



**BOLETÍN DE SISMOS**  
julio - diciembre de 2016  
Red Sismológica Nacional de Colombia – RSNC –

**Volumen 24, No. II**

**Bogotá, octubre de 2017**

República de Colombia  
SERVICIO GEOLÓGICO COLOMBIANO

**REPÚBLICA DE COLOMBIA  
SERVICIO GEOLÓGICO COLOMBIANO**



**Boletín de Sismos: julio - diciembre de 2016**

**Red Sismológica Nacional de Colombia**

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## PRESENTACION

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

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

Cordialmente,

M.Sc. Viviana Dionicio Lozano.

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## FUNCIONAMIENTO DE LAS ESTACIONES RSNC

No.	Tipo de Sensor**	Nombre de la Estación	%
1	BB	PROVIDENCIA	98.99
2	BB	URIBIA	98.96
3	BB	SANTA MARTA	85.01
4	BB	CERREJON	99.32
5	BB	SAN JACINTO	99.32
6	BB	ARIGUANÍ	98.99
7	BB	LOS CORDOBAS	99.26
8	BB	SAN MARTIN DE LOBA	00.00
9	BB	MONTERÍA	00.00
10	BB	CAPURGANÁ	36.66
11	BB	OCAÑA	24.64
12	BB	SAN JOSE DE URE	98.35
13	BB	ZARAGOZA	98.43
14	BB	PAMPLONA	98.83
15	SP	PUNTA ARDITA	75.21
16	BB	BARRANCA	99.31
17	BB	DABEIBA	89.40
18	SP	BARICHARA	96.01
19	SP	PUERTO BERRIO	99.32
20	BB	TAME	99.33
21	BB	SOLANO	93.31
22	SP	ST. HELENA	96.37
23	BB	LA RUSIA	81.91
24	BB	CIUDAD BOLIVAR	97.51
25	BB	SAN PABLO DE BORBUR	70.29
26	BB	NORCASIA	95.14
27	SP	GUAYANA	80.51
28	SP	PIZARRO	63.12
29	BB	SAN JOSE DEL PALMAR	99.03
30	BB	EL ROSAL (CTBTO)	92.56
31	BB	CHINGAZA	89.66
32	BB	TOLIMA	00.00
33	SP	PUERTO GAITAN	97.82
34	BB	VILLAVICENCIO	75.94
35	SP	MALAGA	96.07
36	SP	MAIPELO	88.48
37	BB	YOTOCO	99.32
38	BB	ORTEGA	39.40
39	BB	PRADO	67.37
40	BB	GORGONA	98.35
41	SP	BETANIA	99.17
42	BB	GUAVIARE	99.27
43	SP	POPAYAN	50.60
44	SP	GARZON	99.32
45	BB	MACARENA	98.88
46	BB	BALBOA	90.82
47	BB	TUMACO	95.24
48	BB	FLORENCIA	99.11
49	BB	LA CRUZ	99.16
50	SP	CUMBAL	99.31
51	BB	PUERTO LEGUIZAMO	65.54

\* SP = Periodo corto  
BB = Banda ancha

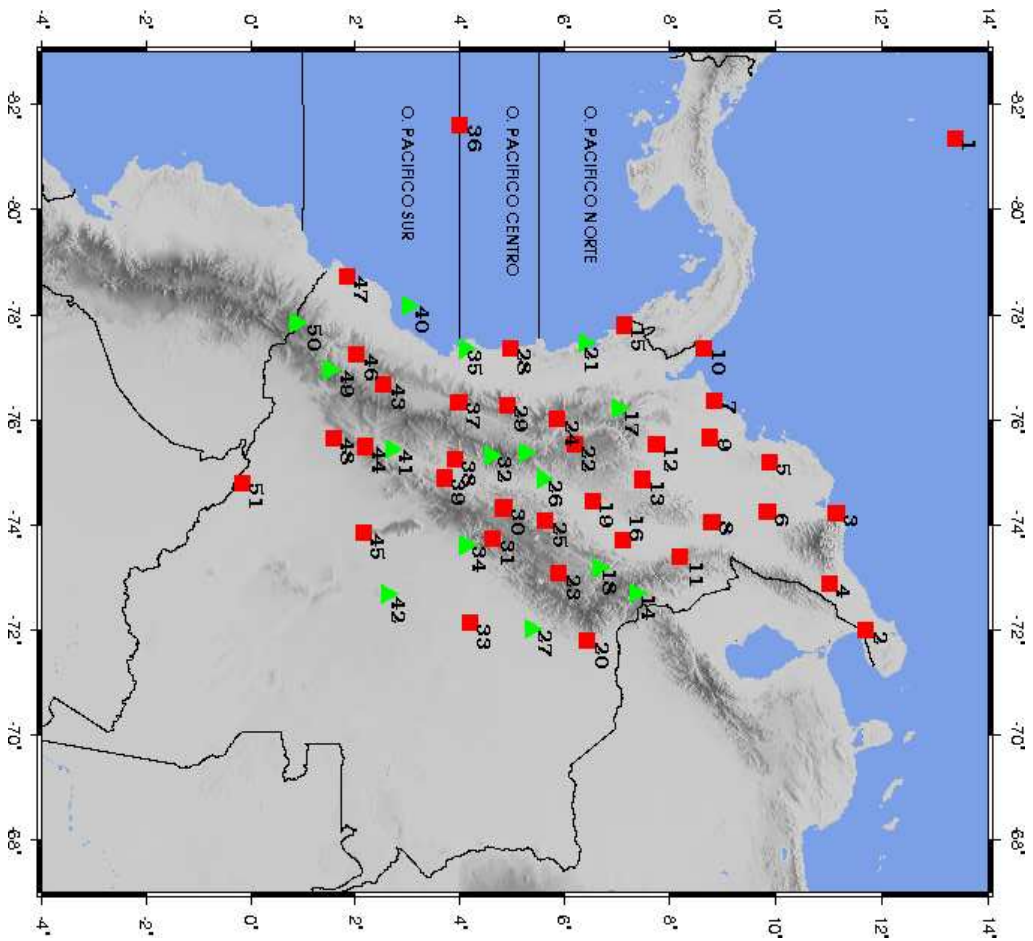
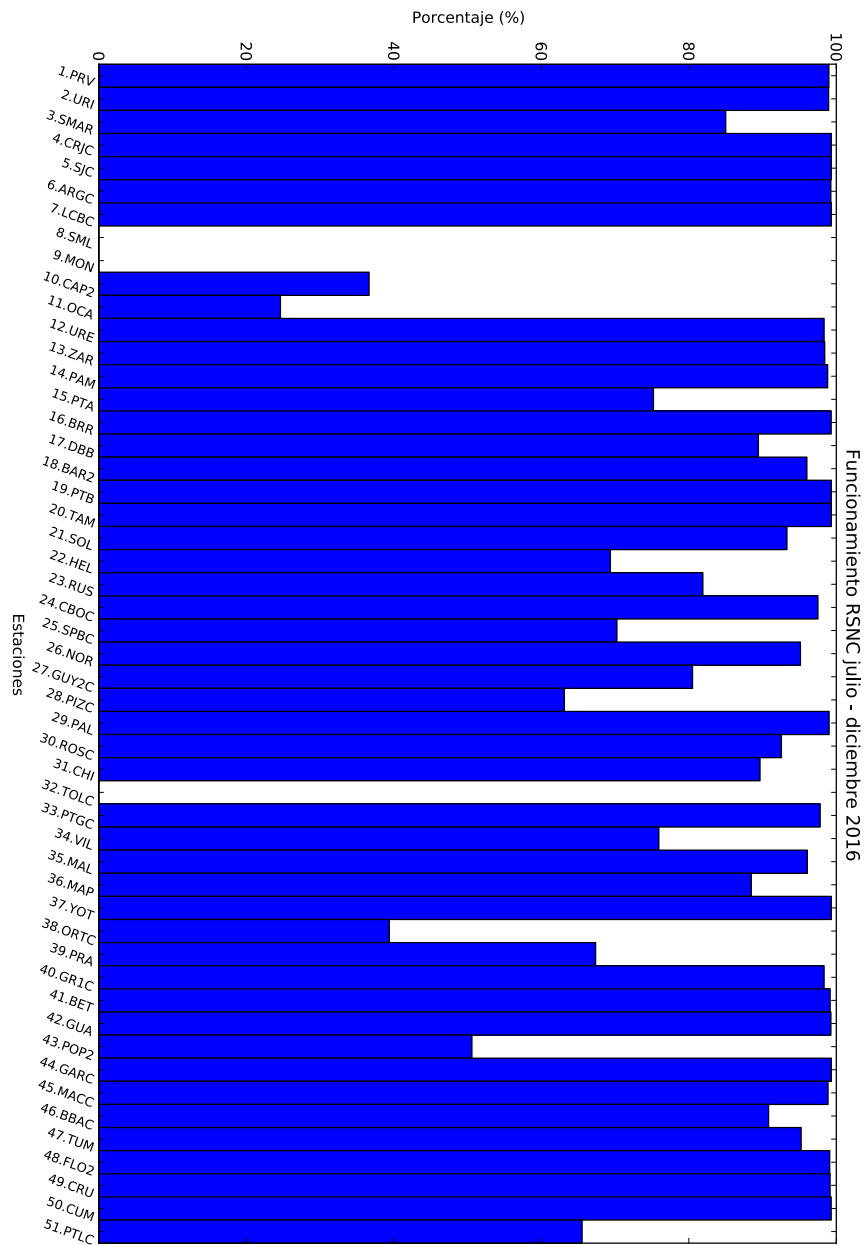


Figura 1: Localización de las estaciones de la RSNC. Los triángulos verdes y los cuadros rojos representan las estaciones con sensores de corto periodo y banda ancha respectivamente.

## HISTOGRAMA DE FUNCIONAMIENTO DE LAS ESTACIONES



## SISMICIDAD DE JULIO-DICIEMBRE DE 2016

Durante los meses de julio-diciembre se registraron 19267 eventos, de los cuales: 18211 corresponden a eventos locales y de estos se localizaron 8352, 614 fueron Regionales y 442 Distantes. De los eventos localizados, 68 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

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

Cuadro 1: Eventos destacados durante julio-diciembre de 2016

N	FECHA	H:M:S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
214	Jul 6 2016	04:23:36.2	6.84	-73.13	146	3.8	0.6	52	110	LOS SANTOS (SANTANDER)*
338	Jul 9 2016	12:55:51.2	6.54	-74.10	15	3.6	0.4	47	74	PUERTO PARRA (SANTANDER)*
393	Jul 11 2016	00:50:39.2	3.72	-76.84	105	3.7	0.6	96	67	DAGUA (VALLE)*
483	Jul 13 2016	02:15:44.2	5.27	-73.75	151	4.1	0.5	64	0	CUCUNUBA (CUNDINAMARCA)*
503	Jul 13 2016	10:33:26.3	6.79	-73.14	141	4.3	0.5	72	68	LOS SANTOS (SANTANDER)*
543	Jul 14 2016	10:47:35.2	11.44	-72.26	7	3.7	0.4	144	55	MAICAO (LA GUAJIRA)*
592	Jul 15 2016	17:49: 9.1	3.92	-76.77	23	2.9	0.5	145	41	RESTREPO (VALLE)*
1003	Jul 26 2016	04:32:20.5	6.80	-73.15	152	4.7	0.8	65	113	LOS SANTOS (SANTANDER)*
1308	Ago 4 2016	00:55:13.1	6.67	-76.62	Sup	3.6	0.4	75	78	VIGIA DEL FUERTE (ANTIOQUIA)*
1356	Ago 5 2016	04:43: 6.9	5.60	-74.34	88	3.8	0.8	42	0	LA VICTORIA (BOYACA)*
1482	Ago 7 2016	08:20:10.8	6.92	-76.28	Sup	3.9	0.5	68	95	DABEIBA (ANTIOQUIA)*
1871	Ago 16 2016	19:51:53.9	4.47	-75.67	Sup	2.2	0.5	50	36	ARMENIA (QUINDIO)*
2139	Ago 24 2016	02:59:22.6	7.20	-72.19	Sup	3.7	0.5	102	0	CUBARA (BOYACA)*
2178	Ago 24 2016	17:17:31.6	6.92	-76.23	Sup	3.4	0.5	49	82	URAMITA (ANTIOQUIA)*
2257	Ago 26 2016	04:55:15.4	6.80	-73.14	152	4.4	0.5	53	119	LOS SANTOS (SANTANDER)*

2336	Ago 28 2016	12:23:32.0	7.40	-73.13	Sup	4.1	0.8	54	0	EL PLAYON (SANTANDER)*
2337	Ago 28 2016	12:23:32.0	7.40	-73.13	0	4.1	0.8	54	101	EL PLAYON (SANTANDER)
2994	Sep 14 2016	01:58:30.2	7.23	-76.23	Sup	5.2	0.8	49	0	MUTATA (ANTIOQUIA)
2995	Sep 14 2016	01:58:30.2	7.23	-76.23	0	5.2	0.8	49	92	MUTATA (ANTIOQUIA)*
3106	Sep 14 2016	06:46:59.5	7.23	-76.31	Sup	4.5	0.7	177	0	MUTATA (ANTIOQUIA)
3107	Sep 14 2016	06:46:59.5	7.23	-76.31	0	4.5	0.7	177	83	MUTATA (ANTIOQUIA)
3177	Sep 14 2016	12:02:52.0	7.20	-76.24	Sup	4.0	0.6	77	0	MUTATA (ANTIOQUIA)
3178	Sep 14 2016	12:02:52.0	7.20	-76.24	0	4.0	0.6	77	104	MUTATA (ANTIOQUIA)
3203	Sep 14 2016	15:59:34.8	7.24	-76.34	Sup	4.3	0.5	51	112	MUTATA (ANTIOQUIA)
3326	Sep 16 2016	02:37:40.4	6.80	-73.14	152	4.0	0.5	53	90	LOS SANTOS (SANTANDER)*
3616	Sep 22 2016	03:56:48.2	5.95	-73.76	113	3.5	0.5	42	88	BOLIVAR (SANTANDER)*
3618	Sep 22 2016	04:32:52.7	6.81	-73.10	151	4.1	0.6	53	106	LOS SANTOS (SANTANDER)*
3635	Sep 22 2016	10:42:17.6	6.83	-72.97	163	4.9	2.8	54	126	LOS SANTOS (SANTANDER)*
3649	Sep 22 2016	20:01:55.0	0.87	-77.11	Sup	3.3	0.6	161	33	ORITO (PUTUMAYO)*
4084	Oct 2 2016	02:22:59.3	7.32	-78.21	12	3.5	0.7	101	58	JURADO (CHOCO)*
4133	Oct 3 2016	02:23: 1.9	7.77	-72.20	Sup	3.3	0.6	200	33	FRONTERA CON VENEZUELA *
4339	Oct 7 2016	20:34:38.1	4.56	-75.19	Sup	3.6	7.4	83	54	VOLCAN NEVADO DEL RUIZ *
4359	Oct 8 2016	08:19:33.9	3.15	-78.83	Sup	3.1	0.5	240	29	O. PACIFICO SUR *
4487	Oct 10 2016	17:59:50.9	3.09	-78.80	6	3.6	0.8	197	60	O. PACIFICO SUR *
4735	Oct 16 2016	17:46: 0.7	10.66	-71.73	10	4.2	1.8	120	80	FRONTERA CON VENEZUELA *
5331	Oct 30 2016	12:56:35.2	6.81	-73.13	150	4.0	0.5	66	78	LOS SANTOS (SANTANDER)*
5352	Oct 31 2016	00:20:12.6	3.40	-74.63	13	5.2	1.3	62	0	COLOMBIA (HUILA)*
5353	Oct 31 2016	00:20:12.6	3.40	-74.63	13	5.2	1.3	62	134	COLOMBIA (HUILA)
5361	Oct 31 2016	02:05:58.8	3.41	-74.61	Sup	4.8	1.9	61	0	COLOMBIA (HUILA)*
5362	Oct 31 2016	02:05:58.8	3.41	-74.61	0	4.8	1.9	61	103	COLOMBIA (HUILA)
5699	Nov 6 2016	15:12:51.8	4.62	-75.90	16	2.9	0.6	60	47	OBANDO (VALLE)*
5707	Nov 6 2016	21:31: 1.0	6.84	-73.12	159	4.3	0.5	67	88	LOS SANTOS (SANTANDER)*
6067	Nov 14 2016	05:48:51.0	6.78	-73.14	142	3.8	0.5	69	80	LOS SANTOS (SANTANDER)*
6458	Nov 23 2016	04:16:44.4	0.93	-77.84	7	2.5	0.7	129	25	ZAPATOCA (SANTANDER)*
6603	Nov 25 2016	19:21:17.2	9.45	-73.60	113	3.8	0.6	99	56	CHIRIGUANA (CESAR)*
6604	Nov 25 2016	19:26:39.2	4.54	-76.26	126	1.7	0.3	168	8	EL DOVIO (VALLE)*
6656	Nov 26 2016	19:32:40.3	5.56	-74.07	100	4.1	0.7	91	0	MUZO (BOYACA)
6657	Nov 26 2016	19:32:40.3	5.56	-74.07	100	4.1	0.7	91	71	MUZO (BOYACA)
6840	Nov 30 2016	17:42:26.2	6.30	-75.84	20	3.3	0.5	131	62	ANZA (ANTIOQUIA)*
7054	Dic 6 2016	04:51: 1.0	4.78	-77.28	44	4.5	0.7	123	0	BAJO BAUDO (CHOCO)
7055	Dic 6 2016	04:51: 1.0	4.78	-77.28	44	4.5	0.7	123	97	BAJO BAUDO (CHOCO)
7404	Dic 13 2016	20:32:20.2	6.79	-73.12	154	4.1	0.5	67	92	LOS SANTOS (SANTANDER)*
7537	Dic 16 2016	19:45:18.3	3.43	-74.64	Sup	4.1	0.8	61	0	COLOMBIA (HUILA)
7538	Dic 16 2016	19:45:18.3	3.43	-74.64	0	4.1	0.8	61	81	COLOMBIA (HUILA)*
7553	Dic 17 2016	01:38:22.3	3.86	-76.29	145	3.5	0.6	38	90	BUGA (VALLE)*
7647	Dic 18 2016	12:50: 4.5	6.97	-76.70	Sup	3.8	0.7	144	80	MURINDO (ANTIOQUIA)*
7685	Dic 19 2016	10:24:20.4	6.82	-73.12	149	4.4	0.5	67	108	LOS SANTOS (SANTANDER)*
7702	Dic 19 2016	16:37:48.8	2.80	-76.03	Sup	2.9	0.7	55	47	VOLCAN NEVADO DEL HUILA *
7708	Dic 19 2016	21:02:10.0	7.50	-73.42	117	4.3	0.6	94	0	SABANA DE TORRES (SANTANDER)
7709	Dic 19 2016	21:02:10.0	7.50	-73.42	117	4.3	0.6	94	84	SABANA DE TORRES (SANTANDER)
7789	Dic 21 2016	09:13: 0.8	12.73	-81.46	Sup	4.0	0.4	92	65	SAN ANDRES (ARCHIPIELAGO DE SAN ANDRES. PROV. Y STA
7851	Dic 22 2016	08:59:27.5	4.80	-77.31	47	4.2	0.6	56	0	BAJO BAUDO (CHOCO)
7852	Dic 22 2016	08:59:27.5	4.80	-77.31	47	4.2	0.6	56	85	BAJO BAUDO (CHOCO)
7896	Dic 23 2016	03:43:49.7	2.71	-75.67	Sup	4.5	0.5	54	0	IQUIRA (HUILA)*
7897	Dic 23 2016	03:43:49.7	2.71	-75.67	0	4.5	0.5	54	70	IQUIRA (HUILA)
8155	Dic 26 2016	19:40:21.8	5.76	-73.10	Sup	2.7	0.8	85	36	PAIPA (BOYACA)*
8170	Dic 27 2016	03:00:32.2	6.81	-73.12	154	4.1	0.5	67	84	LOS SANTOS (SANTANDER)*
8236	Dic 28 2016	05:05: 5.2	1.81	-77.07	150	4.5	0.5	54	102	MERCADERES (CAUCA)*

\*Eventos Sísmicos reportados como sentidos





## RED SISMOLOGICA NACIONAL DE COLOMBIA

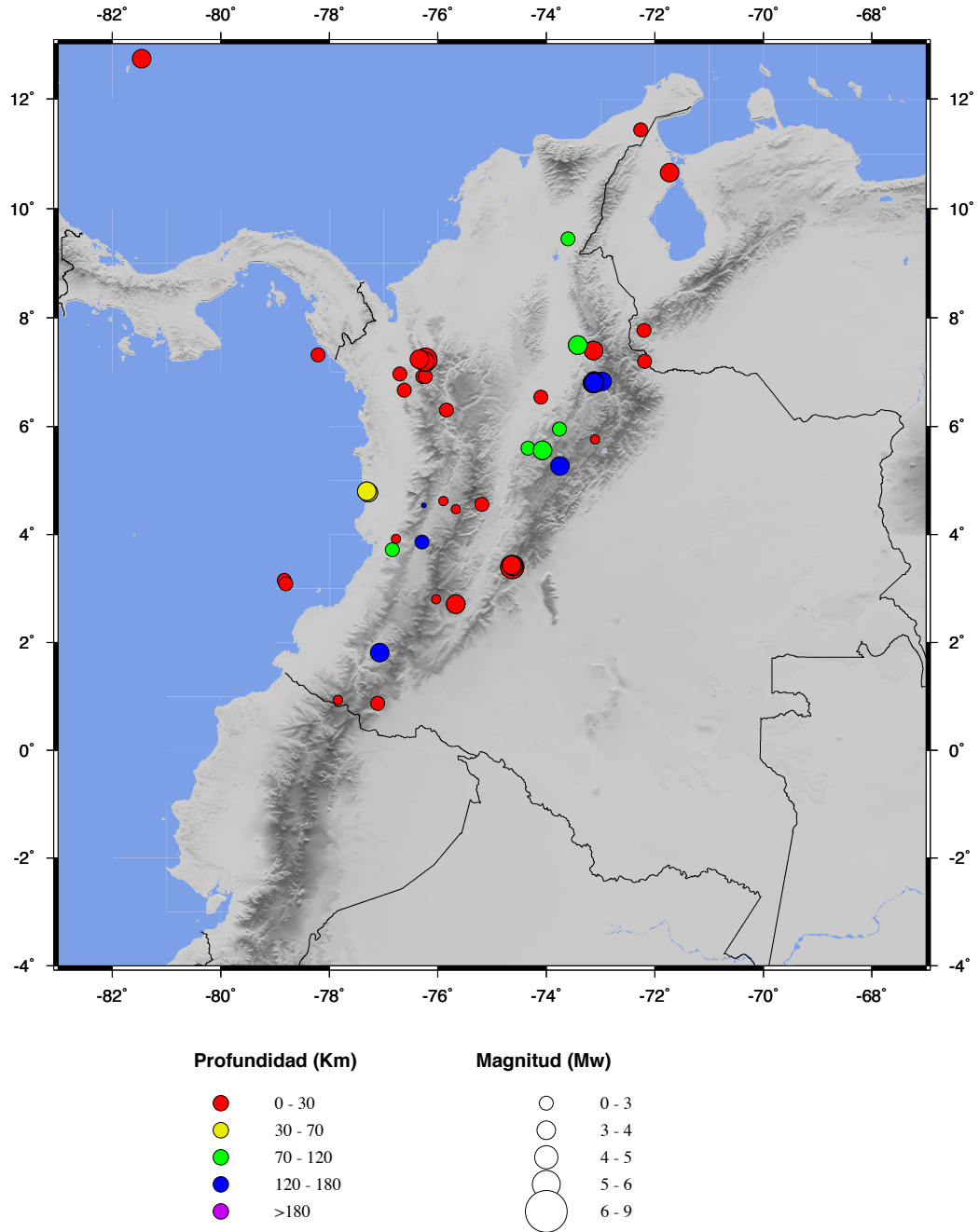


Figura 2: Sismos destacados localizados por la RSNC, durante julio-diciembre de 2016.

## RED SISMOLOGICA NACIONAL DE COLOMBIA

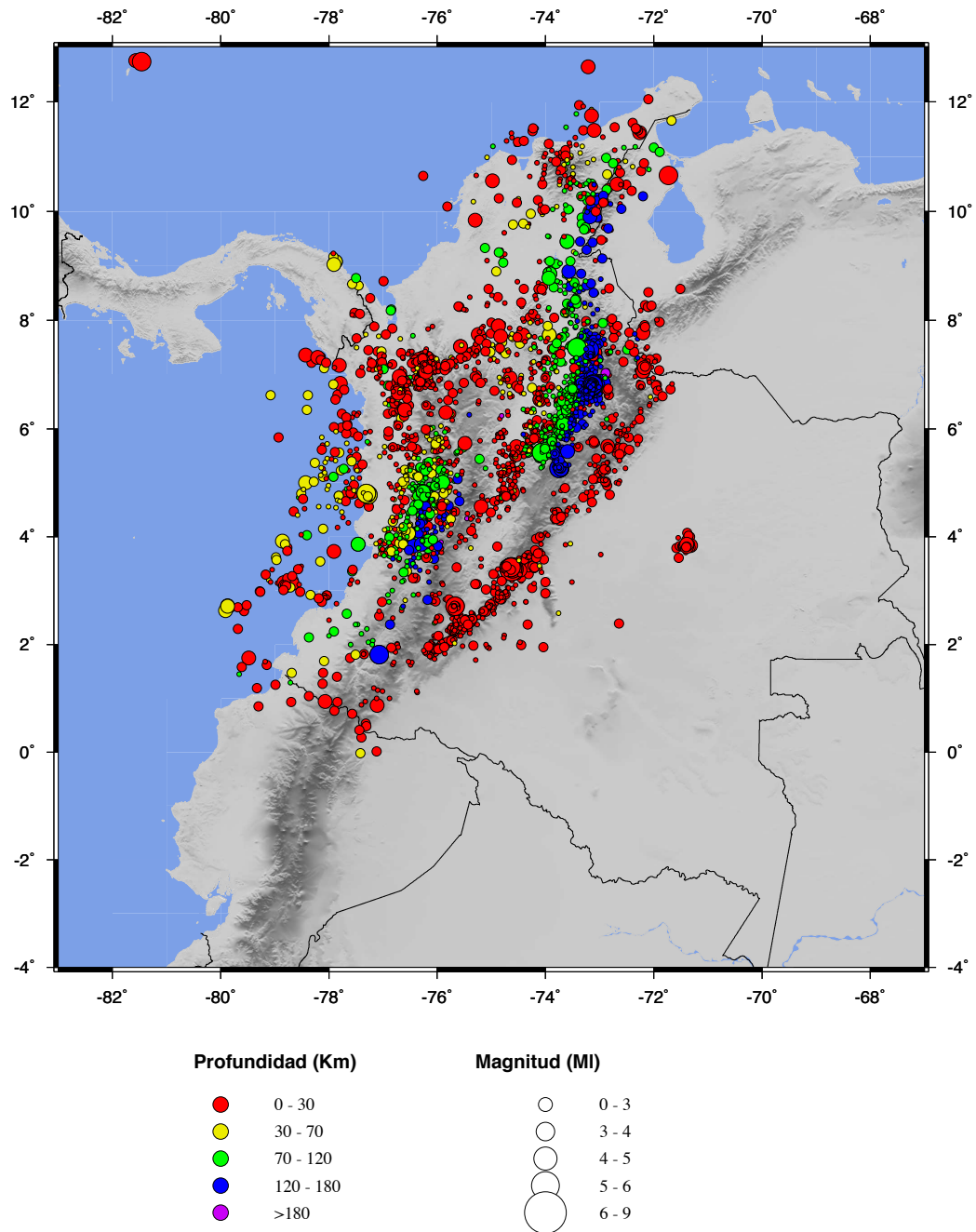


Figura 3: Sismicidad registrada por la RSNC durante julio-diciembre de 2016

## RED SISMOLOGICA NACIONAL DE COLOMBIA

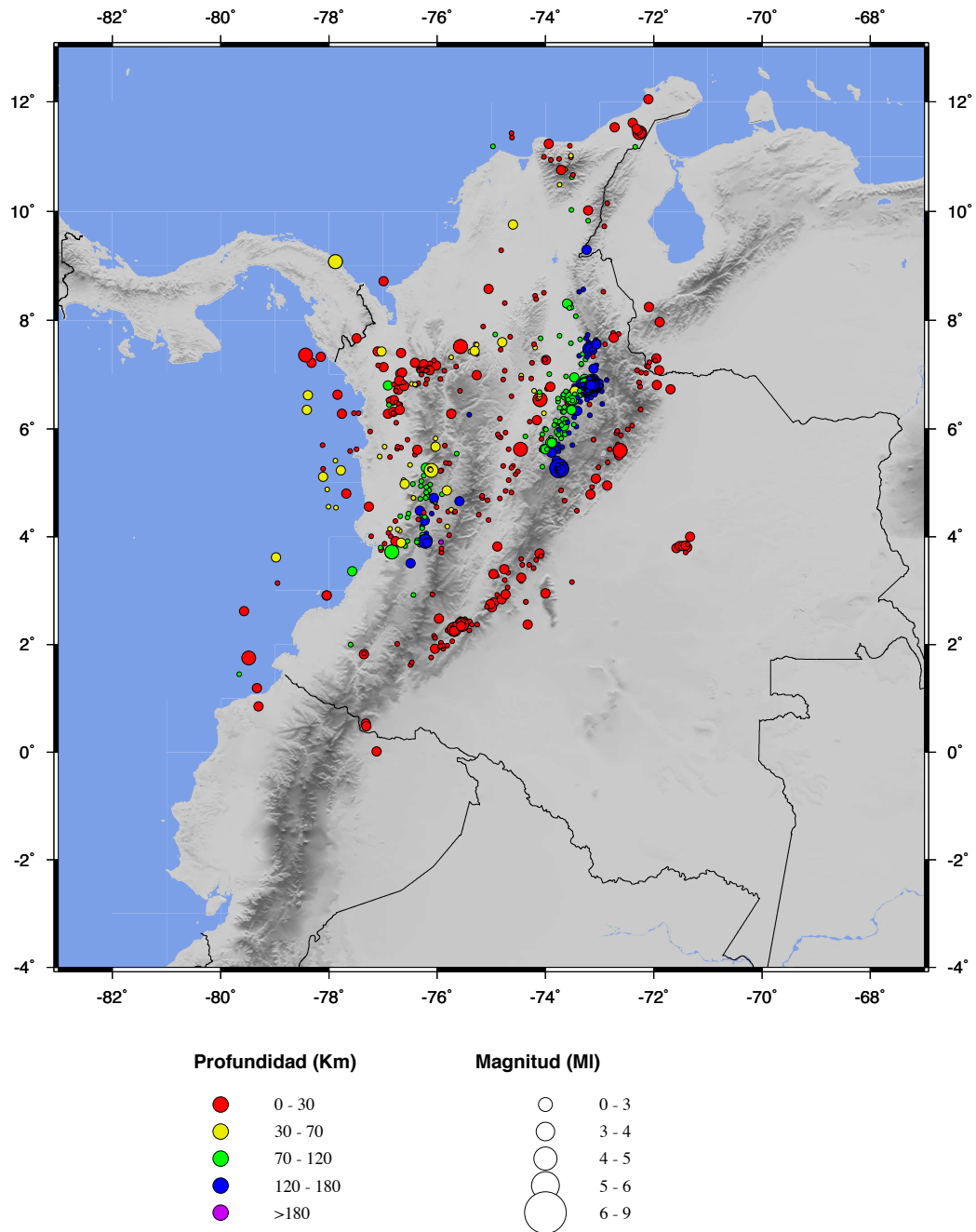


Figura 4: Sismicidad registrada por la RSNC durante julio de 2016

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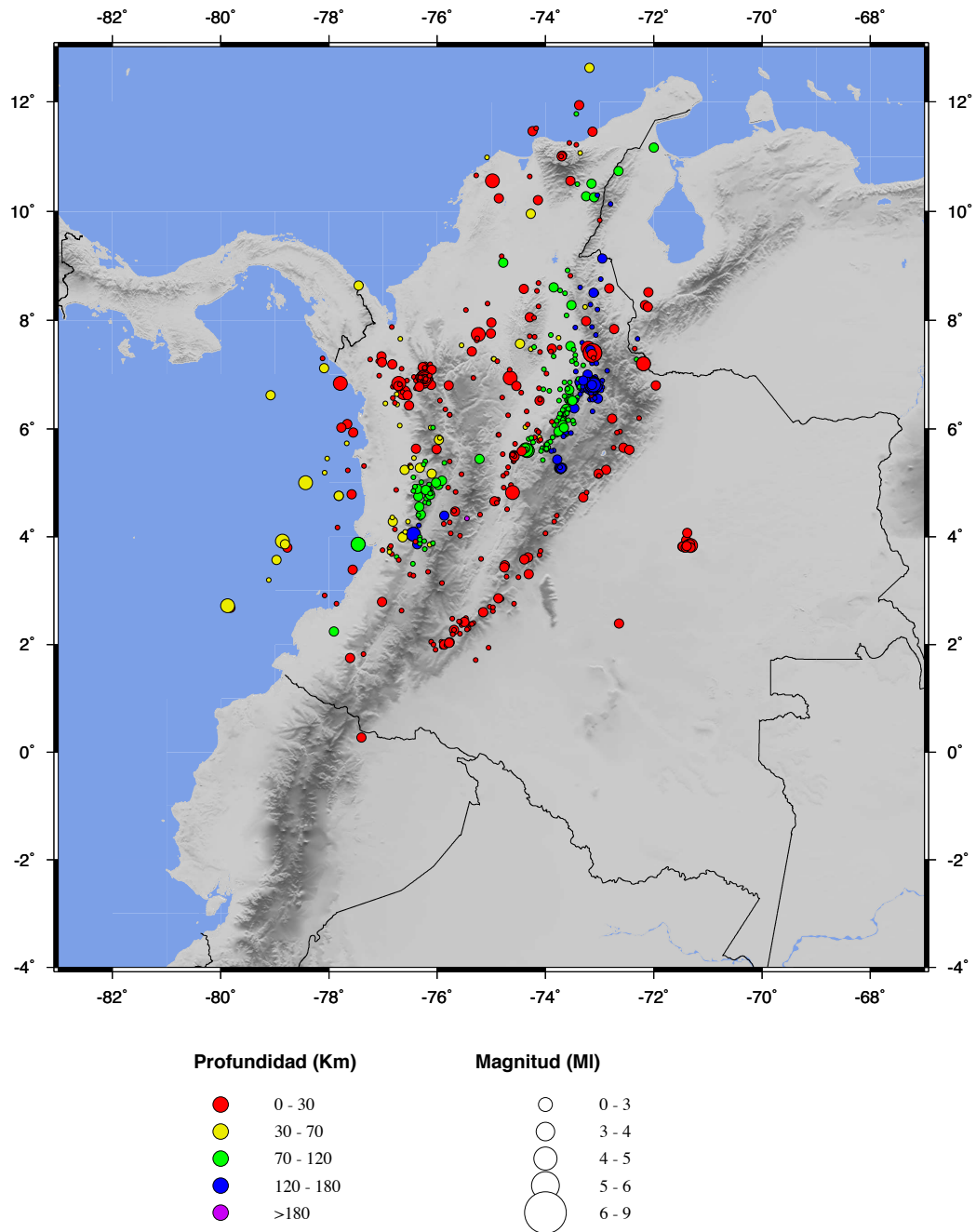


