANDER)
908	Ago 1 2015	07:09:34.3	6.85	-73.07	137	2.1	0.4	190	33	LOS SANTOS (SANTANDER)
909	Ago 1 2015	07:23:57.6	5.24	-77.49	Sup	2.2	0.6	189	22	O. PACIFICO CENTRO
910	Ago 1 2015	07:33:13.9	6.77	-73.06	145	1.2	0.3	191	7	LOS SANTOS (SANTANDER)
911	Ago 1 2015	07:33:48.5	9.37	-76.59	77	2.1	0.3	204	10	MAR CARIBE
912	Ago 1 2015	07:53:12.4	6.74	-73.17	155	1.3	0.2	230	8	VILLANUEVA (SANTANDER)
913	Ago 1 2015	08:05:13.9	6.96	-74.19	74	1.6	0.2	125	11	YONDO (ANTIOQUIA)
914	Ago 1 2015	10:22:55.9	6.82	-73.14	140	2.6	0.6	70	0	LOS SANTOS (SANTANDER)
915	Ago 1 2015	10:22:55.9	6.82	-73.14	140	2.6	0.6	70	39	LOS SANTOS (SANTANDER)
916	Ago 1 2015	11:36:47.6	5.27	-73.75	141	2.2	0.6	130	27	CUCUNUBA (CUNDINAMARCA)
917	Ago 1 2015	12:19:15.8	5.48	-72.82	20	1.2	0.3	175	10	AQUITANIA (BOYACA)
918	Ago 1 2015	12:53:20.4	6.79	-73.17	144	2.5	0.5	70	0	LOS SANTOS (SANTANDER)
919	Ago 1 2015	12:53:20.4	6.79	-73.17	144	2.5	0.5	70	40	LOS SANTOS (SANTANDER)
920	Ago 1 2015	16:38: 4.6	7.04	-76.12	Sup	1.9	0.5	145	9	DABEIBA (ANTIOQUIA)
921	Ago 1 2015	17:26:38.8	8.17	-77.33	Sup	2.0	0.5	94	12	FRONTERA CON PANAMA
922	Ago 1 2015	19:03: 1.8	6.73	-76.69	16	1.6	0.2	267	7	VIGIA DEL FUERTE (ANTIOQUIA)
923	Ago 1 2015	22:35: 7.6	4.66	-76.19	121	1.3	0.3	148	12	VERSALLES (VALLE)
924	Ago 1 2015	23:01:30.2	8.21	-77.42	15	2.2	0.5	77	34	FRONTERA CON PANAMA
925	Ago 1 2015	23:15:21.4	2.81	-74.93	11	1.6	0.4	223	8	RIVERA (HUILA)
926	Ago 1 2015	23:54:25.8	3.90	-73.67	Sup	1.5	0.6	191	18	CASTILLA LA NUEVA (META)
927	Ago 2 2015	01:11:16.2	4.93	-76.01	115	1.3	0.2	214	8	EL AGUILA (VALLE)
928	Ago 2 2015	06:23:26.6	4.05	-76.72	98	1.5	0.5	167	8	CALIMA (VALLE)
929	Ago 2 2015	06:40:51.2	6.82	-73.10	146	1.7	0.4	188	17	LOS SANTOS (SANTANDER)
930	Ago 2 2015	07:32:51.8	3.92	-76.19	112	2.0	0.5	76	20	SAN PEDRO (VALLE)
931	Ago 2 2015	09:17:53.9	6.82	-73.09	143	2.2	0.4	188	26	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
932	Ago 2 2015	10:04:23.5	6.77	-73.14	151	2.0	0.5	200	24	LOS SANTOS (SANTANDER)
933	Ago 2 2015	10:39:35.9	4.75	-76.14	94	2.0	0.6	81	26	ARGELIA (VALLE)
934	Ago 2 2015	11:50:52.2	4.74	-76.27	97	1.6	0.2	174	12	EL CAIRO (VALLE)
935	Ago 2 2015	12:41:59.1	5.53	-75.63	95	1.6	0.5	85	16	CARAMANTA (ANTIOQUIA)
936	Ago 2 2015	13:43:51.4	8.07	-74.62	16	2.3	0.6	54	34	NECHI (ANTIOQUIA)
937	Ago 2 2015	16:21: 7.5	3.13	-76.48	120	1.5	0.2	169	10	VILLA RICA (CAUCA)
938	Ago 2 2015	16:31:55.6	6.81	-73.11	145	2.8	0.5	72	0	LOS SANTOS (SANTANDER)
939	Ago 2 2015	16:31:55.6	6.81	-73.11	145	2.8	0.5	72	56	LOS SANTOS (SANTANDER)
940	Ago 2 2015	17:42:38.6	8.21	-77.33	18	2.7	0.6	92	12	FRONTERA CON PANAMA
941	Ago 2 2015	18:02:56.6	6.74	-73.12	135	1.3	0.4	141	7	LOS SANTOS (SANTANDER)
942	Ago 2 2015	18:28: 6.3	2.39	-75.69	8	1.7	0.4	127	14	TESALIA (HUILA)
943	Ago 2 2015	18:46:23.6	6.80	-73.13	136	1.8	0.4	137	17	LOS SANTOS (SANTANDER)
944	Ago 2 2015	20:28:38.0	6.79	-73.14	138	2.2	0.4	138	32	LOS SANTOS (SANTANDER)
945	Ago 2 2015	23:42:16.4	6.54	-73.50	114	2.0	0.4	66	33	EL CARMEN (SANTANDER)
946	Ago 2 2015	23:56:13.2	6.78	-73.11	151	2.0	0.5	141	22	LOS SANTOS (SANTANDER)
947	Ago 3 2015	02:23:54.0	2.06	-76.06	Sup	1.4	0.2	199	8	SALADOBLANCO (HUILA)
948	Ago 3 2015	03:44:14.3	8.23	-77.26	Sup	1.8	0.5	154	12	UNGUIA (CHOCO)
949	Ago 3 2015	04:08:35.2	7.89	-73.05	18	1.6	0.4	223	10	VILLA CARO (N.SANTANDER)
950	Ago 3 2015	04:09: 7.9	4.77	-75.97	117	1.2	0.4	174	8	ANSERMANUEVO (VALLE)
951	Ago 3 2015	05:27:59.8	6.83	-73.09	142	2.0	0.4	188	33	LOS SANTOS (SANTANDER)
952	Ago 3 2015	06:49:46.5	6.82	-73.10	146	1.8	0.4	187	15	LOS SANTOS (SANTANDER)
953	Ago 3 2015	06:58:42.6	1.88	-77.38	16	2.0	0.4	139	21	LEIVA (NARINO)
954	Ago 3 2015	07:11:17.1	6.22	-73.64	110	1.6	0.4	106	23	LA PAZ (SANTANDER)
955	Ago 3 2015	07:15:22.7	6.81	-73.09	148	1.7	0.5	189	24	LOS SANTOS (SANTANDER)
956	Ago 3 2015	07:20:30.8	6.84	-73.07	149	1.6	0.4	191	15	LOS SANTOS (SANTANDER)
957	Ago 3 2015	09:22:15.6	6.87	-73.27	123	3.4	0.5	50	73	BETULIA (SANTANDER)
958	Ago 3 2015	09:33:59.1	8.20	-77.29	Sup	2.1	0.4	90	12	FRONTERA CON PANAMA
959	Ago 3 2015	10:17:27.9	3.87	-73.96	36	1.5	0.4	128	14	CUBARRAL (META)
960	Ago 3 2015	10:34:46.3	8.92	-73.86	74	1.4	0.4	194	10	TAMALAMEQUE (CESAR)
961	Ago 3 2015	11:50:17.6	6.78	-73.08	145	2.3	0.5	189	24	LOS SANTOS (SANTANDER)
962	Ago 3 2015	11:53:42.9	6.78	-73.09	151	2.0	0.4	241	11	LOS SANTOS (SANTANDER)
963	Ago 3 2015	15:56:12.0	3.38	-74.71	Sup	1.4	0.4	266	14	COLOMBIA (HUILA)
964	Ago 3 2015	16:21:26.5	5.29	-77.51	Sup	2.1	0.4	257	14	O. PACIFICO CENTRO
965	Ago 3 2015	17:58:58.9	7.04	-76.98	24	2.4	0.1	185	8	MURINDO (ANTIOQUIA)
966	Ago 3 2015	20:31:38.4	6.83	-73.16	145	1.8	0.3	239	8	LOS SANTOS (SANTANDER)
967	Ago 3 2015	20:38:28.1	6.90	-76.66	Sup	2.3	0.6	78	27	MURINDO (ANTIOQUIA)
968	Ago 3 2015	20:55:15.6	2.09	-76.06	Sup	1.9	0.4	178	14	SALADOBLANCO (HUILA)
969	Ago 3 2015	22:45:44.2	6.94	-76.57	8	1.7	0.1	260	9	MURINDO (ANTIOQUIA)
970	Ago 3 2015	23:15: 2.8	6.79	-73.14	135	2.0	0.5	137	11	LOS SANTOS (SANTANDER)
971	Ago 3 2015	23:28:38.1	5.86	-74.83	Sup	1.5	0.5	188	12	PUERTO TRIUNFO (ANTIOQUIA)
972	Ago 4 2015	00:30:15.5	6.82	-73.13	146	2.9	0.5	71	59	LOS SANTOS (SANTANDER)
973	Ago 4 2015	04:03:58.2	6.87	-73.29	125	2.4	0.4	107	36	BETULIA (SANTANDER)
974	Ago 4 2015	04:49:41.3	4.49	-78.24	14	1.8	0.3	320	9	O. PACIFICO SUR
975	Ago 4 2015	05:20:60.0	11.08	-74.80	24	1.8	0.4	244	12	CANDELARIA (ATLANTICO)
976	Ago 4 2015	05:37:24.0	6.92	-76.74	10	1.4	0.6	270	11	MURINDO (ANTIOQUIA)
977	Ago 4 2015	09:33:22.5	7.29	-75.25	21	1.2	0.3	191	10	VALDIVIA (ANTIOQUIA)
978	Ago 4 2015	11:28:52.2	6.78	-73.09	146	1.9	0.4	205	15	LOS SANTOS (SANTANDER)
979	Ago 4 2015	12:45:26.9	8.06	-73.24	130	1.9	0.4	202	10	ABREGO (N.SANTANDER)
980	Ago 4 2015	15:55:47.5	6.81	-73.12	151	4.0	0.4	53	0	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
981	Ago 4 2015	15:55:47.5	6.81	-73.12	151	4.0	0.4	53	86	LOS SANTOS (SANTANDER)
982	Ago 4 2015	16:28:55.3	9.06	-77.92	26	2.8	0.4	160	24	FRONTERA CON PANAMA
983	Ago 4 2015	16:49:24.0	4.74	-76.14	94	1.5	0.4	126	8	ARGELIA (VALLE)
984	Ago 4 2015	17:34:26.9	2.64	-79.90	32	2.4	0.4	124	15	O. PACIFICO SUR
985	Ago 4 2015	18:36:37.5	6.81	-73.15	144	2.1	0.4	135	20	LOS SANTOS (SANTANDER)
986	Ago 4 2015	20:17:41.6	2.05	-76.05	Sup	1.1	0.2	201	8	SALADOBLANCO (HUILA)
987	Ago 4 2015	21:12:10.5	4.82	-76.29	95	1.3	0.3	183	10	EL CAIRO (VALLE)
988	Ago 4 2015	22:44:53.7	7.51	-74.65	40	2.7	0.5	63	0	EL BAGRE (ANTIOQUIA)
989	Ago 4 2015	22:44:53.7	7.51	-74.65	40	2.7	0.5	63	27	EL BAGRE (ANTIOQUIA)
990	Ago 4 2015	22:55:29.0	6.28	-74.09	Sup	1.6	0.5	116	14	CIMITARRA (SANTANDER)
991	Ago 4 2015	23:44:48.1	11.07	-73.75	21	2.1	0.3	172	9	PUEBLO BELLO (CESAR)
992	Ago 5 2015	00:15:36.6	4.02	-75.65	Sup	1.7	0.5	75	16	RONCESVALLES (TOLIMA)
993	Ago 5 2015	03:33:55.3	6.81	-73.11	151	3.0	0.5	95	54	LOS SANTOS (SANTANDER)
994	Ago 5 2015	03:42:44.6	5.92	-76.04	47	1.2	0.3	229	8	SALGAR (ANTIOQUIA)
995	Ago 5 2015	03:47:32.6	6.70	-76.57	Sup	1.2	0.2	258	7	MURINDO (ANTIOQUIA)
996	Ago 5 2015	04:00:46.1	4.97	-76.05	108	1.5	0.4	110	22	LA CELIA (RISARALDA)
997	Ago 5 2015	05:01:23.1	6.79	-73.14	146	1.6	0.4	200	10	LOS SANTOS (SANTANDER)
998	Ago 5 2015	05:29:36.1	6.82	-73.07	143	2.1	0.5	190	28	LOS SANTOS (SANTANDER)
999	Ago 5 2015	05:38:42.5	7.40	-73.25	119	2.1	0.5	178	27	EL PLAYON (SANTANDER)
1000	Ago 5 2015	05:43:27.1	3.76	-77.00	22	2.0	0.6	100	26	BUENAVENTURA (VALLE)
1001	Ago 5 2015	05:53: 7.2	10.28	-72.78	8	2.1	0.6	202	16	FRONTERA CON VENEZUELA
1002	Ago 5 2015	06:39:38.9	4.41	-76.23	114	1.5	0.4	161	14	ROLDANILLO (VALLE)
1003	Ago 5 2015	06:49:13.5	3.97	-76.96	Sup	1.5	0.5	187	8	BUENAVENTURA (VALLE)
1004	Ago 5 2015	07:43:24.3	6.84	-73.10	156	3.3	0.6	84	70	LOS SANTOS (SANTANDER)
1005	Ago 5 2015	09:26: 6.8	8.22	-77.20	6	1.7	0.4	199	9	UNGUIA (CHOCO)
1006	Ago 5 2015	10:12:58.2	8.21	-77.46	14	2.0	0.1	176	9	FRONTERA CON PANAMA
1007	Ago 5 2015	11:19:42.5	7.26	-72.74	119	1.7	0.3	244	7	MUTISCUA (N.SANTANDER)
1008	Ago 5 2015	11:41:16.6	8.62	-73.51	89	1.9	0.2	138	12	EL CARMEN (N.SANTANDER)
1009	Ago 5 2015	11:51:11.8	6.78	-73.11	148	1.8	0.4	262	8	LOS SANTOS (SANTANDER)
1010	Ago 5 2015	11:55:41.8	4.85	-75.56	17	0.9	0.4	117	9	SANTA ROSA DE CABAL (RISARALDA)
1011	Ago 5 2015	11:59:41.4	4.70	-77.56	46	1.6	0.3	236	8	O. PACIFICO CENTRO
1012	Ago 5 2015	12:22:54.4	5.27	-73.72	145	2.2	0.5	78	30	LENGUAZAUQUE (CUNDINAMARCA)
1013	Ago 5 2015	12:59: 0.3	5.78	-76.70	17	1.8	0.3	213	13	QUIBDO (CHOCO)
1014	Ago 5 2015	13:20:28.2	1.99	-75.98	22	1.8	0.1	202	10	ELIAS (HUILA)
1015	Ago 5 2015	13:53: 2.0	3.73	-76.99	27	2.4	0.5	121	16	BUENAVENTURA (VALLE)
1016	Ago 5 2015	15:45:34.6	6.81	-73.10	143	2.1	0.4	224	11	LOS SANTOS (SANTANDER)
1017	Ago 5 2015	16:42:59.3	6.78	-73.12	138	2.1	0.4	141	19	LOS SANTOS (SANTANDER)
1018	Ago 5 2015	17:17:16.8	6.81	-73.12	147	2.1	0.4	185	15	LOS SANTOS (SANTANDER)
1019	Ago 5 2015	17:26:48.8	7.09	-75.53	59	1.7	0.3	120	7	BRICENO (ANTIOQUIA)
1020	Ago 5 2015	20:05:44.4	6.72	-73.11	136	1.6	0.3	144	9	JORDAN (SANTANDER)
1021	Ago 5 2015	20:18:11.2	3.72	-76.02	132	1.2	0.3	170	9	GINEBRA (VALLE)
1022	Ago 5 2015	20:23:33.6	3.78	-77.00	27	2.5	0.6	117	29	BUENAVENTURA (VALLE)
1023	Ago 5 2015	20:37:37.9	4.03	-78.13	21	2.4	0.6	291	12	O. PACIFICO CENTRO
1024	Ago 5 2015	21:29:26.6	3.06	-74.73	15	1.7	0.2	281	6	COLOMBIA (HUILA)
1025	Ago 5 2015	22:43:14.2	6.81	-73.13	141	3.4	0.5	71	0	LOS SANTOS (SANTANDER)
1026	Ago 5 2015	22:43:14.2	6.81	-73.13	141	3.4	0.5	71	69	LOS SANTOS (SANTANDER)
1027	Ago 5 2015	23:14:54.1	6.81	-73.13	142	2.3	0.6	71	26	LOS SANTOS (SANTANDER)
1028	Ago 5 2015	23:51: 6.8	4.44	-76.22	101	1.7	0.4	104	13	EL DOVIO (VALLE)
1029	Ago 6 2015	01:42:50.4	6.94	-76.24	9	1.5	0.3	218	10	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1030	Ago 6 2015	02:22:40.0	6.53	-73.48	115	1.5	0.2	259	8	EL CARMEN (SANTANDER)
1031	Ago 6 2015	03:34:26.1	7.91	-74.98	19	1.6	0.5	84	14	CAUCASIA (ANTIOQUIA)
1032	Ago 6 2015	04:58:17.0	6.90	-76.21	Sup	1.5	0.4	196	10	URAMITA (ANTIOQUIA)
1033	Ago 6 2015	05:12:15.5	2.64	-75.72	10	1.4	0.2	159	9	IQUIRA (HUILA)
1034	Ago 6 2015	05:36:21.4	7.14	-76.02	Sup	1.1	0.3	199	7	PEQUE (ANTIOQUIA)
1035	Ago 6 2015	05:44:52.1	6.79	-73.06	154	1.4	0.4	191	10	LOS SANTOS (SANTANDER)
1036	Ago 6 2015	06:29: 9.4	5.23	-73.69	152	1.9	0.4	80	33	CUCUNUBA (CUNDINAMARCA)
1037	Ago 6 2015	07:07:56.5	6.92	-72.83	137	1.3	0.3	260	7	GUACA (SANTANDER)
1038	Ago 6 2015	07:17:43.0	6.82	-73.11	146	2.6	0.5	95	52	LOS SANTOS (SANTANDER)
1039	Ago 6 2015	08:24:56.1	6.81	-73.14	146	2.3	0.5	183	37	LOS SANTOS (SANTANDER)
1040	Ago 6 2015	08:52:36.8	5.49	-73.94	115	1.5	0.3	101	23	BUENAVISTA (BOYACA)
1041	Ago 6 2015	09:23:16.7	6.81	-73.07	151	2.0	0.4	190	24	LOS SANTOS (SANTANDER)
1042	Ago 6 2015	09:49:56.6	6.79	-72.99	149	1.9	0.4	211	20	CEPITA (SANTANDER)
1043	Ago 6 2015	10:22:15.4	6.82	-72.11	Sup	1.9	0.5	76	20	CUBARA (BOYACA)
1044	Ago 6 2015	10:28:53.9	10.36	-73.72	46	2.1	0.3	103	12	PUEBLO BELLO (CESAR)
1045	Ago 6 2015	10:49:55.3	2.47	-75.52	21	1.6	0.5	162	7	GIGANTE (HUILA)
1046	Ago 6 2015	13:15:33.7	2.99	-74.69	9	1.7	0.5	156	7	BARAYA (HUILA)
1047	Ago 6 2015	14:14: 0.5	6.08	-72.51	18	1.7	0.6	104	8	JERICO (BOYACA)
1048	Ago 6 2015	16:09: 4.1	6.81	-73.11	147	1.9	0.4	139	14	LOS SANTOS (SANTANDER)
1049	Ago 6 2015	21:41:41.7	6.82	-73.15	148	3.9	0.6	70	0	LOS SANTOS (SANTANDER)
1050	Ago 6 2015	21:41:41.7	6.82	-73.15	148	3.9	0.6	70	90	LOS SANTOS (SANTANDER)
1051	Ago 6 2015	23:56: 1.6	6.51	-73.52	110	2.0	0.5	90	18	EL CARMEN (SANTANDER)
1052	Ago 7 2015	00:07:36.4	5.86	-74.41	67	1.7	0.3	92	17	PUERTO BOYACA (BOYACA)
1053	Ago 7 2015	02:26:13.3	10.88	-74.16	Sup	2.0	0.2	124	12	PIVIJAY (MAGDALENA)
1054	Ago 7 2015	02:44: 9.4	5.93	-76.87	15	1.7	0.1	204	7	MEDIO ATRATO (CHOCO)
1055	Ago 7 2015	04:24:34.4	8.16	-72.09	Sup	2.3	0.5	210	10	FRONTERA CON VENEZUELA
1056	Ago 7 2015	04:29:21.3	6.60	-73.38	122	1.4	0.1	171	7	HATO (SANTANDER)
1057	Ago 7 2015	04:30:28.8	5.27	-73.74	147	3.0	0.4	130	50	CUCUNUBA (CUNDINAMARCA)
1058	Ago 7 2015	05:02:12.6	6.85	-72.97	142	1.8	0.4	200	15	CEPITA (SANTANDER)
1059	Ago 7 2015	06:08:11.8	3.67	-74.13	Sup	2.1	0.5	81	28	LEJANIAS (META)
1060	Ago 7 2015	07:19:50.5	3.69	-74.13	Sup	1.8	0.5	99	12	LEJANIAS (META)
1061	Ago 7 2015	07:55:17.4	6.80	-73.09	147	1.8	0.3	205	12	LOS SANTOS (SANTANDER)
1062	Ago 7 2015	08:20: 9.5	7.74	-73.71	40	1.8	0.5	117	18	SIMITI (BOLIVAR)
1063	Ago 7 2015	09:20:55.8	6.50	-77.35	12	2.3	0.5	135	8	O. PACIFICO NORTE
1064	Ago 7 2015	10:15: 9.1	8.89	-77.88	64	1.6	0.3	151	11	FRONTERA CON PANAMA
1065	Ago 7 2015	10:34:37.7	5.11	-75.73	116	2.0	0.5	90	32	RISARALDA (CALDAS)
1066	Ago 7 2015	10:37:39.3	1.52	-78.16	69	1.7	0.3	124	10	BARBACOAS (NARINO)
1067	Ago 7 2015	10:52:53.2	4.67	-73.12	Sup	2.2	0.4	114	17	SAN LUIS DE GACENO (BOYACA)
1068	Ago 7 2015	11:11:46.1	10.83	-73.61	66	2.3	0.3	137	8	PUEBLO BELLO (CESAR)
1069	Ago 7 2015	11:12:17.2	6.52	-73.50	110	2.1	0.4	72	29	EL CARMEN (SANTANDER)
1070	Ago 7 2015	12:07: 6.0	6.77	-73.07	140	2.0	0.4	207	22	LOS SANTOS (SANTANDER)
1071	Ago 7 2015	14:13: 2.2	6.81	-73.10	144	2.0	0.4	141	15	LOS SANTOS (SANTANDER)
1072	Ago 7 2015	15:18:15.9	1.88	-76.10	Sup	1.6	0.2	213	11	PITALITO (HUILA)
1073	Ago 7 2015	15:54: 6.8	3.75	-73.95	32	1.9	0.5	162	20	CUBARRAL (META)
1074	Ago 7 2015	16:40:22.7	4.80	-76.16	101	1.6	0.1	119	8	EL CAIRO (VALLE)
1075	Ago 7 2015	17:18:39.6	6.56	-73.43	117	2.1	0.4	71	22	HATO (SANTANDER)
1076	Ago 7 2015	21:09:45.3	6.77	-73.10	142	1.5	0.1	143	8	LOS SANTOS (SANTANDER)
1077	Ago 7 2015	21:31:51.7	6.75	-73.09	141	1.3	0.2	146	7	LOS SANTOS (SANTANDER)
1078	Ago 7 2015	22:02:18.9	6.79	-73.11	143	1.6	0.2	141	8	LOS SANTOS (SANTANDER)
1079	Ago 7 2015	22:58:46.5	8.17	-77.33	Sup	2.5	0.6	139	8	FRONTERA CON PANAMA

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1080	Ago 7 2015	23:20:55.8	8.19	-74.23	60	1.7	0.1	154	8	MONTECRISTO (BOLIVAR)
1081	Ago 7 2015	23:28:46.6	5.94	-78.24	59	2.2	0.2	225	9	O. PACIFICO NORTE
1082	Ago 7 2015	23:34:46.6	6.82	-73.12	143	2.2	0.6	138	25	LOS SANTOS (SANTANDER)
1083	Ago 7 2015	23:42:19.2	4.78	-76.13	95	1.3	0.4	115	8	ARGELIA (VALLE)
1084	Ago 8 2015	00:56:23.5	7.73	-74.32	26	1.9	0.4	65	21	SANTA ROSA DEL SUR (BOLIVAR)
1085	Ago 8 2015	01:22:44.3	2.10	-75.76	Sup	1.4	0.3	193	10	ALTAMIRA (HUILA)
1086	Ago 8 2015	01:25:27.9	7.14	-77.96	11	2.6	0.4	209	11	O. PACIFICO NORTE
1087	Ago 8 2015	01:50:16.7	6.81	-73.08	143	1.9	0.4	143	17	LOS SANTOS (SANTANDER)
1088	Ago 8 2015	02:51: 7.7	6.81	-73.11	147	2.4	0.5	121	37	LOS SANTOS (SANTANDER)
1089	Ago 8 2015	02:59:39.3	6.76	-76.66	Sup	1.9	0.4	120	16	MURINDO (ANTIOQUIA)
1090	Ago 8 2015	03:43:58.0	5.30	-73.78	150	1.9	0.4	177	20	UBATE (CUNDINAMARCA)
1091	Ago 8 2015	04:33:11.1	4.12	-75.16	20	2.0	0.4	209	10	SAN LUIS (TOLIMA)
1092	Ago 8 2015	05:21:36.6	5.71	-75.97	47	1.4	0.5	145	9	BETANIA (ANTIOQUIA)
1093	Ago 8 2015	06:40:28.5	7.41	-78.02	Sup	2.3	0.5	208	10	FRONTERA CON PANAMA
1094	Ago 8 2015	07:06:53.4	5.49	-76.08	56	1.3	0.1	174	8	ANDES (ANTIOQUIA)
1095	Ago 8 2015	07:13:55.1	6.54	-73.50	114	2.8	0.5	54	55	EL CARMEN (SANTANDER)
1096	Ago 8 2015	07:39:35.8	2.01	-77.16	117	1.6	0.3	193	8	BALBOA (CAUCA)
1097	Ago 8 2015	11:04:26.6	6.82	-73.05	146	1.6	0.4	193	13	LOS SANTOS (SANTANDER)
1098	Ago 8 2015	12:28:39.9	5.26	-73.74	141	2.2	0.4	77	24	CUCUNUBA (CUNDINAMARCA)
1099	Ago 8 2015	12:54:52.5	5.09	-78.08	39	2.5	0.3	285	13	O. PACIFICO CENTRO
1100	Ago 8 2015	16:23:24.5	8.75	-73.55	94	1.8	0.4	154	10	PELAYA (CESAR)
<u>1101</u>	<u>Ago 8 2015</u>	<u>16:54:41.8</u>	<u>5.15</u>	<u>-73.02</u>	<u>Sup</u>	<u>4.0</u>	<u>0.4</u>	<u>75</u>	<u>0</u>	<u>PAEZ (BOYACA)</u>
<u>1102</u>	<u>Ago 8 2015</u>	<u>16:54:41.8</u>	<u>5.15</u>	<u>-73.02</u>	<u>0</u>	<u>4.0</u>	<u>0.4</u>	<u>75</u>	<u>61</u>	<u>PAEZ (BOYACA)</u>
1103	Ago 8 2015	19:14:21.5	6.27	-76.11	18	2.2	0.4	165	17	URRAO (ANTIOQUIA)
1104	Ago 8 2015	20:19:34.0	6.79	-73.19	144	2.0	0.5	131	19	ZAPATOCA (SANTANDER)
1105	Ago 8 2015	20:54:34.4	6.79	-73.16	147	2.4	0.5	70	30	LOS SANTOS (SANTANDER)
1106	Ago 8 2015	22:06:44.2	1.94	-76.03	Sup	1.2	0.1	182	9	SALADOBLANCO (HUILA)
1107	Ago 8 2015	22:13:43.7	11.59	-72.43	16	2.0	0.2	180	7	MANAURE BALCON CESAR (CESAR)
1108	Ago 8 2015	23:45:21.9	5.80	-75.89	57	1.1	0.2	104	7	HISPANIA (ANTIOQUIA)
1109	Ago 9 2015	00:48:10.5	5.90	-73.63	120	1.7	0.3	93	17	BARBOSA (SANTANDER)
1110	Ago 9 2015	02:01: 8.6	6.83	-73.10	150	2.6	0.5	140	47	LOS SANTOS (SANTANDER)
1111	Ago 9 2015	03:17:17.1	3.60	-74.14	12	1.4	0.1	244	6	LEJANIAS (META)
1112	Ago 9 2015	04:53: 9.3	4.80	-75.92	63	1.4	0.5	79	17	CARTAGO (VALLE)
1113	Ago 9 2015	05:24:22.6	1.55	-76.36	Sup	1.0	0.4	160	9	SANTA ROSA (CAUCA)
1114	Ago 9 2015	05:24:36.9	7.78	-75.19	22	1.2	0.2	156	7	CAUCASIA (ANTIOQUIA)
1115	Ago 9 2015	05:26:27.7	6.86	-73.29	120	1.9	0.5	158	28	BETULIA (SANTANDER)
1116	Ago 9 2015	06:18:23.0	1.35	-79.47	112	2.6	0.5	186	21	O. PACIFICO FRONTERA CON ECUADOR
1117	Ago 9 2015	06:20:29.3	6.80	-72.91	144	1.9	0.5	206	12	SAN ANDRES (SANTANDER)
1118	Ago 9 2015	06:22:37.6	6.79	-73.14	148	1.6	0.3	183	11	LOS SANTOS (SANTANDER)
1119	Ago 9 2015	06:53:14.2	7.83	-73.47	104	1.8	0.5	145	21	SAN ALBERTO (CESAR)
1120	Ago 9 2015	07:00:14.6	6.83	-73.03	139	1.7	0.4	250	11	LOS SANTOS (SANTANDER)
1121	Ago 9 2015	07:01:54.1	6.79	-73.09	150	2.1	0.3	242	13	LOS SANTOS (SANTANDER)
1122	Ago 9 2015	07:02:56.1	5.42	-73.77	143	3.2	0.6	64	73	FUQUENE (CUNDINAMARCA)
1123	Ago 9 2015	07:29:56.0	6.88	-76.20	Sup	1.7	0.5	190	13	URAMITA (ANTIOQUIA)
1124	Ago 9 2015	08:23:58.3	0.28	-77.17	Sup	2.0	0.3	168	16	FRONTERA CON ECUADOR
1125	Ago 9 2015	08:47:50.4	6.85	-73.12	144	2.0	0.4	115	22	LOS SANTOS (SANTANDER)
1126	Ago 9 2015	08:47:50.7	6.85	-73.12	141	2.2	0.4	186	23	LOS SANTOS (SANTANDER)
1127	Ago 9 2015	09:42:21.3	6.82	-73.09	150	2.5	0.5	169	44	LOS SANTOS (SANTANDER)
1128	Ago 9 2015	10:14:21.8	6.78	-73.09	148	1.9	0.4	188	20	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1129	Ago 9 2015	10:22:33.3	5.70	-75.84	24	1.9	0.1	185	8	ANDES (ANTIOQUIA)
1130	Ago 9 2015	11:30:13.1	6.82	-73.11	144	2.0	0.4	186	19	LOS SANTOS (SANTANDER)
1131	Ago 9 2015	13:06:24.1	10.61	-75.07	18	2.2	0.4	229	12	MANATI (ATLANTICO)
1132	Ago 9 2015	14:21:15.0	4.05	-77.11	35	1.9	0.3	146	8	BUENAVENTURA (VALLE)
1133	Ago 9 2015	19:24:39.8	3.83	-71.41	Sup	2.7	0.5	232	20	PUERTO GAITAN (META)
<u>1134</u>	<u>Ago 9 2015</u>	<u>19:36:19.8</u>	<u>10.84</u>	<u>-72.18</u>	<u>114</u>	<u>5.0</u>	<u>0.5</u>	<u>129</u>	<u>0</u>	<u>FRONTERA CON VENEZUELA</u>
<u>1135</u>	<u>Ago 9 2015</u>	<u>19:36:19.8</u>	<u>10.84</u>	<u>-72.18</u>	<u>114</u>	<u>5.0</u>	<u>0.5</u>	<u>129</u>	<u>91</u>	<u>FRONTERA CON VENEZUELA</u>
1136	Ago 9 2015	20:00:57.2	2.37	-75.56	Sup	2.5	0.4	111	30	GIGANTE (HUILA)
1137	Ago 9 2015	20:11:41.2	6.05	-74.02	Sup	1.1	0.2	230	8	LA BELLEZA (SANTANDER)
1138	Ago 9 2015	20:16:53.8	3.84	-71.41	10	2.6	0.5	232	11	PUERTO GAITAN (META)
1139	Ago 9 2015	22:10:41.2	6.83	-73.15	142	2.4	0.5	134	38	LOS SANTOS (SANTANDER)
1140	Ago 9 2015	22:36:27.2	6.81	-73.14	144	2.6	0.6	71	42	LOS SANTOS (SANTANDER)
1141	Ago 9 2015	23:21:23.6	6.80	-73.14	148	2.0	0.3	137	22	LOS SANTOS (SANTANDER)
1142	Ago 9 2015	23:43:52.4	4.74	-76.14	97	2.1	0.4	81	33	ARGELIA (VALLE)
1143	Ago 10 2015	02:03:22.5	3.23	-74.52	13	1.5	0.2	165	9	URIBE (META)
1144	Ago 10 2015	02:13:22.6	6.86	-72.93	139	1.4	0.5	204	11	GUACA (SANTANDER)
1145	Ago 10 2015	02:30:50.1	7.25	-73.24	130	1.8	0.5	92	18	RIONEGRO (SANTANDER)
1146	Ago 10 2015	02:42:38.9	10.38	-75.64	20	2.0	0.3	328	8	MAR CARIBE
1147	Ago 10 2015	04:08:3.5	6.74	-73.05	141	1.2	0.3	151	7	JORDAN (SANTANDER)
1148	Ago 10 2015	04:12:13.4	6.81	-73.11	143	1.8	0.4	139	19	LOS SANTOS (SANTANDER)
1149	Ago 10 2015	08:43:9.9	6.83	-73.13	146	2.8	0.5	114	58	LOS SANTOS (SANTANDER)
1150	Ago 10 2015	08:49:32.0	6.83	-73.05	150	2.1	0.3	192	28	LOS SANTOS (SANTANDER)
1151	Ago 10 2015	16:02:12.3	6.81	-73.13	148	3.5	0.6	71	0	LOS SANTOS (SANTANDER)
1152	Ago 10 2015	16:02:12.3	6.81	-73.13	148	3.5	0.6	71	72	LOS SANTOS (SANTANDER)
<u>1153</u>	<u>Ago 10 2015</u>	<u>16:59:44.8</u>	<u>5.33</u>	<u>-72.69</u>	<u>Sup</u>	<u>3.8</u>	<u>0.6</u>	<u>114</u>	<u>0</u>	<u>PAJARITO (BOYACA)</u>
1154	Ago 10 2015	16:59:44.8	5.33	-72.69	0	3.8	0.6	114	60	PAJARITO (BOYACA)
1155	Ago 10 2015	17:28:49.4	5.26	-73.71	147	2.3	0.5	136	29	LENGUAZAUQUE (CUNDINAMARCA)
1156	Ago 10 2015	19:17:28.0	6.81	-73.17	140	3.9	0.5	69	0	LOS SANTOS (SANTANDER)
1157	Ago 10 2015	19:17:28.0	6.81	-73.17	140	3.9	0.5	69	83	LOS SANTOS (SANTANDER)
1158	Ago 10 2015	20:08:31.7	6.81	-73.16	139	2.9	0.4	70	47	LOS SANTOS (SANTANDER)
1159	Ago 10 2015	21:23:0.1	8.14	-77.36	37	2.5	0.6	109	26	FRONTERA CON PANAMA
1160	Ago 10 2015	21:28:12.2	7.12	-77.45	6	2.0	0.5	158	10	JURADO (CHOCO)
1161	Ago 10 2015	23:10:39.9	6.79	-73.15	137	2.6	0.4	71	39	LOS SANTOS (SANTANDER)
1162	Ago 10 2015	23:28:55.7	3.98	-76.22	114	1.6	0.2	177	8	SAN PEDRO (VALLE)
1163	Ago 11 2015	00:14:5.0	6.83	-73.11	144	2.7	0.5	138	41	LOS SANTOS (SANTANDER)
1164	Ago 11 2015	00:30:9.7	9.97	-73.93	23	1.5	0.4	242	8	BOSCONIA (CESAR)
1165	Ago 11 2015	00:30:40.2	7.54	-73.82	22	1.9	0.4	102	16	SAN PABLO (BOLIVAR)
1166	Ago 11 2015	01:06:18.3	11.03	-73.75	Sup	2.0	0.4	143	15	PUEBLO BELLO (CESAR)
1167	Ago 11 2015	01:28:1.6	2.36	-75.49	Sup	1.4	0.4	169	12	GIGANTE (HUILA)
1168	Ago 11 2015	01:35:23.0	7.61	-74.79	40	2.6	0.5	48	34	EL BAGRE (ANTIOQUIA)
1169	Ago 11 2015	02:46:42.7	3.68	-72.71	Sup	2.0	0.5	168	15	PUERTO LOPEZ (META)
1170	Ago 11 2015	03:32:43.1	9.71	-74.58	Sup	1.3	0.1	223	8	PLATO (MAGDALENA)
1171	Ago 11 2015	05:11:1.3	5.52	-73.33	Sup	2.1	0.5	103	32	TUNJA (BOYACA)
1172	Ago 11 2015	05:51:12.7	6.20	-77.62	15	2.2	0.5	215	14	O. PACIFICO NORTE
1173	Ago 11 2015	07:43:54.4	6.77	-73.03	155	2.1	0.5	171	24	CEPITA (SANTANDER)
1174	Ago 11 2015	08:07:44.0	4.41	-76.50	102	1.0	0.2	273	8	SIPI (CHOCO)
1175	Ago 11 2015	09:30:40.9	4.36	-76.94	82	2.3	0.4	119	31	SIPI (CHOCO)
1176	Ago 11 2015	09:50:3.0	8.32	-75.25	14	2.0	0.4	90	13	AYAPEL (CORDOBA)
1177	Ago 11 2015	10:05:6.7	7.03	-76.24	13	1.8	0.5	197	13	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1178	Ago 11 2015	11:25:49.3	6.81	-73.10	145	2.0	0.4	248	17	LOS SANTOS (SANTANDER)
1179	Ago 11 2015	11:59:49.6	2.00	-75.90	Sup	1.7	0.4	217	9	TIMANA (HUILA)
1180	Ago 11 2015	12:13:21.9	8.11	-77.40	Sup	2.4	0.6	109	13	FRONTERA CON PANAMA
1181	Ago 11 2015	13:21:54.8	6.89	-73.08	155	1.9	0.6	251	13	PIEDRECUESTA (SANTANDER)
1182	Ago 11 2015	13:24:41.8	6.52	-73.49	118	1.8	0.3	146	9	SIMACOTA (SANTANDER)
1183	Ago 11 2015	13:27:34.8	6.79	-73.18	143	2.2	0.5	184	17	ZAPATOCA (SANTANDER)
1184	Ago 11 2015	17:20:24.9	9.58	-73.67	104	2.2	0.4	182	9	EL PASO (CESAR)
1185	Ago 11 2015	17:20:58.3	6.23	-72.87	Sup	1.6	0.6	248	9	ONZAGA (SANTANDER)
1186	Ago 11 2015	19:34:32.0	9.68	-72.96	12	2.7	0.5	170	16	FRONTERA CON VENEZUELA
1187	Ago 11 2015	19:54: 9.9	7.07	-73.45	102	2.1	0.4	91	13	SAN VICENTE DE CHUCURI (SANTANDER)
1188	Ago 11 2015	20:31:51.7	11.03	-73.79	32	1.8	0.4	164	10	PUEBLO BELLO (CESAR)
1189	Ago 11 2015	20:31:58.5	12.57	-72.89	37	3.0	0.5	271	9	MAR CARIBE
1190	Ago 11 2015	21:28:28.5	6.84	-73.23	140	1.9	0.2	122	9	ZAPATOCA (SANTANDER)
1191	Ago 11 2015	21:55:48.8	6.75	-73.16	141	1.8	0.4	137	12	LOS SANTOS (SANTANDER)
1192	Ago 11 2015	22:01:45.7	4.95	-76.39	67	2.0	0.4	140	26	SAN JOSE DEL PALMAR (CHOCO)
1193	Ago 11 2015	23:03:59.7	10.30	-73.46	95	1.9	0.3	142	10	PUEBLO BELLO (CESAR)
1194	Ago 11 2015	23:26: 7.1	6.42	-73.92	20	1.6	0.4	115	12	CIMITARRA (SANTANDER)
1195	Ago 12 2015	00:34:50.4	9.93	-73.30	Sup	2.2	0.5	144	16	AGUSTIN CODAZZI (CESAR)
1196	Ago 12 2015	01:08: 1.9	3.34	-78.79	104	2.0	0.2	295	7	O. PACIFICO SUR
1197	Ago 12 2015	01:22:11.3	6.78	-73.12	146	2.0	0.4	140	19	LOS SANTOS (SANTANDER)
1198	Ago 12 2015	02:24: 8.2	2.77	-74.53	Sup	1.5	0.4	156	10	URIBE (META)
1199	Ago 12 2015	04:02:31.2	6.65	-77.08	58	2.2	0.4	90	25	BOJAYA (CHOCO)
1200	Ago 12 2015	05:08:34.4	5.24	-74.79	29	1.3	0.5	88	14	HONDA (TOLIMA)
1201	Ago 12 2015	05:46:24.8	10.93	-72.45	Sup	2.8	0.6	167	17	FRONTERA CON VENEZUELA
1202	Ago 12 2015	05:48:34.0	6.82	-73.12	146	2.1	0.4	185	28	LOS SANTOS (SANTANDER)
1203	Ago 12 2015	07:53:43.2	2.02	-75.98	6	2.8	0.5	86	38	OPORAPA (HUILA)
1204	Ago 12 2015	08:55:37.3	6.85	-73.14	144	2.9	0.5	115	47	LOS SANTOS (SANTANDER)
1205	Ago 12 2015	09:36:37.0	6.82	-73.14	143	3.3	0.5	112	0	LOS SANTOS (SANTANDER)
1206	Ago 12 2015	09:36:37.0	6.82	-73.14	143	3.3	0.5	112	69	LOS SANTOS (SANTANDER)
1207	Ago 12 2015	09:54:14.3	6.86	-76.20	23	1.6	0.4	187	8	URAMITA (ANTIOQUIA)
1208	Ago 12 2015	13:41:22.4	7.46	-73.22	132	2.5	0.5	110	29	EL PLAYON (SANTANDER)
1209	Ago 12 2015	16:34:44.2	2.04	-75.69	Sup	2.9	0.5	86	30	GUADALUPE (HUILA)
1210	Ago 12 2015	20:16:43.2	6.79	-73.14	149	4.1	0.4	68	0	LOS SANTOS (SANTANDER)
1211	Ago 12 2015	20:16:43.2	6.79	-73.14	149	4.1	0.4	68	77	LOS SANTOS (SANTANDER)
1212	Ago 13 2015	01:41:13.7	6.39	-73.63	103	1.6	0.4	142	15	SANTA HELENA DEL OPON (SANTANDER)
1213	Ago 13 2015	02:34:43.2	5.27	-73.75	153	2.1	0.5	76	23	CUCUNUBA (CUNDINAMARCA)
1214	Ago 13 2015	03:16:23.1	6.79	-73.10	145	1.9	0.5	187	14	LOS SANTOS (SANTANDER)
1215	Ago 13 2015	03:34:48.3	6.79	-73.09	144	2.1	0.4	114	38	LOS SANTOS (SANTANDER)
1216	Ago 13 2015	03:36:39.6	6.82	-73.12	145	2.6	0.4	114	48	LOS SANTOS (SANTANDER)
1217	Ago 13 2015	04:02: 5.5	7.95	-75.09	7	1.7	0.5	93	13	CAUCASIA (ANTIOQUIA)
1218	Ago 13 2015	05:55:41.2	4.77	-76.16	99	1.6	0.2	125	11	EL CAIRO (VALLE)
1219	Ago 13 2015	05:55:56.3	6.71	-73.10	135	1.4	0.3	270	7	JORDAN (SANTANDER)
1220	Ago 13 2015	05:58:35.9	6.77	-73.17	147	1.4	0.3	240	8	LOS SANTOS (SANTANDER)
1221	Ago 13 2015	06:21:14.9	6.04	-73.69	118	1.8	0.4	112	22	VELEZ (SANTANDER)
1222	Ago 13 2015	06:24: 5.8	9.91	-72.67	9	2.3	0.5	181	18	FRONTERA CON VENEZUELA
1223	Ago 13 2015	08:20:56.7	8.18	-77.32	31	2.2	0.5	113	29	FRONTERA CON PANAMA
1224	Ago 13 2015	08:54:34.9	2.53	-78.22	Sup	2.1	0.4	210	26	EL CHARCO (NARINO)
1225	Ago 13 2015	09:02:21.8	7.92	-73.13	158	2.2	0.5	212	27	VILLA CARO (N.SANTANDER)
1226	Ago 13 2015	09:41:48.3	7.08	-75.85	Sup	1.6	0.3	127	10	PEQUE (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1227	Ago 13 2015	09:42:21.2	6.78	-73.10	141	1.5	0.3	211	8	LOS SANTOS (SANTANDER)
1228	Ago 13 2015	10:54:42.0	6.79	-73.08	146	2.0	0.5	189	22	LOS SANTOS (SANTANDER)
1229	Ago 13 2015	11:17:59.0	6.82	-75.99	Sup	1.9	0.5	211	17	CANASGORDAS (ANTIOQUIA)
1230	Ago 13 2015	11:22:23.5	6.77	-73.10	145	2.5	0.5	187	25	LOS SANTOS (SANTANDER)
1231	Ago 13 2015	12:38:28.0	6.80	-73.16	143	2.6	0.5	133	38	LOS SANTOS (SANTANDER)
1232	Ago 13 2015	12:55:41.8	7.47	-73.42	109	2.3	0.3	93	17	SABANA DE TORRES (SANTANDER)
1233	Ago 13 2015	13:51:51.0	10.68	-73.78	53	3.0	0.5	112	37	PUEBLO BELLO (CESAR)
1234	Ago 13 2015	14:43:20.8	9.99	-72.90	Sup	2.3	0.6	192	14	FRONTERA CON VENEZUELA
1235	Ago 13 2015	15:19:16.4	8.16	-77.51	78	2.5	0.3	111	24	FRONTERA CON PANAMA
1236	Ago 13 2015	15:59: 6.6	5.28	-73.74	155	2.2	0.5	205	14	CUCUNUBA (CUNDINAMARCA)
1237	Ago 13 2015	16:51:53.6	3.55	-76.26	10	1.5	0.5	148	14	PALMIRA (VALLE)
1238	Ago 13 2015	17:17:33.4	6.79	-73.19	138	2.6	0.4	131	32	ZAPATOCA (SANTANDER)
1239	Ago 13 2015	18:04:47.5	7.15	-75.35	13	1.8	0.3	107	14	VALDIVIA (ANTIOQUIA)
1240	Ago 13 2015	22:30:13.9	6.02	-75.77	20	1.6	0.2	101	8	TITIRIBI (ANTIOQUIA)
1241	Ago 13 2015	23:13:39.3	5.32	-77.96	32	2.6	0.4	166	22	O. PACIFICO CENTRO
1242	Ago 14 2015	02:03:21.1	5.72	-75.85	38	1.9	0.5	103	18	PUEBLORRICO (ANTIOQUIA)
1243	Ago 14 2015	02:25:47.5	6.76	-73.09	140	1.6	0.4	188	10	LOS SANTOS (SANTANDER)
1244	Ago 14 2015	02:39:28.8	4.76	-75.97	121	1.4	0.4	89	14	ANSERMANUEVO (VALLE)
1245	Ago 14 2015	03:33:38.3	5.80	-72.70	Sup	1.7	0.4	252	11	GAMEZA (BOYACA)
1246	Ago 14 2015	03:41: 7.4	6.76	-73.12	143	1.3	0.1	259	8	LOS SANTOS (SANTANDER)
1247	Ago 14 2015	05:25:51.5	6.80	-73.10	145	3.2	0.5	113	0	LOS SANTOS (SANTANDER)
1248	Ago 14 2015	05:25:51.5	6.80	-73.10	145	3.2	0.5	113	60	LOS SANTOS (SANTANDER)
1249	Ago 14 2015	06:01:19.8	6.81	-73.09	143	1.9	0.3	188	15	LOS SANTOS (SANTANDER)
1250	Ago 14 2015	06:11:25.4	6.80	-73.11	140	1.8	0.4	186	18	LOS SANTOS (SANTANDER)
1251	Ago 14 2015	06:42:15.8	4.51	-76.64	26	1.6	0.5	204	14	SIPI (CHOCO)
1252	Ago 14 2015	07:40:10.0	6.87	-73.10	145	1.4	0.6	188	9	LOS SANTOS (SANTANDER)
1253	Ago 14 2015	08:19:36.0	8.11	-77.35	16	2.6	0.4	107	35	FRONTERA CON PANAMA
1254	Ago 14 2015	11:50:54.5	7.13	-73.29	115	2.5	0.8	162	26	LEBRIJA (SANTANDER)
1255	Ago 14 2015	11:51:10.2	3.51	-74.03	Sup	2.6	0.5	75	20	LEJANIAS (META)
1256	Ago 14 2015	12:39: 5.3	6.79	-73.13	146	3.0	0.6	66	46	LOS SANTOS (SANTANDER)
1257	Ago 14 2015	14:07:55.9	3.54	-76.25	Sup	1.7	0.6	146	14	PALMIRA (VALLE)
1258	Ago 14 2015	17:05:59.2	6.82	-73.12	145	2.4	0.5	138	30	LOS SANTOS (SANTANDER)
1259	Ago 14 2015	17:23: 5.9	7.39	-74.80	42	2.5	0.4	80	20	ZARAGOZA (ANTIOQUIA)
1260	Ago 14 2015	17:32: 4.7	6.78	-73.11	147	2.1	0.3	141	15	LOS SANTOS (SANTANDER)
1261	Ago 14 2015	17:32:21.7	3.48	-74.89	Sup	1.9	0.6	226	11	DOLORES (TOLIMA)
1262	Ago 14 2015	19:03: 6.3	6.79	-73.15	137	2.1	0.4	136	20	LOS SANTOS (SANTANDER)
1263	Ago 14 2015	20:11:31.7	6.90	-76.27	Sup	2.9	0.7	118	41	DABEIBA (ANTIOQUIA)
1264	Ago 14 2015	21:10:11.1	5.77	-74.36	73	1.5	0.4	183	10	OTANCHE (BOYACA)
1265	Ago 14 2015	21:13:34.9	6.82	-73.13	142	2.1	0.3	245	13	LOS SANTOS (SANTANDER)
1266	Ago 14 2015	21:49:15.9	6.94	-76.30	Sup	3.5	0.6	56	0	DABEIBA (ANTIOQUIA)
<u>1267</u>	<u>Ago 14 2015</u>	<u>21:49:15.9</u>	<u>6.94</u>	<u>-76.30</u>	<u>0</u>	<u>3.5</u>	<u>0.6</u>	<u>56</u>	<u>44</u>	<u>DABEIBA (ANTIOQUIA)</u>
1268	Ago 14 2015	22:01:20.6	6.86	-76.16	Sup	1.9	0.5	224	13	URAMITA (ANTIOQUIA)
1269	Ago 14 2015	22:06:58.9	6.80	-73.13	145	2.6	0.4	138	24	LOS SANTOS (SANTANDER)
1270	Ago 14 2015	22:52:56.9	6.90	-76.26	Sup	1.8	0.5	221	10	URAMITA (ANTIOQUIA)
1271	Ago 14 2015	23:33:28.9	6.90	-76.22	Sup	1.7	0.5	186	11	URAMITA (ANTIOQUIA)
1272	Ago 15 2015	02:06: 3.9	6.81	-73.07	147	2.1	0.4	207	18	LOS SANTOS (SANTANDER)
1273	Ago 15 2015	03:17:29.1	6.47	-73.66	104	1.5	0.3	71	15	SANTA HELENA DEL OPON (SANTANDER)
1274	Ago 15 2015	03:25:51.2	9.99	-72.94	Sup	1.9	0.4	163	9	FRONTERA CON VENEZUELA
1275	Ago 15 2015	03:31:24.9	6.77	-73.13	140	1.7	0.4	202	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1276	Ago 15 2015	05:18:35.3	7.37	-74.65	26	1.7	0.3	187	10	ZARAGOZA (ANTIOQUIA)
1277	Ago 15 2015	05:34:11.4	7.30	-78.04	Sup	3.2	0.6	119	51	O. PACIFICO FRONTERA CON PANAMA
1278	Ago 15 2015	05:58: 8.8	7.69	-73.43	23	1.6	0.4	155	12	SAN ALBERTO (CESAR)
1279	Ago 15 2015	06:38:22.8	3.19	-79.18	92	2.2	0.3	254	21	O. PACIFICO SUR
1280	Ago 15 2015	06:56:22.0	6.79	-73.15	147	2.4	0.4	182	27	LOS SANTOS (SANTANDER)
1281	Ago 15 2015	07:06:36.5	6.83	-73.15	140	2.3	0.6	183	34	LOS SANTOS (SANTANDER)
1282	Ago 15 2015	07:44:21.4	6.79	-73.11	145	1.8	0.4	206	15	LOS SANTOS (SANTANDER)
1283	Ago 15 2015	07:56:30.2	5.08	-74.76	Sup	1.2	0.4	152	8	HONDA (TOLIMA)
1284	Ago 15 2015	08:39:58.1	6.70	-73.21	165	1.6	0.2	186	8	VILLANUEVA (SANTANDER)
1285	Ago 15 2015	10:11: 9.6	6.81	-73.11	145	2.0	0.4	242	19	LOS SANTOS (SANTANDER)
1286	Ago 15 2015	10:39:37.1	5.54	-73.91	124	1.7	0.4	104	21	BUENAVISTA (BOYACA)
1287	Ago 15 2015	12:12: 3.0	6.83	-73.11	145	2.3	0.5	204	22	LOS SANTOS (SANTANDER)
1288	Ago 15 2015	15:08:44.4	5.78	-76.12	55	1.8	0.3	230	7	EL CARMEN (CHOCO)
1289	Ago 15 2015	15:30:49.4	7.13	-74.66	22	1.5	0.4	156	8	SEGOVIA (ANTIOQUIA)
1290	Ago 15 2015	16:36:26.6	2.43	-73.87	18	2.5	0.5	89	19	LA MACARENA (META)
1291	Ago 15 2015	18:01: 5.9	8.16	-77.32	Sup	2.3	0.6	139	8	FRONTERA CON PANAMA
1292	Ago 15 2015	18:40:33.1	6.33	-73.60	110	2.3	0.2	72	17	SANTA HELENA DEL OPOON (SANTANDER)
1293	Ago 15 2015	19:16:15.2	6.54	-73.46	115	2.2	0.5	76	22	EL CARMEN (SANTANDER)
1294	Ago 15 2015	20:35:23.6	9.52	-73.35	Sup	2.1	0.5	146	14	LA JAGUA DE IBIRICO (CESAR)
1295	Ago 15 2015	21:31:39.8	4.26	-76.23	122	2.2	0.4	98	22	BOLIVAR (VALLE)
1296	Ago 16 2015	00:45:20.7	6.79	-73.11	145	1.9	0.3	204	11	LOS SANTOS (SANTANDER)
1297	Ago 16 2015	01:13:17.6	5.96	-72.58	Sup	1.7	0.5	264	11	SOCOTA (BOYACA)
1298	Ago 16 2015	01:21: 6.6	6.78	-73.07	156	1.5	0.2	207	7	LOS SANTOS (SANTANDER)
1299	Ago 16 2015	04:46:58.4	6.83	-73.12	149	2.9	0.4	115	58	LOS SANTOS (SANTANDER)
1300	Ago 16 2015	05:25:52.3	5.35	-74.02	128	1.8	0.5	149	24	SAN CAYETANO (CUNDINAMARCA)
1301	Ago 16 2015	06:07:59.8	6.25	-73.55	126	1.0	0.5	93	9	EL GUACAMAYO (SANTANDER)
1302	Ago 16 2015	06:36: 2.4	3.61	-75.72	6	2.6	0.5	69	30	RIOBLANCO (TOLIMA)
1303	Ago 16 2015	06:44:31.1	5.96	-71.98	66	1.8	0.2	240	11	PAZ DE ARIPORO (CASANARE)
1304	Ago 16 2015	06:58:41.3	6.82	-73.12	151	1.7	0.5	185	15	LOS SANTOS (SANTANDER)
1305	Ago 16 2015	07:40:45.5	7.41	-73.12	132	2.0	0.4	191	14	EL PLAYON (SANTANDER)
1306	Ago 16 2015	08:30: 2.3	6.01	-72.42	Sup	1.4	0.3	202	7	LA SALINA (CASANARE)
1307	Ago 16 2015	08:31: 2.8	5.93	-72.40	Sup	2.9	0.5	120	45	LA SALINA (CASANARE)
1308	Ago 16 2015	09:14:56.1	7.79	-73.87	81	1.6	0.3	115	10	SIMITI (BOLIVAR)
1309	Ago 16 2015	09:15:58.9	2.38	-75.64	11	1.9	0.4	124	12	GIGANTE (HUILA)
1310	Ago 16 2015	09:29: 5.8	5.61	-73.95	113	3.1	0.5	55	59	PAUNA (BOYACA)
1311	Ago 16 2015	09:33:24.0	6.84	-73.07	143	1.8	0.5	191	20	LOS SANTOS (SANTANDER)
1312	Ago 16 2015	09:55:48.9	5.29	-73.76	151	2.2	0.5	129	31	CUCUNUBA (CUNDINAMARCA)
1313	Ago 16 2015	10:05:17.6	5.98	-74.28	11	1.5	0.6	60	20	PUERTO BOYACA (BOYACA)
1314	Ago 16 2015	10:08:33.0	6.80	-73.09	143	1.8	0.5	188	21	LOS SANTOS (SANTANDER)
1315	Ago 16 2015	10:55:39.7	5.67	-73.04	Sup	2.5	0.7	154	34	FIRAVITOBIA (BOYACA)
1316	Ago 16 2015	11:13:56.9	7.40	-78.10	Sup	2.2	0.5	131	9	O. PACIFICO FRONTERA CON PANAMA
1317	Ago 16 2015	12:33: 1.7	6.38	-73.27	8	1.4	0.3	147	10	PALMAS DEL SOCORRO (SANTANDER)
1318	Ago 16 2015	12:42:32.7	7.29	-73.93	9	1.9	0.4	98	12	PUERTO WILCHES (SANTANDER)
1319	Ago 16 2015	13:04:23.7	6.39	-73.51	122	1.8	0.3	178	6	SANTA HELENA DEL OPOON (SANTANDER)
1320	Ago 16 2015	14:58:33.2	6.80	-73.14	142	2.6	0.5	71	36	LOS SANTOS (SANTANDER)
1321	Ago 16 2015	15:38:54.5	6.82	-73.10	140	2.6	0.6	72	28	LOS SANTOS (SANTANDER)
1322	Ago 16 2015	16:19:46.1	6.80	-73.10	147	2.0	0.5	163	14	LOS SANTOS (SANTANDER)
1323	Ago 16 2015	16:23:30.5	6.80	-76.69	Sup	2.4	0.4	195	31	MURINDO (ANTIOQUIA)
1324	Ago 16 2015	20:19: 9.9	6.76	-73.11	147	2.2	0.4	141	22	LOS SANTOS (SANTANDER)
1325	Ago 16 2015	21:14:29.0	5.30	-73.74	148	1.9	0.4	129	17	LENGUAZAQUE (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1326	Ago 16 2015	22:04:14.2	4.37	-76.20	114	1.7	0.3	151	10	BOLIVAR (VALLE)
1327	Ago 16 2015	22:14:18.1	5.46	-74.41	Sup	1.7	0.6	111	20	YACOPI (CUNDINAMARCA)
1328	Ago 16 2015	23:00: 4.1	6.78	-73.09	147	1.8	0.4	144	15	LOS SANTOS (SANTANDER)
1329	Ago 17 2015	02:14:57.4	6.78	-73.10	141	2.2	0.5	187	22	LOS SANTOS (SANTANDER)
1330	Ago 17 2015	02:33: 9.8	5.69	-76.00	39	1.8	0.5	158	10	BETANIA (ANTIOQUIA)
1331	Ago 17 2015	02:44:34.8	6.83	-73.08	144	2.2	0.5	189	20	LOS SANTOS (SANTANDER)
1332	Ago 17 2015	03:57: 1.8	6.82	-73.73	112	1.7	0.5	97	14	EL CARMEN (SANTANDER)
1333	Ago 17 2015	04:06:54.6	5.02	-74.74	6	1.9	0.7	91	31	ARMERO (TOLIMA)
1334	Ago 17 2015	04:34:11.4	6.80	-73.10	146	3.1	0.6	110	52	LOS SANTOS (SANTANDER)
1335	Ago 17 2015	07:00:22.1	6.79	-73.11	150	1.9	0.4	186	16	LOS SANTOS (SANTANDER)
1336	Ago 17 2015	07:03:41.2	6.83	-73.11	147	1.7	0.3	187	14	LOS SANTOS (SANTANDER)
1337	Ago 17 2015	07:17:46.8	4.68	-76.22	98	2.3	0.4	154	24	EL CAIRO (VALLE)
1338	Ago 17 2015	07:44:15.4	8.49	-73.36	118	2.0	0.4	159	10	CONVENCION (N.SANTANDER)
1339	Ago 17 2015	07:55:35.8	4.15	-76.83	12	1.6	0.8	145	12	BUENAVENTURA (VALLE)
1340	Ago 17 2015	08:41:59.1	6.82	-73.12	146	1.8	0.5	202	16	LOS SANTOS (SANTANDER)
1341	Ago 17 2015	09:41: 5.0	6.81	-73.13	147	2.6	0.5	112	38	LOS SANTOS (SANTANDER)
1342	Ago 17 2015	10:02:35.1	6.81	-73.13	150	1.7	0.2	200	15	LOS SANTOS (SANTANDER)
1343	Ago 17 2015	10:44:45.5	8.82	-73.46	104	2.0	0.4	164	17	PAILITAS (CESAR)
1344	Ago 17 2015	11:19:15.8	6.81	-73.12	147	1.6	0.4	185	11	LOS SANTOS (SANTANDER)
1345	Ago 17 2015	12:08:58.7	6.33	-73.57	114	2.0	0.3	54	27	SANTA HELENA DEL OPOON (SANTANDER)
1346	Ago 17 2015	12:28:29.4	5.75	-75.95	59	1.1	0.2	131	8	BETANIA (ANTIOQUIA)
1347	Ago 17 2015	13:03:30.2	6.91	-73.30	122	2.7	0.4	55	44	BETULIA (SANTANDER)
1348	Ago 17 2015	13:29:18.3	6.79	-73.12	150	1.6	0.4	139	9	LOS SANTOS (SANTANDER)
1349	Ago 17 2015	14:01:51.8	6.52	-73.45	118	1.5	0.4	228	8	SIMACOTA (SANTANDER)
1350	Ago 17 2015	14:55:48.3	6.74	-73.08	143	1.6	0.2	147	9	JORDAN (SANTANDER)
1351	Ago 17 2015	15:05:58.0	6.60	-73.50	107	1.7	0.3	154	9	EL CARMEN (SANTANDER)
1352	Ago 17 2015	15:15:14.6	6.78	-73.09	150	1.8	0.4	144	18	LOS SANTOS (SANTANDER)
1353	Ago 17 2015	15:23:46.0	6.81	-73.09	146	1.7	0.2	205	8	LOS SANTOS (SANTANDER)
1354	Ago 17 2015	15:56:15.2	6.78	-73.14	150	2.0	0.3	137	15	LOS SANTOS (SANTANDER)
1355	Ago 17 2015	16:15:34.8	6.76	-73.14	149	1.7	0.3	200	8	LOS SANTOS (SANTANDER)
1356	Ago 17 2015	16:49:31.3	6.78	-73.09	149	1.7	0.3	168	9	LOS SANTOS (SANTANDER)
1357	Ago 17 2015	17:56:50.9	6.86	-73.28	125	2.1	0.4	160	18	BETULIA (SANTANDER)
1358	Ago 17 2015	21:53:11.0	6.80	-73.12	142	1.9	0.4	139	15	LOS SANTOS (SANTANDER)
1359	Ago 17 2015	22:09: 8.9	6.80	-73.14	150	1.9	0.4	137	13	LOS SANTOS (SANTANDER)
1360	Ago 17 2015	23:21:56.8	5.61	-73.96	101	1.4	0.5	143	21	PAUNA (BOYACA)
1361	Ago 17 2015	23:23:57.3	3.74	-74.26	Sup	2.4	0.5	87	38	CABRERA (CUNDINAMARCA)
1362	Ago 18 2015	02:00: 5.2	5.67	-74.49	Sup	1.3	0.5	59	23	PUERTO TRIUNFO (ANTIOQUIA)
1363	Ago 18 2015	02:40:16.5	6.81	-73.13	142	2.0	0.4	71	36	LOS SANTOS (SANTANDER)
1364	Ago 18 2015	02:50:11.7	6.86	-73.12	148	1.2	0.3	203	9	LOS SANTOS (SANTANDER)
1365	Ago 18 2015	05:20:11.1	6.78	-73.16	150	1.3	0.3	199	11	LOS SANTOS (SANTANDER)
1366	Ago 18 2015	05:29:38.3	6.80	-73.12	148	3.2	0.5	93	62	LOS SANTOS (SANTANDER)
1367	Ago 18 2015	06:58:48.5	7.16	-73.33	121	1.2	0.2	164	8	LEBRIJA (SANTANDER)
1368	Ago 18 2015	07:21:38.7	6.79	-73.12	151	1.5	0.3	185	14	LOS SANTOS (SANTANDER)
1369	Ago 18 2015	07:40:23.5	6.80	-73.09	146	2.0	0.5	188	32	LOS SANTOS (SANTANDER)
1370	Ago 18 2015	07:48:50.3	6.81	-73.14	147	1.7	0.4	184	16	LOS SANTOS (SANTANDER)
1371	Ago 18 2015	08:21:53.9	4.88	-76.18	113	1.2	0.3	91	14	SAN JOSE DEL PALMAR (CHOCO)
1372	Ago 18 2015	08:35:45.9	6.84	-73.07	148	1.3	0.2	230	7	LOS SANTOS (SANTANDER)
1373	Ago 18 2015	08:59:58.3	5.26	-73.74	144	1.3	0.2	273	7	CUCUNUBA (CUNDINAMARCA)
1374	Ago 18 2015	09:05:26.1	6.80	-73.10	148	1.5	0.4	187	15	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1375	Ago 18 2015	09:20:42.1	6.78	-73.15	152	1.5	0.4	200	11	LOS SANTOS (SANTANDER)
1376	Ago 18 2015	09:26:17.9	3.71	-77.00	23	2.0	0.4	123	21	BUENAVENTURA (VALLE)
1377	Ago 18 2015	09:36:36.6	9.94	-73.50	105	1.5	0.4	141	9	AGUSTIN CODAZZI (CESAR)
1378	Ago 18 2015	09:55:36.7	8.46	-73.03	146	1.5	0.4	287	7	EL TARRA (N.SANTANDER)
1379	Ago 18 2015	10:07:55.2	6.33	-73.54	114	2.0	0.4	79	25	SANTA HELENA DEL OPON (SANTANDER)
1380	Ago 18 2015	10:16:49.3	5.41	-73.80	132	2.0	0.5	118	28	FUQUENE (CUNDINAMARCA)
1381	Ago 18 2015	10:46:21.7	6.91	-73.05	134	1.6	0.5	230	8	PIEDRECUESTA (SANTANDER)
1382	Ago 18 2015	11:13:54.9	6.75	-73.13	155	1.8	0.3	201	11	LOS SANTOS (SANTANDER)
1383	Ago 18 2015	11:24:43.8	6.78	-73.11	152	1.9	0.2	203	11	LOS SANTOS (SANTANDER)
1384	Ago 18 2015	12:27:41.2	2.09	-75.84	Sup	2.4	0.5	112	19	TARQUI (HUILA)
1385	Ago 18 2015	13:05: 1.5	6.81	-73.15	143	2.2	0.5	135	21	LOS SANTOS (SANTANDER)
1386	Ago 18 2015	14:04:34.3	8.07	-77.29	7	3.1	0.6	116	35	FRONTERA CON PANAMA
1387	Ago 18 2015	16:05:50.1	7.74	-73.01	Sup	2.2	0.2	175	9	CACHIRA (N.SANTANDER)
1388	Ago 18 2015	17:18:59.1	5.53	-76.42	12	1.5	0.4	201	15	LORO (CHOCO)
1389	Ago 18 2015	18:10:43.6	6.81	-73.13	145	2.7	0.5	71	38	LOS SANTOS (SANTANDER)
1390	Ago 18 2015	20:32: 8.7	6.82	-73.15	143	2.0	0.3	134	20	LOS SANTOS (SANTANDER)
1391	Ago 18 2015	21:43:27.1	4.59	-76.40	96	1.9	0.5	180	18	EL DOVIO (VALLE)
1392	Ago 18 2015	22:04:32.8	6.80	-73.12	146	2.2	0.5	139	19	LOS SANTOS (SANTANDER)
1393	Ago 18 2015	23:24:26.2	5.96	-73.56	126	2.0	0.4	89	26	TOGUI (BOYACA)
1394	Ago 18 2015	23:33: 4.4	3.65	-73.94	Sup	3.4	0.7	92	0	EL DORADO (META)
1395	Ago 18 2015	23:33: 4.4	3.65	-73.94	0	3.4	0.7	92	68	EL DORADO (META)
1396	Ago 19 2015	00:11:12.7	4.53	-76.29	121	1.2	0.4	176	10	EL DOVIO (VALLE)
1397	Ago 19 2015	00:36:25.5	6.43	-73.62	122	1.4	0.4	195	7	SANTA HELENA DEL OPON (SANTANDER)
1398	Ago 19 2015	00:37:32.9	7.24	-73.15	142	1.9	0.5	108	16	RIONEGRO (SANTANDER)
1399	Ago 19 2015	02:13:54.2	6.79	-73.11	141	1.7	0.4	73	19	LOS SANTOS (SANTANDER)
1400	Ago 19 2015	03:42:38.1	2.67	-77.44	64	1.5	0.3	189	10	TIMBIQUI (CAUCA)
1401	Ago 19 2015	04:41:37.5	6.80	-73.13	152	1.9	0.3	112	28	LOS SANTOS (SANTANDER)
1402	Ago 19 2015	04:50: 9.9	4.85	-76.52	73	0.8	0.2	218	8	NOVITA (CHOCO)
1403	Ago 19 2015	06:20:24.1	5.66	-74.27	28	1.1	0.3	131	10	OTANCHE (BOYACA)
1404	Ago 19 2015	07:03:13.6	7.73	-74.96	24	1.4	0.3	128	8	EL BAGRE (ANTIOQUIA)
1405	Ago 19 2015	07:09:49.9	3.54	-76.79	Sup	1.3	0.2	234	10	DAGUA (VALLE)
1406	Ago 19 2015	07:18:26.1	4.94	-76.67	45	1.2	0.1	235	10	NOVITA (CHOCO)
1407	Ago 19 2015	07:29:20.2	6.83	-72.98	146	1.6	0.4	200	11	CEPITA (SANTANDER)
1408	Ago 19 2015	07:36:35.5	6.83	-72.98	136	1.3	0.1	200	8	CEPITA (SANTANDER)
1409	Ago 19 2015	07:55:48.8	6.55	-73.44	120	1.8	0.3	77	19	HATO (SANTANDER)
1410	Ago 19 2015	08:11:24.4	6.91	-73.07	150	1.2	0.3	226	7	PIEDRECUESTA (SANTANDER)
1411	Ago 19 2015	09:21:44.1	5.91	-73.76	113	2.2	0.4	51	33	SUCRE (SANTANDER)
1412	Ago 19 2015	09:24: 8.2	6.42	-77.80	26	2.5	0.5	183	10	O. PACIFICO NORTE
1413	Ago 19 2015	09:39:17.5	6.80	-73.10	145	1.7	0.4	187	13	LOS SANTOS (SANTANDER)
1414	Ago 19 2015	09:42: 0.1	6.82	-73.12	147	2.5	0.4	114	44	LOS SANTOS (SANTANDER)
1415	Ago 19 2015	09:46:53.7	6.82	-73.04	146	1.8	0.3	194	15	LOS SANTOS (SANTANDER)
1416	Ago 19 2015	09:49:12.7	6.78	-73.14	147	1.4	0.3	236	8	LOS SANTOS (SANTANDER)
1417	Ago 19 2015	10:09:41.1	6.81	-73.10	144	2.3	0.5	187	33	LOS SANTOS (SANTANDER)
1418	Ago 19 2015	11:26:37.2	4.02	-76.30	134	1.6	0.6	151	13	SAN PEDRO (VALLE)
1419	Ago 19 2015	16:46:19.4	6.78	-73.14	130	2.0	0.4	137	12	LOS SANTOS (SANTANDER)
1420	Ago 19 2015	20:29:19.9	6.77	-73.14	139	1.9	0.4	200	13	LOS SANTOS (SANTANDER)
1421	Ago 19 2015	20:58:20.0	6.78	-73.11	142	2.1	0.5	162	12	LOS SANTOS (SANTANDER)
1422	Ago 19 2015	21:13:49.2	6.82	-73.14	146	2.9	0.4	70	45	LOS SANTOS (SANTANDER)
1423	Ago 19 2015	21:46:36.8	6.82	-73.13	142	2.1	0.4	137	19	LOS SANTOS (SANTANDER)
1424	Ago 19 2015	22:45:31.1	8.04	-74.45	26	1.9	0.3	132	8	MONTECRISTO (BOLIVAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1425	Ago 19 2015	23:15: 7.5	3.98	-74.00	Sup	1.6	0.5	134	13	ACACIAS (META)
1426	Ago 19 2015	23:27:25.2	2.65	-79.87	32	2.6	0.6	153	14	O. PACIFICO SUR
1427	Ago 19 2015	23:35: 5.3	4.84	-74.67	18	1.6	0.6	120	12	SAN JUAN DE RIOSECO (CUNDINAMARCA)
1428	Ago 20 2015	00:21:43.1	6.84	-73.12	147	1.8	0.6	203	23	LOS SANTOS (SANTANDER)
1429	Ago 20 2015	01:18: 5.0	3.42	-74.38	Sup	1.6	0.5	196	9	URIBE (META)
1430	Ago 20 2015	01:26:32.0	10.67	-72.17	Sup	2.7	0.5	89	27	FRONTERA CON VENEZUELA
1431	Ago 20 2015	02:42:33.9	6.83	-73.09	136	1.4	0.4	205	12	LOS SANTOS (SANTANDER)
1432	Ago 20 2015	03:30:52.5	10.28	-72.23	174	2.4	0.1	199	7	FRONTERA CON VENEZUELA
1433	Ago 20 2015	03:43:38.5	2.83	-74.81	Sup	1.8	0.3	141	12	TELLO (HUILA)
1434	Ago 20 2015	04:27:32.7	6.81	-73.13	141	2.3	0.5	113	39	LOS SANTOS (SANTANDER)
1435	Ago 20 2015	04:39: 7.9	6.77	-73.13	152	2.2	0.4	111	31	LOS SANTOS (SANTANDER)
1436	Ago 20 2015	04:46:25.2	6.82	-73.14	142	3.0	0.4	112	58	LOS SANTOS (SANTANDER)
1437	Ago 20 2015	05:00:35.1	8.37	-74.21	7	1.7	0.3	111	10	TIQUISIO (BOLIVAR)
1438	Ago 20 2015	06:24:32.8	4.07	-73.55	Sup	1.5	0.4	180	14	VILLAVICENCIO (META)
1439	Ago 20 2015	07:27:33.0	12.10	-72.77	35	1.9	0.1	250	8	MAR CARIBE
1440	Ago 20 2015	08:03:26.8	6.52	-73.49	116	1.5	0.4	72	17	EL CARMEN (SANTANDER)
1441	Ago 20 2015	08:09:17.6	6.81	-73.08	149	1.5	0.3	190	13	LOS SANTOS (SANTANDER)
1442	Ago 20 2015	08:14: 6.3	6.80	-73.09	151	2.0	0.4	169	31	LOS SANTOS (SANTANDER)
1443	Ago 20 2015	08:43:47.3	4.43	-76.23	120	1.4	0.3	119	13	EL DOVIO (VALLE)
1444	Ago 20 2015	08:43:49.3	7.48	-73.89	83	1.9	0.4	105	22	SAN PABLO (BOLIVAR)
1445	Ago 20 2015	08:45:30.3	7.37	-77.58	Sup	2.0	0.5	124	10	JURADO (CHOCO)
1446	Ago 20 2015	08:49:35.7	5.25	-73.74	144	1.6	0.3	77	20	CUCUNUBA (CUNDINAMARCA)
1447	Ago 20 2015	09:06:52.6	8.75	-73.40	117	2.1	0.3	174	15	EL CARMEN (N.SANTANDER)
1448	Ago 20 2015	09:06:57.6	6.75	-73.10	154	1.6	0.3	219	11	LOS SANTOS (SANTANDER)
1449	Ago 20 2015	09:23:28.3	1.90	-76.00	Sup	2.2	0.4	92	28	PITALITO (HUILA)
1450	Ago 20 2015	09:54:37.7	5.67	-78.24	32	2.2	0.5	165	32	O. PACIFICO NORTE
1451	Ago 20 2015	10:07:51.7	6.80	-73.17	141	1.9	0.5	180	20	LOS SANTOS (SANTANDER)
1452	Ago 20 2015	10:49:52.7	2.78	-76.50	20	1.7	0.2	143	17	CALDONO (CAUCA)
1453	Ago 20 2015	11:13:20.9	6.30	-73.30	138	3.4	0.5	66	55	GUAPOTA (SANTANDER)
1454	Ago 20 2015	13:24: 9.0	3.54	-74.45	Sup	2.2	0.6	146	24	URIBE (META)
1455	Ago 20 2015	18:26:24.2	6.78	-73.13	141	2.4	0.5	139	25	LOS SANTOS (SANTANDER)
1456	Ago 20 2015	21:39:51.7	9.97	-72.89	12	2.7	0.1	193	8	FRONTERA CON VENEZUELA
1457	Ago 20 2015	21:47:54.7	2.01	-75.94	Sup	1.7	0.4	235	7	ELIAS (HUILA)
1458	Ago 20 2015	22:11: 2.2	3.38	-75.25	18	1.4	0.2	190	10	AIPE (HUILA)
1459	Ago 20 2015	22:36:47.8	7.58	-73.06	154	2.4	0.4	145	22	CACHIRA (N.SANTANDER)
1460	Ago 21 2015	00:06:41.4	6.80	-73.21	153	1.9	0.4	127	20	ZAPATOCA (SANTANDER)
1461	Ago 21 2015	00:31:23.8	4.37	-76.01	9	1.8	0.4	105	17	ZARZAL (VALLE)
1462	Ago 21 2015	00:36:58.0	6.81	-73.13	146	1.6	0.2	137	11	LOS SANTOS (SANTANDER)
1463	Ago 21 2015	00:41:24.5	6.79	-73.13	146	1.7	0.3	138	14	LOS SANTOS (SANTANDER)
1464	Ago 21 2015	01:09:57.0	5.71	-75.99	56	1.8	0.4	159	19	BETANIA (ANTIOQUIA)
1465	Ago 21 2015	02:10:21.6	6.80	-73.14	146	3.2	0.4	111	0	LOS SANTOS (SANTANDER)
1466	Ago 21 2015	02:10:21.6	6.80	-73.14	146	3.2	0.4	111	60	LOS SANTOS (SANTANDER)
1467	Ago 21 2015	02:52: 1.8	6.78	-73.07	145	1.4	0.3	272	8	LOS SANTOS (SANTANDER)
1468	Ago 21 2015	03:21:21.1	6.80	-73.09	145	2.6	0.4	168	43	LOS SANTOS (SANTANDER)
1469	Ago 21 2015	05:12:41.3	6.80	-73.10	144	1.8	0.4	208	13	LOS SANTOS (SANTANDER)
1470	Ago 21 2015	06:32: 7.1	6.74	-73.13	153	1.2	0.5	201	8	LOS SANTOS (SANTANDER)
1471	Ago 21 2015	06:45:58.9	7.36	-74.01	14	1.4	0.1	131	10	CANTAGALLO (BOLIVAR)
1472	Ago 21 2015	07:29:59.1	6.72	-73.09	148	1.5	0.4	272	8	JORDAN (SANTANDER)
1473	Ago 21 2015	08:37: 7.3	5.30	-73.73	147	3.1	0.5	110	0	LENGUAZAQUE (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1474	Ago 21 2015	08:37: 7.3	5.30	-73.73	147	3.1	0.5	110	54	LENGUAZAQUE (CUNDINAMARCA)
1475	Ago 21 2015	08:50:40.7	10.62	-73.53	7	1.9	0.3	110	8	PUEBLO BELLO (CESAR)
1476	Ago 21 2015	10:26:16.4	4.77	-76.16	107	1.3	0.2	191	9	EL CAIRO (VALLE)
1477	Ago 21 2015	10:29:55.1	6.30	-73.58	109	2.0	0.5	75	28	SANTA HELENA DEL OPOON (SANTANDER)
1478	Ago 21 2015	11:24:18.5	6.01	-76.62	27	1.9	0.4	210	14	MEDIO ATRATO (CHOCO)
1479	Ago 21 2015	12:49:15.2	6.51	-73.71	40	2.7	0.5	53	39	SANTA HELENA DEL OPOON (SANTANDER)
1480	Ago 21 2015	13:04:18.4	6.78	-73.13	140	2.1	0.4	138	24	LOS SANTOS (SANTANDER)
1481	Ago 21 2015	13:45:33.7	6.87	-73.30	120	2.0	0.4	104	12	BETULIA (SANTANDER)
1482	Ago 21 2015	13:52:50.0	3.97	-76.30	132	2.3	0.5	81	34	BUGA (VALLE)
1483	Ago 21 2015	14:05:14.3	4.67	-76.17	105	1.4	0.2	222	8	ARGELIA (VALLE)
<u>1484</u>	<u>Ago 21 2015</u>	<u>14:16:16.8</u>	<u>4.43</u>	<u>-75.68</u>	<u>Sup</u>	<u>3.9</u>	<u>0.7</u>	<u>52</u>	<u>0</u>	<u>CORDOBA (QUINDIO)</u>
1485	Ago 21 2015	14:16:16.8	4.43	-75.68	0	3.9	0.7	52	93	CORDOBA (QUINDIO)
1486	Ago 21 2015	17:09:28.3	11.34	-74.30	16	2.2	0.5	252	8	MAR CARIBE
1487	Ago 21 2015	18:56:49.4	6.82	-73.16	147	2.5	0.5	133	24	LOS SANTOS (SANTANDER)
1488	Ago 21 2015	19:52: 3.9	4.45	-78.21	26	2.3	0.4	303	15	O. PACIFICO CENTRO
1489	Ago 21 2015	20:37:13.4	5.62	-74.87	Sup	1.5	0.5	225	10	NORCASIA (CALDAS)
1490	Ago 22 2015	00:19:13.8	6.76	-73.06	146	1.5	0.3	148	9	LOS SANTOS (SANTANDER)
1491	Ago 22 2015	01:51:56.8	4.91	-73.02	Sup	1.5	0.4	132	11	SABANALARGA (CASANARE)
1492	Ago 22 2015	02:12:57.2	4.80	-73.28	Sup	1.3	0.4	121	9	SANTA MARIA (BOYACA)
1493	Ago 22 2015	02:15:39.7	6.46	-76.54	8	1.2	0.2	253	8	VIGIA DEL FUERTE (ANTIOQUIA)
1494	Ago 22 2015	02:25:16.8	6.79	-73.12	151	1.8	0.4	139	21	LOS SANTOS (SANTANDER)
1495	Ago 22 2015	03:43:20.3	6.80	-73.13	146	2.0	0.3	71	27	LOS SANTOS (SANTANDER)
1496	Ago 22 2015	03:49: 6.3	6.80	-73.13	149	2.6	0.4	71	44	LOS SANTOS (SANTANDER)
1497	Ago 22 2015	03:54:37.1	6.78	-73.11	144	1.4	0.2	141	11	LOS SANTOS (SANTANDER)
1498	Ago 22 2015	04:09: 8.6	6.79	-73.11	146	1.5	0.3	140	14	LOS SANTOS (SANTANDER)
1499	Ago 22 2015	04:32:33.8	7.81	-77.51	Sup	1.9	0.5	132	8	FRONTERA CON PANAMA
1500	Ago 22 2015	05:05:30.5	6.80	-73.12	143	1.3	0.3	140	9	LOS SANTOS (SANTANDER)
1501	Ago 22 2015	05:06:49.5	7.29	-73.46	17	0.9	0.3	136	9	SABANA DE TORRES (SANTANDER)
1502	Ago 22 2015	05:10:15.2	5.19	-78.26	19	1.9	0.7	258	14	O. PACIFICO CENTRO
1503	Ago 22 2015	05:20:25.6	5.30	-76.40	8	1.5	0.5	116	17	BAGADO (CHOCO)
1504	Ago 22 2015	05:28:52.0	6.23	-73.70	108	1.1	0.3	105	9	LANDAZURI (SANTANDER)
1505	Ago 22 2015	05:32:25.9	6.77	-73.15	149	1.2	0.3	234	7	LOS SANTOS (SANTANDER)
1506	Ago 22 2015	06:09:44.5	6.77	-73.10	144	1.7	0.3	143	21	LOS SANTOS (SANTANDER)
1507	Ago 22 2015	07:28:20.1	5.18	-77.69	37	1.1	0.3	212	10	O. PACIFICO CENTRO
1508	Ago 22 2015	08:06:27.3	8.18	-73.44	110	2.9	0.5	70	58	OCANA (N.SANTANDER)
1509	Ago 22 2015	08:21:21.4	4.16	-73.73	9	1.0	0.3	143	7	GUAYABETAL (CUNDINAMARCA)
1510	Ago 22 2015	08:25:10.3	7.05	-76.25	16	1.2	0.3	238	11	DABEIBA (ANTIOQUIA)
1511	Ago 22 2015	09:13:23.1	6.86	-72.97	153	1.3	0.2	258	9	CEPITA (SANTANDER)
<u>1512</u>	<u>Ago 22 2015</u>	<u>10:00:17.9</u>	<u>5.98</u>	<u>-77.65</u>	<u>15</u>	<u>3.5</u>	<u>0.6</u>	<u>122</u>	<u>72</u>	<u>O. PACIFICO NORTE</u>
1513	Ago 22 2015	10:21:44.4	5.97	-77.61	18	2.1	0.6	242	16	O. PACIFICO NORTE
1514	Ago 22 2015	11:16: 5.5	8.67	-73.99	67	2.0	0.5	115	12	REGIDOR (BOLIVAR)
1515	Ago 22 2015	11:37:36.1	7.51	-73.08	121	1.9	0.3	223	9	EL PLAYON (SANTANDER)
1516	Ago 22 2015	11:47: 1.2	6.80	-74.38	54	1.5	0.4	101	12	PUERTO BERRIO (ANTIOQUIA)
1517	Ago 22 2015	12:15: 8.1	3.80	-78.89	32	3.0	0.5	152	34	O. PACIFICO SUR
1518	Ago 22 2015	12:41:18.2	3.34	-78.29	10	3.4	0.6	194	29	O. PACIFICO SUR
1519	Ago 22 2015	12:44:12.9	5.30	-73.67	145	2.3	0.6	136	26	LENGUAZAQUE (CUNDINAMARCA)
1520	Ago 22 2015	17:34:33.2	2.42	-75.56	Sup	1.4	0.2	152	9	GIGANTE (HUILA)
1521	Ago 22 2015	17:43:14.0	6.75	-73.18	139	1.8	0.1	230	8	LOS SANTOS (SANTANDER)
1522	Ago 22 2015	18:45:48.4	7.63	-76.50	15	2.2	0.5	193	7	CHIGORODO (ANTIOQUIA)
1523	Ago 22 2015	20:53:40.6	5.90	-72.39	Sup	2.2	0.4	178	17	PISVA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1524	Ago 22 2015	20:57:19.4	7.44	-73.17	136	2.0	0.5	113	11	EL PLAYON (SANTANDER)
1525	Ago 22 2015	23:14: 5.8	2.34	-75.46	16	2.0	0.5	157	17	GIGANTE (HUILA)
1526	Ago 22 2015	23:16:47.0	6.82	-73.13	137	1.8	0.4	151	7	LOS SANTOS (SANTANDER)
1527	Ago 22 2015	23:48:22.8	6.84	-73.12	145	1.7	0.4	137	11	LOS SANTOS (SANTANDER)
1528	Ago 23 2015	00:02:17.1	6.79	-73.10	142	1.7	0.4	143	10	LOS SANTOS (SANTANDER)
1529	Ago 23 2015	02:00:12.6	6.80	-73.09	142	2.1	0.5	143	19	LOS SANTOS (SANTANDER)
1530	Ago 23 2015	03:50:26.6	0.32	-76.01	Sup	1.9	0.5	174	10	PUERTO ASIS (PUTUMAYO)
1531	Ago 23 2015	03:51:45.4	6.79	-73.12	142	2.0	0.5	185	24	LOS SANTOS (SANTANDER)
1532	Ago 23 2015	03:55:25.2	6.08	-74.03	85	2.1	0.4	67	33	EL PENON (SANTANDER)
1533	Ago 23 2015	04:26:17.5	6.81	-73.10	146	2.3	0.5	185	31	LOS SANTOS (SANTANDER)
1534	Ago 23 2015	04:40:50.3	4.83	-74.60	Sup	1.2	0.3	182	8	SAN JUAN DE RIOSECO (CUNDINAMARCA)
1535	Ago 23 2015	06:01:15.9	6.77	-73.12	139	1.7	0.4	185	15	LOS SANTOS (SANTANDER)
1536	Ago 23 2015	06:48:57.1	8.22	-75.28	53	2.0	0.2	156	9	AYAPEL (CORDOBA)
1537	Ago 23 2015	06:53:38.1	6.77	-73.14	149	1.8	0.4	183	15	LOS SANTOS (SANTANDER)
1538	Ago 23 2015	07:54:36.0	6.82	-73.08	148	1.4	0.4	189	11	LOS SANTOS (SANTANDER)
1539	Ago 23 2015	08:43:48.2	6.81	-73.12	141	3.5	0.6	58	0	LOS SANTOS (SANTANDER)
1540	Ago 23 2015	08:43:48.2	6.81	-73.12	141	3.5	0.6	58	54	LOS SANTOS (SANTANDER)
1541	Ago 23 2015	09:28:19.2	8.40	-72.13	Sup	2.3	0.6	170	12	FRONTERA CON VENEZUELA
1542	Ago 23 2015	09:42:17.7	2.56	-76.04	Sup	1.1	0.3	202	9	INZA (CAUCA)
1543	Ago 23 2015	10:03:18.8	6.82	-73.12	141	1.2	0.4	242	8	LOS SANTOS (SANTANDER)
1544	Ago 23 2015	10:13:55.3	6.31	-73.58	111	1.4	0.2	86	15	SANTA HELENA DEL OPOON (SANTANDER)
1545	Ago 23 2015	10:33:14.3	6.81	-73.12	145	3.2	0.4	57	0	LOS SANTOS (SANTANDER)
1546	Ago 23 2015	10:33:14.3	6.81	-73.12	145	3.2	0.4	57	67	LOS SANTOS (SANTANDER)
1547	Ago 23 2015	10:50:59.4	6.79	-73.15	153	1.6	0.4	182	12	LOS SANTOS (SANTANDER)
1548	Ago 23 2015	11:18: 7.2	7.90	-73.21	125	1.8	0.4	196	9	ABREGO (N.SANTANDER)
<u>1549</u>	<u>Ago 23 2015</u>	<u>11:37:13.1</u>	<u>3.84</u>	<u>-71.35</u>	<u>Sup</u>	<u>4.0</u>	<u>0.6</u>	<u>194</u>	<u>68</u>	<u>PUERTO GAITAN (META)</u>
1550	Ago 23 2015	11:51:13.7	3.82	-71.33	Sup	2.2	0.3	290	5	PUERTO GAITAN (META)
1551	Ago 23 2015	12:08: 7.2	3.82	-71.39	Sup	2.2	0.4	233	9	PUERTO GAITAN (META)
1552	Ago 23 2015	12:13:43.5	3.83	-71.35	Sup	2.4	0.5	194	10	PUERTO GAITAN (META)
1553	Ago 23 2015	12:53:23.0	6.80	-73.12	149	2.0	0.4	139	19	LOS SANTOS (SANTANDER)
1554	Ago 23 2015	13:06:28.5	6.81	-73.60	105	1.6	0.3	136	12	EL CARMEN (SANTANDER)
1555	Ago 23 2015	14:12:15.6	7.93	-75.03	15	1.7	0.2	106	15	CAUCASIA (ANTIOQUIA)
1556	Ago 23 2015	14:30:24.6	6.81	-73.11	150	1.7	0.4	187	13	LOS SANTOS (SANTANDER)
1557	Ago 23 2015	14:55:48.4	6.82	-73.13	146	2.5	0.4	71	43	LOS SANTOS (SANTANDER)
1558	Ago 23 2015	15:04: 8.4	6.83	-73.14	144	2.5	0.4	70	43	LOS SANTOS (SANTANDER)
1559	Ago 23 2015	15:47:16.4	6.80	-73.14	149	1.6	0.3	136	11	LOS SANTOS (SANTANDER)
1560	Ago 23 2015	15:53: 9.9	6.74	-73.08	143	1.8	0.3	146	12	LOS SANTOS (SANTANDER)
1561	Ago 23 2015	16:26:43.6	10.27	-71.86	32	2.5	0.2	192	10	FRONTERA CON VENEZUELA
1562	Ago 23 2015	16:29:52.3	3.82	-71.37	Sup	2.4	0.5	194	14	PUERTO GAITAN (META)
1563	Ago 23 2015	16:34:47.4	8.17	-74.80	15	1.7	0.3	108	12	NECHI (ANTIOQUIA)
1564	Ago 23 2015	17:14:12.2	3.82	-71.42	Sup	3.0	0.5	231	41	PUERTO GAITAN (META)
1565	Ago 23 2015	17:18:48.1	3.79	-71.32	Sup	2.2	0.4	196	10	PUERTO GAITAN (META)
1566	Ago 23 2015	17:48:44.8	10.83	-73.23	77	1.7	0.2	177	10	LA PAZ (CESAR)
1567	Ago 23 2015	18:15:26.1	8.13	-77.36	18	2.5	0.6	159	13	FRONTERA CON PANAMA
1568	Ago 23 2015	20:34:57.6	6.70	-73.11	153	1.5	0.4	145	8	JORDAN (SANTANDER)
1569	Ago 23 2015	20:51:12.0	7.91	-73.41	106	2.1	0.4	112	21	SAN MARTIN (CESAR)
1570	Ago 23 2015	21:41:32.5	10.65	-73.20	75	2.2	0.5	152	10	LA PAZ (CESAR)
1571	Ago 23 2015	23:04:45.4	2.72	-74.48	Sup	1.6	0.5	156	12	URIBE (META)
1572	Ago 23 2015	23:23:56.1	11.06	-73.69	10	1.4	0.3	172	10	PUEBLO BELLO (CESAR)
1573	Ago 23 2015	23:31:28.6	6.38	-73.66	103	1.9	0.4	77	16	SANTA HELENA DEL OPOON (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1574	Ago 24 2015	00:17:35.5	8.16	-77.49	79	2.4	0.3	112	10	FRONTERA CON PANAMA
1575	Ago 24 2015	00:21:48.2	6.77	-73.12	150	1.6	0.4	202	8	LOS SANTOS (SANTANDER)
1576	Ago 24 2015	00:22:29.7	4.33	-76.77	Sup	1.3	0.5	200	7	SIPI (CHOCO)
1577	Ago 24 2015	01:37:10.6	4.22	-76.79	16	1.5	0.5	212	8	CALIMA (VALLE)
<u>1578</u>	<u>Ago 24 2015</u>	<u>02:15:50.6</u>	<u>3.84</u>	<u>-71.31</u>	<u>Sup</u>	<u>4.0</u>	<u>0.6</u>	<u>191</u>	<u>70</u>	<u>PUERTO GAITAN (META)</u>
1579	Ago 24 2015	02:20:38.2	3.81	-71.46	9	3.0	0.6	230	11	PUERTO GAITAN (META)
1580	Ago 24 2015	02:25:28.3	3.85	-71.29	7	2.4	0.5	294	7	PUERTO GAITAN (META)
1581	Ago 24 2015	02:40: 4.5	6.80	-73.13	146	2.5	0.4	138	46	LOS SANTOS (SANTANDER)
1582	Ago 24 2015	03:25:14.1	3.80	-71.41	Sup	1.9	0.3	263	9	PUERTO GAITAN (META)
1583	Ago 24 2015	03:26: 5.8	10.35	-73.50	85	1.7	0.1	197	7	PUEBLO BELLO (CESAR)
1584	Ago 24 2015	03:27:48.8	3.78	-71.34	Sup	2.0	0.6	266	8	PUERTO GAITAN (META)
1585	Ago 24 2015	05:26: 2.0	7.05	-76.45	6	1.2	0.4	253	10	MUTATA (ANTIOQUIA)
1586	Ago 24 2015	05:44:17.2	6.81	-73.09	152	1.8	0.3	143	25	LOS SANTOS (SANTANDER)
1587	Ago 24 2015	05:49: 9.1	6.79	-73.14	148	1.7	0.3	137	13	LOS SANTOS (SANTANDER)
1588	Ago 24 2015	07:04:47.1	6.80	-73.14	151	3.8	0.4	71	0	LOS SANTOS (SANTANDER)
<u>1589</u>	<u>Ago 24 2015</u>	<u>07:04:47.1</u>	<u>6.80</u>	<u>-73.14</u>	<u>151</u>	<u>3.8</u>	<u>0.4</u>	<u>71</u>	<u>94</u>	<u>LOS SANTOS (SANTANDER)</u>
1590	Ago 24 2015	07:17:41.4	8.43	-77.56	17	2.2	0.0	134	9	FRONTERA CON PANAMA
1591	Ago 24 2015	07:39:12.1	6.84	-73.05	142	1.4	0.3	193	14	LOS SANTOS (SANTANDER)
1592	Ago 24 2015	07:58:17.1	6.83	-73.09	150	2.0	0.4	188	30	LOS SANTOS (SANTANDER)
1593	Ago 24 2015	07:58:17.5	6.82	-73.15	147	2.1	0.4	183	24	LOS SANTOS (SANTANDER)
1594	Ago 24 2015	08:30:43.5	6.80	-73.09	146	2.3	0.4	169	37	LOS SANTOS (SANTANDER)
1595	Ago 24 2015	09:57:37.7	5.40	-73.76	132	1.6	0.3	123	18	FUQUENE (CUNDINAMARCA)
1596	Ago 24 2015	10:11:15.9	6.92	-73.09	147	1.7	0.4	189	18	PIEDRECUESTA (SANTANDER)
1597	Ago 24 2015	10:41:55.2	6.84	-73.05	141	1.6	0.4	193	14	LOS SANTOS (SANTANDER)
1598	Ago 24 2015	10:54:27.6	7.50	-73.22	116	1.9	0.4	210	16	EL PLAYON (SANTANDER)
1599	Ago 24 2015	11:35:56.4	3.77	-71.48	Sup	2.7	0.6	230	23	PUERTO GAITAN (META)
1600	Ago 24 2015	11:47:23.3	4.64	-75.81	137	1.4	0.2	180	8	ALCALA (VALLE)
1601	Ago 24 2015	12:48: 4.0	7.38	-73.31	100	2.2	0.3	164	20	EL PLAYON (SANTANDER)
1602	Ago 24 2015	14:16:47.1	6.80	-73.10	145	2.3	0.5	141	28	LOS SANTOS (SANTANDER)
1603	Ago 24 2015	14:18:44.4	5.95	-72.55	Sup	1.8	0.4	228	12	SOCOTA (BOYACA)
1604	Ago 24 2015	14:33:21.1	5.19	-72.97	Sup	2.4	0.5	96	32	SAN EDUARDO (BOYACA)
1605	Ago 24 2015	14:36:27.4	7.55	-73.34	116	2.4	0.4	163	18	LA ESPERANZA (N.SANTANDER)
1606	Ago 24 2015	14:36:42.0	3.84	-71.34	6	2.5	0.4	291	9	PUERTO GAITAN (META)
1607	Ago 24 2015	15:20:33.3	3.80	-71.44	Sup	2.5	0.4	231	24	PUERTO GAITAN (META)
1608	Ago 24 2015	18:39:26.5	6.81	-73.11	150	1.9	0.3	160	14	LOS SANTOS (SANTANDER)
1609	Ago 24 2015	20:42:24.5	5.86	-75.99	47	2.3	0.4	89	15	CIUDAD BOLIVAR (ANTIOQUIA)
1610	Ago 24 2015	20:47: 5.4	6.81	-73.13	145	2.9	0.4	71	34	LOS SANTOS (SANTANDER)
1611	Ago 24 2015	21:19:17.3	3.66	-76.11	166	3.2	0.6	72	54	GINEBRA (VALLE)
1612	Ago 24 2015	23:37:16.3	6.94	-76.15	Sup	1.9	0.5	152	9	URAMITA (ANTIOQUIA)
1613	Ago 25 2015	00:00:12.1	6.80	-73.10	144	1.7	0.5	141	14	LOS SANTOS (SANTANDER)
1614	Ago 25 2015	00:55:20.8	6.82	-77.06	9	1.8	0.3	125	10	VIGIA DEL FUERTE (ANTIOQUIA)
1615	Ago 25 2015	01:01:58.3	3.90	-71.34	6	2.6	0.7	245	14	VIGIA DEL FUERTE (ANTIOQUIA)
<u>1616</u>	<u>Ago 25 2015</u>	<u>01:02:18.1</u>	<u>3.83</u>	<u>-71.37</u>	<u>Sup</u>	<u>3.7</u>	<u>0.3</u>	<u>234</u>	<u>31</u>	<u>PUERTO GAITAN (META)</u>
1617	Ago 25 2015	01:48:38.7	6.77	-73.03	149	1.5	0.5	210	12	CEPITA (SANTANDER)
1618	Ago 25 2015	01:51: 8.9	4.63	-76.06	78	1.5	0.2	159	14	TORO (VALLE)
1619	Ago 25 2015	02:19:16.6	5.84	-73.86	109	1.4	0.4	121	16	JESUS MARIA (SANTANDER)
1620	Ago 25 2015	03:42:15.3	3.84	-71.20	8	2.1	0.3	297	8	OROCUE (CASANARE)
1621	Ago 25 2015	03:52: 4.6	6.77	-73.14	138	2.1	0.4	138	24	LOS SANTOS (SANTANDER)
1622	Ago 25 2015	05:59:46.7	6.50	-74.29	Sup	1.2	0.3	91	12	PUERTO BERRIO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1623	Ago 25 2015	08:04:19.2	6.82	-73.13	137	1.4	0.4	198	8	LOS SANTOS (SANTANDER)
1624	Ago 25 2015	08:12:54.1	5.68	-77.91	45	2.3	0.4	151	16	O. PACIFICO NORTE
1625	Ago 25 2015	08:31:43.9	6.80	-73.07	146	1.7	0.4	190	16	LOS SANTOS (SANTANDER)
1626	Ago 25 2015	09:19:42.6	6.76	-73.14	134	1.8	0.4	182	18	LOS SANTOS (SANTANDER)
1627	Ago 25 2015	09:29:52.2	6.80	-73.12	148	2.1	0.5	186	34	LOS SANTOS (SANTANDER)
1628	Ago 25 2015	09:33:41.4	6.09	-76.26	82	1.7	0.5	122	17	EL CARMEN (CHOCO)
1629	Ago 25 2015	09:45: 9.7	6.81	-73.15	138	2.7	0.5	112	48	LOS SANTOS (SANTANDER)
1630	Ago 25 2015	11:20:31.8	6.81	-73.12	144	2.8	0.4	114	0	LOS SANTOS (SANTANDER)
1631	Ago 25 2015	11:20:31.8	6.81	-73.12	144	2.8	0.4	114	45	LOS SANTOS (SANTANDER)
1632	Ago 25 2015	12:01:55.9	6.49	-71.81	Sup	1.4	0.4	131	8	TAME (ARAUCA)
1633	Ago 25 2015	13:39:58.4	6.80	-73.14	147	2.4	0.4	71	39	LOS SANTOS (SANTANDER)
1634	Ago 25 2015	13:46:43.1	7.98	-77.19	Sup	3.0	0.6	187	40	UNGUIA (CHOCO)
1635	Ago 25 2015	14:39:14.1	11.63	-73.29	23	2.3	0.3	204	13	MAR CARIBE
1636	Ago 25 2015	16:37:22.1	6.80	-73.11	145	2.2	0.4	140	37	LOS SANTOS (SANTANDER)
1637	Ago 25 2015	17:43:18.5	6.74	-73.08	145	1.5	0.1	181	7	JORDAN (SANTANDER)
1638	Ago 25 2015	17:56:26.1	1.43	-78.69	72	2.4	0.4	111	29	TUMACO (NARINO)
1639	Ago 25 2015	17:58:50.6	11.02	-74.23	58	1.8	0.2	147	8	PIVIJAY (MAGDALENA)
1640	Ago 25 2015	19:26:45.0	6.80	-73.14	148	3.3	0.5	54	0	LOS SANTOS (SANTANDER)
1641	Ago 25 2015	19:26:45.0	6.80	-73.14	148	3.3	0.5	54	65	LOS SANTOS (SANTANDER)
1642	Ago 25 2015	20:12:33.0	6.81	-73.01	147	2.5	0.6	131	35	CEPITA (SANTANDER)
1643	Ago 25 2015	20:43: 1.0	6.80	-73.10	150	3.5	0.5	54	0	LOS SANTOS (SANTANDER)
1644	Ago 25 2015	20:43: 1.0	6.80	-73.10	150	3.5	0.5	54	60	LOS SANTOS (SANTANDER)
1645	Ago 25 2015	20:54:47.9	6.37	-77.45	8	2.5	0.5	173	15	O. PACIFICO NORTE
1646	Ago 25 2015	21:14:17.7	6.81	-73.08	141	2.1	0.3	223	13	LOS SANTOS (SANTANDER)
1647	Ago 25 2015	22:18:32.4	5.57	-73.86	128	2.4	0.4	104	32	CALDAS (BOYACA)
1648	Ago 26 2015	00:16: 1.0	6.83	-73.15	141	2.0	0.5	134	25	LOS SANTOS (SANTANDER)
1649	Ago 26 2015	00:23:11.1	6.84	-73.10	144	2.1	0.6	140	34	LOS SANTOS (SANTANDER)
1650	Ago 26 2015	00:32:22.7	6.90	-76.17	Sup	1.4	0.3	170	10	URAMITA (ANTIOQUIA)
1651	Ago 26 2015	00:43:54.4	6.64	-73.56	18	1.6	0.4	85	15	EL CARMEN (SANTANDER)
1652	Ago 26 2015	02:04:26.3	3.58	-76.56	130	2.1	0.4	124	30	LA CUMBRE (VALLE)
1653	Ago 26 2015	02:48:50.4	3.88	-71.31	Sup	2.3	0.5	266	16	PUERTO GAITAN (META)
1654	Ago 26 2015	04:18: 6.2	6.58	-73.49	114	1.5	0.4	82	16	EL CARMEN (SANTANDER)
1655	Ago 26 2015	04:34:58.8	6.78	-73.08	142	1.8	0.4	189	24	LOS SANTOS (SANTANDER)
1656	Ago 26 2015	04:54:51.4	10.58	-73.96	29	1.5	0.2	144	9	ALGARROBO (MAGDALENA)
1657	Ago 26 2015	08:27:17.9	4.58	-74.90	Sup	1.2	0.2	215	8	ALVARADO (TOLIMA)
1658	Ago 26 2015	08:48:33.8	6.84	-72.97	142	1.4	0.3	200	11	CEPITA (SANTANDER)
1659	Ago 26 2015	08:48:33.1	6.81	-73.04	149	1.4	0.4	193	13	LOS SANTOS (SANTANDER)
1660	Ago 26 2015	08:54:26.2	6.81	-73.12	146	2.6	0.4	185	40	LOS SANTOS (SANTANDER)
1661	Ago 26 2015	08:57:59.0	6.79	-72.97	141	1.4	0.3	201	12	CEPITA (SANTANDER)
1662	Ago 26 2015	10:31:27.9	6.81	-73.10	147	1.6	0.4	205	11	LOS SANTOS (SANTANDER)
1663	Ago 26 2015	13:57:43.2	6.82	-73.11	148	2.3	0.4	139	29	LOS SANTOS (SANTANDER)
1664	Ago 26 2015	14:05:56.8	7.24	-74.89	30	1.7	0.5	159	9	ZARAGOZA (ANTIOQUIA)
1665	Ago 26 2015	14:10:33.4	6.76	-73.14	147	1.5	0.2	139	10	LOS SANTOS (SANTANDER)
1666	Ago 26 2015	14:29:31.1	6.74	-73.53	13	2.3	0.4	67	0	EL CARMEN (SANTANDER)
1667	Ago 26 2015	14:29:31.1	6.74	-73.53	13	2.3	0.4	67	32	EL CARMEN (SANTANDER)
1668	Ago 26 2015	15:44:27.6	5.64	-77.59	44	2.8	0.4	157	33	O. PACIFICO NORTE
1669	Ago 26 2015	18:52:33.9	6.79	-73.16	149	1.7	0.2	145	7	LOS SANTOS (SANTANDER)
1670	Ago 26 2015	21:40: 5.3	8.37	-75.62	14	3.6	0.7	73	55	PLANETA RICA (CORDOBA)
1671	Ago 26 2015	21:54:26.0	6.67	-73.48	116	2.0	0.4	121	10	EL CARMEN (SANTANDER)
1672	Ago 26 2015	22:27:43.3	6.55	-73.49	113	2.8	0.4	54	43	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1673	Ago 26 2015	23:25: 8.4	6.80	-73.13	148	1.9	0.4	138	19	LOS SANTOS (SANTANDER)
1674	Ago 26 2015	23:47:41.9	7.58	-74.13	66	1.6	0.2	164	7	SAN PABLO (BOLIVAR)
1675	Ago 27 2015	00:28:33.9	6.82	-73.09	142	1.8	0.4	141	16	LOS SANTOS (SANTANDER)
1676	Ago 27 2015	00:48:59.6	6.78	-73.09	151	1.6	0.3	144	15	LOS SANTOS (SANTANDER)
1677	Ago 27 2015	00:55: 2.4	4.59	-74.94	Sup	0.8	0.1	209	8	ALVARADO (TOLIMA)
1678	Ago 27 2015	02:27:34.3	6.79	-73.07	148	1.4	0.2	145	10	LOS SANTOS (SANTANDER)
1679	Ago 27 2015	02:45:37.5	10.34	-73.42	85	1.3	0.2	158	8	PUEBLO BELLO (CESAR)
1680	Ago 27 2015	02:52:31.0	0.09	-77.76	Sup	2.1	0.5	250	26	FRONTERA CON ECUADOR
1681	Ago 27 2015	03:06:10.2	9.34	-73.70	Sup	1.6	0.5	109	14	CHIRIGUANA (CESAR)
1682	Ago 27 2015	03:07:31.5	6.77	-73.08	147	1.2	0.3	146	10	LOS SANTOS (SANTANDER)
1683	Ago 27 2015	03:18:41.6	6.79	-73.11	150	1.6	0.4	141	19	LOS SANTOS (SANTANDER)
1684	Ago 27 2015	03:22:34.5	6.82	-73.11	142	1.7	0.4	72	18	LOS SANTOS (SANTANDER)
1685	Ago 27 2015	03:24: 4.7	5.24	-73.73	150	2.5	0.4	64	50	CUCUNUBA (CUNDINAMARCA)
1686	Ago 27 2015	03:34:49.5	6.80	-73.10	150	1.4	0.4	141	13	LOS SANTOS (SANTANDER)
1687	Ago 27 2015	03:53:29.7	5.08	-73.20	Sup	1.2	0.4	121	11	CAMPOHERMOSO (BOYACA)
1688	Ago 27 2015	04:02:42.6	7.03	-76.42	6	1.1	0.3	251	8	DABEIBA (ANTIOQUIA)
1689	Ago 27 2015	04:18:48.0	3.83	-71.39	Sup	2.1	0.4	263	12	PUERTO GAITAN (META)
1690	Ago 27 2015	05:09: 5.8	8.81	-73.47	103	1.4	0.1	223	7	PAILITAS (CESAR)
1691	Ago 27 2015	05:11: 5.1	6.75	-73.09	151	1.4	0.3	188	10	LOS SANTOS (SANTANDER)
1692	Ago 27 2015	05:34:25.8	8.15	-77.36	32	2.0	0.4	161	9	FRONTERA CON PANAMA
1693	Ago 27 2015	06:09:57.1	6.79	-73.10	151	1.7	0.3	187	21	LOS SANTOS (SANTANDER)
1694	Ago 27 2015	06:50:57.1	6.76	-73.15	155	1.3	0.3	181	7	LOS SANTOS (SANTANDER)
1695	Ago 27 2015	07:21:10.8	6.77	-73.08	149	1.3	0.2	242	7	LOS SANTOS (SANTANDER)
1696	Ago 27 2015	08:09:40.0	4.16	-76.80	14	2.4	0.5	71	0	BUENAVENTURA (VALLE)
1697	Ago 27 2015	08:09:40.0	4.16	-76.80	14	2.4	0.5	71	52	BUENAVENTURA (VALLE)
1698	Ago 27 2015	08:41:29.2	5.60	-76.00	Sup	1.5	0.5	202	17	ANDES (ANTIOQUIA)
1699	Ago 27 2015	09:24:39.4	3.81	-71.45	Sup	1.9	0.5	261	13	PUERTO GAITAN (META)
1700	Ago 27 2015	11:40:40.0	3.71	-77.45	30	1.5	0.4	155	10	O. PACIFICO SUR
1701	Ago 27 2015	12:15:37.5	6.81	-73.14	144	2.8	0.4	112	47	LOS SANTOS (SANTANDER)
1702	Ago 27 2015	13:57:21.7	6.85	-73.26	136	1.6	0.5	114	9	ZAPATOCA (SANTANDER)
1703	Ago 27 2015	14:54:19.2	6.76	-73.14	140	2.1	0.5	138	25	LOS SANTOS (SANTANDER)
1704	Ago 27 2015	15:02: 8.5	4.00	-76.78	38	1.5	0.5	157	10	BUENAVENTURA (VALLE)
1705	Ago 27 2015	15:56:12.6	3.69	-76.77	60	2.0	0.5	103	32	DAGUA (VALLE)
1706	Ago 27 2015	16:39:38.3	6.80	-73.14	143	2.2	0.4	137	31	LOS SANTOS (SANTANDER)
1707	Ago 27 2015	17:09:32.8	3.25	-76.63	7	2.4	0.6	111	40	JAMUNDI (VALLE)
1708	Ago 27 2015	17:14:58.2	6.82	-73.15	145	2.2	0.4	145	26	LOS SANTOS (SANTANDER)
1709	Ago 27 2015	23:44:51.3	4.02	-76.82	29	1.5	0.5	161	9	BUENAVENTURA (VALLE)
1710	Ago 28 2015	00:35:59.2	6.78	-73.10	146	1.9	0.5	226	13	LOS SANTOS (SANTANDER)
1711	Ago 28 2015	01:09: 9.7	6.79	-73.12	147	1.7	0.4	139	17	LOS SANTOS (SANTANDER)
1712	Ago 28 2015	02:22:45.5	4.34	-75.98	22	1.2	0.2	206	8	ZARZAL (VALLE)
1713	Ago 28 2015	03:54:14.5	4.66	-76.02	23	1.6	0.5	155	17	TORO (VALLE)
1714	Ago 28 2015	04:46:41.9	6.81	-73.14	148	2.0	0.4	118	40	LOS SANTOS (SANTANDER)
1715	Ago 28 2015	05:25:41.0	6.79	-73.10	141	1.7	0.3	187	13	LOS SANTOS (SANTANDER)
1716	Ago 28 2015	05:28:14.3	6.81	-73.11	147	2.7	0.4	140	46	LOS SANTOS (SANTANDER)
1717	Ago 28 2015	06:09:35.1	6.83	-73.14	144	2.0	0.5	134	34	LOS SANTOS (SANTANDER)
1718	Ago 28 2015	07:00:46.9	6.81	-73.13	144	2.3	0.6	120	45	LOS SANTOS (SANTANDER)
1719	Ago 28 2015	07:12:14.3	6.78	-73.09	148	1.6	0.5	205	18	LOS SANTOS (SANTANDER)
1720	Ago 28 2015	07:29: 5.1	3.83	-71.39	Sup	1.9	0.1	288	8	PUERTO GAITAN (META)
1721	Ago 28 2015	08:02:20.7	2.06	-75.80	11	1.1	0.2	200	10	ALTAMIRA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1722	Ago 28 2015	08:50:59.0	6.25	-73.69	108	1.7	0.4	84	26	SANTA HELENA DEL OPON (SANTANDER)
1723	Ago 28 2015	09:11:55.9	5.29	-73.74	148	2.5	0.5	76	38	LENGUAZAUQUE (CUNDINAMARCA)
1724	Ago 28 2015	09:19:52.0	7.02	-75.87	Sup	2.2	0.6	116	19	PEQUE (ANTIOQUIA)
1725	Ago 28 2015	10:23:12.2	6.81	-73.11	153	2.4	0.4	167	35	LOS SANTOS (SANTANDER)
1726	Ago 28 2015	10:51:10.4	5.28	-76.14	28	1.0	0.1	266	7	PUEBLO RICO (RISARALDA)
1727	Ago 28 2015	11:13:13.8	5.08	-76.49	80	1.4	0.2	220	10	CONDOTO (CHOCO)
1728	Ago 28 2015	11:14:25.8	5.21	-72.92	Sup	2.7	0.5	134	38	CHAMEZA (CASANARE)
1729	Ago 28 2015	11:51:29.9	6.82	-73.07	142	1.9	0.4	191	18	LOS SANTOS (SANTANDER)
1730	Ago 28 2015	12:30:30.2	6.82	-73.08	148	2.0	0.4	206	23	LOS SANTOS (SANTANDER)
1731	Ago 28 2015	13:02:16.6	6.80	-73.12	150	2.0	0.4	184	21	LOS SANTOS (SANTANDER)
1732	Ago 28 2015	13:07:49.8	3.25	-75.58	Sup	2.0	0.5	66	29	PLANADAS (TOLIMA)
1733	Ago 28 2015	15:27:51.7	6.89	-73.14	147	2.5	0.4	131	36	PIEDECUESTA (SANTANDER)
1734	Ago 28 2015	16:16: 8.2	5.40	-73.77	136	1.8	0.2	151	15	FUQUENE (CUNDINAMARCA)
1735	Ago 28 2015	16:27:14.3	4.08	-76.81	26	2.1	0.7	122	22	BUENAVENTURA (VALLE)
1736	Ago 28 2015	16:44:35.9	8.58	-74.02	58	2.1	0.5	85	22	ARENAL (BOLIVAR)
1737	Ago 28 2015	16:52:20.3	7.13	-74.00	17	1.7	0.3	99	13	YONDO (ANTIOQUIA)
1738	Ago 28 2015	19:20:19.9	3.25	-75.58	Sup	2.1	0.4	77	24	PLANADAS (TOLIMA)
1739	Ago 28 2015	21:34: 3.5	5.36	-77.39	31	1.6	0.4	277	7	NUQUI (CHOCO)
1740	Ago 28 2015	22:39: 6.4	3.14	-74.81	Sup	2.9	0.6	87	48	COLOMBIA (HUILA)
1741	Ago 28 2015	23:20:13.7	1.58	-78.57	54	2.5	0.4	153	18	TUMACO (NARINO)
1742	Ago 28 2015	23:36:38.6	6.80	-73.15	151	1.9	0.3	200	13	LOS SANTOS (SANTANDER)
1743	Ago 28 2015	23:39:18.0	3.25	-74.59	Sup	1.6	0.4	174	12	COLOMBIA (HUILA)
1744	Ago 29 2015	01:11: 7.1	6.79	-73.12	149	2.2	0.5	121	38	LOS SANTOS (SANTANDER)
1745	Ago 29 2015	02:57: 8.9	5.12	-78.24	11	1.7	0.4	299	16	O. PACIFICO CENTRO
1746	Ago 29 2015	03:53: 7.7	3.73	-76.69	16	1.6	0.3	122	10	DAGUA (VALLE)
1747	Ago 29 2015	04:15:59.8	6.59	-73.45	117	1.9	0.4	115	18	EL CARMEN (SANTANDER)
1748	Ago 29 2015	04:21:16.4	6.81	-73.14	145	2.7	0.5	113	48	LOS SANTOS (SANTANDER)
1749	Ago 29 2015	06:01:19.2	4.08	-71.32	Sup	2.3	0.4	310	13	OROCUE (CASANARE)
1750	Ago 29 2015	07:22:54.4	6.37	-73.60	108	2.3	0.4	70	40	SANTA HELENA DEL OPON (SANTANDER)
1751	Ago 29 2015	07:34: 8.9	4.84	-72.97	Sup	2.0	0.5	133	32	SABANALARGA (CASANARE)
1752	Ago 29 2015	07:55: 2.6	6.30	-73.57	114	1.5	0.3	164	12	SANTA HELENA DEL OPON (SANTANDER)
1753	Ago 29 2015	08:11: 2.3	6.81	-73.10	151	1.4	0.3	225	8	LOS SANTOS (SANTANDER)
1754	Ago 29 2015	09:47:44.9	6.82	-73.09	144	2.1	0.4	169	30	LOS SANTOS (SANTANDER)
1755	Ago 29 2015	10:48:37.0	7.52	-73.37	119	2.5	0.4	161	31	LA ESPERANZA (N.SANTANDER)
1756	Ago 29 2015	12:42:50.3	6.77	-73.11	144	1.6	0.2	166	7	LOS SANTOS (SANTANDER)
1757	Ago 29 2015	14:22:37.4	6.80	-73.15	150	3.8	0.4	55	0	LOS SANTOS (SANTANDER)
1758	Ago 29 2015	14:22:37.4	6.80	-73.15	150	3.8	0.4	55	87	LOS SANTOS (SANTANDER)
1759	Ago 29 2015	14:45:19.3	6.83	-73.10	145	1.8	0.3	223	7	LOS SANTOS (SANTANDER)
1760	Ago 29 2015	16:02:10.8	6.80	-73.13	144	2.5	0.4	138	37	LOS SANTOS (SANTANDER)
1761	Ago 29 2015	16:14:17.0	6.18	-73.63	112	2.4	0.3	64	32	LA PAZ (SANTANDER)
1762	Ago 29 2015	16:49:48.5	6.17	-73.65	114	1.6	0.3	134	9	LA PAZ (SANTANDER)
1763	Ago 29 2015	17:38:55.1	6.80	-73.10	148	2.1	0.3	141	24	LOS SANTOS (SANTANDER)
1764	Ago 29 2015	19:31:18.0	6.75	-73.11	145	1.8	0.3	143	13	LOS SANTOS (SANTANDER)
1765	Ago 29 2015	19:36:55.1	2.94	-74.76	Sup	1.3	0.3	140	15	BARAYA (HUILA)
1766	Ago 29 2015	20:28:56.0	6.83	-73.19	148	1.8	0.2	132	10	ZAPATOCA (SANTANDER)
1767	Ago 29 2015	20:36:53.7	6.78	-73.10	151	2.2	0.4	142	29	LOS SANTOS (SANTANDER)
1768	Ago 29 2015	21:00:29.1	6.90	-76.33	7	1.9	0.3	272	8	DABEIBA (ANTIOQUIA)
1769	Ago 29 2015	22:49:57.6	6.81	-73.12	146	2.5	0.5	138	38	LOS SANTOS (SANTANDER)
1770	Ago 29 2015	23:19:16.0	6.13	-73.83	98	1.5	0.5	82	15	EL PENON (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1771	Ago 30 2015	00:30:28.1	3.82	-71.39	Sup	2.4	0.5	257	16	PUERTO GAITAN (META)
1772	Ago 30 2015	02:55:45.7	6.38	-73.47	114	1.6	0.5	86	25	CONTRATAACION (SANTANDER)
1773	Ago 30 2015	03:46:34.9	5.23	-73.74	143	1.7	0.4	218	16	CUCUNUBA (CUNDINAMARCA)
1774	Ago 30 2015	04:17:34.7	6.80	-73.05	149	1.5	0.4	238	8	LOS SANTOS (SANTANDER)
1775	Ago 30 2015	04:41:10.3	6.83	-73.14	145	1.9	0.5	183	28	LOS SANTOS (SANTANDER)
1776	Ago 30 2015	04:59:32.1	4.43	-76.15	124	1.0	0.2	237	10	ROLDANILLO (VALLE)
1777	Ago 30 2015	06:01:11.4	7.07	-76.18	Sup	1.1	0.2	232	8	DABEIBA (ANTIOQUIA)
1778	Ago 30 2015	06:33: 6.4	2.09	-75.75	Sup	1.9	0.4	80	23	ALTAMIRA (HUILA)
1779	Ago 30 2015	06:36: 7.4	2.07	-75.76	15	1.2	0.5	130	12	ALTAMIRA (HUILA)
1780	Ago 30 2015	06:51:46.3	6.82	-73.12	146	1.9	0.4	185	24	LOS SANTOS (SANTANDER)
1781	Ago 30 2015	08:10:58.5	6.81	-73.11	147	3.1	0.4	57	0	LOS SANTOS (SANTANDER)
1782	Ago 30 2015	08:10:58.5	6.81	-73.11	147	3.1	0.4	57	70	LOS SANTOS (SANTANDER)
1783	Ago 30 2015	08:34:29.9	6.80	-73.12	143	1.7	0.4	185	25	LOS SANTOS (SANTANDER)
1784	Ago 30 2015	09:34: 2.0	6.48	-72.19	Sup	1.5	0.6	129	16	GUICAN (BOYACA)
1785	Ago 30 2015	09:55:58.6	4.01	-76.19	48	1.2	0.3	159	8	SAN PEDRO (VALLE)
1786	Ago 30 2015	10:41:25.4	8.69	-73.95	72	1.5	0.3	95	8	REGIDOR (BOLIVAR)
1787	Ago 30 2015	11:17:15.0	3.51	-74.61	16	1.9	0.5	94	31	COLOMBIA (HUILA)
1788	Ago 30 2015	12:15:17.0	6.80	-73.07	141	2.0	0.4	190	27	LOS SANTOS (SANTANDER)
1789	Ago 30 2015	12:52: 6.7	6.80	-73.08	150	1.8	0.4	170	13	LOS SANTOS (SANTANDER)
1790	Ago 30 2015	13:29:54.3	7.32	-75.21	20	2.4	0.5	74	28	ANORI (ANTIOQUIA)
1791	Ago 30 2015	13:36: 4.9	4.57	-76.21	110	1.6	0.3	220	10	VERSALLES (VALLE)
1792	Ago 30 2015	14:43:39.7	7.59	-73.03	155	2.1	0.3	151	20	CACHIRA (N.SANTANDER)
1793	Ago 30 2015	15:13:12.5	6.80	-73.11	153	4.1	0.5	54	0	LOS SANTOS (SANTANDER)
1794	Ago 30 2015	15:13:12.5	6.80	-73.11	153	4.1	0.5	54	99	LOS SANTOS (SANTANDER)
1795	Ago 30 2015	15:19:47.7	4.93	-76.98	28	1.6	0.4	132	8	MEDIO BAUDO (CHOCO)
1796	Ago 30 2015	15:26:33.8	6.81	-73.11	148	2.1	0.4	139	27	LOS SANTOS (SANTANDER)
1797	Ago 30 2015	16:15:16.1	6.78	-73.10	140	1.7	0.2	165	8	LOS SANTOS (SANTANDER)
1798	Ago 30 2015	16:27:33.7	6.81	-73.13	148	2.4	0.4	120	39	LOS SANTOS (SANTANDER)
1799	Ago 30 2015	17:19:55.9	5.23	-73.73	145	1.9	0.3	101	19	CUCUNUBA (CUNDINAMARCA)
1800	Ago 30 2015	18:17:25.2	6.82	-73.13	146	2.0	0.4	150	18	LOS SANTOS (SANTANDER)
1801	Ago 30 2015	18:45:50.1	6.81	-73.11	150	2.2	0.4	140	32	LOS SANTOS (SANTANDER)
1802	Ago 30 2015	20:29:15.1	6.77	-73.15	140	1.7	0.6	197	7	LOS SANTOS (SANTANDER)
1803	Ago 30 2015	20:34:30.7	3.78	-71.54	Sup	3.1	0.5	227	34	PUERTO GAITAN (META)
1804	Ago 30 2015	21:12:30.0	6.79	-73.13	149	2.0	0.5	155	21	LOS SANTOS (SANTANDER)
1805	Ago 31 2015	00:07:31.4	6.82	-73.13	147	2.4	0.5	70	0	LOS SANTOS (SANTANDER)
1806	Ago 31 2015	00:07:31.4	6.82	-73.13	147	2.4	0.5	70	47	LOS SANTOS (SANTANDER)
1807	Ago 31 2015	00:59:41.0	4.04	-71.24	7	1.9	0.4	311	6	OROCUE (CASANARE)
1808	Ago 31 2015	01:00:48.3	6.32	-77.63	15	2.3	0.4	235	7	O. PACIFICO NORTE
1809	Ago 31 2015	01:58:18.4	6.77	-73.12	137	1.4	0.2	141	10	LOS SANTOS (SANTANDER)
1810	Ago 31 2015	02:28:51.7	6.81	-73.16	140	1.9	0.5	80	17	LOS SANTOS (SANTANDER)
1811	Ago 31 2015	03:50:56.3	6.86	-73.29	121	1.9	0.5	160	12	BETULIA (SANTANDER)
1812	Ago 31 2015	03:59:30.9	6.81	-73.18	135	2.2	0.4	131	42	ZAPATOCA (SANTANDER)
1813	Ago 31 2015	07:21:59.9	6.76	-73.17	147	1.6	0.6	127	9	LOS SANTOS (SANTANDER)
1814	Ago 31 2015	07:26: 1.1	6.84	-73.40	125	1.2	0.5	156	9	SAN VICENTE DE CHUCURI (SANTANDER)
1815	Ago 31 2015	08:45:35.3	6.81	-73.18	149	1.9	0.3	179	13	ZAPATOCA (SANTANDER)
1816	Ago 31 2015	08:54: 7.0	6.81	-73.11	143	2.0	0.5	95	31	LOS SANTOS (SANTANDER)
1817	Ago 31 2015	09:16:26.0	4.08	-71.34	Sup	2.3	0.5	310	12	OROCUE (CASANARE)
1818	Ago 31 2015	10:09:24.7	7.53	-73.18	156	1.7	0.2	191	8	EL PLAYON (SANTANDER)
1819	Ago 31 2015	10:12:26.1	6.80	-73.15	144	2.0	0.4	182	26	LOS SANTOS (SANTANDER)
1820	Ago 31 2015	10:18:49.4	4.79	-76.12	116	1.9	0.5	129	26	ARGELIA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1821	Ago 31 2015	10:34:40.5	3.82	-71.39	Sup	3.8	0.6	190	76	PUERTO GAITAN (META)
1822	Ago 31 2015	10:38:33.1	9.39	-74.97	Sup	2.2	0.4	162	16	BUENAVISTA (SUCRE)
1823	Ago 31 2015	11:19:36.8	6.79	-73.10	150	1.8	0.4	204	15	LOS SANTOS (SANTANDER)
1824	Ago 31 2015	11:23:9.0	6.76	-73.07	143	1.5	0.2	237	8	LOS SANTOS (SANTANDER)
1825	Ago 31 2015	11:38:40.0	3.77	-71.44	Sup	2.4	0.5	232	17	PUERTO GAITAN (META)
1826	Ago 31 2015	11:52:50.3	4.12	-71.29	Sup	2.3	0.4	311	9	OROCUE (CASANARE)
1827	Ago 31 2015	12:23:48.1	3.83	-71.40	10	2.9	0.9	192	28	PUERTO GAITAN (META)
1828	Ago 31 2015	13:22:36.9	6.85	-73.04	150	1.9	0.4	210	18	LOS SANTOS (SANTANDER)
1829	Ago 31 2015	13:27:6.2	7.48	-75.48	14	1.8	0.3	148	8	TARAZA (ANTIOQUIA)
1830	Ago 31 2015	14:22:36.8	3.84	-71.32	Sup	2.2	0.4	195	10	PUERTO GAITAN (META)
1831	Ago 31 2015	14:39:30.8	6.82	-73.18	147	2.4	0.4	130	31	ZAPATOCA (SANTANDER)
1832	Ago 31 2015	15:00:44.3	6.80	-73.09	146	2.0	0.4	206	18	LOS SANTOS (SANTANDER)
1833	Ago 31 2015	17:14:58.2	2.68	-74.61	Sup	2.1	0.5	98	28	SAN VICENTE DEL CAGUAN (CAQUETA)
1834	Ago 31 2015	17:42:22.2	3.87	-71.34	Sup	3.8	0.6	190	79	PUERTO GAITAN (META)
1835	Ago 31 2015	17:53:42.6	6.83	-73.12	149	2.4	0.5	153	30	LOS SANTOS (SANTANDER)
1836	Ago 31 2015	17:55:42.5	6.83	-73.15	147	2.5	0.5	144	29	LOS SANTOS (SANTANDER)
1837	Ago 31 2015	18:10:56.0	6.79	-73.17	135	2.0	0.5	133	22	LOS SANTOS (SANTANDER)
1838	Ago 31 2015	18:54:16.9	3.81	-71.36	Sup	2.4	0.4	194	18	PUERTO GAITAN (META)
1839	Ago 31 2015	19:09:9.5	3.83	-71.36	Sup	2.4	0.5	194	22	PUERTO GAITAN (META)
1840	Ago 31 2015	19:37:40.6	7.09	-74.73	Sup	1.7	0.4	88	20	SEGOVIA (ANTIOQUIA)
1841	Ago 31 2015	19:42:53.1	6.49	-73.51	114	1.5	0.3	140	8	SIMACOTA (SANTANDER)
1842	Ago 31 2015	20:44:12.4	6.79	-73.12	149	2.0	0.4	140	27	LOS SANTOS (SANTANDER)
1843	Ago 31 2015	20:52:21.5	3.84	-71.34	Sup	2.8	0.5	194	24	PUERTO GAITAN (META)
1844	Ago 31 2015	21:42:1.3	3.80	-71.34	Sup	2.2	0.6	196	10	PUERTO GAITAN (META)
1845	Ago 31 2015	21:45:56.3	6.80	-73.10	148	1.8	0.4	204	14	LOS SANTOS (SANTANDER)
1846	Ago 31 2015	21:51:54.6	7.22	-72.23	Sup	1.8	0.5	197	14	CUBARA (BOYACA)
1847	Ago 31 2015	22:05:53.6	6.78	-73.10	148	2.2	0.4	187	26	LOS SANTOS (SANTANDER)
1848	Ago 31 2015	22:23:55.5	6.81	-73.08	142	2.0	0.4	189	21	LOS SANTOS (SANTANDER)
1849	Ago 31 2015	22:35:46.8	7.11	-75.33	10	2.0	0.4	79	21	VALDIVIA (ANTIOQUIA)
1850	Ago 31 2015	22:53:5.2	2.29	-75.76	Sup	1.1	0.2	88	12	AGRADO (HUILA)
1851	Ago 31 2015	23:13:49.8	6.80	-73.12	145	2.2	0.4	113	30	LOS SANTOS (SANTANDER)
1852	Sep 1 2015	00:56:45.4	3.99	-71.37	Sup	2.9	0.6	201	12	PUERTO GAITAN (META)
1853	Sep 1 2015	00:56:55.5	6.73	-73.28	121	2.1	0.3	145	7	ZAPATOCA (SANTANDER)
1854	Sep 1 2015	02:31:4.3	7.08	-76.04	Sup	1.7	0.3	152	12	PEQUE (ANTIOQUIA)
1855	Sep 1 2015	02:31:51.1	6.78	-73.17	147	1.9	0.3	133	12	LOS SANTOS (SANTANDER)
1856	Sep 1 2015	04:15:27.6	6.80	-73.11	149	1.6	0.4	186	12	LOS SANTOS (SANTANDER)
1857	Sep 1 2015	05:12:9.2	11.34	-73.75	9	1.8	0.6	190	12	MAR CARIBE
1858	Sep 1 2015	05:13:46.1	11.28	-73.76	Sup	1.7	0.5	181	10	MAR CARIBE
1859	Sep 1 2015	05:22:14.0	6.87	-73.27	127	1.6	0.4	164	10	BETULIA (SANTANDER)
1860	Sep 1 2015	06:51:53.1	4.36	-73.78	Sup	2.3	0.7	122	0	EL CALVARIO (META)
1861	Sep 1 2015	06:51:53.1	4.36	-73.78	0	2.3	0.7	122	34	EL CALVARIO (META)
1862	Sep 1 2015	07:22:4.9	6.06	-76.35	Sup	1.2	0.3	238	8	EL CARMEN (CHOCO)
1863	Sep 1 2015	07:44:47.4	4.41	-76.30	110	1.3	0.4	192	10	EL DOVIO (VALLE)
1864	Sep 1 2015	08:39:37.3	6.82	-73.08	140	1.7	0.4	190	13	LOS SANTOS (SANTANDER)
1865	Sep 1 2015	09:06:40.9	6.80	-73.15	140	2.1	0.4	182	28	LOS SANTOS (SANTANDER)
1866	Sep 1 2015	09:13:16.7	7.12	-75.84	14	1.5	0.3	133	8	ITUANGO (ANTIOQUIA)
1867	Sep 1 2015	09:20:17.3	5.21	-74.67	19	1.4	0.3	83	15	HONDA (TOLIMA)
1868	Sep 1 2015	09:36:39.9	5.90	-74.28	Sup	2.0	0.5	57	29	OTANCHE (BOYACA)
1869	Sep 1 2015	10:15:9.0	1.30	-79.18	15	2.3	0.5	191	12	O. PACIFICO (FRONTERA CON ECUADOR)
1870	Sep 1 2015	10:37:41.1	3.83	-71.39	Sup	3.0	0.5	233	41	PUERTO GAITAN (META)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1871	Sep 1 2015	10:52:42.1	6.83	-73.07	149	1.7	0.4	231	12	LOS SANTOS (SANTANDER)
1872	Sep 1 2015	11:24:41.1	6.82	-73.09	148	1.7	0.3	226	8	LOS SANTOS (SANTANDER)
1873	Sep 1 2015	11:32:27.5	6.83	-73.14	150	3.7	0.6	56	0	LOS SANTOS (SANTANDER)
1874	Sep 1 2015	11:32:27.5	6.83	-73.14	150	3.7	0.6	56	83	LOS SANTOS (SANTANDER)
1875	Sep 1 2015	13:28: 3.9	6.28	-73.68	103	1.9	0.5	147	18	SANTA HELENA DEL OPON (SANTANDER)
1876	Sep 1 2015	13:40:32.4	6.87	-73.16	145	1.7	0.4	210	8	ZAPATOCA (SANTANDER)
1877	Sep 1 2015	14:50:43.3	7.84	-75.09	21	2.4	0.4	100	16	CAUCASIA (ANTIOQUIA)
1878	Sep 1 2015	15:23:24.2	6.88	-73.11	135	1.6	0.3	219	8	PIEDECUESTA (SANTANDER)
1879	Sep 1 2015	17:20: 3.7	5.23	-73.75	144	1.9	0.5	155	14	CUCUNUBA (CUNDINAMARCA)
1880	Sep 1 2015	21:17:23.3	8.65	-72.96	137	2.0	0.4	98	15	EL TARRA (N.SANTANDER)
1881	Sep 1 2015	21:44:40.7	5.62	-74.78	Sup	1.3	0.4	95	15	NORCASIA (CALDAS)
1882	Sep 1 2015	22:01: 5.3	6.84	-73.29	126	1.8	0.3	106	13	ZAPATOCA (SANTANDER)
1883	Sep 1 2015	22:32: 0.1	6.79	-73.14	150	2.0	0.4	136	23	LOS SANTOS (SANTANDER)
1884	Sep 1 2015	23:05:40.2	4.57	-76.42	Sup	1.6	0.4	231	16	EL DOVIO (VALLE)
1885	Sep 1 2015	23:28:14.4	9.57	-72.93	15	2.1	0.3	120	21	FRONTERA CON VENEZUELA
1886	Sep 2 2015	00:02:20.2	3.87	-71.38	Sup	2.7	0.4	192	15	PUERTO GAITAN (META)
1887	Sep 2 2015	00:17:20.9	6.78	-73.17	136	1.9	0.6	133	22	LOS SANTOS (SANTANDER)
1888	Sep 2 2015	00:38:54.3	6.08	-73.72	106	1.6	0.5	113	17	VELEZ (SANTANDER)
1889	Sep 2 2015	00:43:29.1	5.21	-76.17	32	1.5	0.3	171	14	PUEBLO RICO (RISARALDA)
1890	Sep 2 2015	01:33: 3.2	6.79	-73.18	138	1.6	0.6	132	14	ZAPATOCA (SANTANDER)
1891	Sep 2 2015	02:22:10.8	6.78	-73.17	143	1.6	0.3	134	14	LOS SANTOS (SANTANDER)
1892	Sep 2 2015	03:57: 7.9	10.77	-72.91	18	2.0	0.4	145	9	MANAURE BALCON CESAR (CESAR)
1893	Sep 2 2015	03:59:38.6	6.80	-73.20	137	2.0	0.6	109	21	ZAPATOCA (SANTANDER)
1894	Sep 2 2015	04:01:36.5	10.84	-73.01	24	2.2	0.4	158	11	MANAURE BALCON CESAR (CESAR)
1895	Sep 2 2015	04:15:12.1	5.85	-73.81	106	1.1	0.4	89	12	JESUS MARIA (SANTANDER)
1896	Sep 2 2015	04:32:17.2	6.77	-73.20	135	1.2	0.4	229	10	ZAPATOCA (SANTANDER)
1897	Sep 2 2015	05:01:10.0	7.58	-73.82	13	1.3	0.6	132	9	SAN PABLO (BOLIVAR)
1898	Sep 2 2015	05:56:41.8	5.26	-73.73	144	1.5	0.6	134	14	CUCUNUBA (CUNDINAMARCA)
1899	Sep 2 2015	05:59:40.8	6.51	-73.57	100	1.5	0.6	92	14	SANTA HELENA DEL OPON (SANTANDER)
1900	Sep 2 2015	06:07: 4.5	6.79	-73.15	143	1.5	0.6	182	14	LOS SANTOS (SANTANDER)
1901	Sep 2 2015	06:08: 7.4	6.77	-73.17	148	1.6	0.3	232	11	LOS SANTOS (SANTANDER)
1902	Sep 2 2015	06:49:32.2	6.79	-73.16	145	1.5	0.4	235	12	LOS SANTOS (SANTANDER)
1903	Sep 2 2015	07:17: 6.1	5.30	-73.77	145	2.6	0.4	127	0	UBATE (CUNDINAMARCA)
1904	Sep 2 2015	07:17: 6.1	5.30	-73.77	145	2.6	0.4	127	43	UBATE (CUNDINAMARCA)
1905	Sep 2 2015	09:30:22.8	6.76	-73.19	146	1.4	0.5	126	13	ZAPATOCA (SANTANDER)
1906	Sep 2 2015	09:45:47.0	6.54	-73.53	108	1.6	0.6	75	27	EL CARMEN (SANTANDER)
1907	Sep 2 2015	10:42:57.7	6.24	-73.69	105	1.9	0.5	64	28	LANDAZURI (SANTANDER)
<u>1908</u>	<u>Sep 2 2015</u>	<u>12:20: 8.8</u>	<u>3.82</u>	<u>-71.36</u>	<u>Sup</u>	<u>4.0</u>	<u>0.6</u>	<u>194</u>	<u>83</u>	<u>PUERTO GAITAN (META)</u>
1909	Sep 2 2015	12:38:47.6	2.43	-75.59	12	1.4	0.5	128	12	GIGANTE (HUILA)
1910	Sep 2 2015	13:04:58.0	6.87	-73.18	159	1.6	0.3	280	8	BETULIA (SANTANDER)
1911	Sep 2 2015	13:32:17.5	6.28	-73.57	107	1.3	0.4	157	8	SANTA HELENA DEL OPON (SANTANDER)
1912	Sep 2 2015	13:36:31.0	6.75	-73.17	133	1.7	0.4	241	10	LOS SANTOS (SANTANDER)
1913	Sep 2 2015	13:38:50.0	6.74	-73.18	136	1.7	0.3	239	10	VILLANUEVA (SANTANDER)
1914	Sep 2 2015	13:45:13.6	6.83	-73.13	143	1.8	0.4	202	21	LOS SANTOS (SANTANDER)
1915	Sep 2 2015	14:02:28.2	3.81	-71.45	Sup	2.5	0.4	255	27	PUERTO GAITAN (META)
1916	Sep 2 2015	14:34:51.7	3.79	-74.11	Sup	2.5	0.5	60	41	CUBARRAL (META)
1917	Sep 2 2015	15:05:54.7	8.11	-74.41	26	1.7	0.3	154	10	MONTECRISTO (BOLIVAR)
1918	Sep 2 2015	15:55:16.3	6.81	-73.15	143	2.8	0.5	135	44	LOS SANTOS (SANTANDER)
1919	Sep 2 2015	16:03:43.6	6.75	-73.15	136	2.0	0.5	137	24	LOS SANTOS (SANTANDER)
1920	Sep 2 2015	17:19:22.6	2.05	-74.72	Sup	1.6	0.4	159	16	SAN VICENTE DEL CAGUAN (CAQUETA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1921	Sep 2 2015	17:40:55.6	6.78	-73.11	149	2.8	0.5	68	50	LOS SANTOS (SANTANDER)
1922	Sep 2 2015	18:31:27.9	3.79	-76.65	53	1.7	0.4	131	8	RESTREPO (VALLE)
1923	Sep 2 2015	21:10:18.8	5.95	-74.85	Sup	0.8	0.5	147	7	SAN LUIS (ANTIOQUIA)
1924	Sep 2 2015	22:37:50.8	4.88	-74.57	6	1.4	0.5	96	18	VIANI (CUNDINAMARCA)
1925	Sep 2 2015	23:12:11.3	7.84	-75.11	20	1.3	0.3	149	7	CAUCASIA (ANTIOQUIA)
1926	Sep 2 2015	23:55:10.3	6.95	-73.23	128	1.3	0.4	196	10	BETULIA (SANTANDER)
1927	Sep 3 2015	00:18: 1.6	6.80	-73.73	95	1.3	0.2	116	10	EL CARMEN (SANTANDER)
1928	Sep 3 2015	00:55:11.0	1.98	-75.98	16	1.0	0.2	143	10	TIMANA (HUILA)
1929	Sep 3 2015	03:12:50.1	6.95	-73.13	151	1.6	0.6	185	13	PIEDECUESTA (SANTANDER)
1930	Sep 3 2015	03:53:19.3	1.87	-76.01	7	3.2	0.4	93	0	PITALITO (HUILA)
<u>1931</u>	<u>Sep 3 2015</u>	<u>03:53:19.3</u>	<u>1.87</u>	<u>-76.01</u>	<u>7</u>	<u>3.2</u>	<u>0.4</u>	<u>93</u>	<u>52</u>	<u>PITALITO (HUILA)</u>
1932	Sep 3 2015	05:59:17.5	6.79	-73.16	141	1.4	0.4	234	10	LOS SANTOS (SANTANDER)
1933	Sep 3 2015	06:16: 8.3	6.84	-73.15	144	1.6	0.5	128	16	LOS SANTOS (SANTANDER)
1934	Sep 3 2015	06:20:10.1	1.87	-76.02	Sup	0.5	0.1	123	8	PITALITO (HUILA)
1935	Sep 3 2015	06:29: 7.5	6.85	-73.36	122	1.7	0.4	142	14	SAN VICENTE DE CHUCURI (SANTANDER)
1936	Sep 3 2015	07:15:48.0	6.77	-73.13	150	1.4	0.4	236	12	LOS SANTOS (SANTANDER)
1937	Sep 3 2015	07:47:13.6	6.80	-73.15	142	2.0	0.5	182	33	LOS SANTOS (SANTANDER)
1938	Sep 3 2015	07:49:30.8	6.79	-73.14	148	1.8	0.5	112	21	LOS SANTOS (SANTANDER)
1939	Sep 3 2015	08:13:42.5	6.78	-73.16	144	1.6	0.2	181	11	LOS SANTOS (SANTANDER)
1940	Sep 3 2015	08:15:29.3	2.21	-75.91	Sup	0.8	0.2	160	7	LA ARGENTINA (HUILA)
1941	Sep 3 2015	08:23:33.7	6.84	-73.09	146	1.2	0.3	207	7	LOS SANTOS (SANTANDER)
1942	Sep 3 2015	08:24:29.6	6.80	-73.17	144	1.4	0.3	180	11	LOS SANTOS (SANTANDER)
1943	Sep 3 2015	08:34:12.2	6.79	-73.16	150	1.4	0.4	181	8	LOS SANTOS (SANTANDER)
1944	Sep 3 2015	08:58:22.7	6.41	-77.68	9	2.3	0.1	227	6	O. PACIFICO NORTE
1945	Sep 3 2015	09:45: 9.6	6.81	-73.32	130	1.3	0.4	202	8	ZAPATOCA (SANTANDER)
1946	Sep 3 2015	09:50:10.3	6.47	-73.73	102	2.3	0.5	65	43	SANTA HELENA DEL OPON (SANTANDER)
1947	Sep 3 2015	10:15:12.0	6.79	-73.17	146	1.8	0.4	199	25	LOS SANTOS (SANTANDER)
1948	Sep 3 2015	10:25:28.6	6.82	-73.12	144	1.9	0.5	241	18	LOS SANTOS (SANTANDER)
1949	Sep 3 2015	11:45:42.6	3.58	-74.46	19	1.5	0.2	197	8	URIBE (META)
1950	Sep 3 2015	12:12:59.0	6.82	-73.13	147	2.3	0.5	113	42	LOS SANTOS (SANTANDER)
1951	Sep 3 2015	14:02:42.9	6.81	-73.13	144	1.6	0.5	137	16	LOS SANTOS (SANTANDER)
1952	Sep 3 2015	14:03:50.1	6.80	-73.15	148	3.2	0.5	55	70	LOS SANTOS (SANTANDER)
1953	Sep 3 2015	14:13: 5.8	6.53	-73.59	100	1.5	0.5	152	10	EL CARMEN (SANTANDER)
1954	Sep 3 2015	14:25:12.5	6.84	-73.43	114	1.5	0.5	80	16	SAN VICENTE DE CHUCURI (SANTANDER)
1955	Sep 3 2015	14:26:51.7	6.98	-73.96	22	1.5	0.2	125	10	YONDO (ANTIOQUIA)
1956	Sep 3 2015	15:05:18.1	3.69	-77.01	Sup	1.5	0.5	127	20	BUENAVENTURA (VALLE)
1957	Sep 3 2015	15:10:11.3	3.70	-77.02	9	1.7	0.4	127	23	BUENAVENTURA (VALLE)
1958	Sep 3 2015	17:51:53.4	6.93	-73.41	112	2.9	0.5	56	54	SAN VICENTE DE CHUCURI (SANTANDER)
1959	Sep 3 2015	18:58:56.6	6.77	-73.13	143	1.9	0.5	139	20	LOS SANTOS (SANTANDER)
1960	Sep 3 2015	19:08: 6.1	2.37	-75.63	Sup	1.8	0.5	85	18	GIGANTE (HUILA)
1961	Sep 3 2015	19:58:29.8	6.82	-73.13	142	2.5	0.5	136	40	LOS SANTOS (SANTANDER)
1962	Sep 3 2015	20:47:25.0	2.45	-75.65	Sup	1.7	0.3	80	21	TESALIA (HUILA)
1963	Sep 3 2015	20:58:45.2	3.86	-71.38	Sup	2.5	0.4	192	21	PUERTO GAITAN (META)
1964	Sep 3 2015	21:29:45.6	3.51	-74.48	Sup	1.4	0.4	102	17	URIBE (META)
1965	Sep 3 2015	22:03:14.3	6.38	-73.63	103	2.1	0.3	66	33	SANTA HELENA DEL OPON (SANTANDER)
1966	Sep 3 2015	22:39: 7.4	3.75	-75.71	Sup	1.3	0.3	102	11	CHAPARRAL (TOLIMA)
1967	Sep 3 2015	23:00:49.8	5.12	-74.90	Sup	0.8	0.1	214	7	FALAN (TOLIMA)
1968	Sep 3 2015	23:09:55.2	2.44	-75.36	17	1.7	0.4	97	23	ALGECIRAS (HUILA)
1969	Sep 4 2015	00:16:35.8	6.79	-73.14	142	2.7	0.4	120	50	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1970	Sep 4 2015	01:05:37.5	3.81	-71.37	Sup	3.1	0.7	194	56	PUERTO GAITAN (META)
1971	Sep 4 2015	01:36:24.1	7.08	-75.62	6	1.5	0.4	105	14	BRICENO (ANTIOQUIA)
1972	Sep 4 2015	01:50:25.8	3.81	-71.39	Sup	3.1	0.7	194	39	PUERTO GAITAN (META)
1973	Sep 4 2015	02:19:32.5	6.79	-73.15	146	1.5	0.3	136	15	LOS SANTOS (SANTANDER)
1974	Sep 4 2015	02:27: 8.2	6.78	-73.12	143	1.8	0.5	140	21	LOS SANTOS (SANTANDER)
1975	Sep 4 2015	02:43: 9.8	6.79	-73.12	148	1.5	0.5	140	14	LOS SANTOS (SANTANDER)
1976	Sep 4 2015	02:51:38.3	6.14	-73.81	95	1.0	0.2	193	8	LANDAZURI (SANTANDER)
1977	Sep 4 2015	02:52:56.8	6.83	-73.18	142	1.8	0.4	130	22	ZAPATOCA (SANTANDER)
1978	Sep 4 2015	03:17:13.0	6.82	-73.14	147	2.9	0.5	65	54	LOS SANTOS (SANTANDER)
1979	Sep 4 2015	03:53:55.6	5.64	-75.89	Sup	0.9	0.3	243	8	ANDES (ANTIOQUIA)
1980	Sep 4 2015	04:17:25.8	6.90	-72.96	176	1.9	0.4	156	15	SANTA BARBARA (SANTANDER)
1981	Sep 4 2015	04:17:53.3	6.80	-73.13	141	2.5	0.6	66	46	LOS SANTOS (SANTANDER)
1982	Sep 4 2015	04:32:46.2	5.76	-74.27	82	1.0	0.3	132	8	OTANCHE (BOYACA)
1983	Sep 4 2015	04:44:23.4	6.34	-73.46	Sup	1.0	0.5	91	12	CONTRATAACION (SANTANDER)
1984	Sep 4 2015	05:25:18.2	6.24	-72.38	Sup	2.4	0.7	101	31	CHITA (BOYACA)
1985	Sep 4 2015	06:02:51.2	6.04	-75.80	17	1.3	0.5	108	12	TITIRIBI (ANTIOQUIA)
1986	Sep 4 2015	06:05: 1.3	4.30	-77.85	29	1.8	0.5	232	16	O. PACIFICO CENTRO
1987	Sep 4 2015	06:45:58.3	6.79	-73.14	143	1.7	0.4	137	25	LOS SANTOS (SANTANDER)
1988	Sep 4 2015	06:58: 6.8	6.80	-73.14	147	1.7	0.4	183	24	LOS SANTOS (SANTANDER)
1989	Sep 4 2015	07:06:55.8	3.65	-76.90	Sup	1.1	0.4	142	10	DAGUA (VALLE)
1990	Sep 4 2015	07:10: 5.0	3.81	-71.42	8	2.4	0.6	232	25	PUERTO GAITAN (META)
1991	Sep 4 2015	07:24:18.9	4.09	-71.31	Sup	2.1	0.3	310	12	OROCUE (CASANARE)
1992	Sep 4 2015	07:29: 4.1	6.78	-73.10	148	1.5	0.4	240	16	LOS SANTOS (SANTANDER)
1993	Sep 4 2015	08:03:43.8	6.85	-73.26	126	1.7	0.4	165	17	ZAPATOCA (SANTANDER)
1994	Sep 4 2015	08:04:16.8	4.33	-77.73	27	1.7	0.5	241	7	O. PACIFICO CENTRO
1995	Sep 4 2015	09:19:46.9	9.58	-77.48	20	1.7	0.4	235	10	MAR CARIBE (FRONTERA CON PANAMA)
1996	Sep 4 2015	09:27:16.1	6.96	-76.33	12	1.1	0.5	303	8	DABEIBA (ANTIOQUIA)
1997	Sep 4 2015	09:28:24.4	8.24	-74.33	55	1.8	0.3	86	15	MONTECRISTO (BOLIVAR)
1998	Sep 4 2015	09:45:30.5	6.83	-73.09	151	1.8	0.4	189	17	LOS SANTOS (SANTANDER)
1999	Sep 4 2015	09:48:30.2	2.50	-79.85	33	2.9	0.5	265	27	O. PACIFICO SUR
2000	Sep 4 2015	10:12:16.1	10.64	-73.53	Sup	1.6	0.4	128	8	PUEBLO BELLO (CESAR)
2001	Sep 4 2015	10:44:17.1	6.83	-73.14	146	2.1	0.6	70	33	LOS SANTOS (SANTANDER)
2002	Sep 4 2015	11:40:52.9	6.54	-73.61	102	1.8	0.2	94	12	EL CARMEN (SANTANDER)
2003	Sep 4 2015	12:58:17.9	6.80	-73.13	140	2.4	0.5	71	42	LOS SANTOS (SANTANDER)
2004	Sep 4 2015	13:07:16.6	4.62	-75.93	16	2.3	0.5	143	0	OBANDO (VALLE)
2005	Sep 4 2015	13:07:16.6	4.62	-75.93	16	2.3	0.5	143	27	OBANDO (VALLE)
2006	Sep 4 2015	13:35: 3.7	6.79	-73.16	139	2.0	0.5	134	16	LOS SANTOS (SANTANDER)
2007	Sep 4 2015	13:36:58.0	5.27	-73.74	149	3.6	0.6	119	0	CUCUNUBA (CUNDINAMARCA)
2008	Sep 4 2015	13:36:58.0	5.27	-73.74	149	3.6	0.6	119	74	CUCUNUBA (CUNDINAMARCA)
2009	Sep 4 2015	13:53: 1.5	4.06	-73.78	26	1.6	0.3	191	10	ACACIAS (META)
2010	Sep 4 2015	14:24:58.7	5.62	-74.79	8	1.2	0.5	186	10	NORCASIA (CALDAS)
2011	Sep 4 2015	16:00:47.6	6.79	-73.14	140	2.3	0.5	71	29	LOS SANTOS (SANTANDER)
2012	Sep 4 2015	17:06:23.5	6.76	-73.14	138	1.9	0.4	96	9	LOS SANTOS (SANTANDER)
2013	Sep 4 2015	19:16:36.1	6.80	-73.14	146	2.9	0.5	71	0	LOS SANTOS (SANTANDER)
2014	Sep 4 2015	19:16:36.1	6.80	-73.14	146	2.9	0.5	71	45	LOS SANTOS (SANTANDER)
2015	Sep 4 2015	19:26:12.7	2.46	-75.58	12	1.7	0.4	68	19	GIGANTE (HUILA)
2016	Sep 4 2015	19:28:32.8	6.76	-73.16	141	1.9	0.4	135	17	LOS SANTOS (SANTANDER)
2017	Sep 4 2015	19:33:20.9	4.88	-74.82	13	1.9	0.6	80	22	LERIDA (TOLIMA)
2018	Sep 4 2015	20:36:42.7	6.78	-73.11	150	1.8	0.4	141	16	LOS SANTOS (SANTANDER)
2019	Sep 4 2015	20:42:10.5	6.25	-73.90	13	1.4	0.4	111	10	CIMITARRA (SANTANDER)
2020	Sep 4 2015	20:59: 1.7	5.76	-75.99	32	3.3	0.5	48	0	BETANIA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2021	Sep 4 2015	20:59: 1.7	5.76	-75.99	32	3.3	0.5	48	81	BETANIA (ANTIOQUIA)
2022	Sep 4 2015	22:30:52.9	4.88	-78.33	13	1.9	0.5	312	13	O. PACIFICO CENTRO
2023	Sep 4 2015	22:48:47.9	2.30	-75.76	21	1.2	0.2	133	9	AGRADO (HUILA)
2024	Sep 4 2015	23:14:57.6	4.06	-76.60	58	1.4	0.5	141	14	CALIMA (VALLE)
2025	Sep 5 2015	00:07:51.8	6.80	-73.15	140	2.0	0.4	135	23	LOS SANTOS (SANTANDER)
2026	Sep 5 2015	02:06:35.4	7.18	-75.53	Sup	1.4	0.4	104	9	BRICENO (ANTIOQUIA)
2027	Sep 5 2015	03:02:46.8	6.72	-73.24	144	1.0	0.2	205	7	VILLANUEVA (SANTANDER)
2028	Sep 5 2015	03:11:14.6	3.00	-74.65	19	1.1	0.3	155	8	URIBE (META)
2029	Sep 5 2015	03:17:31.3	7.05	-76.13	Sup	1.8	0.5	155	16	DABEIBA (ANTIOQUIA)
2030	Sep 5 2015	04:12:41.2	4.18	-76.49	59	1.5	0.4	118	15	TRUJILLO (VALLE)
2031	Sep 5 2015	04:40:59.1	6.77	-73.21	138	1.6	0.4	98	13	ZAPATOCA (SANTANDER)
2032	Sep 5 2015	06:01:14.9	7.85	-74.93	21	2.6	0.5	74	40	NECHI (ANTIOQUIA)
2033	Sep 5 2015	06:15:17.7	2.41	-77.97	23	2.1	0.5	110	12	SANTA BARBARA (NARINO)
2034	Sep 5 2015	06:26:20.3	7.26	-72.67	Sup	1.5	0.4	149	8	CACOTA (N.SANTANDER)
2035	Sep 5 2015	06:35:27.6	5.69	-74.34	18	1.0	0.4	105	10	OTANCHE (BOYACA)
2036	Sep 5 2015	06:49:52.6	6.75	-73.14	139	1.5	0.5	155	13	LOS SANTOS (SANTANDER)
2037	Sep 5 2015	07:03: 1.7	6.83	-73.16	143	2.2	0.6	69	30	LOS SANTOS (SANTANDER)
2038	Sep 5 2015	07:08:36.6	2.95	-78.03	13	1.8	0.2	177	9	O. PACIFICO SUR
2039	Sep 5 2015	07:52: 3.6	6.82	-73.13	144	3.3	0.6	71	0	LOS SANTOS (SANTANDER)
2040	Sep 5 2015	07:52: 3.6	6.82	-73.13	144	3.3	0.6	71	69	LOS SANTOS (SANTANDER)
2041	Sep 5 2015	09:13: 4.7	6.79	-73.07	148	2.0	0.6	190	23	LOS SANTOS (SANTANDER)
2042	Sep 5 2015	09:32:22.6	6.83	-73.08	142	2.1	0.5	189	14	LOS SANTOS (SANTANDER)
2043	Sep 5 2015	10:59:39.9	-0.06	-73.96	Sup	3.4	0.6	235	49	PUERTO LEGUIZAMO (PUTUMAYO)
2044	Sep 5 2015	11:56:27.8	6.77	-73.08	145	2.1	0.4	189	26	LOS SANTOS (SANTANDER)
2045	Sep 5 2015	12:03:47.3	6.83	-73.13	141	1.7	0.4	202	11	LOS SANTOS (SANTANDER)
2046	Sep 5 2015	12:33:43.0	6.76	-73.17	143	1.7	0.3	134	15	LOS SANTOS (SANTANDER)
2047	Sep 5 2015	13:28: 4.9	10.71	-75.54	32	3.5	0.5	227	30	MAR CARIBE
2048	Sep 5 2015	17:30:30.6	6.79	-73.15	149	1.8	0.4	135	12	LOS SANTOS (SANTANDER)
2049	Sep 5 2015	17:56:12.3	7.71	-74.60	31	2.5	0.4	73	26	EL BAGRE (ANTIOQUIA)
2050	Sep 5 2015	18:16:38.5	6.82	-73.15	141	2.3	0.4	135	28	LOS SANTOS (SANTANDER)
2051	Sep 5 2015	19:48:15.0	3.82	-71.37	Sup	3.0	0.6	234	32	PUERTO GAITAN (META)
2052	Sep 5 2015	21:18:47.0	8.15	-77.28	Sup	2.4	0.5	111	11	FRONTERA CON PANAMA
2053	Sep 5 2015	23:11:58.1	6.60	-73.36	124	2.0	0.4	63	26	HATO (SANTANDER)
2054	Sep 5 2015	23:14:53.7	4.00	-76.41	135	4.5	0.4	44	0	CALIMA (CALLE)
2055	Sep 5 2015	23:14:53.7	4.00	-76.41	135	4.5	0.4	44	143	CALIMA (CALLE)
2056	Sep 5 2015	23:58:35.4	6.76	-73.18	153	1.4	0.3	133	9	LOS SANTOS (SANTANDER)
2057	Sep 6 2015	00:43:52.7	2.60	-79.51	Sup	2.6	0.5	237	12	O. PACIFICO SUR
2058	Sep 6 2015	01:16: 6.2	2.79	-76.64	122	1.7	0.3	156	13	MORALES (CAUCA)
2059	Sep 6 2015	02:51:46.7	4.79	-76.18	95	1.1	0.4	231	7	EL CAIRO (VALLE)
2060	Sep 6 2015	03:00:41.9	6.31	-75.95	67	0.9	0.3	153	7	CAICEDO (ANTIOQUIA)
2061	Sep 6 2015	05:31: 8.9	6.28	-73.71	114	1.0	0.5	88	9	LANDAZURI (SANTANDER)
2062	Sep 6 2015	05:32:11.4	6.80	-73.12	146	1.7	0.6	138	17	LOS SANTOS (SANTANDER)
2063	Sep 6 2015	05:36:17.6	6.81	-73.10	148	2.1	0.6	122	34	LOS SANTOS (SANTANDER)
2064	Sep 6 2015	05:39:34.9	3.93	-76.27	113	1.2	0.5	111	10	BUGA (VALLE)
2065	Sep 6 2015	05:46:44.1	6.69	-73.12	135	1.2	0.6	143	11	JORDAN (SANTANDER)
2066	Sep 6 2015	06:10:41.4	4.48	-78.19	20	1.7	0.6	278	10	O. PACIFICO CENTRO
2067	Sep 6 2015	06:13:48.5	6.76	-73.20	142	1.2	0.4	227	9	ZAPATOCA (SANTANDER)
2068	Sep 6 2015	07:48: 5.0	5.98	-77.50	23	2.2	0.6	223	18	O. PACIFICO NORTE
2069	Sep 6 2015	08:00:14.2	7.19	-76.17	Sup	1.1	0.4	216	8	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2070	Sep 6 2015	08:23:29.6	8.28	-74.54	Sup	2.2	0.6	97	32	MONTECRISTO (BOLIVAR)
2071	Sep 6 2015	08:39:39.3	6.82	-73.16	142	1.3	0.2	182	10	LOS SANTOS (SANTANDER)
2072	Sep 6 2015	08:43:22.1	6.82	-73.11	147	3.3	0.6	72	0	LOS SANTOS (SANTANDER)
2073	Sep 6 2015	08:43:22.1	6.82	-73.11	147	3.3	0.6	72	61	LOS SANTOS (SANTANDER)
2074	Sep 6 2015	08:48: 2.5	9.12	-73.12	134	2.2	0.6	185	0	CURUMANI (CESAR)
2075	Sep 6 2015	08:48: 2.5	9.12	-73.12	134	2.2	0.6	185	22	CURUMANI (CESAR)
2076	Sep 6 2015	09:32:11.4	7.43	-73.22	125	1.5	0.5	209	9	EL PLAYON (SANTANDER)
2077	Sep 6 2015	11:52:52.8	6.80	-73.11	143	1.8	0.5	187	15	LOS SANTOS (SANTANDER)
2078	Sep 6 2015	12:31:46.3	5.62	-74.86	Sup	1.0	0.3	230	10	NORCASIA (CALDAS)
2079	Sep 6 2015	12:32:56.3	6.81	-73.12	144	2.6	0.4	185	36	LOS SANTOS (SANTANDER)
2080	Sep 6 2015	12:50:22.4	6.69	-73.19	139	1.6	0.3	224	10	VILLANUEVA (SANTANDER)
2081	Sep 6 2015	13:57: 5.5	6.70	-73.20	144	1.6	0.4	221	7	VILLANUEVA (SANTANDER)
2082	Sep 6 2015	14:12:14.0	3.83	-71.43	Sup	2.7	0.7	231	10	PUERTO GAITAN (META)
2083	Sep 6 2015	15:25:24.8	8.14	-74.31	14	2.0	0.3	160	8	MONTECRISTO (BOLIVAR)
2084	Sep 6 2015	16:55:30.2	6.81	-73.14	144	2.7	0.5	136	48	LOS SANTOS (SANTANDER)
2085	Sep 6 2015	17:25:14.2	7.29	-76.37	13	1.8	0.5	272	8	MUTATA (ANTIOQUIA)
2086	Sep 6 2015	20:28:30.5	6.98	-76.61	Sup	1.7	0.4	263	15	MURINDO (ANTIOQUIA)
2087	Sep 6 2015	21:14:59.1	6.77	-73.11	146	1.7	0.3	142	18	LOS SANTOS (SANTANDER)
2088	Sep 6 2015	22:08:52.2	8.94	-76.63	68	1.7	0.3	169	14	MAR CARIBE
2089	Sep 6 2015	22:21:43.0	5.09	-74.81	Sup	0.8	0.4	231	7	ARMERO (TOLIMA)
2090	Sep 6 2015	23:21:46.7	6.86	-73.28	121	1.7	0.4	160	20	BETULIA (SANTANDER)
2091	Sep 6 2015	23:48:12.4	6.81	-73.08	144	1.4	0.4	189	10	LOS SANTOS (SANTANDER)
2092	Sep 6 2015	23:57:48.7	5.68	-74.00	104	1.8	0.4	88	31	PAUNA (BOYACA)
2093	Sep 7 2015	02:21: 4.0	3.90	-76.24	25	1.3	0.6	111	16	BUGA (VALLE)
2094	Sep 7 2015	02:57:11.8	6.30	-73.54	115	2.4	0.5	80	38	CONTRATACION (SANTANDER)
2095	Sep 7 2015	03:01: 3.6	10.85	-73.34	79	2.3	0.3	141	10	LA PAZ (CESAR)
2096	Sep 7 2015	03:26:23.6	5.70	-73.01	Sup	2.3	0.6	139	25	TIBASOSA (BOYACA)
2097	Sep 7 2015	03:57:27.5	6.55	-73.48	111	1.9	0.6	77	29	EL CARMEN (SANTANDER)
2098	Sep 7 2015	05:13:30.7	2.01	-75.88	Sup	1.0	0.4	128	9	TIMANA (HUILA)
2099	Sep 7 2015	05:17:33.7	6.79	-73.15	145	1.7	0.4	182	10	LOS SANTOS (SANTANDER)
2100	Sep 7 2015	05:20: 9.2	2.73	-78.31	52	1.6	0.4	266	7	O. PACIFICO SUR
<u>2101</u>	<u>Sep 7 2015</u>	<u>05:51:17.2</u>	<u>8.68</u>	<u>-77.89</u>	<u>8</u>	<u>4.2</u>	<u>0.5</u>	<u>131</u>	<u>0</u>	<u>FRONTERA CON PANAMA</u>
<u>2102</u>	<u>Sep 7 2015</u>	<u>05:51:17.2</u>	<u>8.68</u>	<u>-77.89</u>	<u>8</u>	<u>4.2</u>	<u>0.5</u>	<u>131</u>	<u>107</u>	<u>FRONTERA CON PANAMA</u>
2103	Sep 7 2015	06:11: 5.4	6.83	-73.14	142	2.3	0.6	184	29	LOS SANTOS (SANTANDER)
2104	Sep 7 2015	06:13: 5.0	9.98	-74.97	23	3.2	0.6	145	47	EL GUAMO (BOLIVAR)
2105	Sep 7 2015	06:44:52.6	6.81	-73.11	142	2.2	0.5	187	30	LOS SANTOS (SANTANDER)
2106	Sep 7 2015	07:03:37.1	6.81	-73.12	141	1.7	0.4	185	16	LOS SANTOS (SANTANDER)
2107	Sep 7 2015	07:13:55.2	3.94	-71.17	10	1.9	0.3	301	6	OROCUE (CASANARE)
2108	Sep 7 2015	07:22:54.3	6.80	-73.12	149	1.6	0.5	185	12	LOS SANTOS (SANTANDER)
2109	Sep 7 2015	08:04:15.5	4.88	-76.23	106	1.4	0.2	236	7	SAN JOSE DEL PALMAR (CHOCO)
2110	Sep 7 2015	10:02:48.7	10.10	-73.31	108	2.3	0.6	155	17	AGUSTIN CODAZZI (CESAR)
2111	Sep 7 2015	10:41:46.9	5.75	-74.00	96	1.4	0.5	169	7	FLORIAN (SANTANDER)
2112	Sep 7 2015	10:56: 4.8	6.82	-73.15	146	2.1	0.5	113	23	LOS SANTOS (SANTANDER)
2113	Sep 7 2015	10:59:51.1	8.11	-73.06	137	1.8	0.6	240	8	ABREGO (N.SANTANDER)
2114	Sep 7 2015	11:14:27.4	4.16	-76.20	142	2.6	0.6	55	0	ANDALUCIA (VALLE)
2115	Sep 7 2015	11:14:27.4	4.16	-76.20	142	2.6	0.6	55	39	ANDALUCIA (VALLE)
2116	Sep 7 2015	11:27:31.1	6.80	-73.15	148	2.1	0.4	182	22	LOS SANTOS (SANTANDER)
2117	Sep 7 2015	11:38:26.5	8.32	-77.12	56	2.7	0.6	129	0	ACANDI (CHOCO)
2118	Sep 7 2015	11:38:26.5	8.32	-77.12	56	2.7	0.6	129	27	ACANDI (CHOCO)
2119	Sep 7 2015	13:40:49.0	7.07	-73.35	Sup	1.7	0.5	182	14	LEBRIJA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2120	Sep 7 2015	15:08:18.9	6.82	-73.17	143	2.5	0.6	132	31	ZAPATOCA (SANTANDER)
2121	Sep 7 2015	15:51:56.8	7.64	-73.10	141	1.9	0.3	147	11	CACHIRA (N.SANTANDER)
2122	Sep 7 2015	15:55:46.5	6.79	-73.13	144	3.7	0.6	72	0	LOS SANTOS (SANTANDER)
2123	Sep 7 2015	15:55:46.5	6.79	-73.13	144	3.7	0.6	72	77	LOS SANTOS (SANTANDER)
2124	Sep 7 2015	15:59:45.3	7.75	-72.74	Sup	2.4	0.6	194	15	SALAZAR (N.SANTANDER)
2125	Sep 7 2015	17:28: 5.0	1.91	-75.99	10	2.3	0.4	107	32	PITALITO (HUILA)