Figura 5: Sismicidad registrada por la RSNC durante agosto de 2016

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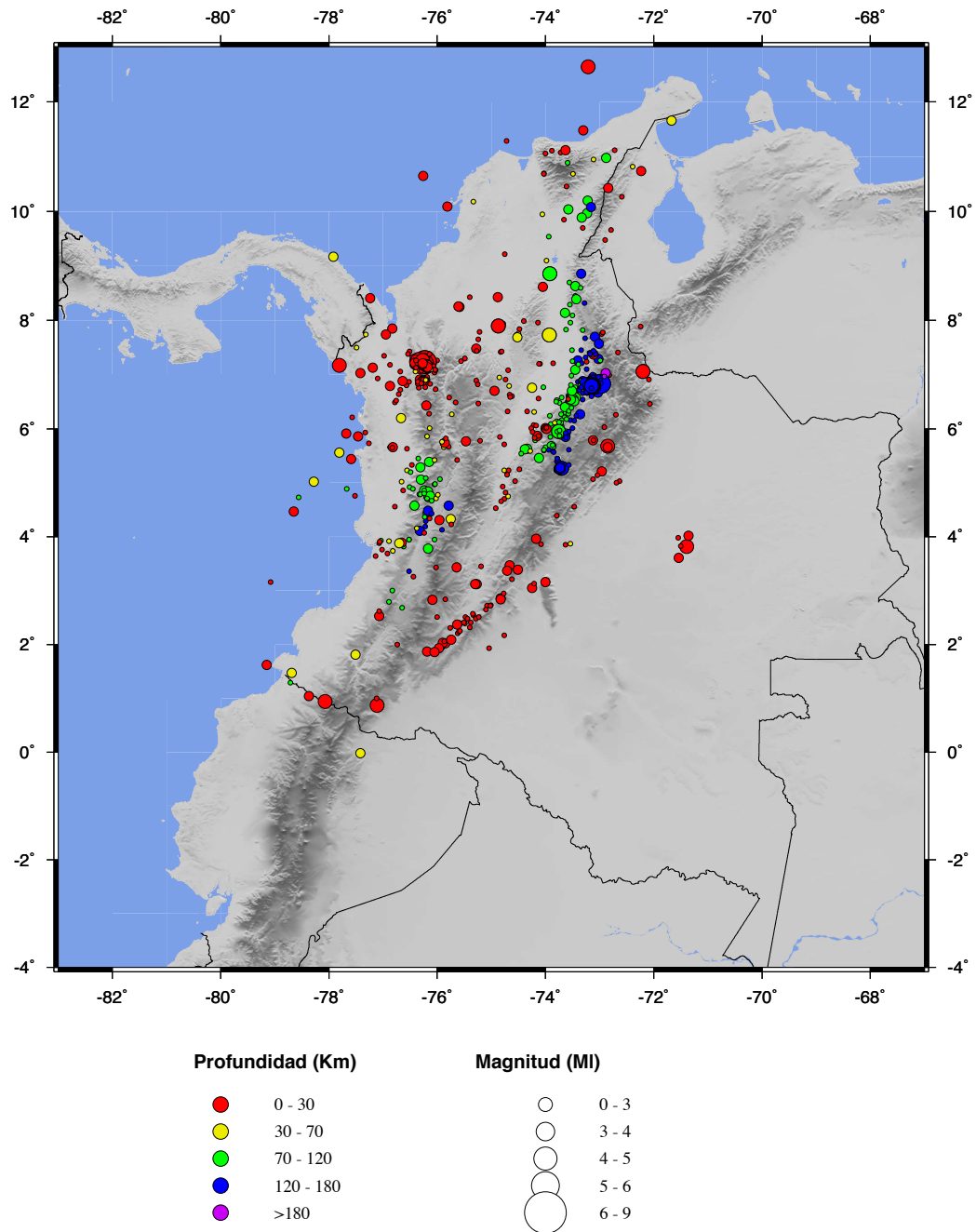


Figura 6: Sismicidad registrada por la RSNC durante septiembre de 2016

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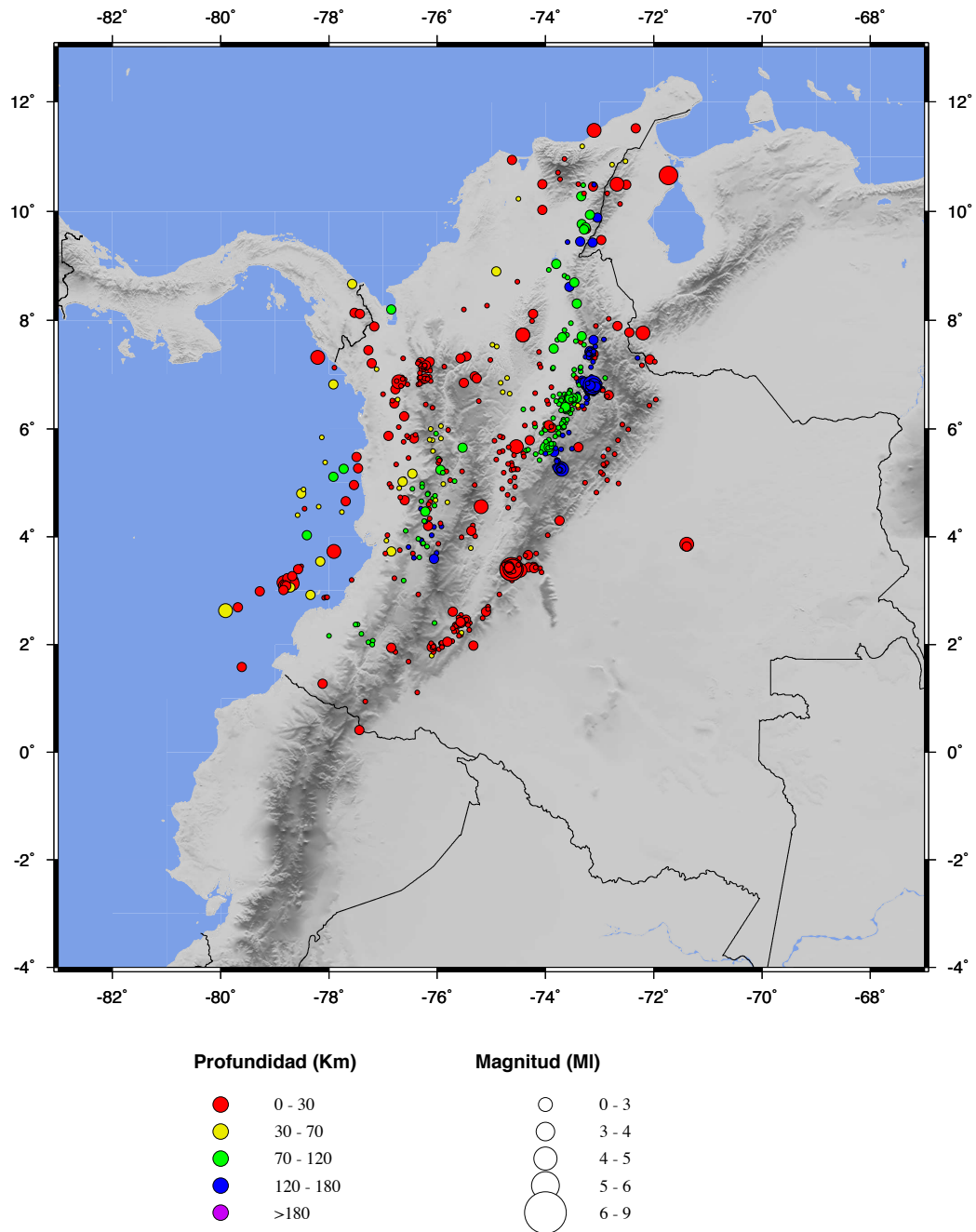


Figura 7: Sismicidad registrada por la RSNC durante octubre de 2016

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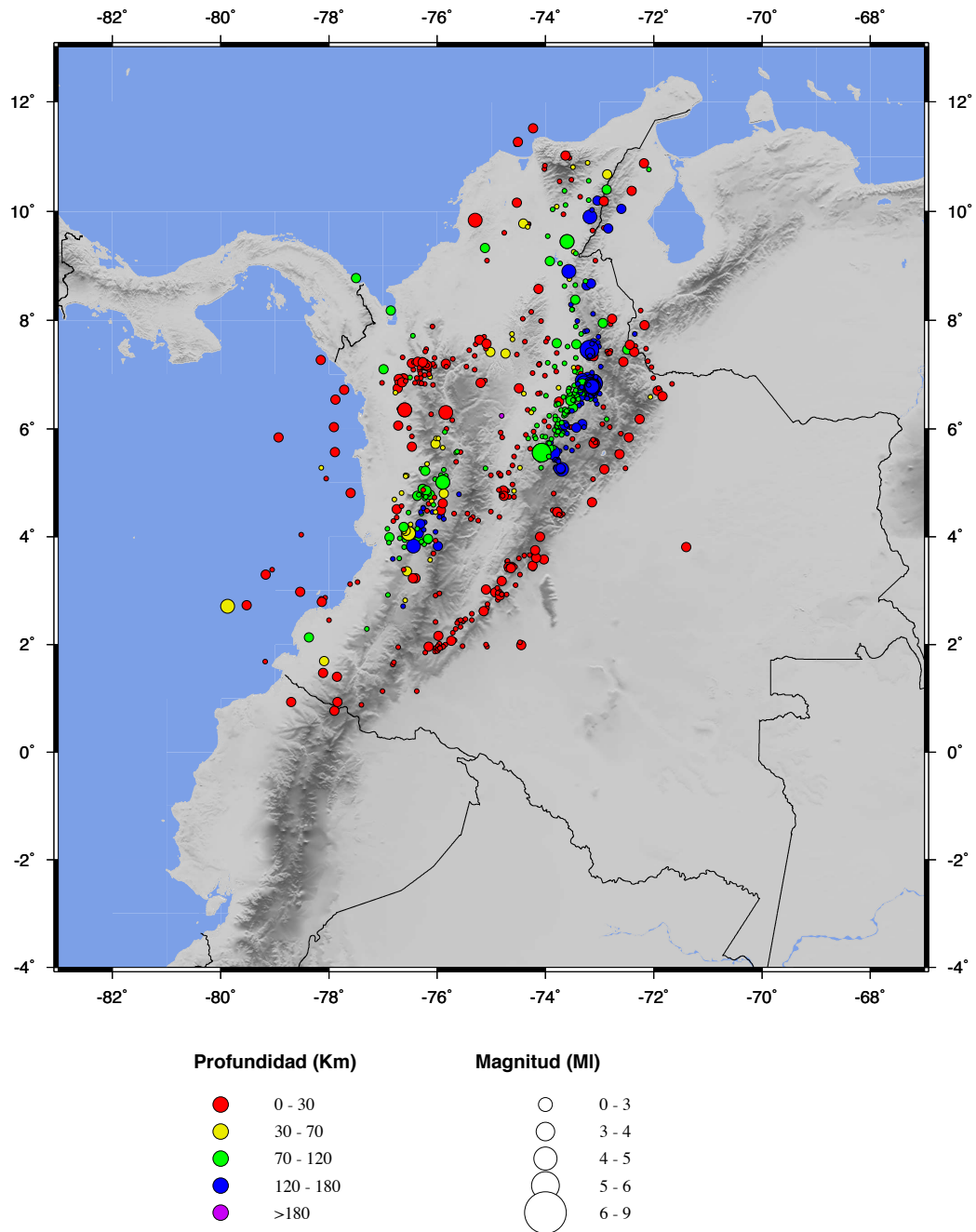


Figura 8: Sismicidad registrada por la RSNC durante noviembre de 2016

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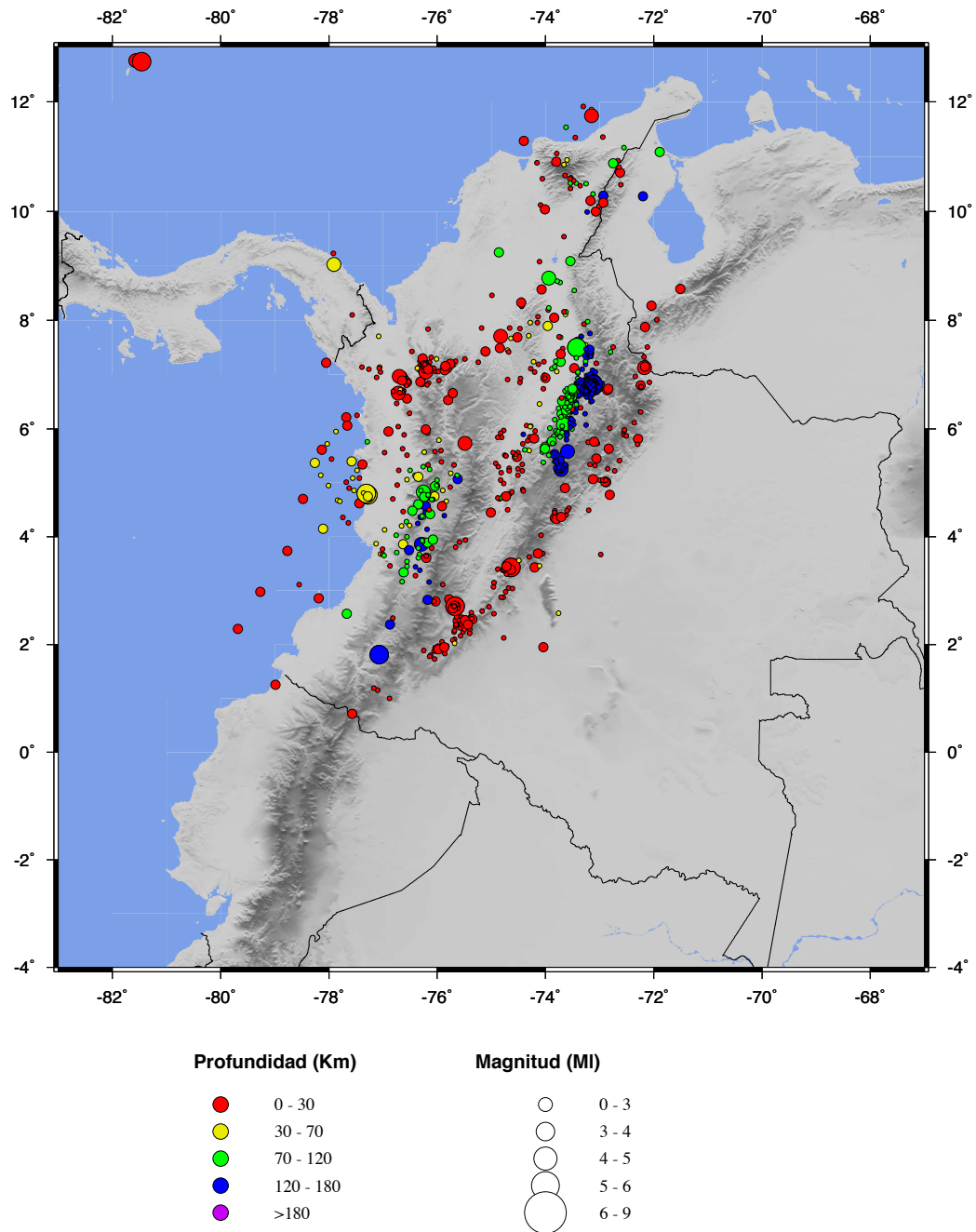


Figura 9: Sismicidad registrada por la RSNC durante diciembre de 2016



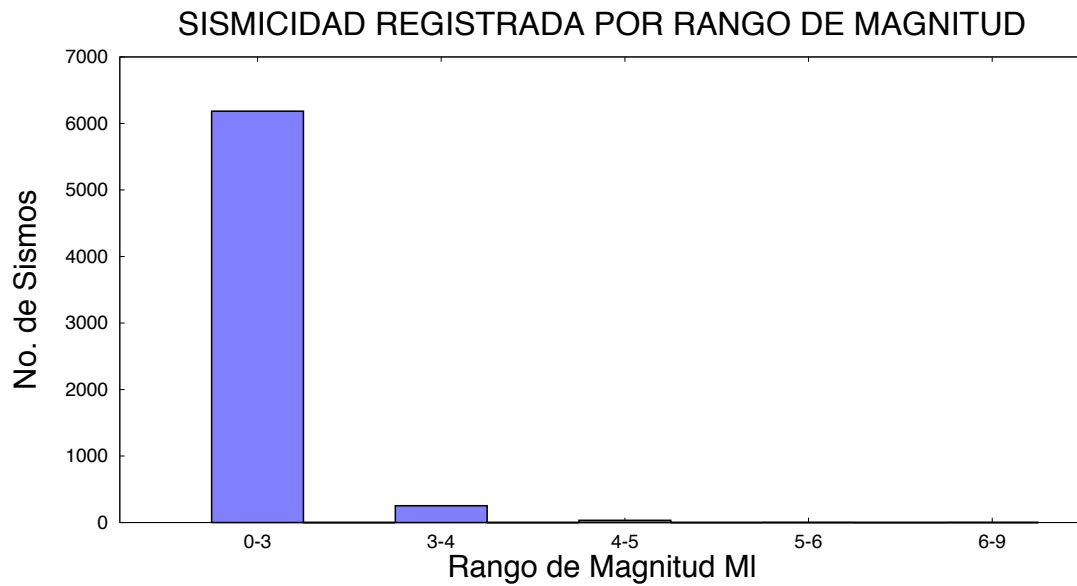


Figura 10: Número de sismos registrados por rango de magnitud, julio-diciembre de 2016

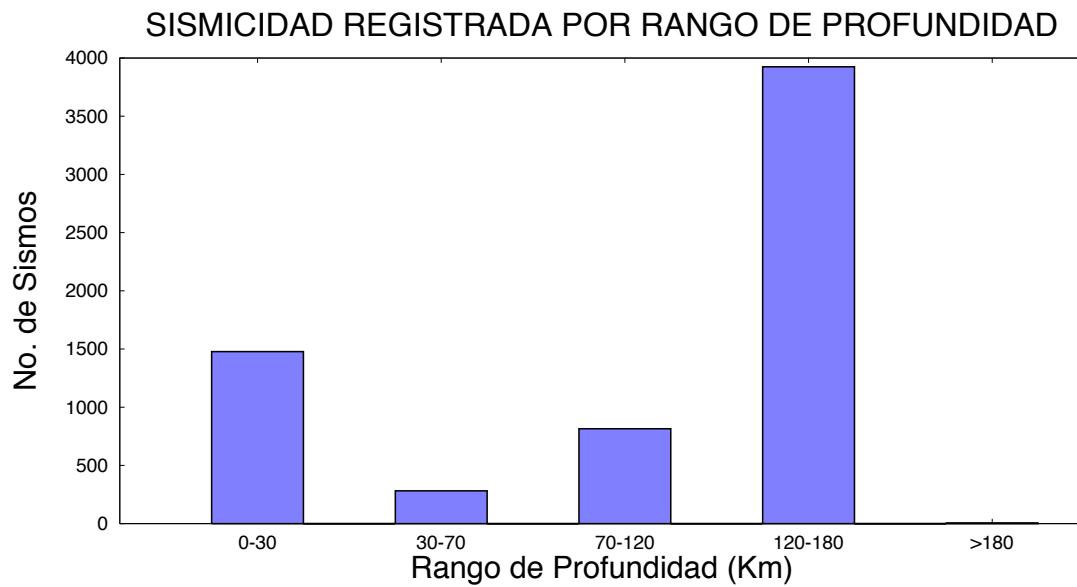


Figura 11: Número de sismos registrados por rango de profundidad, julio-diciembre de 2016

## EVENTOS SÍSMICOS LOCALIZADOS DURANTE JULIO-DICIEMBRE DE 2016

Cuadro 2: Listado de eventos localizados durante julio-diciembre de 2016

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1	Jul 1 2016	00:21: 1.3	6.77	-73.13	144	1.8	0.5	236	17	LOS SANTOS (SANTANDER)
2	Jul 1 2016	00:23:14.2	8.26	-72.04	Sup	1.7	0.3	194	10	FRONTERA CON VENEZUELA
3	Jul 1 2016	00:30:12.5	8.53	-72.93	Sup	1.9	0.5	111	18	EL TARRA (N.SANTANDER)
4	Jul 1 2016	02:02:22.0	6.67	-73.57	102	1.5	0.5	119	14	EL CARMEN (SANTANDER)
5	Jul 1 2016	02:43:12.6	4.67	-76.09	93	1.2	0.3	122	9	ARGELIA (VALLE)
6	Jul 1 2016	04:06:43.9	6.76	-73.19	144	1.5	0.4	230	14	ZAPATOCA (SANTANDER)
7	Jul 1 2016	04:22:58.3	6.78	-73.14	145	2.4	0.5	120	44	LOS SANTOS (SANTANDER)
8	Jul 1 2016	05:01:43.9	6.25	-76.08	Sup	0.9	0.3	163	8	URRAO (ANTIOQUIA)
9	Jul 1 2016	05:25:20.9	5.28	-73.77	147	1.7	0.5	167	27	CUCUNUBA (CUNDINAMARCA)
10	Jul 1 2016	05:36:27.3	4.79	-76.19	104	1.3	0.2	130	10	EL CAIRO (VALLE)
11	Jul 1 2016	05:41:21.8	6.80	-73.10	149	1.7	0.5	263	14	LOS SANTOS (SANTANDER)
12	Jul 1 2016	05:41:59.4	6.72	-73.15	150	1.4	0.4	247	9	VILLANUEVA (SANTANDER)
13	Jul 1 2016	05:55:58.1	4.55	-76.01	18	1.0	0.6	113	12	LA VICTORIA (VALLE)
14	Jul 1 2016	06:39:47.1	5.66	-73.69	145	1.6	0.4	183	10	SUTAMARCHAN (BOYACA)
15	Jul 1 2016	07:40:58.7	6.78	-73.15	139	1.3	0.5	247	10	LOS SANTOS (SANTANDER)
16	Jul 1 2016	07:49:15.1	6.78	-73.19	142	2.0	0.5	131	35	ZAPATOCA (SANTANDER)
17	Jul 1 2016	08:46:13.3	6.78	-73.12	145	1.7	0.5	238	18	LOS SANTOS (SANTANDER)
18	Jul 1 2016	09:14:22.8	6.76	-73.13	138	2.1	0.5	121	36	LOS SANTOS (SANTANDER)
19	Jul 1 2016	09:42:35.3	6.79	-73.04	157	1.8	0.5	247	15	LOS SANTOS (SANTANDER)
20	Jul 1 2016	13:16:14.5	6.52	-73.50	108	2.0	0.3	73	29	EL CARMEN (SANTANDER)
21	Jul 1 2016	14:42: 6.1	6.73	-73.18	147	1.6	0.2	227	15	VILLANUEVA (SANTANDER)
22	Jul 1 2016	14:47: 0.7	4.76	-76.16	97	1.9	0.3	127	19	ARGELIA (VALLE)
23	Jul 1 2016	16:39: 8.8	7.52	-73.14	140	2.2	0.4	153	30	EL PLAYON (SANTANDER)
24	Jul 1 2016	17:08:24.6	7.14	-76.32	Sup	1.9	0.3	233	9	DABEIBA (ANTIOQUIA)
25	Jul 1 2016	17:27:37.1	6.51	-76.85	Sup	2.0	0.5	276	10	VIGIA DEL FUERTE (ANTIOQUIA)
26	Jul 1 2016	17:27:48.9	6.88	-73.19	156	1.9	0.5	127	13	BETULIA (SANTANDER)
27	Jul 1 2016	17:37:35.7	7.22	-78.32	11	2.6	0.5	149	29	O. PACIFICO NORTE
28	Jul 1 2016	21:22:47.4	2.37	-75.45	14	1.6	0.3	174	8	GIGANTE (HUILA)
29	Jul 1 2016	21:47:45.0	11.35	-74.62	17	1.5	0.2	260	7	MAR CARIBE
30	Jul 1 2016	22:25:40.0	6.76	-73.10	139	1.6	0.4	143	12	LOS SANTOS (SANTANDER)
31	Jul 1 2016	22:35:37.9	6.77	-73.15	141	2.0	0.4	136	14	LOS SANTOS (SANTANDER)
32	Jul 1 2016	23:31:45.4	11.18	-72.34	97	1.7	0.3	212	9	MANAURE BALCON CESAR (CESAR)
33	Jul 1 2016	23:57:24.6	6.99	-75.27	15	2.0	0.5	74	13	CAMPAMENTO (ANTIOQUIA)
34	Jul 2 2016	00:05:42.7	4.37	-76.25	106	1.1	0.2	165	8	BOLIVAR (VALLE)
35	Jul 2 2016	00:30:25.0	3.18	-74.45	28	1.2	0.1	189	8	URIBE (META)
36	Jul 2 2016	00:46:41.1	6.53	-73.53	112	1.7	0.4	65	30	EL CARMEN (SANTANDER)
37	Jul 2 2016	00:55:18.2	5.26	-78.11	22	1.4	0.2	308	8	O. PACIFICO CENTRO
38	Jul 2 2016	01:15:50.6	6.77	-73.17	146	1.7	0.3	135	19	LOS SANTOS (SANTANDER)
39	Jul 2 2016	01:38:22.9	6.77	-73.14	143	1.3	0.3	235	14	LOS SANTOS (SANTANDER)
40	Jul 2 2016	02:46:10.6	6.79	-73.12	145	1.8	0.3	239	21	LOS SANTOS (SANTANDER)
41	Jul 2 2016	03:09:49.2	3.85	-76.73	44	1.6	0.4	191	19	DAGUA (VALLE)
42	Jul 2 2016	03:47: 8.1	3.87	-76.97	29	1.3	0.3	124	8	BUENAVENTURA (VALLE)
43	Jul 2 2016	04:15:24.0	9.73	-72.91	Sup	1.5	0.1	245	7	FRONTERA CON VENEZUELA
44	Jul 2 2016	05:26:27.3	5.60	-73.96	108	1.2	0.2	134	15	PAUNA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
45	Jul 2 2016	05:34:34.9	5.61	-73.93	119	1.3	0.1	213	8	PAUNA (BOYACA)
46	Jul 2 2016	05:46:17.3	6.77	-73.14	149	1.3	0.2	235	10	LOS SANTOS (SANTANDER)
47	Jul 2 2016	06:07:29.7	6.64	-73.61	96	1.1	0.3	109	17	EL CARMEN (SANTANDER)
48	Jul 2 2016	06:10:27.7	5.70	-78.12	18	1.9	0.2	280	10	O. PACIFICO NORTE
49	Jul 2 2016	06:28:53.9	4.40	-76.28	112	1.2	0.2	172	8	EL DOVIO (VALLE)
50	Jul 2 2016	06:35: 4.4	6.77	-73.09	154	1.3	0.3	241	12	LOS SANTOS (SANTANDER)
51	Jul 2 2016	07:36:16.3	6.74	-73.14	149	1.2	0.2	234	9	LOS SANTOS (SANTANDER)
52	Jul 2 2016	09:06:23.5	6.84	-73.14	144	1.4	0.3	135	13	LOS SANTOS (SANTANDER)
53	Jul 2 2016	12:06:13.0	1.96	-75.89	Sup	1.1	0.2	158	7	TIMANA (HUILA)
54	Jul 2 2016	12:50:18.2	3.80	-71.38	Sup	2.6	0.6	264	25	PUERTO GAITAN (META)
55	Jul 2 2016	16:09:26.3	6.80	-73.12	149	2.0	0.4	121	22	LOS SANTOS (SANTANDER)
56	Jul 2 2016	20:08:51.2	6.79	-73.16	144	2.1	0.4	135	24	LOS SANTOS (SANTANDER)
57	Jul 2 2016	20:29:18.1	6.76	-73.19	148	1.3	0.3	229	7	ZAPATOCA (SANTANDER)
58	Jul 2 2016	21:53:59.9	6.72	-73.18	153	1.5	0.4	227	8	VILLANUEVA (SANTANDER)
59	Jul 2 2016	22:25:20.4	6.79	-73.16	152	1.6	0.2	235	8	LOS SANTOS (SANTANDER)
60	Jul 3 2016	00:12:30.6	6.83	-73.14	141	2.3	0.4	70	38	LOS SANTOS (SANTANDER)
61	Jul 3 2016	00:20:11.2	6.85	-73.15	135	1.4	0.2	242	13	LOS SANTOS (SANTANDER)
62	Jul 3 2016	00:53:40.1	6.61	-73.25	146	1.4	0.3	149	11	CABRERA (SANTANDER)
63	Jul 3 2016	01:08:20.6	5.36	-75.78	Sup	1.5	0.5	107	21	GUATICA (RISARALDA)
64	Jul 3 2016	01:13:14.7	11.20	-73.55	8	1.4	0.4	165	8	PUEBLO BELLO (CESAR)
65	Jul 3 2016	01:27:20.2	4.71	-75.95	83	0.9	0.4	159	8	CARTAGO (VALLE)
66	Jul 3 2016	01:54:44.7	6.78	-73.09	144	1.7	0.3	241	17	LOS SANTOS (SANTANDER)
67	Jul 3 2016	02:21:41.2	1.62	-76.49	Sup	1.3	0.4	152	8	SANTA ROSA (CAUCA)
68	Jul 3 2016	02:26:11.8	6.72	-76.69	Sup	1.5	0.4	246	12	VIGIA DEL FUERTE (ANTIOQUIA)
69	Jul 3 2016	02:28:17.2	6.80	-73.16	143	2.1	0.3	135	32	LOS SANTOS (SANTANDER)
70	Jul 3 2016	03:05:38.0	8.45	-74.19	15	1.5	0.2	125	10	TIQUISIO (BOLIVAR)
71	Jul 3 2016	04:52:24.9	5.25	-73.75	147	2.0	0.4	77	36	CUCUNUBA (CUNDINAMARCA)
72	Jul 3 2016	05:06:43.7	6.76	-73.14	152	1.4	0.4	234	12	LOS SANTOS (SANTANDER)
73	Jul 3 2016	05:34:11.8	6.63	-73.15	150	1.2	0.3	266	8	VILLANUEVA (SANTANDER)
74	Jul 3 2016	06:31:34.6	6.79	-73.20	146	1.3	0.3	231	12	ZAPATOCA (SANTANDER)
75	Jul 3 2016	06:45: 9.9	6.80	-73.15	143	1.4	0.3	237	12	LOS SANTOS (SANTANDER)
76	Jul 3 2016	07:38:19.3	6.71	-73.21	149	1.0	0.2	214	8	VILLANUEVA (SANTANDER)
77	Jul 3 2016	07:44:22.3	6.79	-73.47	121	1.1	0.2	161	9	EL CARMEN (SANTANDER)
78	Jul 3 2016	08:23:43.1	5.83	-73.90	108	1.4	0.3	137	14	LA BELLEZA (SANTANDER)
79	Jul 3 2016	08:28:24.6	5.59	-74.33	83	0.9	0.3	173	10	LA VICTORIA (BOYACA)
80	Jul 3 2016	08:48:47.4	6.80	-73.20	134	1.4	0.2	231	10	ZAPATOCA (SANTANDER)
81	Jul 3 2016	09:34:35.7	2.79	-74.36	Sup	1.4	0.3	128	10	URIBE (META)
82	Jul 3 2016	09:34:35.7	2.79	-74.36	Sup	1.4	0.3	128	10	URIBE (META)
83	Jul 3 2016	09:37:42.1	6.78	-73.16	151	1.7	0.3	234	11	LOS SANTOS (SANTANDER)
84	Jul 3 2016	09:37:43.2	6.77	-73.16	140	1.7	0.2	233	13	LOS SANTOS (SANTANDER)
85	Jul 3 2016	09:56: 8.0	5.05	-74.68	Sup	1.6	0.4	75	23	GUADUAS (CUNDINAMARCA)
86	Jul 3 2016	10:02:29.0	6.72	-73.23	168	1.5	0.4	211	8	VILLANUEVA (SANTANDER)
87	Jul 3 2016	10:55:35.3	9.30	-73.24	128	2.2	0.5	167	22	FRONTERA CON VENEZUELA
88	Jul 3 2016	10:56:12.2	4.01	-77.22	19	1.3	0.5	139	8	BUENAVENTURA (VALLE)
89	Jul 3 2016	11:07:45.9	6.81	-73.08	140	1.6	0.4	245	14	LOS SANTOS (SANTANDER)
90	Jul 3 2016	12:12:32.0	6.81	-73.14	143	1.7	0.4	239	13	LOS SANTOS (SANTANDER)
91	Jul 3 2016	12:54:38.6	6.77	-73.15	147	1.5	0.4	234	12	LOS SANTOS (SANTANDER)
92	Jul 3 2016	13:12:48.8	3.78	-77.03	18	1.3	0.4	143	8	BUENAVENTURA (VALLE)
93	Jul 3 2016	13:34:37.0	3.75	-77.04	Sup	1.5	0.5	147	8	BUENAVENTURA (VALLE)
94	Jul 3 2016	13:39:51.4	6.82	-73.15	145	2.6	0.4	239	40	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
95	Jul 3 2016	14:16:52.3	4.00	-71.33	Sup	2.1	0.6	269	15	OROCUE (CASANARE)
96	Jul 3 2016	15:35: 7.9	6.79	-73.12	155	1.8	0.4	211	19	LOS SANTOS (SANTANDER)
97	Jul 3 2016	15:38:15.8	6.80	-73.12	151	2.0	0.5	211	20	LOS SANTOS (SANTANDER)
98	Jul 3 2016	16:46:45.7	2.37	-75.26	18	1.4	0.2	191	8	ALGECIRAS (HUILA)
99	Jul 3 2016	17:25: 5.2	6.74	-73.97	19	1.7	0.4	86	16	PUERTO PARRA (SANTANDER)
100	Jul 3 2016	18:04:31.2	6.50	-73.77	89	1.7	0.5	76	18	SANTA HELENA DEL OPOON (SANTANDER)
101	Jul 3 2016	18:15:55.4	4.67	-73.65	Sup	1.3	0.4	300	7	GAMA (CUNDINAMARCA)
102	Jul 3 2016	18:50:20.6	6.79	-73.12	151	2.0	0.5	240	22	LOS SANTOS (SANTANDER)
103	Jul 3 2016	19:27: 4.8	5.29	-73.84	132	1.6	0.4	162	14	UBATE (CUNDINAMARCA)
104	Jul 3 2016	20:28: 4.7	7.08	-76.33	Sup	1.6	0.5	291	8	DABEIBA (ANTIOQUIA)
105	Jul 3 2016	20:50:38.5	6.81	-73.17	146	2.4	0.5	132	37	ZAPATOCA (SANTANDER)
106	Jul 3 2016	21:08:31.3	4.72	-76.44	34	1.6	0.2	209	10	SIPI (CHOCO)
107	Jul 3 2016	21:49:23.2	6.78	-73.14	147	2.3	0.3	137	26	LOS SANTOS (SANTANDER)
108	Jul 3 2016	21:54:45.0	7.10	-76.28	Sup	1.9	0.4	268	10	DABEIBA (ANTIOQUIA)
109	Jul 3 2016	22:05:17.3	6.75	-73.07	148	2.4	0.4	127	33	LOS SANTOS (SANTANDER)
110	Jul 3 2016	22:34:36.6	7.08	-72.31	Sup	1.5	0.4	198	9	CUBARA (BOYACA)
111	Jul 3 2016	22:49:27.4	5.65	-76.67	Sup	1.7	0.4	280	8	QUIBDO (CHOCO)
112	Jul 3 2016	23:16:31.4	6.77	-73.18	150	1.3	0.2	231	8	LOS SANTOS (SANTANDER)
113	Jul 4 2016	00:13:37.9	7.10	-76.34	Sup	1.7	0.4	246	15	DABEIBA (ANTIOQUIA)
114	Jul 4 2016	00:28: 1.1	7.04	-72.23	6	1.6	0.4	106	15	CUBARA (BOYACA)
115	Jul 4 2016	00:38:21.6	5.27	-73.73	148	3.1	0.5	65	55	CUCUNUBA (CUNDINAMARCA)
116	Jul 4 2016	00:54: 9.8	3.79	-71.58	Sup	2.0	0.3	225	9	PUERTO GAITAN (META)
117	Jul 4 2016	02:08:29.8	6.84	-73.18	147	3.5	0.6	68	0	ZAPATOCA (SANTANDER)
118	Jul 4 2016	02:08:29.8	6.84	-73.18	147	3.5	0.6	68	80	ZAPATOCA (SANTANDER)
119	Jul 4 2016	02:21: 0.3	6.74	-73.15	139	1.6	0.4	121	14	LOS SANTOS (SANTANDER)
120	Jul 4 2016	02:50: 3.6	6.77	-73.17	149	1.5	0.4	233	13	LOS SANTOS (SANTANDER)
121	Jul 4 2016	02:55:27.4	4.74	-76.16	97	1.1	0.4	129	10	ARGELIA (VALLE)
122	Jul 4 2016	03:43:58.8	3.59	-74.45	17	1.3	0.5	128	10	VILLARRICA (TOLIMA)
123	Jul 4 2016	03:49: 6.2	6.83	-73.13	146	1.5	0.5	242	14	LOS SANTOS (SANTANDER)
124	Jul 4 2016	03:56:14.5	6.73	-73.19	146	1.6	0.4	227	14	VILLANUEVA (SANTANDER)
125	Jul 4 2016	04:00:52.9	10.77	-73.64	32	1.5	0.3	128	10	PUEBLO BELLO (CESAR)
126	Jul 4 2016	04:23:11.6	5.16	-74.55	20	1.8	0.5	78	26	UTICA (CUNDINAMARCA)
127	Jul 4 2016	04:30: 2.2	6.57	-73.41	118	1.9	0.5	114	26	HATO (SANTANDER)
128	Jul 4 2016	04:51:42.0	5.95	-72.68	Sup	1.2	0.4	201	11	SOCHA (BOYACA)
129	Jul 4 2016	04:57:11.1	7.46	-74.83	Sup	1.7	0.5	148	21	ZARAGOZA (ANTIOQUIA)
130	Jul 4 2016	05:50:47.0	5.54	-75.64	92	1.6	0.3	86	24	CARAMANTA (ANTIOQUIA)
131	Jul 4 2016	05:55:46.4	7.10	-76.26	Sup	1.4	0.5	240	13	DABEIBA (ANTIOQUIA)
132	Jul 4 2016	06:13:43.4	6.78	-73.18	158	1.6	0.3	132	9	ZAPATOCA (SANTANDER)
133	Jul 4 2016	06:30:12.2	6.78	-73.18	151	1.3	0.3	232	11	LOS SANTOS (SANTANDER)
134	Jul 4 2016	07:22:23.6	6.53	-76.80	6	2.5	0.4	127	52	VIGIA DEL FUERTE (ANTIOQUIA)
135	Jul 4 2016	08:13: 5.5	10.63	-73.51	83	1.6	0.2	111	8	PUEBLO BELLO (CESAR)
136	Jul 4 2016	08:46:38.9	6.49	-76.76	19	1.1	0.2	243	9	VIGIA DEL FUERTE (ANTIOQUIA)
137	Jul 4 2016	08:51:34.4	6.29	-77.54	13	1.7	0.5	284	8	O. PACIFICO NORTE
138	Jul 4 2016	08:51:36.2	5.94	-73.75	106	2.1	0.5	42	43	BOLIVAR (SANTANDER)
139	Jul 4 2016	08:54:53.4	6.80	-73.14	144	2.0	0.5	102	38	LOS SANTOS (SANTANDER)
140	Jul 4 2016	09:02:39.2	7.07	-76.33	11	1.2	0.3	245	6	DABEIBA (ANTIOQUIA)
141	Jul 4 2016	09:26:10.0	5.81	-74.07	Sup	1.2	0.5	111	14	FLORIAN (SANTANDER)
142	Jul 4 2016	09:43:45.6	4.68	-75.07	29	1.3	0.1	123	15	SANTA ISABEL (TOLIMA)
143	Jul 4 2016	10:13:49.9	5.93	-73.65	117	1.4	0.2	142	18	BARBOSA (SANTANDER)
144	Jul 4 2016	10:36: 7.1	6.76	-73.13	141	1.7	0.3	139	22	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
145	Jul 4 2016	10:44:21.1	3.80	-77.05	78	1.1	0.2	142	7	BUENAVENTURA (VALLE)
146	Jul 4 2016	11:00:48.0	6.18	-73.68	116	1.6	0.2	78	14	LA PAZ (SANTANDER)
147	Jul 4 2016	11:08:22.7	6.76	-73.13	137	1.9	0.4	140	25	LOS SANTOS (SANTANDER)
148	Jul 4 2016	11:41:42.8	4.41	-75.23	16	1.1	0.2	136	10	IBAGUE (TOLIMA)
149	Jul 4 2016	11:43:57.7	2.34	-75.68	18	1.0	0.1	220	8	AGRADO (HUILA)
150	Jul 4 2016	11:45:23.6	6.76	-73.13	144	1.7	0.2	139	18	LOS SANTOS (SANTANDER)
151	Jul 4 2016	12:20:13.7	6.76	-73.18	150	1.4	0.2	231	11	LOS SANTOS (SANTANDER)
152	Jul 4 2016	12:28:37.3	3.71	-75.92	Sup	1.2	0.2	132	13	RIOBLANCO (TOLIMA)
153	Jul 4 2016	12:49:21.8	6.76	-73.16	150	1.5	0.5	136	16	LOS SANTOS (SANTANDER)
154	Jul 4 2016	13:23:57.2	6.75	-73.16	148	1.5	0.4	135	16	LOS SANTOS (SANTANDER)
155	Jul 4 2016	13:24: 6.6	4.94	-76.30	110	1.4	0.3	251	10	SAN JOSE DEL PALMAR (CHOCO)
156	Jul 4 2016	13:50:10.9	6.75	-73.89	Sup	1.2	0.2	138	7	PUERTO PARRA (SANTANDER)
157	Jul 4 2016	13:53:55.2	6.78	-73.17	150	1.8	0.3	134	20	LOS SANTOS (SANTANDER)
158	Jul 4 2016	14:18: 8.7	6.79	-73.13	145	1.8	0.3	138	20	LOS SANTOS (SANTANDER)
159	Jul 4 2016	15:59: 1.3	4.01	-76.86	13	1.9	0.7	115	26	BUENAVENTURA (VALLE)
160	Jul 4 2016	16:30:28.5	7.56	-72.90	Sup	1.8	0.6	190	15	ARBOLEDAS (N.SANTANDER)
161	Jul 4 2016	17:30:45.2	5.23	-75.92	16	1.4	0.4	126	14	BELEN DE UMBRIA (RISARALDA)
162	Jul 4 2016	18:30:14.1	6.79	-73.13	145	1.7	0.3	138	22	LOS SANTOS (SANTANDER)
163	Jul 4 2016	19:04:56.6	6.00	-74.01	87	1.5	0.2	143	13	LA BELLEZA (SANTANDER)
164	Jul 4 2016	19:15:48.5	6.78	-73.13	136	1.4	0.1	138	10	LOS SANTOS (SANTANDER)
165	Jul 4 2016	19:48:36.7	6.69	-73.12	136	1.7	0.3	143	14	JORDAN (SANTANDER)
166	Jul 4 2016	19:53:26.1	6.76	-73.11	141	1.8	0.2	142	12	LOS SANTOS (SANTANDER)
167	Jul 4 2016	22:37:38.8	2.34	-75.62	17	1.6	0.3	105	10	GIGANTE (HUILA)
168	Jul 4 2016	23:06:44.8	6.80	-73.14	145	2.8	0.5	119	49	LOS SANTOS (SANTANDER)
169	Jul 4 2016	23:27:24.4	1.76	-76.11	18	1.6	0.3	222	8	PALESTINA (HUILA)
170	Jul 4 2016	23:31:12.1	6.80	-73.13	147	2.4	0.5	120	47	LOS SANTOS (SANTANDER)
171	Jul 5 2016	01:16:15.5	6.76	-73.17	146	1.8	0.5	134	14	LOS SANTOS (SANTANDER)
172	Jul 5 2016	01:16:52.4	6.79	-73.13	148	2.1	0.5	120	30	LOS SANTOS (SANTANDER)
173	Jul 5 2016	01:45:58.1	3.83	-71.52	Sup	2.2	0.5	226	13	PUERTO GAITAN (META)
174	Jul 5 2016	03:22:15.1	7.19	-73.34	25	1.7	0.5	156	12	LEBRIJA (SANTANDER)
175	Jul 5 2016	03:26: 6.1	5.27	-73.76	145	2.4	0.4	76	38	CUCUNUBA (CUNDINAMARCA)
176	Jul 5 2016	03:53:36.8	4.30	-76.23	122	2.2	0.5	100	36	BOLIVAR (VALLE)
177	Jul 5 2016	04:29:21.7	6.78	-73.12	147	2.4	0.4	103	39	LOS SANTOS (SANTANDER)
178	Jul 5 2016	04:43:10.2	6.84	-73.17	137	1.9	0.3	131	24	ZAPATOCA (SANTANDER)
179	Jul 5 2016	04:45:40.0	6.85	-73.06	151	2.0	0.5	123	29	LOS SANTOS (SANTANDER)
180	Jul 5 2016	04:56:14.1	6.75	-73.12	150	1.2	0.5	258	7	LOS SANTOS (SANTANDER)
181	Jul 5 2016	04:59:30.9	6.83	-76.47	42	1.5	0.5	251	9	DABEIBA (ANTIOQUIA)
182	Jul 5 2016	05:09:37.8	6.76	-73.13	140	1.6	0.5	140	17	LOS SANTOS (SANTANDER)
183	Jul 5 2016	05:38: 7.0	6.78	-73.11	140	1.6	0.5	122	18	LOS SANTOS (SANTANDER)
184	Jul 5 2016	06:00:11.0	2.35	-75.56	Sup	2.0	0.4	70	26	GIGANTE (HUILA)
185	Jul 5 2016	06:09: 0.7	6.63	-73.27	137	1.1	0.8	155	9	GALAN (SANTANDER)
186	Jul 5 2016	06:10:16.9	5.62	-77.49	23	1.5	0.4	200	8	O. PACIFICO NORTE
187	Jul 5 2016	06:54:29.3	4.07	-76.90	Sup	1.3	0.5	162	13	BUENAVENTURA (VALLE)
188	Jul 5 2016	07:31:51.7	6.83	-73.09	155	1.6	0.5	213	14	LOS SANTOS (SANTANDER)
189	Jul 5 2016	08:59:33.6	6.73	-73.40	124	1.1	0.4	162	9	EL CARMEN (SANTANDER)
190	Jul 5 2016	09:07:44.6	2.94	-74.76	8	1.1	0.5	140	9	BARAYA (HUILA)
191	Jul 5 2016	09:39:30.8	6.72	-73.16	141	1.4	0.3	137	12	VILLANUEVA (SANTANDER)
192	Jul 5 2016	10:15:41.7	6.76	-73.13	146	1.6	0.3	140	11	LOS SANTOS (SANTANDER)
193	Jul 5 2016	10:28: 1.6	5.41	-73.79	136	2.2	0.5	119	32	FUQUENE (CUNDINAMARCA)
194	Jul 5 2016	11:00:57.7	6.82	-73.15	154	1.7	0.5	134	14	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
195	Jul 5 2016	11:21:15.9	6.76	-73.16	153	1.7	0.4	233	12	LOS SANTOS (SANTANDER)
196	Jul 5 2016	12:02:16.4	6.77	-73.17	150	1.7	0.4	135	12	LOS SANTOS (SANTANDER)
197	Jul 5 2016	12:24:26.3	6.79	-73.14	150	1.7	0.3	137	12	LOS SANTOS (SANTANDER)
198	Jul 5 2016	12:40:42.4	6.78	-73.14	143	1.4	0.2	243	8	LOS SANTOS (SANTANDER)
199	Jul 5 2016	13:06:25.6	6.75	-73.16	146	1.5	0.4	231	10	LOS SANTOS (SANTANDER)
200	Jul 5 2016	13:21:38.6	6.57	-73.52	110	2.9	0.5	103	42	EL CARMEN (SANTANDER)
201	Jul 5 2016	14:47:46.5	5.93	-74.74	Sup	1.4	0.5	159	10	PUERTO TRIUNFO (ANTIOQUIA)
202	Jul 5 2016	15:46:34.0	3.24	-74.45	11	2.1	0.2	188	12	URIBE (META)
203	Jul 5 2016	17:33:18.3	2.26	-75.81	Sup	1.9	0.4	93	18	PITAL (HUILA)
204	Jul 5 2016	20:55: 2.6	6.56	-73.55	106	1.8	0.5	102	18	EL CARMEN (SANTANDER)
205	Jul 5 2016	22:50:39.1	6.76	-73.21	145	1.4	0.3	237	8	ZAPATOCA (SANTANDER)
206	Jul 5 2016	23:15:34.7	4.64	-76.04	21	1.3	0.4	157	12	TORO (VALLE)
207	Jul 6 2016	00:20:25.8	6.84	-73.17	148	1.9	0.5	131	34	ZAPATOCA (SANTANDER)
208	Jul 6 2016	00:36:20.1	3.83	-71.46	Sup	2.6	0.7	214	25	PUERTO GAITAN (META)
209	Jul 6 2016	00:52:34.7	7.70	-74.65	Sup	1.7	0.5	135	20	EL BAGRE (ANTIOQUIA)
210	Jul 6 2016	01:47:51.4	7.19	-76.25	7	2.1	0.4	99	32	MUTATA (ANTIOQUIA)
211	Jul 6 2016	02:13:46.0	7.27	-73.99	12	2.4	0.4	111	35	PUERTO WILCHES (SANTANDER)
212	Jul 6 2016	03:30:39.7	5.57	-73.83	129	1.3	0.1	142	14	CALDAS (BOYACA)
213	Jul 6 2016	04:23:36.2	6.84	-73.13	146	3.8	0.6	52	0	LOS SANTOS (SANTANDER)
214	Jul 6 2016	04:23:36.2	6.84	-73.13	146	3.8	0.6	52	110	LOS SANTOS (SANTANDER)
215	Jul 6 2016	04:51:53.8	6.79	-73.12	144	2.1	0.6	121	33	LOS SANTOS (SANTANDER)
216	Jul 6 2016	05:07:33.0	2.44	-75.45	9	1.7	0.4	87	24	GIGANTE (HUILA)
217	Jul 6 2016	07:07:18.3	7.43	-77.05	Sup	1.6	0.6	96	13	RIOSUCIO (CHOCO)
218	Jul 6 2016	08:10: 8.2	6.84	-73.09	129	1.3	0.3	249	9	LOS SANTOS (SANTANDER)
219	Jul 6 2016	09:26:52.8	6.76	-73.14	143	2.1	0.5	97	33	LOS SANTOS (SANTANDER)
220	Jul 6 2016	10:31:36.3	6.81	-73.16	148	1.5	0.3	246	11	LOS SANTOS (SANTANDER)
221	Jul 6 2016	10:48:15.9	6.77	-73.15	147	1.7	0.3	234	16	LOS SANTOS (SANTANDER)
222	Jul 6 2016	12:13:35.6	6.79	-73.13	143	2.0	0.4	239	18	LOS SANTOS (SANTANDER)
223	Jul 6 2016	12:49:18.8	6.14	-73.66	114	2.2	0.4	93	18	LA PAZ (SANTANDER)
224	Jul 6 2016	14:45: 3.2	6.80	-73.14	156	1.6	0.3	244	10	LOS SANTOS (SANTANDER)
225	Jul 6 2016	16:52: 8.3	6.82	-73.14	149	1.9	0.3	245	10	LOS SANTOS (SANTANDER)
226	Jul 6 2016	17:10:15.3	6.83	-73.17	143	1.4	0.2	243	7	ZAPATOCA (SANTANDER)
227	Jul 6 2016	17:36:51.7	6.69	-73.42	121	1.9	0.5	148	12	EL CARMEN (SANTANDER)
228	Jul 6 2016	18:39:15.6	6.76	-73.16	142	1.9	0.4	232	12	LOS SANTOS (SANTANDER)
229	Jul 6 2016	19:33:45.1	5.32	-73.76	150	2.0	0.4	164	18	UBATE (CUNDINAMARCA)
230	Jul 6 2016	20:31:24.5	6.78	-73.08	141	1.5	0.4	242	11	LOS SANTOS (SANTANDER)
231	Jul 6 2016	21:15:19.3	6.92	-73.09	145	1.5	0.4	252	8	PIEDECUESTA (SANTANDER)
232	Jul 6 2016	21:32:36.0	5.84	-74.83	Sup	1.0	0.5	98	11	PUERTO TRIUNFO (ANTIOQUIA)
233	Jul 6 2016	21:34:21.7	6.72	-73.17	150	1.6	0.3	228	12	VILLANUEVA (SANTANDER)
234	Jul 6 2016	23:44:20.5	6.39	-73.74	97	1.5	0.5	78	11	SANTA HELENA DEL OPON (SANTANDER)
235	Jul 6 2016	23:50:12.3	7.15	-75.65	Sup	1.9	0.4	116	24	ITUANGO (ANTIOQUIA)
236	Jul 7 2016	00:01:40.6	8.57	-73.30	134	1.6	0.6	186	11	CONVENCION (N.SANTANDER)
237	Jul 7 2016	00:13:47.4	5.61	-74.07	102	1.4	0.5	134	12	SAN PABLO DE BORBUR (BOYACA)
238	Jul 7 2016	00:40: 5.5	6.82	-73.16	144	2.1	0.5	133	35	LOS SANTOS (SANTANDER)
239	Jul 7 2016	00:46:20.6	7.50	-74.19	69	1.4	0.4	152	13	SAN PABLO (BOLIVAR)
240	Jul 7 2016	01:54:41.8	4.70	-76.06	47	1.4	0.6	70	13	ARGELIA (VALLE)