<u>2126</u>	<u>Sep 7 2015</u>	<u>17:35:31.7</u>	<u>6.81</u>	<u>-73.14</u>	<u>150</u>	<u>4.4</u>	<u>0.6</u>	<u>67</u>	<u>0</u>	<u>LOS SANTOS (SANTANDER)</u>
2127	Sep 7 2015	17:35:31.7	6.81	-73.14	150	4.4	0.6	67	105	LOS SANTOS (SANTANDER)
2128	Sep 7 2015	18:02:35.5	7.24	-73.71	94	2.0	0.5	65	25	PUERTO WILCHES (SANTANDER)
2129	Sep 7 2015	18:03:14.0	6.77	-73.15	143	2.6	0.5	65	49	LOS SANTOS (SANTANDER)
2130	Sep 7 2015	18:47:26.4	6.82	-73.17	144	1.7	0.4	132	19	ZAPATOCA (SANTANDER)
2131	Sep 7 2015	18:55:48.9	3.83	-71.35	Sup	2.3	0.3	290	13	PUERTO GAITAN (META)
2132	Sep 7 2015	21:55:31.0	3.72	-76.72	95	1.5	0.5	129	12	DAGUA (VALLE)
2133	Sep 7 2015	21:58:14.1	4.86	-77.68	35	3.5	0.6	162	0	O. PACIFICO CENTRO
2134	Sep 7 2015	21:58:14.1	4.86	-77.68	35	3.5	0.6	162	82	O. PACIFICO CENTRO
2135	Sep 7 2015	22:16:48.5	3.72	-76.96	Sup	2.0	0.5	118	22	BUENAVENTURA (VALLE)
2136	Sep 7 2015	22:22:26.5	5.03	-74.78	Sup	1.9	0.5	62	29	ARMERO (TOLIMA)
2137	Sep 7 2015	22:46:13.5	6.80	-73.14	146	2.4	0.5	137	36	LOS SANTOS (SANTANDER)
2138	Sep 8 2015	00:01:54.7	6.84	-73.08	146	1.6	0.4	247	8	LOS SANTOS (SANTANDER)
2139	Sep 8 2015	01:35:20.4	8.54	-73.13	127	2.0	0.5	142	33	EL TARRA (N.SANTANDER)
2140	Sep 8 2015	02:47:59.5	4.81	-75.17	54	0.9	0.4	142	10	MURILLO (TOLIMA)
2141	Sep 8 2015	03:38:21.6	5.96	-72.50	Sup	1.7	0.5	215	13	SOCOTA (BOYACA)
2142	Sep 8 2015	04:17:23.0	6.78	-73.13	142	2.2	0.5	184	36	LOS SANTOS (SANTANDER)
2143	Sep 8 2015	05:09:29.3	5.99	-73.75	117	1.2	0.5	125	9	BOLIVAR (SANTANDER)
2144	Sep 8 2015	05:13:25.4	7.45	-73.16	131	1.6	0.3	218	10	EL PLAYON (SANTANDER)
2145	Sep 8 2015	05:20:42.9	6.42	-73.72	94	1.3	0.5	75	15	SANTA HELENA DEL OPON (SANTANDER)
2146	Sep 8 2015	05:23:23.8	6.84	-73.06	150	2.1	0.5	191	35	LOS SANTOS (SANTANDER)
2147	Sep 8 2015	05:29:48.1	1.60	-76.08	18	1.1	0.2	196	10	PALESTINA (HUILA)
2148	Sep 8 2015	05:32:49.4	6.71	-73.17	130	1.5	0.5	227	12	VILLANUEVA (SANTANDER)
2149	Sep 8 2015	05:34:17.5	6.74	-73.18	134	1.3	0.4	228	9	VILLANUEVA (SANTANDER)
2150	Sep 8 2015	05:35:39.6	6.76	-73.14	150	1.0	0.4	236	8	LOS SANTOS (SANTANDER)
2151	Sep 8 2015	05:40:50.1	6.72	-73.17	159	1.1	0.4	229	8	VILLANUEVA (SANTANDER)
2152	Sep 8 2015	06:22:40.3	6.84	-73.13	145	2.3	0.5	114	34	LOS SANTOS (SANTANDER)
2153	Sep 8 2015	07:22: 3.0	4.28	-76.69	74	1.5	0.5	167	14	SIPI (CHOCO)
2154	Sep 8 2015	07:39:11.1	6.71	-73.22	143	1.2	0.5	211	10	VILLANUEVA (SANTANDER)
2155	Sep 8 2015	07:42:27.2	6.78	-73.16	142	1.3	0.4	234	10	LOS SANTOS (SANTANDER)
2156	Sep 8 2015	08:31:30.2	6.79	-73.09	152	2.2	0.5	114	37	LOS SANTOS (SANTANDER)
2157	Sep 8 2015	09:54:50.8	6.82	-73.14	148	2.2	0.5	183	22	LOS SANTOS (SANTANDER)
2158	Sep 8 2015	09:59:36.7	5.64	-79.71	40	2.7	0.6	191	22	O. PACIFICO NORTE
2159	Sep 8 2015	10:00: 2.7	7.53	-75.43	16	1.7	0.4	119	10	TARAZA (ANTIOQUIA)
2160	Sep 8 2015	10:10:24.0	7.09	-73.22	132	1.5	0.2	262	7	LEBRIJA (SANTANDER)
2161	Sep 8 2015	10:11:34.2	7.67	-72.12	Sup	1.9	0.5	224	8	FRONTERA CON VENEZUELA
2162	Sep 8 2015	10:20:18.8	6.76	-73.34	141	1.3	0.6	155	9	ZAPATOCA (SANTANDER)
2163	Sep 8 2015	10:32:45.8	6.82	-73.14	141	2.4	0.5	103	0	LOS SANTOS (SANTANDER)
2164	Sep 8 2015	10:32:45.8	6.82	-73.14	141	2.4	0.5	103	37	LOS SANTOS (SANTANDER)
2165	Sep 8 2015	11:30:36.3	3.97	-76.32	112	1.3	0.2	196	10	BUGA (VALLE)
2166	Sep 8 2015	11:44:40.0	5.88	-73.92	29	1.6	0.5	123	13	LA BELLEZA (SANTANDER)
2167	Sep 8 2015	13:08:32.2	6.76	-73.18	142	1.7	0.2	230	10	LOS SANTOS (SANTANDER)
2168	Sep 8 2015	13:27: 7.3	6.77	-73.16	142	1.6	0.3	148	14	LOS SANTOS (SANTANDER)
2169	Sep 8 2015	13:29:20.9	6.81	-73.12	132	1.5	0.4	221	9	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2170	Sep 8 2015	13:36:23.0	6.51	-73.53	106	1.3	0.5	158	6	EL CARMEN (SANTANDER)
2171	Sep 8 2015	14:17:18.0	6.87	-73.29	122	2.1	0.4	158	28	BETULIA (SANTANDER)
2172	Sep 8 2015	14:42:44.6	3.86	-71.36	10	3.3	0.7	193	0	PUERTO GAITAN (META)
2173	Sep 8 2015	14:42:44.6	3.86	-71.36	10	3.3	0.7	193	41	PUERTO GAITAN (META)
2174	Sep 8 2015	15:01:32.1	7.50	-74.61	43	1.2	0.1	148	7	EL BAGRE (ANTIOQUIA)
2175	Sep 8 2015	16:52:49.5	6.53	-72.23	Sup	2.6	0.6	75	22	GUICAN (BOYACA)
2176	Sep 8 2015	17:51: 8.9	6.78	-73.17	147	1.9	0.5	134	13	LOS SANTOS (SANTANDER)
2177	Sep 8 2015	21:24:12.0	5.31	-73.71	150	2.3	0.6	131	33	LENGUAZAUQUE (CUNDINAMARCA)
2178	Sep 8 2015	21:45:20.3	3.17	-75.91	Sup	1.4	0.6	108	18	PLANADAS (TOLIMA)
2179	Sep 8 2015	21:49:31.3	6.62	-73.54	102	1.4	0.4	63	15	EL CARMEN (SANTANDER)
2180	Sep 8 2015	22:29:38.1	4.75	-76.16	105	1.4	0.3	227	10	ARGELIA (VALLE)
2181	Sep 8 2015	23:20:11.6	6.78	-73.93	23	1.9	0.4	108	16	PUERTO PARRA (SANTANDER)
2182	Sep 8 2015	23:29:44.0	4.17	-75.87	Sup	1.3	0.4	138	12	GENOVA (QUINDIO)
2183	Sep 9 2015	01:04:26.5	5.86	-72.61	Sup	1.2	0.6	206	12	SOCHA (BOYACA)
2184	Sep 9 2015	01:06:27.6	6.13	-72.43	Sup	2.9	0.6	98	44	CHITA (BOYACA)
2185	Sep 9 2015	01:15:52.7	6.76	-73.18	142	1.4	0.3	230	8	LOS SANTOS (SANTANDER)
2186	Sep 9 2015	01:21:23.0	6.85	-73.11	143	1.8	0.6	204	14	LOS SANTOS (SANTANDER)
2187	Sep 9 2015	01:23:29.9	6.89	-74.81	Sup	0.9	0.4	139	6	VEGACHI (ANTIOQUIA)
2188	Sep 9 2015	01:34: 4.3	6.73	-73.14	145	1.5	0.4	140	9	LOS SANTOS (SANTANDER)
2189	Sep 9 2015	02:25: 9.4	6.79	-73.17	141	1.5	0.3	134	11	LOS SANTOS (SANTANDER)
2190	Sep 9 2015	02:34:35.5	5.28	-73.76	142	2.2	0.6	117	0	CUCUNUBA (CUNDINAMARCA)
2191	Sep 9 2015	02:34:35.5	5.28	-73.76	142	2.2	0.6	117	36	CUCUNUBA (CUNDINAMARCA)
2192	Sep 9 2015	04:32:37.8	3.68	-76.94	12	1.0	0.3	119	8	BUENAVENTURA (VALLE)
2193	Sep 9 2015	06:16:17.8	1.89	-76.02	Sup	2.6	0.6	92	0	PITALITO (HUILA)
2194	Sep 9 2015	06:16:17.8	1.89	-76.02	0	2.6	0.6	92	34	PITALITO (HUILA)
2195	Sep 9 2015	06:19:48.2	5.72	-75.83	18	1.3	0.5	155	10	PUEBLORRICO (ANTIOQUIA)
2196	Sep 9 2015	06:30:11.9	8.66	-73.52	12	2.5	0.6	133	31	PELAYA (CESAR)
2197	Sep 9 2015	07:10: 3.0	7.55	-74.07	Sup	1.8	0.6	95	16	SAN PABLO (BOLIVAR)
2198	Sep 9 2015	07:13:15.1	6.81	-73.14	144	2.7	0.5	71	0	LOS SANTOS (SANTANDER)
2199	Sep 9 2015	07:13:15.1	6.81	-73.14	144	2.7	0.5	71	47	LOS SANTOS (SANTANDER)
2200	Sep 9 2015	08:06: 7.2	3.07	-74.53	Sup	1.1	0.5	173	8	URIBE (META)
2201	Sep 9 2015	08:33: 9.3	6.83	-73.16	142	1.7	0.4	181	12	LOS SANTOS (SANTANDER)
2202	Sep 9 2015	08:35:52.7	6.81	-73.13	143	1.1	0.6	216	9	LOS SANTOS (SANTANDER)
2203	Sep 9 2015	11:37:50.9	6.89	-73.12	158	1.9	0.4	200	12	PIEDECUESTA (SANTANDER)
2204	Sep 9 2015	12:29:48.3	6.77	-73.16	147	1.7	0.5	234	13	LOS SANTOS (SANTANDER)
2205	Sep 9 2015	12:38:43.1	6.80	-73.16	145	2.1	0.4	199	22	LOS SANTOS (SANTANDER)
2206	Sep 9 2015	14:52: 8.2	3.78	-76.64	119	2.6	0.5	89	30	RESTREPO (VALLE)
2207	Sep 9 2015	15:51:48.0	4.76	-76.15	87	1.4	0.2	226	8	ARGELIA (VALLE)
2208	Sep 9 2015	20:23: 6.2	7.80	-75.47	Sup	1.5	0.6	278	7	MONTELIBANO (CORDOBA)
2209	Sep 9 2015	20:25:16.8	3.81	-73.10	Sup	1.8	0.3	199	7	SAN CARLOS DE GUAROA (META)
2210	Sep 9 2015	20:25:52.7	6.82	-73.15	147	1.6	0.3	216	8	LOS SANTOS (SANTANDER)
2211	Sep 10 2015	00:05: 2.2	4.80	-76.23	101	1.9	0.2	185	16	EL CAIRO (VALLE)
2212	Sep 10 2015	03:01:37.6	6.59	-73.47	115	2.5	0.4	85	28	EL CARMEN (SANTANDER)
2213	Sep 10 2015	04:52:52.9	5.71	-74.37	71	1.3	0.4	142	12	OTANCHE (BOYACA)
2214	Sep 10 2015	05:00:17.9	4.77	-75.37	Sup	0.9	0.6	164	10	MURILLO (TOLIMA)
2215	Sep 10 2015	05:51: 6.2	0.94	-79.52	32	2.5	0.4	169	12	FRONTERA CON ECUADOR
2216	Sep 10 2015	06:04:10.0	6.75	-75.70	Sup	1.6	0.4	99	16	SAN JOSE DE LA MONTANA (ANTIOQUIA)
2217	Sep 10 2015	06:30:31.4	6.79	-73.13	150	1.9	0.4	138	19	LOS SANTOS (SANTANDER)
2218	Sep 10 2015	08:03:38.5	4.73	-76.21	93	2.0	0.4	169	22	EL CAIRO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2219	Sep 10 2015	11:02:14.9	6.81	-73.13	145	2.7	0.5	71	0	LOS SANTOS (SANTANDER)
2220	Sep 10 2015	11:02:14.9	6.81	-73.13	145	2.7	0.5	71	47	LOS SANTOS (SANTANDER)
2221	Sep 10 2015	11:14:17.2	6.81	-73.13	139	2.0	0.6	184	16	LOS SANTOS (SANTANDER)
2222	Sep 10 2015	11:22:49.7	6.81	-73.15	141	2.2	0.5	112	25	LOS SANTOS (SANTANDER)
2223	Sep 10 2015	11:47:31.8	10.96	-74.86	24	1.9	0.3	236	10	CANDELARIA (ATLANTICO)
2224	Sep 10 2015	13:09:48.8	6.79	-73.15	147	1.8	0.4	236	12	LOS SANTOS (SANTANDER)
2225	Sep 10 2015	13:29:29.0	6.76	-73.17	140	1.8	0.4	232	12	LOS SANTOS (SANTANDER)
2226	Sep 10 2015	15:12:42.0	6.55	-73.43	121	1.7	0.4	108	10	HATO (SANTANDER)
2227	Sep 10 2015	15:48:58.3	7.44	-73.18	128	3.1	0.5	67	0	EL PLAYON (SANTANDER)
2228	Sep 10 2015	15:48:58.3	7.44	-73.18	128	3.1	0.5	67	59	EL PLAYON (SANTANDER)
2229	Sep 10 2015	15:59:23.0	10.49	-73.40	84	2.2	0.5	97	19	PUEBLO BELLO (CESAR)
2230	Sep 10 2015	16:36:39.7	8.90	-74.23	61	2.5	0.3	191	12	ALTOS DEL ROSARIO (BOLIVAR)
2231	Sep 10 2015	17:27: 1.1	8.48	-73.31	117	1.9	0.4	142	8	CONVENCION (N.SANTANDER)
2232	Sep 10 2015	17:28:10.6	6.81	-73.14	148	2.2	0.5	136	22	LOS SANTOS (SANTANDER)
2233	Sep 10 2015	19:01:52.7	11.50	-73.26	30	2.1	0.4	191	8	MAR CARIBE
2234	Sep 10 2015	19:40: 3.3	6.79	-73.10	146	2.3	0.6	142	31	LOS SANTOS (SANTANDER)
2235	Sep 10 2015	20:57: 4.3	7.81	-75.50	Sup	1.4	0.5	194	8	PUERTO LIBERTADOR (CORDOBA)
2236	Sep 10 2015	21:41:33.4	6.79	-73.14	146	1.8	0.4	137	14	LOS SANTOS (SANTANDER)
2237	Sep 10 2015	22:20:13.4	4.60	-76.21	107	1.3	0.2	221	12	VERSALLES (VALLE)
2238	Sep 10 2015	23:30:20.8	4.46	-76.18	124	2.0	0.4	115	18	EL DOVIO (VALLE)
2239	Sep 10 2015	23:31:15.0	6.90	-74.74	7	1.4	0.3	208	7	REMEDIOS (ANTIOQUIA)
2240	Sep 10 2015	23:36:10.7	6.70	-73.18	141	1.5	0.3	225	8	VILLANUEVA (SANTANDER)
2241	Sep 10 2015	23:53: 9.5	6.72	-73.19	154	1.7	0.4	226	12	VILLANUEVA (SANTANDER)
2242	Sep 11 2015	00:50:18.8	6.68	-73.14	141	1.3	0.4	229	8	VILLANUEVA (SANTANDER)
2243	Sep 11 2015	01:14:37.5	6.74	-73.17	141	1.7	0.4	230	11	LOS SANTOS (SANTANDER)
2244	Sep 11 2015	01:33: 8.6	6.72	-73.04	149	1.6	0.3	243	10	ARATOCA (SANTANDER)
2245	Sep 11 2015	02:54:57.0	6.82	-73.18	138	2.5	0.4	111	37	ZAPATOCA (SANTANDER)
2246	Sep 11 2015	02:55:15.4	6.82	-73.13	139	2.7	0.5	114	15	LOS SANTOS (SANTANDER)
2247	Sep 11 2015	03:20:41.2	10.99	-73.55	27	1.7	0.3	163	8	PUEBLO BELLO (CESAR)
2248	Sep 11 2015	03:39:27.5	6.81	-73.11	144	1.6	0.4	186	15	LOS SANTOS (SANTANDER)
2249	Sep 11 2015	03:45:23.9	8.76	-77.37	32	2.9	0.4	143	34	MAR CARIBE (FRONTERA CON PANAMA)
2250	Sep 11 2015	04:03:30.7	6.79	-73.12	136	2.0	0.5	185	21	LOS SANTOS (SANTANDER)
2251	Sep 11 2015	06:24:36.0	2.71	-75.03	Sup	1.8	0.5	107	20	RIVERA (HUILA)
2252	Sep 11 2015	07:20:41.9	6.82	-73.14	143	1.9	0.4	183	28	LOS SANTOS (SANTANDER)
2253	Sep 11 2015	07:35:16.8	6.32	-73.62	102	1.4	0.4	155	9	SANTA HELENA DEL OPO (SANTANDER)
2254	Sep 11 2015	08:18:32.9	5.28	-73.76	148	1.4	0.4	244	10	CUCUNUBA (CUNDINAMARCA)
2255	Sep 11 2015	08:51:57.1	6.32	-74.81	Sup	2.2	0.5	49	36	CARACOLI (ANTIOQUIA)
2256	Sep 11 2015	09:39:28.8	6.79	-73.16	135	1.9	0.4	181	22	LOS SANTOS (SANTANDER)
2257	Sep 11 2015	10:10:22.3	6.82	-73.13	141	2.6	0.5	71	0	LOS SANTOS (SANTANDER)
2258	Sep 11 2015	10:10:22.3	6.82	-73.13	141	2.6	0.5	71	45	LOS SANTOS (SANTANDER)
2259	Sep 11 2015	10:26:49.4	5.29	-73.75	147	2.3	0.6	128	36	LENGUAZQUE (CUNDINAMARCA)
2260	Sep 11 2015	10:28:35.8	6.83	-73.13	145	2.4	0.5	70	39	LOS SANTOS (SANTANDER)
2261	Sep 11 2015	12:58:38.9	6.87	-73.12	146	2.5	0.6	69	37	LOS SANTOS (SANTANDER)
2262	Sep 11 2015	14:10:39.7	5.63	-74.79	Sup	0.8	0.6	198	10	NORCASIA (CALDAS)
2263	Sep 11 2015	14:11: 4.9	6.69	-73.17	143	1.6	0.5	147	9	VILLANUEVA (SANTANDER)
2264	Sep 11 2015	14:18: 7.1	11.36	-73.80	Sup	2.3	0.6	226	12	MAR CARIBE
2265	Sep 11 2015	15:38:42.6	1.26	-75.29	Sup	1.4	0.5	316	7	MILAN (CAQUETA)
2266	Sep 11 2015	15:48:34.0	5.92	-76.16	48	2.2	0.6	173	21	EL CARMEN (CHOCO)
2267	Sep 11 2015	17:31:41.0	2.94	-76.45	Sup	1.1	0.5	158	10	SANTANDER DE QUILICHAO (CAUCA)
2268	Sep 11 2015	17:40:48.8	6.78	-73.14	148	1.7	0.5	137	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2269	Sep 11 2015	17:41:31.9	2.54	-75.36	11	1.2	0.2	177	9	ALGECIRAS (HUILA)
2270	Sep 11 2015	18:23:47.7	1.85	-76.08	Sup	2.0	0.4	130	0	PITALITO (HUILA)
2271	Sep 11 2015	18:23:47.7	1.85	-76.08	0	2.0	0.4	130	19	PITALITO (HUILA)
2272	Sep 11 2015	18:30: 0.1	6.79	-73.14	140	1.7	0.3	137	10	LOS SANTOS (SANTANDER)
2273	Sep 11 2015	18:34:45.7	8.84	-77.40	25	2.4	0.8	256	11	MAR CARIBE (FRONTERA CON PANAMA)
2274	Sep 11 2015	18:44:22.6	8.74	-77.32	25	3.0	0.4	244	12	MAR CARIBE
2275	Sep 11 2015	18:45: 7.7	8.85	-77.38	26	3.6	0.6	146	49	MAR CARIBE (FRONTERA CON PANAMA)
2276	Sep 11 2015	18:57:13.7	6.79	-73.16	141	2.4	0.6	70	26	LOS SANTOS (SANTANDER)
2277	Sep 11 2015	19:01:33.4	6.73	-73.21	110	1.4	0.5	127	9	VILLANUEVA (SANTANDER)
2278	Sep 11 2015	19:04:51.5	2.93	-76.44	Sup	0.8	0.3	155	7	SANTANDER DE QUILCHAO (CAUCA)
2279	Sep 11 2015	19:51:44.5	7.81	-75.46	Sup	1.3	0.6	186	11	MONTELIBANO (CORDOBA)
2280	Sep 11 2015	21:30:10.0	6.81	-73.14	144	2.6	0.5	136	44	LOS SANTOS (SANTANDER)
2281	Sep 12 2015	02:03:12.9	8.19	-77.49	13	2.3	0.2	180	9	FRONTERA CON PANAMA
2282	Sep 12 2015	03:34:19.0	4.67	-74.70	Sup	1.3	0.5	183	10	PULI (CUNDINAMARCA)
2283	Sep 12 2015	05:51:54.5	6.82	-73.11	146	1.7	0.4	186	21	LOS SANTOS (SANTANDER)
2284	Sep 12 2015	06:27:59.8	4.33	-76.14	145	2.4	0.4	71	41	BOLIVAR (VALLE)
2285	Sep 12 2015	07:10:13.8	6.75	-73.15	139	1.1	0.5	233	9	LOS SANTOS (SANTANDER)
2286	Sep 12 2015	07:19:47.7	5.66	-74.31	17	0.8	0.3	155	10	OTANCHE (BOYACA)
2287	Sep 12 2015	07:53:26.7	6.78	-73.12	143	1.6	0.4	185	16	LOS SANTOS (SANTANDER)
2288	Sep 12 2015	08:30: 5.2	2.90	-74.82	Sup	1.6	0.4	217	12	BARAYA (HUILA)
2289	Sep 12 2015	08:34:31.0	6.93	-74.10	87	1.8	0.4	68	23	YONDO (ANTIOQUIA)
2290	Sep 12 2015	09:15:50.3	6.83	-73.13	146	1.7	0.4	215	16	LOS SANTOS (SANTANDER)
2291	Sep 12 2015	10:19:17.5	6.80	-73.18	135	1.0	0.5	240	9	ZAPATOCA (SANTANDER)
2292	Sep 12 2015	10:22:45.1	6.76	-73.17	142	1.3	0.2	239	10	LOS SANTOS (SANTANDER)
2293	Sep 12 2015	11:03:43.2	6.11	-73.38	129	1.4	0.5	214	7	SUAITA (SANTANDER)
2294	Sep 12 2015	11:31:41.2	6.81	-73.15	145	1.4	0.6	182	10	LOS SANTOS (SANTANDER)
2295	Sep 12 2015	11:36: 5.8	6.75	-73.12	143	1.5	0.4	236	11	LOS SANTOS (SANTANDER)
2296	Sep 12 2015	12:09:47.1	6.43	-71.97	Sup	1.6	0.2	157	7	TAME (ARAUCA)
2297	Sep 12 2015	12:22:47.1	7.14	-76.18	17	1.7	0.3	130	11	DABEIBA (ANTIOQUIA)
2298	Sep 12 2015	13:07:28.7	6.80	-73.14	145	1.9	0.3	71	21	LOS SANTOS (SANTANDER)
2299	Sep 12 2015	13:49:43.0	6.81	-73.18	142	1.8	0.3	132	15	ZAPATOCA (SANTANDER)
2300	Sep 12 2015	14:25:34.7	6.80	-73.13	147	3.5	0.5	68	0	LOS SANTOS (SANTANDER)
2301	Sep 12 2015	14:25:34.7	6.80	-73.13	147	3.5	0.5	68	82	LOS SANTOS (SANTANDER)
2302	Sep 12 2015	15:44:10.0	6.82	-73.15	146	1.9	0.4	200	13	LOS SANTOS (SANTANDER)
2303	Sep 12 2015	16:12:28.5	8.18	-77.42	11	2.4	0.6	92	18	FRONTERA CON PANAMA
2304	Sep 12 2015	16:17: 6.4	6.74	-73.15	136	1.9	0.3	138	14	LOS SANTOS (SANTANDER)
2305	Sep 12 2015	16:18:38.6	6.74	-73.12	141	2.0	0.3	141	13	LOS SANTOS (SANTANDER)
2306	Sep 12 2015	16:41:40.2	6.81	-73.14	146	2.7	0.6	119	38	LOS SANTOS (SANTANDER)
2307	Sep 12 2015	18:55:55.2	6.80	-73.18	128	1.5	0.2	132	10	ZAPATOCA (SANTANDER)
2308	Sep 12 2015	20:10:48.9	6.84	-73.35	122	1.9	0.5	92	19	SAN VICENTE DE CHUCURI (SANTANDER)
2309	Sep 12 2015	20:45:23.3	6.81	-73.14	146	2.2	0.5	136	33	LOS SANTOS (SANTANDER)
2310	Sep 12 2015	21:00:46.3	4.34	-75.38	Sup	1.8	0.5	108	29	CAJAMARCA (TOLIMA)
<u>2311</u>	<u>Sep 12 2015</u>	<u>21:14:47.3</u>	<u>7.16</u>	<u>-73.16</u>	<u>Sup</u>	<u>2.7</u>	<u>0.6</u>	<u>106</u>	<u>55</u>	<u>BUCARAMANGA (SANTANDER)</u>
2312	Sep 12 2015	21:19:48.9	6.79	-73.14	144	1.9	0.5	151	20	LOS SANTOS (SANTANDER)
2313	Sep 12 2015	21:31:48.1	6.80	-73.15	140	1.8	0.4	135	16	LOS SANTOS (SANTANDER)
2314	Sep 12 2015	21:54:43.8	2.27	-75.43	42	1.7	0.3	189	8	GIGANTE (HUILA)
2315	Sep 12 2015	22:40: 8.0	6.81	-73.15	138	2.0	0.5	134	26	LOS SANTOS (SANTANDER)
2316	Sep 12 2015	23:18:39.2	6.80	-73.16	149	1.6	0.4	145	14	LOS SANTOS (SANTANDER)
2317	Sep 13 2015	00:20:58.7	7.17	-73.17	Sup	1.6	0.4	106	16	BUCARAMANGA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2318	Sep 13 2015	02:11:25.6	6.77	-73.14	142	1.7	0.4	252	10	LOS SANTOS (SANTANDER)
2319	Sep 13 2015	02:22:38.0	6.85	-73.15	146	2.0	0.3	143	16	LOS SANTOS (SANTANDER)
2320	Sep 13 2015	02:53: 6.3	6.04	-73.74	110	1.6	0.4	134	12	BOLIVAR (SANTANDER)
2321	Sep 13 2015	03:12:45.4	6.35	-73.54	106	2.0	0.4	78	24	SANTA HELENA DEL OPOON (SANTANDER)
2322	Sep 13 2015	04:00:12.5	6.80	-73.21	142	2.1	0.4	176	36	ZAPATOCA (SANTANDER)
<u>2323</u>	<u>Sep 13 2015</u>	<u>04:54:46.8</u>	<u>1.26</u>	<u>-77.35</u>	<u>Sup</u>	<u>3.0</u>	<u>0.6</u>	<u>65</u>	<u>31</u>	<u>NARINO (NARINO)</u>
2324	Sep 13 2015	05:02:15.7	5.21	-73.08	Sup	1.4	0.4	298	8	SAN EDUARDO (BOYACA)
2325	Sep 13 2015	05:05:19.4	5.61	-74.37	80	1.8	0.4	101	20	YACOPI (CUNDINAMARCA)
2326	Sep 13 2015	06:17:19.9	6.72	-73.15	143	1.6	0.3	248	9	JORDAN (SANTANDER)
2327	Sep 13 2015	07:04:13.6	6.91	-76.24	Sup	1.3	0.6	210	9	URAMITA (ANTIOQUIA)
2328	Sep 13 2015	07:12: 1.1	3.96	-76.24	111	1.6	0.4	97	14	SAN PEDRO (VALLE)
2329	Sep 13 2015	07:32: 4.0	6.46	-73.14	170	1.7	0.4	191	11	VALLE DE SAN JOSE (SANTANDER)
2330	Sep 13 2015	10:44:32.1	8.05	-74.24	32	1.0	0.4	145	9	SANTA ROSA DEL SUR (BOLIVAR)
2331	Sep 13 2015	11:17:33.3	6.79	-73.16	143	1.5	0.4	199	13	LOS SANTOS (SANTANDER)
2332	Sep 13 2015	11:25:34.6	6.95	-78.05	12	3.0	0.5	183	0	O. PACIFICO NORTE
2333	Sep 13 2015	11:25:34.6	6.95	-78.05	12	3.0	0.5	183	36	O. PACIFICO NORTE
2334	Sep 13 2015	11:43: 2.6	8.20	-77.43	Sup	2.3	0.5	171	8	FRONTERA CON PANAMA
2335	Sep 13 2015	11:51:31.9	6.34	-73.59	110	2.5	0.5	72	32	SANTA HELENA DEL OPOON (SANTANDER)
2336	Sep 13 2015	11:58:13.3	6.81	-73.13	141	2.2	0.6	184	26	LOS SANTOS (SANTANDER)
2337	Sep 13 2015	12:04:46.9	6.78	-73.17	148	1.6	0.3	190	8	LOS SANTOS (SANTANDER)
2338	Sep 13 2015	12:35:28.1	6.78	-73.17	147	2.1	0.6	198	24	LOS SANTOS (SANTANDER)
2339	Sep 13 2015	12:38:45.9	6.98	-78.04	14	2.5	0.6	181	10	O. PACIFICO NORTE
2340	Sep 13 2015	13:15:49.7	10.55	-72.23	18	1.7	0.6	214	7	FRONTERA CON VENEZUELA
2341	Sep 13 2015	14:36:25.8	2.38	-75.53	Sup	1.5	0.4	141	11	GIGANTE (HUILA)
2342	Sep 13 2015	14:55:34.0	4.46	-76.22	105	1.4	0.3	214	9	EL DOVIO (VALLE)
2343	Sep 13 2015	14:56:35.9	6.91	-76.21	Sup	2.0	0.6	157	18	URAMITA (ANTIOQUIA)
2344	Sep 13 2015	15:50:27.1	2.28	-75.55	23	1.1	0.3	136	8	GIGANTE (HUILA)
2345	Sep 13 2015	16:57:37.5	7.45	-73.22	128	1.8	0.5	109	14	EL PLAYON (SANTANDER)
2346	Sep 13 2015	18:17:27.5	6.81	-73.14	141	2.0	0.6	70	25	LOS SANTOS (SANTANDER)
2347	Sep 13 2015	18:31: 5.1	3.96	-73.98	Sup	1.5	0.2	191	10	CUBARRAL (META)
2348	Sep 13 2015	18:38:29.8	6.81	-73.14	143	1.7	0.4	150	12	LOS SANTOS (SANTANDER)
2349	Sep 13 2015	20:23:15.0	9.30	-73.51	110	3.0	0.5	129	0	CHIRIGUANA (CESAR)
2350	Sep 13 2015	20:23:15.0	9.30	-73.51	110	3.0	0.5	129	49	CHIRIGUANA (CESAR)
2351	Sep 13 2015	21:20:46.1	8.54	-77.89	Sup	2.4	0.4	151	8	FRONTERA CON PANAMA
2352	Sep 13 2015	22:12:19.3	5.26	-73.76	147	1.8	0.3	130	16	CUCUNUBA (CUNDINAMARCA)
2353	Sep 13 2015	22:13:27.3	6.77	-73.16	148	1.7	0.4	135	23	LOS SANTOS (SANTANDER)
2354	Sep 13 2015	22:30:32.5	6.77	-73.13	143	1.8	0.5	139	21	LOS SANTOS (SANTANDER)
2355	Sep 14 2015	00:05:11.3	11.36	-73.39	Sup	1.7	0.5	228	8	MAR CARIBE
2356	Sep 14 2015	00:13:46.9	6.76	-73.13	133	1.4	0.5	222	8	LOS SANTOS (SANTANDER)
2357	Sep 14 2015	00:17: 8.8	4.09	-76.59	65	1.6	0.5	115	12	CALIMA (VALLE)
2358	Sep 14 2015	00:36:55.3	8.33	-73.67	84	1.5	0.5	146	18	AGUACHICA (CESAR)
2359	Sep 14 2015	01:04: 1.3	6.80	-73.18	141	1.6	0.4	132	12	ZAPATOCA (SANTANDER)
2360	Sep 14 2015	01:04:10.8	3.00	-75.96	Sup	1.3	0.4	161	8	TORIBIO (CAUCA)
2361	Sep 14 2015	01:20:22.7	1.93	-76.16	11	1.6	0.2	151	14	ISNOS (HUILA)
2362	Sep 14 2015	01:28:29.6	6.78	-73.14	144	1.7	0.4	137	19	LOS SANTOS (SANTANDER)
2363	Sep 14 2015	02:20:56.3	7.79	-75.16	25	1.2	0.2	144	7	CAUCASIA (ANTIOQUIA)
2364	Sep 14 2015	02:22:48.4	2.61	-79.89	32	2.5	0.4	245	18	O. PACIFICO SUR
2365	Sep 14 2015	02:54:48.8	10.25	-72.56	Sup	2.0	0.5	179	15	FRONTERA CON VENEZUELA
2366	Sep 14 2015	03:34:41.2	8.66	-73.13	137	1.9	0.3	200	17	EL TARRA (N.SANTANDER)
2367	Sep 14 2015	05:00:33.5	6.76	-73.19	148	1.3	0.4	196	11	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2368	Sep 14 2015	05:28: 1.9	6.82	-73.15	143	2.4	0.4	134	44	LOS SANTOS (SANTANDER)
2369	Sep 14 2015	05:50:42.8	6.79	-73.15	145	1.9	0.4	136	22	LOS SANTOS (SANTANDER)
2370	Sep 14 2015	07:57:24.9	2.76	-75.09	14	2.3	0.4	104	25	RIVERA (HUILA)
2371	Sep 14 2015	08:09:51.5	3.48	-74.54	Sup	1.2	0.6	104	15	COLOMBIA (HUILA)
2372	Sep 14 2015	08:12:34.3	3.60	-75.18	Sup	1.3	0.4	123	9	NATAGAIMA (TOLIMA)
2373	Sep 14 2015	08:17:29.6	3.66	-76.54	Sup	1.3	0.5	205	8	LA CUMBRE (VALLE)
2374	Sep 14 2015	08:53: 6.9	5.85	-73.64	125	2.1	0.4	98	31	PUENTE NACIONAL (SANTANDER)
2375	Sep 14 2015	09:30:47.1	6.81	-73.14	148	2.5	0.5	71	36	LOS SANTOS (SANTANDER)
2376	Sep 14 2015	09:40:52.0	5.73	-75.56	Sup	1.6	0.5	127	13	LA PINTADA (ANTIOQUIA)
2377	Sep 14 2015	09:51:14.9	6.84	-73.40	121	1.5	0.5	135	12	SAN VICENTE DE CHUCURI (SANTANDER)
2378	Sep 14 2015	12:08:33.6	8.46	-73.70	84	1.8	0.3	184	11	GAMARRA (CESAR)
2379	Sep 14 2015	12:15:54.9	6.80	-73.12	152	2.0	0.4	220	15	LOS SANTOS (SANTANDER)
2380	Sep 14 2015	12:30:17.6	7.62	-73.56	99	1.5	0.4	183	8	SAN ALBERTO (CESAR)
2381	Sep 14 2015	12:39: 1.1	8.53	-77.87	Sup	2.7	0.6	135	15	FRONTERA CON PANAMA
2382	Sep 14 2015	13:05: 7.9	7.01	-76.34	12	1.7	0.4	304	8	DABEIBA (ANTIOQUIA)
2383	Sep 14 2015	15:08:11.0	5.27	-73.72	147	1.7	0.3	211	10	LENGUAZAQUE (CUNDINAMARCA)
2384	Sep 14 2015	15:19:12.1	5.79	-73.93	100	2.0	0.4	127	20	FLORIAN (SANTANDER)
<u>2385</u>	<u>Sep 14 2015</u>	<u>15:38:22.6</u>	<u>7.58</u>	<u>-78.45</u>	<u>12</u>	<u>4.1</u>	<u>0.5</u>	<u>101</u>	<u>0</u>	<u>O. PACIFICO (FRONTERA CON PANAMA)</u>
<u>2386</u>	<u>Sep 14 2015</u>	<u>15:38:22.6</u>	<u>7.58</u>	<u>-78.45</u>	<u>12</u>	<u>4.1</u>	<u>0.5</u>	<u>101</u>	<u>95</u>	<u>O. PACIFICO (FRONTERA CON PANAMA)</u>
2387	Sep 14 2015	17:00:47.2	6.37	-77.62	Sup	2.8	0.5	177	29	O. PACIFICO NORTE
2388	Sep 14 2015	21:10:41.4	6.80	-73.14	144	2.1	0.5	137	22	LOS SANTOS (SANTANDER)
2389	Sep 14 2015	22:34:52.0	6.80	-73.16	146	2.2	0.5	70	25	LOS SANTOS (SANTANDER)
2390	Sep 14 2015	22:38:10.6	2.19	-76.05	Sup	1.4	0.3	117	10	LA ARGENTINA (HUILA)
2391	Sep 15 2015	00:06:47.3	10.15	-73.69	72	2.9	0.4	72	0	EL COPEY (CESAR)
2392	Sep 15 2015	00:06:47.3	10.15	-73.69	72	2.9	0.4	72	39	EL COPEY (CESAR)
2393	Sep 15 2015	01:40:42.7	6.84	-76.24	Sup	1.4	0.5	205	9	URAMITA (ANTIOQUIA)
2394	Sep 15 2015	01:44: 4.4	6.86	-76.28	Sup	1.3	0.5	222	8	URAMITA (ANTIOQUIA)
2395	Sep 15 2015	01:47:53.7	6.76	-73.11	144	2.0	0.5	143	22	LOS SANTOS (SANTANDER)
2396	Sep 15 2015	02:55:42.2	4.97	-74.60	60	1.3	0.3	81	12	CHAGUANI (CUNDINAMARCA)
2397	Sep 15 2015	02:55:43.9	10.50	-73.52	80	2.6	0.4	97	24	PUEBLO BELLO (CESAR)
2398	Sep 15 2015	03:05:30.6	1.90	-79.30	13	1.8	0.5	284	10	O. PACIFICO SUR
2399	Sep 15 2015	04:16:51.1	6.79	-73.12	145	3.5	0.4	68	0	LOS SANTOS (SANTANDER)
2400	Sep 15 2015	04:16:51.1	6.79	-73.12	145	3.5	0.4	68	84	LOS SANTOS (SANTANDER)
2401	Sep 15 2015	05:27:41.9	6.95	-76.71	Sup	1.9	0.4	136	14	MURINDO (ANTIOQUIA)
2402	Sep 15 2015	06:59:40.6	8.58	-77.83	19	2.4	0.4	155	12	FRONTERA CON PANAMA
2403	Sep 15 2015	07:17:47.9	7.13	-72.37	Sup	1.4	0.3	250	14	LABATECA (N.SANTANDER)
2404	Sep 15 2015	07:19: 8.2	2.85	-74.83	8	1.6	0.4	87	13	BARAYA (HUILA)
2405	Sep 15 2015	07:34:55.8	6.78	-73.13	150	1.6	0.2	256	6	LOS SANTOS (SANTANDER)
2406	Sep 15 2015	07:44:41.7	6.81	-73.09	141	1.6	0.4	244	13	LOS SANTOS (SANTANDER)
2407	Sep 15 2015	08:52:48.8	7.39	-73.19	128	1.4	0.2	187	10	EL PLAYON (SANTANDER)
2408	Sep 15 2015	08:57: 3.8	5.59	-74.35	84	2.0	0.4	98	25	YACOPI (CUNDINAMARCA)
2409	Sep 15 2015	09:32:46.1	6.78	-73.13	153	1.8	0.4	220	10	LOS SANTOS (SANTANDER)
2410	Sep 15 2015	09:37:45.0	6.80	-73.14	144	1.3	0.4	216	8	LOS SANTOS (SANTANDER)
2411	Sep 15 2015	09:44:52.1	5.49	-74.00	146	1.6	0.4	169	13	COPER (BOYACA)
2412	Sep 15 2015	10:15:35.9	6.80	-73.16	144	2.0	0.4	134	26	LOS SANTOS (SANTANDER)
2413	Sep 15 2015	11:19:55.8	6.79	-73.13	143	1.6	0.4	156	10	LOS SANTOS (SANTANDER)
2414	Sep 15 2015	12:04:19.6	5.27	-73.76	145	1.6	0.3	153	14	CUCUNUBA (CUNDINAMARCA)
2415	Sep 15 2015	13:35:50.3	6.79	-73.12	148	3.0	0.5	54	0	LOS SANTOS (SANTANDER)
2416	Sep 15 2015	13:35:50.3	6.79	-73.12	148	3.0	0.5	54	65	LOS SANTOS (SANTANDER)
2417	Sep 15 2015	14:35:56.3	6.77	-73.15	139	1.7	0.4	150	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2418	Sep 15 2015	17:18:58.5	5.58	-73.87	126	2.2	0.4	103	31	CALDAS (BOYACA)
2419	Sep 15 2015	17:55:32.5	8.52	-73.54	122	2.3	0.4	134	21	EL CARMEN (N.SANTANDER)
2420	Sep 15 2015	20:05:57.8	6.80	-73.14	145	1.6	0.5	137	20	LOS SANTOS (SANTANDER)
2421	Sep 15 2015	20:29:45.3	6.84	-73.16	145	1.6	0.3	108	10	LOS SANTOS (SANTANDER)
2422	Sep 15 2015	21:10:50.4	5.82	-74.49	64	1.7	0.3	88	16	PUERTO TRIUNFO (ANTIOQUIA)
2423	Sep 15 2015	21:33:18.0	5.81	-74.33	21	1.1	0.3	154	8	OTANCHE (BOYACA)
2424	Sep 15 2015	23:25:45.2	0.86	-77.72	Sup	2.1	0.4	150	10	CUASPUD (NARINO)
2425	Sep 15 2015	23:28:40.2	2.54	-75.30	Sup	1.2	0.4	180	10	ALGECIRAS (HUILA)
2426	Sep 15 2015	23:37:40.0	7.88	-78.26	25	2.7	0.5	119	14	FRONTERA CON PANAMA
2427	Sep 16 2015	01:04:14.3	4.59	-74.97	Sup	1.4	0.3	133	11	ALVARADO (TOLIMA)
2428	Sep 16 2015	01:50: 2.6	7.23	-73.28	113	1.7	0.5	160	22	LEBRIJA (SANTANDER)
2429	Sep 16 2015	01:56:42.7	6.80	-73.11	148	2.4	0.4	140	30	LOS SANTOS (SANTANDER)
2430	Sep 16 2015	02:07:22.3	6.76	-73.14	144	1.9	0.4	138	8	LOS SANTOS (SANTANDER)
2431	Sep 16 2015	02:38:25.6	6.79	-73.18	163	1.2	0.1	241	7	LOS SANTOS (SANTANDER)
2432	Sep 16 2015	02:43:21.2	6.80	-73.13	149	1.9	0.4	138	16	LOS SANTOS (SANTANDER)
2433	Sep 16 2015	02:47:10.9	6.82	-73.02	173	1.2	0.3	253	5	CEPITA (SANTANDER)
2434	Sep 16 2015	03:43:46.8	6.80	-73.16	146	2.0	0.4	134	24	LOS SANTOS (SANTANDER)
2435	Sep 16 2015	05:49:28.8	3.79	-76.27	110	1.4	0.3	106	9	GUACARI (VALLE)
2436	Sep 16 2015	07:32:49.5	11.11	-73.64	7	1.6	0.2	181	11	PUEBLO BELLO (CESAR)
2437	Sep 16 2015	07:40: 3.7	0.34	-77.92	Sup	2.1	0.6	197	19	FRONTERA CON ECUADOR
2438	Sep 16 2015	09:04:26.5	6.81	-73.16	145	1.8	0.5	133	32	LOS SANTOS (SANTANDER)
2439	Sep 16 2015	10:07:38.7	6.79	-73.16	144	2.1	0.5	134	23	LOS SANTOS (SANTANDER)
2440	Sep 16 2015	11:07:49.4	6.81	-73.15	143	1.7	0.4	146	12	LOS SANTOS (SANTANDER)
2441	Sep 16 2015	11:08:27.5	3.83	-71.38	Sup	2.5	0.5	275	12	PUERTO GAITAN (META)
2442	Sep 16 2015	12:14: 7.2	6.82	-73.17	142	2.3	0.4	132	31	ZAPATOCA (SANTANDER)
2443	Sep 16 2015	14:57:13.2	10.70	-73.29	85	1.9	0.1	210	8	LA PAZ (CESAR)
2444	Sep 16 2015	17:36:11.0	7.53	-74.84	41	1.5	0.3	183	8	ZARAGOZA (ANTIOQUIA)
2445	Sep 16 2015	19:16:35.2	6.83	-73.14	140	2.4	0.4	183	34	LOS SANTOS (SANTANDER)
2446	Sep 16 2015	19:20:57.1	6.81	-73.15	145	3.1	0.4	70	53	LOS SANTOS (SANTANDER)
2447	Sep 16 2015	19:47:18.2	2.19	-75.61	12	1.3	0.4	96	12	GARZON (HUILA)
2448	Sep 16 2015	20:19: 9.2	10.62	-72.73	6	3.8	0.5	54	0	FRONTERA CON VENEZUELA
<u>2449</u>	<u>Sep 16 2015</u>	<u>20:19: 9.2</u>	<u>10.62</u>	<u>-72.73</u>	<u>6</u>	<u>3.8</u>	<u>0.5</u>	<u>54</u>	<u>65</u>	<u>FRONTERA CON VENEZUELA</u>
2450	Sep 16 2015	20:34:15.8	7.27	-76.39	8	1.8	0.5	156	11	MUTATA (ANTIOQUIA)
2451	Sep 16 2015	20:46:17.2	6.77	-73.18	146	1.9	0.4	133	15	LOS SANTOS (SANTANDER)
2452	Sep 16 2015	20:56:33.8	5.77	-74.24	Sup	1.3	0.4	196	8	OTANCHE (BOYACA)
2453	Sep 16 2015	20:58:49.6	5.75	-74.24	Sup	1.2	0.4	192	8	OTANCHE (BOYACA)
2454	Sep 16 2015	21:34: 2.9	7.31	-76.38	Sup	2.0	0.4	160	11	MUTATA (ANTIOQUIA)
2455	Sep 16 2015	21:34:55.2	3.35	-74.45	14	1.2	0.1	275	6	URIBE (META)
2456	Sep 16 2015	21:58:21.4	11.13	-72.75	Sup	1.5	0.6	157	6	MANAURE BALCON CESAR (CESAR)
2457	Sep 16 2015	22:08: 3.5	6.81	-73.18	142	1.7	0.2	145	8	ZAPATOCA (SANTANDER)
2458	Sep 16 2015	22:20:46.5	3.56	-74.36	13	1.3	0.4	235	12	URIBE (META)
2459	Sep 16 2015	23:32:58.2	6.77	-73.15	139	1.8	0.4	137	14	LOS SANTOS (SANTANDER)
2460	Sep 17 2015	00:12:59.9	5.07	-77.81	13	2.3	0.3	224	11	O. PACIFICO CENTRO
2461	Sep 17 2015	00:51:18.8	7.51	-73.36	118	2.0	0.7	101	20	LA ESPERANZA (N.SANTANDER)
2462	Sep 17 2015	02:34:32.3	6.79	-73.11	152	3.1	0.6	56	64	LOS SANTOS (SANTANDER)
2463	Sep 17 2015	02:38:15.3	5.41	-73.77	137	2.3	0.5	121	35	FUQUENE (CUNDINAMARCA)
2464	Sep 17 2015	04:40:20.4	11.41	-74.37	9	1.9	0.4	257	8	MAR CARIBE
2465	Sep 17 2015	05:20:29.0	8.26	-80.06	Sup	2.5	0.5	154	9	O. PACIFICO (FRONTERA CON PANAMA)
2466	Sep 17 2015	06:06: 6.9	2.03	-75.97	Sup	1.3	0.3	95	16	OPORAPA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2467	Sep 17 2015	06:26: 5.1	6.80	-73.17	146	1.8	0.4	132	26	LOS SANTOS (SANTANDER)
2468	Sep 17 2015	07:15: 9.4	7.66	-73.38	121	2.1	0.5	109	22	LA ESPERANZA (N.SANTANDER)
2469	Sep 17 2015	08:16:21.6	11.09	-74.66	30	2.5	0.4	233	21	MAR CARIBE
2470	Sep 17 2015	08:40:43.1	2.11	-78.83	46	1.9	0.2	229	13	O. PACIFICO SUR
2471	Sep 17 2015	08:56:24.4	6.81	-73.19	132	1.0	0.3	129	8	ZAPATOCA (SANTANDER)
2472	Sep 17 2015	10:35:56.1	9.88	-73.33	104	2.4	0.5	143	22	AGUSTIN CODAZZI (CESAR)
2473	Sep 17 2015	10:53:28.7	6.74	-73.15	136	1.7	0.4	138	20	LOS SANTOS (SANTANDER)
2474	Sep 17 2015	11:01: 4.9	5.56	-74.78	10	1.2	0.3	165	10	NORCASIA (CALDAS)
2475	Sep 17 2015	11:25:52.0	6.76	-73.16	155	1.9	0.4	199	10	LOS SANTOS (SANTANDER)
2476	Sep 17 2015	13:19:14.2	5.89	-73.69	123	1.5	0.4	92	16	PUENTE NACIONAL (SANTANDER)
2477	Sep 17 2015	14:31:12.9	6.78	-73.15	151	1.8	0.4	136	14	LOS SANTOS (SANTANDER)
2478	Sep 17 2015	15:13: 1.4	3.40	-76.48	96	1.2	0.3	181	8	CALI (VALLE)
2479	Sep 17 2015	16:09:39.5	6.81	-73.16	143	2.9	0.5	70	46	LOS SANTOS (SANTANDER)
2480	Sep 17 2015	16:42: 5.3	4.63	-76.27	99	2.5	0.5	75	40	VERSALLES (VALLE)
2481	Sep 17 2015	17:21:33.7	7.14	-75.22	13	1.9	0.5	70	19	ANORI (ANTIOQUIA)
2482	Sep 17 2015	19:43:19.4	6.79	-73.13	136	2.1	0.4	138	24	LOS SANTOS (SANTANDER)
2483	Sep 17 2015	20:20:57.3	6.52	-73.53	108	1.6	0.5	127	11	EL CARMEN (SANTANDER)
2484	Sep 17 2015	21:13:34.8	2.97	-74.85	Sup	1.2	0.2	250	7	BARAYA (HUILA)
2485	Sep 17 2015	21:37:45.3	6.21	-74.77	Sup	0.9	0.5	144	8	PUERTO NARE (ANTIOQUIA)
2486	Sep 17 2015	21:42:46.7	6.78	-73.15	141	1.4	0.6	136	7	LOS SANTOS (SANTANDER)
2487	Sep 17 2015	22:21:26.6	2.54	-75.73	Sup	2.2	0.6	84	24	TESALIA (HUILA)
2488	Sep 17 2015	23:28:34.6	7.33	-76.40	Sup	3.1	0.5	84	0	MUTATA (ANTIOQUIA)
2489	Sep 17 2015	23:28:34.6	7.33	-76.40	0	3.1	0.5	84	54	MUTATA (ANTIOQUIA)
2490	Sep 17 2015	23:44:16.0	7.30	-76.42	Sup	1.8	0.6	161	8	MUTATA (ANTIOQUIA)
2491	Sep 18 2015	00:16: 1.4	7.11	-74.75	9	2.0	0.4	89	19	SEGOVIA (ANTIOQUIA)
2492	Sep 18 2015	00:25:32.2	6.81	-73.12	149	1.9	0.5	139	24	LOS SANTOS (SANTANDER)
2493	Sep 18 2015	00:35:44.5	6.54	-73.55	110	2.1	0.5	62	29	EL CARMEN (SANTANDER)
2494	Sep 18 2015	01:19:58.7	8.34	-73.59	94	1.6	0.5	157	12	AGUACHICA (CESAR)
2495	Sep 18 2015	01:45:49.7	6.80	-73.16	145	1.5	0.4	134	15	LOS SANTOS (SANTANDER)
2496	Sep 18 2015	02:08:54.3	8.54	-73.22	127	2.4	0.5	169	39	TEORAMA (N.SANTANDER)
2497	Sep 18 2015	03:03:12.6	6.81	-73.15	146	3.1	0.5	70	0	LOS SANTOS (SANTANDER)
2498	Sep 18 2015	03:03:12.6	6.81	-73.15	146	3.1	0.5	70	50	LOS SANTOS (SANTANDER)
2499	Sep 18 2015	03:12: 1.1	6.73	-73.14	142	1.4	0.4	140	13	JORDAN (SANTANDER)
2500	Sep 18 2015	03:29:17.0	6.80	-73.14	147	2.8	0.5	71	58	LOS SANTOS (SANTANDER)
<u>2501</u>	<u>Sep 18 2015</u>	<u>04:35: 9.1</u>	<u>4.10</u>	<u>-75.87</u>	<u>Sup</u>	<u>4.2</u>	<u>0.6</u>	<u>34</u>	<u>0</u>	<u>LOS SANTOS (SANTANDER)</u>
<u>2502</u>	<u>Sep 18 2015</u>	<u>04:35: 9.1</u>	<u>4.10</u>	<u>-75.87</u>	<u>0</u>	<u>4.2</u>	<u>0.6</u>	<u>34</u>	<u>125</u>	<u>GENOVA (QUINDIO)</u>
2503	Sep 18 2015	05:20: 0.9	6.81	-73.19	140	1.5	0.3	130	11	ZAPATOCA (SANTANDER)
2504	Sep 18 2015	05:32:42.2	6.76	-73.17	154	1.5	0.2	243	9	LOS SANTOS (SANTANDER)
2505	Sep 18 2015	05:52:18.1	6.82	-73.10	152	1.5	0.5	159	13	LOS SANTOS (SANTANDER)
2506	Sep 18 2015	06:01:47.7	6.77	-73.14	152	1.3	0.4	236	11	LOS SANTOS (SANTANDER)
2507	Sep 18 2015	06:33:29.1	7.09	-71.82	Sup	2.7	0.7	145	40	FRONTERA CON VENEZUELA
2508	Sep 18 2015	06:45:14.0	6.78	-73.12	150	1.9	0.5	259	10	LOS SANTOS (SANTANDER)
2509	Sep 18 2015	06:46: 8.2	7.30	-76.37	Sup	2.4	0.4	153	21	MUTATA (ANTIOQUIA)
2510	Sep 18 2015	06:51: 6.4	6.79	-73.14	139	2.2	0.4	137	38	LOS SANTOS (SANTANDER)
2511	Sep 18 2015	07:59:54.2	6.79	-73.10	152	1.5	0.4	222	10	LOS SANTOS (SANTANDER)
2512	Sep 18 2015	08:05:39.6	7.15	-73.17	Sup	1.0	0.5	113	12	BUCARAMANGA (SANTANDER)
2513	Sep 18 2015	08:07:14.3	5.66	-73.96	103	1.2	0.5	127	9	PAUNA (BOYACA)
2514	Sep 18 2015	08:26:21.9	10.94	-74.09	7	1.7	0.5	116	12	PIVIJAY (MAGDALENA)
2515	Sep 18 2015	08:50:33.7	6.78	-73.13	154	1.5	0.3	139	14	LOS SANTOS (SANTANDER)
2516	Sep 18 2015	09:02:24.1	6.91	-76.19	Sup	1.1	0.4	178	12	URAMITA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2517	Sep 18 2015	10:32:15.0	5.29	-73.73	142	2.4	0.5	119	40	LENGUAZAQUE (CUNDINAMARCA)
2518	Sep 18 2015	11:10:49.1	6.78	-73.14	137	1.6	0.4	201	12	LOS SANTOS (SANTANDER)
2519	Sep 18 2015	11:26: 5.4	6.91	-73.09	134	1.6	0.3	223	8	PIEDRECUESTA (SANTANDER)
2520	Sep 18 2015	11:43:38.8	5.03	-74.73	12	1.2	0.2	200	10	GUADUAS (CUNDINAMARCA)
2521	Sep 18 2015	12:26:47.1	6.67	-74.90	37	1.6	0.3	98	18	YALI (ANTIOQUIA)
2522	Sep 18 2015	13:32:45.0	2.50	-75.42	20	1.3	0.4	169	14	HOBO (HUILA)
2523	Sep 18 2015	14:19:19.7	2.33	-75.53	Sup	1.4	0.5	139	12	GIGANTE (HUILA)
2524	Sep 18 2015	15:13:10.5	6.77	-73.12	137	2.0	0.5	159	20	LOS SANTOS (SANTANDER)
2525	Sep 18 2015	17:22: 8.0	6.77	-73.15	142	2.0	0.5	136	22	LOS SANTOS (SANTANDER)
2526	Sep 18 2015	18:51:33.4	6.82	-73.43	115	2.1	0.4	78	24	SAN VICENTE DE CHUCURI (SANTANDER)
2527	Sep 18 2015	21:15: 1.3	6.82	-73.17	133	1.9	0.5	131	20	ZAPATOCA (SANTANDER)
2528	Sep 18 2015	23:16:19.7	3.49	-74.68	Sup	2.1	0.5	149	36	COLOMBIA (HUILA)
2529	Sep 18 2015	23:37:19.3	6.78	-73.16	136	1.8	0.6	134	18	LOS SANTOS (SANTANDER)
2530	Sep 18 2015	23:56:49.7	4.22	-75.85	Sup	1.3	0.5	143	12	GENOVA (QUINDIO)
2531	Sep 19 2015	00:18:36.3	9.53	-74.41	50	2.6	0.7	103	38	PIJINO DEL CARMEN (MAGDALENA)
2532	Sep 19 2015	00:35:32.5	4.23	-75.89	Sup	1.3	0.4	147	9	SEVILLA (VALLE)
2533	Sep 19 2015	00:42:49.6	10.35	-73.44	27	2.3	0.3	212	10	PUEBLO BELLO (CESAR)
2534	Sep 19 2015	01:50:11.5	6.81	-73.14	149	3.4	0.5	67	74	LOS SANTOS (SANTANDER)
2535	Sep 19 2015	01:53:43.8	6.78	-73.10	146	1.8	0.5	143	21	LOS SANTOS (SANTANDER)
2536	Sep 19 2015	01:56:57.0	6.78	-73.18	144	1.8	0.3	132	23	ZAPATOCA (SANTANDER)
2537	Sep 19 2015	02:05:10.4	6.80	-73.13	144	2.1	0.4	138	18	LOS SANTOS (SANTANDER)
2538	Sep 19 2015	02:05:50.4	5.82	-72.51	Sup	2.2	0.6	232	9	PISVA (BOYACA)
2539	Sep 19 2015	02:52:11.8	3.44	-74.67	16	1.8	0.4	92	21	COLOMBIA (HUILA)
2540	Sep 19 2015	03:57:26.0	4.24	-75.88	Sup	1.0	0.4	183	8	SEVILLA (VALLE)
2541	Sep 19 2015	06:05:10.5	4.14	-76.51	25	1.3	0.5	200	12	TRUJILLO (VALLE)
2542	Sep 19 2015	07:07:50.5	4.22	-75.85	Sup	1.3	0.3	175	8	GENOVA (QUINDIO)
2543	Sep 19 2015	07:39:45.8	6.81	-73.13	142	1.8	0.4	137	20	LOS SANTOS (SANTANDER)
2544	Sep 19 2015	09:07:14.0	5.53	-76.49	21	1.4	0.2	132	8	LORO (CHOCO)
2545	Sep 19 2015	11:42:29.9	6.33	-73.59	107	2.1	0.4	54	33	SANTA HELENA DEL OPON (SANTANDER)
2546	Sep 19 2015	12:43:28.4	7.69	-74.85	37	2.0	0.4	120	18	EL BAGRE (ANTIOQUIA)
2547	Sep 19 2015	13:25:39.5	11.05	-72.69	78	2.7	0.5	133	22	MANAURE BALCON CESAR (CESAR)
2548	Sep 19 2015	14:28:58.0	6.83	-73.15	141	2.3	0.4	134	29	LOS SANTOS (SANTANDER)
2549	Sep 19 2015	14:44:35.9	11.77	-72.94	32	2.7	0.4	210	18	MAR CARIBE
2550	Sep 19 2015	14:55:26.7	8.43	-73.65	82	2.3	0.4	109	23	AGUACHICA (CESAR)
2551	Sep 19 2015	15:31:31.4	1.72	-76.34	Sup	2.3	0.5	139	30	SAN AGUSTIN (HUILA)
2552	Sep 19 2015	16:31: 8.5	6.78	-73.13	143	1.8	0.4	138	22	LOS SANTOS (SANTANDER)
2553	Sep 19 2015	16:48:57.9	5.71	-73.86	105	1.7	0.4	135	12	BRICENO (BOYACA)
2554	Sep 19 2015	17:44:29.1	11.19	-72.77	Sup	1.7	0.6	152	8	MANAURE BALCON CESAR (CESAR)
2555	Sep 19 2015	18:11:58.4	6.80	-73.17	134	2.1	0.4	133	22	LOS SANTOS (SANTANDER)
2556	Sep 19 2015	18:27:18.2	6.80	-73.18	144	1.9	0.5	197	20	ZAPATOCA (SANTANDER)
2557	Sep 19 2015	18:44:33.2	6.44	-73.69	101	2.3	0.4	58	26	SANTA HELENA DEL OPON (SANTANDER)
2558	Sep 19 2015	19:48:41.6	7.27	-76.37	Sup	2.0	0.4	156	16	MUTATA (ANTIOQUIA)
2559	Sep 19 2015	20:45:45.6	6.06	-74.29	Sup	3.9	0.6	54	0	PUERTO BOYACA (BOYACA)
<u>2560</u>	<u>Sep 19 2015</u>	<u>20:45:45.6</u>	<u>6.06</u>	<u>-74.29</u>	<u>0</u>	<u>3.9</u>	<u>0.6</u>	<u>54</u>	<u>92</u>	<u>PUERTO BOYACA (BOYACA)</u>
2561	Sep 19 2015	21:59:42.6	6.88	-73.24	146	1.7	0.6	255	10	BETULIA (SANTANDER)
2562	Sep 19 2015	22:35:48.9	6.82	-73.10	134	1.2	0.4	162	7	LOS SANTOS (SANTANDER)
2563	Sep 19 2015	22:38: 6.3	5.27	-73.76	146	1.6	0.5	129	11	CUCUNUBA (CUNDINAMARCA)
2564	Sep 19 2015	22:43:50.7	5.51	-74.47	Sup	2.3	0.6	65	29	YACOPI (CUNDINAMARCA)
2565	Sep 19 2015	23:13:59.8	7.60	-73.50	107	2.1	0.5	92	26	LA ESPERANZA (N.SANTANDER)
2566	Sep 19 2015	23:50: 3.6	6.79	-73.14	138	2.2	0.6	71	29	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2567	Sep 20 2015	00:01:23.1	10.54	-73.45	Sup	2.8	0.4	101	24	PUEBLO BELLO (CESAR)
2568	Sep 20 2015	00:08:51.8	9.01	-73.09	140	2.2	0.4	199	20	EL TARRA (N.SANTANDER)
2569	Sep 20 2015	01:37: 5.5	6.75	-73.17	137	1.6	0.3	135	16	LOS SANTOS (SANTANDER)
2570	Sep 20 2015	02:03:20.2	8.73	-73.46	91	1.6	0.4	146	14	PELAYA (CESAR)
2571	Sep 20 2015	02:12:60.0	6.82	-73.15	144	2.6	0.5	135	46	LOS SANTOS (SANTANDER)
2572	Sep 20 2015	03:42: 0.9	6.78	-73.16	145	1.3	0.4	235	10	LOS SANTOS (SANTANDER)
2573	Sep 20 2015	04:34:18.8	5.29	-73.82	140	1.5	0.4	153	14	UBATE (CUNDINAMARCA)
2574	Sep 20 2015	05:31:11.2	6.72	-76.70	27	1.6	0.5	150	16	VIGIA DEL FUERTE (ANTIOQUIA)
2575	Sep 20 2015	06:02:21.8	6.69	-73.24	139	1.7	0.4	152	15	BARICHARA (SANTANDER)
2576	Sep 20 2015	06:57: 7.6	6.79	-73.14	137	2.0	0.5	183	20	LOS SANTOS (SANTANDER)
2577	Sep 20 2015	07:45:44.9	4.16	-76.35	125	1.2	0.4	212	10	TRUJILLO (VALLE)
2578	Sep 20 2015	08:26:29.7	3.70	-74.20	Sup	2.0	0.4	112	31	LEJANIAS (META)
2579	Sep 20 2015	09:34:26.8	6.82	-73.16	147	1.8	0.4	209	14	LOS SANTOS (SANTANDER)
2580	Sep 20 2015	09:55:46.9	5.02	-76.37	14	1.3	0.3	196	11	SAN JOSE DEL PALMAR (CHOCO)
2581	Sep 20 2015	10:03: 6.2	8.18	-77.31	Sup	2.1	0.6	142	8	FRONTERA CON PANAMA
2582	Sep 20 2015	11:30:24.9	6.79	-73.09	147	2.3	0.5	124	30	LOS SANTOS (SANTANDER)
2583	Sep 20 2015	11:33:52.7	2.02	-75.80	Sup	1.6	0.4	109	16	GUADALUPE (HUILA)
2584	Sep 20 2015	11:58:55.1	3.69	-71.45	Sup	2.3	0.6	233	11	PUERTO GAITAN (META)
2585	Sep 20 2015	12:23:46.2	6.89	-73.13	141	1.9	0.5	214	22	PIEDRECUESTA (SANTANDER)
2586	Sep 20 2015	13:29:42.2	10.61	-73.58	31	1.7	0.3	220	8	PUEBLO BELLO (CESAR)
2587	Sep 20 2015	13:49:51.1	2.31	-75.70	9	1.3	0.5	104	10	AGRADO (HUILA)
2588	Sep 20 2015	14:29:23.1	6.80	-73.13	152	3.6	0.6	55	0	LOS SANTOS (SANTANDER)
2589	Sep 20 2015	14:29:23.1	6.80	-73.13	152	3.6	0.6	55	94	LOS SANTOS (SANTANDER)
2590	Sep 20 2015	16:17:44.0	6.80	-73.14	143	2.0	0.4	201	26	LOS SANTOS (SANTANDER)
2591	Sep 20 2015	18:06:11.2	6.17	-73.44	130	1.6	0.3	102	14	SAN BENITO (SANTANDER)
2592	Sep 20 2015	18:35:17.5	6.77	-73.13	140	1.6	0.5	155	14	LOS SANTOS (SANTANDER)
2593	Sep 20 2015	19:55:26.2	6.72	-73.12	144	1.6	0.3	142	10	JORDAN (SANTANDER)
2594	Sep 20 2015	20:39:26.6	6.79	-73.16	144	2.0	0.4	134	31	LOS SANTOS (SANTANDER)
2595	Sep 20 2015	20:54:17.0	6.77	-73.15	142	1.5	0.5	136	12	LOS SANTOS (SANTANDER)
2596	Sep 20 2015	21:57:34.7	6.72	-73.14	146	1.3	0.2	159	6	JORDAN (SANTANDER)
2597	Sep 20 2015	22:06:55.0	4.58	-76.19	Sup	1.2	0.6	219	8	VERSALLES (VALLE)
2598	Sep 20 2015	22:49: 8.2	4.21	-75.86	Sup	1.2	0.4	143	9	GENOVA (QUINDIO)
2599	Sep 21 2015	00:49:24.2	6.77	-73.11	153	1.4	0.3	141	11	LOS SANTOS (SANTANDER)
2600	Sep 21 2015	01:31: 8.4	3.94	-77.15	Sup	1.4	0.5	157	12	BUENAVENTURA (VALLE)
2601	Sep 21 2015	01:39:48.2	1.09	-79.54	18	3.0	0.4	221	10	O. PACIFICO (FRONTERA CON ECUADOR)
2602	Sep 21 2015	01:57:29.4	5.69	-73.92	108	1.3	0.5	93	12	BRICENO (BOYACA)
2603	Sep 21 2015	04:02:46.8	4.37	-73.57	12	1.3	0.6	128	10	RESTREPO (META)
2604	Sep 21 2015	04:08:50.0	6.81	-73.17	153	1.7	0.4	187	13	LOS SANTOS (SANTANDER)
2605	Sep 21 2015	04:27:38.5	3.69	-76.38	105	1.2	0.3	173	8	VIJES (VALLE)
2606	Sep 21 2015	05:30:58.7	6.78	-73.08	148	1.6	0.5	162	22	LOS SANTOS (SANTANDER)
2607	Sep 21 2015	05:33:41.7	6.81	-73.13	142	2.0	0.5	153	30	LOS SANTOS (SANTANDER)
2608	Sep 21 2015	05:39:24.4	6.53	-73.53	107	2.2	0.7	64	33	EL CARMEN (SANTANDER)
2609	Sep 21 2015	05:39:24.7	6.55	-73.56	104	2.2	0.5	59	33	EL CARMEN (SANTANDER)
2610	Sep 21 2015	06:13:47.0	7.59	-77.05	18	1.5	0.5	100	12	RIOSUCIO (CHOCO)
2611	Sep 21 2015	06:40: 6.3	9.32	-74.47	17	2.7	0.6	59	58	PIJINO DEL CARMEN (MAGDALENA)
2612	Sep 21 2015	08:29:27.8	6.81	-73.15	146	3.2	0.5	70	0	LOS SANTOS (SANTANDER)
2613	Sep 21 2015	08:29:27.8	6.81	-73.15	146	3.2	0.5	70	60	LOS SANTOS (SANTANDER)
2614	Sep 21 2015	08:50: 3.2	7.79	-74.39	24	1.4	0.5	115	10	SANTA ROSA DEL SUR (BOLIVAR)
2615	Sep 21 2015	09:16:23.8	8.15	-77.36	14	2.3	0.7	98	20	FRONTERA CON PANAMA

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2616	Sep 21 2015	09:40:34.2	3.34	-74.86	Sup	2.0	0.5	82	26	COLOMBIA (HUILA)
2617	Sep 21 2015	09:48:32.2	6.82	-73.15	143	2.0	0.5	193	21	LOS SANTOS (SANTANDER)
2618	Sep 21 2015	09:56:45.0	6.80	-73.13	147	1.9	0.5	201	13	LOS SANTOS (SANTANDER)
2619	Sep 21 2015	10:49:57.9	6.81	-73.14	144	2.6	0.5	136	52	LOS SANTOS (SANTANDER)
2620	Sep 21 2015	14:23:36.8	3.84	-76.18	155	2.8	0.5	100	36	BUGA (VALLE)
2621	Sep 21 2015	15:35: 1.2	6.80	-73.28	124	1.7	0.1	209	8	ZAPATOCA (SANTANDER)
2622	Sep 21 2015	17:12:39.1	5.56	-74.05	114	2.7	0.5	54	40	MARIPI (BOYACA)
2623	Sep 21 2015	17:41:18.4	3.45	-74.47	Sup	2.5	0.5	65	37	URIBE (META)
2624	Sep 21 2015	18:28:28.9	5.37	-76.10	27	2.0	0.5	104	18	PUEBLO RICO (RISARALDA)
2625	Sep 21 2015	19:18:13.8	6.78	-73.12	153	2.2	0.4	140	25	LOS SANTOS (SANTANDER)
2626	Sep 21 2015	21:29: 3.4	6.79	-73.16	144	2.4	0.4	134	31	LOS SANTOS (SANTANDER)
2627	Sep 21 2015	22:12:32.2	4.26	-76.14	10	2.4	0.5	106	19	BUGALAGRANDE (VALLE)
2628	Sep 22 2015	00:06:54.7	6.82	-73.08	145	1.7	0.4	269	7	LOS SANTOS (SANTANDER)
2629	Sep 22 2015	01:08:56.6	5.46	-73.79	142	1.8	0.4	117	14	SUSA (CUNDINAMARCA)
2630	Sep 22 2015	01:52: 1.1	6.81	-73.15	145	2.8	0.5	70	56	LOS SANTOS (SANTANDER)
2631	Sep 22 2015	02:20: 5.0	6.80	-73.17	146	1.7	0.2	199	11	LOS SANTOS (SANTANDER)
2632	Sep 22 2015	02:53:45.6	7.77	-74.05	71	2.0	0.3	90	17	SANTA ROSA DEL SUR (BOLIVAR)
2633	Sep 22 2015	03:43: 4.5	3.63	-76.91	71	1.8	0.6	121	11	DAGUA (VALLE)
2634	Sep 22 2015	04:07:47.3	6.82	-73.15	146	2.0	0.4	135	27	LOS SANTOS (SANTANDER)
2635	Sep 22 2015	04:59:28.3	2.70	-75.05	Sup	2.7	0.5	80	39	RIVERA (HUILA)
2636	Sep 22 2015	05:37: 0.7	4.27	-75.46	Sup	1.3	0.4	125	10	CAJAMARCA (TOLIMA)
2637	Sep 22 2015	06:18:58.5	3.45	-76.50	104	1.6	0.4	169	11	CALI (VALLE)
2638	Sep 22 2015	06:38: 6.3	6.81	-73.15	150	1.5	0.4	195	16	LOS SANTOS (SANTANDER)
2639	Sep 22 2015	07:15:29.9	4.97	-73.29	Sup	2.2	0.5	120	19	MACANAL (BOYACA)
2640	Sep 22 2015	07:18:18.4	6.81	-73.13	145	1.9	0.4	151	10	LOS SANTOS (SANTANDER)
2641	Sep 22 2015	10:44:47.0	7.58	-73.02	159	2.2	0.4	151	19	CACHIRA (N.SANTANDER)
2642	Sep 22 2015	13:29:41.6	6.76	-73.14	148	1.8	0.5	215	10	LOS SANTOS (SANTANDER)
2643	Sep 22 2015	14:44:47.4	9.10	-72.97	141	2.6	0.5	182	23	TIBU (N.SANTANDER)
2644	Sep 22 2015	14:56:55.7	6.79	-73.14	142	1.9	0.4	215	17	LOS SANTOS (SANTANDER)
2645	Sep 22 2015	15:48: 8.9	6.81	-73.14	147	2.2	0.4	196	20	LOS SANTOS (SANTANDER)
2646	Sep 22 2015	16:21:58.7	7.76	-73.43	95	2.0	0.6	151	12	SAN ALBERTO (CESAR)
2647	Sep 22 2015	17:01:41.0	6.80	-73.14	147	3.0	0.4	65	49	LOS SANTOS (SANTANDER)
2648	Sep 22 2015	17:19:38.8	4.43	-76.18	7	2.4	0.5	109	28	ROLDANILLO (VALLE)
2649	Sep 22 2015	19:28:40.3	6.78	-73.12	154	2.2	0.3	221	15	LOS SANTOS (SANTANDER)
2650	Sep 22 2015	19:41:37.8	6.80	-73.15	146	2.3	0.4	136	22	LOS SANTOS (SANTANDER)
2651	Sep 22 2015	19:55: 9.6	6.79	-73.13	141	2.2	0.4	138	21	LOS SANTOS (SANTANDER)
2652	Sep 22 2015	20:33:35.6	4.47	-76.22	Sup	1.5	0.6	174	12	EL DOVIO (VALLE)
2653	Sep 22 2015	21:54:11.0	6.44	-73.15	170	2.1	0.5	194	13	VALLE DE SAN JOSE (SANTANDER)
2654	Sep 23 2015	00:35:49.5	6.82	-73.14	144	1.6	0.5	147	14	LOS SANTOS (SANTANDER)
2655	Sep 23 2015	00:38:42.3	6.77	-73.15	147	1.5	0.3	150	13	LOS SANTOS (SANTANDER)
2656	Sep 23 2015	01:05:57.6	6.75	-76.75	10	1.3	0.4	285	8	VIGIA DEL FUERTE (ANTIOQUIA)
2657	Sep 23 2015	03:08:36.2	4.82	-74.62	10	1.8	0.4	112	20	SAN JUAN DE RIOSECO (CUNDINAMARCA)
2658	Sep 23 2015	04:25:56.8	8.22	-77.42	26	2.3	0.5	170	21	FRONTERA CON PANAMA
2659	Sep 23 2015	04:41:43.4	6.78	-73.14	151	1.7	0.4	183	18	LOS SANTOS (SANTANDER)
2660	Sep 23 2015	05:06:16.7	6.74	-73.12	149	1.9	0.5	142	22	LOS SANTOS (SANTANDER)
2661	Sep 23 2015	05:09:35.3	6.43	-76.73	18	1.8	0.6	122	22	VIGIA DEL FUERTE (ANTIOQUIA)
2662	Sep 23 2015	05:41:47.4	5.27	-73.74	145	1.9	0.4	130	25	CUCUNUBA (CUNDINAMARCA)
2663	Sep 23 2015	06:30:46.9	6.83	-73.17	143	1.7	0.4	206	16	ZAPATOCA (SANTANDER)
2664	Sep 23 2015	06:52:41.6	6.79	-73.13	143	2.2	0.5	138	22	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2665	Sep 23 2015	07:33:17.3	6.79	-73.12	140	2.4	0.5	139	38	LOS SANTOS (SANTANDER)
2666	Sep 23 2015	09:11:52.2	6.81	-73.11	150	2.5	0.5	157	34	LOS SANTOS (SANTANDER)
2667	Sep 23 2015	10:19:23.3	7.18	-77.17	14	1.8	0.5	175	9	RIOSUCIO (CHOCO)
2668	Sep 23 2015	12:22:10.4	6.85	-73.15	151	1.6	0.6	211	14	LOS SANTOS (SANTANDER)
2669	Sep 23 2015	12:24: 7.1	6.77	-73.16	147	1.8	0.4	208	14	LOS SANTOS (SANTANDER)
2670	Sep 23 2015	12:40:47.4	7.78	-74.55	28	1.8	0.5	104	12	EL BAGRE (ANTIOQUIA)
2671	Sep 23 2015	12:50: 4.9	5.69	-74.21	40	2.0	0.4	47	28	OTANCHE (BOYACA)
2672	Sep 23 2015	13:05:59.0	6.79	-73.17	144	1.9	0.5	208	14	LOS SANTOS (SANTANDER)
2673	Sep 23 2015	13:35:32.6	7.78	-73.24	139	2.0	0.4	171	16	SAN ALBERTO (CESAR)
2674	Sep 23 2015	14:11: 2.5	6.80	-73.13	146	2.7	0.5	120	32	LOS SANTOS (SANTANDER)
2675	Sep 23 2015	16:14: 9.2	6.81	-73.17	148	2.4	0.5	133	25	LOS SANTOS (SANTANDER)
<u>2676</u>	<u>Sep 23 2015</u>	<u>18:47:23.2</u>	<u>6.52</u>	<u>-73.56</u>	<u>137</u>	<u>4.2</u>	<u>0.5</u>	<u>50</u>	<u>0</u>	<u>EL CARMEN (SANTANDER)</u>
2677	Sep 23 2015	18:47:23.2	6.52	-73.56	137	4.2	0.5	50	87	EL CARMEN (SANTANDER)
2678	Sep 23 2015	19:59:16.2	6.53	-73.52	112	2.8	0.5	52	38	EL CARMEN (SANTANDER)
2679	Sep 23 2015	22:02:24.6	6.77	-73.12	143	3.4	0.5	73	0	LOS SANTOS (SANTANDER)
2680	Sep 23 2015	22:02:24.6	6.77	-73.12	143	3.4	0.5	73	64	LOS SANTOS (SANTANDER)
2681	Sep 23 2015	22:51: 0.7	5.24	-73.73	142	2.0	0.4	78	23	CUCUNUBA (CUNDINAMARCA)
2682	Sep 23 2015	23:57:52.9	11.02	-73.31	64	2.2	0.2	144	12	LA PAZ (CESAR)
2683	Sep 24 2015	01:18:54.3	3.83	-71.37	Sup	2.6	0.7	233	11	PUERTO GAITAN (META)
2684	Sep 24 2015	04:23:59.3	6.43	-75.82	49	1.8	0.5	129	11	SAN JERONIMO (ANTIOQUIA)
2685	Sep 24 2015	04:39: 8.8	5.70	-73.47	Sup	1.9	0.6	113	16	ARCABUCO (BOYACA)
2686	Sep 24 2015	05:02:46.4	3.97	-71.59	Sup	2.3	0.4	196	12	PUERTO GAITAN (META)
2687	Sep 24 2015	09:38:36.8	6.78	-73.10	146	1.8	0.5	187	18	LOS SANTOS (SANTANDER)
2688	Sep 24 2015	10:33:56.9	5.91	-75.87	30	1.6	0.6	95	15	TARSO (ANTIOQUIA)
2689	Sep 24 2015	14:28:45.9	6.50	-73.59	103	1.9	0.5	131	16	SANTA HELENA DEL OPON (SANTANDER)
2690	Sep 24 2015	16:20:35.5	6.82	-73.15	144	2.9	0.5	134	37	LOS SANTOS (SANTANDER)
2691	Sep 24 2015	17:06:34.5	6.78	-73.14	141	2.0	0.5	236	17	LOS SANTOS (SANTANDER)
2692	Sep 24 2015	23:55:20.9	5.86	-74.88	Sup	1.9	0.6	89	24	SAN LUIS (ANTIOQUIA)
2693	Sep 25 2015	00:06:40.4	3.44	-76.26	152	3.0	0.5	95	0	PRADERA (VALLE)
2694	Sep 25 2015	00:06:40.4	3.44	-76.26	152	3.0	0.5	95	51	PRADERA (VALLE)
2695	Sep 25 2015	02:21:46.4	4.38	-76.30	122	1.3	0.4	186	10	BOLIVAR (VALLE)
2696	Sep 25 2015	02:32:27.4	4.81	-74.72	12	1.5	0.3	172	10	BELTRAN (CUNDINAMARCA)
2697	Sep 25 2015	06:24:51.8	6.81	-73.09	133	1.6	0.5	209	11	LOS SANTOS (SANTANDER)
2698	Sep 25 2015	07:27:28.5	4.21	-75.85	Sup	1.8	0.3	151	10	GENOVA (QUINDIO)
2699	Sep 25 2015	07:45:26.1	6.73	-73.11	138	1.3	0.5	265	7	JORDAN (SANTANDER)
2700	Sep 25 2015	08:32:23.3	6.76	-73.15	141	1.7	0.5	257	10	LOS SANTOS (SANTANDER)
2701	Sep 25 2015	08:51: 1.8	0.83	-77.18	17	2.2	0.4	132	20	FUNES (NARINO)
2702	Sep 25 2015	08:58: 5.0	6.73	-73.09	149	1.6	0.4	221	11	JORDAN (SANTANDER)
2703	Sep 25 2015	09:08:28.0	6.80	-73.35	117	1.9	0.5	141	15	ZAPATOCA (SANTANDER)
2704	Sep 25 2015	10:15:31.5	6.92	-75.47	Sup	1.7	0.4	130	14	YARUMAL (ANTIOQUIA)
2705	Sep 25 2015	11:17:50.0	6.39	-73.66	112	1.7	0.3	141	12	SANTA HELENA DEL OPON (SANTANDER)
2706	Sep 25 2015	11:18:23.4	5.89	-73.62	127	1.9	0.2	95	13	BARBOSA (SANTANDER)
2707	Sep 25 2015	11:41:11.7	2.45	-75.96	Sup	1.9	0.4	108	12	LA PLATA (HUILA)
2708	Sep 25 2015	12:01:45.4	2.88	-74.82	Sup	2.6	0.4	86	24	BARAYA (HUILA)
2709	Sep 25 2015	12:23:31.6	6.58	-73.51	108	1.7	0.3	178	7	EL CARMEN (SANTANDER)
2710	Sep 25 2015	13:13:21.2	6.82	-73.17	140	2.0	0.5	206	15	ZAPATOCA (SANTANDER)
2711	Sep 25 2015	13:20:37.7	4.60	-76.23	110	1.8	0.3	223	12	VERSALLES (VALLE)
2712	Sep 25 2015	14:58:59.4	6.75	-73.38	122	1.9	0.6	147	10	ZAPATOCA (SANTANDER)
2713	Sep 25 2015	16:31:14.4	6.78	-73.19	155	2.1	0.4	199	15	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2714	Sep 25 2015	16:50:42.5	3.81	-71.30	Sup	3.8	0.6	237	53	PUERTO GAITAN (META)
2715	Sep 25 2015	17:15:47.7	3.84	-71.35	Sup	2.4	0.5	234	20	PUERTO GAITAN (META)
2716	Sep 25 2015	17:31:27.9	3.82	-71.35	Sup	3.3	0.3	217	35	PUERTO GAITAN (META)
2717	Sep 25 2015	19:27: 3.2	6.81	-73.12	149	3.2	0.5	56	56	LOS SANTOS (SANTANDER)
2718	Sep 25 2015	23:40:20.5	3.79	-76.67	58	1.8	0.4	132	10	DAGUA (VALLE)
2719	Sep 26 2015	01:05:46.7	6.81	-73.15	143	2.3	0.4	70	31	LOS SANTOS (SANTANDER)
2720	Sep 26 2015	01:45: 1.1	6.79	-73.19	151	1.6	0.4	196	11	ZAPATOCA (SANTANDER)
2721	Sep 26 2015	05:38:36.7	-0.16	-77.20	Sup	2.8	0.5	195	23	FRONTERA CON ECUADOR
2722	Sep 26 2015	05:54:58.7	6.82	-73.12	145	1.9	0.5	138	22	LOS SANTOS (SANTANDER)
2723	Sep 26 2015	07:24:24.2	6.17	-73.73	117	1.3	0.4	161	9	LANDAZURI (SANTANDER)
2724	Sep 26 2015	07:40:56.3	6.81	-73.13	149	2.5	0.5	137	47	LOS SANTOS (SANTANDER)
2725	Sep 26 2015	08:30:24.7	4.32	-77.94	52	2.7	0.3	258	19	O. PACIFICO CENTRO
2726	Sep 26 2015	08:40:48.9	6.80	-73.13	147	1.8	0.5	199	14	LOS SANTOS (SANTANDER)
2727	Sep 26 2015	09:42:29.6	6.81	-73.13	148	2.6	0.5	119	42	LOS SANTOS (SANTANDER)
2728	Sep 26 2015	10:01:39.5	6.90	-74.72	6	1.9	0.4	86	28	REMEDIOS (ANTIOQUIA)