241	Jul 7 2016	02:18:26.7	6.74	-73.36	118	1.4	0.4	176	11	ZAPATOCA (SANTANDER)
242	Jul 7 2016	02:26:29.7	5.90	-73.64	119	1.8	0.3	71	25	BARBOSA (SANTANDER)
243	Jul 7 2016	02:28:21.7	2.01	-76.74	Sup	1.3	0.3	97	11	LA VEGA (CAUCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
244	Jul 7 2016	02:33: 6.7	6.79	-73.05	143	2.0	0.4	126	31	LOS SANTOS (SANTANDER)
245	Jul 7 2016	02:33: 6.7	6.79	-73.05	143	2.0	0.4	126	31	LOS SANTOS (SANTANDER)
246	Jul 7 2016	02:43:35.8	6.28	-75.74	29	2.1	0.5	80	33	EBEJICO (ANTIOQUIA)
247	Jul 7 2016	03:12:39.6	5.80	-73.11	Sup	1.0	0.6	238	9	PAIPA (BOYACA)
248	Jul 7 2016	03:15:59.4	6.04	-73.43	142	1.5	0.4	98	20	CHITARAQUE (BOYACA)
249	Jul 7 2016	03:37:54.1	6.79	-73.16	144	2.1	0.4	118	33	LOS SANTOS (SANTANDER)
250	Jul 7 2016	04:12:52.6	6.81	-73.05	152	2.1	0.6	227	25	LOS SANTOS (SANTANDER)
251	Jul 7 2016	05:00:33.1	6.69	-73.19	152	1.4	0.2	224	12	VILLANUEVA (SANTANDER)
252	Jul 7 2016	05:29:31.6	4.88	-78.03	39	1.4	0.2	302	7	O. PACIFICO CENTRO
253	Jul 7 2016	05:35:21.8	6.78	-73.02	133	1.4	0.6	248	12	CEPITA (SANTANDER)
254	Jul 7 2016	06:09:25.4	5.29	-73.02	Sup	1.6	0.4	241	9	SAN EDUARDO (BOYACA)
255	Jul 7 2016	06:15:38.1	7.09	-76.29	Sup	1.4	0.4	276	8	DABEIBA (ANTIOQUIA)
256	Jul 7 2016	08:35:56.7	5.30	-74.06	113	1.5	0.4	121	18	SAN CAYETANO (CUNDINAMARCA)
257	Jul 7 2016	09:15: 6.1	5.52	-76.41	Sup	1.6	0.5	77	27	LORO (CHOCO)
258	Jul 7 2016	09:21:46.5	6.78	-73.35	121	1.8	0.5	185	13	ZAPATOCA (SANTANDER)
259	Jul 7 2016	09:28: 3.8	6.68	-73.17	148	1.6	0.2	237	12	VILLANUEVA (SANTANDER)
260	Jul 7 2016	09:45:41.8	6.80	-76.91	72	2.5	0.3	195	36	VIGIA DEL FUERTE (ANTIOQUIA)
261	Jul 7 2016	09:58:59.9	6.75	-73.20	140	1.5	0.5	226	13	ZAPATOCA (SANTANDER)
262	Jul 7 2016	10:18:14.4	5.92	-72.69	9	1.0	0.3	272	9	SOCHA (BOYACA)
263	Jul 7 2016	10:22: 5.7	6.80	-73.12	139	1.7	0.3	240	19	LOS SANTOS (SANTANDER)
264	Jul 7 2016	10:26:35.8	3.57	-74.17	Sup	1.7	0.4	144	21	LEJANIAS (META)
265	Jul 7 2016	12:06:59.2	6.76	-73.27	142	1.6	0.3	204	11	ZAPATOCA (SANTANDER)
266	Jul 7 2016	12:15:58.2	7.14	-76.99	17	2.2	0.8	81	23	MURINDO (ANTIOQUIA)
267	Jul 7 2016	14:37:36.3	7.74	-74.93	100	1.3	0.3	207	9	EL BAGRE (ANTIOQUIA)
268	Jul 7 2016	15:20:26.1	7.35	-73.38	134	1.4	0.3	317	7	SABANA DE TORRES (SANTANDER)
269	Jul 7 2016	15:50:10.8	6.37	-73.53	115	1.7	0.4	138	9	SANTA HELENA DEL OPON (SANTANDER)
270	Jul 7 2016	15:59:21.8	4.85	-74.74	Sup	1.6	0.5	85	27	BELTRAN (CUNDINAMARCA)
271	Jul 7 2016	16:01: 3.8	7.40	-76.67	Sup	2.0	0.5	102	16	CHIGORODO (ANTIOQUIA)
272	Jul 7 2016	16:06:16.6	5.31	-74.60	7	1.9	0.6	62	30	CAPARRAPI (CUNDINAMARCA)
273	Jul 7 2016	16:11: 5.7	5.41	-75.49	Sup	0.8	0.5	141	8	SALAMINA (CALDAS)
274	Jul 7 2016	16:24:52.9	6.72	-73.16	151	1.8	0.4	230	12	VILLANUEVA (SANTANDER)
275	Jul 7 2016	17:22:43.5	6.83	-73.09	144	1.8	0.5	282	12	LOS SANTOS (SANTANDER)
276	Jul 7 2016	19:56:52.7	6.72	-76.72	16	2.5	0.4	93	36	VIGIA DEL FUERTE (ANTIOQUIA)
277	Jul 7 2016	20:31:51.1	6.81	-73.09	154	2.1	0.6	142	30	LOS SANTOS (SANTANDER)
278	Jul 7 2016	20:50:48.7	6.71	-73.20	134	1.8	0.5	221	12	VILLANUEVA (SANTANDER)
279	Jul 7 2016	21:05:41.3	5.27	-73.76	146	2.3	0.5	129	36	CUCUNUBA (CUNDINAMARCA)
280	Jul 7 2016	21:57:11.8	5.86	-74.86	Sup	1.4	0.5	91	16	SAN LUIS (ANTIOQUIA)
281	Jul 7 2016	22:09: 4.0	6.76	-73.12	149	1.7	0.4	237	16	LOS SANTOS (SANTANDER)
282	Jul 7 2016	23:00:42.1	6.81	-73.15	146	3.2	0.4	53	0	LOS SANTOS (SANTANDER)
283	Jul 7 2016	23:00:42.1	6.81	-73.15	146	3.2	0.4	53	57	LOS SANTOS (SANTANDER)
284	Jul 7 2016	23:31:45.5	6.84	-73.31	120	1.8	0.5	108	16	ZAPATOCA (SANTANDER)
285	Jul 7 2016	23:59:41.0	6.16	-74.16	22	2.0	0.6	94	26	CIMITARRA (SANTANDER)
286	Jul 8 2016	00:59: 3.8	6.69	-72.96	138	1.6	0.5	249	12	ARATOCA (SANTANDER)
287	Jul 8 2016	01:07:14.7	7.60	-73.20	140	1.8	0.5	158	11	EL PLAYON (SANTANDER)
288	Jul 8 2016	01:34:56.6	5.51	-72.64	Sup	2.2	0.6	116	26	LABRANZAGRANDE (BOYACA)
289	Jul 8 2016	02:55:28.5	7.44	-73.17	106	1.4	0.3	269	9	EL PLAYON (SANTANDER)
290	Jul 8 2016	03:43: 2.5	6.76	-73.11	142	2.1	0.5	123	36	LOS SANTOS (SANTANDER)
291	Jul 8 2016	06:15:50.5	6.79	-73.10	155	2.1	0.5	123	34	LOS SANTOS (SANTANDER)
292	Jul 8 2016	07:41:57.8	5.86	-74.37	70	1.3	0.3	85	14	PUERTO BOYACA (BOYACA)
293	Jul 8 2016	07:47:14.3	6.68	-73.54	100	1.4	0.5	228	8	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
294	Jul 8 2016	08:01: 3.8	0.85	-79.30	12	2.2	0.8	265	9	LA FRONTERA CON ECUADOR
295	Jul 8 2016	08:19:51.3	6.87	-73.14	135	1.9	0.6	247	20	LOS SANTOS (SANTANDER)
296	Jul 8 2016	08:23:19.4	5.59	-73.76	138	1.4	0.3	180	11	CHIQUINQUIRA (BOYACA)
297	Jul 8 2016	08:25:46.8	6.28	-76.91	27	2.0	0.3	98	18	BOJAYA (CHOCO)
298	Jul 8 2016	08:34:45.6	3.71	-76.76	63	1.7	0.3	118	14	DAGUA (VALLE)
299	Jul 8 2016	10:20: 5.6	5.82	-76.03	65	1.2	0.2	219	10	CIUDAD BOLIVAR (ANTIOQUIA)
300	Jul 8 2016	12:31:51.8	4.92	-73.14	Sup	1.4	0.7	122	16	SAN LUIS DE GACENO (BOYACA)
301	Jul 8 2016	13:00:28.4	7.56	-75.29	48	1.8	0.2	151	9	CACERES (ANTIOQUIA)
302	Jul 8 2016	14:08: 5.4	8.31	-73.54	14	1.7	0.4	125	20	AGUACHICA (CESAR)
303	Jul 8 2016	15:14:31.7	6.46	-72.95	164	1.8	0.3	284	11	MOGOTES (SANTANDER)
304	Jul 8 2016	16:31:29.3	4.56	-77.26	Sup	2.1	0.5	160	20	LITORAL DEL SAN JUAN (CHOCO)
305	Jul 8 2016	17:05:54.2	6.28	-77.76	9	2.2	0.3	224	8	O. PACIFICO NORTE
306	Jul 8 2016	17:18:21.7	5.62	-74.46	Sup	3.1	0.8	57	42	YACOPI (CUNDINAMARCA)
307	Jul 8 2016	17:31:23.2	5.03	-76.29	96	1.5	0.3	196	14	SAN JOSE DEL PALMAR (CHOCO)
308	Jul 8 2016	18:16: 1.5	5.95	-77.24	Sup	1.6	0.4	191	10	NUQUI (CHOCO)
309	Jul 8 2016	18:26:35.9	6.81	-73.15	147	2.7	0.6	135	25	LOS SANTOS (SANTANDER)
310	Jul 8 2016	20:07:41.4	4.29	-76.77	Sup	1.7	0.4	156	10	SIPI (CHOCO)
311	Jul 8 2016	20:34:15.8	6.77	-73.21	146	1.5	0.2	143	10	ZAPATOCA (SANTANDER)
312	Jul 8 2016	22:02:17.6	7.22	-76.41	18	2.0	0.5	255	8	MUTATA (ANTIOQUIA)
313	Jul 9 2016	00:17:20.9	6.84	-73.14	142	2.8	0.6	111	52	LOS SANTOS (SANTANDER)
314	Jul 9 2016	00:31:29.3	6.73	-73.16	140	1.6	0.2	230	10	VILLANUEVA (SANTANDER)
315	Jul 9 2016	00:44:33.8	6.67	-73.14	151	1.3	0.2	228	7	VILLANUEVA (SANTANDER)
316	Jul 9 2016	01:17:18.2	6.81	-73.12	140	1.7	0.4	241	15	LOS SANTOS (SANTANDER)
317	Jul 9 2016	01:44: 9.1	6.87	-73.04	143	1.3	0.2	253	10	PIEDECUUESTA (SANTANDER)
318	Jul 9 2016	02:16:45.9	6.29	-73.52	109	0.8	0.3	152	10	CONTRATACION (SANTANDER)
319	Jul 9 2016	02:18: 7.3	6.25	-73.18	150	1.4	0.4	163	11	CHARALA (SANTANDER)
320	Jul 9 2016	02:23:23.2	6.79	-73.15	143	1.9	0.4	236	17	LOS SANTOS (SANTANDER)
321	Jul 9 2016	02:24:20.8	7.17	-76.02	Sup	2.1	0.5	172	16	PEQUE (ANTIOQUIA)
322	Jul 9 2016	02:32:33.3	2.43	-75.40	16	1.3	0.6	96	15	ALGECIRAS (HUILA)
323	Jul 9 2016	03:22:59.7	6.82	-73.11	151	1.6	0.4	212	21	LOS SANTOS (SANTANDER)
324	Jul 9 2016	03:48: 6.3	6.87	-73.06	149	1.8	0.5	73	25	PIEDECUUESTA (SANTANDER)
325	Jul 9 2016	04:49:45.0	2.47	-75.49	14	1.3	0.3	97	14	GIGANTE (HUILA)
326	Jul 9 2016	04:53:19.6	6.79	-73.15	151	1.5	0.3	208	16	LOS SANTOS (SANTANDER)
327	Jul 9 2016	05:02:23.0	6.59	-73.72	59	0.7	0.2	88	12	EL CARMEN (SANTANDER)
328	Jul 9 2016	06:00:39.3	6.80	-73.16	148	1.4	0.2	133	14	LOS SANTOS (SANTANDER)
329	Jul 9 2016	06:14: 4.0	4.36	-76.55	91	1.7	0.5	73	20	TRUJILLO (VALLE)
330	Jul 9 2016	07:10:28.5	6.79	-73.14	141	2.8	0.4	66	58	LOS SANTOS (SANTANDER)
331	Jul 9 2016	07:24: 9.7	7.02	-76.68	Sup	2.3	0.4	73	37	MURINDO (ANTIOQUIA)
332	Jul 9 2016	08:13:22.1	9.76	-74.60	45	2.1	0.3	131	22	PLATO (MAGDALENA)
333	Jul 9 2016	08:52:14.0	6.81	-73.15	143	2.2	0.4	72	37	LOS SANTOS (SANTANDER)
334	Jul 9 2016	09:02: 4.5	6.78	-73.13	133	1.6	0.3	237	12	LOS SANTOS (SANTANDER)
335	Jul 9 2016	09:09:18.9	6.54	-73.23	145	1.1	0.4	224	10	CABRERA (SANTANDER)
336	Jul 9 2016	12:19:36.0	8.72	-76.99	28	2.6	0.7	138	26	MAR CARIBE
337	Jul 9 2016	12:55:51.2	6.54	-74.10	15	3.6	0.4	47	0	PUERTO PARRA (SANTANDER)
338	<u>Jul 9 2016</u>	<u>12:55:51.2</u>	<u>6.54</u>	<u>-74.10</u>	<u>15</u>	<u>3.6</u>	<u>0.4</u>	<u>47</u>	<u>74</u>	<u>PUERTO PARRA (SANTANDER)</u>
339	Jul 9 2016	18:36:39.2	1.81	-77.37	19	1.7	0.3	216	7	EL ROSARIO (NARINO)
340	Jul 9 2016	19:54:39.2	6.91	-73.12	141	1.8	0.2	212	16	PIEDECUUESTA (SANTANDER)
341	Jul 9 2016	20:30:25.1	6.56	-74.14	29	1.7	0.4	126	11	PUERTO PARRA (SANTANDER)
342	Jul 9 2016	21:22: 7.7	3.82	-74.89	Sup	2.3	0.7	102	43	PURIFICACION (TOLIMA)
343	Jul 9 2016	21:24:39.8	6.43	-73.58	112	1.6	0.4	140	10	SANTA HELENA DEL OPO (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
344	Jul 9 2016	21:46:46.7	6.80	-73.11	142	2.0	0.3	247	12	LOS SANTOS (SANTANDER)
345	Jul 10 2016	01:09:16.8	6.69	-73.21	156	1.5	0.3	221	9	VILLANUEVA (SANTANDER)
346	Jul 10 2016	01:23:57.1	6.74	-73.19	145	1.7	0.5	227	9	VILLANUEVA (SANTANDER)
347	Jul 10 2016	01:54:32.2	6.83	-73.15	138	1.9	0.5	244	17	LOS SANTOS (SANTANDER)
348	Jul 10 2016	02:01:36.2	5.78	-73.83	111	1.3	0.3	271	10	ALBANIA (SANTANDER)
349	Jul 10 2016	02:17: 8.4	6.79	-73.14	148	2.1	0.5	120	31	LOS SANTOS (SANTANDER)
350	Jul 10 2016	02:35: 3.1	4.92	-76.19	104	1.2	0.1	120	6	SAN JOSE DEL PALMAR (CHOCO)
351	Jul 10 2016	03:02: 4.5	6.35	-78.41	32	2.6	0.8	155	36	O. PACIFICO NORTE
352	Jul 10 2016	03:22:51.8	7.23	-72.08	Sup	1.8	0.6	297	13	FRONTERA CON VENEZUELA
353	Jul 10 2016	03:41:16.2	6.95	-73.15	128	1.6	0.5	257	13	PIEDECUENTA (SANTANDER)
354	Jul 10 2016	03:48:25.0	6.72	-73.15	150	1.3	0.4	249	8	JORDAN (SANTANDER)
355	Jul 10 2016	06:01:58.7	7.30	-71.95	10	2.1	0.3	256	14	FRONTERA CON VENEZUELA
356	Jul 10 2016	06:15:27.4	5.22	-75.94	Sup	1.4	0.4	156	14	BELEN DE UMBRIA (RISARALDA)
357	Jul 10 2016	06:34:49.4	8.24	-73.52	116	1.8	0.2	156	19	AGUACHICA (CESAR)
358	Jul 10 2016	07:14:23.1	6.95	-73.47	116	2.0	0.5	137	26	SAN VICENTE DE CHUCURI (SANTANDER)
359	Jul 10 2016	07:39: 7.8	3.84	-76.21	141	1.0	0.4	119	8	BUGA (VALLE)
360	Jul 10 2016	07:43:26.4	3.69	-74.11	Sup	2.6	0.5	105	49	LEJANIAS (META)
361	Jul 10 2016	07:58:19.2	6.80	-73.08	149	1.7	0.5	194	24	LOS SANTOS (SANTANDER)
362	Jul 10 2016	08:12:30.7	6.33	-76.75	15	1.5	0.4	228	11	BOJAYA (CHOCO)
363	Jul 10 2016	08:41:34.6	6.81	-73.14	146	2.1	0.4	135	28	LOS SANTOS (SANTANDER)
364	Jul 10 2016	08:58:36.0	7.97	-71.89	12	2.0	0.5	153	12	FRONTERA CON VENEZUELA
365	Jul 10 2016	09:01:40.4	6.77	-73.14	135	1.5	0.4	276	13	LOS SANTOS (SANTANDER)
366	Jul 10 2016	09:08:50.1	10.76	-73.71	20	2.1	0.3	181	16	PUEBLO BELLO (CESAR)
367	Jul 10 2016	09:10:51.8	7.13	-76.21	Sup	1.8	0.4	226	17	DABEIBA (ANTIOQUIA)
368	Jul 10 2016	10:10:10.0	7.17	-73.06	157	1.3	0.1	272	8	BUCARAMANGA (SANTANDER)
369	Jul 10 2016	10:59:23.0	4.86	-76.15	118	1.6	0.5	116	20	EL CAIRO (VALLE)
370	Jul 10 2016	11:10:57.3	4.20	-75.53	Sup	0.7	0.3	128	8	RONCESVALLES (TOLIMA)
371	Jul 10 2016	11:52:44.1	6.74	-73.19	151	1.5	0.3	228	12	VILLANUEVA (SANTANDER)
372	Jul 10 2016	12:21: 1.8	6.26	-73.80	111	0.9	0.3	176	7	LANDAZURI (SANTANDER)
373	Jul 10 2016	13:33:57.5	3.87	-76.32	117	1.7	0.2	153	10	BUGA (VALLE)
374	Jul 10 2016	14:14:49.3	6.80	-73.15	146	1.8	0.3	237	18	LOS SANTOS (SANTANDER)
375	Jul 10 2016	14:38: 1.3	6.72	-73.21	143	1.1	0.1	217	8	VILLANUEVA (SANTANDER)
376	Jul 10 2016	14:42:20.5	6.77	-73.16	147	1.5	0.4	234	14	LOS SANTOS (SANTANDER)
377	Jul 10 2016	14:54: 0.6	6.80	-73.14	138	2.5	0.5	108	34	LOS SANTOS (SANTANDER)
378	Jul 10 2016	15:36:34.7	6.73	-73.20	150	1.7	0.3	224	10	VILLANUEVA (SANTANDER)
379	Jul 10 2016	16:16:16.0	6.72	-73.18	147	1.5	0.5	228	10	VILLANUEVA (SANTANDER)
380	Jul 10 2016	16:17:36.1	6.79	-73.13	150	1.9	0.4	138	17	LOS SANTOS (SANTANDER)
381	Jul 10 2016	17:45: 1.3	6.78	-73.13	143	2.6	0.4	98	37	LOS SANTOS (SANTANDER)
382	Jul 10 2016	17:50:37.7	6.70	-73.18	146	1.6	0.4	225	8	VILLANUEVA (SANTANDER)
383	Jul 10 2016	19:04:54.6	2.16	-76.06	Sup	1.4	0.4	158	9	LA ARGENTINA (HUILA)
384	Jul 10 2016	19:21:50.8	6.80	-73.12	147	2.8	0.5	72	41	LOS SANTOS (SANTANDER)
385	Jul 10 2016	20:12:43.4	5.69	-75.86	Sup	1.2	0.4	112	12	ANDES (ANTIOQUIA)
386	Jul 10 2016	20:15:53.8	6.76	-73.15	145	1.5	0.4	234	10	LOS SANTOS (SANTANDER)
387	Jul 10 2016	20:46:13.5	6.80	-73.22	144	1.3	0.1	271	8	ZAPATOCA (SANTANDER)
388	Jul 10 2016	21:14:55.3	6.31	-76.81	Sup	2.1	0.6	125	20	BOJAYA (CHOCO)
389	Jul 10 2016	21:58:54.6	6.75	-73.16	146	1.6	0.5	231	9	LOS SANTOS (SANTANDER)
390	Jul 10 2016	23:05:29.2	5.96	-72.67	Sup	1.4	0.5	202	13	SOCHA (BOYACA)
391	Jul 11 2016	00:09:37.0	0.53	-77.32	7	2.2	0.5	150	17	POTOSI (NARINO)
392	Jul 11 2016	00:50:39.2	3.72	-76.84	105	3.7	0.6	96	0	DAGUA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
393	Jul 11 2016	00:50:39.2	3.72	-76.84	105	3.7	0.6	96	67	DAGUA (VALLE)
394	Jul 11 2016	01:20:23.2	6.84	-73.12	141	2.0	0.6	212	24	LOS SANTOS (SANTANDER)
395	Jul 11 2016	02:30:18.9	6.49	-73.56	20	2.3	0.5	128	27	SANTA HELENA DEL OPOON (SANTANDER)
396	Jul 11 2016	03:10: 6.3	6.50	-73.36	128	1.3	0.3	94	12	SIMACOTA (SANTANDER)
397	Jul 11 2016	03:40:16.6	6.77	-73.14	147	1.2	0.3	235	10	LOS SANTOS (SANTANDER)
398	Jul 11 2016	03:57:38.0	6.85	-73.17	147	1.3	0.3	278	8	ZAPATOCA (SANTANDER)
399	Jul 11 2016	04:54:44.3	3.16	-73.51	Sup	1.3	0.4	207	9	PUERTO LLERAS (META)
400	Jul 11 2016	05:06:54.5	7.07	-76.21	Sup	1.4	0.3	235	10	DABEIBA (ANTIOQUIA)
401	Jul 11 2016	05:11:28.4	6.92	-73.10	130	2.0	0.4	214	22	PIEDECUUESTA (SANTANDER)
402	Jul 11 2016	05:33:58.4	7.08	-76.14	Sup	2.2	0.5	229	16	DABEIBA (ANTIOQUIA)
403	Jul 11 2016	05:37:55.3	6.84	-73.15	142	2.4	0.5	245	30	LOS SANTOS (SANTANDER)
404	Jul 11 2016	05:46:48.8	7.10	-76.27	Sup	1.6	0.5	240	11	DABEIBA (ANTIOQUIA)
405	Jul 11 2016	05:50:45.6	6.75	-73.18	146	1.5	0.4	229	12	VILLANUEVA (SANTANDER)
406	Jul 11 2016	06:35:16.1	7.08	-76.19	Sup	1.2	0.4	215	11	DABEIBA (ANTIOQUIA)
407	Jul 11 2016	06:56:16.2	6.81	-73.16	143	1.6	0.3	242	12	LOS SANTOS (SANTANDER)
408	Jul 11 2016	07:32: 4.0	2.03	-75.93	Sup	1.0	0.2	155	8	ELIAS (HUILA)
409	Jul 11 2016	07:53:26.2	6.91	-76.19	Sup	1.2	0.3	181	10	URAMITA (ANTIOQUIA)
410	Jul 11 2016	08:30: 5.4	5.88	-72.61	Sup	1.1	0.6	205	12	SOCHA (BOYACA)
411	Jul 11 2016	09:11:38.4	6.81	-73.17	147	1.5	0.2	243	8	LOS SANTOS (SANTANDER)
412	Jul 11 2016	09:15:40.0	7.60	-74.80	40	2.9	0.7	175	36	EL BAGRE (ANTIOQUIA)
413	Jul 11 2016	09:21: 2.0	2.42	-75.60	15	1.5	0.4	80	13	GIGANTE (HUILA)
414	Jul 11 2016	09:52:23.5	4.15	-76.87	42	1.3	0.1	145	8	BUENAVENTURA (VALLE)
415	Jul 11 2016	10:58: 3.1	6.78	-73.16	150	1.9	0.3	135	17	LOS SANTOS (SANTANDER)
416	Jul 11 2016	11:23:34.1	6.81	-73.14	151	3.6	0.6	71	69	LOS SANTOS (SANTANDER)
417	Jul 11 2016	11:39:18.1	6.82	-76.80	Sup	1.8	0.5	276	14	MURINDO (ANTIOQUIA)
418	Jul 11 2016	12:15:47.5	2.36	-75.55	Sup	2.4	0.5	65	34	GIGANTE (HUILA)
419	Jul 11 2016	12:41:48.6	4.76	-76.19	94	1.8	0.5	138	12	EL CAIRO (VALLE)
420	Jul 11 2016	13:00:36.5	6.78	-73.11	140	1.6	0.3	142	9	LOS SANTOS (SANTANDER)
421	Jul 11 2016	14:21:13.1	4.11	-76.69	62	1.7	0.3	277	10	CALIMA (VALLE)
422	Jul 11 2016	15:25: 3.3	6.81	-73.12	150	3.6	0.5	54	70	LOS SANTOS (SANTANDER)
423	Jul 11 2016	16:40:40.6	6.81	-73.13	142	2.0	0.3	138	18	LOS SANTOS (SANTANDER)
424	Jul 11 2016	17:58: 1.3	6.82	-73.04	141	1.5	0.1	250	7	LOS SANTOS (SANTANDER)
425	Jul 11 2016	18:05:21.6	4.47	-75.80	23	1.3	0.3	137	8	LA TEBAIDA (QUINDIO)
426	Jul 11 2016	18:07:40.5	6.80	-73.10	144	2.2	0.3	242	12	LOS SANTOS (SANTANDER)
427	Jul 11 2016	18:48:17.6	6.82	-73.13	148	2.2	0.2	246	14	LOS SANTOS (SANTANDER)
428	Jul 11 2016	19:43:54.1	5.41	-77.88	36	1.8	0.3	304	8	O. PACIFICO CENTRO
429	Jul 11 2016	19:48: 4.5	6.77	-73.13	141	3.5	0.7	73	35	LOS SANTOS (SANTANDER)
430	Jul 11 2016	20:03:23.2	6.92	-73.28	118	2.2	0.3	229	22	BETULIA (SANTANDER)
431	Jul 11 2016	20:15:34.8	6.64	-73.33	133	1.9	0.3	149	12	GALAN (SANTANDER)
432	Jul 11 2016	20:39:56.6	6.87	-73.28	124	2.4	0.5	113	27	BETULIA (SANTANDER)
433	Jul 11 2016	21:25:43.2	6.72	-73.20	148	1.8	0.4	224	10	VILLANUEVA (SANTANDER)
434	Jul 11 2016	21:32:55.8	6.79	-73.12	142	2.7	0.4	100	44	LOS SANTOS (SANTANDER)
435	Jul 11 2016	22:11:48.9	6.82	-73.16	152	3.1	0.4	69	51	LOS SANTOS (SANTANDER)
436	Jul 11 2016	22:34: 3.6	5.59	-77.61	22	1.9	0.4	283	12	O. PACIFICO CENTRO
437	Jul 12 2016	01:03: 8.1	7.04	-76.65	Sup	2.3	0.4	95	36	MURINDO (ANTIOQUIA)
438	Jul 12 2016	01:17:31.5	6.77	-73.13	152	1.8	0.4	237	18	LOS SANTOS (SANTANDER)
439	Jul 12 2016	01:50:36.1	4.79	-75.91	71	1.2	0.2	126	8	CARTAGO (VALLE)
440	Jul 12 2016	01:59:25.9	6.96	-73.18	119	1.4	0.4	247	8	GIRON (SANTANDER)
441	Jul 12 2016	02:08: 1.2	3.96	-76.15	141	1.2	0.4	109	8	SAN PEDRO (VALLE)
442	Jul 12 2016	02:33:53.9	5.30	-73.79	152	1.5	0.4	164	14	UBATE (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
443	Jul 12 2016	03:19:59.4	6.79	-73.10	144	1.4	0.5	241	12	LOS SANTOS (SANTANDER)
444	Jul 12 2016	03:42:55.1	4.36	-75.12	18	0.9	0.3	121	8	IBAGUE (TOLIMA)
445	Jul 12 2016	04:02:26.4	6.79	-73.14	149	1.4	0.5	251	10	LOS SANTOS (SANTANDER)
446	Jul 12 2016	04:53:15.4	7.38	-73.31	106	1.1	0.7	256	8	EL PLAYON (SANTANDER)
447	Jul 12 2016	05:01: 3.0	6.04	-74.02	85	0.9	0.2	140	8	LA BELLEZA (SANTANDER)
448	Jul 12 2016	05:10:45.2	6.79	-73.13	146	1.7	0.4	238	16	LOS SANTOS (SANTANDER)
449	Jul 12 2016	05:59:52.2	4.70	-76.13	40	0.8	0.5	128	8	ARGELIA (VALLE)
450	Jul 12 2016	07:09:47.7	6.43	-73.53	108	1.0	0.3	212	8	SANTA HELENA DEL OPOON (SANTANDER)
451	Jul 12 2016	07:19:30.9	6.74	-73.10	146	1.5	0.4	237	12	JORDAN (SANTANDER)
452	Jul 12 2016	07:20:22.0	8.51	-74.03	8	1.3	0.4	273	9	ARENAL (BOLIVAR)
453	Jul 12 2016	07:45: 1.1	6.76	-73.16	149	1.6	0.5	233	12	LOS SANTOS (SANTANDER)
454	Jul 12 2016	07:58:56.5	6.81	-73.14	148	1.7	0.3	244	12	LOS SANTOS (SANTANDER)
455	Jul 12 2016	08:15:47.7	6.76	-73.11	145	1.4	0.4	238	10	LOS SANTOS (SANTANDER)
456	Jul 12 2016	09:19:47.0	6.83	-73.15	142	1.1	0.3	244	10	LOS SANTOS (SANTANDER)
457	Jul 12 2016	09:24:22.8	3.51	-76.49	136	2.3	0.4	170	20	YUMBO (VALLE)
458	Jul 12 2016	09:53:48.1	6.78	-73.14	148	1.7	0.5	237	14	LOS SANTOS (SANTANDER)
459	Jul 12 2016	10:09: 1.7	10.02	-73.21	9	2.3	0.4	173	16	AGUSTIN CODAZZI (CESAR)
460	Jul 12 2016	10:46:52.0	6.83	-73.15	151	2.8	0.5	69	50	LOS SANTOS (SANTANDER)
461	Jul 12 2016	11:21:31.5	4.46	-75.69	Sup	1.4	0.4	101	11	ARMENIA (QUINDIO)
462	Jul 12 2016	12:25: 0.6	6.67	-73.15	146	1.6	0.3	227	9	VILLANUEVA (SANTANDER)
463	Jul 12 2016	12:44:38.7	6.82	-73.13	145	2.3	0.5	91	30	LOS SANTOS (SANTANDER)
464	Jul 12 2016	12:44:38.7	6.82	-73.13	145	2.3	0.5	91	30	LOS SANTOS (SANTANDER)
465	Jul 12 2016	12:47:21.4	6.79	-73.13	147	1.5	0.5	120	11	LOS SANTOS (SANTANDER)
466	Jul 12 2016	14:18: 1.6	6.09	-73.68	114	1.9	0.5	85	20	CHIPATA (SANTANDER)
467	Jul 12 2016	14:45:29.8	6.84	-73.35	124	2.9	0.4	55	29	SAN VICENTE DE CHUCURI (SANTANDER)
468	Jul 12 2016	14:53: 6.5	6.73	-71.69	22	2.1	0.4	161	8	FORTUL (ARAUCA)
469	Jul 12 2016	15:21: 0.2	5.11	-78.11	39	2.3	0.2	308	12	O. PACIFICO CENTRO
470	Jul 12 2016	15:37:18.8	6.82	-73.15	148	1.9	0.3	244	12	LOS SANTOS (SANTANDER)
471	Jul 12 2016	16:51:33.9	7.07	-74.75	10	1.5	0.6	165	8	SEGOVIA (ANTIOQUIA)
472	Jul 12 2016	18:32:13.6	6.83	-73.16	146	2.0	0.3	243	12	LOS SANTOS (SANTANDER)
473	Jul 12 2016	20:18:34.3	6.79	-76.61	Sup	2.9	0.7	139	44	MURINDO (ANTIOQUIA)
474	Jul 12 2016	21:12:21.0	5.76	-74.07	12	0.9	0.5	108	8	SAN PABLO DE BORBUR (BOYACA)
475	Jul 12 2016	21:25:37.4	6.79	-73.15	153	2.0	0.4	136	21	LOS SANTOS (SANTANDER)
476	Jul 12 2016	23:07:47.0	6.82	-73.36	123	1.3	0.3	192	8	SAN VICENTE DE CHUCURI (SANTANDER)
477	Jul 12 2016	23:19: 3.4	6.61	-73.63	97	2.1	0.5	61	31	EL CARMEN (SANTANDER)
478	Jul 12 2016	23:32: 8.2	6.79	-73.09	143	2.3	0.4	123	28	LOS SANTOS (SANTANDER)