2729	Sep 26 2015	10:28:21.9	7.20	-75.26	6	2.0	0.5	75	23	VALDIVIA (ANTIOQUIA)
2730	Sep 26 2015	10:43:39.7	4.03	-76.34	127	1.7	0.4	207	11	SAN PEDRO (VALLE)
2731	Sep 26 2015	10:44:49.1	6.80	-73.11	156	1.8	0.3	206	13	LOS SANTOS (SANTANDER)
2732	Sep 26 2015	11:01:11.1	6.80	-73.08	146	1.9	0.5	214	11	LOS SANTOS (SANTANDER)
2733	Sep 26 2015	11:02: 8.7	6.83	-73.04	140	1.8	0.4	220	7	LOS SANTOS (SANTANDER)
2734	Sep 26 2015	11:26:10.0	6.81	-73.14	147	2.2	0.4	136	27	LOS SANTOS (SANTANDER)
2735	Sep 26 2015	12:38: 2.0	6.49	-73.50	113	1.6	0.2	141	10	SIMACOTA (SANTANDER)
2736	Sep 26 2015	12:44: 5.5	11.52	-72.97	23	2.2	0.2	186	14	MAR CARIBE
2737	Sep 26 2015	13:37:19.0	3.92	-76.31	126	1.5	0.4	134	9	BUGA (VALLE)
2738	Sep 26 2015	14:10:57.9	4.63	-74.98	Sup	1.5	0.4	158	14	ALVARADO (TOLIMA)
2739	Sep 26 2015	14:49:29.1	1.59	-76.65	Sup	3.2	0.4	105	33	SANTA ROSA (CAUCA)
2740	Sep 26 2015	16:05:59.4	6.78	-73.10	148	1.9	0.4	143	16	LOS SANTOS (SANTANDER)
2741	Sep 26 2015	16:47:50.4	1.56	-76.58	Sup	2.7	0.3	153	23	SANTA ROSA (CAUCA)
2742	Sep 26 2015	17:57:35.8	6.81	-73.16	139	2.8	0.4	69	46	LOS SANTOS (SANTANDER)
2743	Sep 26 2015	19:38:22.3	6.82	-73.09	142	1.8	0.4	244	19	LOS SANTOS (SANTANDER)
2744	Sep 26 2015	19:52:46.2	6.79	-73.20	138	1.7	0.4	231	11	ZAPATOCA (SANTANDER)
2745	Sep 26 2015	20:31:43.1	7.35	-76.05	7	1.5	0.4	209	11	ITUANGO (ANTIOQUIA)
2746	Sep 26 2015	20:50:31.2	5.87	-73.77	104	1.6	0.4	119	14	JESUS MARIA (SANTANDER)
2747	Sep 26 2015	22:12: 6.3	4.78	-76.18	101	1.6	0.3	178	12	EL CAIRO (VALLE)
2748	Sep 26 2015	22:31:52.2	2.68	-75.03	Sup	2.4	0.5	95	28	RIVERA (HUILA)
2749	Sep 26 2015	23:46: 5.2	3.97	-76.24	112	1.5	0.4	121	11	SAN PEDRO (VALLE)
2750	Sep 26 2015	23:54: 7.1	1.96	-76.01	19	1.3	0.3	136	14	SALADOBLANCO (HUILA)
<u>2751</u>	<u>Sep 27 2015</u>	<u>00:22:48.7</u>	<u>10.28</u>	<u>-72.95</u>	<u>Sup</u>	<u>3.0</u>	<u>0.4</u>	<u>88</u>	<u>38</u>	<u>MANAURE BALCON CESAR (CESAR)</u>
2752	Sep 27 2015	00:25: 6.4	3.81	-71.30	16	3.2	0.3	197	28	PUERTO GAITAN (META)
2753	Sep 27 2015	01:56:55.0	3.52	-74.44	Sup	1.6	0.3	139	18	URIBE (META)
2754	Sep 27 2015	02:00:30.4	7.01	-73.21	133	2.0	0.5	116	30	GIRON (SANTANDER)
2755	Sep 27 2015	02:02:15.4	6.81	-73.16	145	1.7	0.4	133	16	LOS SANTOS (SANTANDER)
2756	Sep 27 2015	03:08:12.4	7.43	-73.21	132	1.5	0.3	301	7	EL PLAYON (SANTANDER)
2757	Sep 27 2015	03:25: 8.7	6.96	-76.30	Sup	1.3	0.2	257	12	DABEIBA (ANTIOQUIA)
2758	Sep 27 2015	04:39:24.6	8.88	-74.06	59	1.8	0.4	88	19	SAN MARTIN DE LOBA (BOLIVAR)
2759	Sep 27 2015	05:14:29.6	7.75	-74.54	39	0.9	0.4	104	10	EL BAGRE (ANTIOQUIA)
2760	Sep 27 2015	05:17:48.3	6.77	-73.15	152	1.3	0.3	234	10	LOS SANTOS (SANTANDER)
2761	Sep 27 2015	05:19:40.4	6.80	-73.13	141	2.2	0.4	185	34	LOS SANTOS (SANTANDER)
2762	Sep 27 2015	05:35:22.2	6.77	-73.17	146	1.2	0.3	233	9	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2763	Sep 27 2015	05:36:12.6	6.79	-73.15	149	1.7	0.3	182	16	LOS SANTOS (SANTANDER)
2764	Sep 27 2015	05:48: 4.1	6.76	-73.16	151	1.7	0.4	181	23	LOS SANTOS (SANTANDER)
2765	Sep 27 2015	05:49:46.6	10.65	-72.66	Sup	2.0	0.3	182	12	FRONTERA CON VENEZUELA
2766	Sep 27 2015	07:02: 4.3	6.80	-73.13	147	1.7	0.4	185	29	LOS SANTOS (SANTANDER)
2767	Sep 27 2015	08:06: 9.2	6.92	-74.73	Sup	1.9	0.4	86	29	REMEDIOS (ANTIOQUIA)
2768	Sep 27 2015	08:09: 1.2	6.80	-73.11	144	2.2	0.4	185	35	LOS SANTOS (SANTANDER)
2769	Sep 27 2015	08:27:25.5	6.29	-74.42	17	1.2	0.4	76	15	PUERTO NARE (ANTIOQUIA)
2770	Sep 27 2015	08:59:52.0	6.91	-74.72	Sup	1.3	0.4	158	12	REMEDIOS (ANTIOQUIA)
2771	Sep 27 2015	12:51:49.0	9.86	-74.43	19	2.4	0.3	140	14	NUEVA GRANADA (MAGDALENA)
2772	Sep 27 2015	14:09: 4.9	6.78	-73.15	145	2.8	0.5	110	42	LOS SANTOS (SANTANDER)
2773	Sep 27 2015	14:49:48.5	6.77	-73.08	158	1.9	0.3	234	10	LOS SANTOS (SANTANDER)
2774	Sep 27 2015	14:53:33.6	6.74	-73.14	149	1.8	0.5	220	9	LOS SANTOS (SANTANDER)
2775	Sep 27 2015	15:23:24.4	6.88	-76.25	Sup	1.6	0.7	212	11	URAMITA (ANTIOQUIA)
2776	Sep 27 2015	17:45:11.5	1.90	-76.07	Sup	2.3	0.4	115	21	PITALITO (HUILA)
2777	Sep 27 2015	18:09:53.7	6.79	-73.08	148	2.9	0.5	56	52	LOS SANTOS (SANTANDER)
2778	Sep 27 2015	18:43:24.9	6.79	-73.15	149	2.3	0.4	136	31	LOS SANTOS (SANTANDER)
2779	Sep 27 2015	19:03:50.3	6.82	-73.15	146	2.5	0.5	135	32	LOS SANTOS (SANTANDER)
2780	Sep 27 2015	19:17:16.7	5.79	-74.27	81	1.7	0.4	53	24	OTANCHE (BOYACA)
2781	Sep 27 2015	21:02: 0.9	6.82	-73.13	142	1.6	0.4	137	13	LOS SANTOS (SANTANDER)
2782	Sep 27 2015	23:14:23.9	6.82	-73.12	141	3.4	0.6	56	0	LOS SANTOS (SANTANDER)
2783	Sep 27 2015	23:14:23.9	6.82	-73.12	141	3.4	0.6	56	63	LOS SANTOS (SANTANDER)
2784	Sep 27 2015	23:18:59.1	6.80	-73.16	144	1.9	0.4	134	20	LOS SANTOS (SANTANDER)
2785	Sep 27 2015	23:43: 0.6	11.91	-72.10	10	2.8	0.4	297	18	MANAURE BALCON CESAR (CESAR)
2786	Sep 28 2015	01:21:56.7	6.79	-73.15	150	2.2	0.4	136	35	LOS SANTOS (SANTANDER)
2787	Sep 28 2015	01:27:28.9	6.80	-73.15	149	1.5	0.4	135	9	LOS SANTOS (SANTANDER)
2788	Sep 28 2015	02:41:14.6	6.78	-73.16	153	1.4	0.3	181	12	LOS SANTOS (SANTANDER)
2789	Sep 28 2015	02:59:12.9	6.34	-74.23	24	1.1	0.3	97	10	PUERTO BERRIO (ANTIOQUIA)
2790	Sep 28 2015	03:37:16.8	6.67	-73.18	133	1.1	0.4	224	8	VILLANUEVA (SANTANDER)
2791	Sep 28 2015	05:21:18.0	6.81	-73.13	142	1.5	0.5	199	16	LOS SANTOS (SANTANDER)
2792	Sep 28 2015	05:30:18.4	6.63	-73.68	108	1.2	0.4	107	8	EL CARMEN (SANTANDER)
2793	Sep 28 2015	06:43:24.4	6.82	-73.12	142	3.1	0.5	71	0	LOS SANTOS (SANTANDER)
2794	Sep 28 2015	06:43:24.4	6.82	-73.12	142	3.1	0.5	71	68	LOS SANTOS (SANTANDER)
2795	Sep 28 2015	07:09:25.7	6.79	-73.10	140	1.1	0.2	208	8	LOS SANTOS (SANTANDER)
2796	Sep 28 2015	07:47:30.3	6.83	-73.14	143	2.4	0.4	114	41	LOS SANTOS (SANTANDER)
2797	Sep 28 2015	08:33: 1.0	8.47	-73.54	86	1.2	0.4	130	11	EL CARMEN (N.SANTANDER)
2798	Sep 28 2015	09:03:31.2	6.78	-73.14	146	1.3	0.4	183	13	LOS SANTOS (SANTANDER)
2799	Sep 28 2015	09:25:23.6	6.76	-73.13	146	1.4	0.4	184	14	LOS SANTOS (SANTANDER)
2800	Sep 28 2015	09:29:10.8	6.80	-73.13	142	1.5	0.5	184	14	LOS SANTOS (SANTANDER)
2801	Sep 28 2015	09:31:26.0	5.79	-73.47	152	1.5	0.3	116	19	ARCABUCO (BOYACA)
2802	Sep 28 2015	09:33: 2.5	5.61	-74.01	112	1.6	0.4	90	24	PAUNA (BOYACA)
2803	Sep 28 2015	09:37:34.3	6.78	-73.13	149	1.1	0.4	201	13	LOS SANTOS (SANTANDER)
2804	Sep 28 2015	09:53:17.5	6.78	-73.14	150	1.8	0.4	183	14	LOS SANTOS (SANTANDER)
2805	Sep 28 2015	10:03:13.2	6.77	-73.19	154	1.8	0.5	178	15	ZAPATOCA (SANTANDER)
2806	Sep 28 2015	10:02:36.7	7.46	-73.17	132	1.8	0.4	190	12	EL PLAYON (SANTANDER)
2807	Sep 28 2015	12:54:24.0	6.76	-73.70	98	1.9	0.5	110	17	EL CARMEN (SANTANDER)
2808	Sep 28 2015	14:13:40.5	7.36	-75.34	12	2.6	0.5	100	20	VALDIVIA (ANTIOQUIA)
2809	Sep 28 2015	14:16:23.5	6.35	-73.45	116	2.2	0.5	92	23	CONTRATACION (SANTANDER)
2810	Sep 28 2015	15:01: 4.4	4.80	-76.37	97	1.6	0.2	246	8	EL CAIRO (VALLE)
2811	Sep 28 2015	20:57:12.9	6.79	-73.18	138	1.8	0.4	132	16	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2812	Sep 29 2015	00:41:10.5	6.87	-73.24	124	1.9	0.3	171	23	BETULIA (SANTANDER)
2813	Sep 29 2015	01:05: 8.7	6.78	-73.13	145	2.6	0.5	72	51	LOS SANTOS (SANTANDER)
2814	Sep 29 2015	01:14:38.0	6.81	-73.15	148	2.1	0.4	70	30	LOS SANTOS (SANTANDER)
2815	Sep 29 2015	02:02:36.5	6.80	-73.12	152	1.8	0.4	139	22	LOS SANTOS (SANTANDER)
2816	Sep 29 2015	02:04:29.9	6.80	-73.16	146	1.4	0.3	134	13	LOS SANTOS (SANTANDER)
2817	Sep 29 2015	02:15: 2.6	6.34	-77.79	Sup	2.8	0.5	115	58	O. PACIFICO NORTE
2818	Sep 29 2015	02:28:47.2	6.81	-73.12	149	2.6	0.4	72	49	LOS SANTOS (SANTANDER)
2819	Sep 29 2015	03:37:25.2	5.09	-74.88	Sup	1.0	0.5	204	10	ARMERO (TOLIMA)
2820	Sep 29 2015	04:17:43.9	6.20	-77.94	32	2.1	0.5	141	20	O. PACIFICO NORTE
2821	Sep 29 2015	04:22:26.1	5.09	-74.87	Sup	0.9	0.5	142	16	ARMERO (TOLIMA)
2822	Sep 29 2015	04:30:18.6	7.89	-73.68	92	1.7	0.4	73	19	SAN MARTIN (CESAR)
2823	Sep 29 2015	04:33:56.2	6.75	-73.41	105	1.0	0.3	164	11	EL CARMEN (SANTANDER)
2824	Sep 29 2015	04:41:59.0	6.81	-73.15	146	1.7	0.5	194	22	LOS SANTOS (SANTANDER)
2825	Sep 29 2015	05:52: 5.6	5.99	-72.39	Sup	2.4	0.6	117	33	LA SALINA (CASANARE)
2826	Sep 29 2015	06:04:37.3	6.80	-73.15	140	2.1	0.5	135	37	LOS SANTOS (SANTANDER)
2827	Sep 29 2015	06:24: 0.7	6.67	-73.58	98	1.2	0.4	118	12	EL CARMEN (SANTANDER)
2828	Sep 29 2015	07:15:31.6	7.49	-77.08	38	1.5	0.3	103	18	RIOSUCIO (CHOCO)
2829	Sep 29 2015	07:29:21.6	7.57	-75.12	27	1.3	0.4	146	10	CACERES (ANTIOQUIA)
2830	Sep 29 2015	07:46:27.5	6.75	-73.18	142	1.5	0.5	178	21	LOS SANTOS (SANTANDER)
2831	Sep 29 2015	08:20:44.1	4.82	-74.65	19	1.0	0.4	111	12	SAN JUAN DE RIOSECO (CUNDINAMARCA)
2832	Sep 29 2015	08:22:31.8	4.83	-74.64	16	1.1	0.4	110	13	SAN JUAN DE RIOSECO (CUNDINAMARCA)
2833	Sep 29 2015	08:37:15.2	4.74	-76.60	16	1.9	0.6	84	31	SIPI (CHOCO)
2834	Sep 29 2015	08:44:45.9	8.15	-73.13	154	1.6	0.6	258	8	ABREGO (N.SANTANDER)
2835	Sep 29 2015	08:50:37.4	6.86	-73.12	149	1.1	0.5	217	8	LOS SANTOS (SANTANDER)
2836	Sep 29 2015	09:01: 6.1	6.75	-73.18	144	1.3	0.5	197	11	LOS SANTOS (SANTANDER)
2837	Sep 29 2015	09:17:52.3	6.30	-77.55	Sup	1.7	0.5	226	10	O. PACIFICO NORTE
2838	Sep 29 2015	10:31:16.3	6.80	-73.11	150	2.9	0.5	54	52	LOS SANTOS (SANTANDER)
2839	Sep 29 2015	11:23:43.0	3.95	-76.28	124	1.7	0.4	101	14	BUGA (VALLE)
2840	Sep 29 2015	12:35:15.7	6.77	-73.13	143	2.0	0.4	139	21	LOS SANTOS (SANTANDER)
2841	Sep 29 2015	15:12:28.7	6.97	-76.34	9	2.1	0.3	243	10	DABEIBA (ANTIOQUIA)
2842	Sep 29 2015	15:53:37.4	2.47	-75.52	Sup	1.7	0.2	164	8	GIGANTE (HUILA)
2843	Sep 29 2015	16:32:15.0	10.65	-73.68	61	2.9	0.3	104	28	PUEBLO BELLO (CESAR)
2844	Sep 29 2015	16:35:40.9	4.47	-73.51	Sup	2.1	0.5	105	12	SAN JUANITO (META)
2845	Sep 29 2015	16:51:55.4	6.33	-77.63	Sup	2.8	0.6	175	35	O. PACIFICO NORTE
2846	Sep 29 2015	17:46:37.3	6.48	-73.26	158	2.3	0.5	126	28	SOCORRO (SANTANDER)
2847	Sep 29 2015	19:03:24.9	6.81	-73.13	148	2.0	0.5	154	15	LOS SANTOS (SANTANDER)
2848	Sep 29 2015	20:26:27.5	8.23	-77.27	20	2.8	0.5	84	28	UNGUIA (CHOCO)
2849	Sep 29 2015	21:22:44.6	6.80	-73.16	142	2.1	0.5	134	24	LOS SANTOS (SANTANDER)
2850	Sep 29 2015	22:05: 8.0	6.84	-73.15	148	2.2	0.4	134	23	LOS SANTOS (SANTANDER)
2851	Sep 29 2015	22:09:54.6	7.27	-76.37	Sup	2.1	0.5	156	9	MUTATA (ANTIOQUIA)
2852	Sep 29 2015	22:11:40.0	2.56	-72.19	Sup	2.8	0.9	254	24	MAPIRIPAN (META)
2853	Sep 29 2015	23:14:57.4	6.81	-73.10	149	2.0	0.4	205	16	LOS SANTOS (SANTANDER)
2854	Sep 29 2015	23:56:15.1	5.22	-73.02	Sup	1.9	0.6	275	14	SAN EDUARDO (BOYACA)
2855	Sep 30 2015	00:10:45.7	6.83	-73.10	143	1.5	0.4	140	15	LOS SANTOS (SANTANDER)
2856	Sep 30 2015	00:36:11.4	6.80	-73.14	148	1.4	0.3	137	13	LOS SANTOS (SANTANDER)
2857	Sep 30 2015	01:59:30.4	5.32	-72.90	Sup	1.0	0.5	163	8	CHAMEZA (CASANARE)
2858	Sep 30 2015	03:26:34.4	3.69	-76.99	Sup	1.4	0.3	148	16	BUENAVENTURA (VALLE)
2859	Sep 30 2015	04:05:42.2	6.80	-73.13	155	1.5	0.4	185	10	LOS SANTOS (SANTANDER)
2860	Sep 30 2015	04:08:15.6	1.70	-79.40	19	2.1	0.4	284	14	O. PACIFICO SUR
2861	Sep 30 2015	04:25:57.6	5.77	-76.65	Sup	1.6	0.4	95	18	QUIBDO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2862	Sep 30 2015	04:50: 5.3	6.48	-73.56	111	2.0	0.3	71	30	SANTA HELENA DEL OPON (SANTANDER)
2863	Sep 30 2015	04:53:19.8	9.12	-73.55	95	1.9	0.3	151	13	CURUMANI (CESAR)
2864	Sep 30 2015	05:26: 5.6	6.79	-73.11	156	1.0	0.4	240	7	LOS SANTOS (SANTANDER)
2865	Sep 30 2015	06:07:48.9	2.34	-75.62	15	1.2	0.3	93	13	GIGANTE (HUILA)
2866	Sep 30 2015	07:07:36.2	6.81	-73.12	148	1.4	0.4	186	13	LOS SANTOS (SANTANDER)
2867	Sep 30 2015	07:21:52.9	5.99	-76.23	46	1.2	0.4	251	9	EL CARMEN (CHOCO)
2868	Sep 30 2015	07:33:20.6	4.94	-76.07	102	1.6	0.5	168	16	EL AGUILA (VALLE)
2869	Sep 30 2015	07:47:46.2	5.11	-74.82	16	1.3	0.7	169	12	MARIQUITA (TOLIMA)
2870	Sep 30 2015	08:06:60.0	6.78	-73.12	133	1.5	0.2	139	11	LOS SANTOS (SANTANDER)
2871	Sep 30 2015	09:42:45.3	6.97	-72.97	176	2.9	0.4	71	58	SANTA BARBARA (SANTANDER)
2872	Sep 30 2015	10:07:56.1	8.31	-73.56	95	2.3	0.4	93	33	AGUACHICA (CESAR)
2873	Sep 30 2015	11:17:35.7	5.81	-72.53	20	2.1	0.5	175	16	PISVA (BOYACA)
2874	Sep 30 2015	11:29:47.1	5.88	-73.62	128	1.8	0.4	95	19	BARBOSA (SANTANDER)
2875	Sep 30 2015	15:24:29.4	6.75	-73.12	139	2.1	0.3	141	24	LOS SANTOS (SANTANDER)
2876	Sep 30 2015	15:49:49.0	6.82	-73.14	147	2.4	0.5	135	30	LOS SANTOS (SANTANDER)
2877	Sep 30 2015	16:42: 1.4	5.00	-76.01	107	1.9	0.4	162	15	LA CELIA (RISARALDA)
2878	Sep 30 2015	18:03:18.8	6.75	-73.10	144	1.7	0.3	144	16	LOS SANTOS (SANTANDER)
2879	Sep 30 2015	19:15:47.7	6.81	-73.15	149	1.9	0.3	135	20	LOS SANTOS (SANTANDER)
2880	Sep 30 2015	20:42:11.2	6.81	-73.12	174	1.8	0.5	203	15	LOS SANTOS (SANTANDER)
2881	Sep 30 2015	21:47:48.7	6.76	-73.18	141	1.8	0.3	134	9	LOS SANTOS (SANTANDER)
2882	Sep 30 2015	21:48:15.3	6.62	-73.07	171	2.0	0.4	152	9	CURITI (SANTANDER)
2883	Sep 30 2015	22:29:24.1	10.23	-73.87	61	2.4	0.1	186	9	EL COPEY (CESAR)
2884	Sep 30 2015	23:10:23.3	6.78	-73.12	143	3.1	0.5	72	60	LOS SANTOS (SANTANDER)
2885	Sep 30 2015	23:14:38.0	6.39	-73.64	110	1.6	0.4	72	22	SANTA HELENA DEL OPON (SANTANDER)
2886	Oct 1 2015	00:35:12.9	7.60	-73.47	106	1.5	0.4	95	11	LA ESPERANZA (N.SANTANDER)
2887	Oct 1 2015	00:35:45.8	6.04	-73.73	108	1.3	0.3	77	13	VELEZ (SANTANDER)
2888	Oct 1 2015	00:39: 0.5	6.82	-73.15	147	2.9	0.5	70	63	LOS SANTOS (SANTANDER)
2889	Oct 1 2015	01:04:51.9	6.73	-73.14	142	1.5	0.4	140	12	LOS SANTOS (SANTANDER)
2890	Oct 1 2015	01:24:23.2	5.66	-73.98	106	2.0	0.4	90	29	PAUNA (BOYACA)
2891	Oct 1 2015	01:59: 1.7	6.81	-73.13	150	3.2	0.5	71	0	LOS SANTOS (SANTANDER)
2892	Oct 1 2015	01:59: 1.7	6.81	-73.13	150	3.2	0.5	71	68	LOS SANTOS (SANTANDER)
2893	Oct 1 2015	02:04:53.5	6.81	-73.15	148	2.1	0.4	70	29	LOS SANTOS (SANTANDER)
2894	Oct 1 2015	02:15:50.5	6.80	-73.15	149	1.4	0.4	135	15	LOS SANTOS (SANTANDER)
2895	Oct 1 2015	02:55:10.1	6.75	-71.96	Sup	1.7	0.4	119	21	FORTUL (ARAUCA)
2896	Oct 1 2015	03:18:41.6	1.99	-75.84	Sup	0.8	0.2	126	11	SUAZA (HUILA)
2897	Oct 1 2015	03:47:34.6	10.99	-74.29	14	1.5	0.3	162	13	MAR CARIBE
2898	Oct 1 2015	03:58:33.0	6.18	-74.27	24	1.8	0.6	61	25	PUERTO NARE (ANTIOQUIA)
2899	Oct 1 2015	04:39:21.6	6.79	-73.11	144	1.6	0.3	240	12	LOS SANTOS (SANTANDER)
2900	Oct 1 2015	05:19:25.0	8.56	-73.72	34	1.9	0.1	113	8	LA GLORIA (CESAR)
2901	Oct 1 2015	05:55: 3.9	6.73	-73.10	132	1.3	0.3	267	10	JORDAN (SANTANDER)
2902	Oct 1 2015	06:19:19.4	6.79	-73.12	142	1.6	0.5	139	22	LOS SANTOS (SANTANDER)
2903	Oct 1 2015	07:45:15.0	6.74	-73.11	147	1.4	0.3	144	14	LOS SANTOS (SANTANDER)
2904	Oct 1 2015	08:02:41.6	6.82	-73.15	149	1.5	0.5	134	20	LOS SANTOS (SANTANDER)
2905	Oct 1 2015	08:18:53.0	8.47	-73.92	60	1.3	0.1	136	8	ARENAL (BOLIVAR)
2906	Oct 1 2015	08:22:14.7	5.24	-76.30	88	0.9	0.2	203	8	BAGADO (CHOCO)
2907	Oct 1 2015	08:43:27.8	7.78	-74.05	68	1.1	0.5	90	13	SANTA ROSA DEL SUR (BOLIVAR)
2908	Oct 1 2015	08:49:33.9	6.80	-73.16	141	1.9	0.4	70	22	LOS SANTOS (SANTANDER)
2909	Oct 1 2015	09:15: 3.5	3.16	-74.51	7	1.0	0.1	169	8	URIBE (META)
2910	Oct 1 2015	09:59:40.0	6.81	-73.17	144	2.1	0.5	132	31	ZAPATOCA (SANTANDER)
2911	Oct 1 2015	10:17:24.6	6.80	-73.14	146	2.5	0.5	71	42	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2912	Oct 1 2015	10:41:25.1	6.81	-73.08	152	1.3	0.6	143	9	LOS SANTOS (SANTANDER)
2913	Oct 1 2015	10:55:38.5	6.82	-73.20	148	1.4	0.2	131	9	ZAPATOCA (SANTANDER)
2914	Oct 1 2015	13:07: 2.5	6.80	-73.14	148	2.6	0.4	137	38	LOS SANTOS (SANTANDER)
2915	Oct 1 2015	14:45:57.9	7.27	-77.16	Sup	2.5	0.6	93	16	RIOSUCIO (CHOCO)
2916	Oct 1 2015	17:14: 7.7	6.83	-73.18	146	1.8	0.4	130	19	ZAPATOCA (SANTANDER)
2917	Oct 1 2015	18:16:51.5	5.46	-72.79	Sup	2.3	0.7	107	32	AQUITANIA (BOYACA)
2918	Oct 1 2015	20:20:39.4	0.17	-77.80	Sup	2.2	0.6	218	19	FRONTERA CON ECUADOR
2919	Oct 1 2015	21:07:28.5	12.38	-73.51	56	2.2	0.0	264	8	MAR CARIBE
2920	Oct 1 2015	22:57:10.0	6.79	-73.11	143	2.2	0.4	140	20	LOS SANTOS (SANTANDER)
2921	Oct 1 2015	23:18:11.7	6.81	-73.19	144	1.7	0.3	130	13	ZAPATOCA (SANTANDER)
2922	Oct 1 2015	23:34:54.7	6.80	-73.17	149	1.7	0.5	133	13	LOS SANTOS (SANTANDER)
2923	Oct 1 2015	23:49:10.6	6.96	-74.03	83	1.9	0.5	68	20	YONDO (ANTIOQUIA)
2924	Oct 1 2015	23:51:47.7	6.79	-73.15	145	1.9	0.4	135	20	LOS SANTOS (SANTANDER)
2925	Oct 2 2015	01:09:48.2	6.83	-73.11	153	1.7	0.5	138	21	LOS SANTOS (SANTANDER)
2926	Oct 2 2015	01:18:51.2	8.94	-73.98	24	2.2	0.5	95	22	SAN MARTIN DE LOBA (BOLIVAR)
2927	Oct 2 2015	01:37:10.9	6.82	-73.17	150	1.6	0.4	132	16	ZAPATOCA (SANTANDER)
2928	Oct 2 2015	02:36: 5.9	6.83	-73.10	148	1.6	0.5	140	21	LOS SANTOS (SANTANDER)
2929	Oct 2 2015	02:50:21.5	6.40	-73.49	117	1.6	0.5	82	21	CONTRATACION (SANTANDER)
2930	Oct 2 2015	05:21:54.8	5.74	-74.03	100	1.6	0.5	124	24	FLORIAN (SANTANDER)
2931	Oct 2 2015	05:36: 7.1	10.59	-73.52	Sup	2.0	0.3	169	8	PUEBLO BELLO (CESAR)
2932	Oct 2 2015	06:59: 3.6	6.76	-73.11	141	1.5	0.4	143	17	LOS SANTOS (SANTANDER)
2933	Oct 2 2015	06:59: 3.5	6.82	-73.16	141	1.6	0.4	134	21	LOS SANTOS (SANTANDER)
2934	Oct 2 2015	07:11:23.6	7.05	-75.83	Sup	1.4	0.6	160	14	PEQUE (ANTIOQUIA)
2935	Oct 2 2015	07:24:37.2	8.73	-73.47	13	1.6	0.4	148	12	PELAYA (CESAR)
2936	Oct 2 2015	07:34:49.8	6.21	-73.69	109	1.4	0.2	97	10	LA PAZ (SANTANDER)
2937	Oct 2 2015	08:19:45.9	6.81	-73.15	144	1.9	0.5	135	28	LOS SANTOS (SANTANDER)
2938	Oct 2 2015	08:39:11.7	6.26	-73.65	112	1.9	0.4	67	27	SANTA HELENA DEL OPON (SANTANDER)
2939	Oct 2 2015	08:57:41.5	7.35	-73.11	9	0.7	0.3	178	10	RIONEGRO (SANTANDER)
2940	Oct 2 2015	08:59:48.1	7.95	-73.20	131	1.4	0.2	186	12	ABREGO (N.SANTANDER)
2941	Oct 2 2015	09:36:27.2	6.78	-73.18	142	1.3	0.3	197	8	ZAPATOCA (SANTANDER)
2942	Oct 2 2015	09:49:15.2	6.43	-73.73	Sup	1.6	0.6	56	22	SANTA HELENA DEL OPON (SANTANDER)
2943	Oct 2 2015	10:21:36.1	6.80	-73.15	145	1.4	0.4	135	19	LOS SANTOS (SANTANDER)
2944	Oct 2 2015	10:27:50.5	6.76	-73.16	149	1.6	0.4	137	17	LOS SANTOS (SANTANDER)
2945	Oct 2 2015	10:29:13.7	5.27	-73.76	142	1.4	0.3	130	13	CUCUNUBA (CUNDINAMARCA)
2946	Oct 2 2015	10:30:13.4	6.77	-73.14	152	1.5	0.3	200	12	LOS SANTOS (SANTANDER)
2947	Oct 2 2015	10:47: 8.4	6.79	-73.15	142	1.8	0.4	135	19	LOS SANTOS (SANTANDER)
2948	Oct 2 2015	12:39:37.3	7.44	-72.13	Sup	1.8	0.4	111	15	FRONTERA CON VENEZUELA
2949	Oct 2 2015	13:57:32.6	6.79	-73.12	152	3.5	0.4	55	0	LOS SANTOS (SANTANDER)
2950	Oct 2 2015	13:57:32.6	6.79	-73.12	152	3.5	0.4	55	73	LOS SANTOS (SANTANDER)
2951	Oct 2 2015	14:26:41.8	6.75	-73.12	149	1.7	0.4	226	7	LOS SANTOS (SANTANDER)
2952	Oct 2 2015	15:19:18.9	2.60	-79.97	22	2.3	0.3	189	16	O. PACIFICO SUR
2953	Oct 2 2015	15:23:31.7	6.34	-73.60	120	1.4	0.2	137	7	SANTA HELENA DEL OPON (SANTANDER)
2954	Oct 2 2015	15:42:18.5	7.00	-74.07	14	1.4	0.3	131	12	YONDO (ANTIOQUIA)
2955	Oct 2 2015	15:50: 8.2	6.91	-76.69	Sup	1.8	0.6	135	10	MURINDO (ANTIOQUIA)
2956	Oct 2 2015	15:57:55.8	4.26	-75.17	26	1.3	0.3	178	10	ROVIRA (TOLIMA)
2957	Oct 2 2015	15:59:26.1	6.80	-73.15	146	1.9	0.4	136	22	LOS SANTOS (SANTANDER)
2958	Oct 2 2015	16:14:20.6	4.16	-75.02	Sup	1.9	0.3	79	25	SAN LUIS (TOLIMA)
2959	Oct 2 2015	16:20:26.5	6.81	-73.12	152	1.7	0.4	138	19	LOS SANTOS (SANTANDER)
2960	Oct 2 2015	16:32:19.9	6.78	-73.15	150	2.0	0.4	136	22	LOS SANTOS (SANTANDER)
2961	Oct 2 2015	17:24:24.2	1.64	-78.19	24	1.5	0.1	261	13	BARBACOAS (NARINO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2962	Oct 2 2015	17:26: 5.7	6.91	-73.19	158	1.9	0.4	124	20	BETULIA (SANTANDER)
2963	Oct 2 2015	19:00:54.8	3.69	-76.99	Sup	1.9	0.5	124	10	BUENAVENTURA (VALLE)
2964	Oct 2 2015	20:48:51.6	6.79	-73.10	142	1.7	0.5	142	17	LOS SANTOS (SANTANDER)
2965	Oct 2 2015	23:47:28.2	6.86	-73.31	122	2.0	0.5	102	27	BETULIA (SANTANDER)
2966	Oct 3 2015	01:14: 7.3	10.37	-74.35	9	1.6	0.5	187	10	PIVIJAY (MAGDALENA)
2967	Oct 3 2015	01:28:49.8	3.38	-76.60	9	1.1	0.3	178	9	CALI (VALLE)
2968	Oct 3 2015	01:29: 7.6	6.80	-73.13	144	2.5	0.5	71	41	LOS SANTOS (SANTANDER)
2969	Oct 3 2015	02:20:28.3	6.79	-73.16	142	1.6	0.6	134	13	LOS SANTOS (SANTANDER)
2970	Oct 3 2015	02:57:41.3	6.10	-73.83	Sup	1.5	0.3	102	8	EL PENON (SANTANDER)
2971	Oct 3 2015	03:41:18.3	6.70	-73.19	155	1.2	0.5	223	10	VILLANUEVA (SANTANDER)
2972	Oct 3 2015	04:48:35.4	6.81	-73.17	141	2.3	0.6	69	33	LOS SANTOS (SANTANDER)
2973	Oct 3 2015	04:56:25.0	2.46	-75.59	20	1.3	0.3	124	13	GIGANTE (HUILA)
2974	Oct 3 2015	05:04:29.9	8.59	-74.08	65	1.7	0.5	112	11	TIQUISIO (BOLIVAR)
2975	Oct 3 2015	05:56:49.9	6.76	-73.16	139	1.4	0.4	233	10	LOS SANTOS (SANTANDER)
2976	Oct 3 2015	06:52:37.4	5.91	-72.65	Sup	1.2	0.4	161	8	SOCHA (BOYACA)
2977	Oct 3 2015	06:54:33.9	5.88	-72.64	Sup	1.0	0.1	258	6	SOCHA (BOYACA)
2978	Oct 3 2015	07:02: 0.1	2.20	-75.54	Sup	1.4	0.3	177	14	GARZON (HUILA)
2979	Oct 3 2015	07:06:43.5	6.84	-73.14	138	2.5	0.5	70	44	LOS SANTOS (SANTANDER)
2980	Oct 3 2015	07:29:16.8	6.82	-73.11	143	2.4	0.6	72	41	LOS SANTOS (SANTANDER)
2981	Oct 3 2015	07:42:34.3	8.17	-77.39	Sup	2.2	0.6	99	10	FRONTERA CON PANAMA
2982	Oct 3 2015	07:46:24.2	6.79	-73.14	145	2.3	0.6	137	29	LOS SANTOS (SANTANDER)
2983	Oct 3 2015	07:48:41.1	6.23	-76.99	49	1.6	0.3	133	10	BOJAYA (CHOCO)
2984	Oct 3 2015	08:21:56.6	5.28	-77.43	34	2.0	0.3	173	12	O. PACIFICO CENTRO
2985	Oct 3 2015	08:28: 0.4	5.65	-75.56	12	1.7	0.5	127	14	VALPARAISO (ANTIOQUIA)
2986	Oct 3 2015	08:39:50.9	6.09	-74.01	86	1.2	0.4	85	11	EL PENON (SANTANDER)
2987	Oct 3 2015	08:58:19.9	9.01	-73.99	59	2.8	0.6	76	40	EL BANCO (MAGDALENA)
2988	Oct 3 2015	09:19:40.3	6.90	-73.14	145	2.0	0.6	131	19	PIEDECUESTA (SANTANDER)
2989	Oct 3 2015	09:25:29.1	6.79	-73.13	144	1.5	0.5	138	14	LOS SANTOS (SANTANDER)
2990	Oct 3 2015	09:31:18.1	2.95	-76.36	Sup	0.9	0.5	137	10	CALOTO (CAUCA)
2991	Oct 3 2015	10:26:58.9	6.82	-73.14	142	1.6	0.4	136	17	LOS SANTOS (SANTANDER)
2992	Oct 3 2015	13:29:22.6	4.71	-74.54	23	1.5	0.4	125	12	QUIPILE (CUNDINAMARCA)
2993	Oct 3 2015	17:00:21.2	8.41	-76.33	58	2.1	0.4	110	13	SAN PEDRO DE URABA (ANTIOQUIA)
2994	Oct 3 2015	17:53:39.2	4.85	-74.81	Sup	1.5	0.5	209	7	AMBALEMA (TOLIMA)
2995	Oct 3 2015	19:01: 1.3	7.84	-74.35	27	1.6	0.2	168	7	SANTA ROSA DEL SUR (BOLIVAR)
2996	Oct 3 2015	19:04:21.2	5.22	-74.57	18	1.3	0.3	158	11	UTICA (CUNDINAMARCA)
2997	Oct 3 2015	20:50:52.3	6.76	-73.14	143	1.8	0.3	157	13	LOS SANTOS (SANTANDER)
2998	Oct 3 2015	21:03:42.1	3.68	-76.83	Sup	1.8	0.4	132	12	DAGUA (VALLE)
2999	Oct 3 2015	21:21:20.2	4.50	-75.90	147	2.1	0.5	104	33	OBANDO (VALLE)
3000	Oct 4 2015	00:12:59.1	6.73	-73.17	138	1.4	0.4	136	12	VILLANUEVA (SANTANDER)
3001	Oct 4 2015	01:38:59.8	7.13	-76.25	Sup	1.5	0.2	251	8	DABEIBA (ANTIOQUIA)
3002	Oct 4 2015	01:58: 2.9	8.25	-73.61	86	2.3	0.5	79	34	AGUACHICA (CESAR)
3003	Oct 4 2015	02:07:37.7	6.80	-73.13	147	2.0	0.4	127	32	LOS SANTOS (SANTANDER)
3004	Oct 4 2015	02:18: 7.1	6.72	-73.16	146	1.5	0.4	229	10	VILLANUEVA (SANTANDER)
3005	Oct 4 2015	02:26:27.0	6.80	-73.14	146	1.8	0.4	136	22	LOS SANTOS (SANTANDER)
3006	Oct 4 2015	03:58:46.4	6.33	-76.16	Sup	1.5	0.4	194	13	URRAO (ANTIOQUIA)
3007	Oct 4 2015	04:28:22.9	6.77	-73.13	141	1.9	0.4	139	22	LOS SANTOS (SANTANDER)
3008	Oct 4 2015	04:36:37.0	6.81	-73.13	144	2.7	0.4	126	48	LOS SANTOS (SANTANDER)
3009	Oct 4 2015	05:50:59.7	6.23	-73.74	104	1.4	0.1	109	10	LANDAZURI (SANTANDER)
3010	Oct 4 2015	06:28: 6.6	6.78	-73.08	141	1.9	0.5	162	17	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3011	Oct 4 2015	07:44: 8.8	8.07	-75.14	Sup	1.7	0.3	129	8	CAUCASIA (ANTIOQUIA)
3012	Oct 4 2015	09:40: 8.8	6.76	-73.14	149	1.3	0.4	201	9	LOS SANTOS (SANTANDER)
3013	Oct 4 2015	10:19:34.2	6.81	-73.12	146	2.0	0.5	120	29	LOS SANTOS (SANTANDER)
3014	Oct 4 2015	11:38:24.3	3.68	-76.87	Sup	2.1	0.4	136	12	DAGUA (VALLE)
3015	Oct 4 2015	11:40:21.6	3.88	-76.28	124	2.0	0.4	132	10	BUGA (VALLE)
3016	Oct 4 2015	12:41: 6.8	3.78	-76.45	Sup	1.6	0.5	106	8	RESTREPO (VALLE)
3017	Oct 4 2015	14:43:14.7	5.26	-73.72	150	3.0	0.5	65	41	CUCUNUBA (CUNDINAMARCA)
3018	Oct 4 2015	15:25:25.0	6.81	-73.13	143	2.6	0.5	138	40	LOS SANTOS (SANTANDER)
3019	Oct 4 2015	15:36:58.4	5.25	-73.73	146	2.5	0.3	78	36	CUCUNUBA (CUNDINAMARCA)
3020	Oct 4 2015	16:08:58.7	6.74	-73.11	144	2.1	0.5	111	22	LOS SANTOS (SANTANDER)
3021	Oct 4 2015	16:12:27.1	6.82	-73.11	142	1.9	0.4	187	14	LOS SANTOS (SANTANDER)
3022	Oct 4 2015	22:43:15.0	6.89	-72.83	143	1.6	0.5	227	9	GUACA (SANTANDER)
3023	Oct 4 2015	22:46:14.1	6.80	-73.13	149	2.0	0.4	120	16	LOS SANTOS (SANTANDER)
3024	Oct 4 2015	22:55:16.0	6.81	-73.14	143	2.5	0.4	136	28	LOS SANTOS (SANTANDER)
3025	Oct 4 2015	23:19:13.4	6.79	-73.15	143	1.7	0.4	200	15	LOS SANTOS (SANTANDER)
3026	Oct 4 2015	23:48:50.3	6.81	-73.04	155	1.5	0.4	193	9	LOS SANTOS (SANTANDER)
3027	Oct 4 2015	23:53: 3.1	6.79	-73.12	147	2.5	0.5	72	36	LOS SANTOS (SANTANDER)
3028	Oct 5 2015	00:27:21.1	6.82	-73.12	141	2.2	0.5	127	29	LOS SANTOS (SANTANDER)
3029	Oct 5 2015	00:33: 5.1	6.73	-73.13	143	2.3	0.5	67	41	JORDAN (SANTANDER)
3030	Oct 5 2015	02:26:30.9	1.95	-75.91	Sup	1.1	0.3	128	8	TIMANA (HUILA)
3031	Oct 5 2015	03:27:27.4	6.52	-73.50	111	1.9	0.4	72	24	EL CARMEN (SANTANDER)
3032	Oct 5 2015	05:24:36.3	7.24	-77.04	13	2.2	0.4	108	14	RIOSUCIO (CHOCO)
3033	Oct 5 2015	05:44:10.4	6.81	-73.15	143	2.2	0.4	134	37	LOS SANTOS (SANTANDER)
3034	Oct 5 2015	05:53: 1.1	6.81	-73.14	143	1.9	0.5	136	21	LOS SANTOS (SANTANDER)
3035	Oct 5 2015	06:49:54.4	6.82	-76.22	Sup	1.6	0.5	197	14	URAMITA (ANTIOQUIA)
3036	Oct 5 2015	07:03:11.8	6.79	-73.14	146	1.9	0.5	138	26	LOS SANTOS (SANTANDER)
3037	Oct 5 2015	07:15:48.1	6.81	-73.17	134	1.7	0.5	132	24	ZAPATOCA (SANTANDER)
3038	Oct 5 2015	08:15:15.4	6.81	-73.11	147	1.7	0.5	140	23	LOS SANTOS (SANTANDER)
3039	Oct 5 2015	09:55:53.5	5.89	-77.33	Sup	2.0	0.4	166	12	O. PACIFICO NORTE
3040	Oct 5 2015	10:01:21.6	10.55	-73.34	83	1.5	0.2	155	12	LA PAZ (CESAR)
3041	Oct 5 2015	10:43:18.3	6.91	-74.56	24	1.2	0.2	234	8	REMEDIOS (ANTIOQUIA)
3042	Oct 5 2015	10:57:45.3	6.80	-73.15	148	3.2	0.4	70	0	LOS SANTOS (SANTANDER)
3043	Oct 5 2015	10:57:45.3	6.80	-73.15	148	3.2	0.4	70	65	LOS SANTOS (SANTANDER)
3044	Oct 5 2015	11:36: 2.7	7.35	-74.84	7	2.5	0.4	90	33	ZARAGOZA (ANTIOQUIA)
3045	Oct 5 2015	12:10:31.9	6.76	-73.08	149	1.7	0.4	189	13	LOS SANTOS (SANTANDER)
3046	Oct 5 2015	14:03:18.6	6.71	-77.49	Sup	2.2	0.3	153	21	JURADO (CHOCO)
3047	Oct 5 2015	14:43: 4.9	6.80	-73.13	149	1.8	0.3	217	12	LOS SANTOS (SANTANDER)
3048	Oct 5 2015	19:27:40.2	4.48	-76.17	9	2.0	0.4	119	18	EL DOVIO (VALLE)
3049	Oct 5 2015	19:47:36.2	4.86	-76.31	96	1.7	0.3	195	16	SAN JOSE DEL PALMAR (CHOCO)
3050	Oct 5 2015	20:28:15.0	6.77	-73.10	144	2.3	0.4	143	25	LOS SANTOS (SANTANDER)
3051	Oct 5 2015	21:20:24.9	6.80	-73.12	145	3.5	0.5	67	0	LOS SANTOS (SANTANDER)
3052	Oct 5 2015	21:20:24.9	6.80	-73.12	145	3.5	0.5	67	57	LOS SANTOS (SANTANDER)
3053	Oct 5 2015	23:05: 9.3	10.06	-73.47	102	2.6	0.5	144	20	AGUSTIN CODAZZI (CESAR)
3054	Oct 6 2015	00:18:51.1	6.85	-73.13	143	1.9	0.5	149	20	LOS SANTOS (SANTANDER)
3055	Oct 6 2015	00:55:14.3	6.79	-73.14	139	2.5	0.5	137	39	LOS SANTOS (SANTANDER)
3056	Oct 6 2015	02:23:30.5	5.28	-73.75	150	1.9	0.5	129	26	CUCUNUBA (CUNDINAMARCA)
3057	Oct 6 2015	02:24:40.2	6.78	-73.10	155	1.6	0.5	241	15	LOS SANTOS (SANTANDER)
3058	Oct 6 2015	05:22:20.2	5.46	-74.11	45	1.5	0.4	112	17	COPER (BOYACA)
3059	Oct 6 2015	05:31:24.5	6.75	-73.19	146	1.2	0.3	238	8	VILLANUEVA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3060	Oct 6 2015	06:14:26.1	6.79	-73.14	136	2.3	0.6	137	34	LOS SANTOS (SANTANDER)
3061	Oct 6 2015	06:44:13.6	5.44	-73.75	138	1.5	0.4	207	11	SUSA (CUNDINAMARCA)
3062	Oct 6 2015	07:09:12.0	6.82	-73.15	145	2.0	0.5	134	32	LOS SANTOS (SANTANDER)
3063	Oct 6 2015	07:48:37.9	6.81	-73.10	147	1.7	0.4	205	14	LOS SANTOS (SANTANDER)
3064	Oct 6 2015	10:52:47.2	6.80	-73.13	149	2.0	0.4	120	22	LOS SANTOS (SANTANDER)
3065	Oct 6 2015	10:57:50.8	6.66	-73.33	130	1.8	0.3	134	15	GALAN (SANTANDER)
3066	Oct 6 2015	11:38:56.4	6.81	-73.12	148	2.6	0.4	67	39	LOS SANTOS (SANTANDER)
3067	Oct 6 2015	12:34:43.3	6.51	-73.52	109	2.0	0.4	136	14	EL CARMEN (SANTANDER)
3068	Oct 6 2015	15:14:55.7	2.08	-75.73	Sup	1.5	0.4	125	11	ALTAMIRA (HUILA)
3069	Oct 6 2015	15:38:52.0	2.37	-75.38	19	1.8	0.5	100	14	GIGANTE (HUILA)
3070	Oct 6 2015	17:16:58.5	7.04	-76.23	12	2.2	0.4	236	9	DABEIBA (ANTIOQUIA)
3071	Oct 6 2015	17:50:16.6	6.51	-73.52	116	1.8	0.3	71	17	EL CARMEN (SANTANDER)
3072	Oct 6 2015	18:19:11.5	6.81	-73.10	144	2.1	0.4	141	21	LOS SANTOS (SANTANDER)
3073	Oct 6 2015	18:36:44.4	6.81	-73.14	145	2.4	0.4	71	35	LOS SANTOS (SANTANDER)
3074	Oct 6 2015	19:53:21.0	6.79	-73.13	145	3.7	0.4	72	0	LOS SANTOS (SANTANDER)
3075	Oct 6 2015	19:53:21.0	6.79	-73.13	145	3.7	0.4	72	84	LOS SANTOS (SANTANDER)
3076	Oct 7 2015	01:25:4.0	5.33	-76.02	19	1.5	0.5	168	16	PUEBLO RICO (RISARALDA)
3077	Oct 7 2015	02:02:0.8	5.00	-72.66	Sup	1.9	0.5	165	21	TAURAMENA (CASANARE)
3078	Oct 7 2015	02:03:10.0	3.69	-76.95	Sup	1.7	0.3	235	11	BUENAVENTURA (VALLE)
3079	Oct 7 2015	02:06:19.1	5.67	-74.27	82	1.7	0.4	55	22	OTANCHE (BOYACA)
3080	Oct 7 2015	02:07:43.8	6.44	-73.80	55	1.4	0.3	71	11	CIMITARRA (SANTANDER)
3081	Oct 7 2015	02:14:43.1	11.07	-73.84	22	1.6	0.3	170	13	PUEBLO BELLO (CESAR)
3082	Oct 7 2015	02:26:45.1	6.58	-73.40	116	1.1	0.3	147	7	HATO (SANTANDER)
3083	Oct 7 2015	02:33:21.8	8.48	-77.62	21	2.7	0.5	131	42	FRONTERA CON PANAMA
3084	Oct 7 2015	02:39:48.8	6.80	-73.13	147	1.9	0.4	138	22	LOS SANTOS (SANTANDER)
3085	Oct 7 2015	03:03:40.0	6.84	-73.08	148	1.6	0.4	190	15	LOS SANTOS (SANTANDER)
3086	Oct 7 2015	03:25:14.8	5.24	-73.72	149	2.7	0.4	65	0	CUCUNUBA (CUNDINAMARCA)
3087	Oct 7 2015	03:25:14.8	5.24	-73.72	149	2.7	0.4	65	47	CUCUNUBA (CUNDINAMARCA)
3088	Oct 7 2015	04:18:27.6	6.81	-73.11	144	1.8	0.4	140	19	LOS SANTOS (SANTANDER)
3089	Oct 7 2015	04:31:23.4	8.65	-73.73	85	1.7	0.3	184	8	LA GLORIA (CESAR)
3090	Oct 7 2015	04:47:47.5	5.54	-74.34	28	0.9	0.1	157	8	YACOPI (CUNDINAMARCA)
3091	Oct 7 2015	05:18:37.0	6.78	-73.15	147	1.5	0.3	182	10	LOS SANTOS (SANTANDER)
3092	Oct 7 2015	06:07:3.1	10.98	-72.19	85	1.9	0.3	187	13	FRONTERA CON VENEZUELA
3093	Oct 7 2015	07:20:32.4	11.72	-72.50	21	2.1	0.3	201	11	MANAURE BALCON CESAR (CESAR)
3094	Oct 7 2015	07:53:22.3	6.79	-73.12	143	2.1	0.4	72	33	LOS SANTOS (SANTANDER)
3095	Oct 7 2015	08:07:14.2	7.06	-73.48	112	2.2	0.4	77	28	SAN VICENTE DE CHUCURI (SANTANDER)
3096	Oct 7 2015	08:07:36.5	6.00	-72.87	Sup	1.8	0.4	175	8	TUTAZA (BOYACA)
3097	Oct 7 2015	08:50:4.3	6.84	-72.99	138	1.1	0.2	214	8	CEPITA (SANTANDER)
3098	Oct 7 2015	09:03:54.9	7.61	-75.35	23	1.7	0.4	131	7	CACERES (ANTIOQUIA)
3099	Oct 7 2015	09:11:37.6	7.69	-74.02	19	1.6	0.4	104	10	SAN PABLO (BOLIVAR)
3100	Oct 7 2015	09:52:51.5	6.76	-73.11	143	1.8	0.4	142	20	LOS SANTOS (SANTANDER)
3101	Oct 7 2015	11:01:29.6	2.41	-73.76	23	2.0	0.3	194	16	LA MACARENA (META)
3102	Oct 7 2015	11:41:22.7	6.82	-73.10	154	1.7	0.4	205	12	LOS SANTOS (SANTANDER)
3103	Oct 7 2015	12:45:53.9	3.87	-71.42	Sup	3.0	0.5	231	38	PUERTO GAITAN (META)
3104	Oct 7 2015	13:35:8.0	6.79	-73.14	148	2.4	0.4	137	29	LOS SANTOS (SANTANDER)
3105	Oct 7 2015	13:44:43.2	6.80	-73.12	149	2.3	0.4	138	29	LOS SANTOS (SANTANDER)
3106	Oct 7 2015	14:19:30.5	7.16	-75.75	Sup	1.6	0.2	129	8	ITUANGO (ANTIOQUIA)
3107	Oct 7 2015	14:31:1.2	1.96	-75.93	18	1.9	0.3	128	14	TIMANA (HUILA)
3108	Oct 7 2015	14:35:48.2	6.81	-73.13	150	3.7	0.6	53	0	LOS SANTOS (SANTANDER)
3109	Oct 7 2015	14:35:48.2	6.81	-73.13	150	3.7	0.6	53	82	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3110	Oct 7 2015	15:34:49.8	4.78	-76.06	25	1.6	0.2	218	10	ANSERMANUEVO (VALLE)
3111	Oct 7 2015	16:36:11.7	6.78	-73.12	147	2.1	0.4	139	26	LOS SANTOS (SANTANDER)
3112	Oct 7 2015	17:20:55.6	5.47	-73.83	Sup	1.7	0.5	114	18	SUSA (CUNDINAMARCA)
3113	Oct 7 2015	17:39:48.5	6.84	-73.18	140	1.7	0.3	129	12	ZAPATOCA (SANTANDER)
3114	Oct 7 2015	21:54:20.5	6.81	-73.11	146	2.6	0.4	139	38	LOS SANTOS (SANTANDER)
3115	Oct 8 2015	00:26:51.9	6.79	-73.11	153	1.7	0.4	203	14	LOS SANTOS (SANTANDER)
3116	Oct 8 2015	00:54:38.4	6.22	-74.70	7	1.5	0.5	85	19	PUERTO NARE (ANTIOQUIA)
3117	Oct 8 2015	01:00:11.5	6.81	-73.12	146	1.5	0.2	241	7	LOS SANTOS (SANTANDER)
3118	Oct 8 2015	01:08: 3.1	6.78	-73.13	144	2.0	0.4	138	29	LOS SANTOS (SANTANDER)
3119	Oct 8 2015	01:12:33.2	3.26	-74.47	7	1.6	0.3	108	15	URIBE (META)
3120	Oct 8 2015	01:18:17.4	6.81	-73.14	148	1.9	0.4	71	21	LOS SANTOS (SANTANDER)
3121	Oct 8 2015	01:58:15.2	5.11	-76.27	98	1.3	0.3	196	8	SAN JOSE DEL PALMAR (CHOCO)
3122	Oct 8 2015	02:25:12.8	6.16	-74.72	19	0.9	0.4	188	9	PUERTO NARE (ANTIOQUIA)
3123	Oct 8 2015	02:25:25.7	6.42	-76.68	10	1.6	0.5	266	8	VIGIA DEL FUERTE (ANTIOQUIA)
3124	Oct 8 2015	03:41:37.8	6.38	-73.50	117	2.5	0.4	51	49	CONTRATACION (SANTANDER)
3125	Oct 8 2015	04:03:10.0	8.84	-73.20	116	1.9	0.3	90	19	EL TARRA (N.SANTANDER)
3126	Oct 8 2015	04:05:54.8	7.16	-74.21	Sup	1.2	0.2	159	7	YONDO (ANTIOQUIA)
3127	Oct 8 2015	04:14:37.6	7.05	-75.94	Sup	1.6	0.6	128	12	PEQUE (ANTIOQUIA)
3128	Oct 8 2015	04:50:25.6	6.95	-74.46	28	1.3	0.4	115	15	REMEDIOS (ANTIOQUIA)
3129	Oct 8 2015	04:53:43.3	8.15	-77.30	Sup	2.7	0.7	142	9	FRONTERA CON PANAMA
3130	Oct 8 2015	05:47:57.1	6.79	-73.13	143	1.6	0.6	138	14	LOS SANTOS (SANTANDER)
3131	Oct 8 2015	06:01:29.3	6.14	-74.30	Sup	1.3	0.5	120	14	PUERTO NARE (ANTIOQUIA)
3132	Oct 8 2015	07:47:36.2	5.92	-73.52	132	1.2	0.4	95	14	TOGUI (BOYACA)
3133	Oct 8 2015	07:54:30.9	6.79	-73.10	145	2.1	0.5	56	0	LOS SANTOS (SANTANDER)
3134	Oct 8 2015	07:54:30.9	6.79	-73.10	145	2.1	0.5	56	40	LOS SANTOS (SANTANDER)
3135	Oct 8 2015	08:34:10.0	2.32	-77.34	107	2.0	0.4	141	29	ARGELIA (CAUCA)
3136	Oct 8 2015	08:56:31.2	6.78	-73.10	155	1.5	0.4	142	13	LOS SANTOS (SANTANDER)
3137	Oct 8 2015	09:02:45.0	6.81	-73.11	145	1.7	0.4	140	24	LOS SANTOS (SANTANDER)
3138	Oct 8 2015	09:13:50.1	3.12	-74.72	Sup	2.9	0.5	43	0	COLOMBIA (HUILA)
3139	Oct 8 2015	09:13:50.1	3.12	-74.72	0	2.9	0.5	43	51	COLOMBIA (HUILA)
3140	Oct 8 2015	09:41:30.2	6.82	-73.12	146	1.5	0.3	203	9	LOS SANTOS (SANTANDER)
3141	Oct 8 2015	10:43:32.3	6.81	-73.09	147	2.0	0.5	188	28	LOS SANTOS (SANTANDER)
3142	Oct 8 2015	11:03:38.6	6.78	-73.13	141	2.2	0.5	138	33	LOS SANTOS (SANTANDER)
3143	Oct 8 2015	11:35: 2.1	6.79	-73.14	136	1.8	0.3	216	11	LOS SANTOS (SANTANDER)
3144	Oct 8 2015	12:01:53.7	6.78	-73.13	141	2.4	0.5	139	33	LOS SANTOS (SANTANDER)
3145	Oct 8 2015	12:55: 4.0	6.71	-73.23	138	2.0	0.5	118	23	VILLANUEVA (SANTANDER)
3146	Oct 8 2015	12:59:20.9	4.46	-76.03	138	1.3	0.3	188	8	LA VICTORIA (VALLE)
3147	Oct 8 2015	13:11:43.8	3.75	-76.87	47	1.5	0.2	255	8	DAGUA (VALLE)
3148	Oct 8 2015	14:08: 8.4	6.81	-73.16	143	2.5	0.5	133	39	LOS SANTOS (SANTANDER)
3149	Oct 8 2015	16:02:19.3	6.80	-73.14	144	2.0	0.4	201	15	LOS SANTOS (SANTANDER)
3150	Oct 8 2015	16:36:24.8	4.68	-76.20	117	1.4	0.2	226	10	EL CAIRO (VALLE)
3151	Oct 8 2015	16:41:52.4	4.85	-73.29	Sup	1.8	0.4	123	17	SANTA MARIA (BOYACA)
3152	Oct 8 2015	16:58:47.2	6.84	-76.18	Sup	2.4	0.6	157	26	URAMITA (ANTIOQUIA)
3153	Oct 8 2015	18:26:44.4	7.39	-73.97	19	1.5	0.4	177	10	CANTAGALLO (BOLIVAR)
3154	Oct 8 2015	19:53: 7.9	6.81	-73.12	148	2.0	0.4	155	18	LOS SANTOS (SANTANDER)
3155	Oct 9 2015	00:04:55.6	6.78	-73.10	150	2.0	0.4	143	32	LOS SANTOS (SANTANDER)
3156	Oct 9 2015	00:09:42.4	6.78	-73.10	144	1.7	0.5	142	20	LOS SANTOS (SANTANDER)
3157	Oct 9 2015	00:46: 6.0	4.89	-76.24	94	1.5	0.3	187	18	SAN JOSE DEL PALMAR (CHOCO)
3158	Oct 9 2015	01:42:39.6	5.91	-72.68	Sup	1.3	0.6	220	12	SOCHA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3159	Oct 9 2015	03:44:36.3	10.17	-73.54	48	1.9	0.4	156	12	PUEBLO BELLO (CESAR)
3160	Oct 9 2015	03:52:31.3	2.67	-75.07	Sup	1.8	0.4	121	20	RIVERA (HUILA)
3161	Oct 9 2015	04:05:57.6	6.81	-73.09	149	1.8	0.5	159	22	LOS SANTOS (SANTANDER)
3162	Oct 9 2015	05:03:36.9	3.87	-71.37	7	1.9	0.3	290	10	PUERTO GAITAN (META)
3163	Oct 9 2015	05:54:11.5	3.81	-71.41	Sup	1.8	0.4	263	13	PUERTO GAITAN (META)
3164	Oct 9 2015	06:07:15.8	6.04	-73.54	114	1.2	0.3	119	12	SAN JOSE DE PARE (BOYACA)
3165	Oct 9 2015	06:19:41.9	6.35	-74.35	59	1.2	0.0	138	7	PUERTO BERRIO (ANTIOQUIA)
3166	Oct 9 2015	07:58:48.3	6.72	-73.58	104	1.5	0.5	98	12	EL CARMEN (SANTANDER)
3167	Oct 9 2015	11:04:28.4	6.82	-73.10	147	1.5	0.4	205	10	LOS SANTOS (SANTANDER)
3168	Oct 9 2015	11:09:31.7	5.09	-76.54	90	1.7	0.4	133	21	CONDOTO (CHOCO)
3169	Oct 9 2015	12:14:59.3	7.58	-74.07	20	1.4	0.2	138	8	SAN PABLO (BOLIVAR)
3170	Oct 9 2015	13:15: 5.5	5.26	-73.73	148	2.1	0.3	78	26	CUCUNUBA (CUNDINAMARCA)
3171	Oct 9 2015	13:34:51.3	4.75	-76.17	85	1.7	0.4	176	12	EL CAIRO (VALLE)
3172	Oct 9 2015	16:16:16.0	3.14	-76.58	119	1.4	0.3	166	9	JAMUNDI (VALLE)
3173	Oct 9 2015	17:09: 5.8	6.80	-73.13	143	1.7	0.4	137	17	LOS SANTOS (SANTANDER)
3174	Oct 9 2015	17:18:45.9	6.79	-73.10	149	2.0	0.3	142	21	LOS SANTOS (SANTANDER)
3175	Oct 9 2015	17:51: 0.1	6.80	-73.12	149	1.9	0.2	138	19	LOS SANTOS (SANTANDER)
3176	Oct 9 2015	17:54:51.5	6.82	-73.14	142	1.4	0.4	135	8	LOS SANTOS (SANTANDER)
3177	Oct 9 2015	18:08:19.1	6.81	-73.10	151	1.8	0.3	141	16	LOS SANTOS (SANTANDER)
3178	Oct 9 2015	19:06:32.0	6.78	-73.13	144	1.9	0.3	139	14	LOS SANTOS (SANTANDER)
3179	Oct 9 2015	20:30:35.7	9.90	-72.85	Sup	2.5	0.2	151	12	FRONTERA CON VENEZUELA
3180	Oct 9 2015	21:04: 3.6	7.16	-76.92	20	2.1	0.4	199	10	MURINDO (ANTIOQUIA)
3181	Oct 9 2015	21:05:15.1	6.50	-73.50	110	1.8	0.4	89	11	SIMACOTA (SANTANDER)
3182	Oct 9 2015	23:03:17.3	6.82	-73.13	141	2.7	0.5	71	46	LOS SANTOS (SANTANDER)
3183	Oct 10 2015	00:14: 8.9	8.94	-77.38	17	2.4	0.4	151	16	CARIBE (FRONTERA CON PANAMA)
3184	Oct 10 2015	00:38: 1.0	6.80	-73.14	144	1.3	0.2	136	10	LOS SANTOS (SANTANDER)
3185	Oct 10 2015	01:00: 7.2	6.77	-73.11	144	1.4	0.2	142	10	LOS SANTOS (SANTANDER)
3186	Oct 10 2015	02:28:48.6	1.30	-78.67	81	2.0	0.5	169	20	FRONTERA CON ECUADOR
3187	Oct 10 2015	02:29:26.2	6.79	-73.12	146	1.5	0.3	140	12	LOS SANTOS (SANTANDER)
3188	Oct 10 2015	03:02: 5.3	6.78	-73.09	140	1.4	0.3	144	11	LOS SANTOS (SANTANDER)
3189	Oct 10 2015	03:19:57.4	6.77	-73.07	147	1.8	0.4	146	30	LOS SANTOS (SANTANDER)
3190	Oct 10 2015	03:23:52.5	6.74	-73.12	153	1.3	0.4	141	8	LOS SANTOS (SANTANDER)
3191	Oct 10 2015	03:51:10.7	6.77	-73.09	145	1.3	0.2	144	8	LOS SANTOS (SANTANDER)
3192	Oct 10 2015	04:24:59.5	6.79	-73.11	146	1.3	0.1	140	12	LOS SANTOS (SANTANDER)
3193	Oct 10 2015	05:45:21.9	6.78	-73.12	154	1.2	0.4	238	10	LOS SANTOS (SANTANDER)
3194	Oct 10 2015	05:48:30.8	3.82	-71.36	Sup	2.6	0.5	194	29	PUERTO GAITAN (META)
3195	Oct 10 2015	05:56:19.4	6.80	-73.13	145	1.6	0.3	71	20	LOS SANTOS (SANTANDER)
3196	Oct 10 2015	05:58: 6.3	6.80	-73.12	146	2.0	0.4	72	36	LOS SANTOS (SANTANDER)
3197	Oct 10 2015	06:36: 3.2	7.29	-73.39	8	1.9	0.3	82	21	SABANA DE TORRES (SANTANDER)
3198	Oct 10 2015	06:49:32.9	8.30	-77.13	31	1.9	0.3	176	10	ACANDI (CHOCO)
3199	Oct 10 2015	07:32:49.4	5.40	-73.81	Sup	1.0	0.5	207	9	FUQUENE (CUNDINAMARCA)
3200	Oct 10 2015	07:41:53.7	4.20	-75.85	Sup	0.9	0.4	140	14	GENOVA (QUINDIO)
3201	Oct 10 2015	07:47:16.5	6.71	-73.15	146	1.2	0.4	230	10	VILLANUEVA (SANTANDER)
3202	Oct 10 2015	07:50:12.7	5.62	-76.02	51	2.6	0.5	70	0	BETANIA (ANTIOQUIA)
3203	Oct 10 2015	07:50:12.7	5.62	-76.02	51	2.6	0.5	70	55	BETANIA (ANTIOQUIA)
3204	Oct 10 2015	08:12:11.3	6.77	-73.11	143	1.4	0.3	142	9	LOS SANTOS (SANTANDER)
3205	Oct 10 2015	08:12:31.9	6.82	-73.11	149	2.0	0.4	128	31	LOS SANTOS (SANTANDER)
3206	Oct 10 2015	08:36:51.4	3.82	-71.46	Sup	1.8	0.5	230	10	PUERTO GAITAN (META)
3207	Oct 10 2015	08:43:32.9	6.07	-74.23	20	1.0	0.4	72	13	LA BELLEZA (SANTANDER)
3208	Oct 10 2015	08:54:32.9	6.79	-73.09	144	1.3	0.3	205	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3209	Oct 10 2015	09:12:24.2	4.78	-76.18	97	1.4	0.3	177	10	EL CAIRO (VALLE)
3210	Oct 10 2015	10:40:11.9	10.69	-73.61	64	1.8	0.2	117	8	PUEBLO BELLO (CESAR)
3211	Oct 10 2015	11:27:37.7	6.81	-73.12	142	2.7	0.5	72	46	LOS SANTOS (SANTANDER)
3212	Oct 10 2015	12:52:32.0	6.76	-73.15	144	2.7	0.5	71	43	LOS SANTOS (SANTANDER)
3213	Oct 10 2015	13:29: 0.8	5.28	-73.72	152	3.4	0.6	65	0	LENGUAZAQUE (CUNDINAMARCA)
3214	Oct 10 2015	13:29: 0.8	5.28	-73.72	152	3.4	0.6	65	54	LENGUAZAQUE (CUNDINAMARCA)
3215	Oct 10 2015	15:38:58.0	6.82	-73.12	144	2.9	0.5	72	47	LOS SANTOS (SANTANDER)
3216	Oct 10 2015	15:51:45.9	4.45	-76.77	18	3.4	0.7	121	0	SIPI (CHOCO)
3217	Oct 10 2015	15:51:45.9	4.45	-76.77	18	3.4	0.7	121	76	SIPI (CHOCO)
3218	Oct 10 2015	17:28:32.3	6.80	-73.20	139	1.6	0.3	129	10	ZAPATOCA (SANTANDER)
3219	Oct 10 2015	18:30:18.9	2.86	-74.82	Sup	2.2	0.5	87	26	BARAYA (HUILA)
3220	Oct 10 2015	19:41:12.4	9.90	-73.07	Sup	2.3	0.4	141	10	AGUSTIN CODAZZI (CESAR)
3221	Oct 10 2015	21:10: 8.6	3.42	-77.42	15	2.0	0.3	245	11	O. PACIFICO SUR
3222	Oct 10 2015	23:15:49.6	3.76	-75.85	Sup	1.5	0.3	142	14	RIOBLANCO (TOLIMA)
3223	Oct 11 2015	00:19:58.7	4.46	-76.13	Sup	2.0	0.5	161	26	ROLDANILLO (VALLE)
3224	Oct 11 2015	01:25:17.9	6.33	-73.22	140	1.4	0.4	154	14	CONFINES (SANTANDER)
3225	Oct 11 2015	02:15:14.0	6.59	-73.39	120	2.6	0.6	66	45	HATO (SANTANDER)
3226	Oct 11 2015	02:59:14.4	4.94	-76.36	90	2.5	0.5	93	51	SAN JOSE DEL PALMAR (CHOCO)
3227	Oct 11 2015	03:05: 7.2	6.79	-73.16	142	1.8	0.3	135	21	LOS SANTOS (SANTANDER)
3228	Oct 11 2015	03:15:53.4	6.66	-72.04	Sup	1.6	0.5	171	18	FORTUL (ARAUCA)
3229	Oct 11 2015	03:51:42.4	6.81	-73.11	147	2.3	0.4	72	40	LOS SANTOS (SANTANDER)
3230	Oct 11 2015	03:59:56.3	6.79	-73.13	140	2.2	0.5	139	31	LOS SANTOS (SANTANDER)
3231	Oct 11 2015	04:00:36.1	6.76	-73.13	137	1.9	0.2	140	9	LOS SANTOS (SANTANDER)
3232	Oct 11 2015	04:16:54.2	6.34	-73.56	108	1.2	0.3	111	14	SANTA HELENA DEL OPO (SANTANDER)
3233	Oct 11 2015	04:43:47.2	6.66	-73.91	Sup	1.1	0.4	196	10	PUERTO PARRA (SANTANDER)
3234	Oct 11 2015	04:45:10.6	5.41	-73.76	135	2.1	0.5	122	37	FUQUENE (CUNDINAMARCA)
3235	Oct 11 2015	04:55:47.0	2.44	-75.57	27	1.1	0.2	205	8	GIGANTE (HUILA)
3236	Oct 11 2015	05:07:45.2	6.78	-73.12	140	1.6	0.4	140	20	LOS SANTOS (SANTANDER)
3237	Oct 11 2015	05:13: 0.4	3.49	-76.44	130	2.2	0.5	162	33	YUMBO (VALLE)
3238	Oct 11 2015	05:35: 2.5	6.78	-73.12	142	1.7	0.4	140	23	LOS SANTOS (SANTANDER)
3239	Oct 11 2015	05:56:56.4	6.80	-73.09	150	1.4	0.5	205	18	LOS SANTOS (SANTANDER)
3240	Oct 11 2015	06:08: 5.4	5.47	-72.71	Sup	1.6	0.6	155	18	LABRANZAGRANDE (BOYACA)
3241	Oct 11 2015	06:17:47.8	6.90	-76.69	Sup	1.8	0.5	187	18	MURINDO (ANTIOQUIA)
3242	Oct 11 2015	06:23: 1.1	7.13	-73.34	Sup	1.7	0.4	91	24	LEBRIJA (SANTANDER)
3243	Oct 11 2015	07:03: 7.3	3.83	-71.40	Sup	2.5	0.6	263	20	PUERTO GAITAN (META)
3244	Oct 11 2015	07:22:58.1	6.80	-73.18	128	1.5	0.4	131	20	ZAPATOCA (SANTANDER)
3245	Oct 11 2015	07:51: 6.3	7.03	-73.25	138	1.9	0.4	109	26	LEBRIJA (SANTANDER)
3246	Oct 11 2015	08:55:11.8	9.88	-72.93	Sup	2.2	0.5	148	18	FRONTERA CON VENEZUELA
3247	Oct 11 2015	10:15:12.5	6.78	-73.14	154	1.7	0.3	137	14	LOS SANTOS (SANTANDER)
3248	Oct 11 2015	10:20:13.8	7.14	-77.04	20	1.5	0.1	157	10	RIOSUCIO (CHOCO)
3249	Oct 11 2015	10:44:22.1	4.41	-76.71	22	1.3	0.5	207	8	SIPI (CHOCO)
3250	Oct 11 2015	10:47:12.7	6.81	-73.14	146	1.8	0.3	136	23	LOS SANTOS (SANTANDER)
3251	Oct 11 2015	11:02:45.9	6.32	-73.58	111	1.7	0.2	74	21	SANTA HELENA DEL OPO (SANTANDER)
3252	Oct 11 2015	11:06:18.2	6.79	-73.12	147	1.6	0.3	139	11	LOS SANTOS (SANTANDER)
3253	Oct 11 2015	11:06:36.0	5.02	-73.05	Sup	1.2	0.4	134	8	CAMPOHERMOSO (BOYACA)
3254	Oct 11 2015	11:18:55.3	6.80	-73.13	150	2.1	0.4	72	27	LOS SANTOS (SANTANDER)
3255	Oct 11 2015	11:23:12.5	6.77	-73.10	143	1.3	0.1	144	7	LOS SANTOS (SANTANDER)
3256	Oct 11 2015	12:33:51.9	6.81	-73.13	146	2.1	0.3	71	28	LOS SANTOS (SANTANDER)
3257	Oct 11 2015	12:39:42.3	6.77	-73.10	144	1.6	0.3	168	7	LOS SANTOS (SANTANDER)
3258	Oct 11 2015	12:57:56.9	6.78	-73.09	153	2.1	0.4	144	21	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3259	Oct 11 2015	13:14:39.7	6.81	-73.12	147	2.2	0.4	72	30	LOS SANTOS (SANTANDER)
3260	Oct 11 2015	13:27:31.5	4.51	-76.73	7	2.1	0.4	114	23	SIPI (CHOCO)
3261	Oct 11 2015	13:38: 4.4	6.78	-73.10	149	1.6	0.3	143	12	LOS SANTOS (SANTANDER)
3262	Oct 11 2015	14:03:15.9	6.39	-73.45	124	2.4	0.4	89	34	CHIMA (SANTANDER)
3263	Oct 11 2015	15:10:57.6	6.81	-73.12	149	1.6	0.3	138	15	LOS SANTOS (SANTANDER)
3264	Oct 11 2015	16:09:51.6	6.79	-73.12	145	1.8	0.4	140	23	LOS SANTOS (SANTANDER)
3265	Oct 11 2015	17:49:56.0	6.83	-73.35	126	1.7	0.4	149	9	SAN VICENTE DE CHUCURI (SANTANDER)
3266	Oct 11 2015	18:56:12.6	5.65	-72.83	Sup	2.2	0.5	156	24	MONGUI (BOYACA)
3267	Oct 11 2015	20:39:15.6	6.80	-73.11	152	1.9	0.5	140	16	LOS SANTOS (SANTANDER)
3268	Oct 11 2015	21:03:56.3	6.79	-73.12	148	2.2	0.3	139	28	LOS SANTOS (SANTANDER)
3269	Oct 11 2015	21:13:27.7	6.79	-73.11	146	2.3	0.4	141	26	LOS SANTOS (SANTANDER)
3270	Oct 11 2015	21:17: 8.8	6.79	-73.30	127	2.0	0.4	102	20	ZAPATOCA (SANTANDER)
3271	Oct 11 2015	21:46:48.9	7.44	-75.14	23	2.3	0.5	90	24	CACERES (ANTIOQUIA)
3272	Oct 12 2015	00:25:24.7	7.84	-72.55	Sup	2.3	0.6	119	20	LOS PATIOS (N.SANTANDER)
3273	Oct 12 2015	02:13:14.5	10.87	-73.46	39	2.5	0.3	129	14	PUEBLO BELLO (CESAR)
3274	Oct 12 2015	02:25:21.9	8.14	-74.27	21	2.2	0.4	124	23	MONTECRISTO (BOLIVAR)
3275	Oct 12 2015	02:28:46.5	6.01	-76.26	68	1.3	0.3	232	8	EL CARMEN (CHOCO)
3276	Oct 12 2015	03:10:17.4	5.31	-73.75	145	1.6	0.5	129	20	LENGUAZAUQUE (CUNDINAMARCA)
3277	Oct 12 2015	03:18:16.8	6.79	-73.14	141	3.5	0.5	54	0	LOS SANTOS (SANTANDER)
3278	Oct 12 2015	03:18:16.8	6.79	-73.14	141	3.5	0.5	54	67	LOS SANTOS (SANTANDER)
3279	Oct 12 2015	03:22:30.0	4.27	-75.28	Sup	1.4	0.4	178	10	ROVIRA (TOLIMA)
3280	Oct 12 2015	03:28: 9.7	5.11	-76.36	13	1.7	0.4	228	14	SAN JOSE DEL PALMAR (CHOCO)
<u>3281</u>	<u>Oct 12 2015</u>	<u>04:35:40.0</u>	<u>7.47</u>	<u>-77.56</u>	<u>Sup</u>	<u>4.5</u>	<u>0.7</u>	<u>47</u>	<u>0</u>	<u>JURADO (CHOCO)</u>
<u>3282</u>	<u>Oct 12 2015</u>	<u>04:35:40.0</u>	<u>7.47</u>	<u>-77.56</u>	<u>0</u>	<u>4.5</u>	<u>0.7</u>	<u>47</u>	<u>120</u>	<u>JURADO (CHOCO)</u>
3283	Oct 12 2015	04:51:28.1	7.46	-75.30	45	2.2	0.5	56	36	CACERES (ANTIOQUIA)
3284	Oct 12 2015	06:02:34.5	6.32	-73.57	96	1.5	0.4	111	13	SANTA HELENA DEL OPOON (SANTANDER)
3285	Oct 12 2015	06:23:16.9	6.76	-76.67	Sup	1.6	0.4	188	15	MURINDO (ANTIOQUIA)
3286	Oct 12 2015	06:48:41.0	6.79	-73.14	139	2.5	0.6	137	42	LOS SANTOS (SANTANDER)
3287	Oct 12 2015	07:33: 4.3	6.72	-73.51	108	2.7	0.4	47	54	EL CARMEN (SANTANDER)
3288	Oct 12 2015	07:59:35.7	5.37	-74.87	11	1.5	0.3	77	20	VICTORIA (CALDAS)
3289	Oct 12 2015	08:09:43.6	6.84	-76.74	13	1.3	0.6	270	8	MURINDO (ANTIOQUIA)
3290	Oct 12 2015	09:43:37.7	6.81	-73.13	146	2.9	0.4	120	48	LOS SANTOS (SANTANDER)
3291	Oct 12 2015	10:07:13.0	6.79	-73.09	144	1.4	0.3	143	12	LOS SANTOS (SANTANDER)
3292	Oct 12 2015	10:14: 2.1	10.28	-74.08	49	1.2	0.1	168	9	ALGARROBO (MAGDALENA)
3293	Oct 12 2015	10:20:59.2	3.64	-75.99	Sup	1.2	0.6	106	17	GINEBRA (VALLE)
3294	Oct 12 2015	10:21:45.3	7.45	-77.55	Sup	2.4	0.6	88	23	JURADO (CHOCO)
3295	Oct 12 2015	11:47: 7.8	4.50	-76.74	Sup	2.1	0.6	116	27	SIPI (CHOCO)
3296	Oct 12 2015	13:26:52.0	4.50	-76.26	105	1.5	0.3	222	9	EL DOVIO (VALLE)
3297	Oct 12 2015	13:44:31.3	6.84	-71.97	Sup	2.3	0.5	119	26	SARAVENA (ARAUCA)
3298	Oct 12 2015	13:58:39.4	6.91	-76.24	Sup	1.4	0.6	213	11	URAMITA (ANTIOQUIA)
3299	Oct 12 2015	14:13:44.4	6.79	-72.00	Sup	2.0	0.7	192	12	SARAVENA (ARAUCA)
3300	Oct 12 2015	14:35:26.3	6.81	-73.14	149	1.6	0.5	201	11	LOS SANTOS (SANTANDER)
3301	Oct 12 2015	14:38: 5.5	6.80	-73.15	139	1.6	0.4	135	11	LOS SANTOS (SANTANDER)
3302	Oct 12 2015	15:17:12.8	6.77	-73.12	140	1.9	0.1	140	12	LOS SANTOS (SANTANDER)
3303	Oct 12 2015	16:22:28.0	4.36	-75.66	Sup	0.8	0.3	146	7	CORDOBA (QUINDIO)
3304	Oct 12 2015	16:58:44.3	6.81	-73.11	147	1.9	0.4	139	16	LOS SANTOS (SANTANDER)
3305	Oct 12 2015	17:33:20.2	7.47	-73.19	129	2.0	0.5	115	11	EL PLAYON (SANTANDER)
3306	Oct 12 2015	19:33:25.6	1.74	-76.33	Sup	0.8	0.3	151	9	SAN AGUSTIN (HUILA)
3307	Oct 12 2015	19:49:39.9	6.52	-73.49	110	3.1	0.6	54	0	EL CARMEN (SANTANDER)
3308	Oct 12 2015	19:49:39.9	6.52	-73.49	110	3.1	0.6	54	55	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3309	Oct 12 2015	19:52: 4.6	6.82	-73.10	149	3.1	0.5	72	0	LOS SANTOS (SANTANDER)
3310	Oct 12 2015	19:52: 4.6	6.82	-73.10	149	3.1	0.5	72	57	LOS SANTOS (SANTANDER)
3311	Oct 12 2015	20:02:13.4	7.71	-75.19	16	1.9	0.5	182	11	CACERES (ANTIOQUIA)
3312	Oct 12 2015	20:26:27.5	4.67	-76.11	92	1.4	0.3	166	11	ARGELIA (VALLE)
3313	Oct 12 2015	21:08:56.8	7.26	-75.19	22	1.4	0.4	75	13	ANORI (ANTIOQUIA)
3314	Oct 12 2015	22:14:12.4	4.41	-76.62	97	1.4	0.3	270	9	SIPI (CHOCO)
3315	Oct 12 2015	23:10: 1.5	6.78	-73.11	143	1.7	0.3	142	22	LOS SANTOS (SANTANDER)
3316	Oct 12 2015	23:55:14.8	6.78	-73.10	147	1.2	0.3	143	9	LOS SANTOS (SANTANDER)
3317	Oct 12 2015	23:57: 8.4	6.78	-73.12	150	1.5	0.2	141	16	LOS SANTOS (SANTANDER)
3318	Oct 13 2015	00:02:48.2	6.78	-73.20	134	1.2	0.3	131	7	ZAPATOCA (SANTANDER)
3319	Oct 13 2015	00:22:37.2	6.79	-73.13	140	1.1	0.2	138	8	LOS SANTOS (SANTANDER)
3320	Oct 13 2015	00:32:37.2	6.52	-73.51	104	1.4	0.6	106	16	EL CARMEN (SANTANDER)
3321	Oct 13 2015	00:45:54.8	6.85	-73.17	143	1.8	0.4	68	21	ZAPATOCA (SANTANDER)
3322	Oct 13 2015	00:59:55.0	6.79	-73.11	143	1.3	0.1	142	8	LOS SANTOS (SANTANDER)
3323	Oct 13 2015	01:24:28.1	5.64	-74.86	Sup	1.0	0.6	133	10	NORCASIA (CALDAS)
3324	Oct 13 2015	01:29:44.3	6.82	-73.14	147	2.3	0.5	70	32	LOS SANTOS (SANTANDER)
3325	Oct 13 2015	01:34:32.9	5.82	-75.95	56	1.0	0.2	149	8	HISPANIA (ANTIOQUIA)
3326	Oct 13 2015	02:28: 0.8	11.27	-72.81	63	1.5	0.3	157	13	MANAURE BALCON CESAR (CESAR)
3327	Oct 13 2015	02:35:57.6	6.74	-73.09	144	1.1	0.2	146	6	JORDAN (SANTANDER)
3328	Oct 13 2015	03:03:44.5	4.74	-76.14	101	1.1	0.3	171	7	ARGELIA (VALLE)
3329	Oct 13 2015	03:15:33.1	7.46	-73.18	128	2.3	0.5	114	0	EL PLAYON (SANTANDER)
3330	Oct 13 2015	03:15:33.1	7.46	-73.18	128	2.3	0.5	114	38	EL PLAYON (SANTANDER)
3331	Oct 13 2015	03:21:23.0	6.77	-73.17	140	1.6	0.4	134	26	LOS SANTOS (SANTANDER)
3332	Oct 13 2015	04:18:32.1	6.72	-73.13	141	1.2	0.3	141	12	JORDAN (SANTANDER)
3333	Oct 13 2015	04:23:41.7	2.17	-76.15	Sup	1.2	0.5	92	18	LA ARGENTINA (HUILA)
3334	Oct 13 2015	05:24:28.7	6.77	-73.16	148	1.2	0.2	233	7	LOS SANTOS (SANTANDER)
3335	Oct 13 2015	05:40:41.6	4.09	-76.05	153	0.9	0.3	112	8	ANDALUCIA (VALLE)
3336	Oct 13 2015	07:00:52.7	6.75	-73.20	134	1.1	0.2	132	9	VILLANUEVA (SANTANDER)
3337	Oct 13 2015	07:04: 8.0	6.79	-73.13	142	1.3	0.2	139	9	LOS SANTOS (SANTANDER)
3338	Oct 13 2015	07:31:32.7	6.10	-73.64	114	0.9	0.1	161	8	CHIPATA (SANTANDER)
3339	Oct 13 2015	08:18:26.6	6.79	-73.08	145	2.0	0.5	144	24	LOS SANTOS (SANTANDER)
3340	Oct 13 2015	08:43:46.9	7.49	-73.19	128	1.6	0.3	127	10	EL PLAYON (SANTANDER)
3341	Oct 13 2015	09:04:29.9	6.83	-73.11	146	1.3	0.4	139	14	LOS SANTOS (SANTANDER)
3342	Oct 13 2015	09:36: 7.6	6.34	-73.42	123	1.1	0.2	165	9	CHIMA (SANTANDER)
3343	Oct 13 2015	10:37:58.3	5.60	-74.38	81	1.7	0.4	80	20	YACOPI (CUNDINAMARCA)
3344	Oct 13 2015	13:10:24.5	6.47	-73.32	128	2.1	0.4	108	28	SIMACOTA (SANTANDER)
3345	Oct 13 2015	15:43:48.0	6.11	-73.72	105	1.7	0.3	108	12	CHIPATA (SANTANDER)
3346	Oct 13 2015	16:00:40.9	6.77	-73.11	144	1.5	0.2	239	10	LOS SANTOS (SANTANDER)
3347	Oct 13 2015	16:26:43.3	6.71	-76.69	12	2.8	0.6	67	50	VIGIA DEL FUERTE (ANTIOQUIA)
3348	Oct 13 2015	16:31:52.1	6.25	-75.78	20	1.5	0.3	132	8	HELICONIA (ANTIOQUIA)
3349	Oct 13 2015	18:41:56.8	5.39	-75.98	Sup	1.8	0.5	158	18	MISTRATO (RISARALDA)
3350	Oct 13 2015	18:49:42.1	11.50	-72.29	Sup	2.4	0.2	185	8	MANAURE BALCON CESAR (CESAR)
3351	Oct 13 2015	19:42:22.6	6.81	-73.15	140	2.6	0.5	135	41	LOS SANTOS (SANTANDER)
3352	Oct 13 2015	20:03:36.2	7.20	-76.00	Sup	2.1	0.4	174	19	PEQUE (ANTIOQUIA)
3353	Oct 13 2015	21:10:40.3	11.25	-73.95	Sup	2.2	0.3	211	11	PUEBLO BELLO (CESAR)
3354	Oct 13 2015	21:41:28.3	5.66	-73.98	106	1.4	0.2	137	8	PAUNA (BOYACA)
3355	Oct 13 2015	22:42:10.1	6.87	-74.93	25	1.8	0.3	105	19	AMALFI (ANTIOQUIA)
3356	Oct 13 2015	23:37:13.9	5.74	-73.04	12	1.2	0.3	266	7	TIBASOSA (BOYACA)
3357	Oct 14 2015	00:14:32.5	6.77	-73.11	143	1.7	0.2	142	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3358	Oct 14 2015	01:23:41.6	6.79	-73.11	140	2.5	0.4	73	0	LOS SANTOS (SANTANDER)
3359	Oct 14 2015	01:23:41.6	6.79	-73.11	140	2.5	0.4	73	39	LOS SANTOS (SANTANDER)
3360	Oct 14 2015	02:05: 4.4	6.75	-73.05	130	1.3	0.3	150	7	LOS SANTOS (SANTANDER)
3361	Oct 14 2015	02:46: 4.2	6.31	-73.44	128	1.9	0.5	95	24	CONTRATACION (SANTANDER)
3362	Oct 14 2015	03:11: 1.7	6.83	-73.14	144	1.8	0.6	135	17	LOS SANTOS (SANTANDER)
3363	Oct 14 2015	03:12:25.5	6.81	-73.10	144	1.9	0.6	73	26	LOS SANTOS (SANTANDER)
3364	Oct 14 2015	03:22:11.3	6.01	-74.27	20	1.1	0.6	109	13	PUERTO BOYACA (BOYACA)
3365	Oct 14 2015	03:31:19.3	4.88	-76.32	100	0.9	0.3	197	8	SAN JOSE DEL PALMAR (CHOCO)
3366	Oct 14 2015	03:37:23.5	6.87	-73.30	120	2.4	0.6	51	0	BETULIA (SANTANDER)
3367	Oct 14 2015	03:37:23.5	6.87	-73.30	120	2.4	0.6	51	40	BETULIA (SANTANDER)
3368	Oct 14 2015	04:27:56.0	6.75	-73.13	137	1.5	0.4	140	10	LOS SANTOS (SANTANDER)
3369	Oct 14 2015	04:43:59.0	2.41	-75.60	11	1.6	0.5	85	15	GIGANTE (HUILA)
3370	Oct 14 2015	05:37:47.8	6.81	-73.12	142	2.8	0.6	71	0	LOS SANTOS (SANTANDER)
3371	Oct 14 2015	05:37:47.8	6.81	-73.12	142	2.8	0.6	71	55	LOS SANTOS (SANTANDER)
<u>3372</u>	<u>Oct 14 2015</u>	<u>07:47:19.4</u>	<u>7.74</u>	<u>-73.32</u>	<u>117</u>	<u>5.4</u>	<u>0.5</u>	<u>59</u>	<u>0</u>	<u>SAN ALBERTO (CESAR)</u>
<u>3373</u>	<u>Oct 14 2015</u>	<u>07:47:19.4</u>	<u>7.74</u>	<u>-73.32</u>	<u>117</u>	<u>5.4</u>	<u>0.5</u>	<u>59</u>	<u>128</u>	<u>SAN ALBERTO (CESAR)</u>
3374	Oct 14 2015	08:13:53.5	5.59	-73.85	126	1.5	0.4	104	16	CHIQINQUIRA (BOYACA)
3375	Oct 14 2015	08:50: 3.1	6.79	-73.09	146	2.1	0.5	144	30	LOS SANTOS (SANTANDER)
3376	Oct 14 2015	09:10:45.8	3.47	-76.23	140	1.3	0.4	139	10	PRADERA (VALLE)
3377	Oct 14 2015	09:22:43.0	6.76	-73.14	144	1.5	0.4	200	16	LOS SANTOS (SANTANDER)
3378	Oct 14 2015	10:19:20.5	6.79	-73.26	159	1.5	0.3	237	10	ZAPATOCA (SANTANDER)
3379	Oct 14 2015	10:43:36.6	6.77	-73.18	142	1.4	0.4	197	14	LOS SANTOS (SANTANDER)
3380	Oct 14 2015	12:07:54.1	6.83	-73.12	145	2.5	0.5	120	39	LOS SANTOS (SANTANDER)
3381	Oct 14 2015	12:27:39.1	6.77	-73.15	144	2.1	0.5	137	26	LOS SANTOS (SANTANDER)
3382	Oct 14 2015	12:59: 0.5	6.83	-73.15	139	2.6	0.4	134	38	LOS SANTOS (SANTANDER)
3383	Oct 14 2015	13:16:48.3	6.80	-73.10	151	2.2	0.4	142	21	LOS SANTOS (SANTANDER)
3384	Oct 14 2015	13:49: 4.6	6.80	-73.12	146	3.3	0.5	56	55	LOS SANTOS (SANTANDER)
3385	Oct 14 2015	15:27:31.8	7.54	-73.38	112	1.7	0.3	198	8	LA ESPERANZA (N.SANTANDER)
3386	Oct 14 2015	16:02: 5.4	3.98	-76.41	13	1.6	0.4	197	14	CALIMA (VALLE)
3387	Oct 14 2015	16:06:31.9	6.51	-73.67	104	2.4	0.4	68	30	SANTA HELENA DEL OPON (SANTANDER)
3388	Oct 14 2015	16:21:14.4	6.57	-73.49	106	2.0	0.2	148	10	EL CARMEN (SANTANDER)
3389	Oct 14 2015	16:31:43.5	6.82	-73.19	147	1.7	0.5	134	16	ZAPATOCA (SANTANDER)
3390	Oct 14 2015	16:51:55.1	6.82	-73.14	144	2.8	0.5	136	37	LOS SANTOS (SANTANDER)
3391	Oct 14 2015	20:58:48.4	5.94	-74.86	Sup	1.1	0.6	181	10	SAN LUIS (ANTIOQUIA)
3392	Oct 14 2015	22:24:46.2	6.78	-73.12	150	2.0	0.3	140	24	LOS SANTOS (SANTANDER)
3393	Oct 14 2015	22:27:34.0	6.76	-73.11	148	1.6	0.3	142	12	LOS SANTOS (SANTANDER)
3394	Oct 14 2015	23:41:36.1	6.79	-73.12	144	3.4	0.5	55	0	LOS SANTOS (SANTANDER)
3395	Oct 14 2015	23:41:36.1	6.79	-73.12	144	3.4	0.5	55	70	LOS SANTOS (SANTANDER)
3396	Oct 15 2015	01:36:22.8	6.81	-73.15	146	2.8	0.4	70	46	LOS SANTOS (SANTANDER)
3397	Oct 15 2015	01:37:45.7	6.78	-73.11	147	2.5	0.6	123	35	LOS SANTOS (SANTANDER)
3398	Oct 15 2015	01:57:14.5	6.90	-73.19	127	1.5	0.3	179	14	BETULIA (SANTANDER)
3399	Oct 15 2015	03:22:16.6	6.82	-72.97	145	1.4	0.4	200	10	CEPITA (SANTANDER)
3400	Oct 15 2015	03:43:52.4	6.75	-73.11	147	1.3	0.3	244	8	LOS SANTOS (SANTANDER)
3401	Oct 15 2015	04:00: 8.1	6.79	-73.13	144	1.5	0.4	138	22	LOS SANTOS (SANTANDER)
3402	Oct 15 2015	04:03: 0.3	6.80	-73.13	144	1.8	0.5	138	30	LOS SANTOS (SANTANDER)
3403	Oct 15 2015	04:42:55.4	6.78	-73.13	145	1.6	0.4	139	21	LOS SANTOS (SANTANDER)
3404	Oct 15 2015	05:06: 1.0	6.81	-73.14	137	1.4	0.4	135	16	LOS SANTOS (SANTANDER)
3405	Oct 15 2015	05:37: 4.7	6.80	-73.14	135	1.3	0.3	137	8	LOS SANTOS (SANTANDER)
3406	Oct 15 2015	06:26:33.7	6.31	-73.52	114	2.1	0.5	82	36	CONTRATACION (SANTANDER)
3407	Oct 15 2015	08:06: 0.5	6.91	-73.44	113	2.6	0.6	55	29	SAN VICENTE DE CHUCURI (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3408	Oct 15 2015	08:13: 1.2	6.76	-73.13	143	1.4	0.5	128	9	LOS SANTOS (SANTANDER)
3409	Oct 15 2015	09:28:25.3	6.81	-73.15	137	1.7	0.4	82	15	LOS SANTOS (SANTANDER)
3410	Oct 15 2015	10:58:52.1	6.81	-73.13	141	2.8	0.6	71	0	LOS SANTOS (SANTANDER)
3411	Oct 15 2015	10:58:52.1	6.81	-73.13	141	2.8	0.6	71	44	LOS SANTOS (SANTANDER)
3412	Oct 15 2015	11:03:55.5	7.61	-73.68	93	2.1	0.5	76	16	SAN PABLO (BOLIVAR)
3413	Oct 15 2015	11:37:26.7	6.77	-73.13	146	2.0	0.5	73	23	LOS SANTOS (SANTANDER)
3414	Oct 15 2015	12:12: 4.1	3.41	-74.78	53	2.5	0.5	86	29	COLOMBIA (HUILA)
3415	Oct 15 2015	12:32:37.5	7.44	-73.45	101	1.9	0.6	88	19	SABANA DE TORRES (SANTANDER)
3416	Oct 15 2015	12:52:26.6	7.14	-76.18	17	2.3	0.2	218	8	DABEIBA (ANTIOQUIA)
3417	Oct 15 2015	13:35: 9.8	6.33	-73.55	112	2.5	0.6	53	0	SANTA HELENA DEL OPOON (SANTANDER)
3418	Oct 15 2015	13:35: 9.8	6.33	-73.55	112	2.5	0.6	53	35	SANTA HELENA DEL OPOON (SANTANDER)
3419	Oct 15 2015	14:19:51.1	2.09	-78.62	49	2.3	0.5	237	20	FRANCISCO PIZARRO (NARINO)
3420	Oct 15 2015	14:31:36.1	6.85	-72.99	153	1.5	0.2	214	8	CEPITA (SANTANDER)
3421	Oct 15 2015	15:15:33.5	6.78	-73.12	147	2.3	0.4	140	21	LOS SANTOS (SANTANDER)
3422	Oct 15 2015	15:40:42.8	6.81	-73.15	143	2.1	0.6	135	20	LOS SANTOS (SANTANDER)
3423	Oct 15 2015	16:08:30.7	6.79	-73.13	141	2.4	0.6	72	29	LOS SANTOS (SANTANDER)
3424	Oct 15 2015	17:50: 1.6	6.82	-73.13	139	1.7	0.4	137	12	LOS SANTOS (SANTANDER)
3425	Oct 15 2015	18:03:31.7	6.15	-76.96	32	1.9	0.3	150	11	MEDIO ATRATO (CHOCO)
3426	Oct 15 2015	18:10:20.6	6.79	-73.12	137	1.6	0.5	139	10	LOS SANTOS (SANTANDER)
3427	Oct 15 2015	20:44:21.5	7.72	-73.31	106	1.5	0.3	208	8	SAN ALBERTO (CESAR)
3428	Oct 15 2015	20:51: 1.5	8.52	-72.92	149	2.4	0.3	88	31	EL TARRA (N.SANTANDER)
3429	Oct 15 2015	20:54:48.0	6.78	-73.10	153	1.8	0.3	143	16	LOS SANTOS (SANTANDER)
3430	Oct 15 2015	21:17:23.7	8.25	-74.61	20	1.6	0.2	100	10	SAN JACINTO DEL CAUCA (BOLIVAR)
3431	Oct 15 2015	21:23:43.8	11.22	-74.53	13	1.6	0.2	251	8	MAR CARIBE
3432	Oct 15 2015	22:01:29.0	5.06	-73.36	Sup	1.3	0.2	146	7	GARAGOA (BOYACA)
3433	Oct 15 2015	22:43: 9.5	6.79	-73.14	151	2.6	0.3	72	41	LOS SANTOS (SANTANDER)
3434	Oct 15 2015	23:41:53.3	3.84	-76.19	118	1.2	0.3	114	8	BUGA (VALLE)
3435	Oct 16 2015	00:50:22.6	5.54	-76.24	38	2.3	0.5	95	0	BAGADO (CHOCO)
3436	Oct 16 2015	00:50:22.6	5.54	-76.24	38	2.3	0.5	95	20	BAGADO (CHOCO)
3437	Oct 16 2015	01:13:26.0	5.57	-76.27	46	1.3	0.4	274	10	BAGADO (CHOCO)
3438	Oct 16 2015	02:04: 5.4	1.99	-75.93	Sup	1.1	0.4	126	13	TIMANA (HUILA)
3439	Oct 16 2015	02:07:48.6	6.82	-73.13	144	1.6	0.4	77	9	LOS SANTOS (SANTANDER)
3440	Oct 16 2015	02:38:45.8	5.58	-76.28	49	1.0	0.3	275	8	BAGADO (CHOCO)
3441	Oct 16 2015	02:52:56.0	6.79	-73.08	148	1.5	0.2	243	9	LOS SANTOS (SANTANDER)
3442	Oct 16 2015	03:10:36.2	6.75	-73.13	137	1.7	0.4	96	15	LOS SANTOS (SANTANDER)
3443	Oct 16 2015	04:39:43.7	6.91	-76.70	16	1.1	0.5	268	9	MURINDO (ANTIOQUIA)
3444	Oct 16 2015	06:20:10.1	6.78	-73.11	148	1.6	0.4	164	9	LOS SANTOS (SANTANDER)
3445	Oct 16 2015	07:01:40.9	6.18	-73.65	108	2.3	0.5	64	0	LA PAZ (SANTANDER)
3446	Oct 16 2015	07:01:40.9	6.18	-73.65	108	2.3	0.5	64	38	LA PAZ (SANTANDER)
3447	Oct 16 2015	07:26:19.8	2.31	-75.61	13	1.4	0.3	123	10	GIGANTE (HUILA)
3448	Oct 16 2015	07:44:28.6	6.80	-73.15	142	2.9	0.5	71	0	LOS SANTOS (SANTANDER)
3449	Oct 16 2015	07:44:28.6	6.80	-73.15	142	2.9	0.5	71	52	LOS SANTOS (SANTANDER)
3450	Oct 16 2015	08:42:31.9	7.56	-78.15	Sup	2.6	0.7	124	38	FRONTERA CON PANAMA
3451	Oct 16 2015	09:50: 6.3	6.80	-73.11	139	1.7	0.4	113	20	LOS SANTOS (SANTANDER)
3452	Oct 16 2015	10:49:11.3	8.27	-77.03	32	2.8	0.5	90	38	MAR CARIBE
3453	Oct 16 2015	11:30:41.8	7.26	-73.72	93	1.8	0.3	118	18	PUERTO WILCHES (SANTANDER)
3454	Oct 16 2015	13:28:53.6	5.76	-76.85	Sup	2.5	0.5	97	32	QUIBDO (CHOCO)
3455	Oct 16 2015	13:30:52.4	5.71	-76.86	Sup	2.3	0.5	150	20	QUIBDO (CHOCO)
3456	Oct 16 2015	13:41:25.9	6.78	-73.11	142	2.1	0.4	142	22	LOS SANTOS (SANTANDER)
3457	Oct 16 2015	15:20:55.4	6.81	-73.14	141	1.8	0.4	135	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3458	Oct 16 2015	16:53:19.6	6.60	-72.85	Sup	1.4	0.4	186	9	MOLAGAVITA (SANTANDER)
3459	Oct 16 2015	16:55:23.1	5.45	-73.76	138	2.2	0.5	120	33	SUSA (CUNDINAMARCA)
3460	Oct 16 2015	17:12:14.3	7.31	-75.24	22	2.7	0.4	74	34	VALDIVIA (ANTIOQUIA)
3461	Oct 16 2015	18:43:47.7	11.19	-73.48	47	1.7	0.1	163	8	PUEBLO BELLO (CESAR)
3462	Oct 16 2015	19:49:45.6	6.81	-73.13	146	2.1	0.5	137	26	LOS SANTOS (SANTANDER)
3463	Oct 16 2015	20:13: 7.2	6.79	-73.11	144	2.2	0.4	141	20	LOS SANTOS (SANTANDER)
3464	Oct 16 2015	20:36:23.0	6.78	-73.13	143	1.9	0.5	139	20	LOS SANTOS (SANTANDER)
3465	Oct 16 2015	21:51: 9.7	4.73	-76.50	80	1.9	0.3	216	12	SIPI (CHOCO)
3466	Oct 16 2015	21:54:42.8	6.80	-73.10	147	1.9	0.4	142	15	LOS SANTOS (SANTANDER)
3467	Oct 16 2015	23:35:16.2	6.78	-73.11	144	1.9	0.4	141	17	LOS SANTOS (SANTANDER)
3468	Oct 17 2015	00:00:20.7	3.38	-76.12	158	1.9	0.2	160	10	PRADERA (VALLE)
3469	Oct 17 2015	00:58:11.2	6.84	-73.13	140	1.8	0.4	203	21	LOS SANTOS (SANTANDER)
3470	Oct 17 2015	01:24:29.7	6.77	-73.13	146	2.6	0.5	66	46	LOS SANTOS (SANTANDER)
3471	Oct 17 2015	01:55:39.1	5.92	-73.10	Sup	1.8	0.5	81	26	DUITAMA (BOYACA)
3472	Oct 17 2015	02:40:45.1	5.29	-73.74	149	1.5	0.3	132	13	LENGUAZAUQUE (CUNDINAMARCA)
3473	Oct 17 2015	03:11:49.9	7.46	-73.20	124	1.4	0.2	212	9	EL PLAYON (SANTANDER)
3474	Oct 17 2015	03:13:28.3	6.80	-73.11	149	1.8	0.4	186	21	LOS SANTOS (SANTANDER)
3475	Oct 17 2015	03:20:47.3	6.80	-73.12	149	2.8	0.5	55	56	LOS SANTOS (SANTANDER)
3476	Oct 17 2015	03:39:14.3	6.82	-73.16	146	1.7	0.4	200	22	LOS SANTOS (SANTANDER)
3477	Oct 17 2015	03:42:55.0	6.74	-73.21	152	1.3	0.4	189	14	VILLANUEVA (SANTANDER)
3478	Oct 17 2015	04:08:42.6	3.79	-71.37	Sup	2.6	0.6	258	26	PUERTO GAITAN (META)
3479	Oct 17 2015	04:17:57.4	3.39	-74.72	10	2.3	0.5	62	42	COLOMBIA (HUILA)
3480	Oct 17 2015	05:53:45.1	6.82	-73.14	150	3.9	0.6	56	0	LOS SANTOS (SANTANDER)
<u>3481</u>	<u>Oct 17 2015</u>	<u>05:53:45.1</u>	<u>6.82</u>	<u>-73.14</u>	<u>150</u>	<u>3.9</u>	<u>0.6</u>	<u>56</u>	<u>93</u>	<u>LOS SANTOS (SANTANDER)</u>
3482	Oct 17 2015	08:37:11.2	5.28	-73.72	146	1.4	0.4	134	12	LENGUAZAUQUE (CUNDINAMARCA)
3483	Oct 17 2015	08:48:58.9	10.82	-73.72	47	1.5	0.3	119	12	PUEBLO BELLO (CESAR)
3484	Oct 17 2015	08:52:36.7	6.80	-73.12	142	1.4	0.4	140	18	LOS SANTOS (SANTANDER)
3485	Oct 17 2015	09:22: 2.8	6.80	-73.13	145	2.0	0.5	138	34	LOS SANTOS (SANTANDER)
3486	Oct 17 2015	09:48:49.8	6.78	-73.15	145	1.5	0.4	136	18	LOS SANTOS (SANTANDER)
3487	Oct 17 2015	10:42:17.7	6.83	-73.15	142	2.0	0.5	70	32	LOS SANTOS (SANTANDER)
3488	Oct 17 2015	11:50:29.1	6.79	-73.28	138	1.7	0.5	175	7	ZAPATOCA (SANTANDER)
3489	Oct 17 2015	12:04:46.9	6.80	-73.13	143	1.9	0.5	137	20	LOS SANTOS (SANTANDER)
3490	Oct 17 2015	12:13:39.4	4.03	-76.68	45	1.6	0.5	251	10	CALIMA (VALLE)
3491	Oct 17 2015	12:26:11.0	6.77	-76.33	Sup	1.7	0.5	226	13	URAMITA (ANTIOQUIA)
3492	Oct 17 2015	14:23:59.1	4.82	-76.31	97	2.0	0.3	194	13	EL CAIRO (VALLE)
3493	Oct 17 2015	14:55:51.4	4.21	-75.99	143	2.1	0.3	124	15	SEVILLA (VALLE)
3494	Oct 17 2015	15:59:11.1	4.62	-76.66	Sup	2.0	0.5	217	17	SIPI (CHOCO)
3495	Oct 17 2015	16:40: 7.5	11.10	-72.33	Sup	1.6	0.6	187	10	FRONTERA CON VENEZUELA
3496	Oct 17 2015	16:58: 3.2	11.19	-72.39	Sup	2.2	0.4	177	14	MANAURE BALCON CESAR (CESAR)
3497	Oct 17 2015	17:26:11.1	8.57	-73.63	91	1.7	0.3	186	8	PELAYA (CESAR)
3498	Oct 17 2015	19:40: 8.8	6.81	-73.12	144	1.6	0.4	139	12	LOS SANTOS (SANTANDER)
3499	Oct 17 2015	19:41:37.3	8.73	-74.66	31	2.1	0.3	107	12	SUCRE (SUCRE)
3500	Oct 17 2015	19:51:13.1	6.82	-73.12	142	3.1	0.6	71	0	LOS SANTOS (SANTANDER)
3501	Oct 17 2015	19:51:13.1	6.82	-73.12	142	3.1	0.6	71	49	LOS SANTOS (SANTANDER)
3502	Oct 17 2015	20:11:19.0	4.40	-76.23	93	1.7	0.4	174	20	BOLIVAR (VALLE)
3503	Oct 17 2015	20:33:45.5	6.80	-73.11	144	1.9	0.4	140	20	LOS SANTOS (SANTANDER)
3504	Oct 17 2015	21:09: 7.9	6.07	-73.52	Sup	1.2	0.4	133	11	SANTANA (BOYACA)
3505	Oct 17 2015	21:13:41.1	6.98	-76.62	Sup	2.0	0.5	127	20	MURINDO (ANTIOQUIA)
3506	Oct 17 2015	21:15: 8.5	6.81	-73.08	147	2.9	0.4	143	26	LOS SANTOS (SANTANDER)
3507	Oct 17 2015	21:19:18.2	5.00	-73.24	Sup	2.0	0.6	113	26	MACANAL (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3508	Oct 17 2015	21:21:40.4	5.02	-73.26	Sup	1.7	0.7	112	19	MACANAL (BOYACA)
3509	Oct 17 2015	21:35:26.6	3.70	-76.14	17	1.6	0.4	119	13	GINEBRA (VALLE)
3510	Oct 17 2015	21:35:50.7	3.69	-76.15	15	1.2	0.2	121	7	GINEBRA (VALLE)
3511	Oct 17 2015	23:14: 9.1	6.79	-73.09	144	1.7	0.3	143	19	LOS SANTOS (SANTANDER)
3512	Oct 18 2015	00:57:55.6	3.60	-71.46	Sup	1.8	0.2	318	9	PUERTO GAITAN (META)
3513	Oct 18 2015	02:02:43.4	6.69	-73.03	136	1.4	0.3	157	12	ARATOCA (SANTANDER)
3514	Oct 18 2015	02:18:56.3	5.38	-75.94	Sup	2.1	0.6	155	26	MISTRATO (RISARALDA)
3515	Oct 18 2015	03:18:27.4	4.55	-76.00	17	1.5	0.6	148	16	OBANDO (VALLE)
3516	Oct 18 2015	04:14:58.2	6.84	-73.13	145	2.6	0.4	56	50	LOS SANTOS (SANTANDER)
3517	Oct 18 2015	04:35:21.6	9.97	-73.09	130	1.7	0.5	82	16	AGUSTIN CODAZZI (CESAR)
3518	Oct 18 2015	04:41:53.7	6.82	-73.11	145	2.5	0.5	139	42	LOS SANTOS (SANTANDER)
3519	Oct 18 2015	07:57:38.3	7.27	-78.10	13	2.3	0.7	137	24	JURADO (CHOCO)
3520	Oct 18 2015	08:28:30.2	5.51	-73.97	114	1.5	0.4	129	14	BUENAVIDA (BOYACA)
3521	Oct 18 2015	08:49:25.7	4.88	-77.98	60	1.6	0.4	273	14	O. PACIFICO CENTRO
3522	Oct 18 2015	08:51: 0.5	5.25	-73.75	143	1.6	0.5	76	24	CUCUNUBA (CUNDINAMARCA)
3523	Oct 18 2015	09:39:20.5	6.84	-73.10	139	1.5	0.5	204	17	LOS SANTOS (SANTANDER)
3524	Oct 18 2015	10:03:38.5	6.91	-73.24	123	1.7	0.4	192	7	BETULIA (SANTANDER)
3525	Oct 18 2015	10:43: 5.5	5.28	-73.74	142	1.7	0.4	131	12	CUCUNUBA (CUNDINAMARCA)
3526	Oct 18 2015	11:15:16.7	6.79	-73.13	137	2.1	0.5	185	18	LOS SANTOS (SANTANDER)
3527	Oct 18 2015	12:27:34.0	6.79	-73.12	150	1.9	0.4	73	13	LOS SANTOS (SANTANDER)
3528	Oct 18 2015	12:35: 8.1	3.70	-76.90	100	3.1	0.5	141	0	DAGUA (VALLE)
3529	Oct 18 2015	12:35: 8.1	3.70	-76.90	100	3.1	0.5	141	54	DAGUA (VALLE)
3530	Oct 18 2015	13:19: 4.3	4.70	-76.16	88	1.9	0.2	173	12	ARGELIA (VALLE)
3531	Oct 18 2015	14:26:27.3	6.82	-73.15	144	1.6	0.5	134	11	LOS SANTOS (SANTANDER)
3532	Oct 18 2015	16:12:26.3	11.51	-72.69	37	2.1	0.2	225	7	MANAURE BALCON CESAR (CESAR)
3533	Oct 18 2015	16:24:23.3	10.84	-73.82	32	2.0	0.4	116	16	PUEBLO BELLO (CESAR)
3534	Oct 18 2015	16:45:29.7	9.79	-72.58	11	2.6	0.5	269	10	FRONTERA CON VENEZUELA
3535	Oct 18 2015	17:07:47.4	6.83	-73.14	144	2.0	0.5	135	12	LOS SANTOS (SANTANDER)
3536	Oct 18 2015	17:36: 8.1	2.41	-75.59	7	1.7	0.4	125	14	GIGANTE (HUILA)
3537	Oct 18 2015	17:43:25.4	7.10	-75.63	Sup	1.4	0.3	110	6	BRICENO (ANTIOQUIA)
3538	Oct 18 2015	19:01:35.6	5.80	-73.08	Sup	1.3	0.6	195	9	PAIPA (BOYACA)
3539	Oct 18 2015	19:35: 5.8	6.78	-73.10	144	1.9	0.2	143	8	LOS SANTOS (SANTANDER)
3540	Oct 18 2015	20:58:43.5	7.72	-74.03	Sup	2.2	0.5	56	24	SANTA ROSA DEL SUR (BOLIVAR)
3541	Oct 18 2015	21:16:14.6	6.79	-73.12	152	2.1	0.4	72	32	LOS SANTOS (SANTANDER)
3542	Oct 18 2015	21:40:41.0	5.93	-73.07	Sup	1.2	0.5	182	8	SANTA ROSA DE VITERBO (BOYACA)
3543	Oct 18 2015	21:49:59.6	4.52	-73.58	Sup	1.8	0.6	92	13	SAN JUANITO (META)
3544	Oct 18 2015	23:08:45.2	6.79	-73.12	152	1.3	0.3	140	8	LOS SANTOS (SANTANDER)
3545	Oct 18 2015	23:40:35.0	4.26	-72.80	Sup	1.6	0.3	164	12	CABUYARO (META)
3546	Oct 18 2015	23:53:39.6	4.30	-75.18	Sup	1.4	0.4	111	15	ROVIRA (TOLIMA)
3547	Oct 18 2015	23:59: 8.4	6.78	-73.15	154	1.6	0.2	136	10	LOS SANTOS (SANTANDER)
3548	Oct 19 2015	03:06:36.1	6.81	-73.14	153	1.7	0.4	137	15	LOS SANTOS (SANTANDER)
3549	Oct 19 2015	03:23:59.8	6.81	-73.14	148	1.3	0.4	135	12	LOS SANTOS (SANTANDER)
3550	Oct 19 2015	04:37:25.3	6.79	-73.15	145	1.8	0.4	136	19	LOS SANTOS (SANTANDER)
3551	Oct 19 2015	05:22:33.9	7.35	-75.20	19	1.0	0.4	221	8	CACERES (ANTIOQUIA)
3552	Oct 19 2015	05:35:48.5	6.80	-73.06	140	1.4	0.5	146	14	LOS SANTOS (SANTANDER)
3553	Oct 19 2015	06:47:23.8	3.71	-77.03	Sup	1.8	0.5	221	19	BUENAVENTURA (VALLE)
3554	Oct 19 2015	09:04:27.0	6.25	-73.56	113	1.5	0.3	78	20	EL GUACAMAYO (SANTANDER)
3555	Oct 19 2015	09:44:32.4	7.54	-73.99	71	2.8	0.4	55	0	SAN PABLO (BOLIVAR)
3556	Oct 19 2015	09:44:32.4	7.54	-73.99	71	2.8	0.4	55	39	SAN PABLO (BOLIVAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3557	Oct 19 2015	11:03:57.3	6.83	-73.12	153	3.0	0.5	71	48	LOS SANTOS (SANTANDER)
3558	Oct 19 2015	11:58:27.6	4.50	-75.97	120	1.7	0.4	185	10	LA VICTORIA (VALLE)
3559	Oct 19 2015	12:39:55.7	3.69	-76.97	Sup	1.6	0.2	247	12	BUENAVENTURA (VALLE)
3560	Oct 19 2015	14:19:26.2	3.56	-76.22	131	1.4	0.3	149	8	PALMIRA (VALLE)
3561	Oct 19 2015	14:44:11.4	2.33	-75.62	Sup	1.5	0.4	83	14	GIGANTE (HUILA)
3562	Oct 19 2015	15:23: 0.0	8.07	-73.30	118	2.3	0.4	147	14	ABREGO (N.SANTANDER)
3563	Oct 19 2015	17:55:52.3	4.67	-76.10	83	1.5	0.2	215	10	ARGELIA (VALLE)
3564	Oct 19 2015	18:30:54.8	6.74	-73.12	140	1.6	0.2	142	14	LOS SANTOS (SANTANDER)
3565	Oct 19 2015	19:11:56.5	6.81	-73.17	141	2.3	0.3	132	28	LOS SANTOS (SANTANDER)
3566	Oct 19 2015	20:21: 0.8	6.84	-73.12	145	2.0	0.4	137	23	LOS SANTOS (SANTANDER)
3567	Oct 19 2015	20:57:59.4	11.27	-72.40	Sup	2.0	0.4	170	11	MANAURE BALCON CESAR (CESAR)
3568	Oct 19 2015	22:04: 7.9	6.78	-73.14	141	1.7	0.4	137	19	LOS SANTOS (SANTANDER)
3569	Oct 19 2015	22:58:23.6	3.02	-74.64	Sup	1.2	0.5	125	9	URIBE (META)
3570	Oct 20 2015	00:20: 6.2	6.78	-73.13	144	1.7	0.3	139	10	LOS SANTOS (SANTANDER)
3571	Oct 20 2015	00:35: 8.2	6.94	-76.31	15	1.7	0.4	215	10	DABEIBA (ANTIOQUIA)
3572	Oct 20 2015	01:09: 6.1	6.90	-76.57	Sup	1.7	0.3	259	12	MURINDO (ANTIOQUIA)
3573	Oct 20 2015	02:12:16.9	1.75	-76.32	Sup	1.3	0.2	219	10	SAN AGUSTIN (HUILA)
3574	Oct 20 2015	02:22:41.9	6.79	-73.14	148	2.3	0.4	137	28	LOS SANTOS (SANTANDER)
3575	Oct 20 2015	02:44:18.6	6.81	-73.10	150	2.0	0.3	204	20	LOS SANTOS (SANTANDER)
3576	Oct 20 2015	03:02:43.3	3.79	-71.39	7	3.1	0.4	233	34	PUERTO GAITAN (META)
3577	Oct 20 2015	03:10:32.1	10.72	-73.75	52	1.7	0.3	107	12	PUEBLO BELLO (CESAR)
3578	Oct 20 2015	03:27: 9.9	6.80	-73.12	151	1.6	0.5	139	14	LOS SANTOS (SANTANDER)
3579	Oct 20 2015	03:58:16.3	6.80	-73.13	148	2.1	0.5	138	28	LOS SANTOS (SANTANDER)
3580	Oct 20 2015	04:04:36.5	6.81	-73.09	148	1.5	0.5	143	24	LOS SANTOS (SANTANDER)
3581	Oct 20 2015	05:12:46.7	3.03	-74.67	Sup	2.1	0.4	77	34	COLOMBIA (HUILA)
3582	Oct 20 2015	05:19:56.4	6.80	-73.11	145	1.7	0.4	141	17	LOS SANTOS (SANTANDER)
3583	Oct 20 2015	05:52:13.2	4.71	-74.58	Sup	1.7	0.2	238	9	QUIPILE (CUNDINAMARCA)
3584	Oct 20 2015	05:59: 3.3	6.81	-73.14	147	1.8	0.4	148	14	LOS SANTOS (SANTANDER)
3585	Oct 20 2015	09:55:12.8	6.86	-73.11	143	1.8	0.5	154	14	LOS SANTOS (SANTANDER)
3586	Oct 20 2015	10:54: 3.0	6.88	-73.10	142	1.6	0.3	222	8	PIEDRECUESTA (SANTANDER)
3587	Oct 20 2015	13:19:59.3	7.97	-74.48	28	1.8	0.3	110	12	NECHI (ANTIOQUIA)
3588	Oct 20 2015	15:05:41.4	4.68	-76.14	27	1.7	0.2	170	12	ARGELIA (VALLE)
3589	Oct 20 2015	15:28:11.6	3.48	-75.17	Sup	1.8	0.5	142	22	NATAGAIMA (TOLIMA)
3590	Oct 20 2015	16:48:45.3	6.56	-73.50	113	2.1	0.5	63	24	EL CARMEN (SANTANDER)
3591	Oct 20 2015	16:48:45.1	6.52	-73.53	114	2.1	0.4	108	22	EL CARMEN (SANTANDER)
3592	Oct 20 2015	16:55: 8.3	6.80	-73.12	147	2.4	0.4	121	30	LOS SANTOS (SANTANDER)
3593	Oct 20 2015	17:21: 2.5	5.26	-73.74	143	2.2	0.4	77	28	CUCUNUBA (CUNDINAMARCA)
3594	Oct 20 2015	17:31:25.2	6.80	-73.17	138	2.7	0.5	133	48	LOS SANTOS (SANTANDER)
3595	Oct 20 2015	20:39:54.0	5.63	-74.03	124	3.4	0.6	52	0	SAN PABLO DE BORBUR (BOYACA)
3596	Oct 20 2015	20:39:54.0	5.63	-74.03	124	3.4	0.6	52	80	SAN PABLO DE BORBUR (BOYACA)
3597	Oct 20 2015	21:43:20.2	6.80	-73.11	147	1.9	0.5	140	24	LOS SANTOS (SANTANDER)
<u>3598</u>	<u>Oct 21 2015</u>	<u>04:25:11.9</u>	<u>7.13</u>	<u>-76.28</u>	<u>Sup</u>	<u>2.8</u>	<u>0.6</u>	<u>110</u>	<u>48</u>	<u>DABEIBA (ANTIOQUIA)</u>
3599	Oct 21 2015	04:38:47.6	4.35	-77.82	63	2.2	0.2	232	16	O. PACIFICO CENTRO
3600	Oct 21 2015	04:45:44.1	6.80	-73.13	148	2.0	0.4	138	21	LOS SANTOS (SANTANDER)
3601	Oct 21 2015	04:53: 5.4	5.86	-72.45	Sup	1.4	0.5	214	11	PISVA (BOYACA)
3602	Oct 21 2015	05:09:37.8	6.77	-73.11	142	1.5	0.3	142	12	LOS SANTOS (SANTANDER)
3603	Oct 21 2015	06:17:46.1	9.76	-74.91	30	2.3	0.5	89	20	ZAMBRANO (BOLIVAR)
3604	Oct 21 2015	06:19:10.9	6.87	-73.28	124	3.0	0.5	54	60	BETULIA (SANTANDER)
3605	Oct 21 2015	06:55:39.2	6.81	-73.14	143	2.6	0.5	71	45	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3606	Oct 21 2015	07:02:32.5	6.79	-73.14	153	1.7	0.3	197	7	LOS SANTOS (SANTANDER)
3607	Oct 21 2015	07:16: 4.5	6.68	-73.60	106	1.6	0.5	102	14	EL CARMEN (SANTANDER)
3608	Oct 21 2015	07:38:20.4	6.80	-73.10	150	2.6	0.5	73	41	LOS SANTOS (SANTANDER)
3609	Oct 21 2015	07:41:47.1	6.79	-73.09	131	1.6	0.5	188	16	LOS SANTOS (SANTANDER)
3610	Oct 21 2015	07:53:19.3	3.57	-74.21	Sup	1.8	0.5	121	16	LEJANIAS (META)
3611	Oct 21 2015	08:37:24.4	7.32	-73.44	110	2.9	0.5	71	57	SABANA DE TORRES (SANTANDER)
3612	Oct 21 2015	09:00:49.9	6.80	-73.14	149	3.6	0.4	55	0	LOS SANTOS (SANTANDER)
3613	Oct 21 2015	09:00:49.9	6.80	-73.14	149	3.6	0.4	55	68	LOS SANTOS (SANTANDER)
3614	Oct 21 2015	09:24:10.3	8.50	-74.55	30	2.4	0.4	82	22	GUARANDA (SUCRE)
3615	Oct 21 2015	11:48:19.6	6.90	-73.22	120	2.1	0.2	176	8	BETULIA (SANTANDER)
3616	Oct 21 2015	12:12:44.5	3.27	-74.45	Sup	2.2	0.3	109	16	URIBE (META)
3617	Oct 21 2015	14:43:31.3	5.74	-76.60	25	1.5	0.4	251	11	QUIBDO (CHOCO)
3618	Oct 21 2015	15:42:13.4	1.30	-76.57	6	1.7	0.3	188	10	MOCOA (PUTUMAYO)
3619	Oct 21 2015	15:57:57.2	6.68	-73.11	134	1.5	0.3	233	8	JORDAN (SANTANDER)
3620	Oct 21 2015	16:45:10.9	6.78	-73.18	150	1.8	0.4	232	12	LOS SANTOS (SANTANDER)
3621	Oct 21 2015	17:48:25.6	6.81	-73.09	141	2.6	0.5	169	32	LOS SANTOS (SANTANDER)
3622	Oct 21 2015	18:20:40.3	7.03	-73.46	106	1.8	0.3	219	14	SAN VICENTE DE CHUCURI (SANTANDER)
3623	Oct 21 2015	19:16: 6.0	6.87	-73.29	127	2.0	0.4	160	14	BETULIA (SANTANDER)
3624	Oct 21 2015	21:32:45.6	6.80	-73.13	142	2.3	0.4	138	28	LOS SANTOS (SANTANDER)
3625	Oct 21 2015	22:03:33.1	6.85	-73.11	142	1.6	0.5	204	14	LOS SANTOS (SANTANDER)
3626	Oct 21 2015	22:05:45.5	6.80	-73.11	146	3.0	0.5	72	58	LOS SANTOS (SANTANDER)
3627	Oct 21 2015	23:24:55.3	6.83	-73.16	139	2.7	0.5	69	0	LOS SANTOS (SANTANDER)
3628	Oct 21 2015	23:24:55.3	6.83	-73.16	139	2.7	0.5	69	48	LOS SANTOS (SANTANDER)
3629	Oct 22 2015	00:29:25.0	6.81	-73.12	150	3.4	0.5	56	0	LOS SANTOS (SANTANDER)
3630	Oct 22 2015	00:29:25.0	6.81	-73.12	150	3.4	0.5	56	62	LOS SANTOS (SANTANDER)
3631	Oct 22 2015	02:01:50.9	6.81	-73.13	140	1.8	0.4	137	18	LOS SANTOS (SANTANDER)
3632	Oct 22 2015	02:20:12.8	6.80	-73.15	141	2.5	0.5	70	38	LOS SANTOS (SANTANDER)
3633	Oct 22 2015	02:35:38.0	6.78	-73.12	149	2.0	0.3	140	22	LOS SANTOS (SANTANDER)
3634	Oct 22 2015	02:59:32.2	6.79	-73.13	152	1.8	0.3	202	16	LOS SANTOS (SANTANDER)
3635	Oct 22 2015	03:34:18.1	6.86	-73.12	146	1.8	0.4	135	22	LOS SANTOS (SANTANDER)
3636	Oct 22 2015	03:35:52.2	7.18	-73.04	164	2.0	0.4	117	26	TONA (SANTANDER)
3637	Oct 22 2015	05:24: 4.6	6.76	-73.13	148	1.6	0.3	139	12	LOS SANTOS (SANTANDER)
3638	Oct 22 2015	05:35:47.6	6.33	-73.58	115	2.0	0.4	84	22	SANTA HELENA DEL OPO (SANTANDER)
3639	Oct 22 2015	05:54:37.5	6.78	-73.14	140	1.9	0.4	137	20	LOS SANTOS (SANTANDER)
3640	Oct 22 2015	06:40:19.7	4.61	-76.31	115	2.5	0.5	126	0	VERSALLES (VALLE)
3641	Oct 22 2015	06:40:19.7	4.61	-76.31	115	2.5	0.5	126	52	VERSALLES (VALLE)
3642	Oct 22 2015	06:48:55.7	7.00	-73.99	90	1.6	0.5	58	25	YONDO (ANTIOQUIA)
3643	Oct 22 2015	07:36:48.1	3.57	-74.36	Sup	1.6	0.4	121	8	URIBE (META)
3644	Oct 22 2015	08:00:36.8	7.26	-73.80	30	1.7	0.4	130	16	PUERTO WILCHES (SANTANDER)
3645	Oct 22 2015	08:08:10.4	6.82	-73.08	150	2.2	0.5	142	32	LOS SANTOS (SANTANDER)
3646	Oct 22 2015	08:34:42.8	6.82	-73.14	149	2.5	0.5	70	52	LOS SANTOS (SANTANDER)
3647	Oct 22 2015	09:04:57.0	5.55	-76.45	50	1.4	0.1	239	9	LORO (CHOCO)
3648	Oct 22 2015	09:22: 6.7	6.88	-73.27	127	1.5	0.3	110	15	BETULIA (SANTANDER)
3649	Oct 22 2015	09:33: 2.2	2.95	-74.73	Sup	1.2	0.4	161	9	BARAYA (HUILA)
3650	Oct 22 2015	09:43:55.6	6.83	-73.05	149	1.8	0.4	209	26	LOS SANTOS (SANTANDER)
3651	Oct 22 2015	10:07: 7.7	9.14	-77.47	92	2.4	0.4	153	18	CARIBE (FRONTERA CON PANAMA)
3652	Oct 22 2015	12:36:18.3	6.77	-73.13	149	1.8	0.4	218	12	LOS SANTOS (SANTANDER)
3653	Oct 22 2015	13:03:49.1	3.68	-74.18	Sup	2.5	0.4	119	40	LEJANIAS (META)
3654	Oct 22 2015	14:54:13.1	8.71	-74.04	Sup	2.4	0.5	103	23	ALTOS DEL ROSARIO (BOLIVAR)
3655	Oct 22 2015	16:21:34.1	6.27	-74.10	32	1.5	0.4	120	10	CIMITARRA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3656	Oct 22 2015	16:45:42.8	6.56	-73.49	112	1.9	0.3	149	13	EL CARMEN (SANTANDER)
3657	Oct 22 2015	17:09:34.9	6.78	-73.13	146	1.9	0.5	139	18	LOS SANTOS (SANTANDER)
3658	Oct 22 2015	20:48: 5.3	9.97	-75.02	31	2.3	0.4	150	16	SAN JUAN NEPOMUCENO (BOLIVAR)
3659	Oct 22 2015	21:11:28.7	11.30	-74.55	15	2.0	0.4	256	8	MAR CARIBE
3660	Oct 22 2015	21:23:36.4	3.79	-76.35	18	1.9	0.5	170	14	GUACARI (VALLE)
3661	Oct 22 2015	21:25:30.4	5.76	-74.44	19	2.9	0.6	41	51	PUERTO TRIUNFO (ANTIOQUIA)
3662	Oct 22 2015	23:44:16.5	6.78	-73.11	143	1.9	0.4	141	24	LOS SANTOS (SANTANDER)
3663	Oct 22 2015	23:47:55.7	6.77	-73.14	149	1.6	0.5	138	18	LOS SANTOS (SANTANDER)
3664	Oct 23 2015	00:04:39.4	2.04	-76.17	Sup	1.6	0.2	190	11	ISNOS (HUILA)
3665	Oct 23 2015	01:23:10.6	8.25	-72.11	Sup	1.9	0.5	146	8	FRONTERA CON VENEZUELA
3666	Oct 23 2015	01:59: 4.7	5.24	-73.72	147	2.5	0.4	78	30	CUCUNUBA (CUNDINAMARCA)
3667	Oct 23 2015	02:17:43.3	4.45	-75.66	Sup	0.6	0.3	163	5	CORDOBA (QUINDIO)
3668	Oct 23 2015	04:21:21.0	6.82	-73.12	149	1.9	0.4	138	16	LOS SANTOS (SANTANDER)
3669	Oct 23 2015	05:14:27.4	6.70	-73.51	112	1.6	0.2	148	11	EL CARMEN (SANTANDER)
3670	Oct 23 2015	05:46:44.1	7.11	-76.21	Sup	2.2	0.6	196	25	DABEIBA (ANTIOQUIA)
3671	Oct 23 2015	06:03:52.9	6.80	-73.10	147	2.0	0.4	142	19	LOS SANTOS (SANTANDER)
3672	Oct 23 2015	06:58:48.1	7.37	-76.07	Sup	1.6	0.3	215	9	ITUANGO (ANTIOQUIA)
3673	Oct 23 2015	08:50:47.2	6.80	-73.12	147	1.9	0.4	139	17	LOS SANTOS (SANTANDER)
3674	Oct 23 2015	08:59:31.0	6.78	-73.11	146	1.7	0.4	141	16	LOS SANTOS (SANTANDER)
3675	Oct 23 2015	09:50: 8.5	6.81	-73.16	142	1.6	0.3	134	13	LOS SANTOS (SANTANDER)
3676	Oct 23 2015	10:58:34.2	6.80	-73.15	146	2.7	0.4	136	44	LOS SANTOS (SANTANDER)
3677	Oct 23 2015	11:05:54.7	6.81	-73.14	143	2.6	0.4	71	40	LOS SANTOS (SANTANDER)
3678	Oct 23 2015	13:17:15.5	10.91	-73.62	51	2.4	0.3	131	12	PUEBLO BELLO (CESAR)
3679	Oct 23 2015	13:17:50.6	8.89	-73.44	Sup	2.6	0.3	194	14	PAILITAS (CESAR)
3680	Oct 23 2015	14:45:41.3	6.81	-73.13	142	1.9	0.4	137	19	LOS SANTOS (SANTANDER)
3681	Oct 23 2015	14:56: 5.4	6.71	-76.65	17	1.9	0.3	264	10	VIGIA DEL FUERTE (ANTIOQUIA)
3682	Oct 23 2015	20:54:48.3	6.80	-73.12	144	2.7	0.4	120	42	LOS SANTOS (SANTANDER)
3683	Oct 23 2015	21:06:10.2	9.87	-72.99	Sup	2.5	0.5	145	20	AGUSTIN CODAZZI (CESAR)
3684	Oct 23 2015	23:50:14.6	7.46	-73.20	129	1.7	0.6	136	14	EL PLAYON (SANTANDER)
3685	Oct 24 2015	00:52: 2.6	6.29	-76.66	24	1.8	0.5	221	15	MEDIO ATRATO (CHOCO)
3686	Oct 24 2015	01:20: 1.4	6.88	-76.19	Sup	2.1	0.5	171	24	URAMITA (ANTIOQUIA)
3687	Oct 24 2015	02:06:33.5	6.79	-73.14	141	2.0	0.5	136	22	LOS SANTOS (SANTANDER)
3688	Oct 24 2015	02:34:13.9	7.36	-76.61	Sup	2.3	0.5	101	25	MUTATA (ANTIOQUIA)
3689	Oct 24 2015	03:25: 9.7	6.87	-76.23	Sup	1.0	0.6	203	8	URAMITA (ANTIOQUIA)
3690	Oct 24 2015	03:32: 3.8	6.89	-76.24	Sup	3.1	0.7	55	64	URAMITA (ANTIOQUIA)
3691	Oct 24 2015	03:38: 3.2	6.89	-76.21	Sup	2.6	0.4	193	22	URAMITA (ANTIOQUIA)
3692	Oct 24 2015	03:40:21.6	6.89	-76.27	Sup	1.5	0.2	223	7	URAMITA (ANTIOQUIA)
3693	Oct 24 2015	03:59: 6.6	6.88	-76.19	Sup	2.3	0.6	171	28	URAMITA (ANTIOQUIA)
3694	Oct 24 2015	04:01:30.2	6.88	-76.18	Sup	2.0	0.6	167	26	URAMITA (ANTIOQUIA)
3695	Oct 24 2015	04:05:23.5	6.88	-76.20	Sup	1.5	0.6	188	15	URAMITA (ANTIOQUIA)
3696	Oct 24 2015	04:08:44.8	6.89	-76.20	Sup	2.2	0.6	176	22	URAMITA (ANTIOQUIA)
3697	Oct 24 2015	04:08:44.8	6.89	-76.20	Sup	2.2	0.6	176	20	URAMITA (ANTIOQUIA)
3698	Oct 24 2015	04:10:59.1	6.88	-76.22	Sup	2.1	0.5	198	16	URAMITA (ANTIOQUIA)
3699	Oct 24 2015	04:12:47.5	6.88	-76.19	Sup	2.7	0.7	171	43	URAMITA (ANTIOQUIA)
3700	Oct 24 2015	04:15:11.3	6.87	-76.20	Sup	2.0	0.5	190	9	URAMITA (ANTIOQUIA)
3701	Oct 24 2015	04:17:36.2	6.88	-76.20	Sup	1.4	0.4	186	10	URAMITA (ANTIOQUIA)
3702	Oct 24 2015	04:31:32.0	5.75	-74.18	Sup	1.8	0.6	64	24	OTANCHE (BOYACA)
3703	Oct 24 2015	04:41:18.4	6.89	-76.22	Sup	2.1	0.6	200	26	URAMITA (ANTIOQUIA)
3704	Oct 24 2015	04:43:51.3	6.88	-76.22	Sup	1.8	0.5	200	11	URAMITA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3705	Oct 24 2015	04:49:15.0	6.89	-76.20	Sup	2.1	0.6	178	25	URAMITA (ANTIOQUIA)
3706	Oct 24 2015	05:29:2.0	6.89	-76.20	Sup	2.0	0.5	187	22	URAMITA (ANTIOQUIA)
3707	Oct 24 2015	05:29:44.6	6.87	-76.20	Sup	1.8	0.5	190	10	URAMITA (ANTIOQUIA)
3708	Oct 24 2015	06:50:24.7	5.67	-76.69	11	2.3	0.5	156	26	QUIBDO (CHOCO)
3709	Oct 24 2015	08:53:46.6	4.64	-77.70	23	2.1	0.6	217	19	O. PACIFICO CENTRO
3710	Oct 24 2015	09:11: 5.1	6.91	-76.16	Sup	1.5	0.6	165	14	URAMITA (ANTIOQUIA)
3711	Oct 24 2015	09:12:34.0	6.86	-76.21	Sup	1.8	0.6	192	16	URAMITA (ANTIOQUIA)
3712	Oct 24 2015	09:19:44.9	5.78	-76.56	28	1.5	0.6	203	15	QUIBDO (CHOCO)
3713	Oct 24 2015	09:39:27.1	6.89	-76.24	Sup	1.5	0.3	210	7	URAMITA (ANTIOQUIA)
3714	Oct 24 2015	11:00:31.9	6.91	-76.27	Sup	1.7	0.3	242	10	DABEIBA (ANTIOQUIA)
3715	Oct 24 2015	11:25:36.3	6.88	-76.23	Sup	1.6	0.3	204	11	URAMITA (ANTIOQUIA)
3716	Oct 24 2015	11:27:53.7	7.45	-76.18	Sup	1.5	0.3	264	9	MUTATA (ANTIOQUIA)
3717	Oct 24 2015	11:44:37.1	6.78	-73.10	142	2.1	0.5	143	24	LOS SANTOS (SANTANDER)
3718	Oct 24 2015	11:48: 9.0	9.51	-78.10	64	2.7	0.3	183	18	CARIBE (FRONTERA CON PANAMA)
3719	Oct 24 2015	13:57:14.7	6.80	-73.11	148	2.7	0.6	140	32	LOS SANTOS (SANTANDER)
3720	Oct 24 2015	18:31:49.9	6.74	-73.13	145	1.8	0.3	161	10	LOS SANTOS (SANTANDER)
3721	Oct 24 2015	18:32:50.0	7.64	-73.00	156	1.8	0.4	163	11	CACHIRA (N.SANTANDER)
3722	Oct 24 2015	19:18:43.9	7.03	-77.94	7	2.4	0.4	263	11	O. PACIFICO NORTE
3723	Oct 24 2015	19:55:30.7	6.76	-73.11	147	1.9	0.3	142	16	LOS SANTOS (SANTANDER)
3724	Oct 24 2015	20:29:46.6	6.79	-73.15	142	2.1	0.5	136	26	LOS SANTOS (SANTANDER)
3725	Oct 24 2015	20:34:58.9	5.25	-73.75	142	1.5	0.1	131	8	CUCUNUBA (CUNDINAMARCA)
3726	Oct 24 2015	22:52:19.6	6.75	-73.09	144	1.9	0.4	145	22	LOS SANTOS (SANTANDER)
3727	Oct 24 2015	23:01:19.1	6.87	-76.22	Sup	1.8	0.6	185	20	URAMITA (ANTIOQUIA)
3728	Oct 24 2015	23:27:51.5	6.82	-73.12	148	1.7	0.3	138	18	LOS SANTOS (SANTANDER)
3729	Oct 24 2015	23:54:39.5	6.80	-73.13	144	1.9	0.5	137	22	LOS SANTOS (SANTANDER)
3730	Oct 25 2015	00:00:30.4	6.80	-73.13	149	1.6	0.4	138	18	LOS SANTOS (SANTANDER)
3731	Oct 25 2015	00:57:44.1	4.78	-76.26	105	1.4	0.2	164	11	EL CAIRO (VALLE)
3732	Oct 25 2015	01:52:35.0	8.08	-73.51	93	1.5	0.3	170	12	SAN MARTIN (CESAR)
3733	Oct 25 2015	01:57:23.3	6.82	-73.12	144	1.7	0.4	138	24	LOS SANTOS (SANTANDER)
3734	Oct 25 2015	02:05:42.8	3.81	-71.50	Sup	2.2	0.5	228	14	PUERTO GAITAN (META)
3735	Oct 25 2015	03:48:57.6	6.72	-76.97	26	1.9	0.3	133	10	VIGIA DEL FUERTE (ANTIOQUIA)
3736	Oct 25 2015	04:49: 0.1	5.92	-73.65	120	1.8	0.4	126	28	BARBOSA (SANTANDER)
3737	Oct 25 2015	06:38:13.2	6.78	-73.14	153	1.6	0.5	137	16	LOS SANTOS (SANTANDER)
3738	Oct 25 2015	06:39:14.9	2.69	-74.98	10	2.0	0.5	128	20	RIVERA (HUILA)
3739	Oct 25 2015	07:06:52.1	6.76	-73.13	139	1.4	0.5	140	9	LOS SANTOS (SANTANDER)
3740	Oct 25 2015	08:13:32.7	4.58	-76.13	96	2.2	0.4	137	20	LA UNION (VALLE)
3741	Oct 25 2015	08:34:41.0	5.32	-73.76	144	1.8	0.4	181	10	UBATE (CUNDINAMARCA)
3742	Oct 25 2015	08:40:50.2	5.85	-73.47	125	1.5	0.5	201	12	TOGUI (BOYACA)
3743	Oct 25 2015	10:47:38.3	9.71	-75.06	39	2.3	0.3	116	22	EL CARMEN DE BOLIVAR (BOLIVAR)
3744	Oct 25 2015	10:54:24.4	2.27	-75.59	Sup	1.5	0.3	129	16	GARZON (HUILA)
3745	Oct 25 2015	11:00:44.4	6.80	-73.12	143	2.0	0.4	139	26	LOS SANTOS (SANTANDER)
3746	Oct 25 2015	11:43: 1.4	6.79	-73.15	148	1.8	0.4	136	22	LOS SANTOS (SANTANDER)
3747	Oct 25 2015	12:31:26.6	6.81	-72.03	Sup	1.3	0.4	189	10	CUBARA (BOYACA)
3748	Oct 25 2015	12:33:47.7	7.34	-75.60	34	1.8	0.3	129	10	ITUANGO (ANTIOQUIA)
3749	Oct 25 2015	13:04:12.7	6.82	-73.18	140	2.8	0.3	68	47	ZAPATOCA (SANTANDER)
3750	Oct 25 2015	13:11:31.1	6.80	-73.11	150	2.4	0.5	122	32	LOS SANTOS (SANTANDER)
3751	Oct 25 2015	14:25: 2.2	6.75	-73.10	145	1.3	0.1	144	8	LOS SANTOS (SANTANDER)
3752	Oct 25 2015	15:21:44.4	6.81	-73.14	145	2.4	0.4	135	36	LOS SANTOS (SANTANDER)
3753	Oct 25 2015	15:49:39.5	6.83	-73.15	139	2.2	0.4	133	36	LOS SANTOS (SANTANDER)
3754	Oct 25 2015	16:09: 1.5	6.79	-73.13	151	2.3	0.4	72	30	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3755	Oct 25 2015	16:49:39.4	5.09	-74.64	20	1.9	0.4	71	26	GUADUAS (CUNDINAMARCA)
3756	Oct 25 2015	17:15:15.2	5.26	-73.74	146	2.8	0.4	64	46	CUCUNUBA (CUNDINAMARCA)
3757	Oct 25 2015	18:05:53.8	6.86	-74.57	21	1.5	0.3	101	14	REMEDIOS (ANTIOQUIA)
3758	Oct 25 2015	22:41:27.7	6.80	-73.16	140	1.5	0.4	134	12	LOS SANTOS (SANTANDER)
3759	Oct 26 2015	00:10: 7.1	2.44	-75.51	18	1.6	0.5	90	10	GIGANTE (HUILA)
3760	Oct 26 2015	01:00:45.9	6.64	-73.33	118	1.4	0.5	180	7	GALAN (SANTANDER)
3761	Oct 26 2015	03:18:38.4	6.81	-73.12	143	2.5	0.5	72	38	LOS SANTOS (SANTANDER)
3762	Oct 26 2015	03:42:12.1	6.83	-73.12	144	1.3	0.3	137	8	LOS SANTOS (SANTANDER)
3763	Oct 26 2015	04:22: 1.5	4.11	-76.17	136	1.6	0.4	130	10	TULUA (VALLE)
3764	Oct 26 2015	08:34:28.0	6.31	-73.09	176	2.2	0.4	157	26	OCAMONTE (SANTANDER)
3765	Oct 26 2015	08:55:20.2	6.83	-74.18	21	1.4	0.4	106	14	PUERTO PARRA (SANTANDER)
3766	Oct 26 2015	09:37:16.6	4.44	-76.88	16	1.9	0.5	238	8	SIPI (CHOCO)
3767	Oct 26 2015	11:10:52.2	6.78	-73.09	151	1.8	0.5	144	19	LOS SANTOS (SANTANDER)
3768	Oct 26 2015	11:19:20.3	6.79	-73.10	153	1.6	0.4	160	15	LOS SANTOS (SANTANDER)
3769	Oct 26 2015	14:05:10.5	6.80	-73.12	151	1.9	0.4	139	18	LOS SANTOS (SANTANDER)
3770	Oct 26 2015	15:01:25.0	6.78	-73.11	151	2.3	0.4	68	25	LOS SANTOS (SANTANDER)
3771	Oct 26 2015	15:25:16.0	6.79	-73.10	145	2.3	0.5	142	29	LOS SANTOS (SANTANDER)
3772	Oct 26 2015	15:37:15.6	6.80	-73.11	152	3.4	0.6	56	0	LOS SANTOS (SANTANDER)
3773	Oct 26 2015	15:37:15.6	6.80	-73.11	152	3.4	0.6	56	67	LOS SANTOS (SANTANDER)
3774	Oct 26 2015	16:14: 3.6	8.25	-74.58	21	1.7	0.1	161	7	MONTECRISTO (BOLIVAR)
3775	Oct 26 2015	18:08: 7.7	6.73	-73.12	140	1.8	0.3	161	11	LOS SANTOS (SANTANDER)
3776	Oct 26 2015	22:29: 1.3	10.21	-73.57	101	1.5	0.2	195	9	PUEBLO BELLO (CESAR)
3777	Oct 26 2015	22:50: 1.3	4.77	-76.19	101	1.4	0.2	133	8	EL CAIRO (VALLE)
3778	Oct 26 2015	23:07:54.1	4.12	-76.09	150	2.3	0.4	105	30	ANDALUCIA (VALLE)
3779	Oct 26 2015	23:25:31.7	6.80	-73.14	146	1.7	0.3	137	17	LOS SANTOS (SANTANDER)
3780	Oct 27 2015	00:20:42.9	7.88	-75.23	21	1.7	0.3	110	10	CAUCASIA (ANTIOQUIA)
3781	Oct 27 2015	00:54:10.9	6.78	-73.13	141	1.7	0.3	138	18	LOS SANTOS (SANTANDER)
3782	Oct 27 2015	01:58:28.0	6.78	-73.13	148	1.9	0.4	138	22	LOS SANTOS (SANTANDER)
3783	Oct 27 2015	03:11:45.3	2.34	-77.05	Sup	1.1	0.5	211	10	PATIA (CAUCA)
3784	Oct 27 2015	03:43: 5.7	7.58	-77.72	10	2.0	0.4	229	11	JURADO (CHOCO)
3785	Oct 27 2015	04:03:13.5	5.29	-73.76	150	2.1	0.5	128	39	CUCUNUBA (CUNDINAMARCA)
3786	Oct 27 2015	04:57:25.4	7.12	-75.88	Sup	1.7	0.3	137	10	PEQUE (ANTIOQUIA)
3787	Oct 27 2015	05:38:18.6	6.72	-73.10	138	1.3	0.2	179	7	JORDAN (SANTANDER)
3788	Oct 27 2015	07:11:31.1	8.67	-73.98	68	1.8	0.5	135	18	REGIDOR (BOLIVAR)
3789	Oct 27 2015	07:25:24.8	7.68	-73.36	112	2.1	0.5	113	29	LA ESPERANZA (N.SANTANDER)
3790	Oct 27 2015	07:45: 5.7	7.06	-76.42	7	1.6	0.3	278	10	DABEIBA (ANTIOQUIA)
3791	Oct 27 2015	08:05:59.1	6.81	-73.12	146	3.0	0.5	72	54	LOS SANTOS (SANTANDER)
3792	Oct 27 2015	09:22:23.1	6.80	-73.13	147	1.4	0.3	137	12	LOS SANTOS (SANTANDER)
3793	Oct 27 2015	10:06:13.9	6.82	-73.12	151	2.7	0.4	120	51	LOS SANTOS (SANTANDER)
3794	Oct 27 2015	10:40: 9.1	2.48	-75.53	Sup	1.5	0.1	144	7	GIGANTE (HUILA)
3795	Oct 27 2015	10:46:47.6	6.62	-74.69	Sup	1.3	0.2	128	11	MACEO (ANTIOQUIA)
3796	Oct 27 2015	11:48: 7.8	6.82	-73.15	148	2.3	0.4	134	33	LOS SANTOS (SANTANDER)
3797	Oct 27 2015	11:57:34.7	7.08	-72.16	Sup	1.8	0.6	177	15	CUBARA (BOYACA)
3798	Oct 27 2015	12:19:33.3	5.70	-74.25	93	1.3	0.2	208	10	OTANCHE (BOYACA)
3799	Oct 27 2015	14:28: 9.8	6.84	-73.11	150	3.2	0.5	71	0	LOS SANTOS (SANTANDER)
3800	Oct 27 2015	14:28: 9.8	6.84	-73.11	150	3.2	0.5	71	58	LOS SANTOS (SANTANDER)
3801	Oct 27 2015	15:39:60.0	6.80	-73.11	151	2.9	0.5	56	50	LOS SANTOS (SANTANDER)
3802	Oct 27 2015	18:24:53.6	5.57	-74.34	85	2.1	0.4	85	21	YACOPI (CUNDINAMARCA)
3803	Oct 27 2015	18:49:53.5	3.76	-76.07	110	1.6	0.2	147	10	GINEBRA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3804	Oct 27 2015	19:02:23.2	6.83	-73.11	145	2.0	0.5	139	22	LOS SANTOS (SANTANDER)
3805	Oct 27 2015	20:27:47.4	6.75	-73.13	146	2.0	0.3	140	19	LOS SANTOS (SANTANDER)
3806	Oct 27 2015	20:38:12.2	6.81	-73.12	145	2.5	0.4	72	36	LOS SANTOS (SANTANDER)
3807	Oct 27 2015	21:11:42.5	4.24	-75.94	122	1.9	0.5	96	16	SEVILLA (VALLE)
3808	Oct 27 2015	23:36:45.6	6.69	-73.14	135	1.9	0.5	161	19	VILLANUEVA (SANTANDER)
3809	Oct 28 2015	00:44:54.9	4.34	-76.74	27	1.7	0.5	208	16	SIPI (CHOCO)
3810	Oct 28 2015	01:03: 2.6	6.84	-73.10	146	1.9	0.4	140	21	LOS SANTOS (SANTANDER)
3811	Oct 28 2015	01:10:44.1	6.75	-73.08	146	1.6	0.5	146	12	LOS SANTOS (SANTANDER)
3812	Oct 28 2015	01:46:36.3	4.03	-73.73	Sup	1.1	0.2	238	10	ACACIAS (META)
3813	Oct 28 2015	03:31:17.4	11.02	-73.61	22	1.7	0.4	144	12	PUEBLO BELLO (CESAR)
3814	Oct 28 2015	04:52:55.7	0.31	-77.46	Sup	2.5	0.4	252	18	FRONTERA CON ECUADOR
3815	Oct 28 2015	05:07:15.0	6.80	-73.11	149	2.5	0.4	140	39	LOS SANTOS (SANTANDER)
3816	Oct 28 2015	05:55:45.8	7.00	-73.10	148	1.7	0.5	129	19	PIEDECUESTA (SANTANDER)
3817	Oct 28 2015	06:36:13.6	6.82	-73.10	144	1.8	0.5	140	17	LOS SANTOS (SANTANDER)
3818	Oct 28 2015	06:42:17.4	6.75	-73.08	155	1.9	0.3	147	14	LOS SANTOS (SANTANDER)
3819	Oct 28 2015	07:08:48.9	6.82	-73.15	145	2.0	0.4	135	25	LOS SANTOS (SANTANDER)
3820	Oct 28 2015	07:12: 3.8	6.79	-73.10	146	1.4	0.4	188	15	LOS SANTOS (SANTANDER)
3821	Oct 28 2015	07:33:29.1	6.86	-73.08	136	1.4	0.4	207	10	LOS SANTOS (SANTANDER)
3822	Oct 28 2015	08:45:42.9	6.80	-73.14	144	3.2	0.5	71	0	LOS SANTOS (SANTANDER)
3823	Oct 28 2015	08:45:42.9	6.80	-73.14	144	3.2	0.5	71	59	LOS SANTOS (SANTANDER)
3824	Oct 28 2015	09:24:18.8	6.80	-74.64	Sup	1.3	0.5	138	12	VEGACHI (ANTIOQUIA)
3825	Oct 28 2015	09:51:37.6	6.80	-73.12	148	1.6	0.4	202	14	LOS SANTOS (SANTANDER)
3826	Oct 28 2015	09:56: 0.5	6.81	-73.10	142	1.4	0.5	204	10	LOS SANTOS (SANTANDER)
3827	Oct 28 2015	10:51:11.2	6.78	-73.12	144	2.0	0.4	140	27	LOS SANTOS (SANTANDER)
3828	Oct 28 2015	11:07:36.0	5.42	-73.79	144	2.0	0.6	119	25	FUQUENE (CUNDINAMARCA)
3829	Oct 28 2015	11:28: 2.8	6.13	-73.71	108	1.5	0.2	76	14	CHIPATA (SANTANDER)
3830	Oct 28 2015	15:24: 2.7	2.40	-75.44	Sup	2.0	0.5	129	12	GIGANTE (HUILA)
3831	Oct 28 2015	19:30:20.9	6.79	-73.13	148	2.3	0.4	154	22	LOS SANTOS (SANTANDER)
3832	Oct 28 2015	21:56:51.6	3.85	-77.31	Sup	1.7	0.5	247	12	O. PACIFICO SUR
3833	Oct 28 2015	22:29: 2.2	10.08	-74.68	27	2.5	0.4	135	22	ZAPAYAN (MAGDALENA)
3834	Oct 28 2015	22:49:45.9	7.50	-73.20	131	1.8	0.2	141	8	EL PLAYON (SANTANDER)
3835	Oct 28 2015	23:22: 5.3	7.27	-75.67	37	1.5	0.3	188	10	ITUANGO (ANTIOQUIA)
3836	Oct 28 2015	23:49:21.0	3.90	-77.34	15	1.6	0.3	250	8	O. PACIFICO SUR
3837	Oct 29 2015	00:09:44.3	6.79	-73.17	148	1.6	0.4	142	12	LOS SANTOS (SANTANDER)
3838	Oct 29 2015	00:34:23.2	6.80	-73.11	156	4.2	0.5	54	0	LOS SANTOS (SANTANDER)
<u>3839</u>	<u>Oct 29 2015</u>	<u>00:34:23.2</u>	<u>6.80</u>	<u>-73.11</u>	<u>156</u>	<u>4.2</u>	<u>0.5</u>	<u>54</u>	<u>92</u>	<u>LOS SANTOS (SANTANDER)</u>
3840	Oct 29 2015	00:59:17.2	4.96	-74.71	Sup	1.3	0.5	163	10	CHAGUANI (CUNDINAMARCA)
3841	Oct 29 2015	01:18:33.2	6.80	-73.14	146	1.7	0.4	201	15	LOS SANTOS (SANTANDER)
3842	Oct 29 2015	02:25:50.3	6.68	-74.65	32	1.2	0.4	125	9	VEGACHI (ANTIOQUIA)
3843	Oct 29 2015	02:35:24.2	6.61	-73.40	124	2.0	0.2	145	7	GALAN (SANTANDER)
3844	Oct 29 2015	02:35:34.2	6.55	-73.46	118	2.0	0.3	139	9	EL CARMEN (SANTANDER)
3845	Oct 29 2015	03:33:47.5	6.80	-73.12	144	1.9	0.5	139	26	LOS SANTOS (SANTANDER)
3846	Oct 29 2015	04:14: 2.2	6.16	-73.65	110	1.7	0.3	100	19	LA PAZ (SANTANDER)
3847	Oct 29 2015	04:31: 2.6	6.87	-73.28	126	1.8	0.4	108	18	BETULIA (SANTANDER)
3848	Oct 29 2015	04:53:53.3	3.01	-76.76	47	3.0	0.5	158	58	SUAREZ (CAUCA)
3849	Oct 29 2015	05:11: 3.5	6.81	-73.15	141	1.8	0.4	135	19	LOS SANTOS (SANTANDER)
3850	Oct 29 2015	06:10:22.8	3.86	-76.77	97	2.3	0.5	187	26	DAGUA (VALLE)
3851	Oct 29 2015	06:29:14.7	6.34	-73.58	109	1.4	0.4	153	10	SANTA HELENA DEL OPON (SANTANDER)
3852	Oct 29 2015	07:49:23.8	6.86	-73.29	124	1.5	0.5	158	12	BETULIA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3853	Oct 29 2015	08:00:29.3	8.10	-77.42	89	2.0	0.4	209	12	FRONTERA CON PANAMA
3854	Oct 29 2015	08:33:57.6	6.74	-73.43	112	1.3	0.3	140	10	EL CARMEN (SANTANDER)
3855	Oct 29 2015	08:56:39.8	6.78	-73.19	144	1.3	0.5	132	12	ZAPATOCA (SANTANDER)
3856	Oct 29 2015	10:38: 5.5	6.83	-73.11	140	1.9	0.5	155	20	LOS SANTOS (SANTANDER)
3857	Oct 29 2015	12:03: 9.0	6.79	-73.08	156	3.6	0.5	54	0	LOS SANTOS (SANTANDER)
3858	Oct 29 2015	12:03: 9.0	6.79	-73.08	156	3.6	0.5	54	77	LOS SANTOS (SANTANDER)
3859	Oct 29 2015	14:05: 2.2	6.81	-73.11	151	3.1	0.4	56	53	LOS SANTOS (SANTANDER)
3860	Oct 29 2015	15:35:43.2	2.53	-77.09	Sup	1.4	0.3	252	8	EL TAMBO (CAUCA)
3861	Oct 29 2015	17:27:15.2	9.93	-72.80	Sup	2.2	0.6	204	10	FRONTERA CON VENEZUELA
3862	Oct 29 2015	17:35:26.6	6.81	-73.13	150	2.7	0.4	71	40	LOS SANTOS (SANTANDER)
3863	Oct 29 2015	18:14:43.2	6.80	-73.13	149	2.7	0.3	71	33	LOS SANTOS (SANTANDER)
3864	Oct 29 2015	20:15:12.3	6.77	-73.15	141	1.9	0.4	137	15	LOS SANTOS (SANTANDER)
3865	Oct 29 2015	22:02:53.7	5.88	-74.87	Sup	1.7	0.5	137	16	SAN LUIS (ANTIOQUIA)
3866	Oct 29 2015	22:24: 6.9	6.87	-73.30	126	2.5	0.4	54	35	BETULIA (SANTANDER)
3867	Oct 29 2015	22:40:25.2	6.80	-73.14	153	4.3	0.5	53	0	LOS SANTOS (SANTANDER)
<u>3868</u>	<u>Oct 29 2015</u>	<u>22:40:25.2</u>	<u>6.80</u>	<u>-73.14</u>	<u>153</u>	<u>4.3</u>	<u>0.5</u>	<u>53</u>	<u>89</u>	<u>LOS SANTOS (SANTANDER)</u>
3869	Oct 29 2015	23:29: 1.5	6.72	-73.12	134	1.8	0.4	143	18	JORDAN (SANTANDER)
3870	Oct 30 2015	01:09:34.5	5.95	-73.75	108	1.5	0.4	150	10	BOLIVAR (SANTANDER)
3871	Oct 30 2015	01:52:58.3	5.88	-73.77	115	2.0	0.6	89	24	JESUS MARIA (SANTANDER)
3872	Oct 30 2015	02:09:48.2	6.79	-73.11	141	2.2	0.3	141	29	LOS SANTOS (SANTANDER)
3873	Oct 30 2015	03:04:40.5	6.81	-73.11	151	1.9	0.5	204	14	LOS SANTOS (SANTANDER)
3874	Oct 30 2015	05:53:10.9	6.81	-73.16	146	2.0	0.4	133	28	LOS SANTOS (SANTANDER)
3875	Oct 30 2015	07:41:13.5	6.77	-73.11	149	1.9	0.4	142	16	LOS SANTOS (SANTANDER)
3876	Oct 30 2015	07:42:29.2	4.96	-76.05	110	3.1	0.5	45	0	EL AGUILA (VALLE)
3877	Oct 30 2015	07:42:29.2	4.96	-76.05	110	3.1	0.5	45	71	EL AGUILA (VALLE)
3878	Oct 30 2015	07:50:47.5	4.92	-76.05	108	1.6	0.2	157	14	EL AGUILA (VALLE)
3879	Oct 30 2015	08:00:56.8	6.77	-73.10	146	1.8	0.4	168	12	LOS SANTOS (SANTANDER)
3880	Oct 30 2015	08:20:13.5	7.46	-73.18	130	1.5	0.3	138	10	EL PLAYON (SANTANDER)
3881	Oct 30 2015	09:10:18.8	7.05	-72.66	Sup	1.4	0.4	208	13	CHITAGA (N.SANTANDER)
3882	Oct 30 2015	09:13:22.5	6.77	-73.08	149	1.7	0.4	146	22	LOS SANTOS (SANTANDER)
3883	Oct 30 2015	10:30:28.0	5.33	-73.70	159	1.5	0.6	84	15	LENGUAZAQUE (CUNDINAMARCA)
3884	Oct 30 2015	15:36:21.0	6.81	-73.10	145	3.0	0.5	53	50	LOS SANTOS (SANTANDER)
3885	Oct 30 2015	19:08:54.0	6.79	-73.13	144	3.0	0.4	66	46	LOS SANTOS (SANTANDER)
3886	Oct 30 2015	20:46:20.8	6.31	-76.05	25	1.4	0.2	174	8	URRAO (ANTIOQUIA)
3887	Oct 30 2015	20:44:55.2	4.96	-76.38	83	1.6	0.3	258	12	SAN JOSE DEL PALMAR (CHOCO)
3888	Oct 30 2015	21:40:39.3	8.23	-74.45	26	1.9	0.3	149	8	MONTECRISTO (BOLIVAR)
3889	Oct 30 2015	23:10:41.2	10.23	-75.94	32	2.6	0.6	174	30	MAR CARIBE
3890	Oct 30 2015	23:54:54.0	11.16	-72.26	90	2.5	0.3	118	15	MANAURE BALCON CESAR (CESAR)
3891	Oct 31 2015	01:03: 5.5	6.82	-73.10	151	1.5	0.5	140	13	LOS SANTOS (SANTANDER)
3892	Oct 31 2015	02:25:44.6	6.82	-73.09	145	1.8	0.4	164	15	LOS SANTOS (SANTANDER)
3893	Oct 31 2015	02:41: 6.5	8.31	-74.12	26	2.5	0.6	74	31	ARENAL (BOLIVAR)
3894	Oct 31 2015	03:17:59.4	6.78	-73.12	142	1.6	0.5	139	21	LOS SANTOS (SANTANDER)
3895	Oct 31 2015	04:21:39.8	6.78	-73.12	150	1.7	0.4	140	22	LOS SANTOS (SANTANDER)
3896	Oct 31 2015	04:36:40.7	8.06	-73.43	106	1.5	0.4	102	14	SAN MARTIN (CESAR)
3897	Oct 31 2015	06:01:24.2	7.12	-75.59	Sup	2.0	0.5	106	35	BRICENO (ANTIOQUIA)
3898	Oct 31 2015	06:15: 9.4	6.81	-73.12	151	1.9	0.5	138	25	LOS SANTOS (SANTANDER)
3899	Oct 31 2015	07:28:38.0	6.80	-73.11	148	1.9	0.4	141	28	LOS SANTOS (SANTANDER)
3900	Oct 31 2015	08:12:43.0	6.79	-73.13	145	1.5	0.3	253	10	LOS SANTOS (SANTANDER)
3901	Oct 31 2015	08:28:33.3	6.80	-73.11	149	1.8	0.5	140	23	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3902	Oct 31 2015	08:39:56.1	6.77	-73.09	155	1.4	0.3	241	9	LOS SANTOS (SANTANDER)
3903	Oct 31 2015	12:26:44.0	2.49	-75.30	Sup	2.4	0.4	210	19	ALGECIRAS (HUILA)
3904	Oct 31 2015	12:58:17.8	3.80	-71.50	Sup	3.1	0.5	228	25	PUERTO GAITAN (META)
3905	Oct 31 2015	14:37:14.6	7.63	-75.03	22	2.1	0.6	68	17	ZARAGOZA (ANTIOQUIA)
3906	Oct 31 2015	15:44:55.9	4.04	-71.33	Sup	2.6	0.5	307	15	OROCUE (CASANARE)
3907	Oct 31 2015	17:16:56.0	6.79	-73.10	140	1.8	0.4	241	11	LOS SANTOS (SANTANDER)
3908	Oct 31 2015	17:18:42.9	6.82	-73.09	141	1.6	0.4	244	10	LOS SANTOS (SANTANDER)
3909	Oct 31 2015	18:34:10.6	6.79	-73.12	147	2.1	0.4	140	20	LOS SANTOS (SANTANDER)
3910	Oct 31 2015	18:47: 5.3	8.10	-74.30	23	2.1	0.3	106	13	MONTECRISTO (BOLIVAR)
3911	Oct 31 2015	19:45:35.1	6.77	-73.13	141	2.2	0.3	139	18	LOS SANTOS (SANTANDER)
3912	Oct 31 2015	19:53:33.2	6.81	-73.15	148	2.9	0.4	125	39	LOS SANTOS (SANTANDER)
3913	Nov 1 2015	01:05:16.9	6.49	-73.50	112	1.4	0.4	93	12	SIMACOTA (SANTANDER)
3914	Nov 1 2015	01:27:20.4	6.81	-73.14	147	2.4	0.4	71	34	LOS SANTOS (SANTANDER)
3915	Nov 1 2015	01:36:24.4	11.11	-73.73	7	2.7	0.5	155	17	PUEBLO BELLO (CESAR)
3916	Nov 1 2015	01:58:44.4	7.45	-73.19	127	1.7	0.4	112	11	EL PLAYON (SANTANDER)
3917	Nov 1 2015	02:26:50.8	6.77	-73.11	139	1.3	0.3	141	8	LOS SANTOS (SANTANDER)
3918	Nov 1 2015	02:27:28.1	6.78	-73.13	149	1.9	0.5	139	20	LOS SANTOS (SANTANDER)
3919	Nov 1 2015	04:47:46.9	8.51	-77.86	12	2.3	0.4	134	18	FRONTERA CON PANAMA
3920	Nov 1 2015	05:07:23.0	4.76	-74.63	Sup	1.2	0.1	156	8	SAN JUAN DE RIOSECO (CUNDINAMARCA)
3921	Nov 1 2015	07:24: 3.6	6.82	-73.15	142	2.8	0.4	70	48	LOS SANTOS (SANTANDER)
3922	Nov 1 2015	09:57:39.7	2.95	-74.75	9	2.1	0.3	93	12	BARAYA (HUILA)
3923	Nov 1 2015	10:54: 5.3	6.81	-73.15	148	1.7	0.3	135	19	LOS SANTOS (SANTANDER)
3924	Nov 1 2015	12:35:21.1	6.83	-73.11	147	2.1	0.5	139	22	LOS SANTOS (SANTANDER)
3925	Nov 1 2015	12:46: 4.9	6.83	-73.29	121	1.6	0.4	105	16	ZAPATOCA (SANTANDER)
3926	Nov 1 2015	13:25: 3.9	6.73	-73.10	146	1.5	0.3	144	10	JORDAN (SANTANDER)
3927	Nov 1 2015	13:29:13.8	6.46	-73.52	112	1.4	0.1	165	7	SANTA HELENA DEL OPON (SANTANDER)
3928	Nov 1 2015	14:08:31.6	6.86	-73.33	118	1.6	0.4	127	11	BETULIA (SANTANDER)
3929	Nov 1 2015	15:02:14.6	5.42	-76.45	Sup	1.5	0.1	249	8	BAGADO (CHOCO)
3930	Nov 1 2015	15:40:50.6	2.36	-76.02	Sup	1.7	0.3	140	10	LA PLATA (HUILA)
3931	Nov 1 2015	15:41:56.7	4.81	-77.80	31	2.0	0.5	264	14	O. PACIFICO CENTRO
3932	Nov 1 2015	16:41:26.9	8.36	-73.82	81	1.7	0.4	135	10	GAMARRA (CESAR)
3933	Nov 1 2015	17:26:11.6	3.84	-71.46	Sup	2.5	0.5	229	15	PUERTO GAITAN (META)
3934	Nov 1 2015	19:26:47.2	7.90	-77.82	Sup	2.1	0.6	125	12	FRONTERA CON PANAMA
3935	Nov 1 2015	21:59:52.4	6.78	-73.18	142	1.5	0.4	133	10	LOS SANTOS (SANTANDER)
3936	Nov 1 2015	23:42: 8.4	6.85	-73.14	139	1.6	0.4	134	12	LOS SANTOS (SANTANDER)
3937	Nov 1 2015	23:50:29.5	6.90	-76.18	Sup	1.4	0.4	194	10	URAMITA (ANTIOQUIA)
3938	Nov 2 2015	00:36:42.0	6.79	-73.12	144	2.0	0.4	73	29	LOS SANTOS (SANTANDER)
3939	Nov 2 2015	00:56:23.4	6.76	-73.09	141	1.7	0.4	145	18	LOS SANTOS (SANTANDER)
3940	Nov 2 2015	02:01:33.1	7.45	-73.20	133	2.3	0.5	110	24	EL PLAYON (SANTANDER)
3941	Nov 2 2015	02:57:51.5	6.80	-73.10	153	2.1	0.4	141	19	LOS SANTOS (SANTANDER)
3942	Nov 2 2015	03:51:54.3	6.79	-73.12	143	1.7	0.3	140	21	LOS SANTOS (SANTANDER)
3943	Nov 2 2015	04:18:33.3	5.70	-74.40	Sup	1.4	0.5	148	12	OTANCHE (BOYACA)
3944	Nov 2 2015	05:51:41.0	6.86	-72.98	134	1.3	0.4	230	7	CEPITA (SANTANDER)
3945	Nov 2 2015	06:38:31.6	7.09	-75.86	Sup	1.2	0.3	130	8	PEQUE (ANTIOQUIA)
3946	Nov 2 2015	06:57:56.9	7.93	-73.24	Sup	1.4	0.5	151	14	ABREGO (N.SANTANDER)