479	Jul 12 2016	23:49: 1.7	6.79	-73.12	146	3.6	0.5	54	0	LOS SANTOS (SANTANDER)
480	Jul 12 2016	23:49: 1.7	6.79	-73.12	146	3.6	0.5	54	70	LOS SANTOS (SANTANDER)
481	Jul 13 2016	00:11:28.0	4.06	-76.20	132	1.4	0.5	115	12	TULUA (VALLE)
482	Jul 13 2016	01:40:47.5	6.79	-73.08	153	2.2	0.5	104	43	LOS SANTOS (SANTANDER)
<u>483</u>	<u>Jul 13 2016</u>	<u>02:15:44.2</u>	<u>5.27</u>	<u>-73.75</u>	<u>151</u>	<u>4.1</u>	<u>0.5</u>	<u>64</u>	<u>0</u>	<u>CUCUNUBA (CUNDINAMARCA)</u>
484	Jul 13 2016	02:15:44.2	5.27	-73.75	151	4.1	0.5	64	81	CUCUNUBA (CUNDINAMARCA)
485	Jul 13 2016	02:28:52.1	6.76	-73.17	142	1.7	0.3	231	14	LOS SANTOS (SANTANDER)
486	Jul 13 2016	03:15: 5.4	6.82	-73.10	147	1.9	0.5	122	26	LOS SANTOS (SANTANDER)
487	Jul 13 2016	03:56:11.8	6.78	-73.11	150	1.1	0.2	239	9	LOS SANTOS (SANTANDER)
488	Jul 13 2016	04:29:58.2	2.95	-74.00	Sup	2.2	0.4	211	12	VISTAHERMOSA (META)
489	Jul 13 2016	04:43:56.7	6.82	-73.13	150	2.6	0.5	53	45	LOS SANTOS (SANTANDER)
490	Jul 13 2016	05:13:39.9	5.05	-76.62	65	1.5	0.4	232	12	CONDOTO (CHOCO)
491	Jul 13 2016	06:20:18.6	6.81	-73.14	151	1.6	0.4	239	11	LOS SANTOS (SANTANDER)
492	Jul 13 2016	06:59:42.7	6.77	-73.29	151	1.3	0.5	267	7	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
493	Jul 13 2016	07:22:58.1	6.80	-73.13	148	2.1	0.4	102	32	LOS SANTOS (SANTANDER)
494	Jul 13 2016	07:35:44.2	7.67	-77.49	Sup	2.3	0.2	92	11	RIOSUCIO (CHOCO)
495	Jul 13 2016	08:49:41.8	6.77	-73.16	147	1.7	0.3	233	16	LOS SANTOS (SANTANDER)
496	Jul 13 2016	09:04:53.6	6.74	-73.14	154	1.5	0.4	233	9	LOS SANTOS (SANTANDER)
497	Jul 13 2016	09:14:31.5	7.29	-74.00	12	1.2	0.6	199	9	PUERTO WILCHES (SANTANDER)
498	Jul 13 2016	09:53:44.0	6.79	-73.16	144	1.5	0.4	234	12	LOS SANTOS (SANTANDER)
499	Jul 13 2016	10:02:24.7	6.77	-73.07	140	1.2	0.3	280	8	LOS SANTOS (SANTANDER)
500	Jul 13 2016	10:18:14.3	6.80	-73.15	147	1.9	0.4	237	18	LOS SANTOS (SANTANDER)
501	Jul 13 2016	10:22:50.5	6.26	-75.41	128	1.4	0.6	162	7	GUARNE (ANTIOQUIA)
502	Jul 13 2016	10:33:26.3	6.79	-73.14	141	4.3	0.5	72	0	LOS SANTOS (SANTANDER)
503	Jul 13 2016	10:33:26.3	6.79	-73.14	141	4.3	0.5	72	68	LOS SANTOS (SANTANDER)
504	Jul 13 2016	12:45:52.5	4.30	-75.96	Sup	1.4	0.3	111	8	SEVILLA (VALLE)
505	Jul 13 2016	13:13:33.1	5.90	-74.06	95	1.3	0.1	213	6	LA BELLEZA (SANTANDER)
506	Jul 13 2016	15:55:56.5	6.31	-73.68	115	1.1	0.1	135	7	SANTA HELENA DEL OPON (SANTANDER)
507	Jul 13 2016	17:03:10.6	6.74	-73.12	143	1.9	0.3	141	16	LOS SANTOS (SANTANDER)
508	Jul 13 2016	18:54:39.2	6.77	-73.17	145	1.8	0.2	134	11	LOS SANTOS (SANTANDER)
509	Jul 13 2016	18:56:15.8	6.80	-73.16	144	1.5	0.3	134	9	LOS SANTOS (SANTANDER)
510	Jul 13 2016	18:56:15.8	6.80	-73.16	144	1.5	0.3	134	9	LOS SANTOS (SANTANDER)
511	Jul 13 2016	20:21:40.8	6.76	-73.15	148	1.5	0.3	137	10	LOS SANTOS (SANTANDER)
512	Jul 13 2016	21:10:13.8	6.92	-75.94	Sup	1.9	0.4	202	8	PEQUE (ANTIOQUIA)
513	Jul 13 2016	21:11:17.4	6.81	-73.14	151	2.4	0.5	136	33	LOS SANTOS (SANTANDER)
514	Jul 13 2016	21:49:46.2	6.07	-73.84	117	1.3	0.3	140	8	EL PENON (SANTANDER)
515	Jul 13 2016	22:04: 5.7	6.29	-73.42	133	1.5	0.3	104	14	CONTRATACION (SANTANDER)
516	Jul 13 2016	22:22: 6.2	6.56	-73.77	89	1.4	0.2	136	7	SANTA HELENA DEL OPON (SANTANDER)
517	Jul 13 2016	22:29:49.4	6.83	-73.29	130	1.7	0.4	106	14	ZAPATOCA (SANTANDER)
518	Jul 13 2016	23:38:27.9	6.79	-73.15	149	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
519	Jul 14 2016	00:02:23.5	6.68	-73.21	145	1.2	0.5	220	7	VILLANUEVA (SANTANDER)
520	Jul 14 2016	00:04:50.4	6.63	-73.67	101	1.2	0.5	99	9	EL CARMEN (SANTANDER)
521	Jul 14 2016	00:08:16.8	6.76	-73.17	155	1.0	0.2	232	7	LOS SANTOS (SANTANDER)
522	Jul 14 2016	00:23:26.6	6.88	-73.24	120	2.0	0.4	117	24	BETULIA (SANTANDER)
523	Jul 14 2016	01:01: 0.9	6.78	-73.13	145	1.5	0.5	139	11	LOS SANTOS (SANTANDER)
524	Jul 14 2016	01:17:59.8	7.67	-73.25	131	1.2	0.2	217	7	LA ESPERANZA (N.SANTANDER)
525	Jul 14 2016	03:09:39.4	6.78	-73.13	148	3.1	0.4	54	63	LOS SANTOS (SANTANDER)
526	Jul 14 2016	04:05: 4.1	1.98	-75.81	Sup	1.5	0.7	144	8	SUAZA (HUILA)
527	Jul 14 2016	04:35:34.5	6.80	-73.13	150	2.0	0.4	138	28	LOS SANTOS (SANTANDER)
528	Jul 14 2016	05:35:36.9	6.35	-73.48	120	1.3	0.5	87	13	CONTRATACION (SANTANDER)
529	Jul 14 2016	05:43:35.8	2.92	-74.89	Sup	1.3	0.5	126	20	BARAYA (HUILA)
530	Jul 14 2016	06:18:30.0	6.76	-73.21	156	1.2	0.4	225	10	ZAPATOCA (SANTANDER)
531	Jul 14 2016	06:31:54.4	6.85	-73.13	143	2.4	0.6	70	46	LOS SANTOS (SANTANDER)
532	Jul 14 2016	06:40:41.4	7.07	-76.21	Sup	1.1	0.4	262	7	DABEIBA (ANTIOQUIA)
533	Jul 14 2016	07:00:20.2	6.10	-73.76	115	1.2	0.5	164	9	EL PENON (SANTANDER)
534	Jul 14 2016	07:16:11.2	7.00	-76.29	Sup	1.0	0.3	240	7	DABEIBA (ANTIOQUIA)
535	Jul 14 2016	07:24:49.2	6.70	-75.58	Sup	1.8	0.5	156	23	BELMIRA (ANTIOQUIA)
536	Jul 14 2016	07:41:19.9	6.80	-73.13	145	2.1	0.4	120	34	LOS SANTOS (SANTANDER)
537	Jul 14 2016	07:58:49.6	6.76	-73.19	150	1.2	0.3	229	8	LOS SANTOS (SANTANDER)
538	Jul 14 2016	08:10:21.1	4.37	-76.23	106	1.3	0.4	158	10	BOLIVAR (VALLE)
539	Jul 14 2016	08:39: 9.7	7.21	-76.13	Sup	1.0	0.4	207	10	DABEIBA (ANTIOQUIA)
540	Jul 14 2016	09:11:43.3	6.79	-73.10	134	1.2	0.5	247	10	LOS SANTOS (SANTANDER)
541	Jul 14 2016	10:28: 8.7	7.33	-78.15	24	2.3	0.5	158	18	O. PACIFICO PANAMA
542	Jul 14 2016	10:45:10.1	6.80	-73.14	148	2.4	0.4	119	34	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
543	Jul 14 2016	10:47:35.2	11.44	-72.26	7	3.7	0.4	144	55	MAICAO (LA GUAJIRA)
544	Jul 14 2016	12:27:28.6	4.14	-76.73	54	1.6	0.1	278	8	CALIMA (VALLE)
545	Jul 14 2016	12:36:51.3	2.12	-76.04	Sup	1.6	0.8	121	13	LA ARGENTINA (HUILA)
546	Jul 14 2016	13:29:35.7	5.27	-73.74	149	2.1	0.5	132	24	CUCUNUBA (CUNDINAMARCA)
547	Jul 14 2016	15:16:16.9	6.78	-73.91	21	2.0	0.3	109	12	PUERTO PARRA (SANTANDER)
548	Jul 14 2016	15:27: 7.9	5.63	-74.02	116	2.9	0.4	53	46	SAN PABLO DE BORBUR (BOYACA)
549	Jul 14 2016	17:36:36.9	6.79	-73.14	144	3.0	0.4	72	44	LOS SANTOS (SANTANDER)
550	Jul 14 2016	17:58:46.6	6.80	-73.18	141	1.7	0.4	144	13	ZAPATOCA (SANTANDER)
551	Jul 14 2016	18:49:17.8	6.82	-73.18	145	2.0	0.3	131	24	ZAPATOCA (SANTANDER)
552	Jul 14 2016	20:23:46.4	11.24	-73.94	Sup	2.4	0.3	183	10	PUEBLO BELLO (CESAR)
553	Jul 14 2016	20:29:49.1	6.85	-73.04	150	2.1	0.4	143	34	LOS SANTOS (SANTANDER)
554	Jul 14 2016	20:32:48.8	6.75	-73.06	141	2.2	0.5	128	36	LOS SANTOS (SANTANDER)
555	Jul 14 2016	20:44:35.1	5.67	-73.99	111	1.5	0.5	128	17	PAUNA (BOYACA)
556	Jul 14 2016	21:34:35.3	5.90	-74.88	Sup	1.4	0.4	178	11	SAN LUIS (ANTIOQUIA)
557	Jul 14 2016	22:38:52.5	3.78	-75.92	19	1.1	0.3	117	10	GINEBRA (VALLE)
558	Jul 14 2016	22:43:36.9	6.81	-73.17	145	1.3	0.2	144	8	LOS SANTOS (SANTANDER)
559	Jul 14 2016	23:34:58.5	6.79	-73.15	141	1.5	0.3	136	14	LOS SANTOS (SANTANDER)
560	Jul 15 2016	00:53:18.6	7.58	-73.53	106	1.4	0.4	142	14	SABANA DE TORRES (SANTANDER)
561	Jul 15 2016	01:42: 4.1	2.93	-76.09	Sup	1.3	0.1	110	10	TORIBIO (CAUCA)
562	Jul 15 2016	01:59:42.0	6.79	-73.16	140	1.8	0.3	134	29	LOS SANTOS (SANTANDER)
563	Jul 15 2016	02:04:37.3	3.48	-74.30	19	1.1	0.4	134	9	URIBE (META)
564	Jul 15 2016	02:14:50.1	7.08	-71.90	16	2.0	0.3	129	18	FRONTERA CON VENEZUELA
565	Jul 15 2016	02:51:31.3	3.64	-74.08	Sup	1.4	0.5	151	14	LEJANIAS (META)
566	Jul 15 2016	03:07:22.7	2.92	-78.06	8	1.8	0.3	149	10	O. PACIFICO SUR
567	Jul 15 2016	03:07:23.2	2.94	-78.01	Sup	1.6	0.3	260	10	O. PACIFICO SUR
568	Jul 15 2016	03:12:20.3	2.91	-78.04	Sup	2.3	0.3	149	22	O. PACIFICO SUR
569	Jul 15 2016	03:35: 2.2	2.94	-78.05	8	1.6	0.2	168	8	O. PACIFICO SUR
570	Jul 15 2016	03:41:58.6	2.91	-78.05	6	1.8	0.5	154	12	O. PACIFICO SUR
571	Jul 15 2016	04:23:27.2	4.31	-75.05	Sup	1.3	0.2	128	14	VALLE DE SAN JUAN (TOLIMA)
572	Jul 15 2016	05:31:54.9	7.20	-73.34	106	1.5	0.4	245	12	LEBRIJA (SANTANDER)
573	Jul 15 2016	06:36:35.0	6.79	-73.14	142	2.2	0.5	137	30	LOS SANTOS (SANTANDER)
574	Jul 15 2016	06:49:59.0	2.94	-78.03	Sup	1.5	0.5	173	10	O. PACIFICO SUR
575	Jul 15 2016	07:00: 8.8	6.77	-73.12	142	1.6	0.3	140	16	LOS SANTOS (SANTANDER)
576	Jul 15 2016	07:39:30.9	6.80	-73.13	155	1.4	0.3	239	13	LOS SANTOS (SANTANDER)
577	Jul 15 2016	07:50:58.5	6.77	-73.11	140	1.1	0.4	142	10	LOS SANTOS (SANTANDER)
578	Jul 15 2016	08:13:34.7	6.81	-73.16	147	2.9	0.5	70	47	LOS SANTOS (SANTANDER)
579	Jul 15 2016	08:25: 8.4	2.78	-74.95	Sup	2.4	0.6	86	42	RIVERA (HUILA)
580	Jul 15 2016	08:35:26.4	6.89	-76.70	Sup	2.1	0.4	136	22	MURINDO (ANTIOQUIA)
581	Jul 15 2016	09:09:11.1	0.01	-77.12	Sup	2.0	0.6	185	10	LA FRONTERA CON ECUADOR
582	Jul 15 2016	10:00:43.4	2.91	-78.04	Sup	2.7	0.5	97	30	GUAPI (CAUCA)
583	Jul 15 2016	10:23:37.3	5.21	-74.51	23	1.3	0.3	149	13	UTICA (CUNDINAMARCA)
584	Jul 15 2016	10:54:55.7	2.47	-75.57	Sup	1.8	0.4	148	14	GIGANTE (HUILA)
585	Jul 15 2016	11:44:59.2	6.60	-74.63	Sup	1.0	0.4	124	9	MACEO (ANTIOQUIA)
586	Jul 15 2016	12:06:25.6	2.48	-75.97	Sup	2.3	0.4	72	23	INZA (CAUCA)
587	Jul 15 2016	15:41:39.2	6.54	-73.57	102	1.6	0.5	96	11	EL CARMEN (SANTANDER)
588	Jul 15 2016	15:44:59.1	6.70	-73.18	153	1.5	0.2	237	8	VILLANUEVA (SANTANDER)
589	Jul 15 2016	15:52:29.3	6.97	-73.14	156	1.3	0.2	250	8	GIRON (SANTANDER)
590	Jul 15 2016	16:30: 2.5	6.78	-73.18	147	1.6	0.3	241	10	LOS SANTOS (SANTANDER)
591	Jul 15 2016	16:52:53.3	6.80	-73.14	148	1.8	0.3	119	14	LOS SANTOS (SANTANDER)
592	Jul 15 2016	17:49: 9.1	3.92	-76.77	23	2.9	0.5	145	41	RESTREPO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
593	Jul 15 2016	18:01:29.8	3.89	-76.36	115	1.5	0.2	179	8	YOTOCO (VALLE)
594	Jul 15 2016	18:12:47.6	2.84	-74.81	8	2.3	0.3	94	18	BARAYA (HUILA)
595	Jul 15 2016	18:42:22.9	6.12	-73.77	84	1.2	0.1	193	8	EL PENON (SANTANDER)
596	Jul 15 2016	19:53: 3.3	3.48	-74.43	22	1.4	0.2	247	7	URIBE (META)
597	Jul 15 2016	20:06:35.8	7.89	-75.15	18	1.6	0.3	230	10	CAUCASIA (ANTIOQUIA)
598	Jul 15 2016	21:00:50.3	6.76	-73.18	151	1.6	0.3	133	15	LOS SANTOS (SANTANDER)
599	Jul 15 2016	21:06:24.4	5.71	-73.77	132	1.2	0.3	103	14	SABOYA (BOYACA)
600	Jul 15 2016	21:52:51.6	6.80	-73.11	148	2.3	0.5	100	34	LOS SANTOS (SANTANDER)
601	Jul 15 2016	22:53:41.9	6.65	-73.25	146	1.2	0.3	178	10	GALAN (SANTANDER)
602	Jul 15 2016	22:57:18.6	3.33	-74.69	Sup	1.7	0.4	107	26	COLOMBIA (HUILA)
603	Jul 15 2016	23:22:28.9	2.70	-75.01	9	1.5	0.3	109	12	RIVERA (HUILA)
604	Jul 15 2016	23:35:55.9	4.38	-76.68	84	1.5	0.2	278	8	SIPI (CHOCO)
605	Jul 16 2016	00:35:12.5	4.98	-76.60	59	2.2	0.4	113	32	NOVITA (CHOCO)
606	Jul 16 2016	00:49:10.5	6.54	-73.56	112	1.1	0.5	97	11	EL CARMEN (SANTANDER)
607	Jul 16 2016	01:00: 1.0	6.77	-73.10	145	2.3	0.3	123	26	LOS SANTOS (SANTANDER)
608	Jul 16 2016	01:38:32.7	6.69	-73.20	152	1.3	0.4	222	7	VILLANUEVA (SANTANDER)
609	Jul 16 2016	01:49:49.3	6.78	-73.14	148	2.8	0.5	66	46	LOS SANTOS (SANTANDER)
610	Jul 16 2016	02:10:12.7	7.22	-74.25	Sup	1.6	0.2	152	16	PUERTO WILCHES (SANTANDER)
611	Jul 16 2016	02:48: 7.0	5.28	-75.43	110	0.9	0.3	92	10	ARANAZU (CALDAS)
612	Jul 16 2016	03:19:37.2	6.31	-73.66	107	1.6	0.4	86	18	SANTA HELENA DEL OPON (SANTANDER)
613	Jul 16 2016	03:21:35.8	11.19	-74.97	70	1.6	0.1	266	8	MAR CARIBE
614	Jul 16 2016	04:01:25.1	6.75	-73.13	148	1.4	0.4	235	13	LOS SANTOS (SANTANDER)
615	Jul 16 2016	05:15:52.8	6.98	-74.45	52	1.9	0.5	88	25	REMEDIOS (ANTIOQUIA)
616	Jul 16 2016	05:18:50.4	6.79	-73.19	151	1.2	0.4	232	7	ZAPATOCA (SANTANDER)
617	Jul 16 2016	05:27:50.3	7.39	-73.17	136	1.3	0.1	267	6	EL PLAYON (SANTANDER)
618	Jul 16 2016	05:57:52.0	6.80	-73.12	142	1.8	0.5	240	15	LOS SANTOS (SANTANDER)
619	Jul 16 2016	06:13:31.1	7.73	-73.22	133	1.2	0.1	276	7	LA ESPERANZA (N.SANTANDER)
620	Jul 16 2016	06:24:34.1	6.78	-73.15	151	1.6	0.4	136	18	LOS SANTOS (SANTANDER)
621	Jul 16 2016	06:42:23.3	4.72	-76.21	101	1.0	0.2	151	8	EL CAIRO (VALLE)
622	Jul 16 2016	06:53:26.4	6.77	-73.14	145	3.0	0.4	98	39	LOS SANTOS (SANTANDER)
623	Jul 16 2016	07:29:28.9	6.79	-73.16	149	1.4	0.1	276	8	LOS SANTOS (SANTANDER)
624	Jul 16 2016	07:57:14.0	6.13	-74.29	23	1.2	0.3	123	10	PUERTO NARE (ANTIOQUIA)
625	Jul 16 2016	08:01: 9.7	6.63	-73.57	110	1.5	0.3	153	14	EL CARMEN (SANTANDER)
626	Jul 16 2016	08:13:59.6	6.80	-73.16	148	2.0	0.4	236	18	LOS SANTOS (SANTANDER)
627	Jul 16 2016	08:15:13.9	5.61	-76.37	Sup	2.4	0.5	145	32	LORO (CHOCO)
628	Jul 16 2016	08:35: 6.4	6.77	-73.17	148	1.4	0.4	134	13	LOS SANTOS (SANTANDER)
629	Jul 16 2016	09:09:15.9	8.39	-74.17	21	1.8	0.5	159	20	TIQUISIO (BOLIVAR)
630	Jul 16 2016	09:24:31.5	6.79	-73.14	144	2.3	0.4	100	31	LOS SANTOS (SANTANDER)
631	Jul 16 2016	09:33: 9.5	11.62	-72.39	Sup	2.5	0.5	200	10	MANAURE BALCON CESAR (CESAR)
632	Jul 16 2016	10:29:45.4	6.77	-73.17	149	1.3	0.3	135	13	LOS SANTOS (SANTANDER)
633	Jul 16 2016	10:43:17.2	6.88	-73.13	145	1.6	0.3	211	20	PIEDRECUESTA (SANTANDER)
634	Jul 16 2016	10:55:36.4	6.89	-73.17	141	1.3	0.3	243	11	BETULIA (SANTANDER)
635	Jul 16 2016	11:19:48.0	6.73	-73.16	147	1.6	0.2	230	9	VILLANUEVA (SANTANDER)
636	Jul 16 2016	11:21:30.3	3.06	-74.70	23	1.0	0.3	152	7	COLOMBIA (HUILA)
637	Jul 16 2016	11:42:46.3	6.40	-73.65	101	1.7	0.6	116	16	SANTA HELENA DEL OPON (SANTANDER)
638	Jul 16 2016	12:22:57.1	4.80	-77.68	24	2.1	0.6	303	11	O. PACIFICO CENTRO
639	Jul 16 2016	13:01: 2.1	2.37	-75.55	Sup	3.1	0.7	64	0	GIGANTE (HUILA)
640	Jul 16 2016	13:01: 2.1	2.37	-75.55	0	3.1	0.7	64	30	GIGANTE (HUILA)
641	Jul 16 2016	13:16:15.9	6.83	-73.16	148	1.6	0.4	132	10	LOS SANTOS (SANTANDER)
642	Jul 16 2016	14:21:28.4	6.81	-71.94	Sup	2.3	0.3	214	19	SARAVENA (ARAUCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
643	Jul 16 2016	15:16:36.7	6.83	-73.14	140	2.0	0.4	135	22	LOS SANTOS (SANTANDER)
644	Jul 16 2016	16:10:13.1	6.83	-73.17	145	1.2	0.4	146	7	ZAPATOCA (SANTANDER)
645	Jul 16 2016	16:14: 9.3	8.32	-74.75	15	1.5	0.5	131	12	SAN JACINTO DEL CAUCA (BOLIVAR)
646	Jul 16 2016	17:07: 5.4	2.26	-75.41	20	1.5	0.2	105	11	GIGANTE (HUILA)
647	Jul 16 2016	17:31: 9.6	6.78	-73.14	145	1.2	0.1	137	7	LOS SANTOS (SANTANDER)
648	Jul 16 2016	19:21:54.5	6.82	-73.11	147	2.3	0.5	72	31	LOS SANTOS (SANTANDER)
649	Jul 16 2016	20:54:43.6	6.79	-73.18	140	1.8	0.3	132	20	LOS SANTOS (SANTANDER)
650	Jul 16 2016	21:02:59.3	6.80	-73.16	137	1.0	0.3	142	8	LOS SANTOS (SANTANDER)
651	Jul 16 2016	21:04:11.7	6.81	-73.12	145	1.3	0.3	139	10	LOS SANTOS (SANTANDER)
652	Jul 16 2016	21:24: 9.6	4.71	-74.84	6	1.9	0.4	88	27	VENADILLO (TOLIMA)
653	Jul 16 2016	21:43:26.8	6.80	-73.15	144	1.3	0.2	135	13	LOS SANTOS (SANTANDER)
654	Jul 16 2016	22:42:57.0	7.52	-75.57	19	3.2	0.7	69	0	TARAZA (ANTIOQUIA)
655	Jul 16 2016	22:42:57.0	7.52	-75.57	19	3.2	0.7	69	56	TARAZA (ANTIOQUIA)
656	Jul 16 2016	23:00:58.2	5.56	-73.87	126	1.8	0.4	104	22	CALDAS (BOYACA)
657	Jul 16 2016	23:51:56.8	7.67	-74.09	75	1.4	0.1	328	7	SAN PABLO (BOLIVAR)
658	Jul 17 2016	00:06:41.1	6.76	-73.15	148	1.4	0.3	137	13	LOS SANTOS (SANTANDER)
659	Jul 17 2016	00:57:11.9	2.37	-75.60	11	2.5	0.5	58	34	GIGANTE (HUILA)
660	Jul 17 2016	01:09:16.9	6.81	-73.15	142	2.5	0.5	135	44	LOS SANTOS (SANTANDER)
661	Jul 17 2016	01:21:40.2	6.67	-73.25	155	1.3	0.4	214	8	BARICHARA (SANTANDER)
662	Jul 17 2016	01:56:14.1	6.80	-73.15	142	2.3	0.4	118	39	LOS SANTOS (SANTANDER)
663	Jul 17 2016	02:14: 0.7	6.76	-73.47	111	1.5	0.5	156	11	EL CARMEN (SANTANDER)
664	Jul 17 2016	02:23:15.7	6.77	-73.12	144	1.3	0.4	237	9	LOS SANTOS (SANTANDER)
665	Jul 17 2016	02:42:43.4	5.70	-73.50	146	1.6	0.5	149	22	GACHANTIVA (BOYACA)
666	Jul 17 2016	04:14:30.9	10.96	-73.75	Sup	1.5	0.3	153	8	PUEBLO BELLO (CESAR)
667	Jul 17 2016	05:16:42.9	6.75	-73.33	120	1.7	0.4	94	21	ZAPATOCA (SANTANDER)
668	Jul 17 2016	05:46:11.6	6.56	-73.51	109	3.7	0.4	53	0	EL CARMEN (SANTANDER)
669	Jul 17 2016	05:46:11.6	6.56	-73.51	109	3.7	0.4	53	64	EL CARMEN (SANTANDER)
670	Jul 17 2016	05:51:48.5	6.81	-73.13	150	1.7	0.4	137	13	LOS SANTOS (SANTANDER)
671	Jul 17 2016	06:01:23.4	4.97	-76.13	108	1.5	0.3	124	12	SAN JOSE DEL PALMAR (CHOCO)
672	Jul 17 2016	06:21:29.9	6.83	-73.11	144	1.7	0.3	139	17	LOS SANTOS (SANTANDER)
673	Jul 17 2016	06:43:10.6	3.85	-76.32	95	1.3	0.4	158	8	YOTOCO (VALLE)
674	Jul 17 2016	07:09:42.6	1.45	-79.66	101	1.6	0.6	278	10	O. PACIFICO ECUADOR
675	Jul 17 2016	08:00: 4.4	6.06	-72.40	Sup	1.9	0.5	185	20	LA SALINA (CASANARE)
676	Jul 17 2016	09:16: 9.5	6.45	-76.68	Sup	1.8	0.4	136	18	VIGIA DEL FUERTE (ANTIOQUIA)
677	Jul 17 2016	10:32:17.9	5.73	-73.86	111	1.3	0.5	202	10	ALBANIA (SANTANDER)
678	Jul 17 2016	10:49:36.1	6.83	-73.16	151	1.6	0.5	132	21	ZAPATOCA (SANTANDER)
679	Jul 17 2016	11:26: 1.1	6.44	-76.89	100	1.6	0.4	153	13	BOJAYA (CHOCO)
680	Jul 17 2016	11:44:35.3	6.78	-73.13	145	2.2	0.5	121	30	LOS SANTOS (SANTANDER)
681	Jul 17 2016	12:21: 2.1	7.43	-77.10	7	2.2	0.4	191	26	RIOSUCIO (CHOCO)
682	Jul 17 2016	13:16:20.3	6.76	-73.12	145	3.0	0.4	73	45	LOS SANTOS (SANTANDER)
683	Jul 17 2016	14:17:53.4	8.31	-73.60	92	2.0	0.5	189	16	AGUACHICA (CESAR)
684	Jul 17 2016	14:19:10.2	1.92	-75.89	Sup	1.9	0.2	130	8	TIMANA (HUILA)
685	Jul 17 2016	15:47:52.5	6.80	-73.11	149	1.9	0.4	241	16	LOS SANTOS (SANTANDER)
686	Jul 17 2016	16:00:58.6	3.62	-78.98	58	2.1	0.2	266	12	O. PACIFICO SUR
687	Jul 17 2016	16:05:29.0	4.92	-76.20	103	1.9	0.5	88	25	SAN JOSE DEL PALMAR (CHOCO)
688	Jul 17 2016	17:44:32.2	2.30	-75.67	9	1.9	0.5	105	13	AGRADO (HUILA)
689	Jul 17 2016	18:10:59.8	6.65	-73.36	127	1.6	0.3	155	7	GALAN (SANTANDER)
690	Jul 17 2016	20:41:11.7	6.40	-73.53	112	1.9	0.4	77	24	SANTA HELENA DEL OPOON (SANTANDER)
691	Jul 17 2016	22:30:33.6	6.58	-73.40	89	0.8	0.3	119	8	HATO (SANTANDER)
692	Jul 17 2016	22:35:37.8	6.64	-73.22	144	1.1	0.4	190	10	BARICHARA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
693	Jul 17 2016	23:26:11.4	1.66	-76.20	50	0.9	0.2	190	7	PALESTINA (HUILA)
694	Jul 18 2016	00:37:33.7	6.75	-73.13	143	2.0	0.4	95	26	LOS SANTOS (SANTANDER)
695	Jul 18 2016	02:11:42.8	6.76	-73.32	120	1.5	0.5	96	18	ZAPATOCA (SANTANDER)
696	Jul 18 2016	02:13:32.9	1.75	-79.48	15	3.0	0.5	289	19	O. PACIFICO SUR
697	Jul 18 2016	03:15:43.3	6.74	-73.14	151	1.3	0.3	140	11	LOS SANTOS (SANTANDER)
698	Jul 18 2016	03:17:47.0	6.75	-73.13	145	1.6	0.4	140	16	LOS SANTOS (SANTANDER)
699	Jul 18 2016	03:38:56.1	4.50	-75.74	47	1.6	0.2	138	7	LA TEBAIDA (QUINDIO)
700	Jul 18 2016	03:52:46.6	6.80	-73.11	152	2.1	0.4	100	34	LOS SANTOS (SANTANDER)
701	Jul 18 2016	04:04:30.8	6.79	-73.13	148	1.5	0.6	138	12	LOS SANTOS (SANTANDER)
702	Jul 18 2016	04:36:28.8	6.83	-73.11	151	1.2	0.3	139	8	LOS SANTOS (SANTANDER)
703	Jul 18 2016	04:45:10.0	6.78	-73.14	149	1.8	0.3	151	12	LOS SANTOS (SANTANDER)
704	Jul 18 2016	05:29:20.5	3.90	-75.93	181	1.6	0.5	115	14	SAN PEDRO (VALLE)
705	Jul 18 2016	05:49:14.9	6.76	-73.09	141	1.6	0.2	173	10	LOS SANTOS (SANTANDER)
706	Jul 18 2016	06:03:21.4	6.79	-73.15	149	1.8	0.2	137	12	LOS SANTOS (SANTANDER)
707	Jul 18 2016	07:25:19.4	6.78	-73.12	139	1.9	0.4	99	20	LOS SANTOS (SANTANDER)
708	Jul 18 2016	08:28:20.2	5.36	-75.99	39	0.8	0.2	146	8	MISTRATO (RISARALDA)
709	Jul 18 2016	09:20:26.6	5.26	-73.75	153	2.0	0.5	76	21	CUCUNUBA (CUNDINAMARCA)
710	Jul 18 2016	09:28:25.0	6.80	-73.13	143	2.1	0.4	101	19	LOS SANTOS (SANTANDER)
711	Jul 18 2016	12:00:13.8	5.62	-74.68	Sup	1.9	0.4	52	24	PUERTO SALGAR (CUNDINAMARCA)
712	Jul 18 2016	12:12:17.6	2.69	-74.99	10	2.3	0.3	96	18	RIVERA (HUILA)
713	Jul 18 2016	12:47:53.8	6.79	-73.13	145	2.1	0.4	138	22	LOS SANTOS (SANTANDER)
714	Jul 18 2016	13:14:39.8	6.29	-74.03	40	1.4	0.1	289	8	CIMITARRA (SANTANDER)
715	Jul 18 2016	13:36:36.9	2.06	-75.72	Sup	1.6	0.2	125	8	GUADALUPE (HUILA)
716	Jul 18 2016	14:21:42.5	6.79	-73.13	141	1.5	0.2	245	8	LOS SANTOS (SANTANDER)
717	Jul 18 2016	14:51:48.1	1.82	-77.35	18	2.2	0.2	211	10	EL ROSARIO (NARINO)
718	Jul 18 2016	14:55:25.7	6.84	-73.06	144	1.9	0.5	249	18	LOS SANTOS (SANTANDER)
719	Jul 18 2016	15:20:47.8	6.83	-73.15	137	2.1	0.5	134	26	LOS SANTOS (SANTANDER)
720	Jul 18 2016	15:33:49.1	6.78	-73.14	143	2.8	0.4	138	36	LOS SANTOS (SANTANDER)
721	Jul 18 2016	15:53: 2.9	6.81	-73.15	144	2.7	0.5	117	40	LOS SANTOS (SANTANDER)
722	Jul 18 2016	16:07: 5.4	6.82	-73.18	141	1.9	0.4	130	12	ZAPATOCA (SANTANDER)
723	Jul 18 2016	16:25:36.5	4.48	-76.32	121	2.2	0.5	127	14	EL DOVIO (VALLE)
724	Jul 18 2016	16:50:31.6	5.25	-73.70	148	2.0	0.3	79	17	LENGUAZAQUE (CUNDINAMARCA)
725	Jul 18 2016	17:21:49.8	6.80	-73.14	154	1.7	0.3	136	9	LOS SANTOS (SANTANDER)
726	Jul 18 2016	17:29: 1.8	4.04	-76.28	113	1.6	0.1	170	7	SAN PEDRO (VALLE)
727	Jul 18 2016	19:31:33.7	6.21	-73.47	129	1.7	0.2	159	8	EL GUACAMAYO (SANTANDER)
728	Jul 18 2016	20:00:24.5	6.76	-73.09	150	1.7	0.2	145	12	LOS SANTOS (SANTANDER)
729	Jul 18 2016	20:20: 2.8	2.37	-75.36	19	1.9	0.3	102	14	ALGECIRAS (HUILA)
730	Jul 18 2016	20:24:29.3	10.49	-73.74	64	1.9	0.1	99	8	PUEBLO BELLO (CESAR)
731	Jul 18 2016	21:38:20.5	6.77	-73.13	144	2.3	0.1	139	12	LOS SANTOS (SANTANDER)
732	Jul 18 2016	23:44:42.9	6.59	-74.11	32	1.3	0.1	196	10	PUERTO PARRA (SANTANDER)
733	Jul 19 2016	00:03:25.5	6.80	-73.13	149	1.8	0.3	137	16	LOS SANTOS (SANTANDER)
734	Jul 19 2016	00:30:22.9	6.78	-73.13	146	1.1	0.2	139	8	LOS SANTOS (SANTANDER)
735	Jul 19 2016	01:24:34.3	6.79	-73.14	152	2.0	0.4	136	11	LOS SANTOS (SANTANDER)
736	Jul 19 2016	01:50:50.1	6.75	-73.14	156	1.8	0.3	253	8	LOS SANTOS (SANTANDER)
737	Jul 19 2016	03:04:53.0	2.40	-75.56	Sup	2.1	0.6	71	31	GIGANTE (HUILA)
738	Jul 19 2016	03:14:12.5	5.71	-76.05	54	1.5	0.5	181	14	BETANIA (ANTIOQUIA)
739	Jul 19 2016	03:23: 0.2	7.72	-73.74	82	1.9	0.3	143	16	SAN PABLO (BOLIVAR)
740	Jul 19 2016	03:36: 4.8	6.76	-73.12	136	1.4	0.3	142	12	LOS SANTOS (SANTANDER)
741	Jul 19 2016	03:36:46.6	6.81	-73.13	142	2.2	0.5	102	38	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
742	Jul 19 2016	04:04:20.1	6.84	-76.35	Sup	1.3	0.6	238	8	DABEIBA (ANTIOQUIA)
743	Jul 19 2016	05:35:59.0	6.75	-73.06	147	1.5	0.2	184	8	JORDAN (SANTANDER)
744	Jul 19 2016	05:36:22.8	2.93	-74.74	Sup	2.2	0.8	119	19	BARAYA (HUILA)
745	Jul 19 2016	05:39:32.7	6.79	-73.17	148	1.5	0.4	134	11	LOS SANTOS (SANTANDER)
746	Jul 19 2016	07:35:21.2	6.77	-73.12	150	1.2	0.3	238	10	LOS SANTOS (SANTANDER)
747	Jul 19 2016	08:01:59.9	6.79	-73.13	150	1.5	0.3	138	12	LOS SANTOS (SANTANDER)
748	Jul 19 2016	08:12:18.2	6.75	-73.12	139	1.7	0.3	142	12	LOS SANTOS (SANTANDER)
749	Jul 19 2016	08:52:40.8	6.79	-73.13	147	3.2	0.5	67	0	LOS SANTOS (SANTANDER)
750	Jul 19 2016	08:52:40.8	6.79	-73.13	147	3.2	0.5	67	63	LOS SANTOS (SANTANDER)
751	Jul 19 2016	10:03:36.7	3.84	-71.41	Sup	2.4	0.3	328	18	PUERTO GAITAN (META)
752	Jul 19 2016	12:11:52.7	6.76	-73.12	146	2.2	0.4	141	27	LOS SANTOS (SANTANDER)
753	Jul 19 2016	12:54: 5.7	6.79	-73.09	144	1.9	0.4	243	20	LOS SANTOS (SANTANDER)
754	Jul 19 2016	13:09:15.4	1.92	-76.04	Sup	2.2	0.3	143	9	PITALITO (HUILA)
755	Jul 19 2016	13:12:51.7	3.28	-74.90	19	1.3	0.4	200	8	ALPUJARRA (TOLIMA)
756	Jul 19 2016	13:13:51.7	4.03	-75.78	Sup	1.6	0.5	155	10	GENOVA (QUINDIO)
757	Jul 19 2016	13:23: 0.7	6.97	-73.62	104	1.9	0.4	96	16	SAN VICENTE DE CHUCURI (SANTANDER)
758	Jul 19 2016	13:33:12.5	10.99	-73.53	Sup	1.8	0.5	164	8	PUEBLO BELLO (CESAR)
759	Jul 19 2016	14:29:31.6	6.79	-73.16	142	1.8	0.4	134	8	LOS SANTOS (SANTANDER)
760	Jul 19 2016	17:26: 7.2	5.63	-76.74	Sup	1.7	0.4	278	13	QUIBDO (CHOCO)
761	Jul 19 2016	17:59:13.9	1.19	-79.33	13	2.6	0.6	256	12	O. PACIFICO ECUADOR
762	Jul 19 2016	19:12:53.3	6.79	-73.10	142	2.8	0.4	122	38	LOS SANTOS (SANTANDER)
763	Jul 19 2016	19:33:41.8	6.80	-73.13	145	2.8	0.4	120	40	LOS SANTOS (SANTANDER)
764	Jul 19 2016	21:11:24.2	6.78	-73.10	145	2.4	0.2	142	18	LOS SANTOS (SANTANDER)
765	Jul 20 2016	00:11:21.0	5.13	-76.25	101	1.5	0.3	191	8	SAN JOSE DEL PALMAR (CHOCO)
766	Jul 20 2016	00:40:55.5	6.82	-73.09	144	1.2	0.2	142	8	LOS SANTOS (SANTANDER)
767	Jul 20 2016	00:50:36.6	6.78	-73.12	146	1.6	0.3	140	10	LOS SANTOS (SANTANDER)
768	Jul 20 2016	02:20:48.7	3.83	-76.59	72	1.7	0.5	100	10	RESTREPO (VALLE)
769	Jul 20 2016	03:51:33.0	6.76	-73.05	146	2.0	0.5	118	26	LOS SANTOS (SANTANDER)
770	Jul 20 2016	04:04:12.1	6.80	-73.07	147	1.5	0.4	245	12	LOS SANTOS (SANTANDER)
771	Jul 20 2016	04:45:19.5	6.76	-73.15	147	1.5	0.3	234	8	LOS SANTOS (SANTANDER)
772	Jul 20 2016	05:05:45.9	2.00	-77.60	70	1.3	0.3	169	10	LEIVA (NARINO)
773	Jul 20 2016	05:32:42.8	6.29	-77.45	Sup	1.8	0.6	295	10	O. PACIFICO NORTE
774	Jul 20 2016	05:50:38.2	6.73	-73.15	147	1.4	0.5	232	10	JORDAN (SANTANDER)
775	Jul 20 2016	05:52: 2.9	4.86	-73.71	Sup	1.8	0.7	151	12	JUNIN (CUNDINAMARCA)
776	Jul 20 2016	06:00:48.4	6.46	-76.71	Sup	1.7	0.2	270	8	VIGIA DEL FUERTE (ANTIOQUIA)
777	Jul 20 2016	06:11:48.6	3.86	-76.28	114	1.5	0.4	96	16	BUGA (VALLE)
778	Jul 20 2016	06:49:13.7	6.81	-73.10	150	1.6	0.3	262	8	LOS SANTOS (SANTANDER)
779	Jul 20 2016	07:02: 4.0	5.71	-72.95	Sup	0.9	0.4	282	8	SOGAMOSO (BOYACA)
780	Jul 20 2016	07:24:54.5	2.28	-75.69	Sup	3.6	0.4	61	0	AGRADO (HUILA)
781	Jul 20 2016	07:24:54.5	2.28	-75.69	0	3.6	0.4	61	45	AGRADO (HUILA)
782	Jul 20 2016	07:30:15.8	2.24	-75.69	11	0.9	0.3	110	10	AGRADO (HUILA)
783	Jul 20 2016	08:06:30.2	6.79	-73.08	147	2.2	0.5	104	30	LOS SANTOS (SANTANDER)
784	Jul 20 2016	08:18:41.3	2.28	-75.69	8	1.1	0.4	109	12	AGRADO (HUILA)
785	Jul 20 2016	09:06:10.7	1.83	-77.35	19	1.5	0.2	212	8	EL ROSARIO (NARINO)
786	Jul 20 2016	09:12:50.0	6.30	-73.51	115	1.6	0.5	87	14	CONTRATACION (SANTANDER)
787	Jul 20 2016	09:49:18.9	2.25	-75.69	13	0.9	0.3	109	8	AGRADO (HUILA)
788	Jul 20 2016	10:07: 1.7	3.63	-76.18	Sup	0.7	0.2	131	7	GINEBRA (VALLE)
789	Jul 20 2016	10:13:18.1	6.63	-74.11	50	1.0	0.1	147	8	PUERTO PARRA (SANTANDER)
790	Jul 20 2016	10:45:57.6	6.80	-73.16	148	3.6	0.4	64	0	LOS SANTOS (SANTANDER)
791	Jul 20 2016	10:45:57.6	6.80	-73.16	148	3.6	0.4	64	64	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
792	Jul 20 2016	11:12:22.4	5.71	-72.66	Sup	1.8	0.3	255	11	MONGUA (BOYACA)
793	Jul 20 2016	11:32:23.8	6.83	-73.01	136	1.4	0.4	253	8	CEPITA (SANTANDER)
794	Jul 20 2016	13:46:11.2	6.79	-73.01	179	2.2	0.4	250	22	CEPITA (SANTANDER)
795	Jul 20 2016	13:49:40.7	5.56	-73.89	121	2.3	0.4	102	34	CALDAS (BOYACA)
796	Jul 20 2016	13:59: 4.8	6.08	-73.48	113	1.4	0.5	204	7	SANTANA (BOYACA)
797	Jul 20 2016	14:29: 0.0	6.74	-73.11	137	1.6	0.4	143	9	LOS SANTOS (SANTANDER)
798	Jul 20 2016	15:04:57.6	7.07	-75.87	Sup	1.8	0.4	126	10	PEQUE (ANTIOQUIA)
799	Jul 20 2016	16:17:25.1	3.92	-76.55	83	1.7	0.4	112	8	CALIMA (VALLE)
800	Jul 20 2016	16:19:12.5	6.82	-73.31	120	1.7	0.3	104	14	ZAPATOCA (SANTANDER)
801	Jul 20 2016	16:27:44.8	3.89	-76.67	69	2.5	0.7	101	12	RESTREPO (VALLE)
802	Jul 20 2016	17:00:38.4	7.32	-75.74	48	1.7	0.1	150	8	ITUANGO (ANTIOQUIA)
803	Jul 20 2016	19:28:17.4	10.03	-73.52	95	1.7	0.3	127	8	AGUSTIN CODAZZI (CESAR)
804	Jul 20 2016	19:29: 0.1	6.72	-73.12	146	1.7	0.4	142	11	JORDAN (SANTANDER)
805	Jul 20 2016	19:36: 7.8	4.45	-76.25	Sup	1.8	0.3	166	8	EL DOVIO (VALLE)
806	Jul 20 2016	20:47:17.5	6.77	-73.11	144	1.9	0.3	142	9	LOS SANTOS (SANTANDER)
807	Jul 20 2016	22:14:32.1	6.77	-73.13	140	1.4	0.2	139	9	LOS SANTOS (SANTANDER)
808	Jul 21 2016	03:00: 3.2	6.33	-73.41	133	2.1	0.5	57	35	CHIMA (SANTANDER)
809	Jul 21 2016	03:25:27.0	6.76	-73.15	148	1.3	0.3	234	9	LOS SANTOS (SANTANDER)
810	Jul 21 2016	03:35:36.4	6.79	-73.11	149	1.3	0.2	240	10	LOS SANTOS (SANTANDER)
811	Jul 21 2016	04:13:47.0	6.80	-73.14	146	2.5	0.4	102	42	LOS SANTOS (SANTANDER)
812	Jul 21 2016	05:54:25.8	6.78	-73.11	151	1.5	0.4	239	10	LOS SANTOS (SANTANDER)
813	Jul 21 2016	06:06:20.3	2.27	-75.69	Sup	2.5	0.5	62	34	AGRADO (HUILA)
814	Jul 21 2016	06:15:29.0	5.62	-74.00	115	2.7	0.5	53	40	PAUNA (BOYACA)
815	Jul 21 2016	06:56: 0.5	6.76	-73.14	141	1.4	0.3	234	10	LOS SANTOS (SANTANDER)
816	Jul 21 2016	07:21:59.1	6.76	-73.14	150	1.5	0.1	234	8	LOS SANTOS (SANTANDER)
817	Jul 21 2016	07:31:21.1	6.79	-73.05	149	1.7	0.2	247	8	LOS SANTOS (SANTANDER)
818	Jul 21 2016	08:41:58.1	6.81	-73.11	151	1.8	0.5	242	10	LOS SANTOS (SANTANDER)
819	Jul 21 2016	09:22:14.8	6.74	-73.15	140	1.6	0.3	232	11	LOS SANTOS (SANTANDER)
820	Jul 21 2016	10:12:12.4	6.68	-74.11	76	1.5	0.1	140	7	PUERTO PARRA (SANTANDER)
821	Jul 21 2016	10:29:56.2	6.54	-73.54	107	1.6	0.2	137	8	EL CARMEN (SANTANDER)
822	Jul 21 2016	10:36:51.2	6.75	-73.09	141	1.6	0.3	240	12	LOS SANTOS (SANTANDER)
823	Jul 21 2016	11:28: 4.2	3.36	-77.57	72	2.8	0.6	142	18	O. PACIFICO SUR
824	Jul 21 2016	12:43:53.7	4.79	-73.17	Sup	2.2	0.4	134	10	SAN LUIS DE GACENO (BOYACA)
825	Jul 21 2016	12:49:27.2	3.92	-76.22	124	3.2	0.6	66	0	SAN PEDRO (VALLE)
826	Jul 21 2016	12:49:27.2	3.92	-76.22	124	3.2	0.6	66	49	SAN PEDRO (VALLE)
827	Jul 21 2016	13:07: 5.3	2.75	-75.02	Sup	2.3	0.2	200	11	RIVERA (HUILA)
828	Jul 21 2016	13:19:13.2	6.79	-73.15	138	2.1	0.4	236	22	LOS SANTOS (SANTANDER)
829	Jul 21 2016	14:24:41.9	6.61	-73.37	116	1.7	0.5	157	10	GALAN (SANTANDER)
830	Jul 21 2016	16:01:38.0	6.53	-76.90	10	1.7	0.5	248	12	VIGIA DEL FUERTE (ANTIOQUIA)
831	Jul 21 2016	18:08:30.5	7.64	-73.07	146	1.8	0.3	224	10	CACHIRA (N.SANTANDER)
832	Jul 21 2016	22:00: 7.3	6.77	-73.14	139	2.4	0.4	98	20	LOS SANTOS (SANTANDER)
833	Jul 21 2016	22:09:21.6	6.77	-73.11	145	2.5	0.4	97	39	LOS SANTOS (SANTANDER)
834	Jul 21 2016	22:11:21.8	6.13	-73.75	106	1.8	0.5	107	13	LANDAZURI (SANTANDER)
835	Jul 21 2016	23:20: 4.4	6.75	-73.16	146	2.1	0.5	232	13	LOS SANTOS (SANTANDER)
836	Jul 22 2016	00:22:29.1	5.67	-76.03	42	2.4	0.4	169	14	BETANIA (ANTIOQUIA)
837	Jul 22 2016	01:21:58.2	4.19	-75.81	48	1.2	0.2	195	8	GENOVA (QUINDIO)
838	Jul 22 2016	02:41:29.5	6.76	-73.12	157	1.4	0.2	238	8	LOS SANTOS (SANTANDER)
839	Jul 22 2016	03:05:33.2	11.43	-72.23	Sup	2.9	0.5	140	23	MANAURE BALCON CESAR (CESAR)
840	Jul 22 2016	03:47:48.2	6.76	-73.15	148	1.6	0.3	234	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
841	Jul 22 2016	07:51:13.1	6.55	-73.47	124	1.3	0.1	124	8	EL CARMEN (SANTANDER)
842	Jul 22 2016	08:05: 3.8	5.26	-73.77	146	1.2	0.2	274	8	CUCUNUBA (CUNDINAMARCA)
843	Jul 22 2016	08:08:37.6	6.80	-73.13	149	1.8	0.3	138	14	LOS SANTOS (SANTANDER)
844	Jul 22 2016	08:22:16.7	6.76	-73.08	147	1.1	0.1	241	8	LOS SANTOS (SANTANDER)
845	Jul 22 2016	08:39:17.4	6.77	-73.09	139	1.8	0.4	144	22	LOS SANTOS (SANTANDER)
846	Jul 22 2016	09:08:27.1	6.75	-73.47	111	1.2	0.3	154	9	EL CARMEN (SANTANDER)
847	Jul 22 2016	09:57:38.3	6.80	-73.13	144	3.0	0.5	101	38	LOS SANTOS (SANTANDER)
848	Jul 22 2016	10:52:24.6	5.08	-73.07	Sup	2.6	0.6	100	34	PAEZ (BOYACA)
849	Jul 22 2016	11:05:47.8	5.23	-77.78	51	2.0	0.4	303	8	O. PACIFICO CENTRO
850	Jul 22 2016	11:16:41.1	6.85	-73.11	145	1.8	0.6	138	16	LOS SANTOS (SANTANDER)
851	Jul 22 2016	12:58:23.4	9.83	-73.21	102	1.9	0.3	178	10	BECERRIL (CESAR)
852	Jul 22 2016	13:20:42.1	5.25	-73.70	146	3.1	0.4	65	0	LENGUAZAQUE (CUNDINAMARCA)
853	Jul 22 2016	13:20:42.1	5.25	-73.70	146	3.1	0.4	65	48	LENGUAZAQUE (CUNDINAMARCA)
854	Jul 22 2016	14:33:55.2	6.76	-73.24	137	1.6	0.4	227	11	ZAPATOCA (SANTANDER)
855	Jul 22 2016	14:59:26.0	6.72	-73.15	143	1.9	0.8	230	15	VILLANUEVA (SANTANDER)
856	Jul 22 2016	20:50:32.5	11.54	-72.72	Sup	2.1	0.4	182	6	MANAURE BALCON CESAR (CESAR)
857	Jul 22 2016	22:19:48.5	7.47	-73.18	131	3.0	0.5	107	0	EL PLAYON (SANTANDER)
858	Jul 22 2016	22:19:48.5	7.47	-73.18	131	3.0	0.5	107	51	EL PLAYON (SANTANDER)
859	Jul 22 2016	23:06:50.1	2.28	-75.68	Sup	2.5	0.6	63	30	AGRADO (HUILA)
860	Jul 22 2016	23:14:26.0	6.79	-73.13	145	2.2	0.3	120	30	LOS SANTOS (SANTANDER)
861	Jul 23 2016	01:30: 9.2	2.70	-75.08	18	1.7	0.3	153	10	RIVERA (HUILA)
862	Jul 23 2016	03:51: 5.4	6.77	-73.11	139	2.0	0.4	142	19	LOS SANTOS (SANTANDER)
863	Jul 23 2016	03:53: 8.9	6.79	-73.14	147	2.7	0.4	71	42	LOS SANTOS (SANTANDER)
864	Jul 23 2016	04:44:45.0	6.80	-73.11	148	1.5	0.3	241	10	LOS SANTOS (SANTANDER)
865	Jul 23 2016	05:09:44.6	1.98	-75.89	Sup	1.7	0.3	93	22	TIMANA (HUILA)
866	Jul 23 2016	05:29:21.0	6.80	-73.14	140	1.7	0.4	238	12	LOS SANTOS (SANTANDER)
867	Jul 23 2016	05:32:16.1	1.99	-75.88	13	0.8	0.3	121	12	TIMANA (HUILA)
868	Jul 23 2016	05:55:10.5	6.81	-76.39	14	1.3	0.3	244	8	DABEIBA (ANTIOQUIA)
869	Jul 23 2016	05:58:38.7	1.95	-75.95	19	1.2	0.3	131	10	TIMANA (HUILA)
870	Jul 23 2016	07:36:13.8	3.94	-76.37	116	1.2	0.3	173	8	YOTOCO (VALLE)
871	Jul 23 2016	07:38:23.4	6.70	-73.46	30	2.0	0.5	61	30	EL CARMEN (SANTANDER)
872	Jul 23 2016	07:44:37.0	4.43	-76.10	132	1.1	0.3	131	12	ROLDANILLO (VALLE)
873	Jul 23 2016	08:26:52.7	5.26	-73.75	145	1.9	0.4	76	28	CUCUNUBA (CUNDINAMARCA)
874	Jul 23 2016	08:30:49.4	2.40	-75.56	19	1.3	0.3	110	12	GIGANTE (HUILA)
875	Jul 23 2016	09:58:44.3	6.77	-73.11	140	1.5	0.4	239	12	LOS SANTOS (SANTANDER)
876	Jul 23 2016	10:06:36.8	6.80	-73.19	133	1.7	0.3	131	16	ZAPATOCA (SANTANDER)
877	Jul 23 2016	10:51: 6.5	10.67	-73.49	Sup	1.7	0.4	116	9	PUEBLO BELLO (CESAR)
878	Jul 23 2016	11:51:45.4	6.62	-78.39	32	2.4	0.6	166	17	O. PACIFICO NORTE
879	Jul 23 2016	12:32:48.9	6.89	-73.21	127	1.6	0.5	239	7	BETULIA (SANTANDER)
880	Jul 23 2016	13:19:43.0	6.79	-73.18	137	2.0	0.4	132	18	ZAPATOCA (SANTANDER)
881	Jul 23 2016	14:12:31.7	4.65	-76.04	61	1.8	0.4	112	12	TORO (VALLE)
882	Jul 23 2016	14:14: 4.9	6.93	-74.26	22	1.9	0.4	122	17	PUERTO PARRA (SANTANDER)
883	Jul 23 2016	15:23:15.1	1.67	-76.47	Sup	1.3	0.5	146	10	SANTA ROSA (CAUCA)
884	Jul 23 2016	17:16: 7.2	6.78	-72.25	19	1.6	0.1	165	8	CUBARA (BOYACA)
885	Jul 23 2016	17:38:32.1	6.78	-73.14	142	1.6	0.3	137	9	LOS SANTOS (SANTANDER)
886	Jul 23 2016	17:47: 1.4	6.75	-73.09	140	1.7	0.3	145	8	LOS SANTOS (SANTANDER)
887	Jul 23 2016	19:08:25.6	6.86	-73.10	148	2.2	0.4	139	16	LOS SANTOS (SANTANDER)
888	Jul 23 2016	20:16:49.9	6.78	-73.09	142	2.2	0.4	143	22	LOS SANTOS (SANTANDER)
889	Jul 23 2016	21:10:12.7	6.78	-73.10	147	2.4	0.5	143	24	LOS SANTOS (SANTANDER)
890	Jul 23 2016	21:28:37.8	6.80	-73.11	146	2.3	0.4	140	23	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
891	Jul 23 2016	21:58:41.3	6.80	-73.12	149	2.4	0.5	121	30	LOS SANTOS (SANTANDER)
892	Jul 23 2016	22:07:15.3	6.78	-73.14	148	2.5	0.4	66	41	LOS SANTOS (SANTANDER)
893	Jul 23 2016	22:54: 7.1	3.31	-74.96	Sup	2.7	0.6	94	51	ALPUJARRA (TOLIMA)
894	Jul 23 2016	23:44:49.4	7.36	-78.43	16	3.4	0.7	109	47	O. PACIFICO PANAMA
895	Jul 24 2016	00:33:35.6	4.66	-75.59	155	2.0	0.6	162	15	SALENTO (QUINDIO)
896	Jul 24 2016	00:44:44.9	7.43	-77.03	68	2.2	0.7	81	26	RIOSUCIO (CHOCO)
897	Jul 24 2016	00:55:46.3	3.42	-74.22	Sup	1.5	0.4	126	14	MESETAS (META)
898	Jul 24 2016	02:08:32.1	6.75	-73.11	150	2.1	0.5	124	24	LOS SANTOS (SANTANDER)
899	Jul 24 2016	02:09:10.2	6.76	-73.10	138	2.2	0.5	144	19	LOS SANTOS (SANTANDER)
900	Jul 24 2016	02:51:34.2	5.31	-74.78	16	1.3	0.4	84	18	HONDA (TOLIMA)
901	Jul 24 2016	03:13: 9.5	6.77	-73.10	139	2.4	0.5	124	36	LOS SANTOS (SANTANDER)
902	Jul 24 2016	03:17: 7.7	4.82	-76.20	110	1.9	0.4	83	20	EL CAIRO (VALLE)
903	Jul 24 2016	03:34:34.9	6.76	-73.14	149	1.4	0.3	138	10	LOS SANTOS (SANTANDER)
904	Jul 24 2016	03:35:45.9	6.71	-73.10	142	1.0	0.3	171	8	JORDAN (SANTANDER)
905	Jul 24 2016	04:11:35.3	6.81	-73.06	150	1.5	0.3	247	8	LOS SANTOS (SANTANDER)
906	Jul 24 2016	04:29:22.1	6.79	-73.15	144	1.4	0.4	136	13	LOS SANTOS (SANTANDER)
907	Jul 24 2016	04:35: 1.7	6.81	-73.11	144	2.4	0.5	121	38	LOS SANTOS (SANTANDER)
908	Jul 24 2016	04:46:43.0	6.76	-73.09	146	2.1	0.4	95	32	LOS SANTOS (SANTANDER)
909	Jul 24 2016	04:52:20.6	6.70	-73.13	148	1.2	0.3	231	8	JORDAN (SANTANDER)
910	Jul 24 2016	05:06: 3.4	7.28	-73.26	107	1.3	0.4	255	10	RIONEGRO (SANTANDER)
911	Jul 24 2016	05:35:34.1	5.64	-73.79	129	1.7	0.4	139	10	CHIQUINQUIRA (BOYACA)
912	Jul 24 2016	05:43:58.2	2.37	-75.67	6	1.4	0.1	111	14	GIGANTE (HUILA)
913	Jul 24 2016	06:15:37.4	2.46	-75.58	15	0.6	0.1	133	13	GIGANTE (HUILA)
914	Jul 24 2016	06:51:55.6	5.62	-72.81	Sup	1.7	0.6	103	16	MONGUI (BOYACA)
915	Jul 24 2016	07:11:21.4	6.78	-73.10	149	1.1	0.1	143	10	LOS SANTOS (SANTANDER)
916	Jul 24 2016	07:19:47.4	6.76	-73.07	145	1.1	0.2	172	8	LOS SANTOS (SANTANDER)
917	Jul 24 2016	07:40:40.4	6.76	-73.05	142	1.4	0.4	150	14	LOS SANTOS (SANTANDER)
918	Jul 24 2016	07:48:51.6	6.79	-73.10	143	1.4	0.4	142	10	LOS SANTOS (SANTANDER)
919	Jul 24 2016	07:50:59.6	6.76	-73.15	152	1.2	0.3	137	9	LOS SANTOS (SANTANDER)
920	Jul 24 2016	08:14:19.4	5.60	-72.62	Sup	3.0	0.6	116	0	LABRANZAGRANDE (BOYACA)
921	Jul 24 2016	08:14:19.4	5.60	-72.62	0	3.0	0.6	116	48	LABRANZAGRANDE (BOYACA)
922	Jul 24 2016	09:12:52.6	6.81	-73.13	152	1.7	0.4	137	24	LOS SANTOS (SANTANDER)
923	Jul 24 2016	09:22:25.9	6.82	-73.15	145	1.8	0.4	135	22	LOS SANTOS (SANTANDER)
924	Jul 24 2016	09:45:16.4	7.17	-77.09	17	1.8	0.7	81	22	RIOSUCIO (CHOCO)
925	Jul 24 2016	09:45:33.1	7.75	-72.65	Sup	1.5	0.4	203	10	DURANIA (N.SANTANDER)
926	Jul 24 2016	10:04:42.5	6.90	-72.87	146	1.7	0.3	268	7	GUACA (SANTANDER)
927	Jul 24 2016	10:12:21.4	6.78	-73.09	144	2.0	0.4	144	24	LOS SANTOS (SANTANDER)
928	Jul 24 2016	10:16:49.1	6.78	-73.15	148	1.8	0.3	136	20	LOS SANTOS (SANTANDER)
929	Jul 24 2016	11:37:54.3	6.17	-73.62	112	1.5	0.4	90	12	LA PAZ (SANTANDER)
930	Jul 24 2016	12:50:56.8	7.77	-72.75	Sup	1.8	0.4	188	10	SALAZAR (N.SANTANDER)
931	Jul 24 2016	13:05:15.5	6.78	-73.13	132	1.8	0.3	139	12	LOS SANTOS (SANTANDER)
932	Jul 24 2016	13:20:23.6	6.79	-73.11	139	1.6	0.4	141	12	LOS SANTOS (SANTANDER)
933	Jul 24 2016	13:39:42.0	5.62	-73.97	110	1.6	0.2	132	14	PAUNA (BOYACA)
934	Jul 24 2016	13:51: 5.0	6.80	-73.12	143	2.0	0.4	139	16	LOS SANTOS (SANTANDER)
935	Jul 24 2016	14:04:27.9	6.77	-73.08	144	1.5	0.4	146	10	LOS SANTOS (SANTANDER)
936	Jul 24 2016	15:52:59.9	7.65	-73.36	119	1.7	0.3	212	8	LA ESPERANZA (N.SANTANDER)
937	Jul 24 2016	15:57:52.7	6.77	-73.11	149	1.8	0.3	142	14	LOS SANTOS (SANTANDER)
938	Jul 24 2016	16:11:56.7	6.79	-73.10	147	2.3	0.4	142	28	LOS SANTOS (SANTANDER)
939	Jul 24 2016	16:34:40.1	6.76	-73.15	142	3.7	0.7	72	0	LOS SANTOS (SANTANDER)
940	Jul 24 2016	16:34:40.1	6.76	-73.15	142	3.7	0.7	72	73	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
941	Jul 24 2016	16:48:58.6	7.68	-72.74	Sup	2.0	0.6	231	11	ARBOLEDAS (N.SANTANDER)
942	Jul 24 2016	17:21:37.9	6.80	-73.26	138	1.4	0.1	124	8	ZAPATOCA (SANTANDER)
943	Jul 24 2016	18:57: 6.4	6.82	-73.14	146	1.5	0.4	245	10	LOS SANTOS (SANTANDER)
944	Jul 24 2016	20:19:50.8	6.71	-73.15	152	1.8	0.3	139	12	VILLANUEVA (SANTANDER)
945	Jul 24 2016	20:56:32.4	6.79	-73.12	145	1.6	0.2	140	16	LOS SANTOS (SANTANDER)
946	Jul 24 2016	21:05:48.8	6.35	-76.69	Sup	2.0	0.2	261	19	VIGIA DEL FUERTE (ANTIOQUIA)
947	Jul 24 2016	22:55:41.3	6.77	-73.12	144	1.8	0.4	140	11	LOS SANTOS (SANTANDER)
948	Jul 24 2016	23:35:12.4	7.48	-73.18	130	2.5	0.5	101	40	EL PLAYON (SANTANDER)
949	Jul 24 2016	23:42:26.4	7.38	-75.27	Sup	1.9	0.3	119	13	CACERES (ANTIOQUIA)
950	Jul 24 2016	23:49: 8.6	5.99	-72.48	Sup	1.7	0.6	217	13	SOCOTA (BOYACA)
951	Jul 25 2016	00:37:30.7	6.82	-73.10	155	3.7	0.7	68	0	LOS SANTOS (SANTANDER)
952	Jul 25 2016	00:37:30.7	6.82	-73.10	155	3.7	0.7	68	82	LOS SANTOS (SANTANDER)
953	Jul 25 2016	01:04:34.8	6.79	-73.13	145	2.3	0.3	138	32	LOS SANTOS (SANTANDER)
954	Jul 25 2016	01:55:53.9	6.79	-73.07	150	2.3	0.4	146	36	LOS SANTOS (SANTANDER)