3947	Nov 2 2015	06:59:33.5	7.55	-73.42	123	1.5	0.4	98	14	LA ESPERANZA (N.SANTANDER)
3948	Nov 2 2015	07:57:13.7	5.71	-73.88	107	1.2	0.3	176	10	BRICENO (BOYACA)
3949	Nov 2 2015	09:41:41.0	2.64	-75.69	11	1.4	0.3	141	9	IQUIRA (HUILA)
3950	Nov 2 2015	09:46:42.4	6.84	-73.13	145	2.1	0.4	70	26	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3951	Nov 2 2015	09:50:36.2	6.01	-73.81	103	1.4	0.4	144	9	EL PENON (SANTANDER)
3952	Nov 2 2015	10:35:14.0	5.90	-72.40	Sup	2.1	0.6	122	24	PISVA (BOYACA)
3953	Nov 2 2015	10:58: 3.5	6.81	-73.12	149	2.8	0.5	66	44	LOS SANTOS (SANTANDER)
3954	Nov 2 2015	11:18:59.4	6.81	-73.08	143	1.6	0.5	144	14	LOS SANTOS (SANTANDER)
3955	Nov 2 2015	12:07:39.6	6.80	-73.13	154	1.5	0.5	138	10	LOS SANTOS (SANTANDER)
3956	Nov 2 2015	13:05:31.3	6.75	-73.12	140	1.5	0.2	141	8	LOS SANTOS (SANTANDER)
3957	Nov 2 2015	13:23:47.7	6.84	-73.09	140	1.8	0.5	141	19	LOS SANTOS (SANTANDER)
3958	Nov 2 2015	13:47:25.6	6.74	-73.09	148	1.9	0.4	146	15	LOS SANTOS (SANTANDER)
3959	Nov 2 2015	14:31:16.7	6.81	-73.10	150	3.6	0.5	73	48	LOS SANTOS (SANTANDER)
3960	Nov 2 2015	15:41:46.1	6.89	-73.30	120	2.6	0.5	104	37	BETULIA (SANTANDER)
3961	Nov 2 2015	16:16: 6.8	6.76	-73.05	142	1.8	0.4	150	14	LOS SANTOS (SANTANDER)
3962	Nov 2 2015	17:22:27.4	6.79	-73.13	147	2.5	0.4	138	31	LOS SANTOS (SANTANDER)
3963	Nov 2 2015	18:50: 2.8	6.94	-76.69	Sup	2.8	0.6	135	44	MURINDO (ANTIOQUIA)
3964	Nov 2 2015	20:38:32.3	6.79	-73.12	143	1.7	0.3	139	15	LOS SANTOS (SANTANDER)
3965	Nov 2 2015	20:45: 8.8	6.86	-75.90	8	2.3	0.4	106	26	SABANALARGA (ANTIOQUIA)
3966	Nov 2 2015	22:26: 5.4	5.26	-73.92	125	1.5	0.3	119	13	SUTATAUSA (CUNDINAMARCA)
3967	Nov 2 2015	22:35:36.8	6.79	-73.09	153	1.9	0.5	144	21	LOS SANTOS (SANTANDER)
3968	Nov 3 2015	00:52:48.6	6.81	-73.05	144	1.7	0.5	148	19	LOS SANTOS (SANTANDER)
3969	Nov 3 2015	01:28:47.4	5.35	-76.48	25	2.7	0.6	67	0	BAGADO (CHOCO)
3970	Nov 3 2015	01:28:47.4	5.35	-76.48	25	2.7	0.6	67	49	BAGADO (CHOCO)
3971	Nov 3 2015	01:31:40.0	5.30	-76.48	46	1.6	0.2	246	8	TADO (CHOCO)
3972	Nov 3 2015	02:39: 9.9	6.79	-73.10	149	1.8	0.3	142	23	LOS SANTOS (SANTANDER)
3973	Nov 3 2015	03:16:41.2	5.25	-73.70	148	2.3	0.4	79	36	LENGUAZAUQUE (CUNDINAMARCA)
3974	Nov 3 2015	04:01: 3.1	5.66	-74.32	24	1.5	0.5	58	28	OTANCHE (BOYACA)
3975	Nov 3 2015	04:02:20.6	6.04	-72.04	11	1.9	0.4	286	13	PAZ DE ARIPORO (CASANARE)
3976	Nov 3 2015	04:05:37.7	6.80	-73.12	150	1.7	0.4	139	19	LOS SANTOS (SANTANDER)
3977	Nov 3 2015	04:15:56.2	5.22	-73.91	141	2.3	0.5	69	44	TAUSA (CUNDINAMARCA)
3978	Nov 3 2015	04:33:57.8	6.80	-73.11	147	1.4	0.4	141	17	LOS SANTOS (SANTANDER)
3979	Nov 3 2015	04:42: 0.6	7.78	-74.27	47	1.5	0.2	128	16	SANTA ROSA DEL SUR (BOLIVAR)
3980	Nov 3 2015	04:45: 4.7	6.76	-73.05	137	0.6	0.3	150	8	LOS SANTOS (SANTANDER)
3981	Nov 3 2015	04:46:39.1	6.80	-73.10	148	1.7	0.4	141	21	LOS SANTOS (SANTANDER)
3982	Nov 3 2015	04:55:26.9	6.82	-73.06	140	1.4	0.4	146	16	LOS SANTOS (SANTANDER)
3983	Nov 3 2015	06:06:32.1	6.78	-73.11	144	1.9	0.5	142	26	LOS SANTOS (SANTANDER)
3984	Nov 3 2015	06:33:43.0	6.86	-73.03	144	1.4	0.3	252	9	LOS SANTOS (SANTANDER)
3985	Nov 3 2015	06:36: 5.4	5.02	-76.03	111	1.1	0.3	124	8	LA CELIA (RISARALDA)
3986	Nov 3 2015	06:53:41.0	5.10	-73.08	Sup	2.0	0.6	124	20	PAEZ (BOYACA)
3987	Nov 3 2015	07:16:52.7	6.84	-72.95	138	1.1	0.2	217	8	CEPITA (SANTANDER)
3988	Nov 3 2015	07:25: 2.4	6.04	-73.62	118	1.5	0.4	79	21	CHIPATA (SANTANDER)
3989	Nov 3 2015	09:02:17.2	4.31	-75.95	154	2.6	0.5	65	37	SEVILLA (VALLE)
3990	Nov 3 2015	09:22:35.8	4.54	-72.70	Sup	2.5	0.4	135	20	VILLANUEVA (CASANARE)
3991	Nov 3 2015	09:22:49.0	6.66	-73.45	105	1.8	0.1	163	8	EL CARMEN (SANTANDER)
3992	Nov 3 2015	10:28:14.7	4.11	-76.82	86	1.5	0.4	289	8	BUENAVENTURA (VALLE)
3993	Nov 3 2015	11:14:51.2	6.51	-73.48	116	1.6	0.4	72	15	SIMACOTA (SANTANDER)
3994	Nov 3 2015	12:04:48.2	6.79	-73.13	143	2.7	0.4	66	47	LOS SANTOS (SANTANDER)
3995	Nov 3 2015	12:26:43.2	6.87	-76.81	8	2.2	0.5	121	22	MURINDO (ANTIOQUIA)
3996	Nov 3 2015	12:42:10.4	5.57	-73.85	134	2.2	0.4	105	29	CALDAS (BOYACA)
3997	Nov 3 2015	13:24:11.7	5.34	-76.51	29	2.1	0.4	252	18	CERTEGUI (CHOCO)
3998	Nov 3 2015	14:10:24.9	4.97	-76.20	108	1.6	0.3	143	8	SAN JOSE DEL PALMAR (CHOCO)
3999	Nov 3 2015	18:56:57.8	6.83	-73.15	144	2.7	0.4	134	38	LOS SANTOS (SANTANDER)
4000	Nov 3 2015	19:39:19.8	5.31	-76.52	47	1.6	0.2	253	8	TADO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4001	Nov 3 2015	20:55: 5.7	6.96	-76.32	6	1.5	0.2	271	7	DABEIBA (ANTIOQUIA)
4002	Nov 3 2015	23:08:37.3	6.81	-73.15	143	2.6	0.5	70	46	LOS SANTOS (SANTANDER)
4003	Nov 4 2015	01:36: 1.6	6.78	-73.10	150	2.0	0.4	143	26	LOS SANTOS (SANTANDER)
4004	Nov 4 2015	02:20:39.7	6.81	-73.09	145	1.7	0.4	143	24	LOS SANTOS (SANTANDER)
4005	Nov 4 2015	04:12: 9.8	6.83	-73.13	142	1.9	0.4	136	26	LOS SANTOS (SANTANDER)
4006	Nov 4 2015	04:14: 5.5	4.53	-74.92	Sup	2.3	0.5	47	47	ALVARADO (TOLIMA)
4007	Nov 4 2015	05:59:53.0	6.89	-73.32	128	1.4	0.3	101	14	BETULIA (SANTANDER)
4008	Nov 4 2015	06:04: 9.9	6.81	-73.13	141	1.7	0.4	137	17	LOS SANTOS (SANTANDER)
4009	Nov 4 2015	06:18: 8.8	6.79	-73.11	148	2.5	0.5	68	38	LOS SANTOS (SANTANDER)
4010	Nov 4 2015	08:32:52.8	5.27	-73.66	150	1.9	0.5	138	14	LENGUAZAQUE (CUNDINAMARCA)
4011	Nov 4 2015	08:32:53.4	5.26	-73.72	142	1.7	0.2	331	8	CUCUNUBA (CUNDINAMARCA)
4012	Nov 4 2015	08:52:57.8	6.81	-73.10	148	1.7	0.3	159	19	LOS SANTOS (SANTANDER)
4013	Nov 4 2015	09:28:51.4	6.82	-73.10	143	1.5	0.4	140	15	LOS SANTOS (SANTANDER)
4014	Nov 4 2015	09:31: 2.7	4.60	-81.46	Sup	3.2	0.4	158	35	O. PACIFICO CENTRO
4015	Nov 4 2015	10:15:13.6	6.81	-73.14	146	1.4	0.3	136	12	LOS SANTOS (SANTANDER)
4016	Nov 4 2015	11:00: 6.2	6.76	-73.12	138	1.8	0.5	160	14	LOS SANTOS (SANTANDER)
4017	Nov 4 2015	11:48:54.1	1.69	-76.28	Sup	3.2	0.6	96	44	PALESTINA (HUILA)
4018	Nov 4 2015	12:13: 2.2	6.66	-73.64	103	1.6	0.3	160	10	EL CARMEN (SANTANDER)
4019	Nov 4 2015	13:04:53.3	5.84	-73.82	117	1.6	0.4	89	14	JESUS MARIA (SANTANDER)
4020	Nov 4 2015	13:15:53.2	6.78	-73.09	144	1.8	0.4	144	18	LOS SANTOS (SANTANDER)
4021	Nov 4 2015	15:01:33.6	2.47	-71.42	Sup	2.9	0.3	285	8	MAPIRIPAN (META)
4022	Nov 4 2015	16:55: 2.8	2.17	-78.38	90	2.6	0.4	221	13	OLAYA HERRERA (NARINO)
4023	Nov 4 2015	19:36:20.3	6.79	-73.12	148	1.9	0.3	139	20	LOS SANTOS (SANTANDER)
4024	Nov 4 2015	20:11: 5.8	6.80	-73.14	148	2.2	0.5	136	25	LOS SANTOS (SANTANDER)
4025	Nov 4 2015	21:36:15.7	4.43	-73.58	8	1.5	0.5	179	12	SAN JUANITO (META)
4026	Nov 4 2015	22:02: 2.4	5.85	-74.75	Sup	1.4	0.5	206	10	PUERTO TRIUNFO (ANTIOQUIA)
4027	Nov 5 2015	02:10:51.0	2.21	-75.56	15	1.7	0.5	157	15	GARZON (HUILA)
4028	Nov 5 2015	03:20:14.8	6.79	-73.12	147	2.0	0.4	139	28	LOS SANTOS (SANTANDER)
4029	Nov 5 2015	03:34:51.9	5.25	-73.73	146	2.2	0.4	78	32	CUCUNUBA (CUNDINAMARCA)
4030	Nov 5 2015	04:29:29.6	7.50	-73.04	154	1.3	0.3	136	10	SURATA (SANTANDER)
4031	Nov 5 2015	06:16: 3.3	7.91	-74.50	31	2.4	0.4	49	33	NECHI (ANTIOQUIA)
4032	Nov 5 2015	08:12: 8.7	7.17	-74.33	62	1.6	0.4	65	24	SEGOVIA (ANTIOQUIA)
4033	Nov 5 2015	08:28:55.1	6.90	-76.70	Sup	2.2	0.4	107	27	MURINDO (ANTIOQUIA)
4034	Nov 5 2015	10:24:35.0	5.93	-73.54	123	1.5	0.2	93	13	TOGUI (BOYACA)
4035	Nov 5 2015	11:09:58.7	3.84	-75.00	48	1.5	0.3	227	9	PURIFICACION (TOLIMA)
4036	Nov 5 2015	12:23:48.2	5.35	-76.53	41	1.9	0.3	234	15	CERTEGUI (CHOCO)
4037	Nov 5 2015	12:38:41.7	7.88	-74.59	26	1.7	0.5	80	13	NECHI (ANTIOQUIA)
4038	Nov 5 2015	13:27:15.9	7.60	-73.91	72	3.3	0.7	34	62	SAN PABLO (BOLIVAR)
4039	Nov 5 2015	15:46:58.1	6.81	-73.11	142	2.4	0.5	140	25	LOS SANTOS (SANTANDER)
4040	Nov 5 2015	16:48:52.0	6.77	-73.14	148	1.9	0.4	137	15	LOS SANTOS (SANTANDER)
4041	Nov 5 2015	17:01:34.2	7.09	-76.24	Sup	2.6	0.6	90	41	DABEIBA (ANTIOQUIA)
4042	Nov 5 2015	17:27:48.3	6.81	-73.12	141	1.8	0.4	138	19	LOS SANTOS (SANTANDER)
4043	Nov 5 2015	18:53:40.1	7.00	-73.24	147	2.1	0.5	113	22	GIRON (SANTANDER)
4044	Nov 5 2015	20:28:21.7	9.47	-72.97	Sup	2.1	0.4	149	11	FRONTERA CON VENEZUELA
4045	Nov 5 2015	22:43:53.9	4.68	-74.79	7	1.8	0.6	117	26	PULI (CUNDINAMARCA)
4046	Nov 5 2015	23:48:40.2	2.28	-75.64	Sup	1.9	0.4	139	10	GARZON (HUILA)
4047	Nov 6 2015	01:20:19.5	5.22	-74.53	17	1.3	0.5	103	14	UTICA (CUNDINAMARCA)
4048	Nov 6 2015	01:35:39.8	6.79	-73.10	148	3.2	0.4	73	0	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4049	Nov 6 2015	01:35:39.8	6.79	-73.10	148	3.2	0.4	73	53	LOS SANTOS (SANTANDER)
4050	Nov 6 2015	02:09:44.8	6.75	-73.05	149	2.1	0.3	129	28	JORDAN (SANTANDER)
4051	Nov 6 2015	03:05:36.4	3.95	-76.28	116	1.6	0.3	106	14	BUGA (VALLE)
4052	Nov 6 2015	06:43: 7.2	5.27	-73.68	149	2.0	0.4	112	26	LENGUAZAUQUE (CUNDINAMARCA)
4053	Nov 6 2015	07:26:43.9	3.84	-71.41	Sup	3.4	0.5	231	30	PUERTO GAITAN (META)
4054	Nov 6 2015	08:35: 6.3	6.80	-73.11	147	1.7	0.5	140	19	LOS SANTOS (SANTANDER)
4055	Nov 6 2015	09:06:16.3	7.12	-76.24	Sup	1.2	0.3	239	8	DABEIBA (ANTIOQUIA)
4056	Nov 6 2015	09:28:41.8	6.79	-72.93	154	1.5	0.5	219	11	CEPITA (SANTANDER)
4057	Nov 6 2015	09:37:27.0	6.82	-73.12	145	1.2	0.4	138	8	LOS SANTOS (SANTANDER)
4058	Nov 6 2015	10:06:51.3	6.89	-76.23	Sup	1.5	0.6	188	18	URAMITA (ANTIOQUIA)
4059	Nov 6 2015	10:11:40.5	6.88	-76.22	Sup	1.3	0.5	200	10	URAMITA (ANTIOQUIA)
4060	Nov 6 2015	10:46:29.0	5.31	-74.84	Sup	2.0	0.4	64	34	VICTORIA (CALDAS)
4061	Nov 6 2015	11:36:53.9	8.68	-77.49	74	2.0	0.4	140	15	MAR CARIBE (FRONTERA CON PANAMA)
4062	Nov 6 2015	12:10:24.1	3.81	-71.48	Sup	3.2	0.6	229	36	PUERTO GAITAN (META)
4063	Nov 6 2015	13:34:19.4	3.78	-71.42	Sup	2.2	0.4	263	11	PUERTO GAITAN (META)
4064	Nov 6 2015	13:59:42.6	3.78	-71.54	Sup	2.1	0.1	227	8	PUERTO GAITAN (META)
4065	Nov 6 2015	14:07: 9.3	3.81	-71.39	12	2.7	0.4	263	11	PUERTO GAITAN (META)
4066	Nov 6 2015	14:24:33.0	6.80	-73.12	150	3.4	0.5	54	0	LOS SANTOS (SANTANDER)
4067	Nov 6 2015	14:24:33.0	6.80	-73.12	150	3.4	0.5	54	61	LOS SANTOS (SANTANDER)
4068	Nov 6 2015	14:43:57.2	7.75	-74.57	56	1.4	0.3	202	7	EL BAGRE (ANTIOQUIA)
4069	Nov 6 2015	16:07:27.1	6.65	-74.47	Sup	2.1	0.5	89	25	PUERTO BERRIO (ANTIOQUIA)
4070	Nov 6 2015	20:48:10.5	6.92	-73.10	153	1.9	0.3	189	8	PIEDECUESTA (SANTANDER)
4071	Nov 6 2015	22:00:52.0	1.93	-75.95	15	1.8	0.1	226	8	TIMANA (HUILA)
4072	Nov 6 2015	22:57:20.9	6.81	-73.24	144	1.6	0.3	167	8	ZAPATOCA (SANTANDER)
4073	Nov 6 2015	23:01:16.6	6.74	-73.18	128	1.4	0.5	135	9	VILLANUEVA (SANTANDER)
4074	Nov 6 2015	23:18: 7.6	6.80	-73.14	146	2.0	0.4	137	18	LOS SANTOS (SANTANDER)
4075	Nov 6 2015	23:18: 7.8	6.80	-73.15	144	2.0	0.5	135	18	LOS SANTOS (SANTANDER)
4076	Nov 6 2015	23:19:34.2	6.55	-73.47	116	1.5	0.4	86	11	EL CARMEN (SANTANDER)
4077	Nov 7 2015	01:20:53.6	3.97	-71.46	Sup	2.3	0.4	240	12	PUERTO GAITAN (META)
4078	Nov 7 2015	03:13:34.0	7.11	-75.58	Sup	3.2	0.5	65	0	BRICENO (ANTIOQUIA)
4079	Nov 7 2015	03:13:34.0	7.11	-75.58	0	3.2	0.5	65	55	BRICENO (ANTIOQUIA)
4080	Nov 7 2015	03:30:10.7	6.77	-73.07	143	1.6	0.3	147	13	LOS SANTOS (SANTANDER)
4081	Nov 7 2015	04:03:47.7	6.58	-73.43	118	1.6	0.3	82	20	HATO (SANTANDER)
4082	Nov 7 2015	05:01:21.9	5.05	-76.37	81	1.2	0.4	206	8	SAN JOSE DEL PALMAR (CHOCO)
4083	Nov 7 2015	05:34:47.4	2.08	-75.74	16	2.6	0.4	185	14	ALTAMIRA (HUILA)
4084	Nov 7 2015	06:05:41.9	7.35	-73.45	99	1.5	0.5	87	18	SABANA DE TORRES (SANTANDER)
4085	Nov 7 2015	06:07:13.1	6.81	-73.12	149	2.1	0.4	138	26	LOS SANTOS (SANTANDER)
4086	Nov 7 2015	06:08:39.1	6.80	-73.10	152	1.6	0.3	162	13	LOS SANTOS (SANTANDER)
4087	Nov 7 2015	06:13:23.7	6.75	-73.05	139	2.1	0.5	129	34	LOS SANTOS (SANTANDER)
4088	Nov 7 2015	06:19:58.7	6.82	-73.16	144	1.7	0.5	133	22	LOS SANTOS (SANTANDER)
4089	Nov 7 2015	08:06:32.9	6.80	-73.13	144	1.9	0.3	138	12	LOS SANTOS (SANTANDER)
4090	Nov 7 2015	11:24:52.3	2.11	-75.76	Sup	1.8	0.5	182	9	ALTAMIRA (HUILA)
4091	Nov 7 2015	12:14:34.7	3.21	-74.88	Sup	3.3	0.6	65	45	COLOMBIA (HUILA)
4092	Nov 7 2015	12:21:16.5	8.62	-73.59	21	2.0	0.6	195	11	PELAYA (CESAR)
4093	Nov 7 2015	14:20:31.8	6.76	-73.15	151	1.7	0.4	136	12	LOS SANTOS (SANTANDER)
4094	Nov 7 2015	18:41:42.3	7.25	-74.67	50	2.3	0.4	82	22	SEGOVIA (ANTIOQUIA)
4095	Nov 7 2015	19:35:26.8	6.82	-73.14	144	2.7	0.4	70	33	LOS SANTOS (SANTANDER)
4096	Nov 7 2015	21:30:21.3	5.59	-74.11	110	2.6	0.5	90	32	MUZO (BOYACA)
4097	Nov 7 2015	21:44: 4.3	6.87	-73.12	142	1.8	0.5	150	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4098	Nov 8 2015	00:34: 3.9	4.39	-76.21	68	1.4	0.4	154	9	ROLDANILLO (VALLE)
4099	Nov 8 2015	01:07:22.5	8.19	-74.50	31	1.3	0.4	92	13	MONTECRISTO (BOLIVAR)
4100	Nov 8 2015	03:22: 3.6	3.85	-71.36	Sup	2.7	0.4	260	14	PUERTO GAITAN (META)
4101	Nov 8 2015	05:36:17.4	5.34	-76.58	32	1.5	0.3	238	10	CERTEGUI (CHOCO)
4102	Nov 8 2015	06:52:48.3	6.82	-73.13	137	1.7	0.4	137	17	LOS SANTOS (SANTANDER)
4103	Nov 8 2015	07:18:17.8	6.77	-73.09	143	1.1	0.4	144	9	LOS SANTOS (SANTANDER)
4104	Nov 8 2015	07:27:59.0	6.83	-73.16	144	2.9	0.5	69	59	LOS SANTOS (SANTANDER)
4105	Nov 8 2015	07:35:44.9	6.79	-73.13	147	3.3	0.4	55	0	LOS SANTOS (SANTANDER)
4106	Nov 8 2015	07:35:44.9	6.79	-73.13	147	3.3	0.4	55	62	LOS SANTOS (SANTANDER)
4107	Nov 8 2015	07:57: 0.1	4.99	-75.95	115	1.9	0.4	101	20	BALBOA (RISARALDA)
4108	Nov 8 2015	09:20: 3.3	5.04	-73.13	Sup	1.4	0.5	127	12	CAMPOHERMOSO (BOYACA)
4109	Nov 8 2015	09:26:25.9	6.78	-73.15	149	1.7	0.2	136	12	LOS SANTOS (SANTANDER)
4110	Nov 8 2015	09:30:35.9	7.42	-73.38	114	2.0	0.4	93	16	SABANA DE TORRES (SANTANDER)
4111	Nov 8 2015	09:47:28.8	2.26	-77.31	60	1.8	0.3	188	12	ARGELIA (CAUCA)
4112	Nov 8 2015	09:54:35.6	6.30	-75.82	76	1.9	0.4	129	13	ANZA (ANTIOQUIA)
4113	Nov 8 2015	10:16:30.2	6.81	-73.14	151	2.3	0.5	71	38	LOS SANTOS (SANTANDER)
4114	Nov 8 2015	11:11:30.8	7.48	-74.06	7	1.9	0.5	133	14	SAN PABLO (BOLIVAR)
4115	Nov 8 2015	11:25:17.2	3.04	-74.64	Sup	2.2	0.4	109	18	URIBE (META)
4116	Nov 8 2015	11:26:51.9	6.81	-73.13	151	1.9	0.5	153	11	LOS SANTOS (SANTANDER)
4117	Nov 8 2015	13:22: 8.3	6.80	-73.13	148	2.2	0.4	72	24	LOS SANTOS (SANTANDER)
4118	Nov 8 2015	13:27:33.8	4.38	-75.89	158	2.9	0.5	116	46	CAICEDONIA (VALLE)
4119	Nov 8 2015	15:55: 4.1	4.83	-76.33	95	1.9	0.4	100	16	EL CAIRO (VALLE)
4120	Nov 8 2015	18:29: 0.0	6.77	-73.10	148	1.5	0.2	143	9	LOS SANTOS (SANTANDER)
4121	Nov 8 2015	18:50: 8.9	7.44	-73.19	134	3.4	0.4	62	69	EL PLAYON (SANTANDER)
4122	Nov 8 2015	21:19: 3.4	3.78	-71.40	Sup	2.9	0.5	233	18	PUERTO GAITAN (META)
4123	Nov 8 2015	22:10: 1.3	6.78	-73.12	143	1.9	0.3	140	16	LOS SANTOS (SANTANDER)
4124	Nov 8 2015	22:17:54.4	6.76	-73.07	142	1.8	0.4	147	15	LOS SANTOS (SANTANDER)
4125	Nov 8 2015	22:38:50.2	6.82	-73.13	146	2.0	0.4	137	14	LOS SANTOS (SANTANDER)
4126	Nov 8 2015	23:28:16.9	5.40	-76.70	Sup	2.3	0.4	96	23	EL CANTON DEL SAN PABL (CHOCO)
4127	Nov 8 2015	23:38:53.5	6.82	-73.05	146	2.1	0.5	192	17	LOS SANTOS (SANTANDER)
4128	Nov 9 2015	00:05:53.7	8.36	-73.47	99	1.5	0.5	182	8	GONZALEZ (CESAR)
4129	Nov 9 2015	00:02:51.1	5.37	-77.61	32	1.7	0.2	226	7	O. PACIFICO CENTRO
4130	Nov 9 2015	01:13:36.6	6.79	-73.10	147	1.9	0.4	187	23	LOS SANTOS (SANTANDER)
4131	Nov 9 2015	01:37: 6.2	6.84	-73.11	152	1.9	0.4	212	16	LOS SANTOS (SANTANDER)
4132	Nov 9 2015	02:01:56.1	4.05	-71.32	Sup	1.8	0.2	310	8	OROCUE (CASANARE)
4133	Nov 9 2015	03:45:43.3	6.80	-73.09	148	2.6	0.5	123	32	LOS SANTOS (SANTANDER)
4134	Nov 9 2015	05:03:53.3	5.25	-73.72	149	2.4	0.5	78	32	CUCUNUBA (CUNDINAMARCA)
4135	Nov 9 2015	05:22: 8.0	6.77	-73.13	150	2.1	0.5	121	26	LOS SANTOS (SANTANDER)
4136	Nov 9 2015	06:08:21.3	6.80	-73.06	140	1.4	0.3	192	12	LOS SANTOS (SANTANDER)
4137	Nov 9 2015	07:40:13.1	11.62	-71.25	27	2.3	0.2	295	8	FRONTERA CON VENEZUELA
4138	Nov 9 2015	08:27:33.1	6.82	-73.18	144	2.2	0.4	130	38	ZAPATOCA (SANTANDER)
4139	Nov 9 2015	09:12:21.0	6.76	-76.25	Sup	1.1	0.3	206	10	FRONTINO (ANTIOQUIA)
4140	Nov 9 2015	10:40:55.9	6.76	-73.13	135	2.2	0.4	140	28	LOS SANTOS (SANTANDER)
4141	Nov 9 2015	12:45:38.1	6.51	-73.44	121	1.7	0.3	142	8	SIMACOTA (SANTANDER)
4142	Nov 9 2015	14:09:49.6	6.78	-73.13	146	2.0	0.3	139	22	LOS SANTOS (SANTANDER)
4143	Nov 9 2015	15:24:19.7	6.83	-73.09	147	2.3	0.4	188	27	LOS SANTOS (SANTANDER)
4144	Nov 9 2015	16:14:36.8	6.81	-73.14	148	3.4	0.4	71	0	LOS SANTOS (SANTANDER)
4145	Nov 9 2015	16:14:36.8	6.81	-73.14	148	3.4	0.4	71	46	LOS SANTOS (SANTANDER)
4146	Nov 9 2015	17:11:41.7	11.13	-74.65	38	1.9	0.3	243	11	MAR CARIBE
4147	Nov 9 2015	18:29: 5.7	8.40	-74.20	Sup	1.8	0.4	162	8	TIQUISIO (BOLIVAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4148	Nov 9 2015	20:07:26.2	6.86	-73.28	121	2.1	0.3	108	24	BETULIA (SANTANDER)
4149	Nov 9 2015	20:10:49.1	5.03	-77.62	29	2.6	0.6	295	10	O. PACIFICO CENTRO
4150	Nov 9 2015	21:04:48.1	3.88	-75.66	Sup	1.1	0.6	94	18	RONCESVALLES (TOLIMA)
4151	Nov 9 2015	21:44:53.8	5.54	-74.54	18	1.6	0.3	171	8	PUERTO SALGAR (CUNDINAMARCA)
4152	Nov 9 2015	22:53: 4.0	6.24	-77.56	16	2.3	0.4	208	14	O. PACIFICO NORTE
4153	Nov 10 2015	00:03: 0.6	5.76	-75.87	49	1.0	0.3	100	7	PUEBLORRICO (ANTIOQUIA)
4154	Nov 10 2015	02:14:33.1	6.75	-73.12	147	2.1	0.5	123	31	LOS SANTOS (SANTANDER)
4155	Nov 10 2015	04:25:57.3	5.94	-76.69	7	1.5	0.3	147	11	MEDIO ATRATO (CHOCO)
4156	Nov 10 2015	04:25:57.4	5.93	-76.70	Sup	1.7	0.2	164	7	MEDIO ATRATO (CHOCO)
4157	Nov 10 2015	06:34:34.5	8.49	-72.79	Sup	1.7	0.2	222	15	TIBU (N.SANTANDER)
4158	Nov 10 2015	07:34:32.2	3.84	-71.32	Sup	2.1	0.5	236	16	PUERTO GAITAN (META)
4159	Nov 10 2015	08:25:59.3	6.87	-73.28	125	2.0	0.5	161	23	BETULIA (SANTANDER)
4160	Nov 10 2015	08:33:36.9	6.82	-73.10	140	1.7	0.4	187	16	LOS SANTOS (SANTANDER)
4161	Nov 10 2015	10:09:55.0	6.81	-73.12	137	2.0	0.4	241	22	LOS SANTOS (SANTANDER)
4162	Nov 10 2015	12:47:39.9	3.90	-71.40	Sup	2.9	0.6	231	17	PUERTO GAITAN (META)
4163	Nov 10 2015	16:27:49.2	10.11	-73.87	66	2.3	0.4	131	12	EL COPEY (CESAR)
4164	Nov 10 2015	17:36: 7.6	5.69	-74.01	100	2.0	0.4	87	20	PAUNA (BOYACA)
4165	Nov 10 2015	19:21:31.9	3.44	-74.54	10	2.5	0.6	100	17	COLOMBIA (HUILA)
4166	Nov 10 2015	19:57: 1.1	4.69	-74.87	20	1.7	0.4	112	15	VENADILLO (TOLIMA)
4167	Nov 10 2015	20:11:33.6	8.63	-74.11	57	2.7	0.4	71	33	ALTOS DEL ROSARIO (BOLIVAR)
4168	Nov 10 2015	20:35:52.5	6.80	-73.10	143	2.3	0.5	142	28	LOS SANTOS (SANTANDER)
4169	Nov 10 2015	21:10:10.7	6.81	-73.11	147	2.6	0.4	140	26	LOS SANTOS (SANTANDER)
4170	Nov 10 2015	21:37:59.0	7.45	-73.17	132	2.1	0.3	137	9	EL PLAYON (SANTANDER)
4171	Nov 10 2015	22:03: 3.1	5.96	-73.70	121	1.6	0.4	84	11	GUAVATA (SANTANDER)
4172	Nov 10 2015	22:56: 9.6	6.78	-73.11	143	1.9	0.3	203	12	LOS SANTOS (SANTANDER)
4173	Nov 11 2015	00:52:50.5	6.56	-73.52	112	2.4	0.5	61	38	EL CARMEN (SANTANDER)
4174	Nov 11 2015	01:59: 9.9	7.40	-73.17	135	2.3	0.2	108	11	EL PLAYON (SANTANDER)
4175	Nov 11 2015	02:13: 4.8	6.77	-73.09	148	2.1	0.5	144	26	LOS SANTOS (SANTANDER)
4176	Nov 11 2015	02:28: 7.0	6.74	-73.09	138	2.2	0.4	145	8	LOS SANTOS (SANTANDER)
4177	Nov 11 2015	02:29:16.6	5.59	-73.95	115	2.9	0.5	56	44	PAUNA (BOYACA)
4178	Nov 11 2015	05:03:47.2	5.87	-73.65	126	2.3	0.5	49	42	PUENTE NACIONAL (SANTANDER)
4179	Nov 11 2015	06:07:38.9	2.86	-74.84	Sup	2.0	0.5	99	15	TELLO (HUILA)
4180	Nov 11 2015	06:08:12.4	6.79	-73.10	152	2.0	0.4	142	22	LOS SANTOS (SANTANDER)
4181	Nov 11 2015	08:09:48.5	6.70	-76.63	29	2.1	0.3	116	16	VIGIA DEL FUERTE (ANTIOQUIA)
4182	Nov 11 2015	08:14:15.0	6.81	-73.16	142	3.3	0.6	70	0	LOS SANTOS (SANTANDER)
4183	Nov 11 2015	08:14:15.0	6.81	-73.16	142	3.3	0.6	70	64	LOS SANTOS (SANTANDER)
4184	Nov 11 2015	11:30:27.7	6.78	-73.08	149	1.7	0.4	243	16	LOS SANTOS (SANTANDER)
4185	Nov 11 2015	11:35:49.9	6.81	-73.15	145	2.3	0.3	134	27	LOS SANTOS (SANTANDER)
4186	Nov 11 2015	11:40: 9.2	6.79	-73.10	148	2.5	0.4	68	34	LOS SANTOS (SANTANDER)
4187	Nov 11 2015	12:21:59.5	4.66	-76.13	94	1.4	0.2	130	8	ARGELIA (VALLE)
4188	Nov 11 2015	12:44:59.9	5.61	-74.01	111	2.0	0.4	124	17	PAUNA (BOYACA)
4189	Nov 11 2015	14:01:47.0	5.30	-73.69	138	1.7	0.4	230	8	LENGUAZAQUE (CUNDINAMARCA)
4190	Nov 11 2015	14:55:27.8	8.14	-75.55	Sup	1.8	0.4	174	8	BUENAVISTA (CORDOBA)
4191	Nov 11 2015	18:00:31.0	6.84	-73.11	140	1.9	0.4	139	16	LOS SANTOS (SANTANDER)
4192	Nov 11 2015	19:30:27.0	6.79	-73.12	145	1.8	0.4	140	22	LOS SANTOS (SANTANDER)
4193	Nov 11 2015	20:26:24.4	6.81	-73.13	146	3.3	0.5	66	54	LOS SANTOS (SANTANDER)
4194	Nov 11 2015	20:39:37.9	3.85	-71.47	Sup	2.4	0.7	241	19	PUERTO GAITAN (META)
4195	Nov 11 2015	21:05: 5.2	6.85	-73.29	125	2.1	0.4	105	17	BETULIA (SANTANDER)
4196	Nov 11 2015	21:11:48.4	5.04	-74.65	13	1.7	0.5	136	13	GUADUAS (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4197	Nov 12 2015	00:27:50.8	5.32	-75.83	Sup	1.0	0.5	121	8	GUATICA (RISARALDA)
4198	Nov 12 2015	00:35:58.6	4.57	-75.06	Sup	1.5	0.5	157	16	ANZOATEGUI (TOLIMA)
4199	Nov 12 2015	01:15:17.2	4.77	-76.17	95	1.9	0.4	129	19	EL CAIRO (VALLE)
4200	Nov 12 2015	01:29:36.7	6.80	-73.11	150	2.4	0.5	109	50	LOS SANTOS (SANTANDER)
4201	Nov 12 2015	03:01:38.7	6.09	-73.70	112	1.7	0.4	73	24	CHIPATA (SANTANDER)
4202	Nov 12 2015	03:20:23.0	6.75	-73.23	146	1.3	0.1	216	8	ZAPATOCA (SANTANDER)
4203	Nov 12 2015	03:21: 9.6	6.85	-73.00	139	1.1	0.4	255	9	CEPITA (SANTANDER)
4204	Nov 12 2015	03:23:20.3	7.42	-73.24	117	2.2	0.6	104	38	EL PLAYON (SANTANDER)
4205	Nov 12 2015	04:01:22.7	7.42	-74.65	44	2.6	0.5	36	48	ZARAGOZA (ANTIOQUIA)
4206	Nov 12 2015	04:48: 6.5	8.37	-73.50	111	3.6	0.5	118	0	GONZALEZ (CESAR)
4207	Nov 12 2015	04:48: 6.5	8.37	-73.50	111	3.6	0.5	118	90	GONZALEZ (CESAR)
4208	Nov 12 2015	06:22:57.2	5.77	-74.21	85	1.2	0.3	128	11	OTANCHE (BOYACA)
4209	Nov 12 2015	06:27:24.2	5.00	-73.63	153	2.0	0.3	287	10	MACHETA (CUNDINAMARCA)
4210	Nov 12 2015	06:50:18.3	7.34	-73.18	130	1.8	0.4	99	17	RIONEGRO (SANTANDER)
4211	Nov 12 2015	07:51: 6.8	6.79	-73.12	137	2.1	0.4	140	42	LOS SANTOS (SANTANDER)
4212	Nov 12 2015	08:57:50.9	6.01	-72.41	Sup	1.8	0.5	115	20	LA SALINA (CASANARE)
4213	Nov 12 2015	09:10:38.2	2.33	-75.59	10	1.7	0.5	125	10	GIGANTE (HUILA)
4214	Nov 12 2015	09:19:16.7	6.80	-73.11	142	1.5	0.5	140	18	LOS SANTOS (SANTANDER)
4215	Nov 12 2015	09:29:31.4	1.95	-76.08	Sup	1.7	0.4	91	16	SALADOBLANCO (HUILA)
4216	Nov 12 2015	09:37:28.7	7.37	-78.04	12	3.1	0.6	162	48	O. PACIFICO (FRONTERA CON PANAMA)
4217	Nov 12 2015	09:53:54.1	6.77	-73.11	141	1.8	0.4	142	22	LOS SANTOS (SANTANDER)
4218	Nov 12 2015	11:11: 1.1	6.78	-73.17	140	1.5	0.3	134	8	LOS SANTOS (SANTANDER)
4219	Nov 12 2015	11:15: 5.3	6.80	-73.14	139	2.0	0.4	137	23	LOS SANTOS (SANTANDER)
4220	Nov 12 2015	11:40: 5.9	6.77	-73.12	140	1.6	0.4	140	14	LOS SANTOS (SANTANDER)
4221	Nov 12 2015	11:53:39.0	5.24	-73.74	146	1.8	0.3	133	16	CUCUNUBA (CUNDINAMARCA)
4222	Nov 12 2015	12:37:34.8	3.99	-71.36	Sup	2.0	0.3	308	7	PUERTO GAITAN (META)
4223	Nov 12 2015	12:55: 0.9	6.78	-73.12	144	1.9	0.3	139	18	LOS SANTOS (SANTANDER)
4224	Nov 12 2015	15:12:38.4	6.96	-73.15	135	1.8	0.2	126	8	GIRON (SANTANDER)
4225	Nov 12 2015	15:17:13.7	6.13	-73.47	129	1.4	0.3	125	6	SAN BENITO (SANTANDER)
4226	Nov 12 2015	16:00:24.8	6.81	-73.14	146	3.0	0.5	70	49	LOS SANTOS (SANTANDER)
4227	Nov 12 2015	16:14:39.4	6.84	-73.16	143	1.9	0.5	133	13	LOS SANTOS (SANTANDER)
4228	Nov 12 2015	17:36:48.5	6.77	-73.07	137	1.6	0.4	147	8	LOS SANTOS (SANTANDER)
4229	Nov 12 2015	18:11: 2.4	5.19	-78.12	24	2.1	0.4	325	9	O. PACIFICO CENTRO
4230	Nov 12 2015	20:01:43.5	6.85	-73.28	126	2.0	0.4	109	12	ZAPATOCA (SANTANDER)
4231	Nov 12 2015	20:27:18.5	7.50	-74.96	30	2.0	0.6	108	12	ZARAGOZA (ANTIOQUIA)
4232	Nov 12 2015	22:45:10.2	6.90	-73.14	151	1.9	0.3	131	10	PIEDECUESTA (SANTANDER)
4233	Nov 12 2015	23:41:46.4	6.06	-73.82	Sup	1.2	0.5	160	8	EL PENON (SANTANDER)
4234	Nov 13 2015	00:53:27.2	6.56	-73.47	158	1.4	0.1	124	7	EL CARMEN (SANTANDER)
4235	Nov 13 2015	01:33:50.6	6.78	-73.16	135	1.7	0.5	135	14	LOS SANTOS (SANTANDER)
4236	Nov 13 2015	02:27:31.9	7.92	-73.25	137	2.0	0.5	148	18	ABREGO (N.SANTANDER)
4237	Nov 13 2015	03:25:27.5	7.77	-72.56	Sup	1.8	0.4	115	10	LOS PATIOS (N.SANTANDER)
4238	Nov 13 2015	03:25:53.4	7.79	-72.56	Sup	2.0	0.6	111	23	LOS PATIOS (N.SANTANDER)
4239	Nov 13 2015	04:54: 4.3	6.82	-73.12	151	2.3	0.5	138	39	LOS SANTOS (SANTANDER)
4240	Nov 13 2015	06:03:15.9	7.15	-71.95	Sup	3.4	0.6	74	0	FRONTERA CON VENEZUELA
<u>4241</u>	<u>Nov 13 2015</u>	<u>06:03:15.9</u>	<u>7.15</u>	<u>-71.95</u>	<u>0</u>	<u>3.4</u>	<u>0.6</u>	<u>74</u>	<u>61</u>	<u>FRONTERA CON VENEZUELA</u>
4242	Nov 13 2015	07:23:47.0	3.83	-71.35	Sup	2.0	0.3	288	8	PUERTO GAITAN (META)
4243	Nov 13 2015	07:57:21.6	3.45	-74.62	Sup	2.6	0.4	65	45	COLOMBIA (HUILA)
4244	Nov 13 2015	09:02:27.7	6.84	-73.16	142	1.7	0.4	133	15	LOS SANTOS (SANTANDER)
4245	Nov 13 2015	09:32:59.8	5.06	-74.67	Sup	2.6	0.6	55	49	GUADUAS (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4246	Nov 13 2015	09:38:50.9	5.05	-74.67	6	1.6	0.5	69	22	GUADUAS (CUNDINAMARCA)
4247	Nov 13 2015	10:19:38.4	7.26	-73.96	16	2.0	0.5	89	17	PUERTO WILCHES (SANTANDER)
4248	Nov 13 2015	11:16: 9.8	6.39	-73.56	114	1.8	0.5	101	14	SANTA HELENA DEL OPOON (SANTANDER)
4249	Nov 13 2015	11:52: 3.7	1.89	-76.02	8	1.6	0.3	209	8	PITALITO (HUILA)
4250	Nov 13 2015	14:44: 7.5	7.00	-77.63	18	2.8	0.5	146	24	JURADO (CHOCO)
4251	Nov 13 2015	17:16:32.3	5.15	-74.67	30	1.0	0.2	214	8	HONDA (TOLIMA)
4252	Nov 13 2015	17:28:40.7	6.78	-73.09	140	2.2	0.3	144	26	LOS SANTOS (SANTANDER)
4253	Nov 13 2015	17:59:56.6	6.67	-72.19	Sup	2.2	0.4	157	19	GUICAN (BOYACA)
4254	Nov 13 2015	19:07:48.5	7.23	-76.66	11	1.6	0.4	271	8	MUTATA (ANTIOQUIA)
4255	Nov 13 2015	19:57:10.8	6.91	-73.40	115	2.8	0.5	86	48	SAN VICENTE DE CHUCURI (SANTANDER)
4256	Nov 13 2015	21:29:50.8	6.79	-73.12	143	2.1	0.4	140	26	LOS SANTOS (SANTANDER)
4257	Nov 13 2015	22:51:10.3	4.71	-73.65	Sup	1.4	0.4	225	10	GAMA (CUNDINAMARCA)
4258	Nov 13 2015	23:23:39.9	6.82	-73.13	146	3.4	0.5	56	60	LOS SANTOS (SANTANDER)
4259	Nov 14 2015	00:09:35.5	5.64	-77.85	41	2.0	0.4	217	13	O. PACIFICO NORTE
4260	Nov 14 2015	00:16:17.6	6.81	-73.11	147	2.2	0.5	139	31	LOS SANTOS (SANTANDER)
4261	Nov 14 2015	00:43:16.2	5.26	-73.77	142	1.9	0.5	128	22	CUCUNUBA (CUNDINAMARCA)
4262	Nov 14 2015	01:14: 7.3	6.79	-73.14	143	1.9	0.3	137	22	LOS SANTOS (SANTANDER)
<u>4263</u>	<u>Nov 14 2015</u>	<u>01:59:17.0</u>	<u>5.06</u>	<u>-74.68</u>	<u>12</u>	<u>3.6</u>	<u>0.7</u>	<u>39</u>	<u>76</u>	<u>GUADUAS (CUNDINAMARCA)</u>
4264	Nov 14 2015	02:18:52.0	6.82	-73.10	140	1.8	0.5	205	17	LOS SANTOS (SANTANDER)
4265	Nov 14 2015	03:02: 1.7	5.04	-74.68	Sup	1.6	0.4	133	18	GUADUAS (CUNDINAMARCA)
4266	Nov 14 2015	04:25: 7.2	6.89	-73.10	155	3.2	0.7	58	0	PIEDECUESTA (SANTANDER)
4267	Nov 14 2015	04:25: 7.2	6.89	-73.10	155	3.2	0.7	58	65	PIEDECUESTA (SANTANDER)
4268	Nov 14 2015	04:41:34.6	3.31	-73.97	Sup	1.8	0.7	155	12	MESETAS (META)
4269	Nov 14 2015	04:42:23.5	6.80	-73.14	142	2.5	0.5	137	35	LOS SANTOS (SANTANDER)
4270	Nov 14 2015	05:40:53.9	6.79	-73.09	146	1.7	0.4	143	21	LOS SANTOS (SANTANDER)
4271	Nov 14 2015	06:25:48.8	6.81	-73.09	148	2.1	0.6	142	30	LOS SANTOS (SANTANDER)
4272	Nov 14 2015	08:25: 7.9	3.80	-71.41	Sup	2.0	0.6	232	15	PUERTO GAITAN (META)
4273	Nov 14 2015	08:36:45.6	6.76	-73.11	132	1.5	0.5	239	10	LOS SANTOS (SANTANDER)
4274	Nov 14 2015	08:43:51.0	6.78	-73.09	148	1.5	0.2	241	12	LOS SANTOS (SANTANDER)
4275	Nov 14 2015	09:02:12.8	4.76	-76.23	120	2.0	0.5	92	11	EL CAIRO (VALLE)
4276	Nov 14 2015	09:34:37.9	9.13	-77.89	32	3.1	0.6	149	47	MAR CARIBE (FRONTERA CON PANAMA)
4277	Nov 14 2015	09:41:29.0	6.80	-73.10	144	2.1	0.5	142	36	LOS SANTOS (SANTANDER)
4278	Nov 14 2015	09:41:28.7	6.80	-73.09	146	2.1	0.5	143	36	LOS SANTOS (SANTANDER)
4279	Nov 14 2015	09:48:53.5	6.80	-73.13	148	2.4	0.5	71	35	LOS SANTOS (SANTANDER)
4280	Nov 14 2015	10:34:32.0	6.84	-72.97	148	1.8	0.4	213	15	CEPITA (SANTANDER)
4281	Nov 14 2015	11:57:50.8	4.06	-76.31	110	1.7	0.4	159	14	RIOFRIO (VALLE)
4282	Nov 14 2015	13:01:28.4	5.54	-74.09	103	2.1	0.4	88	22	MUZO (BOYACA)
4283	Nov 14 2015	13:42: 7.2	6.82	-73.11	153	2.7	0.4	121	40	LOS SANTOS (SANTANDER)
4284	Nov 14 2015	16:12:29.4	7.27	-75.25	23	2.3	0.5	75	27	VALDIVIA (ANTIOQUIA)
4285	Nov 14 2015	16:18:38.8	6.82	-73.13	144	2.3	0.4	137	21	LOS SANTOS (SANTANDER)
4286	Nov 14 2015	18:28:31.8	8.58	-74.08	61	2.3	0.3	111	10	TIQUISIO (BOLIVAR)
4287	Nov 14 2015	19:42:37.4	6.38	-76.17	61	1.8	0.3	194	12	URRAO (ANTIOQUIA)
4288	Nov 14 2015	21:57:37.5	4.49	-74.76	29	1.7	0.3	107	10	GUATAQUI (CUNDINAMARCA)
4289	Nov 14 2015	22:41: 5.7	7.11	-73.88	98	2.7	0.5	50	39	BARRANCABERMEJA (SANTANDER)
4290	Nov 15 2015	00:49:45.8	6.09	-73.77	106	1.7	0.4	164	11	EL PENON (SANTANDER)
4291	Nov 15 2015	01:37:48.6	6.81	-73.14	146	2.0	0.6	136	31	LOS SANTOS (SANTANDER)
4292	Nov 15 2015	04:43: 6.2	6.77	-73.14	140	2.1	0.6	111	28	LOS SANTOS (SANTANDER)
4293	Nov 15 2015	06:18:17.2	4.93	-75.70	Sup	1.3	0.5	143	15	MARSELLA (RISARALDA)
4294	Nov 15 2015	07:02: 1.3	4.96	-74.61	Sup	2.2	0.7	52	46	CHAGUANI (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4295	Nov 15 2015	07:07:41.9	6.80	-73.13	145	1.8	0.5	138	15	LOS SANTOS (SANTANDER)
4296	Nov 15 2015	07:08:51.3	6.72	-73.17	130	1.3	0.3	228	10	VILLANUEVA (SANTANDER)
4297	Nov 15 2015	08:53:23.2	2.94	-74.80	Sup	2.5	0.6	93	44	BARAYA (HUILA)
4298	Nov 15 2015	10:12: 7.1	6.79	-73.14	142	1.7	0.5	137	14	LOS SANTOS (SANTANDER)
4299	Nov 15 2015	10:27: 2.1	4.93	-75.70	Sup	1.8	0.5	75	24	MARSELLA (RISARALDA)
4300	Nov 15 2015	10:56: 7.2	5.10	-74.91	Sup	1.5	0.5	173	16	FALAN (TOLIMA)
4301	Nov 15 2015	11:29: 1.1	9.33	-74.70	20	2.3	0.5	81	14	CICUCO (BOLIVAR)
4302	Nov 15 2015	11:48:15.0	6.79	-73.18	142	2.2	0.5	132	26	ZAPATOCA (SANTANDER)
4303	Nov 15 2015	13:25:12.4	6.79	-73.05	146	2.3	0.5	148	11	LOS SANTOS (SANTANDER)
4304	Nov 15 2015	13:24:52.6	6.79	-73.16	144	2.1	0.3	134	19	LOS SANTOS (SANTANDER)
4305	Nov 15 2015	13:33:42.2	6.79	-73.15	141	3.4	0.4	71	0	LOS SANTOS (SANTANDER)
4306	Nov 15 2015	13:33:42.2	6.79	-73.15	141	3.4	0.4	71	41	LOS SANTOS (SANTANDER)
4307	Nov 15 2015	16:13:39.4	3.92	-76.77	100	2.2	0.4	291	12	RESTREPO (VALLE)
4308	Nov 15 2015	16:57:52.9	3.86	-71.42	Sup	2.7	0.7	210	19	PUERTO GAITAN (META)
4309	Nov 15 2015	19:40:49.4	3.85	-71.37	Sup	2.2	0.5	290	9	PUERTO GAITAN (META)
4310	Nov 15 2015	21:19:13.7	9.31	-74.99	Sup	2.0	0.5	112	12	BUENAVISTA (SUCRE)
4311	Nov 15 2015	23:44:36.0	6.83	-73.16	152	1.7	0.5	132	15	LOS SANTOS (SANTANDER)
4312	Nov 16 2015	00:18:48.0	6.81	-73.12	140	2.0	0.6	139	37	LOS SANTOS (SANTANDER)
4313	Nov 16 2015	01:25:14.9	8.48	-73.71	86	2.3	0.6	103	33	LA GLORIA (CESAR)
4314	Nov 16 2015	02:37:16.4	5.49	-73.85	121	1.5	0.5	109	12	SIMIJACA (CUNDINAMARCA)
4315	Nov 16 2015	03:19:58.8	6.78	-73.09	141	1.7	0.5	145	19	LOS SANTOS (SANTANDER)
4316	Nov 16 2015	05:04:54.4	8.75	-73.46	25	2.1	0.5	141	25	PELAYA (CESAR)
4317	Nov 16 2015	05:24: 9.2	7.93	-76.77	Sup	1.8	0.5	161	16	APARTADO (ANTIOQUIA)
4318	Nov 16 2015	05:58:32.1	4.74	-76.19	95	1.0	0.2	142	8	EL CAIRO (VALLE)
4319	Nov 16 2015	06:37:57.5	6.78	-73.06	136	1.5	0.4	191	14	LOS SANTOS (SANTANDER)
4320	Nov 16 2015	08:35:47.7	6.67	-73.26	129	1.8	0.5	157	20	GALAN (SANTANDER)
4321	Nov 16 2015	09:46:54.2	6.80	-73.18	143	1.9	0.5	132	28	ZAPATOCA (SANTANDER)
4322	Nov 16 2015	10:22:38.6	6.93	-76.64	Sup	1.7	0.6	239	16	MURINDO (ANTIOQUIA)
4323	Nov 16 2015	11:56:40.6	4.03	-76.04	160	2.3	0.4	85	28	TULUA (VALLE)
<u>4324</u>	<u>Nov 16 2015</u>	<u>13:11:55.5</u>	<u>8.35</u>	<u>-77.13</u>	<u>32</u>	<u>4.1</u>	<u>0.5</u>	<u>82</u>	<u>0</u>	<u>ACANDI (CHOCO)</u>
<u>4325</u>	<u>Nov 16 2015</u>	<u>13:11:55.5</u>	<u>8.35</u>	<u>-77.13</u>	<u>32</u>	<u>4.1</u>	<u>0.5</u>	<u>82</u>	<u>90</u>	<u>ACANDI (CHOCO)</u>
4326	Nov 16 2015	13:45:56.7	3.91	-73.47	14	1.4	0.3	281	9	CASTILLA LA NUEVA (META)
4327	Nov 16 2015	14:23:10.0	5.26	-73.74	143	1.9	0.4	133	19	CUCUNUBA (CUNDINAMARCA)
4328	Nov 16 2015	14:32: 7.9	7.11	-76.27	Sup	3.0	0.6	54	54	DABEIBA (ANTIOQUIA)
4329	Nov 16 2015	14:51:40.7	6.81	-73.14	145	2.0	0.5	201	22	LOS SANTOS (SANTANDER)
4330	Nov 16 2015	16:01:19.2	5.77	-75.88	57	1.3	0.3	169	8	HISPANIA (ANTIOQUIA)
4331	Nov 16 2015	17:22: 9.5	8.91	-74.09	59	2.9	0.5	87	42	BARRANCO DE LOBA (BOLIVAR)
4332	Nov 16 2015	17:37:41.8	6.84	-73.12	149	2.1	0.5	138	28	LOS SANTOS (SANTANDER)
4333	Nov 16 2015	17:43:18.7	6.10	-75.84	28	1.4	0.4	218	8	TITIRIBI (ANTIOQUIA)
<u>4334</u>	<u>Nov 16 2015</u>	<u>18:05:31.0</u>	<u>3.95</u>	<u>-76.60</u>	<u>30</u>	<u>2.9</u>	<u>0.5</u>	<u>117</u>	<u>41</u>	<u>CALIMA (VALLE)</u>
4335	Nov 16 2015	20:34:34.1	6.33	-73.54	115	1.7	0.4	79	18	SANTA HELENA DEL OPON (SANTANDER)
4336	Nov 16 2015	21:37:59.7	6.82	-74.79	28	1.7	0.1	163	7	VEGACHI (ANTIOQUIA)
4337	Nov 16 2015	23:04:44.5	3.62	-74.04	Sup	1.4	0.3	137	6	LEJANIAS (META)
4338	Nov 17 2015	01:02:45.0	6.76	-73.11	149	1.8	0.4	141	23	LOS SANTOS (SANTANDER)
4339	Nov 17 2015	01:31:25.3	1.91	-75.97	7	1.8	0.4	160	16	TIMANA (HUILA)
4340	Nov 17 2015	02:21:24.1	5.22	-76.25	90	1.8	0.5	197	20	PUEBLO RICO (RISARALDA)
4341	Nov 17 2015	02:34:14.7	6.80	-73.15	142	1.6	0.4	135	19	LOS SANTOS (SANTANDER)
4342	Nov 17 2015	03:31:52.9	6.86	-73.32	122	1.6	0.3	153	14	BETULIA (SANTANDER)
4343	Nov 17 2015	04:23: 1.6	6.80	-73.21	127	1.2	0.3	175	10	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4344	Nov 17 2015	04:39:32.4	6.82	-73.11	147	2.1	0.5	140	30	LOS SANTOS (SANTANDER)
4345	Nov 17 2015	05:41:32.2	6.81	-73.10	147	2.0	0.5	141	29	LOS SANTOS (SANTANDER)
4346	Nov 17 2015	07:29:40.7	6.80	-73.14	145	1.8	0.4	149	14	LOS SANTOS (SANTANDER)
4347	Nov 17 2015	07:51:59.6	5.80	-74.31	74	1.9	0.4	54	31	OTANCHE (BOYACA)
4348	Nov 17 2015	10:12:38.9	6.81	-73.12	146	2.0	0.5	203	22	LOS SANTOS (SANTANDER)
4349	Nov 17 2015	12:09:58.9	6.81	-73.11	134	2.0	0.4	204	17	LOS SANTOS (SANTANDER)
4350	Nov 17 2015	12:42:58.1	6.79	-73.08	147	2.4	0.4	145	26	LOS SANTOS (SANTANDER)
4351	Nov 17 2015	14:33:22.7	6.81	-73.12	148	2.9	0.5	120	50	LOS SANTOS (SANTANDER)
4352	Nov 17 2015	14:53:19.4	4.41	-75.68	Sup	1.5	0.3	98	16	CORDOBA (QUINDIO)
4353	Nov 17 2015	15:04:47.1	6.81	-73.10	148	2.9	0.6	69	0	LOS SANTOS (SANTANDER)
4354	Nov 17 2015	15:04:47.1	6.81	-73.10	148	2.9	0.6	69	51	LOS SANTOS (SANTANDER)
4355	Nov 17 2015	18:36:40.9	3.08	-78.26	Sup	2.2	0.4	213	14	O. PACIFICO SUR
4356	Nov 17 2015	18:42:57.3	2.49	-78.24	166	2.5	0.4	209	25	LA TOLA (NARINO)
4357	Nov 17 2015	20:08:27.1	6.73	-73.17	136	1.9	0.4	136	14	VILLANUEVA (SANTANDER)
4358	Nov 17 2015	21:28: 8.7	3.00	-78.34	32	2.3	0.4	226	28	MOSQUERA (NARINO)
4359	Nov 17 2015	21:31:20.4	7.88	-73.61	40	1.8	0.3	81	12	SAN MARTIN (CESAR)
4360	Nov 17 2015	23:01:12.2	4.15	-76.66	91	2.1	0.4	202	20	CALIMA (VALLE)
4361	Nov 18 2015	00:03: 2.6	6.81	-73.12	148	1.5	0.2	138	12	LOS SANTOS (SANTANDER)
4362	Nov 18 2015	01:00: 3.7	6.40	-76.57	14	1.6	0.5	256	16	VIGIA DEL FUERTE (ANTIOQUIA)
4363	Nov 18 2015	01:42:42.2	6.79	-73.11	149	1.9	0.4	140	20	LOS SANTOS (SANTANDER)
4364	Nov 18 2015	02:33:57.1	6.80	-73.11	146	1.7	0.4	141	18	LOS SANTOS (SANTANDER)
4365	Nov 18 2015	03:34:18.7	6.83	-73.10	149	2.8	0.5	53	60	LOS SANTOS (SANTANDER)
4366	Nov 18 2015	04:00:18.7	6.81	-73.13	141	1.5	0.4	138	12	LOS SANTOS (SANTANDER)
4367	Nov 18 2015	04:14:30.3	5.28	-73.78	147	1.8	0.3	166	18	CUCUNUBA (CUNDINAMARCA)
4368	Nov 18 2015	06:00: 2.3	6.80	-73.09	150	1.8	0.4	188	20	LOS SANTOS (SANTANDER)
4369	Nov 18 2015	07:11:14.1	4.71	-76.28	103	1.9	0.5	96	28	EL CAIRO (VALLE)
4370	Nov 18 2015	07:36: 4.3	6.76	-73.07	144	1.5	0.3	242	12	LOS SANTOS (SANTANDER)
4371	Nov 18 2015	10:18:29.3	5.62	-79.18	30	2.0	0.1	236	10	O. PACIFICO NORTE
4372	Nov 18 2015	10:37:58.2	6.83	-73.12	144	1.5	0.3	137	12	LOS SANTOS (SANTANDER)
4373	Nov 18 2015	10:31:37.8	3.09	-74.84	Sup	1.2	0.4	219	10	BARAYA (HUILA)
4374	Nov 18 2015	11:05:25.4	5.31	-75.68	96	1.2	0.2	230	8	QUINCHIA (RISARALDA)
4375	Nov 18 2015	11:10:17.5	6.77	-73.16	133	1.5	0.4	136	12	LOS SANTOS (SANTANDER)
4376	Nov 18 2015	11:37:52.3	5.62	-76.39	Sup	2.5	0.6	67	40	LORO (CHOCO)
4377	Nov 18 2015	12:13: 5.4	6.79	-73.11	145	1.9	0.4	141	25	LOS SANTOS (SANTANDER)
4378	Nov 18 2015	12:43:14.8	6.84	-73.23	132	1.9	0.5	122	14	ZAPATOCA (SANTANDER)
4379	Nov 18 2015	12:54:44.5	0.87	-75.93	Sup	2.3	0.3	251	12	CURILLO (CAQUETA)
4380	Nov 18 2015	12:56:26.6	4.30	-73.88	10	2.1	0.6	66	20	QUETAME (CUNDINAMARCA)
4381	Nov 18 2015	13:36:49.7	6.79	-73.14	144	1.9	0.5	138	22	LOS SANTOS (SANTANDER)
4382	Nov 18 2015	14:53:47.3	4.28	-73.86	9	2.2	0.6	101	29	QUETAME (CUNDINAMARCA)
4383	Nov 18 2015	16:50:11.4	6.68	-73.11	132	1.8	0.6	145	12	VILLANUEVA (SANTANDER)
4384	Nov 18 2015	16:59:32.7	4.88	-76.07	110	2.0	0.5	89	20	EL AGUILA (VALLE)
4385	Nov 18 2015	17:36:29.8	6.81	-73.09	152	2.4	0.6	123	38	LOS SANTOS (SANTANDER)
4386	Nov 18 2015	18:09:20.0	6.80	-73.09	148	2.8	0.3	143	32	LOS SANTOS (SANTANDER)
4387	Nov 18 2015	18:38:10.0	6.82	-73.13	142	2.3	0.5	137	24	LOS SANTOS (SANTANDER)
4388	Nov 18 2015	21:20: 7.2	2.33	-75.66	Sup	1.2	0.2	127	8	GIGANTE (HUILA)
4389	Nov 18 2015	21:44:12.7	6.80	-73.16	144	1.8	0.3	133	17	LOS SANTOS (SANTANDER)
4390	Nov 18 2015	23:16:16.1	7.54	-73.32	120	2.0	0.4	108	17	LA ESPERANZA (N.SANTANDER)
4391	Nov 19 2015	01:38:40.6	6.81	-73.09	149	2.1	0.5	123	32	LOS SANTOS (SANTANDER)
4392	Nov 19 2015	02:10:27.8	6.79	-73.10	139	1.4	0.2	204	9	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4393	Nov 19 2015	02:13:27.3	6.83	-73.11	147	1.7	0.4	139	21	LOS SANTOS (SANTANDER)
4394	Nov 19 2015	02:56:52.9	6.80	-73.09	145	2.1	0.5	123	31	LOS SANTOS (SANTANDER)
4395	Nov 19 2015	04:12: 3.9	8.50	-77.39	74	2.5	0.5	234	16	ACANDI (CHOCO)
4396	Nov 19 2015	04:14:10.0	6.81	-73.15	138	2.3	0.5	135	38	LOS SANTOS (SANTANDER)
4397	Nov 19 2015	05:17:15.5	6.81	-73.09	145	1.6	0.3	244	11	LOS SANTOS (SANTANDER)
4398	Nov 19 2015	05:22:25.7	6.80	-73.10	150	2.0	0.5	141	34	LOS SANTOS (SANTANDER)
4399	Nov 19 2015	05:31:21.9	6.95	-75.19	15	2.9	0.5	57	47	CAMPAMENTO (ANTIOQUIA)
4400	Nov 19 2015	05:44:23.0	3.82	-71.34	Sup	1.8	0.5	290	8	PUERTO GAITAN (META)
4401	Nov 19 2015	06:03:24.4	5.25	-73.72	149	2.6	0.5	79	48	CUCUNUBA (CUNDINAMARCA)
4402	Nov 19 2015	06:31:16.0	6.28	-74.46	Sup	1.3	0.6	77	18	PUERTO NARE (ANTIOQUIA)
4403	Nov 19 2015	06:36:49.3	3.89	-76.40	119	1.4	0.3	270	10	YOTOCO (VALLE)
4404	Nov 19 2015	07:13:27.1	3.83	-71.38	Sup	2.0	0.4	264	13	PUERTO GAITAN (META)
4405	Nov 19 2015	07:27:55.0	6.81	-73.12	148	2.1	0.5	138	20	LOS SANTOS (SANTANDER)
4406	Nov 19 2015	07:39:18.6	5.61	-73.96	108	2.1	0.4	55	47	PAUNA (BOYACA)
4407	Nov 19 2015	07:50:48.0	6.80	-73.10	150	2.0	0.5	122	34	LOS SANTOS (SANTANDER)
4408	Nov 19 2015	10:33: 5.4	2.40	-75.52	16	1.6	0.3	105	10	GIGANTE (HUILA)
4409	Nov 19 2015	11:00:50.9	6.78	-73.33	114	1.2	0.5	147	9	ZAPATOCA (SANTANDER)
4410	Nov 19 2015	11:46: 4.8	6.79	-73.07	148	1.3	0.6	146	10	LOS SANTOS (SANTANDER)
4411	Nov 19 2015	12:25:32.7	6.21	-74.78	23	2.0	0.6	190	12	CARACOLI (ANTIOQUIA)
4412	Nov 19 2015	13:53:47.5	8.63	-73.64	90	1.9	0.4	166	20	PELAYA (CESAR)
4413	Nov 19 2015	14:06:52.0	6.83	-73.09	139	1.5	0.4	205	13	LOS SANTOS (SANTANDER)
4414	Nov 19 2015	14:13:26.7	11.11	-72.39	81	2.0	0.5	178	14	FRONTERA CON VENEZUELA
4415	Nov 19 2015	15:28: 9.4	7.47	-77.56	Sup	2.2	0.5	153	14	JURADO (CHOCO)
4416	Nov 19 2015	15:35:14.5	6.79	-73.13	143	2.1	0.4	138	22	LOS SANTOS (SANTANDER)
4417	Nov 19 2015	15:45:37.1	6.83	-73.15	140	2.1	0.4	133	25	LOS SANTOS (SANTANDER)
4418	Nov 19 2015	16:33:27.5	6.80	-73.18	146	2.1	0.5	137	19	ZAPATOCA (SANTANDER)
4419	Nov 19 2015	16:46:23.4	6.81	-73.11	147	2.1	0.5	140	21	LOS SANTOS (SANTANDER)
4420	Nov 19 2015	16:56:47.3	3.58	-74.46	23	1.3	0.4	203	8	URIBE (META)
4421	Nov 19 2015	17:07: 1.0	4.33	-77.92	60	2.4	0.4	253	19	O. PACIFICO CENTRO
4422	Nov 19 2015	17:48:27.4	3.91	-77.06	8	2.3	0.5	194	28	BUENAVENTURA (VALLE)
4423	Nov 19 2015	18:07:58.0	5.78	-73.90	105	2.3	0.6	121	37	ALBANIA (SANTANDER)
4424	Nov 19 2015	18:26:39.7	6.82	-73.07	153	2.2	0.5	124	23	LOS SANTOS (SANTANDER)
4425	Nov 19 2015	19:19:59.9	5.58	-72.70	Sup	2.3	0.6	111	28	LABRANZAGRANDE (BOYACA)
4426	Nov 19 2015	20:19:33.2	6.81	-73.13	150	3.8	0.5	53	0	LOS SANTOS (SANTANDER)
4427	Nov 19 2015	20:19:33.2	6.81	-73.13	150	3.8	0.5	53	70	LOS SANTOS (SANTANDER)
4428	Nov 19 2015	21:49:43.5	1.73	-76.24	Sup	1.6	0.2	238	9	PALESTINA (HUILA)
4429	Nov 19 2015	22:20:41.6	6.79	-73.13	139	1.7	0.2	156	8	LOS SANTOS (SANTANDER)
4430	Nov 19 2015	23:15:39.0	6.78	-73.12	148	1.9	0.3	140	11	LOS SANTOS (SANTANDER)
4431	Nov 20 2015	00:42:37.7	5.18	-74.68	Sup	2.2	0.6	67	39	HONDA (TOLIMA)
4432	Nov 20 2015	01:32:37.3	6.82	-73.08	149	2.5	0.5	103	46	LOS SANTOS (SANTANDER)
4433	Nov 20 2015	01:49:47.9	5.20	-76.23	92	1.8	0.5	189	20	PUEBLO RICO (RISARALDA)
4434	Nov 20 2015	02:07:21.6	4.58	-78.33	17	2.5	0.5	276	27	O. PACIFICO CENTRO
4435	Nov 20 2015	02:29:43.0	4.67	-75.12	Sup	0.8	0.3	150	10	SANTA ISABEL (TOLIMA)
4436	Nov 20 2015	02:53:43.1	6.80	-73.12	143	1.8	0.4	139	20	LOS SANTOS (SANTANDER)
4437	Nov 20 2015	03:51:31.5	6.82	-73.12	144	1.8	0.4	138	25	LOS SANTOS (SANTANDER)
4438	Nov 20 2015	04:19:40.5	5.78	-73.87	109	1.1	0.3	156	12	ALBANIA (SANTANDER)
4439	Nov 20 2015	04:21: 1.5	6.81	-73.09	143	1.9	0.4	123	28	LOS SANTOS (SANTANDER)
4440	Nov 20 2015	04:23: 1.0	6.78	-73.06	150	1.7	0.5	148	18	LOS SANTOS (SANTANDER)
4441	Nov 20 2015	04:59:27.8	7.17	-75.75	Sup	1.4	0.4	130	10	ITUANGO (ANTIOQUIA)
4442	Nov 20 2015	05:48:33.1	3.74	-77.39	Sup	2.0	0.5	214	18	O. PACIFICO SUR

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4443	Nov 20 2015	06:47: 2.4	6.80	-73.13	147	1.5	0.4	138	16	LOS SANTOS (SANTANDER)
4444	Nov 20 2015	07:01:56.8	4.26	-73.84	8	1.9	0.7	67	26	GUAYABETAL (CUNDINAMARCA)
4445	Nov 20 2015	07:07: 2.4	6.77	-73.05	154	0.9	0.4	149	9	LOS SANTOS (SANTANDER)
4446	Nov 20 2015	07:07:40.9	6.81	-73.11	145	1.7	0.4	139	23	LOS SANTOS (SANTANDER)
4447	Nov 20 2015	07:17:32.6	8.43	-74.29	27	2.7	0.6	77	57	TIQUISIO (BOLIVAR)
4448	Nov 20 2015	07:40:19.1	5.08	-76.49	57	2.2	0.5	106	33	CONDOTO (CHOCO)
4449	Nov 20 2015	08:41:37.2	6.79	-73.12	144	1.1	0.3	203	9	LOS SANTOS (SANTANDER)
4450	Nov 20 2015	09:02: 7.1	6.81	-73.14	146	2.2	0.4	137	34	LOS SANTOS (SANTANDER)
4451	Nov 20 2015	09:45:27.3	6.86	-73.25	120	1.3	0.3	187	9	BETULIA (SANTANDER)
4452	Nov 20 2015	10:32:56.9	6.82	-73.13	147	2.1	0.6	118	32	LOS SANTOS (SANTANDER)
4453	Nov 20 2015	10:37:15.1	5.91	-73.54	120	1.4	0.4	119	14	TOGUI (BOYACA)
4454	Nov 20 2015	11:45:22.7	5.05	-74.69	15	1.7	0.4	74	16	GUADUAS (CUNDINAMARCA)
4455	Nov 20 2015	13:34:49.4	2.47	-75.28	Sup	1.4	0.3	215	8	ALGECIRAS (HUILA)
4456	Nov 20 2015	14:04: 9.7	6.74	-73.12	135	1.7	0.4	141	11	LOS SANTOS (SANTANDER)
4457	Nov 20 2015	14:58:56.5	4.94	-75.37	Sup	1.7	0.4	200	10	VILLAMARIA (CALDAS)
4458	Nov 20 2015	14:58:56.8	4.93	-75.38	Sup	1.7	0.6	159	12	VILLAMARIA (CALDAS)
4459	Nov 20 2015	15:51:15.5	6.76	-73.14	144	1.6	0.3	155	8	LOS SANTOS (SANTANDER)
4460	Nov 20 2015	17:04:30.5	6.65	-73.24	151	1.8	0.3	180	7	BARICHARA (SANTANDER)
4461	Nov 20 2015	21:05:24.1	8.03	-75.17	84	1.7	0.3	95	8	CAUCASIA (ANTIOQUIA)
4462	Nov 20 2015	21:26:39.3	6.77	-73.13	133	1.8	0.3	237	13	LOS SANTOS (SANTANDER)
4463	Nov 20 2015	21:40:33.9	6.81	-73.14	146	2.9	0.4	136	38	LOS SANTOS (SANTANDER)
4464	Nov 20 2015	21:57:39.3	9.02	-74.16	59	1.9	0.3	138	12	BARRANCO DE LOBA (BOLIVAR)
4465	Nov 21 2015	00:08:39.2	6.78	-73.11	140	1.6	0.4	281	9	LOS SANTOS (SANTANDER)
4466	Nov 21 2015	00:38: 6.3	7.39	-76.37	15	1.7	0.6	155	17	MUTATA (ANTIOQUIA)
4467	Nov 21 2015	01:43:21.6	5.81	-74.21	27	1.7	0.2	109	8	OTANCHE (BOYACA)
4468	Nov 21 2015	01:46:11.4	5.95	-72.23	10	2.7	0.5	135	39	TAMARA (CASANARE)
4469	Nov 21 2015	02:04:44.1	6.80	-73.12	126	1.7	0.5	139	21	LOS SANTOS (SANTANDER)
4470	Nov 21 2015	03:05:55.2	6.81	-73.13	139	2.6	0.5	137	43	LOS SANTOS (SANTANDER)
4471	Nov 21 2015	03:21:27.9	6.79	-73.16	143	1.6	0.4	135	19	LOS SANTOS (SANTANDER)
4472	Nov 21 2015	03:57:27.4	6.83	-73.12	147	2.7	0.7	67	46	LOS SANTOS (SANTANDER)
4473	Nov 21 2015	04:01:34.7	7.13	-73.22	114	1.3	0.3	267	8	LEBRIJA (SANTANDER)
4474	Nov 21 2015	04:49: 1.4	6.75	-73.18	140	1.4	0.7	134	13	LOS SANTOS (SANTANDER)
4475	Nov 21 2015	06:22:56.3	7.40	-76.39	11	0.9	0.7	156	10	MUTATA (ANTIOQUIA)
4476	Nov 21 2015	07:25:34.8	6.89	-73.34	118	1.9	0.5	92	28	BETULIA (SANTANDER)
4477	Nov 21 2015	07:44:59.1	6.77	-73.16	148	1.4	0.4	199	12	LOS SANTOS (SANTANDER)
4478	Nov 21 2015	07:50:45.4	6.77	-73.18	155	1.4	0.5	197	12	LOS SANTOS (SANTANDER)
4479	Nov 21 2015	08:12:19.4	5.69	-72.65	Sup	2.3	0.7	164	40	MONGUA (BOYACA)
4480	Nov 21 2015	08:54: 3.1	7.89	-73.29	125	2.4	0.4	85	34	SAN ALBERTO (CESAR)
4481	Nov 21 2015	11:28:31.6	8.01	-74.95	45	1.7	0.1	163	8	NECHI (ANTIOQUIA)
4482	Nov 21 2015	11:44:23.7	6.79	-73.18	143	1.7	0.3	132	14	LOS SANTOS (SANTANDER)
4483	Nov 21 2015	13:44:31.3	6.80	-73.18	138	1.4	0.2	144	8	ZAPATOCA (SANTANDER)
4484	Nov 21 2015	14:00:21.3	3.86	-71.37	Sup	2.5	0.5	233	18	PUERTO GAITAN (META)
4485	Nov 21 2015	14:08:50.6	6.80	-73.15	147	2.0	0.4	135	20	LOS SANTOS (SANTANDER)
4486	Nov 21 2015	14:47:55.1	6.79	-73.14	141	2.3	0.5	137	32	LOS SANTOS (SANTANDER)
4487	Nov 21 2015	16:25: 0.0	10.02	-73.88	27	2.1	0.4	98	11	BOSCONIA (CESAR)
4488	Nov 21 2015	16:47:13.1	7.09	-76.24	Sup	2.2	0.5	209	20	DABEIBA (ANTIOQUIA)
4489	Nov 21 2015	16:56: 3.9	7.06	-76.22	12	1.9	0.4	235	10	DABEIBA (ANTIOQUIA)
4490	Nov 21 2015	17:25:10.7	6.72	-73.13	147	1.9	0.2	167	10	JORDAN (SANTANDER)
4491	Nov 21 2015	19:14:12.2	6.70	-76.73	12	1.8	0.4	153	14	VIGIA DEL FUERTE (ANTIOQUIA)
4492	Nov 21 2015	19:50:42.1	6.71	-73.48	112	1.7	0.3	146	12	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4493	Nov 21 2015	23:08:25.7	2.51	-75.67	12	2.2	0.3	122	14	TESALIA (HUILA)
4494	Nov 22 2015	00:44:58.4	6.78	-73.12	142	1.8	0.3	140	16	LOS SANTOS (SANTANDER)
4495	Nov 22 2015	01:58:23.5	6.83	-73.00	141	1.0	0.1	214	8	CEPITA (SANTANDER)
4496	Nov 22 2015	02:27:34.0	7.05	-76.17	Sup	1.7	0.3	231	10	DABEIBA (ANTIOQUIA)
4497	Nov 22 2015	03:07:53.7	2.75	-74.53	Sup	2.3	0.4	108	16	URIBE (META)
4498	Nov 22 2015	03:26: 2.8	6.78	-73.13	145	1.5	0.3	201	10	LOS SANTOS (SANTANDER)
4499	Nov 22 2015	04:39:37.6	3.83	-71.36	Sup	2.3	0.6	234	15	PUERTO GAITAN (META)
4500	Nov 22 2015	04:55:42.1	0.73	-75.63	Sup	2.1	0.4	149	9	SOLITA (CAQUETA)
4501	Nov 22 2015	05:12:17.8	6.80	-73.08	144	1.8	0.4	189	21	LOS SANTOS (SANTANDER)
4502	Nov 22 2015	05:33: 5.4	3.79	-71.33	Sup	1.7	0.0	266	6	PUERTO GAITAN (META)
4503	Nov 22 2015	05:59:26.1	3.97	-76.23	125	1.9	0.3	176	13	SAN PEDRO (VALLE)
4504	Nov 22 2015	06:37:51.6	6.82	-73.12	154	1.6	0.7	138	17	LOS SANTOS (SANTANDER)
4505	Nov 22 2015	07:03:32.0	8.35	-73.81	80	1.4	0.5	133	15	GAMARRA (CESAR)
4506	Nov 22 2015	07:49:45.3	6.96	-74.84	15	3.2	0.7	47	0	REMEDIOS (ANTIOQUIA)
4507	Nov 22 2015	07:49:45.3	6.96	-74.84	15	3.2	0.7	47	53	REMEDIOS (ANTIOQUIA)
4508	Nov 22 2015	07:55: 2.7	7.22	-73.89	82	1.1	0.2	155	8	PUERTO WILCHES (SANTANDER)
4509	Nov 22 2015	07:55:23.8	6.82	-73.02	155	1.6	0.4	152	16	CEPITA (SANTANDER)
4510	Nov 22 2015	08:09:27.3	6.60	-73.36	125	1.7	0.5	65	18	GALAN (SANTANDER)
4511	Nov 22 2015	09:18:29.1	6.80	-73.13	148	2.3	0.6	66	35	LOS SANTOS (SANTANDER)
4512	Nov 22 2015	09:55:36.2	6.80	-73.08	150	1.5	0.4	206	12	LOS SANTOS (SANTANDER)
4513	Nov 22 2015	11:20: 3.6	6.79	-73.15	151	1.7	0.4	147	11	LOS SANTOS (SANTANDER)
4514	Nov 22 2015	11:25:14.4	7.65	-75.11	18	2.9	0.5	77	28	CACERES (ANTIOQUIA)
4515	Nov 22 2015	12:23:19.6	7.44	-78.33	Sup	2.9	0.4	280	12	O. PACIFICO (FRONTERA CON PANAMA)
4516	Nov 22 2015	12:40:23.0	4.13	-76.47	134	2.3	0.4	234	11	TRUJILLO (VALLE)
4517	Nov 22 2015	15:18: 2.0	6.83	-73.05	145	1.9	0.3	209	8	LOS SANTOS (SANTANDER)
4518	Nov 22 2015	16:33:50.6	6.82	-73.13	149	2.8	0.5	71	44	LOS SANTOS (SANTANDER)
4519	Nov 22 2015	16:44:25.1	7.08	-76.26	Sup	3.1	0.5	91	40	DABEIBA (ANTIOQUIA)
4520	Nov 22 2015	18:18:11.5	6.80	-73.16	142	2.4	0.4	134	28	LOS SANTOS (SANTANDER)
4521	Nov 22 2015	18:32:29.9	6.73	-73.12	144	1.8	0.4	143	16	JORDAN (SANTANDER)
4522	Nov 22 2015	18:32:29.4	6.80	-73.14	148	1.7	0.3	150	13	LOS SANTOS (SANTANDER)
4523	Nov 22 2015	18:34:31.6	6.87	-73.25	131	1.7	0.5	121	16	BETULIA (SANTANDER)
4524	Nov 22 2015	18:43:46.3	5.03	-77.72	Sup	2.0	0.5	327	9	O. PACIFICO CENTRO
4525	Nov 22 2015	19:43:47.4	6.79	-73.12	153	1.8	0.4	139	14	LOS SANTOS (SANTANDER)
4526	Nov 23 2015	03:47:38.1	6.74	-73.11	144	1.3	0.2	142	10	LOS SANTOS (SANTANDER)
4527	Nov 23 2015	03:50:25.4	6.79	-73.19	142	1.8	0.4	130	22	ZAPATOCA (SANTANDER)
4528	Nov 23 2015	03:58:11.2	6.77	-73.15	139	1.6	0.4	136	16	LOS SANTOS (SANTANDER)
4529	Nov 23 2015	04:33:23.8	6.80	-73.15	150	2.3	0.4	65	42	LOS SANTOS (SANTANDER)
4530	Nov 23 2015	04:49:41.7	7.31	-77.30	19	2.1	0.5	93	25	RIOSUCIO (CHOCO)
4531	Nov 23 2015	05:26: 9.9	6.85	-73.15	149	1.5	0.3	144	8	LOS SANTOS (SANTANDER)
4532	Nov 23 2015	05:43:11.9	6.59	-73.32	12	0.9	0.3	162	8	GALAN (SANTANDER)
4533	Nov 23 2015	06:17:41.3	6.78	-73.15	145	1.5	0.4	136	14	LOS SANTOS (SANTANDER)
4534	Nov 23 2015	07:24: 8.7	7.14	-76.86	Sup	1.7	0.6	155	17	MURINDO (ANTIOQUIA)
4535	Nov 23 2015	08:39: 6.6	10.67	-73.79	32	1.5	0.5	192	10	PUEBLO BELLO (CESAR)
4536	Nov 23 2015	09:49:24.0	6.80	-73.05	146	1.7	0.5	149	12	LOS SANTOS (SANTANDER)
4537	Nov 23 2015	11:42:15.8	6.77	-73.14	148	2.1	0.5	137	22	LOS SANTOS (SANTANDER)
4538	Nov 23 2015	12:15:57.9	3.90	-71.50	Sup	2.8	0.6	122	28	PUERTO GAITAN (META)
4539	Nov 23 2015	12:23:15.6	6.77	-73.13	144	1.7	0.4	244	9	LOS SANTOS (SANTANDER)
4540	Nov 23 2015	12:31:12.7	6.82	-73.06	149	2.3	0.6	125	31	LOS SANTOS (SANTANDER)
4541	Nov 23 2015	13:10:51.4	6.84	-73.12	146	2.0	0.3	153	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4542	Nov 23 2015	20:03:19.4	1.93	-75.99	Sup	1.6	0.3	204	9	TIMANA (HUILA)
4543	Nov 23 2015	21:10: 7.1	7.46	-73.30	105	1.8	0.4	132	10	EL PLAYON (SANTANDER)
4544	Nov 23 2015	22:12:53.4	1.88	-76.08	Sup	1.8	0.3	159	16	PITALITO (HUILA)
4545	Nov 23 2015	22:41:33.0	10.26	-73.46	101	2.1	0.5	115	16	PUEBLO BELLO (CESAR)
4546	Nov 24 2015	00:46: 2.9	7.46	-73.18	134	2.5	0.5	73	41	EL PLAYON (SANTANDER)
4547	Nov 24 2015	01:03:15.6	3.48	-76.91	24	2.1	0.4	217	20	DAGUA (VALLE)
4548	Nov 24 2015	01:07:33.7	7.69	-73.75	23	1.3	0.3	169	10	SAN PABLO (BOLIVAR)
4549	Nov 24 2015	01:51: 9.2	6.81	-73.12	153	2.7	0.6	53	51	LOS SANTOS (SANTANDER)
4550	Nov 24 2015	03:33:28.8	7.44	-73.20	135	1.9	0.5	110	20	EL PLAYON (SANTANDER)
4551	Nov 24 2015	04:16:23.5	3.21	-75.24	Sup	1.5	0.5	92	18	AIPE (HUILA)
4552	Nov 24 2015	04:17:37.0	6.54	-73.51	121	1.5	0.2	123	10	EL CARMEN (SANTANDER)
4553	Nov 24 2015	04:38:20.5	6.77	-73.15	154	1.5	0.4	199	16	LOS SANTOS (SANTANDER)
4554	Nov 24 2015	05:21:56.0	6.78	-73.14	145	1.3	0.4	137	16	LOS SANTOS (SANTANDER)
4555	Nov 24 2015	06:31:13.2	6.71	-73.18	147	1.1	0.3	196	10	VILLANUEVA (SANTANDER)