955	Jul 25 2016	02:29:54.4	6.83	-76.21	Sup	1.4	0.2	193	8	URAMITA (ANTIOQUIA)
956	Jul 25 2016	02:58:12.9	6.76	-73.10	142	1.7	0.3	144	14	LOS SANTOS (SANTANDER)
957	Jul 25 2016	03:11:48.6	4.43	-76.53	101	1.2	0.3	222	10	SIPI (CHOCO)
958	Jul 25 2016	03:35:40.4	6.74	-73.06	141	1.2	0.2	149	10	JORDAN (SANTANDER)
959	Jul 25 2016	03:45:46.6	6.77	-73.09	144	2.0	0.2	145	15	LOS SANTOS (SANTANDER)
960	Jul 25 2016	03:46:30.6	6.78	-73.14	149	3.4	0.6	66	0	LOS SANTOS (SANTANDER)
961	Jul 25 2016	03:46:30.6	6.78	-73.14	149	3.4	0.6	66	68	LOS SANTOS (SANTANDER)
962	Jul 25 2016	03:48: 6.6	6.79	-73.12	148	2.3	0.4	239	11	LOS SANTOS (SANTANDER)
963	Jul 25 2016	03:50:54.9	6.76	-73.11	145	1.6	0.2	143	8	LOS SANTOS (SANTANDER)
964	Jul 25 2016	05:26: 7.5	6.74	-73.17	141	1.2	0.4	230	9	LOS SANTOS (SANTANDER)
965	Jul 25 2016	06:40:27.4	5.92	-73.57	125	1.5	0.2	148	9	BARBOSA (SANTANDER)
966	Jul 25 2016	06:50:23.7	6.79	-73.14	144	1.8	0.4	137	24	LOS SANTOS (SANTANDER)
967	Jul 25 2016	07:33: 2.4	6.64	-73.46	111	1.5	0.3	129	9	EL CARMEN (SANTANDER)
968	Jul 25 2016	07:46: 9.1	6.76	-73.12	138	1.9	0.4	141	12	LOS SANTOS (SANTANDER)
969	Jul 25 2016	07:47:16.0	5.75	-73.91	109	2.0	0.3	157	10	ALBANIA (SANTANDER)
970	Jul 25 2016	07:48:48.2	6.82	-73.10	150	2.8	0.5	72	41	LOS SANTOS (SANTANDER)
971	Jul 25 2016	07:53:30.6	6.80	-73.12	148	1.8	0.3	140	12	LOS SANTOS (SANTANDER)
972	Jul 25 2016	07:58: 7.0	4.48	-75.68	Sup	0.8	0.4	99	12	ARMENIA (QUINDIO)
973	Jul 25 2016	08:02:13.2	6.86	-73.07	154	1.2	0.1	249	8	LOS SANTOS (SANTANDER)
974	Jul 25 2016	08:36:24.5	2.25	-75.67	11	0.7	0.4	107	10	GARZON (HUILA)
975	Jul 25 2016	08:41:41.1	6.78	-73.00	147	1.8	0.3	250	16	CEPITA (SANTANDER)
976	Jul 25 2016	09:08:46.3	6.85	-73.27	124	1.5	0.3	221	16	ZAPATOCA (SANTANDER)
977	Jul 25 2016	09:47:22.9	6.76	-73.11	150	1.8	0.3	238	10	LOS SANTOS (SANTANDER)
978	Jul 25 2016	10:01:26.4	6.73	-73.13	146	1.8	0.3	93	15	JORDAN (SANTANDER)
979	Jul 25 2016	10:37:27.0	4.48	-73.42	9	1.6	0.6	140	9	MEDINA (CUNDINAMARCA)
980	Jul 25 2016	10:46:41.6	6.74	-73.15	146	1.5	0.4	232	11	LOS SANTOS (SANTANDER)
981	Jul 25 2016	13:50:39.5	6.81	-72.98	145	1.8	0.5	310	10	CEPITA (SANTANDER)
982	Jul 25 2016	14:51:33.1	6.81	-73.15	146	2.5	0.4	70	41	LOS SANTOS (SANTANDER)
983	Jul 25 2016	16:24: 7.3	6.58	-73.41	122	1.7	0.3	148	8	HATO (SANTANDER)
984	Jul 25 2016	17:45: 9.8	6.78	-73.12	146	1.6	0.5	141	9	LOS SANTOS (SANTANDER)
985	Jul 25 2016	18:08:26.8	6.76	-73.04	151	1.9	0.4	152	14	LOS SANTOS (SANTANDER)
986	Jul 25 2016	18:10:46.3	6.82	-73.14	145	2.9	0.5	70	42	LOS SANTOS (SANTANDER)
987	Jul 25 2016	20:26: 6.6	7.28	-74.01	22	1.3	0.5	196	10	PUERTO WILCHES (SANTANDER)
988	Jul 25 2016	22:18: 0.6	6.73	-73.18	144	1.7	0.4	227	10	VILLANUEVA (SANTANDER)
989	Jul 25 2016	22:48: 6.4	2.62	-79.57	Sup	2.5	0.8	294	16	O. PACIFICO SUR
990	Jul 25 2016	23:08:15.8	6.74	-73.18	147	1.5	0.3	229	9	VILLANUEVA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
991	Jul 25 2016	23:14:34.4	6.84	-73.15	138	1.6	0.3	245	7	LOS SANTOS (SANTANDER)
992	Jul 25 2016	23:35: 2.5	6.40	-73.50	121	1.5	0.3	138	10	CONTRATACION (SANTANDER)
993	Jul 25 2016	23:43:42.8	5.48	-76.87	16	1.7	0.4	203	10	ALTO BAUDO (CHOCO)
994	Jul 25 2016	23:48:34.7	5.99	-73.99	88	1.8	0.5	96	18	LA BELLEZA (SANTANDER)
995	Jul 26 2016	00:53:49.9	4.98	-76.45	90	1.6	0.3	213	9	NOVITA (CHOCO)
996	Jul 26 2016	01:05: 5.3	6.78	-73.15	143	2.2	0.4	165	29	LOS SANTOS (SANTANDER)
997	Jul 26 2016	02:24:41.0	6.82	-73.19	155	1.2	0.3	234	9	ZAPATOCA (SANTANDER)
998	Jul 26 2016	03:27: 2.9	2.92	-76.44	79	1.6	0.4	154	14	SANTANDER DE QUILICHAO (CAUCA)
999	Jul 26 2016	03:39:31.2	4.32	-76.35	Sup	1.6	0.4	115	16	TRUJILLO (VALLE)
1000	Jul 26 2016	03:39:31.5	6.73	-73.14	141	1.2	0.3	232	8	LOS SANTOS (SANTANDER)
1001	Jul 26 2016	04:24:34.4	4.47	-75.67	Sup	1.2	0.5	100	16	ARMENIA (QUINDIO)
1002	Jul 26 2016	04:32:20.5	6.80	-73.15	152	4.7	0.8	65	0	LOS SANTOS (SANTANDER)
<u>1003</u>	<u>Jul 26 2016</u>	<u>04:32:20.5</u>	<u>6.80</u>	<u>-73.15</u>	<u>152</u>	<u>4.7</u>	<u>0.8</u>	<u>65</u>	<u>113</u>	<u>LOS SANTOS (SANTANDER)</u>
1004	Jul 26 2016	04:45:18.2	6.80	-73.11	144	3.0	0.5	68	61	LOS SANTOS (SANTANDER)
1005	Jul 26 2016	04:59:38.0	6.77	-73.15	146	1.6	0.3	136	14	LOS SANTOS (SANTANDER)
1006	Jul 26 2016	05:01:18.5	6.80	-73.19	160	1.2	0.3	232	8	ZAPATOCA (SANTANDER)
1007	Jul 26 2016	05:04:46.8	6.68	-73.25	156	1.4	0.5	191	9	BARICHARA (SANTANDER)
1008	Jul 26 2016	05:09:57.2	6.78	-73.16	148	1.4	0.4	135	10	LOS SANTOS (SANTANDER)
1009	Jul 26 2016	05:15: 4.4	6.77	-73.16	150	1.4	0.3	135	9	LOS SANTOS (SANTANDER)
1010	Jul 26 2016	06:37:23.2	6.82	-76.41	46	1.2	0.4	247	10	DABEIBA (ANTIOQUIA)
1011	Jul 26 2016	07:08:10.1	6.71	-73.15	157	1.2	0.2	248	8	VILLANUEVA (SANTANDER)
1012	Jul 26 2016	07:39:41.0	6.72	-73.18	155	1.3	0.4	228	8	VILLANUEVA (SANTANDER)
1013	Jul 26 2016	07:59:34.1	6.77	-73.14	148	1.7	0.3	153	10	LOS SANTOS (SANTANDER)
1014	Jul 26 2016	08:20:36.4	6.91	-74.78	29	1.5	0.4	92	12	REMEDIOS (ANTIOQUIA)
1015	Jul 26 2016	08:44:47.5	4.72	-76.06	121	2.4	0.6	46	46	ARGELIA (VALLE)
1016	Jul 26 2016	08:52:41.1	5.82	-73.71	107	1.1	0.3	247	8	PUENTE NACIONAL (SANTANDER)
1017	Jul 26 2016	09:07:29.2	0.48	-77.31	Sup	2.3	0.4	207	14	VALLE DEL GUAMUEZ (PUTUMAYO)
1018	Jul 26 2016	09:08:43.8	6.70	-73.37	119	1.0	0.4	159	8	GALAN (SANTANDER)
1019	Jul 26 2016	10:40: 0.9	6.76	-73.14	140	1.8	0.4	138	12	LOS SANTOS (SANTANDER)
1020	Jul 26 2016	12:07:10.5	8.53	-73.38	120	1.8	0.4	139	16	EL CARMEN (N.SANTANDER)
1021	Jul 26 2016	13:01:20.2	6.80	-73.13	147	2.1	0.4	120	24	LOS SANTOS (SANTANDER)
1022	Jul 26 2016	17:08:43.0	6.74	-73.13	146	1.5	0.4	234	10	LOS SANTOS (SANTANDER)
1023	Jul 26 2016	17:33:32.2	4.70	-76.31	111	1.8	0.5	132	26	EL CAIRO (VALLE)
1024	Jul 26 2016	18:01:36.7	6.53	-73.51	108	2.1	0.7	99	18	EL CARMEN (SANTANDER)
1025	Jul 26 2016	19:09:44.8	6.81	-73.17	146	1.6	0.3	145	8	ZAPATOCA (SANTANDER)
1026	Jul 26 2016	19:11: 4.3	2.37	-74.33	Sup	2.0	0.6	124	14	SAN VICENTE DEL CAGUAN (CAQUETA)
1027	Jul 26 2016	20:21:10.6	6.19	-74.84	Sup	1.1	0.5	138	8	SAN CARLOS (ANTIOQUIA)
1028	Jul 26 2016	22:34:25.0	6.75	-73.15	144	1.4	0.4	137	10	LOS SANTOS (SANTANDER)
1029	Jul 27 2016	00:23:27.3	3.71	-71.41	Sup	1.7	0.2	317	8	PUERTO GAITAN (META)
1030	Jul 27 2016	01:34:24.3	6.74	-73.23	148	1.5	0.2	212	12	ZAPATOCA (SANTANDER)
1031	Jul 27 2016	01:44: 6.7	6.79	-73.14	144	1.0	0.2	237	8	LOS SANTOS (SANTANDER)
1032	Jul 27 2016	01:45:46.4	6.32	-72.69	Sup	0.8	0.2	274	8	SOATA (BOYACA)
1033	Jul 27 2016	02:12:44.8	11.02	-73.53	40	1.8	0.3	144	8	PUEBLO BELLO (CESAR)
1034	Jul 27 2016	02:22:13.6	6.67	-73.21	150	1.5	0.2	208	12	BARICHARA (SANTANDER)
1035	Jul 27 2016	03:12:21.3	6.68	-73.17	124	0.8	0.3	226	10	VILLANUEVA (SANTANDER)
1036	Jul 27 2016	03:30: 9.3	6.82	-73.16	153	1.2	0.4	238	12	LOS SANTOS (SANTANDER)
1037	Jul 27 2016	04:21: 5.9	6.87	-72.98	147	1.2	0.3	257	8	CEPITA (SANTANDER)
1038	Jul 27 2016	04:36:34.2	6.69	-73.62	106	1.1	0.2	115	10	EL CARMEN (SANTANDER)
1039	Jul 27 2016	04:44:44.2	6.05	-73.66	117	2.3	0.4	64	38	CHIPATA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1040	Jul 27 2016	04:53: 1.3	6.27	-73.73	101	0.6	0.2	170	8	LANDAZURI (SANTANDER)
1041	Jul 27 2016	04:58:37.1	6.58	-73.16	148	1.1	0.2	220	10	SAN GIL (SANTANDER)
1042	Jul 27 2016	05:30:50.7	6.76	-73.14	138	1.6	0.4	209	28	LOS SANTOS (SANTANDER)
1043	Jul 27 2016	05:51:50.2	6.76	-73.17	148	1.6	0.3	232	26	LOS SANTOS (SANTANDER)
1044	Jul 27 2016	06:16:45.1	5.74	-73.88	111	2.6	0.4	52	48	ALBANIA (SANTANDER)
1045	Jul 27 2016	06:27:11.5	10.15	-72.86	20	1.6	0.4	195	10	FRONTERA CON VENEZUELA
1046	Jul 27 2016	06:37:17.9	6.76	-73.18	145	1.7	0.3	230	14	LOS SANTOS (SANTANDER)
1047	Jul 27 2016	08:29:53.8	6.15	-73.81	95	1.2	0.3	152	10	LANDAZURI (SANTANDER)
1048	Jul 27 2016	08:31:29.0	6.80	-73.15	150	1.4	0.5	247	10	LOS SANTOS (SANTANDER)
1049	Jul 27 2016	08:59:45.5	6.77	-73.17	154	1.1	0.4	232	10	LOS SANTOS (SANTANDER)
1050	Jul 27 2016	09:39:54.1	7.33	-73.23	136	1.7	0.1	260	8	RIONEGRO (SANTANDER)
1051	Jul 27 2016	10:36:25.6	7.11	-73.11	131	2.0	0.5	215	20	BUCARAMANGA (SANTANDER)
1052	Jul 27 2016	10:42:18.8	4.72	-75.17	Sup	1.3	0.3	143	12	SANTA ISABEL (TOLIMA)
1053	Jul 27 2016	10:55:57.7	6.85	-73.28	119	2.1	0.4	110	25	BETULIA (SANTANDER)
1054	Jul 27 2016	13:46: 0.6	6.86	-76.62	Sup	1.3	0.4	262	13	MURINDO (ANTIOQUIA)
1055	Jul 27 2016	15:19:15.7	4.82	-74.63	11	1.5	0.6	91	20	SAN JUAN DE RIOSECO (CUNDINAMARCA)
1056	Jul 27 2016	15:26:39.4	1.97	-75.94	Sup	1.9	0.3	117	17	TIMANA (HUILA)
1057	Jul 27 2016	15:32:50.0	6.36	-72.24	18	1.8	0.6	159	10	GUICAN (BOYACA)
1058	Jul 27 2016	16:44:29.6	6.76	-73.13	147	1.9	0.4	139	22	LOS SANTOS (SANTANDER)
1059	Jul 27 2016	17:12:57.4	7.01	-73.93	97	1.7	0.5	146	10	YONDO (ANTIOQUIA)
1060	Jul 27 2016	23:41:10.0	6.80	-73.15	143	3.1	0.5	102	45	LOS SANTOS (SANTANDER)
1061	Jul 28 2016	00:22:53.7	6.63	-73.09	150	1.7	0.5	232	18	CURITI (SANTANDER)
1062	Jul 28 2016	02:16:37.7	6.11	-73.64	110	1.3	0.3	179	13	CHIPATA (SANTANDER)
1063	Jul 28 2016	03:55:52.6	6.32	-73.48	121	1.7	0.5	72	24	CONTRATACION (SANTANDER)
1064	Jul 28 2016	04:10:28.0	6.07	-73.70	116	1.3	0.2	175	14	VELEZ (SANTANDER)
1065	Jul 28 2016	04:27:27.5	6.89	-73.11	154	1.7	0.4	249	14	PIEDECUUESTA (SANTANDER)
1066	Jul 28 2016	05:06: 1.4	5.98	-73.75	123	1.5	0.3	163	16	BOLIVAR (SANTANDER)
1067	Jul 28 2016	06:27:38.0	6.77	-73.11	141	2.1	0.2	142	24	LOS SANTOS (SANTANDER)
1068	Jul 28 2016	07:01:10.0	4.93	-76.01	97	0.7	0.2	133	7	EL AGUILA (VALLE)
1069	Jul 28 2016	07:13:33.7	6.52	-73.50	111	1.9	0.4	53	36	EL CARMEN (SANTANDER)
1070	Jul 28 2016	07:16: 2.8	6.54	-73.58	108	1.2	0.3	95	10	EL CARMEN (SANTANDER)
1071	Jul 28 2016	08:15: 9.4	6.71	-73.17	134	1.1	0.2	228	11	VILLANUEVA (SANTANDER)
1072	Jul 28 2016	09:05: 6.8	6.11	-76.76	23	1.5	0.3	228	16	MEDIO ATRATO (CHOCO)
1073	Jul 28 2016	10:58:29.5	6.82	-73.10	147	2.6	0.5	72	42	LOS SANTOS (SANTANDER)
1074	Jul 28 2016	11:22:14.5	6.76	-73.15	144	1.6	0.3	137	12	LOS SANTOS (SANTANDER)
1075	Jul 28 2016	11:34:36.7	2.25	-75.69	13	2.1	0.4	86	16	AGRADO (HUILA)
1076	Jul 28 2016	12:07:17.9	6.78	-73.11	148	2.6	0.4	68	38	LOS SANTOS (SANTANDER)
1077	Jul 28 2016	13:15:14.6	6.81	-73.09	147	2.0	0.4	143	16	LOS SANTOS (SANTANDER)
1078	Jul 28 2016	17:29:48.4	6.77	-73.09	144	1.9	0.2	145	12	LOS SANTOS (SANTANDER)
1079	Jul 28 2016	19:58:32.2	5.33	-76.50	41	1.2	0.2	230	8	TADO (CHOCO)
1080	Jul 28 2016	20:21:47.1	6.79	-73.17	143	2.2	0.3	134	18	LOS SANTOS (SANTANDER)
1081	Jul 28 2016	21:12:33.1	6.79	-73.15	142	1.6	0.5	136	8	LOS SANTOS (SANTANDER)
1082	Jul 28 2016	21:41:35.2	6.90	-73.13	134	1.6	0.4	282	8	PIEDECUUESTA (SANTANDER)
1083	Jul 28 2016	21:53:23.2	4.86	-75.82	63	2.0	0.5	74	18	LA VIRGINIA (RISARALDA)
1084	Jul 28 2016	23:32:57.7	6.78	-73.09	133	1.9	0.5	241	20	LOS SANTOS (SANTANDER)
1085	Jul 28 2016	23:41:44.0	6.68	-73.19	143	1.4	0.4	223	8	VILLANUEVA (SANTANDER)
1086	Jul 29 2016	00:18:36.1	5.28	-74.63	10	1.4	0.3	121	21	HONDA (TOLIMA)
1087	Jul 29 2016	01:00:58.7	5.26	-73.73	148	2.4	0.4	78	34	CUCUNUBA (CUNDINAMARCA)
1088	Jul 29 2016	01:08:43.5	6.74	-73.12	154	1.1	0.4	236	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1089	Jul 29 2016	01:13: 6.0	6.87	-73.13	150	1.6	0.3	133	16	LOS SANTOS (SANTANDER)
1090	Jul 29 2016	01:17:57.8	6.85	-73.07	151	1.5	0.4	143	10	LOS SANTOS (SANTANDER)
1091	Jul 29 2016	01:18:51.6	5.28	-76.21	92	2.1	0.4	125	32	PUEBLO RICO (RISARALDA)
1092	Jul 29 2016	02:57: 2.1	4.19	-76.28	132	1.7	0.5	156	17	RIOFRIO (VALLE)
1093	Jul 29 2016	03:02: 9.3	9.29	-74.82	Sup	1.9	0.3	125	10	MAGANGUE (BOLIVAR)
1094	Jul 29 2016	03:21:31.5	3.89	-76.19	149	2.0	0.5	96	32	BUGA (VALLE)
1095	Jul 29 2016	03:56:31.1	6.82	-73.31	120	1.2	0.2	206	10	ZAPATOCA (SANTANDER)
1096	Jul 29 2016	04:01:30.1	6.84	-73.23	120	1.6	0.4	230	20	ZAPATOCA (SANTANDER)
1097	Jul 29 2016	04:36:37.7	9.08	-77.88	69	3.6	0.6	147	0	MAR CARIBE PANAMA
1098	Jul 29 2016	04:36:37.7	9.08	-77.88	69	3.6	0.6	147	76	MAR CARIBE PANAMA
1099	Jul 29 2016	04:50:58.8	6.93	-74.45	12	1.1	0.4	113	10	REMEDIOS (ANTIOQUIA)
1100	Jul 29 2016	05:07:26.2	5.67	-76.97	32	1.3	0.2	184	8	ALTO BAUDO (CHOCO)
1101	Jul 29 2016	05:16:46.2	6.75	-73.15	146	1.5	0.2	233	10	LOS SANTOS (SANTANDER)
1102	Jul 29 2016	05:53:37.1	7.26	-71.97	Sup	1.5	0.5	303	14	FRONTERA CON VENEZUELA
1103	Jul 29 2016	06:09:40.6	6.78	-73.16	151	1.2	0.2	235	9	LOS SANTOS (SANTANDER)
1104	Jul 29 2016	06:54:59.0	8.08	-73.44	97	1.7	0.3	283	12	SAN MARTIN (CESAR)
1105	Jul 29 2016	06:56:15.1	5.91	-73.73	116	0.9	0.3	140	8	GUAVATA (SANTANDER)
1106	Jul 29 2016	07:53:46.2	6.35	-73.56	111	1.3	0.2	82	15	SANTA HELENA DEL OPO (SANTANDER)
1107	Jul 29 2016	09:14:55.7	4.67	-74.61	79	0.9	0.3	167	8	PULI (CUNDINAMARCA)
1108	Jul 29 2016	09:54:41.2	6.70	-73.15	140	1.1	0.3	241	8	VILLANUEVA (SANTANDER)
1109	Jul 29 2016	10:10:30.4	4.16	-76.28	106	1.1	0.4	163	8	RIOFRIO (VALLE)
1110	Jul 29 2016	10:47: 2.0	6.78	-73.09	152	1.6	0.4	242	10	LOS SANTOS (SANTANDER)
1111	Jul 29 2016	13:43:24.2	6.35	-73.52	119	2.5	0.5	72	33	CONTRATACION (SANTANDER)
1112	Jul 29 2016	13:58:43.8	6.79	-73.14	141	2.3	0.4	137	14	LOS SANTOS (SANTANDER)
1113	Jul 29 2016	14:49:18.0	6.75	-73.19	148	1.6	0.4	228	8	VILLANUEVA (SANTANDER)
1114	Jul 29 2016	16:06:23.8	6.82	-73.15	141	1.7	0.2	134	11	LOS SANTOS (SANTANDER)
1115	Jul 29 2016	16:54:49.6	3.20	-74.75	Sup	1.9	0.6	90	25	COLOMBIA (HUILA)
1116	Jul 29 2016	17:57: 3.2	8.23	-73.56	103	1.9	0.4	208	14	AGUACHICA (CESAR)
1117	Jul 29 2016	18:37: 6.2	6.76	-73.16	142	1.5	0.3	136	10	LOS SANTOS (SANTANDER)
1118	Jul 29 2016	19:19:15.2	5.25	-73.71	148	2.5	0.5	65	43	LENGUAZQUE (CUNDINAMARCA)
1119	Jul 29 2016	19:36:20.2	6.79	-73.15	139	1.8	0.2	135	14	LOS SANTOS (SANTANDER)
1120	Jul 29 2016	19:42:11.1	7.56	-74.21	29	1.6	0.4	180	14	SAN PABLO (BOLIVAR)
1121	Jul 29 2016	19:58: 8.3	6.78	-73.08	144	1.7	0.4	145	13	LOS SANTOS (SANTANDER)
1122	Jul 29 2016	20:21:27.5	4.76	-75.17	Sup	1.1	0.3	143	8	SANTA ISABEL (TOLIMA)
1123	Jul 29 2016	20:36:17.8	6.73	-73.15	151	1.6	0.3	139	13	LOS SANTOS (SANTANDER)
1124	Jul 29 2016	22:00:41.9	6.80	-73.14	149	2.3	0.4	137	31	LOS SANTOS (SANTANDER)
1125	Jul 29 2016	22:38:43.6	5.37	-75.84	Sup	1.6	0.4	118	16	GUATICA (RISARALDA)
1126	Jul 29 2016	23:03:21.6	7.43	-75.39	31	1.4	0.2	150	8	TARAZA (ANTIOQUIA)
1127	Jul 29 2016	23:19: 4.0	6.78	-73.14	143	2.2	0.4	137	26	LOS SANTOS (SANTANDER)
1128	Jul 29 2016	23:50:45.1	6.74	-73.17	147	1.5	0.4	230	8	LOS SANTOS (SANTANDER)
1129	Jul 30 2016	00:04:40.7	6.81	-73.14	150	3.0	0.4	71	58	LOS SANTOS (SANTANDER)
1130	Jul 30 2016	00:10:53.0	6.80	-73.14	146	2.2	0.4	120	40	LOS SANTOS (SANTANDER)
1131	Jul 30 2016	00:14:14.2	6.74	-73.10	143	1.8	0.4	104	38	LOS SANTOS (SANTANDER)
1132	Jul 30 2016	00:18:38.8	6.75	-73.09	143	1.7	0.4	145	18	LOS SANTOS (SANTANDER)
1133	Jul 30 2016	01:30:43.9	6.78	-73.08	144	1.9	0.4	98	28	LOS SANTOS (SANTANDER)
1134	Jul 30 2016	02:16:44.6	10.94	-73.90	23	1.3	0.3	141	8	PUEBLO BELLO (CESAR)
1135	Jul 30 2016	02:21: 2.1	4.54	-77.87	61	1.6	0.2	277	8	O. PACIFICO CENTRO
1136	Jul 30 2016	02:23: 1.0	4.56	-78.01	66	1.3	0.2	290	8	O. PACIFICO CENTRO
1137	Jul 30 2016	02:40:56.2	6.78	-73.14	140	1.9	0.4	137	34	LOS SANTOS (SANTANDER)
1138	Jul 30 2016	02:49:20.7	2.34	-75.56	Sup	2.4	0.6	61	44	GIGANTE (HUILA)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1139	Jul 30 2016	02:55:58.6	11.00	-74.03	16	1.7	0.6	121	11	PUEBLO BELLO (CESAR)
1140	Jul 30 2016	04:11: 4.7	7.46	-73.15	122	1.4	0.4	267	12	EL PLAYON (SANTANDER)
1141	Jul 30 2016	04:29:34.6	6.78	-73.19	154	1.1	0.3	230	8	ZAPATOCA (SANTANDER)
1142	Jul 30 2016	05:32:44.5	3.40	-74.76	Sup	2.0	0.7	133	36	COLOMBIA (HUILA)
1143	Jul 30 2016	05:41:13.6	6.93	-73.19	142	1.1	0.3	245	8	BETULIA (SANTANDER)
1144	Jul 30 2016	05:46:26.0	11.43	-74.63	18	1.6	0.1	264	8	MAR CARIBE
1145	Jul 30 2016	05:46:36.7	6.86	-72.27	Sup	1.2	0.4	212	8	CUBARA (BOYACA)
1146	Jul 30 2016	06:02:48.2	6.76	-73.12	147	1.4	0.2	237	10	LOS SANTOS (SANTANDER)
1147	Jul 30 2016	06:06:13.8	6.79	-73.11	152	1.6	0.6	222	22	LOS SANTOS (SANTANDER)
1148	Jul 30 2016	06:21:34.5	6.63	-77.84	8	2.0	0.5	226	20	O. PACIFICO NORTE
1149	Jul 30 2016	07:36:41.3	5.63	-74.35	Sup	0.7	0.4	160	8	LA VICTORIA (BOYACA)
1150	Jul 30 2016	07:55:19.1	6.45	-73.19	27	1.0	0.4	164	9	PARAMO (SANTANDER)
1151	Jul 30 2016	07:56:37.5	3.14	-78.95	22	1.4	0.3	299	11	O. PACIFICO SUR
1152	Jul 30 2016	08:04:29.8	3.90	-76.36	111	1.2	0.2	172	8	YOTOCO (VALLE)
1153	Jul 30 2016	08:04:37.9	6.81	-73.13	146	2.0	0.4	137	34	LOS SANTOS (SANTANDER)
1154	Jul 30 2016	08:08:26.0	6.81	-73.13	148	2.3	0.5	71	40	LOS SANTOS (SANTANDER)
1155	Jul 30 2016	08:23:51.4	3.90	-76.38	113	1.4	0.4	174	8	YOTOCO (VALLE)
1156	Jul 30 2016	08:34:13.5	5.23	-76.11	66	3.2	0.5	61	73	PUEBLO RICO (RISARALDA)
1157	Jul 30 2016	09:01:42.8	6.75	-73.15	147	1.5	0.4	233	10	LOS SANTOS (SANTANDER)
1158	Jul 30 2016	09:15: 2.0	5.25	-76.14	75	1.2	0.2	170	8	PUEBLO RICO (RISARALDA)
1159	Jul 30 2016	09:38:42.7	5.28	-73.76	149	1.3	0.4	168	12	CUCUNUBA (CUNDINAMARCA)
1160	Jul 30 2016	09:55:38.1	5.89	-75.48	Sup	0.9	0.5	126	8	MONTEBELLO (ANTIOQUIA)
1161	Jul 30 2016	10:12:24.9	6.79	-73.13	145	1.5	0.2	139	16	LOS SANTOS (SANTANDER)
1162	Jul 30 2016	10:17: 2.1	6.77	-73.18	141	1.2	0.3	274	9	LOS SANTOS (SANTANDER)
1163	Jul 30 2016	10:32:45.3	5.26	-76.13	69	1.4	0.3	169	18	PUEBLO RICO (RISARALDA)
1164	Jul 30 2016	10:33:47.0	5.24	-76.12	63	1.8	0.4	165	24	PUEBLO RICO (RISARALDA)
1165	Jul 30 2016	10:38: 6.0	5.89	-73.76	117	1.5	0.3	141	14	JESUS MARIA (SANTANDER)
1166	Jul 30 2016	12:04:25.4	6.74	-73.12	152	1.2	0.3	236	11	LOS SANTOS (SANTANDER)
1167	Jul 30 2016	12:07:16.7	6.77	-73.17	143	1.7	0.2	233	14	LOS SANTOS (SANTANDER)
1168	Jul 30 2016	12:27:10.6	6.71	-73.22	144	1.6	0.2	211	8	VILLANUEVA (SANTANDER)
1169	Jul 30 2016	12:27:51.6	6.78	-73.11	144	2.5	0.5	98	38	LOS SANTOS (SANTANDER)
1170	Jul 30 2016	13:05: 6.1	6.75	-73.13	133	1.7	0.4	140	18	LOS SANTOS (SANTANDER)
1171	Jul 30 2016	15:21:45.0	11.48	-72.29	Sup	2.2	0.4	182	8	MANAURE BALCON CESAR (CESAR)
1172	Jul 30 2016	15:29:16.9	7.57	-73.06	151	2.3	0.5	80	31	EL PLAYON (SANTANDER)
1173	Jul 30 2016	15:29:16.9	7.56	-73.06	151	2.3	0.5	77	33	EL PLAYON (SANTANDER)
1174	Jul 30 2016	16:24:40.7	6.76	-73.15	150	1.6	0.3	234	14	LOS SANTOS (SANTANDER)
1175	Jul 30 2016	19:40:34.9	6.83	-73.09	152	2.6	0.5	103	45	LOS SANTOS (SANTANDER)
1176	Jul 30 2016	19:55:13.7	11.51	-72.32	Sup	2.2	0.4	161	8	MANAURE BALCON CESAR (CESAR)
1177	Jul 30 2016	20:53:10.4	6.12	-73.59	123	1.5	0.3	229	8	LA PAZ (SANTANDER)
1178	Jul 30 2016	21:52: 8.8	7.55	-75.27	42	1.6	0.2	151	8	CACERES (ANTIOQUIA)
1179	Jul 30 2016	22:01:18.9	12.05	-72.10	Sup	2.7	0.4	275	8	MANAURE BALCON CESAR (CESAR)
1180	Jul 30 2016	23:41:24.0	6.79	-72.99	142	1.6	0.5	252	10	CEPITA (SANTANDER)
1181	Jul 31 2016	01:12:38.7	6.80	-73.12	143	2.1	0.4	101	32	LOS SANTOS (SANTANDER)
1182	Jul 31 2016	01:13:57.1	6.80	-73.12	149	2.5	0.4	72	46	LOS SANTOS (SANTANDER)
1183	Jul 31 2016	01:32:24.4	6.86	-73.08	140	1.7	0.4	248	22	LOS SANTOS (SANTANDER)
1184	Jul 31 2016	01:37:10.4	6.80	-73.05	143	1.4	0.3	247	8	LOS SANTOS (SANTANDER)
1185	Jul 31 2016	02:10:31.2	7.03	-72.14	Sup	1.6	0.3	107	14	CUBARA (BOYACA)
1186	Jul 31 2016	02:10:57.0	5.80	-76.55	21	1.2	0.5	270	10	QUIBDO (CHOCO)
1187	Jul 31 2016	02:12:20.0	7.16	-72.13	Sup	1.1	0.5	121	12	CUBARA (BOYACA)
1188	Jul 31 2016	02:35:54.4	7.15	-72.10	Sup	1.5	0.7	121	14	FRONTERA CON VENEZUELA