4556	Nov 24 2015	06:39:37.8	6.81	-73.16	141	1.6	0.5	133	20	LOS SANTOS (SANTANDER)
4557	Nov 24 2015	06:50:50.4	6.79	-73.11	154	1.4	0.3	203	12	LOS SANTOS (SANTANDER)
4558	Nov 24 2015	07:46:41.1	6.80	-73.15	147	1.8	0.4	135	25	LOS SANTOS (SANTANDER)
4559	Nov 24 2015	09:18:35.0	6.81	-73.12	150	2.1	0.4	139	40	LOS SANTOS (SANTANDER)
4560	Nov 24 2015	09:42:32.0	6.87	-73.31	120	1.9	0.5	101	30	BETULIA (SANTANDER)
4561	Nov 24 2015	11:24:34.8	6.80	-73.14	145	2.3	0.4	137	31	LOS SANTOS (SANTANDER)
4562	Nov 24 2015	12:00:40.4	4.77	-74.77	Sup	1.9	0.4	176	12	AMBALEMA (TOLIMA)
4563	Nov 24 2015	12:30:16.8	0.71	-78.66	Sup	2.4	0.5	163	14	FRONTERA CON ECUADOR
4564	Nov 24 2015	14:10:40.8	6.33	-73.61	108	2.0	0.4	84	22	SANTA HELENA DEL OPON (SANTANDER)
4565	Nov 24 2015	16:14:49.1	7.20	-74.71	44	2.3	0.5	80	30	SEGOVIA (ANTIOQUIA)
4566	Nov 24 2015	16:31:15.8	6.78	-73.14	142	1.9	0.3	138	10	LOS SANTOS (SANTANDER)
4567	Nov 24 2015	16:53:52.7	3.86	-71.39	Sup	2.7	0.6	275	19	PUERTO GAITAN (META)
4568	Nov 24 2015	17:49:10.7	6.80	-73.15	142	2.0	0.5	182	18	LOS SANTOS (SANTANDER)
4569	Nov 24 2015	18:01:37.8	6.85	-73.17	134	1.9	0.2	199	8	ZAPATOCA (SANTANDER)
4570	Nov 24 2015	19:09: 9.1	9.97	-74.71	42	2.5	0.4	121	14	CHIVOLO (MAGDALENA)
4571	Nov 24 2015	19:15:24.5	6.79	-73.15	141	1.8	0.4	236	14	LOS SANTOS (SANTANDER)
4572	Nov 24 2015	21:13:49.6	5.72	-76.18	49	2.6	0.3	224	12	EL CARMEN (CHOCO)
4573	Nov 25 2015	01:53:22.0	4.80	-74.85	26	1.4	0.2	183	8	LERIDA (TOLIMA)
4574	Nov 25 2015	02:19:38.1	2.03	-76.12	Sup	1.2	0.5	194	9	SALADOBLANCO (HUILA)
4575	Nov 25 2015	02:58:59.8	6.80	-73.17	146	2.5	0.4	70	49	LOS SANTOS (SANTANDER)
4576	Nov 25 2015	03:59:46.9	6.75	-73.15	151	1.4	0.4	200	10	LOS SANTOS (SANTANDER)
4577	Nov 25 2015	04:28:27.0	6.82	-73.10	145	1.8	0.5	140	14	LOS SANTOS (SANTANDER)
4578	Nov 25 2015	05:49:56.8	5.63	-74.37	85	2.1	0.4	89	18	YACOPI (CUNDINAMARCA)
4579	Nov 25 2015	07:27:42.2	4.90	-76.15	107	1.4	0.4	129	8	SAN JOSE DEL PALMAR (CHOCO)
4580	Nov 25 2015	07:39:22.2	6.83	-74.26	64	3.0	0.5	63	51	PUERTO PARRA (SANTANDER)
4581	Nov 25 2015	08:11:39.5	4.74	-76.28	101	2.0	0.4	178	18	EL CAIRO (VALLE)
4582	Nov 25 2015	09:02:35.8	6.80	-73.15	145	1.8	0.3	182	16	LOS SANTOS (SANTANDER)
4583	Nov 25 2015	09:09:31.8	6.78	-73.17	140	2.2	0.3	134	24	LOS SANTOS (SANTANDER)
4584	Nov 25 2015	09:58:39.5	6.78	-73.18	152	1.7	0.5	197	12	LOS SANTOS (SANTANDER)
4585	Nov 25 2015	10:09:28.9	4.62	-76.16	121	1.9	0.4	140	18	VERSALLES (VALLE)
4586	Nov 25 2015	11:54:25.8	5.28	-74.46	Sup	1.6	0.4	164	15	CAPARRAPI (CUNDINAMARCA)
4587	Nov 25 2015	12:36:16.7	6.81	-73.13	147	2.4	0.4	184	33	LOS SANTOS (SANTANDER)
4588	Nov 25 2015	13:03: 7.7	6.16	-73.77	99	2.1	0.4	108	25	LANDAZURI (SANTANDER)
4589	Nov 25 2015	13:23: 9.8	5.95	-73.74	111	2.3	0.5	121	29	GUAVATA (SANTANDER)
4590	Nov 25 2015	14:52:40.6	6.84	-73.10	153	1.7	0.2	249	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4591	Nov 25 2015	15:13:32.3	6.66	-76.72	12	2.1	0.4	128	22	VIGIA DEL FUERTE (ANTIOQUIA)
4592	Nov 25 2015	17:16:53.7	6.49	-73.51	107	1.9	0.3	141	20	SANTA HELENA DEL OPOON (SANTANDER)
4593	Nov 25 2015	19:52:51.6	6.75	-73.14	140	1.9	0.4	155	16	LOS SANTOS (SANTANDER)
4594	Nov 25 2015	20:21:26.8	8.99	-75.14	15	2.9	0.6	94	37	EL ROBLE (SUCRE)
4595	Nov 25 2015	21:08:53.8	6.80	-73.16	138	1.8	0.4	145	12	LOS SANTOS (SANTANDER)
4596	Nov 25 2015	21:54:39.1	6.82	-73.15	145	3.0	0.5	118	47	LOS SANTOS (SANTANDER)
4597	Nov 25 2015	22:39:33.1	6.86	-76.77	22	2.3	0.5	140	16	MURINDO (ANTIOQUIA)
4598	Nov 25 2015	22:43:55.2	5.84	-74.80	Sup	1.7	0.7	167	19	PUERTO TRIUNFO (ANTIOQUIA)
4599	Nov 26 2015	02:51:41.1	6.79	-73.16	140	2.1	0.5	199	28	LOS SANTOS (SANTANDER)
4600	Nov 26 2015	03:05:23.2	6.56	-73.47	113	2.0	0.5	65	30	EL CARMEN (SANTANDER)
4601	Nov 26 2015	04:59:18.3	5.24	-75.35	108	1.7	0.3	155	16	MARULANDA (CALDAS)
4602	Nov 26 2015	06:32:36.4	6.91	-76.78	22	2.2	0.6	89	30	MURINDO (ANTIOQUIA)
4603	Nov 26 2015	07:44: 4.9	2.08	-76.02	8	1.6	0.1	195	8	OPORAPA (HUILA)
4604	Nov 26 2015	08:22:13.8	6.83	-73.19	139	2.1	0.5	128	34	ZAPATOCA (SANTANDER)
4605	Nov 26 2015	08:43:13.2	4.27	-75.94	150	1.4	0.5	117	10	SEVILLA (VALLE)
4606	Nov 26 2015	10:10: 2.3	7.13	-75.62	Sup	1.9	0.4	110	22	BRICENO (ANTIOQUIA)
4607	Nov 26 2015	13:14: 0.7	6.75	-73.16	144	1.9	0.4	136	18	LOS SANTOS (SANTANDER)
4608	Nov 26 2015	13:40: 9.3	6.83	-73.10	153	3.7	0.6	53	0	LOS SANTOS (SANTANDER)
4609	Nov 26 2015	13:40: 9.3	6.83	-73.10	153	3.7	0.6	53	81	LOS SANTOS (SANTANDER)
4610	Nov 26 2015	15:39:50.5	6.43	-76.51	Sup	2.4	0.5	81	35	URRAO (ANTIOQUIA)
4611	Nov 26 2015	17:10:28.2	6.81	-73.13	149	2.0	0.4	153	15	LOS SANTOS (SANTANDER)
4612	Nov 26 2015	19:23:42.4	5.45	-73.81	139	2.0	0.5	160	26	SUSA (CUNDINAMARCA)
4613	Nov 26 2015	21:55:31.8	11.18	-72.83	Sup	1.7	0.5	149	9	MANAURE BALCON CESAR (CESAR)
4614	Nov 26 2015	22:43:58.1	6.76	-73.17	143	1.4	0.4	232	10	LOS SANTOS (SANTANDER)
4615	Nov 26 2015	23:06:13.1	6.82	-73.19	138	1.8	0.4	197	16	ZAPATOCA (SANTANDER)
4616	Nov 27 2015	00:20:16.0	6.74	-73.13	134	1.8	0.4	141	20	LOS SANTOS (SANTANDER)
4617	Nov 27 2015	00:23:32.1	6.81	-73.20	140	1.4	0.4	128	13	ZAPATOCA (SANTANDER)
4618	Nov 27 2015	00:38: 1.5	8.96	-75.15	14	2.2	0.3	109	16	SAN BENITO ABAD (SUCRE)
4619	Nov 27 2015	01:59:46.2	7.78	-72.85	26	1.9	0.4	211	14	SALAZAR (N.SANTANDER)
4620	Nov 27 2015	03:48:24.2	6.79	-73.18	149	1.4	0.3	198	10	LOS SANTOS (SANTANDER)
4621	Nov 27 2015	05:22:34.1	6.82	-73.21	141	1.5	0.4	126	13	ZAPATOCA (SANTANDER)
4622	Nov 27 2015	05:46:43.9	5.38	-77.97	36	1.8	0.3	263	10	O. PACIFICO CENTRO
4623	Nov 27 2015	06:28:22.7	7.59	-73.81	6	1.3	0.4	160	10	SAN PABLO (BOLIVAR)
4624	Nov 27 2015	07:23:34.8	8.12	-76.33	Sup	1.4	0.4	243	7	SAN PEDRO DE URABA (ANTIOQUIA)
4625	Nov 27 2015	07:32:25.3	5.24	-73.74	145	1.8	0.5	105	28	CUCUNUBA (CUNDINAMARCA)
4626	Nov 27 2015	08:42: 5.9	3.76	-75.69	Sup	1.6	0.4	101	12	CHAPARRAL (TOLIMA)
4627	Nov 27 2015	09:53:51.2	3.85	-76.70	99	2.3	0.5	203	20	RESTREPO (VALLE)
4628	Nov 27 2015	09:54:57.2	6.77	-71.86	Sup	2.4	0.4	134	28	FORTUL (ARAUCA)
4629	Nov 27 2015	10:10:51.0	6.81	-73.15	148	1.5	0.4	135	20	LOS SANTOS (SANTANDER)
4630	Nov 27 2015	12:14:44.4	6.78	-73.16	146	1.5	0.3	135	8	LOS SANTOS (SANTANDER)
4631	Nov 27 2015	14:42:48.8	5.28	-75.46	Sup	1.7	0.6	72	23	ARANZAZU (CALDAS)
4632	Nov 27 2015	15:13:20.3	5.29	-75.47	Sup	1.4	0.3	74	16	ARANZAZU (CALDAS)
4633	Nov 27 2015	15:47: 3.8	4.74	-75.20	Sup	1.9	0.6	140	22	SANTA ISABEL (TOLIMA)
4634	Nov 27 2015	16:32: 3.1	6.76	-73.10	134	1.5	0.5	143	12	LOS SANTOS (SANTANDER)
4635	Nov 27 2015	19:26:12.4	5.06	-74.67	Sup	2.3	0.5	76	42	GUADUAS (CUNDINAMARCA)
4636	Nov 27 2015	19:37:59.0	6.87	-73.44	112	2.1	0.4	80	22	SAN VICENTE DE CHUCURI (SANTANDER)
4637	Nov 27 2015	20:01:41.1	6.53	-73.57	106	2.1	0.5	63	28	EL CARMEN (SANTANDER)
4638	Nov 27 2015	21:59:56.7	6.00	-73.88	Sup	1.3	0.3	111	9	EL PENON (SANTANDER)
4639	Nov 27 2015	22:07:42.1	6.83	-73.15	147	2.1	0.5	134	24	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4640	Nov 27 2015	23:45:40.9	6.77	-73.16	145	1.7	0.5	136	20	LOS SANTOS (SANTANDER)
4641	Nov 28 2015	00:42:52.4	6.97	-76.68	Sup	1.9	0.6	137	18	MURINDO (ANTIOQUIA)
4642	Nov 28 2015	01:26: 2.0	6.72	-73.14	146	1.2	0.5	232	8	JORDAN (SANTANDER)
4643	Nov 28 2015	01:44:59.6	2.58	-75.49	15	1.4	0.3	76	14	HOBO (HUILA)
4644	Nov 28 2015	02:16:47.2	6.83	-73.17	144	2.3	0.4	131	40	ZAPATOCA (SANTANDER)
4645	Nov 28 2015	02:20:57.7	6.83	-73.18	140	1.7	0.5	130	17	ZAPATOCA (SANTANDER)
4646	Nov 28 2015	02:48:49.0	5.28	-75.47	Sup	1.1	0.5	148	12	ARANZAZU (CALDAS)
4647	Nov 28 2015	03:36:56.7	6.75	-73.14	147	1.4	0.1	234	10	LOS SANTOS (SANTANDER)
4648	Nov 28 2015	04:18:49.9	7.77	-73.33	118	1.6	0.5	123	12	SAN ALBERTO (CESAR)
4649	Nov 28 2015	04:24: 2.6	6.75	-73.21	145	1.3	0.2	222	8	ZAPATOCA (SANTANDER)
4650	Nov 28 2015	05:16: 8.3	6.83	-73.17	139	2.0	0.4	131	24	ZAPATOCA (SANTANDER)
4651	Nov 28 2015	05:55:31.3	6.78	-73.16	143	1.9	0.4	134	16	LOS SANTOS (SANTANDER)
4652	Nov 28 2015	06:53:20.2	6.25	-76.68	48	1.4	0.3	96	17	MEDIO ATRATO (CHOCO)
4653	Nov 28 2015	06:54:46.6	6.23	-76.66	62	1.5	0.4	98	15	MEDIO ATRATO (CHOCO)
4654	Nov 28 2015	07:03:20.8	5.16	-73.04	Sup	1.5	0.5	159	12	PAEZ (BOYACA)
4655	Nov 28 2015	07:58:10.2	6.78	-73.16	147	1.7	0.4	135	14	LOS SANTOS (SANTANDER)
4656	Nov 28 2015	08:51: 9.8	7.91	-74.89	29	1.7	0.3	146	10	NECHI (ANTIOQUIA)
4657	Nov 28 2015	10:19:29.5	6.81	-73.09	142	1.3	0.4	248	12	LOS SANTOS (SANTANDER)
<u>4658</u>	<u>Nov 28 2015</u>	<u>10:59:12.8</u>	<u>3.82</u>	<u>-71.35</u>	<u>Sup</u>	<u>4.8</u>	<u>0.6</u>	<u>191</u>	<u>0</u>	<u>PUERTO GAITAN (META)</u>
<u>4659</u>	<u>Nov 28 2015</u>	<u>10:59:12.8</u>	<u>3.82</u>	<u>-71.35</u>	<u>0</u>	<u>4.8</u>	<u>0.6</u>	<u>191</u>	<u>86</u>	<u>PUERTO GAITAN (META)</u>
4660	Nov 28 2015	11:30: 7.8	10.41	-73.33	92	1.7	0.6	128	10	LA PAZ (CESAR)
4661	Nov 28 2015	11:55: 7.6	4.66	-75.85	12	1.2	0.6	101	13	ALCALA (VALLE)
4662	Nov 28 2015	11:57: 3.3	3.78	-71.34	Sup	2.7	0.6	236	32	PUERTO GAITAN (META)
4663	Nov 28 2015	12:05:48.1	3.79	-71.45	Sup	2.9	0.6	231	28	PUERTO GAITAN (META)
4664	Nov 28 2015	12:15:16.0	7.42	-74.76	39	1.8	0.4	82	17	ZARAGOZA (ANTIOQUIA)
4665	Nov 28 2015	13:10: 7.5	6.47	-73.86	21	1.9	0.4	78	15	CIMITARRA (SANTANDER)
4666	Nov 28 2015	13:48:42.7	3.88	-71.42	10	3.4	0.7	215	52	PUERTO GAITAN (META)
4667	Nov 28 2015	13:57:11.8	3.86	-71.44	Sup	2.8	0.5	242	16	PUERTO GAITAN (META)
4668	Nov 28 2015	14:05:56.3	6.75	-73.19	143	1.8	0.4	136	10	VILLANUEVA (SANTANDER)
4669	Nov 28 2015	14:39:22.0	4.93	-76.12	103	1.2	0.1	170	8	EL AGUILA (VALLE)
4670	Nov 28 2015	14:53: 5.8	5.76	-73.88	107	1.7	0.3	170	18	ALBANIA (SANTANDER)
4671	Nov 28 2015	14:58:50.5	2.47	-75.50	Sup	1.5	0.2	152	12	GIGANTE (HUILA)
4672	Nov 28 2015	15:03:23.4	6.71	-73.38	123	1.9	0.4	161	10	GALAN (SANTANDER)
4673	Nov 28 2015	15:13:12.4	5.31	-73.77	152	2.0	0.4	165	27	UBATE (CUNDINAMARCA)
4674	Nov 28 2015	15:57:28.7	6.58	-73.55	112	1.7	0.3	179	8	EL CARMEN (SANTANDER)
4675	Nov 28 2015	16:05:41.7	3.81	-71.32	Sup	3.1	0.7	220	40	PUERTO GAITAN (META)
4676	Nov 28 2015	17:28:13.6	3.83	-71.40	Sup	2.6	0.5	232	15	PUERTO GAITAN (META)
4677	Nov 28 2015	17:45: 3.8	6.81	-73.14	154	4.9	0.5	65	0	LOS SANTOS (SANTANDER)
<u>4678</u>	<u>Nov 28 2015</u>	<u>17:45: 3.8</u>	<u>6.81</u>	<u>-73.14</u>	<u>154</u>	<u>4.9</u>	<u>0.5</u>	<u>65</u>	<u>76</u>	<u>LOS SANTOS (SANTANDER)</u>
4679	Nov 28 2015	17:58:50.8	6.80	-73.14	146	3.2	0.5	65	0	LOS SANTOS (SANTANDER)
4680	Nov 28 2015	17:58:50.8	6.80	-73.14	146	3.2	0.5	65	46	LOS SANTOS (SANTANDER)
4681	Nov 28 2015	18:45: 7.9	6.83	-73.11	148	2.7	0.6	121	46	LOS SANTOS (SANTANDER)
4682	Nov 28 2015	19:54:33.0	6.82	-73.12	150	3.0	0.6	120	46	LOS SANTOS (SANTANDER)
4683	Nov 28 2015	20:13:28.7	9.52	-73.51	Sup	1.8	0.6	225	11	LA JAGUA DE IBIRICO (CESAR)
4684	Nov 28 2015	20:56:52.1	8.18	-77.50	74	2.1	0.4	217	19	FRONTERA CON PANAMA
4685	Nov 28 2015	21:06:30.3	4.02	-71.39	Sup	2.5	0.7	242	20	PUERTO GAITAN (META)
4686	Nov 28 2015	22:17:30.0	5.41	-74.38	Sup	1.8	0.6	120	16	LA PALMA (CUNDINAMARCA)
4687	Nov 28 2015	23:52: 0.8	6.80	-73.09	143	2.1	0.5	142	23	LOS SANTOS (SANTANDER)
4688	Nov 29 2015	00:16:26.9	5.66	-73.51	149	1.4	0.2	204	10	VILLA DE LEIVA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4689	Nov 29 2015	00:35:52.9	3.80	-71.37	Sup	2.8	0.6	195	45	PUERTO GAITAN (META)
4690	Nov 29 2015	01:09:55.7	6.82	-73.10	147	2.5	0.5	122	42	LOS SANTOS (SANTANDER)
4691	Nov 29 2015	01:41: 5.9	3.83	-71.36	Sup	2.4	0.4	194	21	PUERTO GAITAN (META)
4692	Nov 29 2015	02:17:57.5	6.52	-73.49	113	2.2	0.5	67	32	EL CARMEN (SANTANDER)
4693	Nov 29 2015	02:25: 7.4	6.84	-73.13	144	1.8	0.4	136	22	LOS SANTOS (SANTANDER)
4694	Nov 29 2015	03:27:48.9	6.83	-73.15	146	1.0	0.3	134	11	LOS SANTOS (SANTANDER)
4695	Nov 29 2015	03:59:23.5	6.83	-73.14	142	2.4	0.6	135	45	LOS SANTOS (SANTANDER)
4696	Nov 29 2015	04:30:26.2	3.80	-71.44	Sup	2.2	0.7	192	22	PUERTO GAITAN (META)
4697	Nov 29 2015	04:59:16.3	2.03	-75.93	Sup	1.1	0.2	208	8	ELIAS (HUILA)
4698	Nov 29 2015	05:06: 7.6	6.81	-73.15	138	2.4	0.5	135	44	LOS SANTOS (SANTANDER)
4699	Nov 29 2015	05:18:24.5	3.81	-71.42	Sup	2.2	0.4	231	12	PUERTO GAITAN (META)
4700	Nov 29 2015	05:27:46.6	6.80	-73.15	148	1.4	0.3	135	14	LOS SANTOS (SANTANDER)
4701	Nov 29 2015	05:47:47.5	7.40	-74.63	47	1.2	0.3	122	11	ZARAGOZA (ANTIOQUIA)
4702	Nov 29 2015	05:51:52.1	2.13	-75.69	18	1.6	0.3	211	8	GARZON (HUILA)
4703	Nov 29 2015	06:03:58.6	11.49	-74.23	12	1.4	0.4	234	10	MAR CARIBE
4704	Nov 29 2015	06:13:24.6	5.79	-76.84	Sup	1.3	0.3	160	12	MEDIO ATRATO (CHOCO)
4705	Nov 29 2015	06:25:55.6	6.76	-73.12	147	1.4	0.4	140	16	LOS SANTOS (SANTANDER)
4706	Nov 29 2015	06:55:15.5	7.90	-74.85	30	1.1	0.4	144	8	NECHI (ANTIOQUIA)
4707	Nov 29 2015	06:59: 7.3	8.73	-73.34	113	2.6	0.5	142	51	EL CARMEN (N.SANTANDER)
4708	Nov 29 2015	08:02:17.5	10.56	-73.93	24	1.3	0.4	177	8	PUEBLO BELLO (CESAR)
4709	Nov 29 2015	08:55:42.4	6.79	-73.14	146	1.3	0.3	138	16	LOS SANTOS (SANTANDER)
4710	Nov 29 2015	09:28:53.0	6.83	-73.11	146	1.6	0.4	138	20	LOS SANTOS (SANTANDER)
4711	Nov 29 2015	09:55:29.4	11.23	-72.36	30	3.2	0.5	130	47	MANAURE BALCON CESAR (CESAR)
4712	Nov 29 2015	10:07: 9.9	6.81	-73.16	139	2.0	0.5	133	26	LOS SANTOS (SANTANDER)
4713	Nov 29 2015	10:40:38.2	6.83	-73.16	145	3.0	0.4	69	51	LOS SANTOS (SANTANDER)
4714	Nov 29 2015	10:48:22.9	8.53	-77.97	Sup	2.3	0.4	149	12	FRONTERA CON PANAMA
4715	Nov 29 2015	10:52:54.1	0.12	-77.41	Sup	1.6	0.4	258	8	FRONTERA CON ECUADOR
4716	Nov 29 2015	12:03:58.1	6.74	-71.96	Sup	2.7	0.5	114	46	FORTUL (ARAUCA)
4717	Nov 29 2015	12:48:54.8	6.80	-73.16	147	2.1	0.4	134	26	LOS SANTOS (SANTANDER)
4718	Nov 29 2015	13:00: 0.4	7.40	-75.01	29	1.9	0.5	76	19	ZARAGOZA (ANTIOQUIA)
4719	Nov 29 2015	16:55:40.2	6.01	-72.56	19	1.4	0.3	263	10	SOCOTA (BOYACA)
4720	Nov 29 2015	17:10:22.8	4.93	-74.80	9	1.9	0.4	172	18	LERIDA (TOLIMA)
4721	Nov 29 2015	17:19:43.6	3.95	-71.52	Sup	2.4	0.6	238	12	PUERTO GAITAN (META)
4722	Nov 29 2015	18:38:12.7	4.21	-75.85	Sup	1.1	0.4	127	10	GENOVA (QUINDIO)
4723	Nov 29 2015	18:41:54.0	6.74	-73.15	144	1.5	0.3	138	10	LOS SANTOS (SANTANDER)
4724	Nov 29 2015	18:44:26.7	6.74	-73.16	148	1.8	0.4	137	11	LOS SANTOS (SANTANDER)
4725	Nov 29 2015	21:19:58.4	6.79	-73.11	147	2.3	0.5	140	31	LOS SANTOS (SANTANDER)
4726	Nov 29 2015	21:35:15.3	6.79	-73.14	147	1.9	0.4	136	20	LOS SANTOS (SANTANDER)
4727	Nov 29 2015	21:49:59.8	6.81	-73.16	146	2.0	0.5	133	16	LOS SANTOS (SANTANDER)
4728	Nov 29 2015	22:37: 8.3	6.81	-73.12	145	2.9	0.6	53	54	LOS SANTOS (SANTANDER)
4729	Nov 29 2015	23:56:11.2	6.79	-73.19	134	1.5	0.3	131	11	ZAPATOCA (SANTANDER)
4730	Nov 30 2015	01:06:46.4	6.77	-73.11	141	1.8	0.4	142	16	LOS SANTOS (SANTANDER)
4731	Nov 30 2015	01:50:26.2	6.85	-73.17	141	2.4	0.4	130	42	ZAPATOCA (SANTANDER)
4732	Nov 30 2015	02:36: 3.2	6.48	-73.30	38	1.3	0.3	109	10	SIMACOTA (SANTANDER)
4733	Nov 30 2015	02:37: 4.4	7.42	-74.77	52	1.1	0.1	159	6	ZARAGOZA (ANTIOQUIA)
4734	Nov 30 2015	02:40:51.4	6.95	-76.66	11	1.9	0.4	135	20	MURINDO (ANTIOQUIA)
4735	Nov 30 2015	02:47: 3.9	3.73	-71.43	Sup	2.5	0.5	263	17	PUERTO GAITAN (META)
4736	Nov 30 2015	03:08:53.8	6.77	-73.19	140	1.5	0.3	131	14	ZAPATOCA (SANTANDER)
4737	Nov 30 2015	03:39:22.3	10.02	-73.34	24	2.2	0.4	132	17	AGUSTIN CODAZZI (CESAR)
4738	Nov 30 2015	03:58:26.4	3.47	-74.16	Sup	2.2	0.6	60	42	MESETAS (META)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4739	Nov 30 2015	04:28:47.0	7.34	-76.56	Sup	1.7	0.4	168	14	MUTATA (ANTIOQUIA)
4740	Nov 30 2015	05:26:33.1	6.83	-73.16	143	2.1	0.4	132	36	LOS SANTOS (SANTANDER)
4741	Nov 30 2015	05:54:25.7	6.86	-73.00	136	1.6	0.4	225	12	CEPITA (SANTANDER)
4742	Nov 30 2015	06:32:34.1	6.85	-73.35	124	1.3	0.4	167	10	SAN VICENTE DE CHUCURI (SANTANDER)
4743	Nov 30 2015	06:56: 9.1	6.78	-73.13	143	1.5	0.4	184	16	LOS SANTOS (SANTANDER)
4744	Nov 30 2015	07:17:49.9	6.82	-73.16	144	1.6	0.4	181	20	LOS SANTOS (SANTANDER)
4745	Nov 30 2015	07:50:20.2	6.79	-73.11	146	1.5	0.4	186	14	LOS SANTOS (SANTANDER)
4746	Nov 30 2015	08:42:38.5	6.54	-73.55	116	1.6	0.3	223	8	EL CARMEN (SANTANDER)
4747	Nov 30 2015	08:52:22.4	6.71	-72.25	20	1.4	0.4	260	13	CHISCAS (BOYACA)
4748	Nov 30 2015	08:55: 0.7	3.87	-76.27	116	1.6	0.2	232	8	BUGA (VALLE)
4749	Nov 30 2015	09:22:18.1	2.95	-74.75	Sup	1.7	0.4	142	12	BARAYA (HUILA)
4750	Nov 30 2015	10:40:32.3	8.73	-73.21	120	2.0	0.3	182	14	EL TARRA (N.SANTANDER)
4751	Nov 30 2015	11:29:40.8	2.37	-75.45	Sup	1.9	0.4	92	13	GIGANTE (HUILA)
4752	Nov 30 2015	11:41:38.3	5.30	-73.76	148	1.7	0.5	166	16	LENGUAZAUQUE (CUNDINAMARCA)
4753	Nov 30 2015	13:17:20.3	6.81	-73.13	150	3.3	0.5	66	58	LOS SANTOS (SANTANDER)
4754	Nov 30 2015	13:30:51.3	5.80	-75.93	52	2.2	0.4	103	17	HISPANIA (ANTIOQUIA)
4755	Nov 30 2015	14:08:35.1	6.82	-73.10	148	2.8	0.4	128	48	LOS SANTOS (SANTANDER)
4756	Nov 30 2015	17:09: 6.1	2.37	-75.42	18	2.1	0.4	177	14	GIGANTE (HUILA)
4757	Nov 30 2015	17:48:51.5	6.86	-73.14	143	1.9	0.5	134	19	LOS SANTOS (SANTANDER)
4758	Nov 30 2015	18:42:18.6	7.40	-74.04	69	2.0	0.4	76	23	CANTAGALLO (BOLIVAR)
4759	Nov 30 2015	18:43:18.4	6.76	-73.14	143	2.1	0.4	139	22	LOS SANTOS (SANTANDER)
4760	Nov 30 2015	18:50:33.7	6.57	-73.44	117	2.1	0.4	66	22	EL CARMEN (SANTANDER)
4761	Nov 30 2015	19:32:38.5	5.29	-73.80	153	1.8	0.4	164	16	UBATE (CUNDINAMARCA)
4762	Nov 30 2015	20:55:53.9	4.46	-76.22	104	1.8	0.3	174	18	EL DOVIO (VALLE)
4763	Nov 30 2015	21:51:48.7	6.83	-73.12	154	3.9	0.6	53	0	LOS SANTOS (SANTANDER)
4764	Nov 30 2015	21:51:48.7	6.83	-73.12	154	3.9	0.6	53	90	LOS SANTOS (SANTANDER)
4765	Nov 30 2015	22:03:47.4	6.79	-73.14	142	1.8	0.4	152	12	LOS SANTOS (SANTANDER)
4766	Nov 30 2015	22:04:47.9	6.83	-73.18	149	1.7	0.3	137	11	ZAPATOCA (SANTANDER)
4767	Nov 30 2015	22:11:46.1	3.13	-78.44	20	2.3	0.2	271	14	O. PACIFICO SUR
4768	Nov 30 2015	22:11:55.7	6.78	-73.09	146	1.6	0.4	144	11	LOS SANTOS (SANTANDER)
4769	Nov 30 2015	23:11:16.2	2.50	-75.42	17	1.4	0.3	249	8	HOBO (HUILA)
4770	Dic 1 2015	01:09:49.5	5.50	-76.32	24	1.5	0.4	225	11	BAGADO (CHOCO)
4771	Dic 1 2015	01:09:51.9	4.82	-74.51	12	1.8	0.5	113	10	BITUIMA (CUNDINAMARCA)
4772	Dic 1 2015	03:04:24.5	8.85	-76.52	54	2.2	0.5	242	22	MAR CARIBE
4773	Dic 1 2015	03:16:30.5	5.26	-73.75	146	2.4	0.5	76	44	CUCUNUBA (CUNDINAMARCA)
4774	Dic 1 2015	03:37:47.7	6.04	-73.88	99	1.5	0.4	105	16	EL PENON (SANTANDER)
4775	Dic 1 2015	03:38:15.3	6.83	-73.14	141	1.6	0.4	245	12	LOS SANTOS (SANTANDER)
4776	Dic 1 2015	04:03:36.3	6.77	-73.16	144	1.8	0.5	181	22	LOS SANTOS (SANTANDER)
4777	Dic 1 2015	04:17:26.9	4.34	-76.31	125	1.8	0.5	177	17	BOLIVAR (VALLE)
4778	Dic 1 2015	04:29:29.5	9.32	-77.21	83	2.5	0.4	167	29	MAR CARIBE
4779	Dic 1 2015	06:32:12.4	4.93	-74.86	8	2.2	0.6	81	37	LERIDA (TOLIMA)
4780	Dic 1 2015	07:44:44.0	4.42	-76.29	124	1.8	0.4	174	18	EL DOVIO (VALLE)
4781	Dic 1 2015	08:19:49.5	6.96	-74.85	23	3.0	0.5	47	0	REMEDIOS (ANTIOQUIA)
4782	Dic 1 2015	08:19:49.5	6.96	-74.85	23	3.0	0.5	47	43	REMEDIOS (ANTIOQUIA)
4783	Dic 1 2015	08:30:43.3	4.24	-76.18	141	1.4	0.3	140	12	BUGALAGRANDE (VALLE)
4784	Dic 1 2015	09:14:44.0	3.79	-71.53	Sup	2.2	0.6	227	11	PUERTO GAITAN (META)
4785	Dic 1 2015	09:25:42.0	8.17	-73.62	90	1.6	0.3	128	8	AGUACHICA (CESAR)
4786	Dic 1 2015	09:57:21.8	6.81	-73.12	148	2.6	0.5	138	36	LOS SANTOS (SANTANDER)
4787	Dic 1 2015	10:41:37.9	6.81	-73.15	148	2.2	0.4	134	30	LOS SANTOS (SANTANDER)
4788	Dic 1 2015	11:58:13.3	5.74	-73.86	111	2.4	0.5	52	34	ALBANIA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4789	Dic 1 2015	13:22:48.9	6.76	-73.17	141	1.8	0.3	239	8	LOS SANTOS (SANTANDER)
4790	Dic 1 2015	13:35: 3.7	5.67	-76.63	8	1.6	0.5	207	11	QUIBDO (CHOCO)
4791	Dic 1 2015	14:32: 5.1	6.85	-73.20	142	2.0	0.4	130	12	ZAPATOCA (SANTANDER)
4792	Dic 1 2015	15:07:37.3	4.97	-74.86	13	2.5	0.4	56	37	ARMERO (TOLIMA)
4793	Dic 1 2015	16:11:58.0	4.92	-74.83	10	1.8	0.4	169	18	LERIDA (TOLIMA)
4794	Dic 1 2015	19:18:32.9	5.56	-73.85	117	1.8	0.4	142	20	CALDAS (BOYACA)
4795	Dic 1 2015	19:26:18.4	4.77	-76.15	101	1.9	0.4	123	18	ARGELIA (VALLE)
4796	Dic 1 2015	20:19:22.7	6.77	-73.13	142	1.5	0.3	158	9	LOS SANTOS (SANTANDER)
4797	Dic 1 2015	21:57:59.5	6.80	-73.12	149	2.2	0.4	138	29	LOS SANTOS (SANTANDER)
4798	Dic 1 2015	22:23:59.4	7.82	-76.38	26	2.8	0.6	117	37	APARTADO (ANTIOQUIA)
4799	Dic 1 2015	22:26:26.9	6.38	-73.64	98	2.5	0.5	65	42	SANTA HELENA DEL OPON (SANTANDER)
4800	Dic 2 2015	00:03:16.9	4.41	-71.14	16	3.4	0.1	327	10	OROCUE (CASANARE)
4801	Dic 2 2015	00:40:47.1	6.86	-73.27	122	2.0	0.3	164	17	BETULIA (SANTANDER)
4802	Dic 2 2015	01:10:56.2	4.50	-74.75	6	2.0	0.5	58	29	GUATAQUI (CUNDINAMARCA)
4803	Dic 2 2015	02:27:46.1	6.37	-73.65	104	2.4	0.5	65	30	SANTA HELENA DEL OPON (SANTANDER)
4804	Dic 2 2015	03:20:52.3	6.81	-73.14	143	2.5	0.5	70	45	LOS SANTOS (SANTANDER)
4805	Dic 2 2015	04:03: 1.0	6.88	-73.13	152	1.6	0.3	216	8	LOS SANTOS (SANTANDER)
4806	Dic 2 2015	04:15:22.0	2.67	-79.35	Sup	2.2	0.3	267	18	O. PACIFICO SUR
4807	Dic 2 2015	05:20:39.9	8.36	-74.23	9	1.3	0.3	118	8	TIQUISIO (BOLIVAR)
4808	Dic 2 2015	05:53:19.8	6.80	-73.13	149	1.8	0.4	184	18	LOS SANTOS (SANTANDER)
4809	Dic 2 2015	06:45:14.7	6.82	-73.09	154	2.0	0.5	188	28	LOS SANTOS (SANTANDER)
4810	Dic 2 2015	07:42:11.1	6.82	-73.16	147	2.5	0.5	69	51	LOS SANTOS (SANTANDER)
4811	Dic 2 2015	10:12:50.0	6.87	-73.04	134	1.5	0.4	235	8	PIEDECUESTA (SANTANDER)
4812	Dic 2 2015	10:15: 4.7	6.78	-73.16	144	2.0	0.4	190	17	LOS SANTOS (SANTANDER)
4813	Dic 2 2015	10:49: 0.3	6.80	-73.14	143	1.9	0.5	215	10	LOS SANTOS (SANTANDER)
4814	Dic 2 2015	10:55:13.4	6.59	-74.16	25	1.5	0.4	84	12	PUERTO FARRA (SANTANDER)
4815	Dic 2 2015	10:59: 2.6	5.30	-77.71	29	1.8	0.4	245	10	O. PACIFICO CENTRO
4816	Dic 2 2015	12:36:23.6	6.81	-73.15	149	2.7	0.4	118	48	LOS SANTOS (SANTANDER)
4817	Dic 2 2015	13:18:21.2	5.40	-75.73	Sup	1.7	0.4	101	13	RIOSUCIO (CALDAS)
4818	Dic 2 2015	13:27:16.2	6.60	-73.20	146	2.1	0.2	160	10	CABRERA (SANTANDER)
4819	Dic 2 2015	14:22:51.8	5.52	-74.59	Sup	1.5	0.3	182	12	PUERTO SALGAR (CUNDINAMARCA)
4820	Dic 2 2015	14:59:27.4	6.80	-73.10	145	2.6	0.4	122	36	LOS SANTOS (SANTANDER)
4821	Dic 2 2015	16:01:18.1	7.51	-77.64	30	2.6	0.4	103	15	JURADO (CHOCO)
4822	Dic 2 2015	18:46:55.8	2.32	-75.66	11	1.8	0.4	129	20	GIGANTE (HUILA)
4823	Dic 2 2015	19:25:34.1	5.36	-73.75	149	2.1	0.5	174	24	FUQUENE (CUNDINAMARCA)
4824	Dic 2 2015	20:03:57.8	6.82	-73.11	154	3.4	0.5	53	72	LOS SANTOS (SANTANDER)
4825	Dic 2 2015	20:21:54.4	5.36	-74.38	19	1.7	0.4	151	12	LA PALMA (CUNDINAMARCA)
4826	Dic 2 2015	22:31:41.9	6.80	-73.16	143	2.8	0.5	134	34	LOS SANTOS (SANTANDER)
4827	Dic 3 2015	00:39:16.1	4.64	-76.73	14	1.7	0.5	119	22	SIPI (CHOCO)
4828	Dic 3 2015	00:49:31.9	6.81	-73.16	144	2.3	0.5	133	28	LOS SANTOS (SANTANDER)
4829	Dic 3 2015	01:54:35.4	4.34	-76.29	96	2.5	0.5	108	38	BOLIVAR (VALLE)
4830	Dic 3 2015	01:59:55.1	6.81	-73.15	142	2.3	0.5	134	27	LOS SANTOS (SANTANDER)
4831	Dic 3 2015	03:41:51.1	6.34	-76.08	21	1.3	0.1	278	10	URRAO (ANTIOQUIA)
4832	Dic 3 2015	04:20:54.2	3.45	-77.05	54	1.2	0.2	230	10	DAGUA (VALLE)
4833	Dic 3 2015	04:39:44.4	3.57	-77.51	32	1.6	0.2	262	10	O. PACIFICO SUR
4834	Dic 3 2015	04:43:37.5	3.50	-74.52	14	1.5	0.4	145	10	COLOMBIA (HUILA)
4835	Dic 3 2015	04:48:14.2	7.34	-76.46	14	1.5	0.4	284	7	MUTATA (ANTIOQUIA)
4836	Dic 3 2015	04:53:18.1	5.26	-73.71	148	2.8	0.5	65	51	LENGUAZQUE (CUNDINAMARCA)
4837	Dic 3 2015	05:25: 4.2	6.79	-73.14	148	2.1	0.6	137	26	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4838	Dic 3 2015	05:46: 9.6	6.94	-77.45	Sup	2.1	0.5	138	16	JURADO (CHOCO)
4839	Dic 3 2015	06:13:30.4	7.53	-73.73	95	1.1	0.2	164	7	SAN PABLO (BOLIVAR)
4840	Dic 3 2015	06:16:56.6	6.82	-73.19	142	2.3	0.5	129	28	ZAPATOCA (SANTANDER)
4841	Dic 3 2015	06:26:42.7	6.81	-73.15	133	1.7	0.3	135	11	LOS SANTOS (SANTANDER)
4842	Dic 3 2015	06:40: 7.3	6.81	-73.10	148	2.0	0.5	187	28	LOS SANTOS (SANTANDER)
4843	Dic 3 2015	07:21:53.0	5.16	-72.99	Sup	1.6	0.5	145	14	PAEZ (BOYACA)
4844	Dic 3 2015	08:01:35.2	5.83	-74.27	Sup	1.3	0.5	77	15	OTANCHE (BOYACA)
4845	Dic 3 2015	08:21:44.6	3.37	-74.64	Sup	2.6	0.5	100	35	COLOMBIA (HUILA)
4846	Dic 3 2015	08:58:44.4	6.77	-73.20	141	1.7	0.3	229	15	ZAPATOCA (SANTANDER)
4847	Dic 3 2015	09:15: 0.2	6.82	-73.13	145	2.2	0.5	136	42	LOS SANTOS (SANTANDER)
4848	Dic 3 2015	09:23:18.9	6.77	-73.18	152	1.5	0.5	240	10	LOS SANTOS (SANTANDER)
4849	Dic 3 2015	11:32:53.8	5.74	-75.94	37	1.4	0.4	130	10	BETANIA (ANTIOQUIA)
4850	Dic 3 2015	11:33: 2.7	8.02	-74.42	53	3.0	0.4	46	47	MONTECRISTO (BOLIVAR)
4851	Dic 3 2015	12:04: 2.3	6.36	-73.54	109	1.8	0.4	78	20	SANTA HELENA DEL OPOON (SANTANDER)
4852	Dic 3 2015	13:17:40.0	6.73	-73.19	145	1.7	0.4	227	12	VILLANUEVA (SANTANDER)
4853	Dic 3 2015	16:43: 5.3	5.93	-73.68	111	1.5	0.3	150	8	GUAVATA (SANTANDER)
4854	Dic 3 2015	18:46: 7.9	6.59	-73.60	108	1.8	0.3	102	13	EL CARMEN (SANTANDER)
4855	Dic 3 2015	19:14:22.5	6.85	-73.18	149	1.8	0.5	238	12	ZAPATOCA (SANTANDER)
4856	Dic 3 2015	19:17: 9.0	6.80	-73.10	147	2.5	0.5	185	26	LOS SANTOS (SANTANDER)
4857	Dic 3 2015	19:30:36.0	6.72	-73.16	134	2.0	0.4	230	19	VILLANUEVA (SANTANDER)
4858	Dic 3 2015	19:47: 7.9	6.86	-73.34	122	2.0	0.5	148	18	BETULIA (SANTANDER)
4859	Dic 3 2015	21:27:37.0	5.42	-75.00	Sup	2.6	0.5	54	41	SAMANA (CALDAS)
4860	Dic 3 2015	21:35:24.1	6.81	-73.09	147	1.9	0.4	189	19	LOS SANTOS (SANTANDER)
4861	Dic 3 2015	22:41:50.2	8.09	-74.77	21	1.8	0.4	97	14	NECHI (ANTIOQUIA)
4862	Dic 3 2015	23:07:21.9	5.92	-73.50	131	2.3	0.5	118	29	TOGUI (BOYACA)
4863	Dic 4 2015	00:59:43.6	5.16	-74.87	15	1.1	0.4	164	14	MARIQUITA (TOLIMA)
4864	Dic 4 2015	01:40: 5.0	4.71	-76.17	98	1.3	0.2	139	8	ARGELIA (VALLE)
4865	Dic 4 2015	04:26:10.3	6.80	-73.16	145	1.5	0.4	199	11	LOS SANTOS (SANTANDER)
4866	Dic 4 2015	04:34: 0.1	6.80	-73.14	149	1.4	0.5	238	11	LOS SANTOS (SANTANDER)
4867	Dic 4 2015	04:35:53.2	6.76	-73.15	148	1.5	0.4	233	12	LOS SANTOS (SANTANDER)
4868	Dic 4 2015	04:45:41.7	3.25	-73.80	Sup	2.0	0.4	113	15	SAN JUAN DE ARAMA (META)
4869	Dic 4 2015	05:41:54.1	4.67	-76.21	121	3.3	0.6	77	73	EL CAIRO (VALLE)
4870	Dic 4 2015	06:02:42.7	3.81	-71.40	Sup	2.1	0.4	232	6	PUERTO GAITAN (META)
4871	Dic 4 2015	08:44:14.1	6.82	-73.15	146	1.7	0.5	182	14	LOS SANTOS (SANTANDER)
4872	Dic 4 2015	08:53:35.3	6.82	-73.10	145	2.4	0.6	122	43	LOS SANTOS (SANTANDER)
4873	Dic 4 2015	09:57:30.5	9.50	-73.49	48	2.4	0.4	214	10	LA JAGUA DE IBIRICO (CESAR)
4874	Dic 4 2015	10:05:23.3	5.71	-76.07	37	1.7	0.5	160	19	BETANIA (ANTIOQUIA)
4875	Dic 4 2015	11:06:49.6	6.81	-73.18	144	2.4	0.4	198	32	ZAPATOCA (SANTANDER)
4876	Dic 4 2015	11:56:23.5	6.73	-73.13	147	2.0	0.4	201	20	JORDAN (SANTANDER)
4877	Dic 4 2015	13:54: 4.4	6.82	-73.17	147	2.0	0.4	205	16	ZAPATOCA (SANTANDER)
4878	Dic 4 2015	14:37:59.3	6.80	-76.57	Sup	2.0	0.5	137	11	MURINDO (ANTIOQUIA)
4879	Dic 4 2015	15:13:22.5	7.88	-72.05	Sup	2.0	0.5	105	17	FRONTERA CON VENEZUELA
4880	Dic 4 2015	16:00:52.6	4.59	-76.24	123	2.5	0.4	152	30	VERSALLES (VALLE)
4881	Dic 4 2015	17:25:37.7	6.71	-73.07	139	1.9	0.2	191	9	JORDAN (SANTANDER)
4882	Dic 4 2015	17:58:55.9	9.82	-73.19	7	2.8	0.5	211	19	BECERRIL (CESAR)
4883	Dic 4 2015	18:03:41.2	6.76	-73.17	148	2.3	0.4	134	18	LOS SANTOS (SANTANDER)
4884	Dic 4 2015	19:27:41.2	6.79	-73.16	144	1.8	0.3	243	13	LOS SANTOS (SANTANDER)
4885	Dic 4 2015	23:07:44.2	6.80	-73.16	150	1.5	0.3	242	10	LOS SANTOS (SANTANDER)
4886	Dic 4 2015	23:09:25.1	6.79	-73.16	142	2.0	0.4	135	20	LOS SANTOS (SANTANDER)
4887	Dic 4 2015	23:13: 9.6	6.80	-73.10	147	1.8	0.4	204	17	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4888	Dic 4 2015	23:25:31.9	6.80	-73.14	146	1.7	0.4	201	16	LOS SANTOS (SANTANDER)
4889	Dic 4 2015	23:53:47.1	6.84	-73.14	144	2.5	0.5	70	46	LOS SANTOS (SANTANDER)
4890	Dic 4 2015	23:59: 3.6	3.75	-71.59	Sup	1.8	0.6	188	12	PUERTO GAITAN (META)
4891	Dic 5 2015	00:13:56.0	4.38	-76.32	125	3.1	0.5	98	0	BOLIVAR (VALLE)
4892	Dic 5 2015	00:13:56.0	4.38	-76.32	125	3.1	0.5	98	56	BOLIVAR (VALLE)
4893	Dic 5 2015	01:59:55.0	6.82	-73.14	148	2.3	0.4	135	39	LOS SANTOS (SANTANDER)
4894	Dic 5 2015	03:41:54.4	11.41	-71.82	45	2.6	0.4	142	19	FRONTERA CON VENEZUELA
4895	Dic 5 2015	06:29:28.4	7.45	-73.15	139	1.6	0.4	116	16	EL PLAYON (SANTANDER)
4896	Dic 5 2015	09:18:23.9	6.75	-73.12	151	1.6	0.4	141	16	LOS SANTOS (SANTANDER)
4897	Dic 5 2015	09:34:18.6	3.74	-71.49	Sup	2.9	0.2	260	11	PUERTO GAITAN (META)
4898	Dic 5 2015	10:07:45.9	6.79	-73.22	143	1.4	0.4	191	10	ZAPATOCA (SANTANDER)
4899	Dic 5 2015	11:06:24.5	6.78	-73.13	151	1.7	0.3	201	14	LOS SANTOS (SANTANDER)
4900	Dic 5 2015	11:47:55.5	6.83	-73.17	144	2.3	0.4	132	32	ZAPATOCA (SANTANDER)
4901	Dic 5 2015	12:27:31.3	4.48	-75.68	Sup	1.8	0.4	164	10	ARMENIA (QUINDIO)
4902	Dic 5 2015	13:07:13.3	6.77	-73.14	138	2.3	0.3	138	24	LOS SANTOS (SANTANDER)
4903	Dic 5 2015	13:40:45.0	2.91	-74.82	7	1.4	0.2	271	8	BARAYA (HUILA)
4904	Dic 5 2015	14:50:56.2	6.80	-73.17	146	2.2	0.4	133	18	LOS SANTOS (SANTANDER)
4905	Dic 5 2015	14:54:43.1	4.42	-75.68	Sup	1.2	0.2	157	8	CORDOBA (QUINDIO)
4906	Dic 5 2015	15:32:27.0	6.80	-73.12	149	2.7	0.4	139	33	LOS SANTOS (SANTANDER)
4907	Dic 5 2015	16:09:30.4	6.98	-73.90	88	1.9	0.4	67	14	YONDO (ANTIOQUIA)
4908	Dic 5 2015	17:25:14.1	7.29	-78.57	Sup	2.8	0.4	204	15	JURADO (CHOCO)
4909	Dic 5 2015	18:35:15.8	6.72	-73.20	150	1.8	0.2	221	14	VILLANUEVA (SANTANDER)
4910	Dic 5 2015	22:07:27.1	6.82	-73.10	148	2.4	0.6	122	35	LOS SANTOS (SANTANDER)
4911	Dic 6 2015	00:12:53.3	7.96	-73.23	132	2.1	0.5	133	18	ABREGO (N.SANTANDER)
4912	Dic 6 2015	00:20:12.4	6.82	-73.13	139	1.8	0.5	184	18	LOS SANTOS (SANTANDER)
4913	Dic 6 2015	01:58:21.2	6.81	-73.09	146	2.6	0.5	123	40	LOS SANTOS (SANTANDER)
4914	Dic 6 2015	03:24:54.5	6.80	-73.12	142	2.7	0.5	72	49	LOS SANTOS (SANTANDER)
4915	Dic 6 2015	03:33:37.5	6.80	-73.13	143	2.2	0.5	137	30	LOS SANTOS (SANTANDER)
4916	Dic 6 2015	03:38: 0.3	6.79	-73.16	140	1.7	0.4	135	28	LOS SANTOS (SANTANDER)
4917	Dic 6 2015	04:03:21.1	5.56	-77.98	22	1.8	0.3	267	8	O. PACIFICO CENTRO
4918	Dic 6 2015	04:23: 5.6	10.34	-72.88	Sup	2.6	0.4	136	22	FRONTERA CON VENEZUELA
4919	Dic 6 2015	04:32: 2.0	6.80	-73.12	147	2.7	0.5	139	35	LOS SANTOS (SANTANDER)
4920	Dic 6 2015	06:43:12.6	6.80	-73.16	139	2.1	0.5	133	36	LOS SANTOS (SANTANDER)
4921	Dic 6 2015	07:33:10.7	6.82	-73.12	146	1.9	0.5	138	28	LOS SANTOS (SANTANDER)
4922	Dic 6 2015	08:09: 3.8	6.78	-73.13	141	1.7	0.4	139	16	LOS SANTOS (SANTANDER)
4923	Dic 6 2015	08:42: 1.1	5.68	-74.02	105	1.5	0.4	193	10	SAN PABLO DE BORBUR (BOYACA)
4924	Dic 6 2015	08:56:18.9	6.83	-73.16	116	1.3	0.4	214	8	LOS SANTOS (SANTANDER)
4925	Dic 6 2015	09:58:58.1	6.80	-73.17	144	1.5	0.4	133	16	LOS SANTOS (SANTANDER)
4926	Dic 6 2015	10:06:29.0	6.81	-73.16	144	2.6	0.4	70	44	LOS SANTOS (SANTANDER)
4927	Dic 6 2015	11:09:10.2	7.49	-74.08	32	1.9	0.3	134	8	SAN PABLO (BOLIVAR)
4928	Dic 6 2015	11:10:19.2	6.79	-73.17	135	1.4	0.6	198	13	LOS SANTOS (SANTANDER)
4929	Dic 6 2015	11:14:36.2	7.68	-73.34	117	2.0	0.4	115	21	LA ESPERANZA (N.SANTANDER)
4930	Dic 6 2015	11:28:13.0	6.65	-73.36	123	1.8	0.1	146	8	GALAN (SANTANDER)
4931	Dic 6 2015	11:33:39.2	2.21	-79.24	26	3.1	0.5	261	33	O. PACIFICO SUR
4932	Dic 6 2015	11:33:57.1	6.77	-73.11	155	1.7	0.4	203	13	LOS SANTOS (SANTANDER)
4933	Dic 6 2015	17:42: 9.3	2.36	-79.74	75	3.2	0.3	269	36	O. PACIFICO SUR
4934	Dic 6 2015	18:04:32.9	2.45	-75.32	Sup	1.8	0.2	209	10	ALGECIRAS (HUILA)
4935	Dic 6 2015	18:04:36.1	6.67	-73.16	145	1.6	0.3	241	8	VILLANUEVA (SANTANDER)
4936	Dic 6 2015	18:26:34.0	6.78	-73.14	150	2.0	0.4	137	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4937	Dic 6 2015	18:43:27.1	7.52	-75.44	18	1.7	0.3	104	10	TARAZA (ANTIOQUIA)
4938	Dic 6 2015	20:03:55.2	6.48	-78.99	Sup	2.2	0.4	209	16	O. PACIFICO NORTE
4939	Dic 6 2015	20:19:50.4	5.29	-73.75	152	2.8	0.6	64	54	LENGUAZAQUE (CUNDINAMARCA)
4940	Dic 6 2015	20:40:33.9	3.25	-74.45	Sup	2.2	0.5	110	36	URIBE (META)
4941	Dic 6 2015	20:45: 6.7	6.82	-73.15	144	2.8	0.5	70	51	LOS SANTOS (SANTANDER)
4942	Dic 6 2015	21:07:37.3	5.46	-76.84	Sup	2.0	0.4	247	19	RIO QUITO (CHOCO)
4943	Dic 6 2015	21:24:52.5	6.79	-73.14	149	1.9	0.4	137	21	LOS SANTOS (SANTANDER)
4944	Dic 6 2015	21:26: 8.8	6.68	-73.17	140	1.4	0.3	150	8	VILLANUEVA (SANTANDER)
4945	Dic 6 2015	22:48:30.7	5.56	-76.42	Sup	1.3	0.4	247	14	LLORO (CHOCO)
4946	Dic 6 2015	23:14:40.4	8.31	-73.59	93	1.6	0.4	150	10	AGUACHICA (CESAR)
4947	Dic 6 2015	23:37: 5.9	4.67	-76.57	67	1.3	0.4	224	13	SIPI (CHOCO)
4948	Dic 7 2015	01:16:41.0	2.71	-75.03	Sup	1.9	0.5	105	23	RIVERA (HUILA)
4949	Dic 7 2015	01:33:44.3	4.89	-74.50	42	2.0	0.5	64	30	GUAYABAL DE SIQUIMA (CUNDINAMARCA)
4950	Dic 7 2015	01:37:48.6	4.55	-74.96	6	2.8	0.6	66	50	ALVARADO (TOLIMA)
4951	Dic 7 2015	02:02:24.0	3.21	-75.96	Sup	2.2	0.5	107	39	MIRANDA (CAUCA)
4952	Dic 7 2015	03:13:32.4	4.42	-75.66	Sup	1.1	0.4	97	14	CORDOBA (QUINDIO)
4953	Dic 7 2015	04:13:36.6	5.46	-73.81	141	1.5	0.4	152	12	SUSA (CUNDINAMARCA)
4954	Dic 7 2015	04:36:54.0	7.25	-76.73	Sup	1.9	0.4	275	15	MURINDO (ANTIOQUIA)
4955	Dic 7 2015	05:14:27.3	3.80	-71.43	Sup	2.2	0.5	231	13	PUERTO GAITAN (META)
4956	Dic 7 2015	05:31:16.8	6.88	-73.10	135	1.2	0.4	250	7	PIEDECUESTA (SANTANDER)
4957	Dic 7 2015	05:52:59.1	6.75	-73.17	137	1.2	0.3	138	7	LOS SANTOS (SANTANDER)
4958	Dic 7 2015	06:47: 1.8	6.81	-73.14	145	1.6	0.5	136	21	LOS SANTOS (SANTANDER)
4959	Dic 7 2015	07:09:49.0	6.82	-73.14	143	2.6	0.5	70	42	LOS SANTOS (SANTANDER)
4960	Dic 7 2015	08:27:15.5	7.33	-76.17	8	1.3	0.5	229	10	MUTATA (ANTIOQUIA)
4961	Dic 7 2015	08:38:13.4	6.80	-73.17	150	1.6	0.5	132	14	ZAPATOCA (SANTANDER)
4962	Dic 7 2015	09:55:44.8	7.31	-71.95	Sup	2.1	0.7	170	15	FRONTERA CON VENEZUELA
4963	Dic 7 2015	12:03:52.9	3.75	-75.71	Sup	1.1	0.4	142	8	CHAPARRAL (TOLIMA)
4964	Dic 7 2015	13:14:46.2	6.80	-73.11	151	2.8	0.5	122	42	LOS SANTOS (SANTANDER)
4965	Dic 7 2015	13:45:14.1	2.80	-75.79	15	1.5	0.2	240	8	IQUIRA (HUILA)
<u>4966</u>	<u>Dic 7 2015</u>	<u>17:10:13.7</u>	<u>3.82</u>	<u>-71.30</u>	<u>Sup</u>	<u>4.0</u>	<u>0.7</u>	<u>220</u>	<u>73</u>	<u>PUERTO GAITAN (META)</u>
4967	Dic 7 2015	17:45:49.9	3.87	-76.20	115	1.9	0.3	108	15	BUGA (VALLE)
4968	Dic 7 2015	18:00:10.9	4.80	-74.70	Sup	1.8	0.6	105	16	BELTRAN (CUNDINAMARCA)
4969	Dic 7 2015	18:12: 8.6	6.81	-73.11	146	3.3	0.5	54	55	LOS SANTOS (SANTANDER)
4970	Dic 7 2015	18:28:55.6	6.76	-73.14	137	1.9	0.2	156	11	LOS SANTOS (SANTANDER)
4971	Dic 7 2015	19:26:33.1	6.85	-73.11	154	3.4	0.6	52	61	LOS SANTOS (SANTANDER)
4972	Dic 7 2015	20:08: 5.9	4.15	-75.86	Sup	1.4	0.3	141	8	GENOVA (QUINDIO)
4973	Dic 7 2015	21:32:39.2	6.73	-73.11	142	1.6	0.1	144	10	JORDAN (SANTANDER)
4974	Dic 7 2015	21:36:13.8	3.37	-76.46	132	2.0	0.4	156	22	CALI (VALLE)
4975	Dic 7 2015	22:09:38.5	6.76	-73.13	144	2.3	0.5	140	30	LOS SANTOS (SANTANDER)
4976	Dic 7 2015	22:31:14.2	6.75	-73.13	137	2.3	0.4	139	32	LOS SANTOS (SANTANDER)
4977	Dic 8 2015	00:07:29.6	6.73	-73.16	146	1.7	0.5	137	15	VILLANUEVA (SANTANDER)
4978	Dic 8 2015	01:32:26.5	5.31	-73.77	147	1.7	0.4	217	13	UBATE (CUNDINAMARCA)
4979	Dic 8 2015	02:10:18.2	6.79	-73.15	146	1.4	0.5	136	12	LOS SANTOS (SANTANDER)
4980	Dic 8 2015	04:16:31.4	6.80	-73.07	147	1.3	0.3	245	10	LOS SANTOS (SANTANDER)
4981	Dic 8 2015	04:33: 4.6	5.26	-73.76	144	1.5	0.2	168	10	CUCUNUBA (CUNDINAMARCA)
4982	Dic 8 2015	05:05:47.5	6.86	-73.16	150	1.6	0.4	241	12	ZAPATOCA (SANTANDER)
4983	Dic 8 2015	07:39:14.7	6.77	-73.15	150	1.5	0.4	137	16	LOS SANTOS (SANTANDER)
4984	Dic 8 2015	08:03:11.1	6.82	-73.14	149	2.5	0.5	53	52	LOS SANTOS (SANTANDER)
4985	Dic 8 2015	08:20:32.7	3.40	-76.55	106	2.3	0.6	164	25	CALI (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4986	Dic 8 2015	08:54:32.9	6.82	-73.11	152	3.0	0.5	87	42	LOS SANTOS (SANTANDER)
4987	Dic 8 2015	09:26:33.6	6.81	-73.14	146	2.0	0.3	136	16	LOS SANTOS (SANTANDER)
4988	Dic 8 2015	10:30:31.4	6.82	-73.12	146	2.2	0.5	138	23	LOS SANTOS (SANTANDER)
4989	Dic 8 2015	10:45:29.8	6.80	-73.12	151	2.4	0.5	139	34	LOS SANTOS (SANTANDER)
4990	Dic 8 2015	11:08: 7.1	6.81	-73.13	143	2.0	0.5	137	17	LOS SANTOS (SANTANDER)
4991	Dic 8 2015	11:16:56.3	7.51	-73.48	107	1.7	0.4	106	10	SABANA DE TORRES (SANTANDER)
4992	Dic 8 2015	12:51:13.9	6.78	-73.10	146	2.0	0.5	143	23	LOS SANTOS (SANTANDER)
4993	Dic 8 2015	13:26: 4.0	9.15	-77.26	71	2.7	0.4	231	14	MAR CARIBE
4994	Dic 8 2015	17:28:24.8	6.79	-73.09	149	1.8	0.5	143	19	LOS SANTOS (SANTANDER)
4995	Dic 8 2015	17:31:38.9	6.81	-73.16	146	1.9	0.4	133	20	LOS SANTOS (SANTANDER)
4996	Dic 8 2015	18:42:35.3	6.80	-73.13	144	2.7	0.5	66	40	LOS SANTOS (SANTANDER)
4997	Dic 8 2015	19:07:43.5	5.41	-78.08	18	2.5	0.5	216	24	O. PACIFICO CENTRO
4998	Dic 8 2015	19:27:56.9	5.66	-73.67	139	2.8	0.6	65	48	SUTAMARCHAN (BOYACA)
4999	Dic 8 2015	19:46:35.9	4.40	-76.25	111	1.6	0.4	163	8	BOLIVAR (VALLE)
5000	Dic 8 2015	20:38:20.6	6.58	-73.08	141	1.3	0.2	241	7	CURITI (SANTANDER)
5001	Dic 8 2015	21:04:23.0	6.77	-73.15	148	2.3	0.3	136	24	LOS SANTOS (SANTANDER)
5002	Dic 8 2015	21:08:13.4	6.90	-76.19	Sup	1.7	0.4	181	14	URAMITA (ANTIOQUIA)
5003	Dic 8 2015	22:58:39.6	4.73	-75.63	Sup	1.2	0.3	130	14	FILANDIA (QUINDIO)
5004	Dic 8 2015	23:55:52.9	3.15	-76.54	121	1.5	0.4	162	14	VILLA RICA (CAUCA)
5005	Dic 9 2015	00:11:10.1	7.48	-73.72	85	1.3	0.4	75	14	SAN PABLO (BOLIVAR)
5006	Dic 9 2015	00:24:14.6	6.00	-73.68	114	2.2	0.5	80	37	VELEZ (SANTANDER)
5007	<u>Dic 9 2015</u>	<u>01:09:47.2</u>	<u>10.59</u>	<u>-73.53</u>	<u>Sup</u>	<u>2.8</u>	<u>0.6</u>	<u>107</u>	<u>31</u>	<u>PUEBLO BELLO (CESAR)</u>
5008	Dic 9 2015	02:09:57.0	5.64	-76.00	19	1.6	0.6	159	18	BETANIA (ANTIOQUIA)
5009	Dic 9 2015	02:22: 4.4	3.76	-71.50	Sup	2.4	0.3	229	18	PUERTO GAITAN (META)
5010	Dic 9 2015	02:31:50.6	11.84	-73.46	Sup	2.1	0.3	228	14	MAR CARIBE
5011	Dic 9 2015	03:25:11.0	6.78	-73.14	144	1.7	0.4	137	19	LOS SANTOS (SANTANDER)
5012	Dic 9 2015	03:49:33.1	6.81	-73.16	147	1.9	0.5	133	29	LOS SANTOS (SANTANDER)
5013	Dic 9 2015	04:43: 9.1	1.91	-75.95	Sup	1.3	0.3	174	8	TIMANA (HUILA)
5014	Dic 9 2015	04:47:43.5	6.80	-73.12	147	1.2	0.5	138	14	LOS SANTOS (SANTANDER)
5015	Dic 9 2015	05:49:16.5	6.80	-73.14	146	1.4	0.4	136	14	LOS SANTOS (SANTANDER)
5016	Dic 9 2015	06:24:40.5	6.80	-73.10	149	3.2	0.4	122	51	LOS SANTOS (SANTANDER)
5017	Dic 9 2015	06:49:29.9	6.81	-73.13	149	2.7	0.4	71	50	LOS SANTOS (SANTANDER)
5018	Dic 9 2015	07:51:55.1	5.81	-75.93	52	1.1	0.2	165	7	HISPANIA (ANTIOQUIA)
5019	Dic 9 2015	07:54:14.4	4.64	-76.16	94	1.0	0.2	151	8	VERSALLES (VALLE)
5020	Dic 9 2015	07:55: 6.1	6.79	-73.14	147	1.4	0.3	137	18	LOS SANTOS (SANTANDER)
5021	Dic 9 2015	09:04: 3.9	6.79	-73.14	143	1.5	0.3	183	17	LOS SANTOS (SANTANDER)
5022	Dic 9 2015	11:40:14.1	7.08	-74.07	85	2.0	0.4	63	23	YONDO (ANTIOQUIA)
5023	Dic 9 2015	13:33:45.4	6.80	-73.11	148	2.9	0.5	72	58	LOS SANTOS (SANTANDER)
5024	Dic 9 2015	13:58: 4.9	6.82	-73.20	137	2.0	0.4	128	17	ZAPATOCA (SANTANDER)
5025	Dic 9 2015	14:29:25.9	10.74	-73.49	77	3.0	0.3	125	16	PUEBLO BELLO (CESAR)
5026	Dic 9 2015	16:11:43.2	6.80	-73.10	145	3.2	0.5	54	54	LOS SANTOS (SANTANDER)
5027	Dic 9 2015	17:35:40.1	5.41	-73.79	137	2.0	0.5	120	24	FUQUENA (CUNDINAMARCA)
5028	Dic 9 2015	17:37:35.7	5.76	-73.94	112	1.8	0.5	232	14	TUNUNGUA (BOYACA)
5029	Dic 9 2015	18:10:23.0	6.82	-73.12	151	4.0	0.6	53	0	LOS SANTOS (SANTANDER)
5030	Dic 9 2015	18:10:23.0	6.82	-73.12	151	4.0	0.6	53	92	LOS SANTOS (SANTANDER)
5031	Dic 9 2015	18:12:49.4	5.85	-73.73	118	2.3	0.3	153	18	PUENTE NACIONAL (SANTANDER)
5032	Dic 9 2015	21:18:35.9	6.25	-74.49	Sup	1.9	0.4	102	16	PUERTO NARE (ANTIOQUIA)
5033	Dic 10 2015	01:00:28.9	3.93	-76.38	117	1.5	0.3	174	11	YOTOCO (VALLE)
5034	Dic 10 2015	02:41:31.6	6.80	-73.16	150	2.7	0.4	64	48	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5035	Dic 10 2015	04:41:59.8	6.49	-73.59	109	1.5	0.5	134	12	SANTA HELENA DEL OPOON (SANTANDER)
5036	Dic 10 2015	08:10:27.0	6.54	-73.49	111	1.6	0.4	67	17	EL CARMEN (SANTANDER)
5037	Dic 10 2015	08:42:58.9	6.78	-73.12	149	1.9	0.5	122	32	LOS SANTOS (SANTANDER)
5038	Dic 10 2015	08:49:35.9	6.81	-73.17	145	1.7	0.4	180	19	ZAPATOCA (SANTANDER)
5039	Dic 10 2015	13:46:56.7	6.06	-73.59	124	2.0	0.3	100	18	GUEPSA (SANTANDER)
5040	Dic 10 2015	14:42:31.4	6.83	-73.16	148	2.4	0.5	133	32	LOS SANTOS (SANTANDER)
5041	Dic 10 2015	17:25:23.3	6.78	-73.11	142	1.8	0.4	141	16	LOS SANTOS (SANTANDER)
5042	Dic 10 2015	19:30:46.9	6.80	-73.16	143	2.0	0.5	143	11	LOS SANTOS (SANTANDER)
5043	Dic 10 2015	19:34:48.2	6.76	-73.17	144	1.4	0.2	142	7	LOS SANTOS (SANTANDER)
5044	Dic 10 2015	19:45:20.1	6.14	-73.71	108	2.5	0.4	68	37	CHIPATA (SANTANDER)
5045	Dic 10 2015	20:02:11.8	5.80	-74.22	20	1.7	0.4	103	14	OTANCHE (BOYACA)
5046	Dic 10 2015	21:33:30.3	6.74	-73.14	146	1.6	0.3	234	7	LOS SANTOS (SANTANDER)
5047	Dic 10 2015	21:39:52.4	6.25	-74.67	Sup	1.2	0.6	158	11	PUERTO NARE (ANTIOQUIA)
5048	Dic 10 2015	21:46: 1.7	6.79	-73.14	140	2.5	0.4	149	26	LOS SANTOS (SANTANDER)
5049	Dic 10 2015	22:59:44.2	6.94	-74.62	39	1.9	0.4	103	16	REMEDIOS (ANTIOQUIA)
5050	Dic 11 2015	00:29:55.4	4.51	-76.60	82	2.6	0.4	174	37	SIPI (CHOCO)
5051	Dic 11 2015	00:50:28.2	6.86	-76.68	Sup	1.8	0.5	128	14	MURINDO (ANTIOQUIA)
5052	Dic 11 2015	01:48:49.9	6.79	-73.09	155	2.1	0.4	188	24	LOS SANTOS (SANTANDER)
5053	Dic 11 2015	02:11:15.8	3.72	-77.22	36	2.8	0.7	121	49	O. PACIFICO SUR
5054	Dic 11 2015	02:11:20.5	6.80	-73.17	140	2.1	0.6	140	14	LOS SANTOS (SANTANDER)
5055	Dic 11 2015	03:01:18.6	6.81	-73.14	142	2.0	0.5	136	30	LOS SANTOS (SANTANDER)
5056	Dic 11 2015	03:09: 9.9	6.92	-76.21	Sup	1.3	0.5	191	11	URAMITA (ANTIOQUIA)
5057	Dic 11 2015	04:14:40.8	6.80	-73.13	150	1.9	0.3	152	10	LOS SANTOS (SANTANDER)
5058	Dic 11 2015	04:15: 9.5	6.92	-76.24	Sup	2.4	0.5	201	12	URAMITA (ANTIOQUIA)
5059	Dic 11 2015	04:15: 9.1	6.96	-76.44	9	2.5	1.2	224	18	DABEIBA (ANTIOQUIA)
5060	Dic 11 2015	05:58:15.3	2.63	-75.61	Sup	1.1	0.2	230	8	IQUIRA (HUILA)
5061	Dic 11 2015	06:07:26.7	6.80	-73.09	147	2.0	0.4	123	29	LOS SANTOS (SANTANDER)
5062	Dic 11 2015	06:12:48.1	6.80	-73.16	149	1.8	0.4	134	20	LOS SANTOS (SANTANDER)
5063	Dic 11 2015	06:58: 0.1	3.86	-76.23	126	1.2	0.5	117	12	BUGA (VALLE)
5064	Dic 11 2015	08:27:18.6	2.35	-75.42	17	2.2	0.5	76	24	GIGANTE (HUILA)
5065	Dic 11 2015	08:52:54.9	6.82	-73.18	146	1.8	0.4	179	23	ZAPATOCA (SANTANDER)
5066	Dic 11 2015	09:36:15.1	3.88	-76.22	114	1.3	0.3	211	8	BUGA (VALLE)
5067	Dic 11 2015	10:34:29.8	2.57	-75.27	Sup	1.2	0.3	182	8	ALGECIRAS (HUILA)
5068	Dic 11 2015	10:47:32.3	6.80	-73.13	140	1.9	0.4	184	19	LOS SANTOS (SANTANDER)
5069	Dic 11 2015	11:00:33.7	5.58	-75.54	Sup	1.6	0.5	74	14	VALPARAISO (ANTIOQUIA)
5070	Dic 11 2015	17:42:16.9	6.80	-73.14	147	2.9	0.6	136	37	LOS SANTOS (SANTANDER)
5071	Dic 11 2015	17:48:13.8	7.37	-75.28	13	2.1	0.5	185	18	CACERES (ANTIOQUIA)
5072	Dic 11 2015	21:21:56.3	6.81	-73.12	148	3.4	0.5	72	61	LOS SANTOS (SANTANDER)
5073	Dic 11 2015	21:51:10.8	6.73	-73.15	145	1.6	0.4	138	8	LOS SANTOS (SANTANDER)
5074	Dic 12 2015	00:49:28.0	6.77	-73.16	145	1.8	0.4	135	13	LOS SANTOS (SANTANDER)
5075	Dic 12 2015	01:08:36.1	6.79	-73.16	140	1.5	0.3	142	12	LOS SANTOS (SANTANDER)
5076	<u>Dic 12 2015</u>	<u>01:33:14.0</u>	<u>5.56</u>	<u>-77.80</u>	<u>21</u>	<u>3.7</u>	<u>0.4</u>	<u>160</u>	<u>0</u>	<u>O. PACIFICO CENTRO</u>
5077	Dic 12 2015	01:33:14.0	5.56	-77.80	21	3.7	0.4	160	73	O. PACIFICO CENTRO
5078	Dic 12 2015	02:02:58.2	5.56	-77.68	25	1.9	0.3	231	11	O. PACIFICO CENTRO
5079	Dic 12 2015	02:27:40.0	7.08	-74.98	Sup	1.6	0.3	109	15	ANORI (ANTIOQUIA)
5080	Dic 12 2015	02:48:28.5	6.82	-77.70	21	2.4	0.4	164	14	O. PACIFICO NORTE
5081	Dic 12 2015	02:57: 7.2	6.52	-73.52	106	1.9	0.3	67	25	EL CARMEN (SANTANDER)
5082	Dic 12 2015	03:08:25.8	6.79	-73.12	155	2.0	0.4	140	28	LOS SANTOS (SANTANDER)
5083	Dic 12 2015	03:11:57.0	6.78	-73.12	148	1.9	0.3	141	25	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5084	Dic 12 2015	03:23:15.1	7.33	-73.44	101	1.6	0.3	86	15	SABANA DE TORRES (SANTANDER)
5085	Dic 12 2015	03:33: 7.0	10.33	-73.25	113	2.1	0.3	153	12	SAN DIEGO (CESAR)
5086	Dic 12 2015	03:57: 9.4	3.61	-74.12	Sup	1.8	0.5	96	22	LEJANIAS (META)
5087	Dic 12 2015	03:58:54.5	5.53	-77.81	32	2.2	0.3	172	23	O. PACIFICO CENTRO
5088	Dic 12 2015	04:14: 0.8	10.91	-73.48	8	1.3	0.2	152	7	PUEBLO BELLO (CESAR)
5089	Dic 12 2015	04:38: 1.3	6.80	-73.12	147	1.5	0.3	138	14	LOS SANTOS (SANTANDER)
5090	Dic 12 2015	05:40:39.0	3.74	-77.04	6	2.0	0.4	221	23	BUENAVENTURA (VALLE)
5091	Dic 12 2015	05:46:44.9	11.81	-71.84	61	3.7	0.5	232	55	MANAURE BALCON CESAR (CESAR)
5092	Dic 12 2015	07:30: 5.9	5.54	-77.80	32	2.2	0.4	172	22	O. PACIFICO CENTRO
5093	Dic 12 2015	08:22:37.0	6.77	-73.13	153	1.6	0.3	255	9	LOS SANTOS (SANTANDER)
5094	Dic 12 2015	08:37: 3.9	4.20	-76.65	101	1.9	0.4	201	17	CALIMA (VALLE)
5095	Dic 12 2015	09:35:36.9	3.87	-76.32	123	1.1	0.3	157	10	BUGA (VALLE)
5096	Dic 12 2015	11:25:34.8	6.79	-73.13	140	1.9	0.5	154	21	LOS SANTOS (SANTANDER)
5097	Dic 12 2015	11:44:21.0	6.79	-73.15	141	1.8	0.4	135	14	LOS SANTOS (SANTANDER)
5098	Dic 12 2015	13:19:22.3	6.79	-73.11	151	2.7	0.4	141	35	LOS SANTOS (SANTANDER)
5099	Dic 12 2015	13:56:55.7	4.07	-75.08	Sup	3.0	0.5	59	52	SAN LUIS (TOLIMA)
5100	Dic 12 2015	14:30:53.8	4.91	-75.78	32	1.6	0.3	144	7	MARSELLA (RISARALDA)
5101	Dic 12 2015	18:17:53.0	10.65	-73.24	88	3.9	0.6	106	0	LA PAZ (CESAR)
5102	Dic 12 2015	18:17:53.0	10.65	-73.24	88	3.9	0.6	106	78	LA PAZ (CESAR)
5103	Dic 12 2015	19:04:57.3	6.81	-73.14	143	2.0	0.6	136	25	LOS SANTOS (SANTANDER)
5104	Dic 12 2015	19:22:47.8	8.50	-77.19	55	2.5	0.3	163	12	MAR CARIBE
5105	Dic 12 2015	19:39:33.8	6.82	-73.15	141	1.9	0.5	134	14	LOS SANTOS (SANTANDER)
5106	Dic 12 2015	21:44:10.0	5.07	-75.61	119	1.5	0.5	161	11	PALESTINA (CALDAS)
5107	Dic 12 2015	23:10:57.2	5.77	-73.86	109	1.7	0.4	270	11	ALBANIA (SANTANDER)
5108	Dic 13 2015	01:35:58.9	5.02	-76.37	84	2.2	0.4	215	21	SAN JOSE DEL PALMAR (CHOCO)
5109	Dic 13 2015	02:05:35.8	5.29	-74.75	22	1.0	0.2	172	7	HONDA (TOLIMA)
5110	Dic 13 2015	02:14:12.2	1.69	-74.33	Sup	1.8	0.5	147	16	SAN VICENTE DEL CAGUAN (CAQUETA)
5111	Dic 13 2015	02:39:41.4	6.79	-73.14	150	2.1	0.5	137	29	LOS SANTOS (SANTANDER)
5112	Dic 13 2015	02:54:52.4	7.71	-74.58	31	3.2	0.5	70	0	EL BAGRE (ANTIOQUIA)
5113	Dic 13 2015	02:54:52.4	7.71	-74.58	31	3.2	0.5	70	57	EL BAGRE (ANTIOQUIA)
5114	Dic 13 2015	03:24:31.2	6.78	-73.16	141	1.8	0.4	135	13	LOS SANTOS (SANTANDER)
5115	Dic 13 2015	05:02:39.6	6.75	-73.15	144	1.2	0.5	138	10	LOS SANTOS (SANTANDER)
5116	Dic 13 2015	05:21:50.2	1.71	-74.34	Sup	1.6	0.6	144	13	SAN VICENTE DEL CAGUAN (CAQUETA)
5117	Dic 13 2015	06:15:30.0	6.82	-73.15	140	1.7	0.4	135	20	LOS SANTOS (SANTANDER)
5118	Dic 13 2015	07:24:39.7	0.75	-77.12	Sup	2.2	0.5	166	10	ORITO (PUTUMAYO)
5119	Dic 13 2015	08:20:48.9	4.95	-75.34	Sup	1.1	0.4	171	10	VILLAMARIA (CALDAS)
5120	Dic 13 2015	09:43:10.5	7.02	-75.92	Sup	1.4	0.4	119	13	PEQUE (ANTIOQUIA)
5121	Dic 13 2015	10:08:13.9	7.15	-75.68	Sup	1.7	0.2	120	8	ITUANGO (ANTIOQUIA)
5122	Dic 13 2015	10:38:53.5	6.78	-73.16	148	1.5	0.4	211	8	LOS SANTOS (SANTANDER)
5123	Dic 13 2015	11:22:53.2	2.09	-76.13	Sup	2.6	0.5	85	30	SALADOBLANCO (HUILA)
5124	Dic 13 2015	12:08: 4.3	6.77	-73.17	149	1.7	0.4	134	12	LOS SANTOS (SANTANDER)
5125	Dic 13 2015	14:53:18.3	7.68	-74.60	41	1.9	0.4	81	14	EL BAGRE (ANTIOQUIA)
5126	Dic 13 2015	17:24:36.3	2.94	-74.76	Sup	1.7	0.4	140	9	BARAYA (HUILA)
5127	Dic 13 2015	17:40:42.0	4.46	-76.65	71	2.0	0.5	148	22	SIPI (CHOCO)
5128	Dic 13 2015	18:52:26.5	6.80	-73.13	147	2.2	0.5	138	20	LOS SANTOS (SANTANDER)
5129	Dic 13 2015	18:55:43.5	5.75	-74.40	76	1.6	0.3	134	12	OTANCHE (BOYACA)
5130	Dic 13 2015	19:53:56.8	6.80	-73.14	134	1.8	0.4	151	8	LOS SANTOS (SANTANDER)
5131	Dic 13 2015	21:48:12.6	3.60	-74.40	15	2.1	0.4	104	28	URIBE (META)
5132	Dic 13 2015	22:00:58.7	6.79	-73.16	138	2.3	0.5	134	33	LOS SANTOS (SANTANDER)
5133	Dic 13 2015	22:33:25.0	6.81	-73.12	145	1.7	0.3	139	16	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5134	Dic 13 2015	23:18:15.7	6.80	-73.16	145	1.7	0.4	134	18	LOS SANTOS (SANTANDER)
5135	Dic 13 2015	23:39:22.8	6.82	-73.15	145	1.8	0.5	135	17	LOS SANTOS (SANTANDER)
5136	Dic 14 2015	01:57:14.9	6.83	-73.14	143	2.4	0.4	70	39	LOS SANTOS (SANTANDER)
5137	Dic 14 2015	02:55:35.4	12.00	-72.81	31	3.5	0.4	232	54	MAR CARIBE
5138	Dic 14 2015	02:59:42.1	1.85	-76.38	Sup	1.3	0.3	170	12	SAN AGUSTIN (HUILA)
5139	Dic 14 2015	03:25:55.7	6.39	-73.66	101	1.3	0.3	78	18	SANTA HELENA DEL OPOON (SANTANDER)
5140	Dic 14 2015	04:24: 1.9	6.83	-73.14	147	1.4	0.3	135	13	LOS SANTOS (SANTANDER)
5141	Dic 14 2015	05:40:29.2	6.80	-73.14	149	1.5	0.3	137	16	LOS SANTOS (SANTANDER)
5142	Dic 14 2015	05:53:44.2	5.60	-74.34	84	1.4	0.1	186	7	LA VICTORIA (BOYACA)
5143	Dic 14 2015	05:54: 0.8	4.63	-75.99	58	1.8	0.2	105	12	OBANDO (VALLE)
5144	Dic 14 2015	06:02: 5.0	6.84	-73.34	127	1.8	0.3	94	18	SAN VICENTE DE CHUCURI (SANTANDER)
5145	Dic 14 2015	06:13:27.0	6.02	-77.66	57	1.9	0.2	247	6	O. PACIFICO NORTE
5146	Dic 14 2015	06:19:38.0	7.42	-73.19	132	2.0	0.3	109	22	EL PLAYON (SANTANDER)
5147	Dic 14 2015	06:43:56.2	7.61	-73.31	12	2.3	0.4	114	26	LA ESPERANZA (N.SANTANDER)
5148	Dic 14 2015	07:04: 4.7	6.66	-72.11	Sup	2.4	0.5	106	29	CUBARA (BOYACA)
5149	Dic 14 2015	08:13:22.0	3.84	-71.45	Sup	2.4	0.5	261	12	PUERTO GAITAN (META)
5150	Dic 14 2015	08:34:29.4	6.78	-73.12	141	1.3	0.3	139	15	LOS SANTOS (SANTANDER)
5151	Dic 14 2015	08:50: 5.7	6.81	-73.12	144	2.2	0.3	139	28	LOS SANTOS (SANTANDER)
5152	Dic 14 2015	09:34:58.5	6.44	-73.19	147	2.4	0.4	140	30	PARAMO (SANTANDER)
5153	Dic 14 2015	09:42:39.7	6.83	-73.16	140	2.5	0.4	69	41	LOS SANTOS (SANTANDER)
5154	Dic 14 2015	11:16: 7.2	6.87	-73.07	142	1.7	0.2	229	8	PIEDECUESTA (SANTANDER)
5155	Dic 14 2015	11:32:44.8	6.81	-73.14	146	2.0	0.5	136	18	LOS SANTOS (SANTANDER)
5156	Dic 14 2015	12:53:51.1	6.78	-73.12	146	2.0	0.4	140	22	LOS SANTOS (SANTANDER)
5157	Dic 14 2015	13:24:44.0	5.27	-73.74	151	3.0	0.5	64	0	CUCUNUBA (CUNDINAMARCA)
5158	Dic 14 2015	13:24:44.0	5.27	-73.74	151	3.0	0.5	64	48	CUCUNUBA (CUNDINAMARCA)
5159	Dic 14 2015	13:50:37.3	6.75	-73.14	146	2.0	0.4	138	17	LOS SANTOS (SANTANDER)
5160	Dic 14 2015	13:51:31.8	6.81	-73.13	153	2.0	0.5	120	18	LOS SANTOS (SANTANDER)
5161	Dic 14 2015	14:54:59.4	2.37	-75.69	Sup	1.7	0.3	95	12	PAICOL (HUILA)
5162	Dic 14 2015	15:06:56.1	6.79	-73.14	148	2.1	0.4	137	23	LOS SANTOS (SANTANDER)
5163	Dic 14 2015	15:20:30.5	6.81	-73.14	150	2.3	0.5	119	31	LOS SANTOS (SANTANDER)
5164	Dic 14 2015	17:00:49.5	2.86	-76.73	Sup	1.7	0.4	209	8	SUAREZ (CAUCA)
5165	Dic 14 2015	18:17:52.1	2.48	-75.61	Sup	1.4	0.5	117	12	TESALIA (HUILA)
5166	Dic 14 2015	21:40: 7.9	6.93	-73.38	115	2.2	0.5	91	21	SAN VICENTE DE CHUCURI (SANTANDER)
5167	Dic 14 2015	21:53:46.8	2.87	-74.83	Sup	1.7	0.5	130	16	BARAYA (HUILA)
5168	Dic 15 2015	00:10: 0.6	6.79	-73.08	152	2.2	0.4	144	28	LOS SANTOS (SANTANDER)
5169	Dic 15 2015	00:56:19.8	2.95	-76.36	Sup	1.1	0.4	144	11	CALOTO (CAUCA)
5170	Dic 15 2015	02:07:44.9	2.98	-78.36	7	2.4	0.5	219	28	O. PACIFICO SUR
5171	Dic 15 2015	02:40:39.3	2.95	-78.33	Sup	2.8	0.5	199	47	O. PACIFICO SUR
5172	Dic 15 2015	02:48: 4.7	6.81	-73.13	142	2.2	0.4	137	20	LOS SANTOS (SANTANDER)
5173	Dic 15 2015	03:38:42.4	6.80	-73.14	148	2.2	0.4	137	24	LOS SANTOS (SANTANDER)
5174	Dic 15 2015	04:06:17.5	6.89	-73.12	141	1.4	0.3	283	11	PIEDECUESTA (SANTANDER)
5175	Dic 15 2015	04:27:46.3	6.25	-73.69	105	1.2	0.3	120	11	SANTA HELENA DEL OPOON (SANTANDER)
5176	Dic 15 2015	04:32: 9.2	6.81	-73.17	144	2.7	0.4	132	44	LOS SANTOS (SANTANDER)
5177	Dic 15 2015	05:45:57.6	6.64	-76.69	19	1.4	0.3	156	10	VIGIA DEL FUERTE (ANTIOQUIA)
5178	Dic 15 2015	05:49: 1.9	3.79	-71.45	Sup	2.3	0.3	231	7	PUERTO GAITAN (META)
5179	Dic 15 2015	06:02:43.4	6.82	-73.14	141	2.2	0.4	135	29	LOS SANTOS (SANTANDER)
5180	Dic 15 2015	06:13:56.6	4.86	-76.14	111	1.0	0.3	93	10	EL AGUILA (VALLE)
5181	Dic 15 2015	06:23:52.0	6.80	-73.12	149	3.0	0.4	139	43	LOS SANTOS (SANTANDER)
5182	Dic 15 2015	06:55:31.7	6.80	-73.11	146	1.8	0.4	140	23	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5183	Dic 15 2015	07:14:48.6	6.78	-73.15	138	2.1	0.4	136	27	LOS SANTOS (SANTANDER)
5184	Dic 15 2015	07:46:36.4	6.78	-74.01	82	1.4	0.3	139	10	PUERTO PARRA (SANTANDER)
5185	Dic 15 2015	07:57:31.1	6.83	-73.15	142	2.6	0.4	134	38	LOS SANTOS (SANTANDER)
5186	Dic 15 2015	08:17:23.8	6.80	-73.09	151	1.4	0.3	205	13	LOS SANTOS (SANTANDER)
5187	Dic 15 2015	08:23:35.1	5.55	-74.35	83	1.3	0.3	181	12	YACOPI (CUNDINAMARCA)
5188	Dic 15 2015	08:26:52.6	6.41	-73.43	122	1.5	0.3	98	11	CHIMA (SANTANDER)
5189	Dic 15 2015	08:51:16.3	6.45	-73.44	124	1.2	0.3	162	9	SIMACOTA (SANTANDER)
5190	Dic 15 2015	09:46: 1.5	6.80	-73.14	140	1.4	0.3	137	11	LOS SANTOS (SANTANDER)
5191	Dic 15 2015	10:23: 6.8	7.68	-73.99	19	1.5	0.4	104	10	SAN PABLO (BOLIVAR)
5192	Dic 15 2015	10:52:41.2	7.90	-73.17	133	2.4	0.5	103	26	ABREGO (N.SANTANDER)
5193	Dic 15 2015	10:56:31.4	6.83	-76.64	Sup	1.5	0.4	269	10	MURINDO (ANTIOQUIA)
5194	Dic 15 2015	12:18:16.0	6.84	-73.13	148	2.6	0.5	119	35	LOS SANTOS (SANTANDER)
5195	Dic 15 2015	14:27: 8.1	7.47	-73.42	114	2.0	0.4	93	16	SABANA DE TORRES (SANTANDER)
5196	Dic 15 2015	14:37:22.4	6.78	-73.11	148	2.0	0.3	141	16	LOS SANTOS (SANTANDER)
5197	Dic 15 2015	17:19:17.1	6.11	-75.99	Sup	2.0	0.7	153	21	BETULIA (ANTIOQUIA)
5198	Dic 15 2015	17:32:11.7	6.83	-73.15	146	2.4	0.5	134	32	LOS SANTOS (SANTANDER)
5199	Dic 15 2015	18:38:45.5	6.64	-76.41	Sup	1.9	0.5	236	12	FRONTINO (ANTIOQUIA)
5200	Dic 15 2015	20:33:38.6	6.78	-73.15	144	2.0	0.5	136	9	LOS SANTOS (SANTANDER)
5201	Dic 15 2015	20:56:48.5	6.76	-73.14	139	1.8	0.4	138	11	LOS SANTOS (SANTANDER)
5202	Dic 15 2015	21:21:35.9	6.76	-73.13	140	1.9	0.5	140	13	LOS SANTOS (SANTANDER)
5203	Dic 15 2015	22:03:29.4	5.57	-76.60	32	1.8	0.4	250	17	ATRATO (CHOCO)
5204	Dic 15 2015	22:19:33.3	6.53	-73.56	104	2.7	0.5	62	35	EL CARMEN (SANTANDER)
5205	Dic 15 2015	23:40:18.1	6.98	-76.39	Sup	1.5	0.2	271	7	DABEIBA (ANTIOQUIA)
5206	Dic 16 2015	00:11:32.4	6.79	-73.18	140	1.9	0.2	143	8	ZAPATOCA (SANTANDER)
5207	Dic 16 2015	00:16:48.4	4.62	-76.70	25	1.5	0.3	238	7	SIPI (CHOCO)
5208	Dic 16 2015	00:11:32.0	6.79	-73.15	142	2.1	0.4	135	10	LOS SANTOS (SANTANDER)
5209	Dic 16 2015	00:12:41.5	6.75	-73.16	147	2.1	0.4	137	9	LOS SANTOS (SANTANDER)
5210	Dic 16 2015	00:42: 6.3	7.22	-76.01	62	1.6	0.3	213	7	PEQUE (ANTIOQUIA)
5211	Dic 16 2015	01:31:41.5	8.64	-73.17	131	1.9	0.2	153	12	EL TARRA (N.SANTANDER)
5212	Dic 16 2015	03:13:22.6	4.85	-73.10	12	2.1	0.4	123	19	SABANALARGA (CASANARE)
5213	Dic 16 2015	03:17:49.5	6.74	-73.15	142	1.5	0.2	249	8	LOS SANTOS (SANTANDER)
5214	Dic 16 2015	03:44:22.9	4.64	-74.82	Sup	1.2	0.3	227	10	PULI (CUNDINAMARCA)
5215	Dic 16 2015	05:31:50.8	1.89	-76.78	Sup	1.1	0.4	115	12	SAN SEBASTIAN (CAUCA)
5216	Dic 16 2015	05:41:49.9	6.87	-76.33	16	1.1	0.3	238	8	DABEIBA (ANTIOQUIA)
5217	Dic 16 2015	05:47:42.7	6.77	-73.14	138	1.6	0.3	138	17	LOS SANTOS (SANTANDER)
5218	Dic 16 2015	05:54:53.4	2.65	-76.66	Sup	1.9	0.6	151	18	CAJIBIO (CAUCA)
5219	Dic 16 2015	06:06:40.0	7.81	-73.51	93	1.3	0.3	96	11	SAN ALBERTO (CESAR)
5220	Dic 16 2015	06:40:47.2	4.40	-76.29	105	3.0	0.5	126	64	EL DOVIO (VALLE)
5221	Dic 16 2015	09:33:35.0	6.74	-73.10	142	1.9	0.5	144	30	LOS SANTOS (SANTANDER)
5222	Dic 16 2015	11:40:17.4	6.79	-73.11	151	2.4	0.5	122	37	LOS SANTOS (SANTANDER)
5223	Dic 16 2015	12:10:47.2	6.28	-73.13	185	2.6	0.5	89	37	CHARALA (SANTANDER)
5224	Dic 16 2015	12:21: 2.7	6.81	-73.10	149	2.8	0.5	103	45	LOS SANTOS (SANTANDER)
5225	Dic 16 2015	12:28:35.5	7.05	-73.07	151	1.9	0.4	210	11	FLORIDABLANCA (SANTANDER)
5226	Dic 16 2015	12:49:14.7	6.91	-76.24	Sup	1.8	0.6	233	9	URAMITA (ANTIOQUIA)
5227	Dic 16 2015	19:21:39.4	3.56	-74.28	Sup	2.3	0.6	116	29	LEJANIAS (META)
5228	Dic 16 2015	22:35:31.8	0.90	-79.19	6	3.2	0.4	273	11	FRONTERA CON ECUADOR
5229	Dic 16 2015	22:53:12.4	0.91	-79.18	Sup	2.5	0.4	270	15	FRONTERA CON ECUADOR
5230	Dic 16 2015	22:57:11.3	0.90	-79.17	Sup	2.5	0.3	272	9	FRONTERA CON ECUADOR
5231	Dic 16 2015	23:49:15.0	6.78	-73.14	145	1.6	0.2	138	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5232	Dic 17 2015	01:01:42.4	3.84	-71.58	Sup	2.4	0.4	255	10	PUERTO GAITAN (META)
5233	Dic 17 2015	03:00:26.9	6.00	-72.45	Sup	1.3	0.3	271	8	LA SALINA (CASANARE)
5234	Dic 17 2015	03:45:25.7	2.63	-79.74	22	2.4	0.3	314	18	O. PACIFICO SUR
5235	Dic 17 2015	04:20: 0.3	6.80	-73.16	148	1.6	0.3	243	8	LOS SANTOS (SANTANDER)
5236	Dic 17 2015	04:29:46.4	6.86	-73.13	149	1.6	0.3	135	11	LOS SANTOS (SANTANDER)
5237	Dic 17 2015	05:07:21.9	4.96	-76.55	75	1.4	0.2	223	9	NOVITA (CHOCO)
5238	Dic 17 2015	06:16:14.3	6.79	-73.11	147	2.2	0.3	140	28	LOS SANTOS (SANTANDER)
5239	Dic 17 2015	06:36:27.7	7.96	-74.21	20	1.5	0.3	109	8	SANTA ROSA DEL SUR (BOLIVAR)
5240	Dic 17 2015	06:38:47.5	6.79	-73.14	152	2.2	0.4	136	28	LOS SANTOS (SANTANDER)
5241	Dic 17 2015	07:00:39.2	5.45	-74.42	18	1.0	0.2	197	9	YACOPI (CUNDINAMARCA)
5242	Dic 17 2015	07:25:12.7	6.79	-73.13	152	1.5	0.2	256	9	LOS SANTOS (SANTANDER)
5243	Dic 17 2015	08:06:10.6	3.85	-71.27	Sup	2.4	0.2	283	12	PUERTO GAITAN (META)
5244	Dic 17 2015	08:48:13.1	6.80	-73.14	143	2.0	0.4	136	24	LOS SANTOS (SANTANDER)
5245	Dic 17 2015	09:27:13.5	6.05	-76.48	Sup	2.4	0.5	110	24	MEDIO ATRATO (CHOCO)
5246	Dic 17 2015	09:44: 0.5	5.31	-73.78	146	2.1	0.4	217	21	UBATE (CUNDINAMARCA)
5247	Dic 17 2015	09:53:33.1	4.30	-76.90	Sup	1.5	0.3	286	7	SIPI (CHOCO)
5248	Dic 17 2015	10:10:34.2	3.38	-74.33	Sup	1.8	0.5	117	20	URIBE (META)
5249	Dic 17 2015	11:30:27.0	4.63	-75.97	42	1.4	0.4	106	12	OBANDO (VALLE)
5250	Dic 17 2015	12:02:13.0	6.82	-73.17	145	1.6	0.5	206	9	ZAPATOCA (SANTANDER)
5251	Dic 17 2015	12:28:18.1	6.80	-73.17	139	2.3	0.5	133	29	LOS SANTOS (SANTANDER)
5252	Dic 17 2015	13:00:43.3	6.83	-73.11	148	2.8	0.5	71	44	LOS SANTOS (SANTANDER)
5253	Dic 17 2015	13:35:16.9	6.80	-73.14	146	2.2	0.5	136	28	LOS SANTOS (SANTANDER)
5254	Dic 17 2015	14:05:40.3	4.43	-73.70	Sup	2.1	0.6	85	24	SAN JUANITO (META)
5255	Dic 17 2015	14:06:10.2	4.48	-73.74	6	2.0	0.3	157	12	SAN JUANITO (META)
5256	Dic 17 2015	14:12:20.1	6.76	-73.18	143	1.8	0.6	231	12	LOS SANTOS (SANTANDER)
5257	Dic 17 2015	15:02:30.4	1.95	-76.10	Sup	2.5	0.5	144	26	SALADOBLANCO (HUILA)
5258	Dic 17 2015	16:41:11.6	5.18	-77.14	53	2.8	0.6	117	31	MEDIO BAUDO (CHOCO)
5259	Dic 17 2015	17:35:27.6	4.51	-73.79	Sup	2.5	0.7	80	31	FOMEQUE (CUNDINAMARCA)
5260	Dic 17 2015	18:31:12.7	3.73	-77.19	Sup	2.3	0.5	207	21	BUENAVENTURA (VALLE)
5261	Dic 17 2015	19:20:24.5	6.78	-73.13	144	2.6	0.5	121	48	LOS SANTOS (SANTANDER)
5262	Dic 17 2015	20:40: 8.0	6.81	-73.11	148	3.2	0.5	121	49	LOS SANTOS (SANTANDER)
5263	Dic 17 2015	21:19: 5.5	4.82	-74.81	54	1.5	0.1	189	8	AMBALEMA (TOLIMA)
5264	Dic 17 2015	22:56:31.4	4.61	-73.68	Sup	1.5	0.4	128	8	SAN JUANITO (META)
5265	Dic 17 2015	23:00:13.6	6.80	-73.15	147	2.8	0.5	134	40	LOS SANTOS (SANTANDER)
5266	Dic 17 2015	23:04:50.8	6.79	-73.16	142	1.6	0.4	135	15	LOS SANTOS (SANTANDER)
5267	Dic 17 2015	23:16:46.1	6.81	-73.14	147	3.0	0.5	71	46	LOS SANTOS (SANTANDER)
5268	Dic 17 2015	23:20:30.9	4.67	-76.21	102	1.9	0.2	151	9	EL CAIRO (VALLE)
5269	Dic 18 2015	01:23: 4.2	6.81	-73.13	149	2.1	0.4	137	25	LOS SANTOS (SANTANDER)
5270	Dic 18 2015	02:52:20.4	5.26	-73.76	146	1.4	0.3	129	12	CUCUNUBA (CUNDINAMARCA)
5271	Dic 18 2015	05:08:32.5	3.03	-74.83	Sup	1.3	0.3	154	11	BARAYA (HUILA)
5272	Dic 18 2015	05:28:22.4	6.12	-76.58	Sup	1.3	0.5	217	8	MEDIO ATRATO (CHOCO)
5273	Dic 18 2015	05:29:33.1	6.88	-72.97	146	1.5	0.3	244	8	GUACA (SANTANDER)
5274	Dic 18 2015	05:58: 2.4	3.71	-77.04	17	2.5	0.5	221	22	BUENAVENTURA (VALLE)
5275	Dic 18 2015	06:40:49.3	3.78	-77.21	31	1.5	0.3	219	16	O. PACIFICO SUR
5276	Dic 18 2015	07:19:42.2	6.70	-72.94	Sup	3.1	0.7	82	43	CEPITA (SANTANDER)
5277	Dic 18 2015	07:31:53.2	2.57	-76.59	Sup	0.8	0.5	255	8	CAJIBIO (CAUCA)
5278	Dic 18 2015	07:40:40.3	9.03	-75.17	16	0.9	0.4	117	10	EL ROBLE (SUCRE)
5279	Dic 18 2015	07:57: 1.9	6.79	-73.15	141	2.0	0.4	146	18	LOS SANTOS (SANTANDER)
5280	Dic 18 2015	08:15:28.9	5.90	-72.42	Sup	1.0	0.3	273	8	PISVA (BOYACA)
5281	Dic 18 2015	08:48:44.0	6.82	-73.14	143	2.3	0.4	135	28	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5282	Dic 18 2015	08:57:54.1	6.53	-73.51	115	2.7	0.4	66	30	EL CARMEN (SANTANDER)
5283	Dic 18 2015	10:38:51.6	6.80	-73.14	142	2.9	0.5	71	48	LOS SANTOS (SANTANDER)
5284	Dic 18 2015	12:47:11.5	5.34	-76.34	85	1.8	0.6	184	14	BAGADO (CHOCO)
5285	Dic 18 2015	13:10:26.6	6.79	-73.14	148	2.3	0.5	137	27	LOS SANTOS (SANTANDER)
5286	Dic 18 2015	13:18:27.4	7.02	-76.13	Sup	2.1	0.6	137	15	DABEIBA (ANTIOQUIA)
5287	Dic 18 2015	16:23:16.4	6.80	-73.12	149	2.7	0.5	102	40	LOS SANTOS (SANTANDER)
5288	Dic 18 2015	16:54:59.6	6.81	-73.13	147	1.9	0.5	138	15	LOS SANTOS (SANTANDER)
5289	Dic 18 2015	17:18:31.8	6.81	-73.15	145	2.1	0.4	135	24	LOS SANTOS (SANTANDER)
5290	Dic 18 2015	18:14:41.2	6.78	-73.14	145	2.0	0.5	183	18	LOS SANTOS (SANTANDER)
5291	Dic 18 2015	18:15:37.7	8.06	-77.70	Sup	2.8	0.6	205	19	FRONTERA CON PANAMA
5292	Dic 18 2015	21:50:37.2	6.87	-73.29	124	2.6	0.5	53	45	BETULIA (SANTANDER)
5293	Dic 18 2015	23:44:21.9	6.79	-73.11	147	2.4	0.5	103	34	LOS SANTOS (SANTANDER)
5294	Dic 19 2015	00:05:19.9	6.77	-73.15	136	2.1	0.4	137	22	LOS SANTOS (SANTANDER)
5295	Dic 19 2015	00:15:14.5	6.79	-73.13	143	2.7	0.4	137	30	LOS SANTOS (SANTANDER)
5296	Dic 19 2015	00:30:29.9	6.78	-73.13	147	2.5	0.4	138	24	LOS SANTOS (SANTANDER)
5297	Dic 19 2015	00:34: 7.7	4.62	-76.16	97	2.0	0.4	142	17	VERSALLES (VALLE)
5298	Dic 19 2015	00:49:20.4	6.82	-73.14	144	2.2	0.5	119	34	LOS SANTOS (SANTANDER)
5299	Dic 19 2015	01:51:49.1	6.80	-73.12	151	2.5	0.5	121	45	LOS SANTOS (SANTANDER)
5300	Dic 19 2015	03:43:36.5	9.22	-76.95	71	2.3	0.7	157	26	MAR CARIBE
5301	Dic 19 2015	04:00:36.7	5.27	-73.75	153	1.9	0.5	76	23	CUCUNUBA (CUNDINAMARCA)
5302	Dic 19 2015	04:47:35.7	5.92	-73.83	114	2.6	0.6	43	56	SUCRE (SANTANDER)
5303	Dic 19 2015	06:25:14.6	6.32	-73.93	26	1.8	0.4	75	22	CIMITARRA (SANTANDER)
5304	Dic 19 2015	06:51: 4.3	6.81	-73.13	149	3.4	0.6	53	0	LOS SANTOS (SANTANDER)
5305	Dic 19 2015	06:51: 4.3	6.81	-73.13	149	3.4	0.6	53	68	LOS SANTOS (SANTANDER)
5306	Dic 19 2015	07:39:32.1	5.26	-73.74	147	1.8	0.4	132	27	CUCUNUBA (CUNDINAMARCA)
5307	Dic 19 2015	08:44:59.7	7.85	-75.05	18	1.8	0.5	79	16	CAUCASIA (ANTIOQUIA)
5308	Dic 19 2015	08:56: 7.2	6.80	-73.13	151	1.9	0.4	184	16	LOS SANTOS (SANTANDER)
5309	Dic 19 2015	09:25:30.8	6.81	-73.13	146	1.9	0.4	184	14	LOS SANTOS (SANTANDER)
5310	Dic 19 2015	09:48:54.0	6.71	-73.38	125	1.6	0.4	140	10	GALAN (SANTANDER)
5311	Dic 19 2015	10:00:35.4	4.10	-76.38	135	1.5	0.6	176	9	RIOFRIO (VALLE)
5312	Dic 19 2015	11:11: 4.3	7.30	-72.27	154	2.1	0.6	258	12	TOLEDO (N.SANTANDER)
5313	Dic 19 2015	11:28:57.3	4.05	-77.23	34	2.4	0.7	167	27	BUENAVENTURA (VALLE)
5314	Dic 19 2015	14:08:20.2	6.54	-73.11	173	2.0	0.4	224	10	SAN GIL (SANTANDER)
5315	Dic 19 2015	14:50:18.0	6.83	-73.18	144	1.9	0.3	198	11	ZAPATOCA (SANTANDER)
5316	Dic 19 2015	20:19: 7.6	6.79	-73.15	137	3.3	0.5	71	45	LOS SANTOS (SANTANDER)
5317	Dic 19 2015	21:37:11.8	5.10	-72.77	Sup	2.2	0.6	160	20	TAURAMENA (CASANARE)
5318	Dic 19 2015	22:08:27.1	9.73	-73.20	Sup	2.1	0.3	170	9	BECERRIL (CESAR)
5319	Dic 19 2015	22:38: 6.9	3.79	-77.18	32	1.8	0.2	241	9	O. PACIFICO SUR
5320	Dic 19 2015	22:54: 1.6	6.80	-73.16	145	1.9	0.4	199	15	LOS SANTOS (SANTANDER)
5321	Dic 20 2015	00:37: 7.9	4.39	-76.28	6	1.4	0.5	173	10	BOLIVAR (VALLE)
5322	Dic 20 2015	01:31:16.6	6.74	-73.40	113	1.4	0.3	164	10	EL CARMEN (SANTANDER)
5323	Dic 20 2015	02:35:40.3	6.76	-73.13	138	2.2	0.4	184	23	LOS SANTOS (SANTANDER)
5324	Dic 20 2015	02:36:53.9	5.62	-73.31	Sup	1.4	0.3	218	15	COMBITA (BOYACA)
5325	Dic 20 2015	03:11:45.4	5.96	-73.68	113	1.5	0.2	135	11	GUAVATA (SANTANDER)
5326	Dic 20 2015	03:59: 1.0	6.78	-73.14	145	1.6	0.3	183	13	LOS SANTOS (SANTANDER)
5327	Dic 20 2015	04:36: 8.0	6.52	-73.58	109	1.3	0.4	93	15	EL CARMEN (SANTANDER)
5328	Dic 20 2015	06:05:57.7	6.80	-73.12	147	1.6	0.4	185	18	LOS SANTOS (SANTANDER)
5329	Dic 20 2015	07:12:29.5	5.06	-74.63	Sup	1.9	0.4	147	24	GUADUAS (CUNDINAMARCA)
5330	Dic 20 2015	07:48:48.2	6.63	-73.18	154	1.4	0.2	230	6	VILLANUEVA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5331	Dic 20 2015	08:15:21.8	5.01	-76.30	103	1.4	0.3	196	15	SAN JOSE DEL PALMAR (CHOCO)
5332	Dic 20 2015	09:22: 9.7	6.33	-76.62	7	1.9	0.4	129	20	VIGIA DEL FUERTE (ANTIOQUIA)
5333	Dic 20 2015	10:28:28.5	6.81	-73.17	150	1.8	0.4	180	16	LOS SANTOS (SANTANDER)
5334	Dic 20 2015	10:52: 6.8	8.53	-74.30	68	1.8	0.3	189	7	TIQUISIO (BOLIVAR)
5335	Dic 20 2015	11:07:57.9	7.56	-73.85	32	2.4	0.5	84	22	SAN PABLO (BOLIVAR)
5336	Dic 20 2015	11:28:12.7	6.86	-73.27	125	2.2	0.4	164	16	BETULIA (SANTANDER)
5337	Dic 20 2015	14:22:53.9	6.88	-76.27	Sup	1.8	0.4	206	16	URAMITA (ANTIOQUIA)
5338	Dic 20 2015	15:47: 0.9	6.73	-76.69	Sup	3.1	0.7	78	51	VIGIA DEL FUERTE (ANTIOQUIA)
5339	Dic 20 2015	19:31:27.2	6.79	-73.14	149	1.9	0.4	201	16	LOS SANTOS (SANTANDER)
5340	Dic 20 2015	19:58: 7.5	6.80	-73.17	147	2.3	0.4	133	20	LOS SANTOS (SANTANDER)
5341	Dic 20 2015	20:57:11.9	5.42	-73.78	137	2.7	0.5	113	47	FUQUENE (CUNDINAMARCA)
5342	Dic 20 2015	22:05:22.9	6.80	-73.13	151	2.1	0.4	137	26	LOS SANTOS (SANTANDER)
5343	Dic 21 2015	00:06:46.9	6.74	-73.08	144	1.6	0.3	147	14	JORDAN (SANTANDER)
5344	Dic 21 2015	00:48:22.1	6.80	-73.15	140	2.0	0.4	135	24	LOS SANTOS (SANTANDER)
5345	Dic 21 2015	01:00:45.4	6.77	-73.10	149	1.5	0.3	143	13	LOS SANTOS (SANTANDER)
5346	Dic 21 2015	01:02:48.2	5.91	-75.78	21	1.4	0.5	111	12	TARSO (ANTIOQUIA)
5347	Dic 21 2015	01:27:30.9	6.82	-73.09	150	2.2	0.4	143	28	LOS SANTOS (SANTANDER)
5348	Dic 21 2015	01:39: 9.1	6.69	-73.13	143	1.4	0.3	169	10	VILLANUEVA (SANTANDER)
5349	Dic 21 2015	02:31:36.1	4.59	-75.99	122	1.1	0.2	171	7	OBANDO (VALLE)
5350	Dic 21 2015	02:37: 1.7	6.82	-73.07	142	1.5	0.3	190	11	LOS SANTOS (SANTANDER)
5351	Dic 21 2015	02:44:20.2	4.78	-76.16	101	1.4	0.2	122	12	EL CAIRO (VALLE)
5352	Dic 21 2015	02:54:47.4	6.75	-73.16	147	1.4	0.3	232	12	LOS SANTOS (SANTANDER)
5353	Dic 21 2015	04:00:55.7	8.27	-77.15	25	2.2	0.2	121	16	UNGUIA (CHOCO)
5354	Dic 21 2015	04:44:44.1	4.64	-76.31	109	1.9	0.3	185	14	VERSALLES (VALLE)
5355	Dic 21 2015	05:12:33.1	6.80	-73.15	137	2.1	0.5	136	28	LOS SANTOS (SANTANDER)
5356	Dic 21 2015	06:11: 4.8	7.29	-73.20	121	1.5	0.3	185	9	RIONEGRO (SANTANDER)
5357	Dic 21 2015	06:22: 2.9	6.56	-73.58	105	1.5	0.4	122	14	EL CARMEN (SANTANDER)
5358	Dic 21 2015	06:30:15.9	8.93	-73.12	131	1.8	0.1	206	10	EL TARRA (N.SANTANDER)
5359	Dic 21 2015	06:45:25.9	6.82	-76.24	10	1.5	0.3	204	10	URAMITA (ANTIOQUIA)
5360	Dic 21 2015	07:45:11.6	5.58	-74.06	107	1.3	0.1	197	8	SAN PABLO DE BORBUR (BOYACA)
5361	Dic 21 2015	07:51:58.4	4.95	-76.04	117	1.5	0.4	103	10	EL AGUILA (VALLE)
5362	Dic 21 2015	08:10:38.3	6.83	-73.33	123	1.5	0.5	147	16	ZAPATOCA (SANTANDER)
5363	Dic 21 2015	08:40:31.4	2.65	-76.64	Sup	1.6	0.3	149	8	CAJIBIO (CAUCA)
5364	Dic 21 2015	09:15:45.9	6.80	-73.13	144	1.6	0.4	200	14	LOS SANTOS (SANTANDER)
5365	Dic 21 2015	09:42: 7.5	6.81	-73.12	141	2.1	0.4	138	24	LOS SANTOS (SANTANDER)
5366	Dic 21 2015	10:08: 5.5	6.85	-73.13	151	2.9	0.6	70	65	LOS SANTOS (SANTANDER)
5367	Dic 21 2015	10:29:31.0	6.80	-73.14	145	2.2	0.5	136	29	LOS SANTOS (SANTANDER)
5368	Dic 21 2015	10:50:41.8	6.83	-73.16	147	2.9	0.5	63	56	LOS SANTOS (SANTANDER)
5369	Dic 21 2015	11:15:39.5	6.82	-73.15	145	2.5	0.5	134	38	LOS SANTOS (SANTANDER)
5370	Dic 21 2015	12:35: 4.7	4.15	-71.30	Sup	2.3	0.3	311	9	OROCUE (CASANARE)
5371	Dic 21 2015	16:48:45.2	5.87	-73.63	122	1.7	0.2	155	10	PUENTE NACIONAL (SANTANDER)
5372	Dic 21 2015	17:36:34.9	6.77	-73.14	146	1.5	0.4	235	9	LOS SANTOS (SANTANDER)
5373	Dic 21 2015	18:36:18.4	6.07	-76.51	Sup	2.4	0.5	130	33	MEDIO ATRATO (CHOCO)
5374	Dic 21 2015	19:19:25.2	6.66	-73.52	99	2.0	0.5	124	16	EL CARMEN (SANTANDER)
5375	Dic 21 2015	20:57:34.2	6.72	-76.71	14	2.1	0.7	119	16	VIGIA DEL FUERTE (ANTIOQUIA)
5376	Dic 21 2015	21:38:40.7	6.79	-73.14	144	2.1	0.5	201	16	LOS SANTOS (SANTANDER)
5377	Dic 21 2015	22:11:54.8	6.77	-73.19	144	2.0	0.5	196	12	ZAPATOCA (SANTANDER)
5378	Dic 21 2015	23:06:33.3	5.24	-73.72	144	2.4	0.5	79	30	CUCUNUBA (CUNDINAMARCA)
5379	Dic 21 2015	23:08:11.6	6.81	-73.14	150	2.7	0.5	53	52	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5380	Dic 22 2015	02:21:19.8	7.49	-73.17	136	2.4	0.6	69	48	EL PLAYON (SANTANDER)
5381	Dic 22 2015	02:42:10.2	7.55	-77.23	16	1.9	0.4	209	12	RIOSUCIO (CHOCO)
5382	Dic 22 2015	03:30:18.6	6.77	-73.11	132	1.7	0.5	238	13	LOS SANTOS (SANTANDER)
5383	Dic 22 2015	04:15:23.7	6.75	-73.14	145	1.5	0.3	233	10	LOS SANTOS (SANTANDER)
5384	Dic 22 2015	04:22:39.8	6.78	-73.16	141	1.4	0.4	245	10	LOS SANTOS (SANTANDER)
5385	Dic 22 2015	06:17:23.0	5.60	-77.73	32	1.7	0.6	207	18	O. PACIFICO CENTRO
5386	Dic 22 2015	06:36:56.4	6.75	-76.35	7	1.6	0.4	211	14	FRONTINO (ANTIOQUIA)
5387	Dic 22 2015	06:50:54.0	2.48	-75.43	25	0.9	0.4	167	10	HOBO (HUILA)
5388	Dic 22 2015	06:52:55.6	6.76	-73.16	150	1.4	0.4	209	10	LOS SANTOS (SANTANDER)
5389	Dic 22 2015	07:11:54.8	6.80	-73.11	140	2.0	0.6	186	27	LOS SANTOS (SANTANDER)
5390	Dic 22 2015	08:06: 0.4	6.00	-75.82	18	1.6	0.5	107	20	TITIRIBI (ANTIOQUIA)
5391	Dic 22 2015	08:48:58.0	6.78	-73.13	148	1.7	0.5	184	14	LOS SANTOS (SANTANDER)
5392	Dic 22 2015	08:58:26.0	5.27	-73.75	149	3.0	0.5	76	58	CUCUNUBA (CUNDINAMARCA)
5393	Dic 22 2015	09:07:25.9	6.79	-73.13	146	2.1	0.5	138	25	LOS SANTOS (SANTANDER)
5394	Dic 22 2015	09:22:40.6	6.81	-73.14	146	2.0	0.5	184	27	LOS SANTOS (SANTANDER)
5395	Dic 22 2015	09:56: 0.5	3.92	-71.36	Sup	2.4	0.6	264	17	PUERTO GAITAN (META)
5396	Dic 22 2015	10:01:24.3	6.81	-73.10	148	2.0	0.4	188	23	LOS SANTOS (SANTANDER)
5397	Dic 22 2015	10:18:59.7	11.07	-73.60	Sup	1.7	0.2	176	7	PUEBLO BELLO (CESAR)
5398	Dic 22 2015	10:27:46.7	6.80	-73.11	144	2.0	0.4	158	19	LOS SANTOS (SANTANDER)
5399	Dic 22 2015	11:02:13.5	5.13	-73.05	Sup	1.4	0.3	137	11	PAEZ (BOYACA)
5400	Dic 22 2015	11:47:34.3	7.16	-71.94	Sup	2.4	0.4	89	26	FRONTERA CON VENEZUELA
5401	Dic 22 2015	12:58: 5.7	6.73	-76.69	6	2.0	0.4	149	14	VIGIA DEL FUERTE (ANTIOQUIA)
5402	Dic 22 2015	13:34:28.5	6.79	-73.16	149	2.0	0.4	199	15	LOS SANTOS (SANTANDER)
5403	Dic 22 2015	13:46:43.2	6.79	-73.09	135	2.1	0.4	205	21	LOS SANTOS (SANTANDER)
5404	Dic 22 2015	14:02:20.1	4.06	-76.25	10	1.8	0.4	129	14	TULUA (VALLE)
5405	Dic 22 2015	14:12:23.5	4.78	-76.17	103	1.9	0.4	128	18	EL CAIRO (VALLE)
5406	Dic 22 2015	15:28: 9.7	7.89	-75.05	21	2.5	0.3	154	14	CAUCASIA (ANTIOQUIA)
5407	Dic 22 2015	15:33:38.9	6.78	-73.10	144	1.8	0.3	258	6	LOS SANTOS (SANTANDER)
5408	Dic 22 2015	16:28:15.8	12.06	-72.63	32	2.5	0.3	239	13	MAR CARIBE
5409	Dic 22 2015	19:46:24.1	2.05	-76.09	Sup	0.9	0.3	201	6	SALADOBLANCO (HUILA)
5410	Dic 22 2015	21:44:51.7	4.10	-75.31	22	1.7	0.1	146	8	ROVIRA (TOLIMA)
5411	Dic 22 2015	22:04:48.5	4.96	-74.69	8	1.5	0.4	147	12	CHAGUANI (CUNDINAMARCA)
5412	Dic 23 2015	00:21: 7.8	6.80	-73.15	132	1.9	0.5	135	19	LOS SANTOS (SANTANDER)
5413	Dic 23 2015	00:34:31.8	6.79	-73.13	152	1.7	0.4	202	17	LOS SANTOS (SANTANDER)
5414	Dic 23 2015	02:44:57.6	6.80	-73.11	138	1.6	0.4	241	15	LOS SANTOS (SANTANDER)
5415	Dic 23 2015	03:05:13.8	9.84	-73.25	123	2.5	0.4	162	30	BECERRIL (CESAR)
5416	Dic 23 2015	03:47:37.1	6.53	-73.52	110	1.8	0.5	74	26	EL CARMEN (SANTANDER)
5417	Dic 23 2015	04:30:46.9	3.64	-76.32	123	1.5	0.3	158	9	EL CERRITO (VALLE)
5418	Dic 23 2015	05:10:37.0	6.77	-73.13	145	1.6	0.5	184	16	LOS SANTOS (SANTANDER)
5419	Dic 23 2015	05:48:58.3	3.88	-76.32	118	1.1	0.1	253	8	BUGA (VALLE)
5420	Dic 23 2015	05:59:27.9	4.02	-73.92	10	1.6	0.5	168	12	ACACIAS (META)
5421	Dic 23 2015	06:14:50.9	5.52	-72.37	Sup	1.6	0.6	206	15	PAYA (BOYACA)
5422	Dic 23 2015	07:13:32.1	4.82	-75.37	Sup	1.9	0.3	138	10	MURILLO (TOLIMA)
5423	Dic 23 2015	07:15:41.1	6.74	-73.14	143	1.9	0.5	182	16	LOS SANTOS (SANTANDER)
5424	Dic 23 2015	07:40:43.0	9.94	-72.88	135	2.2	0.5	167	15	FRONTERA CON VENEZUELA
5425	Dic 23 2015	08:38:24.4	6.77	-73.12	141	1.8	0.4	185	24	LOS SANTOS (SANTANDER)
5426	Dic 23 2015	09:43:54.8	5.73	-79.35	32	2.7	0.4	202	25	O. PACIFICO NORTE
5427	Dic 23 2015	10:36:24.3	2.19	-77.65	108	1.9	0.3	207	14	ARGELIA (CAUCA)
5428	Dic 23 2015	11:07:59.0	6.81	-73.12	141	2.0	0.4	203	19	LOS SANTOS (SANTANDER)
5429	Dic 23 2015	11:28:32.0	6.80	-73.15	143	1.9	0.3	200	16	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5430	Dic 23 2015	13:55:28.7	7.56	-75.26	19	2.1	0.4	114	18	CACERES (ANTIOQUIA)
5431	Dic 23 2015	13:59: 8.8	6.81	-73.13	149	1.9	0.4	240	12	LOS SANTOS (SANTANDER)
5432	Dic 23 2015	16:20:10.5	6.79	-73.15	140	2.1	0.3	135	19	LOS SANTOS (SANTANDER)
5433	Dic 23 2015	16:27:42.1	4.37	-76.08	140	1.4	0.4	125	7	ZARZAL (VALLE)
5434	Dic 23 2015	17:34:55.9	4.16	-76.88	68	2.3	0.4	215	22	BUENAVENTURA (VALLE)
5435	Dic 23 2015	17:41: 5.4	7.31	-76.67	Sup	2.3	0.4	106	16	MUTATA (ANTIOQUIA)
5436	Dic 23 2015	21:29:40.6	6.78	-73.13	146	2.0	0.4	156	14	LOS SANTOS (SANTANDER)
5437	Dic 23 2015	22:23: 7.1	6.78	-73.17	146	1.8	0.5	234	13	LOS SANTOS (SANTANDER)
5438	Dic 23 2015	22:30: 5.7	11.24	-72.02	66	3.3	0.5	146	52	FRONTERA CON VENEZUELA
5439	Dic 23 2015	22:49:16.9	4.33	-75.71	Sup	1.0	0.3	109	10	PIJAO (QUINDIO)
5440	Dic 23 2015	22:56:21.8	2.60	-75.11	Sup	2.0	0.5	98	23	ALGECIRAS (HUILA)
5441	Dic 23 2015	23:17:21.3	6.80	-73.13	148	1.7	0.4	202	14	LOS SANTOS (SANTANDER)
5442	Dic 23 2015	23:28:30.9	2.94	-76.10	7	1.3	0.2	148	10	TORIBIO (CAUCA)
5443	Dic 23 2015	23:30:57.5	6.51	-73.54	109	1.9	0.4	134	16	EL CARMEN (SANTANDER)
5444	Dic 24 2015	02:01:30.6	6.83	-73.17	96	1.3	0.5	237	9	ZAPATOCA (SANTANDER)
5445	Dic 24 2015	03:40:43.7	7.43	-73.36	110	1.6	0.5	165	12	SABANA DE TORRES (SANTANDER)
5446	Dic 24 2015	03:57:37.2	6.80	-73.15	139	1.6	0.5	237	18	LOS SANTOS (SANTANDER)
5447	Dic 24 2015	03:59:40.4	6.78	-73.13	145	1.5	0.4	237	16	LOS SANTOS (SANTANDER)
5448	Dic 24 2015	04:31:53.2	6.83	-73.16	149	2.5	0.5	69	52	LOS SANTOS (SANTANDER)
5449	Dic 24 2015	05:09: 5.4	5.29	-75.50	Sup	1.2	0.4	152	8	ARANZAZU (CALDAS)
5450	Dic 24 2015	05:43:28.9	6.79	-73.06	143	1.6	0.4	219	14	LOS SANTOS (SANTANDER)
5451	Dic 24 2015	06:02: 1.1	8.57	-77.73	20	2.0	0.4	152	10	FRONTERA CON PANAMA
5452	Dic 24 2015	06:12:44.9	3.85	-71.31	Sup	2.4	0.6	292	10	PUERTO GAITAN (META)
5453	Dic 24 2015	06:23:58.4	6.79	-73.15	150	1.4	0.5	211	13	LOS SANTOS (SANTANDER)
5454	Dic 24 2015	06:42: 2.0	7.25	-72.17	Sup	1.7	0.5	103	21	CUBARA (BOYACA)
5455	Dic 24 2015	06:51:12.9	6.59	-73.63	100	1.2	0.2	115	8	EL CARMEN (SANTANDER)
5456	Dic 24 2015	06:54:58.5	6.76	-73.16	142	1.6	0.5	181	16	LOS SANTOS (SANTANDER)
5457	Dic 24 2015	07:35:26.0	2.27	-75.78	Sup	1.6	0.5	91	18	PITAL (HUILA)
5458	Dic 24 2015	07:35:43.5	5.61	-72.80	Sup	1.8	0.4	104	10	MONGUI (BOYACA)
5459	Dic 24 2015	07:40: 9.7	7.46	-73.19	133	2.8	0.5	99	49	EL PLAYON (SANTANDER)
5460	Dic 24 2015	09:40:10.6	8.61	-73.10	133	2.0	0.3	261	10	EL TARRA (N.SANTANDER)
5461	Dic 24 2015	09:41:48.1	6.92	-76.67	Sup	2.2	0.5	133	29	MURINDO (ANTIOQUIA)
5462	Dic 24 2015	10:15:10.5	6.82	-73.15	146	1.6	0.2	201	11	LOS SANTOS (SANTANDER)
5463	Dic 24 2015	10:21:58.0	4.94	-76.03	112	2.1	0.2	100	16	EL AGUILA (VALLE)
5464	Dic 24 2015	11:16: 3.9	2.96	-76.38	Sup	1.8	0.4	148	18	CALOTO (CAUCA)
5465	Dic 24 2015	13:46:22.9	7.15	-71.97	Sup	2.6	0.3	128	31	FRONTERA CON VENEZUELA
5466	Dic 24 2015	14:03:26.8	6.93	-76.67	Sup	2.6	0.4	133	26	MURINDO (ANTIOQUIA)
5467	Dic 24 2015	16:06:27.9	6.83	-73.11	140	2.6	0.4	71	46	LOS SANTOS (SANTANDER)
5468	Dic 24 2015	16:33:55.0	6.83	-73.14	139	2.2	0.4	135	25	LOS SANTOS (SANTANDER)
5469	Dic 24 2015	16:44:44.0	6.64	-73.38	118	1.7	0.3	141	10	GALAN (SANTANDER)
5470	Dic 24 2015	17:43:17.9	6.79	-73.12	144	1.8	0.3	245	14	LOS SANTOS (SANTANDER)
5471	Dic 24 2015	19:02:19.0	3.83	-71.35	Sup	2.6	0.4	265	12	PUERTO GAITAN (META)
5472	Dic 24 2015	19:13:56.7	6.82	-73.15	147	3.6	0.5	67	0	LOS SANTOS (SANTANDER)
5473	Dic 24 2015	19:13:56.7	6.82	-73.15	147	3.6	0.5	67	62	LOS SANTOS (SANTANDER)
5474	Dic 24 2015	19:44:46.7	6.81	-73.16	137	1.9	0.4	133	16	LOS SANTOS (SANTANDER)
5475	Dic 24 2015	22:12: 2.4	7.09	-73.30	122	1.9	0.5	99	16	LEBRIJA (SANTANDER)
5476	Dic 24 2015	22:44:51.9	3.88	-71.43	Sup	2.4	0.8	230	14	PUERTO GAITAN (META)
5477	Dic 25 2015	00:33:16.2	6.74	-73.19	152	1.4	0.4	227	11	VILLANUEVA (SANTANDER)
5478	Dic 25 2015	00:39: 0.7	3.69	-76.04	17	1.4	0.5	139	11	GINEBRA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5479	Dic 25 2015	01:14:50.3	6.17	-75.97	23	2.1	0.6	151	22	BETULIA (ANTIOQUIA)
5480	Dic 25 2015	02:01:22.8	4.33	-75.71	Sup	1.4	0.3	109	11	PIJAO (QUINDIO)
5481	Dic 25 2015	02:01:33.1	4.33	-75.72	6	1.4	0.6	109	18	PIJAO (QUINDIO)
5482	Dic 25 2015	02:17:35.0	5.77	-75.93	57	1.6	0.2	117	11	HISPANIA (ANTIOQUIA)
5483	Dic 25 2015	02:33:25.5	7.34	-75.51	17	1.4	0.2	113	10	VALDIVIA (ANTIOQUIA)
5484	Dic 25 2015	02:43:26.8	6.80	-73.13	139	1.6	0.4	202	13	LOS SANTOS (SANTANDER)
5485	Dic 25 2015	03:40:42.5	6.82	-73.09	140	1.4	0.6	205	12	LOS SANTOS (SANTANDER)
5486	Dic 25 2015	03:45: 5.1	5.35	-72.75	Sup	1.7	0.5	171	16	PAJARITO (BOYACA)
5487	Dic 25 2015	03:48:56.7	10.37	-73.44	80	1.3	0.1	146	8	PUEBLO BELLO (CESAR)
5488	Dic 25 2015	04:12:54.3	7.30	-76.68	10	1.8	0.4	167	12	MUTATA (ANTIOQUIA)
5489	Dic 25 2015	04:16: 3.4	5.75	-74.43	Sup	1.2	0.4	112	14	PUERTO TRIUNFO (ANTIOQUIA)
5490	Dic 25 2015	04:56:29.1	8.47	-74.15	67	1.8	0.3	158	10	TIQUISIO (BOLIVAR)
5491	Dic 25 2015	05:17: 9.4	6.89	-73.29	121	2.4	0.5	54	46	BETULIA (SANTANDER)
5492	Dic 25 2015	05:35:46.2	5.69	-72.70	Sup	1.0	0.2	252	8	MONGUA (BOYACA)
5493	Dic 25 2015	05:45:12.4	8.66	-73.56	84	1.8	0.5	180	16	PELAYA (CESAR)
5494	Dic 25 2015	07:22: 7.7	6.09	-73.67	110	1.1	0.5	137	10	CHIPATA (SANTANDER)
5495	Dic 25 2015	07:49: 6.6	9.79	-74.00	68	1.4	0.5	117	10	BOSCONIA (CESAR)
5496	Dic 25 2015	07:53:14.7	6.78	-73.23	133	1.0	0.5	221	8	ZAPATOCA (SANTANDER)
5497	Dic 25 2015	07:56:24.0	6.81	-73.14	141	1.7	0.5	151	20	LOS SANTOS (SANTANDER)
5498	Dic 25 2015	08:05:23.5	6.65	-73.13	142	1.1	0.4	271	7	VILLANUEVA (SANTANDER)
5499	Dic 25 2015	08:49:44.8	8.24	-74.38	32	2.0	0.4	118	20	MONTECRISTO (BOLIVAR)
5500	Dic 25 2015	10:16:40.1	6.79	-73.13	142	1.3	0.4	217	11	LOS SANTOS (SANTANDER)
5501	Dic 25 2015	10:36:46.9	7.42	-73.19	129	1.6	0.4	187	10	EL PLAYON (SANTANDER)
5502	Dic 25 2015	11:01:26.2	6.26	-73.89	93	1.4	0.4	131	14	CIMITARRA (SANTANDER)
5503	Dic 25 2015	11:23:30.5	7.27	-76.96	18	2.2	0.4	170	25	RIOSUCIO (CHOCO)
5504	Dic 25 2015	12:22: 5.7	6.69	-73.14	148	1.4	0.3	229	10	VILLANUEVA (SANTANDER)
5505	Dic 25 2015	12:51:41.6	6.76	-73.07	155	1.5	0.3	273	9	LOS SANTOS (SANTANDER)
5506	Dic 25 2015	13:04:40.7	7.32	-75.25	17	1.4	0.3	133	10	VALDIVIA (ANTIOQUIA)
5507	Dic 25 2015	14:41:55.9	4.79	-76.11	118	2.6	0.3	103	27	ARGELIA (VALLE)
5508	Dic 25 2015	15:17:14.4	4.09	-76.11	Sup	2.9	0.4	103	41	TULUA (VALLE)
5509	Dic 25 2015	15:22:26.6	6.79	-73.17	141	1.7	0.2	180	14	LOS SANTOS (SANTANDER)
5510	Dic 25 2015	15:59:43.7	6.64	-76.71	22	2.1	0.4	118	12	VIGIA DEL FUERTE (ANTIOQUIA)
5511	Dic 25 2015	16:33: 5.2	6.51	-73.53	113	1.8	0.3	91	15	EL CARMEN (SANTANDER)
5512	Dic 25 2015	16:45:17.1	6.80	-73.33	125	1.8	0.3	143	14	ZAPATOCA (SANTANDER)
5513	Dic 25 2015	16:54: 8.2	6.88	-73.26	122	1.6	0.2	167	16	BETULIA (SANTANDER)
5514	<u>Dic 25 2015</u>	<u>17:35:59.1</u>	<u>2.37</u>	<u>-76.36</u>	<u>6</u>	<u>3.8</u>	<u>0.7</u>	<u>83</u>	<u>55</u>	<u>VOLCAN PURACE (CAUCA)</u>
5515	Dic 25 2015	17:49:29.0	6.81	-73.16	145	2.5	0.4	133	24	LOS SANTOS (SANTANDER)
5516	Dic 25 2015	19:14:17.5	11.15	-72.80	Sup	2.1	0.5	298	8	MANAURE BALCON CESAR (CESAR)
5517	Dic 25 2015	19:44:20.7	6.79	-73.14	151	2.2	0.4	137	22	LOS SANTOS (SANTANDER)
5518	Dic 25 2015	21:04:59.8	3.42	-76.31	137	1.8	0.2	154	10	CANDELARIA (VALLE)
5519	Dic 25 2015	22:17:17.0	2.48	-75.48	Sup	3.0	0.5	77	0	HOBO (HUILA)
5520	Dic 25 2015	22:17:17.0	2.48	-75.48	0	3.0	0.5	77	43	HOBO (HUILA)
5521	Dic 25 2015	23:03:48.9	6.79	-73.12	145	2.4	0.5	139	37	LOS SANTOS (SANTANDER)
5522	Dic 26 2015	00:03:50.5	4.46	-76.23	112	1.5	0.3	161	8	EL DOVIO (VALLE)
5523	Dic 26 2015	00:43: 1.6	6.48	-73.60	107	1.4	0.3	71	16	SANTA HELENA DEL OPO (SANTANDER)
5524	Dic 26 2015	01:13:47.6	9.03	-77.90	66	2.6	0.5	182	17	FRONTERA CON PANAMA
5525	Dic 26 2015	01:19:39.6	4.73	-76.20	104	1.6	0.4	145	14	EL CAIRO (VALLE)
5526	Dic 26 2015	02:26:41.4	6.72	-73.16	145	1.3	0.4	229	11	VILLANUEVA (SANTANDER)
5527	Dic 26 2015	04:20:57.3	5.90	-76.12	47	1.0	0.3	235	8	EL CARMEN (CHOCO)
5528	Dic 26 2015	04:57:20.9	11.01	-73.61	7	1.8	0.3	166	13	PUEBLO BELLO (CESAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5529	Dic 26 2015	06:05:43.8	6.70	-73.27	138	1.1	0.6	265	8	GALAN (SANTANDER)
5530	Dic 26 2015	06:22:14.9	6.81	-73.13	152	2.8	0.5	71	51	LOS SANTOS (SANTANDER)
<u>5531</u>	<u>Dic 26 2015</u>	<u>07:20:22.0</u>	<u>4.35</u>	<u>-73.74</u>	<u>Sup</u>	<u>3.1</u>	<u>0.8</u>	<u>166</u>	<u>59</u>	<u>EL CALVARIO (META)</u>
5532	Dic 26 2015	07:30:11.8	6.85	-73.15	145	1.6	0.5	194	12	LOS SANTOS (SANTANDER)
5533	Dic 26 2015	09:12:45.3	8.07	-73.49	105	1.3	0.3	200	8	SAN MARTIN (CESAR)
5534	Dic 26 2015	10:31:23.8	6.80	-73.29	143	2.1	0.4	152	25	ZAPATOCA (SANTANDER)
5535	Dic 26 2015	10:47:32.2	6.86	-73.34	113	1.4	0.3	170	8	SAN VICENTE DE CHUCURI (SANTANDER)
5536	Dic 26 2015	11:00:42.8	6.04	-73.71	112	1.7	0.3	77	16	VELEZ (SANTANDER)
5537	Dic 26 2015	11:22:11.3	6.76	-73.14	149	1.7	0.3	201	12	LOS SANTOS (SANTANDER)
5538	Dic 26 2015	11:34:38.7	1.11	-78.72	91	2.5	0.4	176	18	FRONTERA CON ECUADOR
5539	Dic 26 2015	11:35:54.5	6.80	-73.16	147	2.4	0.3	181	24	LOS SANTOS (SANTANDER)
5540	Dic 26 2015	11:56: 2.2	6.79	-73.17	141	1.5	0.4	242	10	LOS SANTOS (SANTANDER)
5541	Dic 26 2015	12:04:48.2	6.76	-73.13	141	1.7	0.4	183	14	LOS SANTOS (SANTANDER)
5542	Dic 26 2015	12:46:16.0	6.79	-73.20	141	1.5	0.2	239	8	ZAPATOCA (SANTANDER)
5543	Dic 26 2015	13:01: 8.7	4.97	-78.47	30	2.4	0.4	231	15	O. PACIFICO CENTRO
5544	Dic 26 2015	13:04:59.7	6.83	-73.12	151	4.2	0.4	53	0	LOS SANTOS (SANTANDER)
<u>5545</u>	<u>Dic 26 2015</u>	<u>13:04:59.7</u>	<u>6.83</u>	<u>-73.12</u>	<u>151</u>	<u>4.2</u>	<u>0.4</u>	<u>53</u>	<u>84</u>	<u>LOS SANTOS (SANTANDER)</u>
5546	Dic 26 2015	13:41:50.2	0.40	-77.25	Sup	2.2	0.4	241	13	SAN MIGUEL (PUTUMAYO)
5547	Dic 26 2015	15:44:29.7	4.38	-73.71	Sup	1.4	0.5	152	11	EL CALVARIO (META)
5548	Dic 26 2015	17:38:38.9	5.80	-74.06	96	1.5	0.2	169	9	FLORIAN (SANTANDER)
5549	Dic 26 2015	17:42:11.4	6.14	-76.43	Sup	1.4	0.3	243	9	URRAO (ANTIOQUIA)
5550	Dic 26 2015	18:23:11.5	3.24	-74.48	Sup	1.4	0.3	161	7	URIBE (META)
5551	Dic 26 2015	18:30:20.9	7.45	-75.15	53	1.4	0.1	134	6	CACERES (ANTIOQUIA)
5552	Dic 26 2015	18:54:54.7	2.50	-75.48	Sup	1.6	0.1	156	8	HOBO (HUILA)
5553	Dic 26 2015	19:38:26.3	6.79	-73.16	143	2.3	0.3	135	22	LOS SANTOS (SANTANDER)
5554	Dic 26 2015	20:18:19.0	7.15	-71.97	Sup	1.9	0.4	128	14	FRONTERA CON VENEZUELA
5555	Dic 26 2015	21:18:48.8	5.06	-77.66	25	2.2	0.6	293	11	O. PACIFICO CENTRO
5556	Dic 26 2015	21:38:22.8	3.43	-73.98	Sup	2.4	0.6	150	36	MESETAS (META)
5557	Dic 26 2015	22:14:46.9	2.17	-75.59	23	1.3	0.4	104	9	GARZON (HUILA)
5558	Dic 26 2015	22:28: 4.7	4.42	-75.66	Sup	1.3	0.5	97	12	CORDOBA (QUINDIO)
5559	Dic 26 2015	23:15:13.5	6.79	-73.14	137	1.8	0.6	136	10	LOS SANTOS (SANTANDER)
5560	Dic 26 2015	23:45:37.4	6.78	-73.15	141	2.0	0.4	136	17	LOS SANTOS (SANTANDER)
5561	Dic 27 2015	00:44:53.1	2.53	-75.37	22	2.1	0.5	92	22	ALGECIRAS (HUILA)
5562	Dic 27 2015	00:59: 6.3	4.20	-76.28	132	2.1	0.5	156	20	TRUJILLO (VALLE)
5563	Dic 27 2015	01:43:17.1	8.77	-73.64	97	1.7	0.4	175	16	PELAYA (CESAR)
5564	Dic 27 2015	03:13:57.1	7.88	-76.01	8	1.5	0.3	273	9	TIERRALTA (CORDOBA)
5565	Dic 27 2015	03:55:19.2	6.28	-73.67	108	1.2	0.3	130	9	SANTA HELENA DEL OPO (SANTANDER)
5566	Dic 27 2015	04:28:21.2	6.83	-73.11	148	1.8	0.4	139	27	LOS SANTOS (SANTANDER)
5567	Dic 27 2015	04:47:51.7	6.76	-73.18	135	1.6	0.5	133	18	LOS SANTOS (SANTANDER)
5568	Dic 27 2015	05:51:18.4	6.82	-73.16	145	2.2	0.5	134	39	LOS SANTOS (SANTANDER)
5569	Dic 27 2015	06:18:45.2	6.82	-73.16	139	2.0	0.4	133	31	LOS SANTOS (SANTANDER)
5570	Dic 27 2015	06:21:50.1	4.13	-77.55	Sup	2.1	0.4	230	24	O. PACIFICO SUR
5571	Dic 27 2015	07:56:57.9	6.59	-73.52	95	1.1	0.3	105	12	EL CARMEN (SANTANDER)
5572	Dic 27 2015	08:05:50.2	6.97	-75.46	Sup	1.5	0.5	149	15	YARUMAL (ANTIOQUIA)
5573	Dic 27 2015	08:19:30.8	4.96	-77.45	16	1.1	0.5	286	7	O. PACIFICO CENTRO
5574	Dic 27 2015	08:54:18.5	5.43	-74.04	112	1.5	0.4	122	18	COPER (BOYACA)
5575	Dic 27 2015	09:26:40.8	11.23	-72.80	112	2.4	0.3	208	8	MANAURE BALCON CESAR (CESAR)
5576	Dic 27 2015	09:46:52.8	6.64	-73.19	133	1.3	0.1	216	7	VILLANUEVA (SANTANDER)
5577	Dic 27 2015	10:14:29.2	5.29	-73.76	142	3.0	0.4	128	26	CUCUNUBA (CUNDINAMARCA)
5578	Dic 27 2015	10:39:16.9	6.79	-73.15	150	2.1	0.3	136	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5579	Dic 27 2015	10:57: 4.4	6.76	-73.06	160	1.5	0.3	243	10	LOS SANTOS (SANTANDER)
5580	Dic 27 2015	11:27:36.8	4.02	-76.99	Sup	1.5	0.3	231	8	BUENAVENTURA (VALLE)
5581	Dic 27 2015	11:33: 9.6	5.92	-72.60	Sup	1.5	0.3	225	9	SOCHA (BOYACA)
5582	Dic 27 2015	12:27:21.1	6.78	-73.15	147	2.0	0.2	135	15	LOS SANTOS (SANTANDER)
5583	Dic 27 2015	14:11:39.6	6.82	-73.05	130	1.2	0.2	147	7	LOS SANTOS (SANTANDER)
5584	Dic 27 2015	14:37: 0.5	5.72	-73.93	108	1.7	0.1	129	12	TUNUNGUA (BOYACA)
5585	Dic 27 2015	15:00:28.3	6.81	-73.17	139	1.5	0.2	199	6	LOS SANTOS (SANTANDER)
5586	Dic 27 2015	15:10:10.8	7.02	-72.69	150	1.5	0.3	199	10	CHITAGA (N.SANTANDER)
5587	Dic 27 2015	15:15:51.0	7.48	-73.31	120	2.2	0.4	133	18	EL PLAYON (SANTANDER)
5588	Dic 27 2015	15:39:20.1	2.94	-76.37	Sup	1.4	0.3	145	11	CALOTO (CAUCA)
5589	Dic 27 2015	17:05:13.7	7.30	-76.05	Sup	1.9	0.3	201	12	ITUANGO (ANTIOQUIA)
5590	Dic 27 2015	17:07:19.7	6.80	-73.12	145	2.7	0.4	139	26	LOS SANTOS (SANTANDER)
5591	Dic 27 2015	17:52: 7.0	8.81	-77.08	55	2.1	0.3	182	12	MAR CARIBE
5592	Dic 27 2015	18:54:59.5	6.78	-73.17	143	1.4	0.2	134	9	LOS SANTOS (SANTANDER)
5593	Dic 27 2015	19:29: 2.1	6.81	-73.22	132	1.4	0.2	126	9	ZAPATOCA (SANTANDER)
5594	Dic 27 2015	20:41: 3.3	8.42	-73.05	154	1.6	0.3	217	9	HACARI (N.SANTANDER)
5595	Dic 27 2015	20:46:45.6	6.81	-73.19	143	1.5	0.3	186	10	ZAPATOCA (SANTANDER)
5596	Dic 27 2015	21:22:59.1	10.52	-73.68	72	1.9	0.2	132	8	PUEBLO BELLO (CESAR)
5597	Dic 27 2015	21:26:33.9	6.78	-73.15	142	1.4	0.3	140	12	LOS SANTOS (SANTANDER)
5598	Dic 27 2015	21:37:31.5	6.05	-73.56	120	1.3	0.2	97	8	GUEPSA (SANTANDER)
5599	Dic 27 2015	22:12:10.8	2.39	-75.66	Sup	1.4	0.1	124	10	TESALIA (HUILA)
5600	Dic 27 2015	22:15:57.6	6.54	-73.50	110	1.8	0.3	65	22	EL CARMEN (SANTANDER)
5601	Dic 27 2015	22:25:54.6	6.50	-73.61	111	1.4	0.3	133	12	SANTA HELENA DEL OPON (SANTANDER)
5602	Dic 27 2015	22:27:39.9	6.78	-73.14	147	1.4	0.3	137	12	LOS SANTOS (SANTANDER)
5603	Dic 27 2015	22:52: 3.2	2.00	-75.85	Sup	1.0	0.1	126	7	SUAZA (HUILA)
5604	Dic 28 2015	00:05: 9.3	6.78	-73.12	144	1.8	0.5	139	27	LOS SANTOS (SANTANDER)
5605	Dic 28 2015	00:39:53.2	6.79	-73.10	147	1.5	0.5	141	19	LOS SANTOS (SANTANDER)
5606	Dic 28 2015	01:13:59.2	6.79	-73.15	148	1.9	0.4	136	26	LOS SANTOS (SANTANDER)
5607	Dic 28 2015	01:29:15.4	6.95	-76.64	Sup	1.4	0.5	265	10	MURINDO (ANTIOQUIA)
5608	Dic 28 2015	02:39:41.1	10.73	-73.47	78	2.2	0.4	123	16	PUEBLO BELLO (CESAR)
5609	Dic 28 2015	03:29:18.5	6.80	-73.11	148	1.8	0.5	141	28	LOS SANTOS (SANTANDER)
5610	Dic 28 2015	05:24:33.6	6.14	-74.30	21	0.9	0.3	87	10	PUERTO NARE (ANTIOQUIA)
5611	Dic 28 2015	07:36: 5.0	6.78	-73.12	152	1.5	0.5	221	15	LOS SANTOS (SANTANDER)
5612	Dic 28 2015	08:17:51.0	10.28	-73.33	99	1.6	0.4	142	10	SAN DIEGO (CESAR)
5613	Dic 28 2015	08:33:59.8	3.94	-76.72	100	1.2	0.3	206	10	RESTREPO (VALLE)
5614	Dic 28 2015	09:06:48.4	7.57	-75.12	24	1.4	0.5	106	14	CACERES (ANTIOQUIA)
5615	Dic 28 2015	09:11:18.5	6.80	-73.16	146	1.4	0.4	236	14	LOS SANTOS (SANTANDER)
5616	Dic 28 2015	09:37:45.0	6.82	-73.13	140	2.0	0.5	137	36	LOS SANTOS (SANTANDER)
5617	Dic 28 2015	09:44: 4.7	3.77	-73.99	Sup	1.3	0.5	140	18	CUBARRAL (META)
5618	Dic 28 2015	09:57:17.7	6.80	-73.18	146	1.6	0.2	132	17	ZAPATOCA (SANTANDER)
5619	Dic 28 2015	09:57:40.3	4.36	-76.26	122	1.7	0.5	166	16	BOLIVAR (VALLE)
5620	Dic 28 2015	09:58:19.2	6.82	-73.14	143	1.8	0.4	135	18	LOS SANTOS (SANTANDER)
5621	Dic 28 2015	10:31:23.3	6.63	-73.58	96	1.5	0.4	86	14	EL CARMEN (SANTANDER)
5622	Dic 28 2015	10:56:42.3	6.46	-73.63	130	1.7	0.4	109	20	SANTA HELENA DEL OPON (SANTANDER)
5623	Dic 28 2015	11:40:36.2	6.78	-73.14	144	2.1	0.5	137	27	LOS SANTOS (SANTANDER)
5624	Dic 28 2015	12:28:47.7	6.67	-73.18	134	1.6	0.4	228	8	VILLANUEVA (SANTANDER)
5625	Dic 28 2015	13:03:35.5	6.79	-73.14	145	2.7	0.5	71	46	LOS SANTOS (SANTANDER)
5626	Dic 28 2015	13:50: 9.3	4.16	-76.72	90	2.8	0.6	128	44	CALIMA (VALLE)
5627	Dic 28 2015	17:29:28.7	5.14	-74.92	68	1.3	0.0	160	7	FALAN (TOLIMA)
5628	Dic 28 2015	17:43:53.5	7.40	-73.16	127	1.6	0.2	108	10	EL PLAYON (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5629	Dic 28 2015	17:45:44.9	11.12	-72.75	Sup	1.9	0.6	148	9	MANAURE BALCON CESAR (CESAR)
5630	Dic 28 2015	18:29:52.9	4.59	-75.99	26	1.2	0.5	195	12	OBANDO (VALLE)
5631	Dic 28 2015	18:44:29.4	6.89	-73.14	144	1.5	0.2	150	8	PIEDRECUESTA (SANTANDER)
5632	Dic 28 2015	19:12: 8.5	6.34	-73.60	108	2.4	0.5	71	36	SANTA HELENA DEL OPON (SANTANDER)
5633	Dic 28 2015	19:42:29.0	6.92	-76.66	Sup	2.0	0.6	133	22	MURINDO (ANTIOQUIA)
5634	Dic 28 2015	19:54:22.6	6.78	-73.15	145	2.0	0.4	135	20	LOS SANTOS (SANTANDER)
5635	Dic 28 2015	20:25:46.6	10.20	-73.17	114	2.0	0.4	98	14	SAN DIEGO (CESAR)
5636	Dic 28 2015	20:51:12.6	5.66	-72.89	Sup	2.2	0.4	254	18	SOGAMOSO (BOYACA)
5637	Dic 28 2015	21:13:27.1	5.58	-73.53	148	2.6	0.3	136	28	SACHICA (BOYACA)
5638	Dic 28 2015	21:40:31.0	6.78	-73.17	146	1.6	0.2	134	9	LOS SANTOS (SANTANDER)
5639	Dic 28 2015	21:57: 0.2	6.79	-73.12	150	1.6	0.3	139	13	LOS SANTOS (SANTANDER)
5640	Dic 28 2015	22:27: 3.9	6.77	-73.15	144	1.4	0.3	200	8	LOS SANTOS (SANTANDER)
5641	Dic 28 2015	22:30:56.5	4.46	-76.21	Sup	1.9	0.3	157	14	EL DOVIO (VALLE)
5642	Dic 28 2015	23:04:13.2	5.81	-75.95	68	1.8	0.3	114	16	HISPANIA (ANTIOQUIA)
5643	Dic 28 2015	23:27: 2.0	9.89	-72.95	136	3.5	0.4	170	22	FRONTERA CON VENEZUELA
5644	Dic 28 2015	23:34:41.4	6.07	-73.70	111	1.7	0.4	75	20	CHIPATA (SANTANDER)
5645	Dic 29 2015	00:29: 9.9	6.84	-73.35	124	1.7	0.4	144	12	SAN VICENTE DE CHUCURI (SANTANDER)
5646	Dic 29 2015	00:48:20.3	6.75	-73.14	143	1.3	0.4	138	12	LOS SANTOS (SANTANDER)
5647	Dic 29 2015	01:33:40.9	6.81	-73.17	143	1.9	0.5	133	32	LOS SANTOS (SANTANDER)
5648	Dic 29 2015	01:56:39.1	6.78	-73.11	147	1.4	0.2	142	8	LOS SANTOS (SANTANDER)
5649	Dic 29 2015	01:59:29.7	4.82	-74.73	Sup	1.1	0.3	178	10	BELTRAN (CUNDINAMARCA)
5650	Dic 29 2015	02:07:48.2	6.73	-73.14	136	1.5	0.4	161	8	JORDAN (SANTANDER)
5651	Dic 29 2015	02:16:43.6	5.21	-76.11	72	1.0	0.3	241	8	PUEBLO RICO (RISARALDA)
5652	<u>Dic 29 2015</u>	<u>02:54: 6.4</u>	<u>6.86</u>	<u>-76.70</u>	<u>Sup</u>	<u>4.8</u>	<u>0.5</u>	<u>55</u>	<u>0</u>	<u>MURINDO (ANTIOQUIA)</u>
5653	<u>Dic 29 2015</u>	<u>02:54: 6.4</u>	<u>6.86</u>	<u>-76.70</u>	<u>0</u>	<u>4.8</u>	<u>0.5</u>	<u>55</u>	<u>125</u>	<u>MURINDO (ANTIOQUIA)</u>
5654	Dic 29 2015	03:10:29.0	4.72	-76.18	109	2.7	0.3	89	26	EL CAIRO (VALLE)
5655	Dic 29 2015	03:10:47.9	6.89	-76.64	Sup	3.0	0.4	130	19	MURINDO (ANTIOQUIA)
5656	Dic 29 2015	03:30:14.0	6.84	-76.66	Sup	1.8	0.3	138	12	MURINDO (ANTIOQUIA)
5657	Dic 29 2015	03:51: 9.8	6.86	-76.65	Sup	2.5	0.6	84	52	MURINDO (ANTIOQUIA)
5658	Dic 29 2015	04:22:27.2	6.79	-73.16	145	1.4	0.5	134	18	LOS SANTOS (SANTANDER)
5659	Dic 29 2015	04:50:44.8	5.60	-73.68	120	1.1	0.3	119	14	TINJACA (BOYACA)
5660	Dic 29 2015	04:53:12.4	6.85	-76.65	Sup	1.4	0.5	137	16	MURINDO (ANTIOQUIA)
5661	Dic 29 2015	05:12:36.2	6.80	-73.17	147	1.3	0.6	132	17	LOS SANTOS (SANTANDER)
5662	Dic 29 2015	05:48:55.5	6.79	-73.16	146	1.7	0.5	135	22	LOS SANTOS (SANTANDER)
5663	Dic 29 2015	06:47:17.2	6.83	-76.59	10	1.5	0.4	176	10	MURINDO (ANTIOQUIA)
5664	Dic 29 2015	07:00:17.0	6.88	-76.65	Sup	1.6	0.4	135	18	MURINDO (ANTIOQUIA)
5665	Dic 29 2015	07:15:27.0	6.80	-73.17	146	1.5	0.4	205	14	LOS SANTOS (SANTANDER)
5666	Dic 29 2015	08:24: 6.0	6.81	-73.16	146	1.9	0.4	134	27	LOS SANTOS (SANTANDER)
5667	Dic 29 2015	08:34: 7.7	2.48	-75.41	21	1.9	0.5	93	20	ALGECIRAS (HUILA)
5668	Dic 29 2015	09:54:38.0	6.82	-76.73	13	1.6	0.5	240	10	MURINDO (ANTIOQUIA)
5669	Dic 29 2015	10:06:30.0	6.91	-76.23	Sup	1.7	0.6	191	18	URAMITA (ANTIOQUIA)
5670	Dic 29 2015	10:19:24.5	6.85	-76.56	Sup	1.8	0.5	258	18	MURINDO (ANTIOQUIA)
5671	Dic 29 2015	10:58:52.4	6.80	-73.13	145	2.0	0.4	184	22	LOS SANTOS (SANTANDER)
5672	Dic 29 2015	11:24:41.2	6.85	-73.11	146	2.0	0.6	186	22	LOS SANTOS (SANTANDER)
5673	Dic 29 2015	11:36:48.3	2.08	-75.75	15	1.7	0.4	127	10	ALTAMIRA (HUILA)
5674	Dic 29 2015	12:05:39.0	6.80	-73.13	144	1.9	0.5	202	19	LOS SANTOS (SANTANDER)
5675	Dic 29 2015	12:40:28.1	6.75	-73.17	125	1.5	0.3	240	12	LOS SANTOS (SANTANDER)
5676	Dic 29 2015	12:56:41.9	7.57	-73.06	148	2.3	0.5	220	20	EL PLAYON (SANTANDER)
5677	Dic 29 2015	14:00:19.1	2.95	-75.37	11	1.8	0.4	85	22	NEIVA (HUILA)
5678	Dic 29 2015	15:13:36.0	6.81	-73.12	148	2.0	0.4	203	20	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5679	Dic 29 2015	15:39:21.1	6.86	-73.17	136	1.6	0.4	200	10	ZAPATOCA (SANTANDER)
5680	Dic 29 2015	15:47:12.5	6.90	-76.68	Sup	2.0	0.6	135	17	MURINDO (ANTIOQUIA)
5681	Dic 29 2015	15:48:49.3	6.83	-73.14	140	2.0	0.5	202	18	LOS SANTOS (SANTANDER)
5682	Dic 29 2015	16:00:36.6	6.78	-73.17	140	2.3	0.5	134	22	LOS SANTOS (SANTANDER)
5683	Dic 29 2015	17:33: 8.6	6.06	-73.70	115	3.2	0.6	34	0	VELEZ (SANTANDER)
5684	Dic 29 2015	17:33: 8.6	6.06	-73.70	115	3.2	0.6	34	66	VELEZ (SANTANDER)
5685	Dic 29 2015	18:18:26.0	6.82	-73.16	147	2.7	0.6	133	39	LOS SANTOS (SANTANDER)
5686	Dic 29 2015	19:41:36.4	6.46	-76.76	19	1.9	0.6	141	18	VIGIA DEL FUERTE (ANTIOQUIA)
5687	Dic 29 2015	19:46:50.7	6.83	-76.62	Sup	2.0	0.5	262	16	MURINDO (ANTIOQUIA)
5688	Dic 29 2015	20:02: 9.9	5.26	-73.73	147	3.3	0.4	77	0	CUCUNUBA (CUNDINAMARCA)
5689	Dic 29 2015	20:02: 9.9	5.26	-73.73	147	3.3	0.4	77	44	CUCUNUBA (CUNDINAMARCA)
5690	Dic 29 2015	20:10:57.5	6.80	-73.13	140	3.6	0.4	137	0	LOS SANTOS (SANTANDER)
5691	Dic 29 2015	20:10:57.5	6.80	-73.13	140	3.6	0.4	137	53	LOS SANTOS (SANTANDER)
5692	Dic 29 2015	21:08:48.2	5.40	-74.90	Sup	1.2	0.2	175	7	SAMANA (CALDAS)
5693	Dic 29 2015	23:03:37.9	6.78	-73.11	148	2.3	0.3	142	24	LOS SANTOS (SANTANDER)
5694	Dic 29 2015	23:12: 1.2	6.18	-73.90	91	2.3	0.4	64	26	LANDAZURI (SANTANDER)
5695	Dic 29 2015	23:30:38.7	5.38	-74.41	12	1.7	0.4	86	14	LA PALMA (CUNDINAMARCA)
5696	Dic 30 2015	00:32:12.8	4.76	-74.66	9	1.3	0.3	186	12	BELTRAN (CUNDINAMARCA)
5697	Dic 30 2015	01:02:39.2	4.39	-76.01	31	1.7	0.6	113	20	ZARZAL (VALLE)
5698	Dic 30 2015	01:06:31.8	7.67	-73.47	109	1.8	0.4	98	17	SAN ALBERTO (CESAR)
5699	Dic 30 2015	01:27:57.2	6.79	-73.14	143	2.4	0.5	66	36	LOS SANTOS (SANTANDER)
5700	Dic 30 2015	01:37: 3.4	5.23	-74.06	125	1.7	0.4	95	22	SAN CAYETANO (CUNDINAMARCA)
5701	Dic 30 2015	01:42:26.1	6.79	-73.16	147	1.5	0.4	242	12	LOS SANTOS (SANTANDER)
5702	Dic 30 2015	01:46:23.1	6.79	-73.16	143	1.8	0.4	181	18	LOS SANTOS (SANTANDER)
5703	Dic 30 2015	04:14:53.4	4.47	-74.88	8	1.5	0.4	98	20	PIEDRAS (TOLIMA)
5704	Dic 30 2015	04:51:30.4	6.83	-73.13	150	2.4	0.5	53	50	LOS SANTOS (SANTANDER)
5705	Dic 30 2015	05:12:35.7	6.80	-73.15	144	2.0	0.4	182	26	LOS SANTOS (SANTANDER)
5706	Dic 30 2015	05:27:19.8	6.79	-73.15	151	1.6	0.4	200	18	LOS SANTOS (SANTANDER)
5707	Dic 30 2015	05:56:48.9	4.27	-76.80	20	1.8	0.5	211	14	SIPI (CHOCO)
5708	Dic 30 2015	06:44:11.4	11.47	-72.78	12	2.0	0.3	228	8	MANAURE BALCON CESAR (CESAR)
5709	Dic 30 2015	07:22:12.5	6.80	-73.12	148	1.7	0.3	185	16	LOS SANTOS (SANTANDER)
5710	Dic 30 2015	08:04:24.7	6.06	-73.69	117	2.6	0.5	35	59	VELEZ (SANTANDER)
5711	Dic 30 2015	08:14:52.0	6.83	-73.14	144	1.7	0.4	201	14	LOS SANTOS (SANTANDER)
5712	Dic 30 2015	08:34:38.0	6.83	-73.16	146	1.5	0.3	181	13	LOS SANTOS (SANTANDER)
5713	Dic 30 2015	09:44: 0.5	6.83	-73.14	148	1.5	0.4	215	10	LOS SANTOS (SANTANDER)
5714	Dic 30 2015	09:46:46.2	6.82	-73.14	142	1.3	0.4	214	10	LOS SANTOS (SANTANDER)
5715	Dic 30 2015	10:36:11.2	6.84	-73.14	145	1.5	0.5	202	14	LOS SANTOS (SANTANDER)
5716	Dic 30 2015	11:06:40.1	1.89	-75.99	16	1.7	0.3	144	11	PITALITO (HUILA)
5717	Dic 30 2015	13:29:59.9	6.80	-73.16	145	2.1	0.6	181	21	LOS SANTOS (SANTANDER)
5718	Dic 30 2015	14:01:11.8	6.42	-77.35	11	2.0	0.4	133	16	BAHIA SOLANO (CHOCO)
5719	Dic 30 2015	15:51:33.4	6.85	-76.12	Sup	1.6	0.3	220	11	URAMITA (ANTIOQUIA)
5720	Dic 30 2015	16:21:41.1	6.90	-76.25	Sup	2.2	0.6	199	18	URAMITA (ANTIOQUIA)
5721	Dic 30 2015	17:00:16.9	5.68	-76.70	20	1.9	0.6	229	10	QUIBDO (CHOCO)
5722	Dic 30 2015	17:02:38.4	6.70	-73.19	140	1.8	0.5	225	14	VILLANUEVA (SANTANDER)
5723	Dic 30 2015	17:51:46.9	9.56	-73.45	Sup	2.4	0.5	127	8	LA JAGUA DE IBIRICO (CESAR)
5724	Dic 30 2015	20:52:48.7	6.95	-75.12	Sup	1.1	0.3	179	7	AMALFI (ANTIOQUIA)
5725	Dic 30 2015	21:08:15.1	6.80	-73.16	139	2.0	0.3	134	14	LOS SANTOS (SANTANDER)
5726	Dic 30 2015	21:45:34.5	6.85	-76.67	6	1.7	0.3	146	6	MURINDO (ANTIOQUIA)
5727	Dic 30 2015	22:14: 0.5	8.56	-72.96	Sup	2.5	0.4	199	12	EL TARRA (N.SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5728	Dic 31 2015	00:42:56.1	7.30	-73.06	159	2.3	0.5	96	40	MATANZA (SANTANDER)
5729	Dic 31 2015	01:25:52.1	6.98	-73.39	107	1.8	0.5	88	22	SAN VICENTE DE CHUCURI (SANTANDER)
5730	Dic 31 2015	01:31: 8.6	7.39	-73.17	132	2.3	0.4	107	26	EL PLAYON (SANTANDER)
5731	Dic 31 2015	01:43: 8.5	6.80	-73.15	145	1.7	0.5	136	21	LOS SANTOS (SANTANDER)
5732	Dic 31 2015	02:51:13.0	5.61	-76.58	24	1.2	0.4	250	8	ATRATO (CHOCO)
5733	Dic 31 2015	03:07:36.7	4.70	-76.23	87	1.4	0.4	154	16	EL CAIRO (VALLE)
5734	Dic 31 2015	03:37:55.2	6.12	-76.58	29	1.5	0.3	209	14	MEDIO ATRATO (CHOCO)
5735	Dic 31 2015	03:46:55.4	6.80	-73.15	144	1.5	0.4	194	14	LOS SANTOS (SANTANDER)
5736	Dic 31 2015	04:31:11.9	6.90	-76.23	Sup	1.7	0.5	190	18	URAMITA (ANTIOQUIA)
5737	Dic 31 2015	04:33:45.8	6.99	-76.30	Sup	1.2	0.4	240	10	DABEIBA (ANTIOQUIA)
5738	Dic 31 2015	04:48:57.4	6.90	-76.27	Sup	1.7	0.4	224	10	DABEIBA (ANTIOQUIA)
5739	Dic 31 2015	08:06: 2.4	1.93	-76.03	Sup	2.0	0.5	110	26	PITALITO (HUILA)
5740	Dic 31 2015	08:09:56.4	6.82	-73.11	150	2.5	0.5	53	55	LOS SANTOS (SANTANDER)
5741	Dic 31 2015	08:20: 1.2	6.83	-73.18	148	1.3	0.4	242	8	ZAPATOCA (SANTANDER)
5742	Dic 31 2015	08:34:43.3	6.76	-73.19	141	1.5	0.4	231	8	ZAPATOCA (SANTANDER)
5743	Dic 31 2015	09:52:14.0	6.82	-72.98	186	1.4	0.3	290	9	CEPITA (SANTANDER)
5744	Dic 31 2015	09:56:58.2	6.82	-73.14	144	2.1	0.5	119	34	LOS SANTOS (SANTANDER)
5745	Dic 31 2015	09:58:54.4	6.79	-73.18	144	1.2	0.3	238	10	ZAPATOCA (SANTANDER)
5746	Dic 31 2015	10:13:39.3	6.85	-73.15	148	1.6	0.6	212	11	LOS SANTOS (SANTANDER)
5747	Dic 31 2015	10:44: 4.9	4.72	-76.18	100	1.7	0.5	139	18	EL CAIRO (VALLE)
5748	Dic 31 2015	11:02:40.1	6.78	-73.18	138	1.7	0.2	204	7	LOS SANTOS (SANTANDER)
5749	Dic 31 2015	11:16:11.6	4.80	-73.01	Sup	2.1	0.5	127	20	SABANALARGA (CASANARE)
5750	Dic 31 2015	12:03:58.4	4.38	-73.73	6	1.8	0.4	171	7	EL CALVARIO (META)
5751	Dic 31 2015	12:31:48.8	3.58	-75.74	Sup	1.6	0.5	184	10	RIOBLANCO (TOLIMA)
5752	Dic 31 2015	13:05:28.4	3.90	-75.93	166	1.6	0.3	119	10	SAN PEDRO (VALLE)
5753	Dic 31 2015	14:47:32.0	6.81	-73.18	137	2.2	0.5	131	25	ZAPATOCA (SANTANDER)
5754	Dic 31 2015	16:36:44.5	4.62	-76.24	110	1.5	0.3	162	8	VERSALLES (VALLE)
5755	Dic 31 2015	17:28:33.4	6.84	-73.20	137	1.8	0.4	197	11	ZAPATOCA (SANTANDER)
5756	Dic 31 2015	17:48:37.7	6.83	-73.17	144	1.6	0.2	199	13	ZAPATOCA (SANTANDER)
5757	Dic 31 2015	18:23:34.4	6.79	-73.14	147	3.1	0.5	54	0	LOS SANTOS (SANTANDER)
5758	Dic 31 2015	18:23:34.4	6.79	-73.14	147	3.1	0.5	54	56	LOS SANTOS (SANTANDER)
5759	Dic 31 2015	18:37:57.6	6.82	-73.17	148	3.1	0.6	63	0	ZAPATOCA (SANTANDER)
5760	Dic 31 2015	18:37:57.6	6.82	-73.17	148	3.1	0.6	63	56	ZAPATOCA (SANTANDER)
5761	Dic 31 2015	18:44: 5.1	6.78	-73.15	144	2.3	0.6	136	34	LOS SANTOS (SANTANDER)
5762	Dic 31 2015	18:57:33.9	10.80	-72.19	60	2.2	0.2	191	10	FRONTERA CON VENEZUELA
5763	Dic 31 2015	19:43:33.0	6.80	-73.18	136	1.6	0.4	197	10	ZAPATOCA (SANTANDER)
5764	Dic 31 2015	20:32:38.3	6.76	-73.09	142	2.1	0.4	145	26	LOS SANTOS (SANTANDER)
5765	Dic 31 2015	21:15:40.2	6.82	-73.12	151	1.6	0.3	203	13	LOS SANTOS (SANTANDER)
5766	Dic 31 2015	21:21: 0.6	5.78	-76.03	61	1.4	0.2	216	10	CIUDAD BOLIVAR (ANTIOQUIA)
5767	Dic 31 2015	21:34:45.5	6.86	-73.35	117	1.5	0.3	147	12	SAN VICENTE DE CHUCURI (SANTANDER)
5768	Dic 31 2015	21:43:27.2	11.15	-74.22	27	2.2	0.2	125	12	MAR CARIBE
5769	Dic 31 2015	22:02:42.5	6.69	-73.20	151	1.4	0.3	222	10	VILLANUEVA (SANTANDER)
5770	Dic 31 2015	22:03:15.5	6.62	-73.37	66	1.1	0.3	134	9	GALAN (SANTANDER)
5771	Dic 31 2015	22:03:30.2	6.62	-73.25	116	1.3	0.4	160	8	BARICHARA (SANTANDER)
5772	Dic 31 2015	22:34:47.7	6.78	-73.13	146	1.7	0.3	201	13	LOS SANTOS (SANTANDER)
5773	Dic 31 2015	22:42:41.4	6.80	-73.08	148	1.9	0.3	189	9	LOS SANTOS (SANTANDER)
5774	Dic 31 2015	23:55:10.5	5.70	-74.26	88	1.8	0.3	60	20	OTANCHE (BOYACA)