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1189	Jul 31 2016	03:03: 7.9	5.67	-76.73	13	1.2	0.6	268	10	QUIBDO (CHOCO)
1190	Jul 31 2016	03:53:19.4	6.29	-76.81	Sup	1.2	0.5	310	8	BOJAYA (CHOCO)
1191	Jul 31 2016	04:03:50.3	5.49	-77.06	67	1.9	0.4	126	20	ALTO BAUDO (CHOCO)
1192	Jul 31 2016	04:11: 1.2	6.70	-74.21	30	1.0	0.3	162	12	PUERTO PARRA (SANTANDER)
1193	Jul 31 2016	04:17:41.2	4.95	-72.86	Sup	2.4	0.7	100	36	MONTERREY (CASANARE)
1194	Jul 31 2016	05:16:33.3	8.25	-72.09	Sup	2.4	0.8	104	31	FRONTERA CON VENEZUELA
1195	Jul 31 2016	05:29:45.9	6.76	-73.11	145	1.5	0.3	142	14	LOS SANTOS (SANTANDER)
1196	Jul 31 2016	05:40:26.4	6.78	-73.13	145	1.4	0.3	237	14	LOS SANTOS (SANTANDER)
1197	Jul 31 2016	06:03:10.6	6.78	-73.04	141	1.2	0.3	151	15	LOS SANTOS (SANTANDER)
1198	Jul 31 2016	06:15: 6.6	7.34	-73.12	7	1.3	0.4	176	12	RIONEGRO (SANTANDER)
1199	Jul 31 2016	06:24:52.7	4.48	-75.68	Sup	0.8	0.4	99	12	ARMENIA (QUINDIO)
1200	Jul 31 2016	06:50:14.4	6.79	-73.23	121	1.5	0.4	121	12	ZAPATOCA (SANTANDER)
1201	Jul 31 2016	06:53:55.6	3.86	-71.37	Sup	1.6	0.4	264	7	PUERTO GAITAN (META)
1202	Jul 31 2016	09:27:48.3	6.82	-73.09	148	2.4	0.5	123	39	LOS SANTOS (SANTANDER)
1203	Jul 31 2016	10:09: 1.7	6.80	-73.11	145	1.3	0.3	140	12	LOS SANTOS (SANTANDER)
1204	Jul 31 2016	11:26:58.4	7.44	-75.31	30	2.3	0.4	81	21	CACERES (ANTIOQUIA)
1205	Jul 31 2016	11:54:11.4	7.26	-76.06	Sup	1.9	0.4	198	14	PEQUE (ANTIOQUIA)
1206	Jul 31 2016	13:56: 2.8	5.33	-73.77	152	1.8	0.5	231	10	UBATE (CUNDINAMARCA)
1207	Jul 31 2016	15:20: 6.6	8.58	-75.05	Sup	2.3	0.5	123	16	SAN MARCOS (SUCRE)
1208	Jul 31 2016	17:18:13.9	6.79	-73.09	143	1.5	0.3	143	7	LOS SANTOS (SANTANDER)
1209	Jul 31 2016	17:27:39.8	6.78	-73.09	141	1.7	0.6	169	7	LOS SANTOS (SANTANDER)
1210	Jul 31 2016	17:37:46.5	6.80	-73.14	147	2.3	0.4	102	31	LOS SANTOS (SANTANDER)
1211	Jul 31 2016	17:50:55.9	6.75	-73.09	141	1.6	0.3	146	8	LOS SANTOS (SANTANDER)
1212	Jul 31 2016	18:48: 9.9	6.70	-76.76	18	1.8	0.5	238	18	VIGIA DEL FUERTE (ANTIOQUIA)
1213	Jul 31 2016	19:00:18.7	6.81	-73.13	139	2.6	0.5	103	39	LOS SANTOS (SANTANDER)
1214	Jul 31 2016	19:13: 1.4	6.80	-73.11	147	2.4	0.5	140	28	LOS SANTOS (SANTANDER)
1215	Jul 31 2016	19:59:24.4	5.38	-72.85	Sup	1.8	0.1	173	8	AQUITANIA (BOYACA)
1216	Jul 31 2016	20:49:36.9	6.80	-73.15	138	1.3	0.2	135	12	LOS SANTOS (SANTANDER)
1217	Jul 31 2016	21:13:21.0	6.80	-73.16	143	2.7	0.4	134	33	LOS SANTOS (SANTANDER)
1218	Ago 1 2016	00:28:37.5	6.82	-73.15	149	1.5	0.3	135	16	LOS SANTOS (SANTANDER)
1219	Ago 1 2016	00:46:42.0	6.80	-73.16	149	1.6	0.3	135	18	LOS SANTOS (SANTANDER)
1220	Ago 1 2016	01:22:15.5	3.70	-76.97	23	0.8	0.2	145	7	BUENAVENTURA (VALLE)
1221	Ago 1 2016	02:12:14.7	6.70	-73.11	157	1.2	0.2	268	7	JORDAN (SANTANDER)
1222	Ago 1 2016	02:53:30.3	4.28	-73.84	9	1.2	0.6	102	12	QUETAME (CUNDINAMARCA)
1223	Ago 1 2016	04:05:16.4	5.90	-73.62	125	1.8	0.3	119	19	BARBOSA (SANTANDER)
1224	Ago 1 2016	06:09:42.3	4.91	-74.77	24	1.1	0.1	248	7	BELTRAN (CUNDINAMARCA)
1225	Ago 1 2016	06:34:32.1	4.89	-76.12	115	1.3	0.3	91	16	EL AGUILA (VALLE)
1226	Ago 1 2016	07:30:13.0	3.30	-74.31	Sup	1.4	0.3	213	8	URIBE (META)
1227	Ago 1 2016	08:22: 8.1	6.96	-76.43	Sup	1.4	0.4	250	12	DABEIBA (ANTIOQUIA)
1228	Ago 1 2016	09:43:30.5	6.06	-76.69	32	1.6	0.6	217	22	MEDIO ATRATO (CHOCO)
1229	Ago 1 2016	10:06:14.4	6.79	-73.12	154	3.3	0.5	54	72	LOS SANTOS (SANTANDER)
1230	Ago 1 2016	13:41: 3.9	5.40	-75.77	Sup	1.2	0.5	107	9	RIOSUCIO (CALDAS)
1231	Ago 1 2016	15:15:26.6	6.75	-73.18	144	1.6	0.3	230	8	LOS SANTOS (SANTANDER)
1232	Ago 1 2016	17:03:53.8	4.96	-75.98	113	2.1	0.5	99	30	BALBOA (RISARALDA)
1233	Ago 1 2016	17:55:23.2	6.72	-73.33	122	1.5	0.4	178	8	GALAN (SANTANDER)
1234	Ago 1 2016	18:33:16.9	2.36	-75.55	16	1.5	0.3	195	11	GIGANTE (HUILA)
1235	Ago 1 2016	19:02: 5.6	6.79	-73.10	147	2.0	0.5	122	19	LOS SANTOS (SANTANDER)
1236	Ago 1 2016	19:52:57.7	6.81	-73.13	150	3.3	0.5	53	60	LOS SANTOS (SANTANDER)
1237	Ago 1 2016	20:50:36.3	5.24	-76.60	64	2.1	0.4	123	13	UNION PANAMERICANA (CHOCO)
1238	Ago 1 2016	20:54: 8.5	6.81	-73.13	150	3.5	0.7	53	66	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1239	Ago 1 2016	21:31: 3.9	6.81	-73.14	145	2.7	0.5	73	45	LOS SANTOS (SANTANDER)
1240	Ago 1 2016	21:36:50.5	6.85	-73.28	118	2.1	0.4	109	23	ZAPATOCA (SANTANDER)
1241	Ago 1 2016	21:43: 1.2	6.77	-73.08	140	2.0	0.5	146	17	LOS SANTOS (SANTANDER)
1242	Ago 1 2016	22:37: 8.8	6.76	-73.21	148	1.5	0.4	226	8	ZAPATOCA (SANTANDER)
1243	Ago 2 2016	00:23:28.7	6.78	-73.11	152	1.4	0.3	140	14	LOS SANTOS (SANTANDER)
1244	Ago 2 2016	00:24:27.4	6.81	-73.10	147	2.2	0.3	102	30	LOS SANTOS (SANTANDER)
1245	Ago 2 2016	00:31: 8.1	6.77	-73.09	146	1.7	0.4	124	18	LOS SANTOS (SANTANDER)
1246	Ago 2 2016	00:38:24.9	2.24	-77.91	81	2.6	0.6	99	24	SANTA BARBARA (NARINO)
1247	Ago 2 2016	00:39:49.2	7.19	-76.22	Sup	1.6	0.4	236	12	DABEIBA (ANTIOQUIA)
1248	Ago 2 2016	00:41:36.5	6.43	-76.52	Sup	2.3	0.5	131	28	URRAO (ANTIOQUIA)
1249	Ago 2 2016	02:57:43.7	6.86	-73.13	154	3.5	0.6	66	62	LOS SANTOS (SANTANDER)
1250	Ago 2 2016	03:49:52.3	6.81	-73.13	152	2.5	0.5	53	42	LOS SANTOS (SANTANDER)
1251	Ago 2 2016	04:33:19.2	6.82	-73.09	148	2.4	0.4	122	36	LOS SANTOS (SANTANDER)
1252	Ago 2 2016	06:20:13.8	2.30	-75.42	19	1.3	0.3	102	10	GIGANTE (HUILA)
1253	Ago 2 2016	06:21:32.6	4.06	-74.00	Sup	1.3	0.2	178	8	GUTIERREZ (CUNDINAMARCA)
1254	Ago 2 2016	06:43:24.7	5.19	-76.13	78	0.9	0.1	164	10	PUEBLO RICO (RISARALDA)
1255	Ago 2 2016	07:22:51.4	5.40	-74.59	Sup	1.1	0.5	126	16	PUERTO SALGAR (CUNDINAMARCA)
1256	Ago 2 2016	07:34:53.6	5.41	-74.58	Sup	1.0	0.4	125	12	PUERTO SALGAR (CUNDINAMARCA)
1257	Ago 2 2016	07:38:44.4	6.72	-73.03	144	1.3	0.2	244	8	ARATOCA (SANTANDER)
1258	Ago 2 2016	07:40:52.9	6.83	-73.13	155	1.6	0.3	137	10	LOS SANTOS (SANTANDER)
1259	Ago 2 2016	08:00:44.0	6.73	-73.16	150	1.5	0.2	230	8	VILLANUEVA (SANTANDER)
1260	Ago 2 2016	09:00:51.5	6.81	-73.03	142	1.5	0.4	250	14	CEPITA (SANTANDER)
1261	Ago 2 2016	09:30:37.3	6.79	-73.12	145	2.1	0.5	139	32	LOS SANTOS (SANTANDER)
1262	Ago 2 2016	11:11:12.5	4.28	-76.82	51	2.2	0.3	159	11	SIPI (CHOCO)
1263	Ago 2 2016	12:38:23.5	1.71	-75.29	12	1.5	0.2	91	9	EL DONCELLO (CAQUETA)
1264	Ago 2 2016	14:01:30.6	6.52	-74.11	10	2.9	0.4	55	41	PUERTO PARRA (SANTANDER)
1265	Ago 2 2016	14:15:11.1	5.00	-78.43	32	3.3	0.8	80	53	O. PACIFICO CENTRO
1266	Ago 2 2016	14:54:16.7	7.36	-73.45	117	1.6	0.2	176	9	SABANA DE TORRES (SANTANDER)
1267	Ago 2 2016	15:36:56.6	6.68	-73.16	147	1.6	0.3	246	8	VILLANUEVA (SANTANDER)
1268	Ago 2 2016	16:58:47.8	5.24	-72.88	Sup	2.1	0.4	156	16	CHAMEZA (CASANARE)
1269	Ago 2 2016	18:01:41.5	6.32	-74.35	9	1.3	0.4	105	14	PUERTO BERRIO (ANTIOQUIA)
1270	Ago 2 2016	18:28: 3.3	6.75	-73.17	148	1.6	0.2	240	7	LOS SANTOS (SANTANDER)
1271	Ago 2 2016	19:03:36.4	6.82	-73.15	138	1.8	0.3	134	12	LOS SANTOS (SANTANDER)
1272	Ago 2 2016	21:46:10.2	6.82	-73.11	146	2.0	0.5	126	16	LOS SANTOS (SANTANDER)
1273	Ago 2 2016	22:02: 6.2	5.21	-73.71	144	1.9	0.2	164	14	CUCUNUBA (CUNDINAMARCA)
1274	Ago 2 2016	23:57:20.4	6.79	-73.15	146	2.2	0.3	100	16	LOS SANTOS (SANTANDER)
1275	Ago 3 2016	00:49:51.5	5.32	-76.50	23	1.6	0.4	229	18	TADO (CHOCO)
1276	Ago 3 2016	01:14:57.6	6.45	-76.74	35	1.2	0.2	232	12	VIGIA DEL FUERTE (ANTIOQUIA)
1277	Ago 3 2016	03:03:27.4	6.80	-73.09	150	1.6	0.3	243	14	LOS SANTOS (SANTANDER)
1278	Ago 3 2016	03:15:38.1	6.74	-73.16	147	1.3	0.2	231	12	LOS SANTOS (SANTANDER)
1279	Ago 3 2016	03:32:11.3	5.56	-76.18	46	0.8	0.2	202	8	BETANIA (ANTIOQUIA)
1280	Ago 3 2016	04:10:20.4	7.71	-74.29	Sup	1.8	0.5	125	22	SANTA ROSA DEL SUR (BOLIVAR)
1281	Ago 3 2016	04:19: 4.2	6.80	-73.06	150	2.3	0.5	72	44	LOS SANTOS (SANTANDER)
1282	Ago 3 2016	04:29:49.6	6.83	-73.13	147	2.3	0.5	70	38	LOS SANTOS (SANTANDER)
1283	Ago 3 2016	05:13:54.1	7.17	-73.30	116	1.8	0.4	203	17	LEBRIJA (SANTANDER)
1284	Ago 3 2016	05:19:59.6	2.25	-75.44	23	0.8	0.4	171	8	GIGANTE (HUILA)
1285	Ago 3 2016	07:17:57.1	6.77	-73.07	149	1.4	0.4	243	14	LOS SANTOS (SANTANDER)
1286	Ago 3 2016	07:54:33.9	6.02	-76.12	52	1.3	0.2	247	10	EL CARMEN (CHOCO)
1287	Ago 3 2016	08:02:46.8	6.79	-73.13	143	1.4	0.2	139	15	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1288	Ago 3 2016	08:10: 7.0	6.80	-73.08	148	1.2	0.2	245	12	LOS SANTOS (SANTANDER)
1289	Ago 3 2016	08:56:28.9	10.21	-74.14	Sup	2.0	0.4	124	16	ALGARROBO (MAGDALENA)
1290	Ago 3 2016	09:21:53.0	11.46	-73.13	13	2.9	0.7	184	40	MAR CARIBE
1291	Ago 3 2016	09:56:14.7	7.43	-73.17	131	1.5	0.2	189	10	EL PLAYON (SANTANDER)
1292	Ago 3 2016	10:46:45.3	6.73	-73.14	144	1.7	0.4	160	10	JORDAN (SANTANDER)
1293	Ago 3 2016	11:51:28.5	6.80	-73.14	140	2.0	0.5	137	15	LOS SANTOS (SANTANDER)
1294	Ago 3 2016	12:14: 7.6	8.61	-73.85	105	2.2	0.4	110	28	RIOVIEJO (BOLIVAR)
1295	Ago 3 2016	13:39:53.6	6.76	-73.16	154	1.6	0.4	241	9	LOS SANTOS (SANTANDER)
1296	Ago 3 2016	14:18: 4.5	5.62	-76.01	21	2.4	0.6	116	24	BETANIA (ANTIOQUIA)
1297	Ago 3 2016	16:50:44.6	6.81	-73.16	148	3.0	0.4	70	55	LOS SANTOS (SANTANDER)
1298	Ago 3 2016	17:38:22.6	6.80	-73.11	145	2.2	0.4	141	21	LOS SANTOS (SANTANDER)
1299	Ago 3 2016	17:46:28.4	6.80	-73.14	146	2.5	0.4	102	28	LOS SANTOS (SANTANDER)
1300	Ago 3 2016	18:06:54.4	6.79	-73.12	149	1.9	0.4	140	20	LOS SANTOS (SANTANDER)
1301	Ago 3 2016	18:49: 7.2	6.81	-73.12	146	2.5	0.5	103	35	LOS SANTOS (SANTANDER)
1302	Ago 3 2016	19:05: 8.6	5.13	-74.78	15	1.1	0.2	195	7	HONDA (TOLIMA)
1303	Ago 3 2016	19:18: 4.6	5.58	-74.30	100	2.0	0.6	106	24	LA VICTORIA (BOYACA)
1304	Ago 3 2016	20:42:32.1	5.40	-76.22	91	1.9	0.3	198	14	BAGADO (CHOCO)
1305	Ago 3 2016	21:57:10.1	6.73	-73.13	144	1.4	0.5	141	8	LOS SANTOS (SANTANDER)
1306	Ago 3 2016	22:15: 7.2	6.77	-73.12	148	1.8	0.3	141	12	LOS SANTOS (SANTANDER)
1307	Ago 3 2016	23:06:11.8	6.77	-73.11	143	2.0	0.4	98	26	LOS SANTOS (SANTANDER)
<u>1308</u>	<u>Ago 4 2016</u>	<u>00:55:13.1</u>	<u>6.67</u>	<u>-76.62</u>	<u>Sup</u>	<u>3.6</u>	<u>0.4</u>	<u>75</u>	<u>78</u>	<u>VIGIA DEL FUERTE (ANTIOQUIA)</u>
1309	Ago 4 2016	01:00:57.0	6.80	-73.11	141	2.1	0.4	140	29	LOS SANTOS (SANTANDER)
1310	Ago 4 2016	01:37:40.3	6.92	-73.35	109	1.4	0.2	217	7	BETULIA (SANTANDER)
1311	Ago 4 2016	02:16:31.9	8.19	-75.47	18	1.8	0.4	193	8	BUENAVISTA (CORDOBA)
1312	Ago 4 2016	02:26:47.6	4.72	-73.29	Sup	1.8	0.6	104	10	SANTA MARIA (BOYACA)
1313	Ago 4 2016	02:31:54.5	4.05	-76.64	64	1.3	0.2	112	12	CALIMA (VALLE)
1314	Ago 4 2016	02:54:42.0	6.76	-73.14	144	1.7	0.4	121	14	LOS SANTOS (SANTANDER)
1315	Ago 4 2016	04:01: 8.3	6.76	-73.06	145	1.8	0.4	105	21	LOS SANTOS (SANTANDER)
1316	Ago 4 2016	05:14:25.4	10.28	-73.25	103	2.6	0.6	93	25	SAN DIEGO (CESAR)
1317	Ago 4 2016	05:36:26.2	6.74	-73.10	142	1.6	0.1	188	8	LOS SANTOS (SANTANDER)
1318	Ago 4 2016	05:49: 5.4	6.22	-73.66	93	1.1	0.3	211	7	LA PAZ (SANTANDER)
1319	Ago 4 2016	05:53:55.8	6.83	-73.14	143	1.7	0.2	281	9	LOS SANTOS (SANTANDER)
1320	Ago 4 2016	06:27: 1.2	3.20	-79.11	36	1.3	0.2	312	7	O. PACIFICO SUR
1321	Ago 4 2016	07:00:51.9	3.14	-75.91	Sup	1.1	0.5	101	12	PLANADAS (TOLIMA)
1322	Ago 4 2016	07:35:45.6	6.74	-73.11	144	1.7	0.4	143	17	LOS SANTOS (SANTANDER)
1323	Ago 4 2016	07:44:21.6	6.83	-73.31	120	1.8	0.3	106	16	ZAPATOCA (SANTANDER)
1324	Ago 4 2016	08:01:18.3	6.82	-73.16	149	1.4	0.4	133	11	LOS SANTOS (SANTANDER)
1325	Ago 4 2016	09:13:53.3	6.76	-73.15	141	1.2	0.2	137	7	LOS SANTOS (SANTANDER)
1326	Ago 4 2016	11:02:38.7	7.07	-72.86	139	1.6	0.5	159	10	SANTA BARBARA (SANTANDER)
1327	Ago 4 2016	11:31:50.6	5.74	-73.95	104	1.7	0.3	125	22	TUNUNGUA (BOYACA)
1328	Ago 4 2016	11:40:49.6	12.62	-73.19	32	2.0	0.1	272	8	MAR CARIBE
1329	Ago 4 2016	11:52:25.1	2.05	-76.11	Sup	1.6	0.4	133	17	SALADOBLANCO (HUILA)
1330	Ago 4 2016	13:23:43.7	11.07	-73.36	55	1.7	0.2	148	10	PUEBLO BELLO (CESAR)
1331	Ago 4 2016	13:36:28.5	6.78	-73.09	143	1.8	0.3	144	17	LOS SANTOS (SANTANDER)
1332	Ago 4 2016	13:37:42.4	6.78	-73.11	142	2.2	0.3	141	28	LOS SANTOS (SANTANDER)
1333	Ago 4 2016	13:43: 7.1	6.83	-73.11	145	1.6	0.3	138	12	LOS SANTOS (SANTANDER)
1334	Ago 4 2016	13:52:54.1	6.80	-75.79	Sup	2.2	0.7	103	28	SABANALARGA (ANTIOQUIA)
1335	Ago 4 2016	17:31:46.9	5.64	-73.97	105	1.4	0.2	131	12	PAUNA (BOYACA)
1336	Ago 4 2016	17:50:46.5	6.79	-73.14	146	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
1337	Ago 4 2016	18:27:40.0	2.05	-75.92	22	1.0	0.1	134	8	ELIAS (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1338	Ago 4 2016	18:29:45.0	4.73	-73.30	Sup	2.4	0.4	101	20	SANTA MARIA (BOYACA)
1339	Ago 4 2016	18:34:43.7	10.24	-74.86	22	2.0	0.3	172	12	CONCORDIA (MAGDALENA)
1340	Ago 4 2016	18:43:33.8	3.62	-74.32	Sup	2.2	0.5	87	23	LEJANIAS (META)
1341	Ago 4 2016	19:07: 9.0	6.74	-73.10	144	2.3	0.3	75	28	LOS SANTOS (SANTANDER)
1342	Ago 4 2016	21:49:47.9	6.77	-73.10	140	1.9	0.4	143	12	LOS SANTOS (SANTANDER)
1343	Ago 4 2016	22:34:26.7	6.76	-73.10	144	2.0	0.4	143	18	LOS SANTOS (SANTANDER)
1344	Ago 5 2016	00:28:57.5	6.79	-73.10	146	1.6	0.3	141	16	LOS SANTOS (SANTANDER)
1345	Ago 5 2016	01:17:15.4	6.78	-73.10	150	1.7	0.3	123	22	LOS SANTOS (SANTANDER)
1346	Ago 5 2016	01:35:48.8	6.96	-73.08	159	1.5	0.2	134	16	PIEDECUUESTA (SANTANDER)
1347	Ago 5 2016	01:38:44.0	6.77	-73.09	151	1.6	0.3	144	20	LOS SANTOS (SANTANDER)
1348	Ago 5 2016	01:45:37.1	7.06	-73.44	168	1.3	0.3	151	8	SAN VICENTE DE CHUCURI (SANTANDER)
1349	Ago 5 2016	01:58:45.5	6.03	-74.37	45	1.0	0.2	178	8	PUERTO BOYACA (BOYACA)
1350	Ago 5 2016	02:14:49.0	7.28	-72.32	79	1.3	0.3	290	10	TOLEDO (N.SANTANDER)
1351	Ago 5 2016	02:41:12.7	6.07	-73.84	99	1.7	0.4	97	26	EL PENON (SANTANDER)
1352	Ago 5 2016	02:58:59.7	11.22	-73.43	Sup	1.7	0.4	165	10	PUEBLO BELLO (CESAR)
1353	Ago 5 2016	03:14:44.4	6.76	-73.12	152	1.5	0.5	141	12	LOS SANTOS (SANTANDER)
1354	Ago 5 2016	04:06:42.8	8.06	-74.29	Sup	2.3	0.8	106	38	SANTA ROSA DEL SUR (BOLIVAR)
1355	Ago 5 2016	04:38:14.1	6.81	-73.13	149	1.8	0.3	138	21	LOS SANTOS (SANTANDER)
1356	Ago 5 2016	04:43: 6.9	5.60	-74.34	88	3.8	0.8	42	0	LA VICTORIA (BOYACA)
1357	Ago 5 2016	04:43: 6.9	5.60	-74.34	88	3.8	0.8	42	77	LA VICTORIA (BOYACA)
1358	Ago 5 2016	04:49:50.7	6.55	-73.48	113	1.4	0.2	105	10	EL CARMEN (SANTANDER)
1359	Ago 5 2016	05:25:51.4	6.80	-73.05	146	2.1	0.4	105	34	LOS SANTOS (SANTANDER)
1360	Ago 5 2016	05:40:35.0	5.16	-75.55	Sup	1.1	0.3	173	7	NEIRA (CALDAS)
1361	Ago 5 2016	05:50: 9.4	6.79	-73.10	150	1.6	0.4	142	20	LOS SANTOS (SANTANDER)
1362	Ago 5 2016	06:10:41.6	6.09	-77.66	Sup	2.0	0.3	282	16	O. PACIFICO NORTE
1363	Ago 5 2016	06:34:43.8	6.84	-73.09	154	0.9	0.3	247	10	LOS SANTOS (SANTANDER)
1364	Ago 5 2016	06:36:46.9	6.86	-73.03	135	0.9	0.2	253	10	PIEDECUUESTA (SANTANDER)
1365	Ago 5 2016	07:06:33.0	6.35	-73.59	10	1.2	0.2	180	10	SANTA HELENA DEL OPON (SANTANDER)
1366	Ago 5 2016	07:12:47.3	6.75	-76.39	Sup	1.0	0.2	239	9	URAMITA (ANTIOQUIA)
1367	Ago 5 2016	07:21:46.0	6.80	-73.13	142	1.4	0.2	138	12	LOS SANTOS (SANTANDER)
1368	Ago 5 2016	07:28: 8.2	6.77	-73.10	142	1.8	0.2	143	24	LOS SANTOS (SANTANDER)
1369	Ago 5 2016	07:41:11.0	6.79	-73.10	150	1.8	0.4	143	22	LOS SANTOS (SANTANDER)
1370	Ago 5 2016	07:50:25.9	6.85	-73.19	123	1.0	0.3	237	8	ZAPATOCA (SANTANDER)
1371	Ago 5 2016	07:52: 6.5	6.79	-73.09	150	1.0	0.1	242	8	LOS SANTOS (SANTANDER)
1372	Ago 5 2016	07:59:59.6	4.17	-77.84	25	1.3	0.4	281	8	O. PACIFICO CENTRO
1373	Ago 5 2016	08:09:46.8	6.78	-73.15	145	1.2	0.2	136	12	LOS SANTOS (SANTANDER)
1374	Ago 5 2016	08:37:30.6	6.80	-73.12	147	1.3	0.2	139	12	LOS SANTOS (SANTANDER)
1375	Ago 5 2016	08:53:38.1	5.18	-74.72	Sup	1.4	0.4	64	24	HONDA (TOLIMA)
1376	Ago 5 2016	09:07:11.8	6.71	-73.31	142	1.6	0.3	178	15	GALAN (SANTANDER)
1377	Ago 5 2016	09:33:50.2	7.50	-73.74	8	1.6	0.3	190	10	SAN PABLO (BOLIVAR)
1378	Ago 5 2016	10:03:34.1	4.34	-75.45	182	1.9	0.5	93	22	CAJAMARCA (TOLIMA)
1379	Ago 5 2016	10:14: 0.6	6.77	-73.17	149	1.4	0.4	134	11	LOS SANTOS (SANTANDER)
1380	Ago 5 2016	10:58:56.8	6.69	-73.17	152	1.3	0.5	137	9	VILLANUEVA (SANTANDER)
1381	Ago 5 2016	11:00: 5.6	6.83	-73.16	150	2.4	0.5	118	30	LOS SANTOS (SANTANDER)
1382	Ago 5 2016	11:36: 6.1	6.81	-73.13	147	1.6	0.4	137	12	LOS SANTOS (SANTANDER)
1383	Ago 5 2016	12:06:47.7	6.77	-73.19	149	1.4	0.3	230	8	ZAPATOCA (SANTANDER)
1384	Ago 5 2016	12:16:35.0	5.26	-73.72	143	2.4	0.5	93	36	LENGUAZQUE (CUNDINAMARCA)
1385	Ago 5 2016	13:06:52.0	6.77	-73.12	149	2.2	0.4	121	25	LOS SANTOS (SANTANDER)
1386	Ago 5 2016	13:22:27.8	6.80	-73.13	149	2.4	0.4	72	31	LOS SANTOS (SANTANDER)
1387	Ago 5 2016	14:43:26.8	6.75	-73.13	144	1.6	0.3	159	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1388	Ago 5 2016	15:08: 6.1	6.80	-73.16	151	1.6	0.3	145	7	LOS SANTOS (SANTANDER)
1389	Ago 5 2016	15:21: 3.2	6.98	-77.07	8	1.9	0.4	124	13	MURINDO (ANTIOQUIA)
1390	Ago 5 2016	15:49:19.3	5.64	-74.34	81	1.4	0.2	160	8	LA VICTORIA (BOYACA)
1391	Ago 5 2016	16:59:23.2	6.83	-73.12	154	2.2	0.4	121	26	LOS SANTOS (SANTANDER)
1392	Ago 5 2016	18:13:28.5	5.65	-72.74	Sup	1.6	0.5	182	14	MONGUA (BOYACA)
1393	Ago 5 2016	20:18:31.2	6.86	-73.37	115	2.0	0.4	109	20	SAN VICENTE DE CHUCURI (SANTANDER)
1394	Ago 5 2016	20:27:38.2	7.47	-74.27	68	1.6	0.3	172	13	SAN PABLO (BOLIVAR)
1395	Ago 5 2016	20:48:43.7	6.76	-73.21	145	1.5	0.1	236	8	ZAPATOCA (SANTANDER)
1396	Ago 5 2016	21:21:31.6	5.29	-74.69	27	1.2	0.6	176	8	HONDA (TOLIMA)
1397	Ago 5 2016	23:09:42.8	6.15	-73.79	100	1.6	0.4	99	15	LANDAZURI (SANTANDER)
1398	Ago 5 2016	23:18: 1.0	6.71	-73.21	138	1.3	0.3	230	8	VILLANUEVA (SANTANDER)
1399	Ago 6 2016	01:03:25.7	8.82	-73.54	Sup	1.7	0.4	122	16	PAILITAS (CESAR)
1400	Ago 6 2016	01:10:56.9	5.27	-73.75	147	2.1	0.4	76	32	CUCUNUBA (CUNDINAMARCA)
1401	Ago 6 2016	01:32:19.2	4.66	-76.17	96	1.9	0.9	95	18	ARGELIA (VALLE)
1402	Ago 6 2016	01:40:30.3	6.80	-71.96	Sup	2.3	0.4	118	32	SARAVENA (ARAUCA)
1403	Ago 6 2016	01:46: 3.1	6.74	-73.07	154	1.5	0.4	149	16	JORDAN (SANTANDER)
1404	Ago 6 2016	01:50:38.5	6.94	-75.33	14	1.9	0.5	134	24	CAMPAMENTO (ANTIOQUIA)
1405	Ago 6 2016	02:16: 9.3	6.76	-73.17	144	1.2	0.3	135	12	LOS SANTOS (SANTANDER)
1406	Ago 6 2016	02:29:26.9	7.42	-73.18	126	1.1	0.0	268	8	EL PLAYON (SANTANDER)
1407	Ago 6 2016	02:40:25.5	6.89	-73.08	147	1.0	0.3	284	8	PIEDRECUESTA (SANTANDER)
1408	Ago 6 2016	03:23:12.8	6.79	-73.12	150	1.5	0.4	140	20	LOS SANTOS (SANTANDER)
1409	Ago 6 2016	03:35:24.6	6.73	-73.13	154	1.0	0.2	234	8	JORDAN (SANTANDER)
1410	Ago 6 2016	03:59:38.8	6.31	-73.38	120	0.5	0.3	155	8	CHIMA (SANTANDER)
1411	Ago 6 2016	04:26:35.8	6.83	-73.16	147	1.7	0.5	133	24	LOS SANTOS (SANTANDER)
1412	Ago 6 2016	04:42: 7.9	5.41	-73.82	141	1.4	0.4	155	18	FUQUENE (CUNDINAMARCA)
1413	Ago 6 2016	05:01:29.4	6.77	-73.07	140	1.1	0.2	243	10	LOS SANTOS (SANTANDER)
1414	Ago 6 2016	05:08: 1.7	6.79	-73.12	148	1.1	0.2	240	12	LOS SANTOS (SANTANDER)
1415	Ago 6 2016	05:42:49.6	5.44	-75.22	109	2.9	0.3	89	37	PENSILVANIA (CALDAS)
1416	Ago 6 2016	05:58:53.2	6.77	-73.13	146	1.3	0.4	139	12	LOS SANTOS (SANTANDER)
1417	Ago 6 2016	06:08:49.7	10.74	-72.65	95	2.0	0.3	177	14	FRONTERA CON VENEZUELA
1418	Ago 6 2016	06:35:44.2	6.79	-73.16	146	1.2	0.2	134	11	LOS SANTOS (SANTANDER)
1419	Ago 6 2016	08:57:10.5	6.76	-73.14	144	1.1	0.2	139	8	LOS SANTOS (SANTANDER)
1420	Ago 6 2016	09:06:40.7	5.72	-74.56	Sup	1.0	0.4	91	18	PUERTO TRIUNFO (ANTIOQUIA)
1421	Ago 6 2016	09:09:56.3	5.61	-73.98	102	1.2	0.3	133	14	PAUNA (BOYACA)
1422	Ago 6 2016	09:17:41.9	6.78	-73.16	149	1.1	0.2	135	7	LOS SANTOS (SANTANDER)
1423	Ago 6 2016	09:26: 2.9	7.84	-72.73	Sup	2.8	0.5	169	22	SANTIAGO (N.SANTANDER)
1424	Ago 6 2016	10:06:28.7	6.78	-73.14	149	1.5	0.3	138	18	LOS SANTOS (SANTANDER)
1425	Ago 6 2016	12:17:28.7	6.80	-73.15	152	2.7	0.4	70	29	LOS SANTOS (SANTANDER)
1426	Ago 6 2016	12:17:51.9	5.04	-75.91	114	2.5	0.3	104	26	VITERBO (CALDAS)
1427	Ago 6 2016	14:34:43.7	4.39	-75.87	149	2.1	0.4	92	20	CAICEDONIA (VALLE)
1428	Ago 6 2016	15:05:20.5	10.51	-73.15	102	2.8	0.5	90	40	LA PAZ (CESAR)
1429	Ago 6 2016	15:15:20.3	6.84	-73.15	143	1.9	0.3	133	22	LOS SANTOS (SANTANDER)
1430	Ago 6 2016	17:58:18.6	11.78	-73.43	94	1.7	0.1	221	7	MAR CARIBE
1431	Ago 6 2016	18:10: 9.6	6.80	-73.34	121	1.8	0.4	100	19	ZAPATOCA (SANTANDER)
1432	Ago 6 2016	18:35:33.5	6.26	-75.77	Sup	1.3	0.4	118	10	EBEJICO (ANTIOQUIA)
1433	Ago 6 2016	19:09: 1.5	5.87	-73.67	120	1.0	0.2	154	10	PUENTE NACIONAL (SANTANDER)
1434	Ago 6 2016	19:26:32.0	3.82	-71.47	Sup	2.2	0.4	260	12	PUERTO GAITAN (META)
1435	Ago 6 2016	19:31:48.3	6.81	-73.13	147	2.1	0.4	137	24	LOS SANTOS (SANTANDER)
1436	Ago 6 2016	20:00:36.4	6.77	-73.16	143	1.5	0.2	135	14	LOS SANTOS (SANTANDER)
1437	Ago 6 2016	21:06:53.4	6.77	-73.13	145	1.8	0.3	140	17	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1438	Ago 6 2016	21:20:39.3	6.48	-76.78	Sup	1.3	0.4	276	8	VIGIA DEL FUERTE (ANTIOQUIA)
1439	Ago 6 2016	21:43:51.8	6.80	-73.13	145	1.8	0.4	137	18	LOS SANTOS (SANTANDER)
1440	Ago 6 2016	21:47:57.5	6.79	-73.15	140	1.9	0.5	135	18	LOS SANTOS (SANTANDER)
1441	Ago 6 2016	22:02:36.8	2.48	-75.72	Sup	1.7	0.3	174	8	TESALIA (HUILA)
1442	Ago 6 2016	22:25:12.4	6.79	-73.18	143	1.4	0.4	132	13	ZAPATOCA (SANTANDER)
1443	Ago 6 2016	22:42:54.9	6.66	-73.17	143	1.3	0.4	139	10	VILLANUEVA (SANTANDER)
1444	Ago 6 2016	23:00:24.4	6.78	-73.17	147	1.5	0.4	134	10	LOS SANTOS (SANTANDER)
1445	Ago 7 2016	00:34:12.6	6.75	-73.15	157	1.7	0.3	234	12	LOS SANTOS (SANTANDER)
1446	Ago 7 2016	00:37:20.9	6.73	-73.20	149	1.5	0.3	226	8	VILLANUEVA (SANTANDER)
1447	Ago 7 2016	00:52:18.5	2.39	-75.53	23	1.1	0.2	142	7	GIGANTE (HUILA)
1448	Ago 7 2016	01:11:24.7	7.21	-73.14	138	1.7	0.3	145	16	RIONEGRO (SANTANDER)
1449	Ago 7 2016	01:18:49.8	5.94	-74.13	Sup	1.1	0.4	163	8	LA BELLEZA (SANTANDER)
1450	Ago 7 2016	01:19:10.9	5.30	-76.50	41	1.3	0.3	228	9	TADO (CHOCO)
1451	Ago 7 2016	01:38:13.8	6.52	-73.59	19	1.6	0.4	68	14	SANTA HELENA DEL OPON (SANTANDER)
1452	Ago 7 2016	01:44: 9.5	6.71	-73.15	147	1.4	0.5	230	9	VILLANUEVA (SANTANDER)
1453	Ago 7 2016	02:18:43.8	6.80	-73.13	148	1.8	0.3	138	14	LOS SANTOS (SANTANDER)
1454	Ago 7 2016	03:15:48.3	6.82	-73.15	148	2.5	0.5	70	51	LOS SANTOS (SANTANDER)
1455	Ago 7 2016	03:20:58.7	6.77	-73.12	142	1.6	0.3	161	12	LOS SANTOS (SANTANDER)
1456	Ago 7 2016	03:32:26.6	6.69	-73.14	143	1.6	0.3	229	8	VILLANUEVA (SANTANDER)
1457	Ago 7 2016	04:18:47.7	3.86	-76.37	133	2.2	0.5	86	31	YOTOCO (VALLE)
1458	Ago 7 2016	04:23:46.8	6.79	-73.13	148	2.2	0.5	120	30	LOS SANTOS (SANTANDER)
1459	Ago 7 2016	04:28: 7.5	6.89	-76.26	Sup	0.9	0.4	220	5	URAMITA (ANTIOQUIA)
1460	Ago 7 2016	04:33:24.3	6.89	-76.21	Sup	1.3	0.5	192	10	URAMITA (ANTIOQUIA)
1461	Ago 7 2016	04:37:43.8	6.88	-76.20	Sup	1.9	0.3	174	18	URAMITA (ANTIOQUIA)
1462	Ago 7 2016	05:12:23.3	6.88	-76.28	Sup	1.7	0.6	224	15	URAMITA (ANTIOQUIA)
1463	Ago 7 2016	05:33:11.8	6.82	-73.13	159	1.2	0.2	256	9	LOS SANTOS (SANTANDER)
1464	Ago 7 2016	05:35:42.1	6.88	-76.23	Sup	3.1	0.5	76	44	URAMITA (ANTIOQUIA)
1465	Ago 7 2016	05:37: 8.5	6.87	-76.16	Sup	1.7	0.4	171	10	URAMITA (ANTIOQUIA)
1466	Ago 7 2016	05:43:10.6	6.88	-76.20	Sup	1.2	0.4	188	10	URAMITA (ANTIOQUIA)
1467	Ago 7 2016	05:44:11.0	6.89	-76.21	Sup	2.7	0.4	115	30	URAMITA (ANTIOQUIA)
1468	Ago 7 2016	05:45:29.9	6.79	-73.12	143	2.1	0.6	103	17	LOS SANTOS (SANTANDER)
1469	Ago 7 2016	06:08: 7.6	6.87	-76.24	Sup	2.0	0.6	205	23	URAMITA (ANTIOQUIA)
1470	Ago 7 2016	06:09:45.1	6.88	-76.18	Sup	2.0	0.6	168	24	URAMITA (ANTIOQUIA)
1471	Ago 7 2016	06:22:18.2	6.31	-74.13	25	0.9	0.1	147	8	CIMITARRA (SANTANDER)
1472	Ago 7 2016	06:49:17.1	6.88	-76.23	Sup	1.2	0.5	202	8	URAMITA (ANTIOQUIA)
1473	Ago 7 2016	06:51:19.5	6.88	-76.20	Sup	2.3	0.4	177	24	URAMITA (ANTIOQUIA)
1474	Ago 7 2016	06:55:24.1	6.93	-76.32	8	1.6	0.2	250	13	DABEIBA (ANTIOQUIA)
1475	Ago 7 2016	07:02:14.7	6.78	-76.82	15	1.9	0.5	265	10	VIGIA DEL FUERTE (ANTIOQUIA)
1476	Ago 7 2016	07:13:28.3	6.80	-73.18	156	1.4	0.3	240	8	ZAPATOCA (SANTANDER)
1477	Ago 7 2016	07:15: 2.8	6.88	-76.24	Sup	1.4	0.6	205	13	URAMITA (ANTIOQUIA)
1478	Ago 7 2016	07:21:44.5	6.88	-76.23	Sup	1.3	0.6	204	12	URAMITA (ANTIOQUIA)
1479	Ago 7 2016	07:53:45.0	6.89	-76.20	Sup	1.8	0.6	188	18	URAMITA (ANTIOQUIA)
1480	Ago 7 2016	07:58:19.1	6.76	-73.19	144	1.7	0.2	229	14	ZAPATOCA (SANTANDER)
1481	Ago 7 2016	08:19: 2.4	6.91	-76.23	Sup	2.8	0.5	174	25	URAMITA (ANTIOQUIA)
<u>1482</u>	<u>Ago 7 2016</u>	<u>08:20:10.8</u>	<u>6.92</u>	<u>-76.28</u>	<u>Sup</u>	<u>3.9</u>	<u>0.5</u>	<u>68</u>	<u>95</u>	<u>DABEIBA (ANTIOQUIA)</u>
1483	Ago 7 2016	08:26:48.9	6.92	-76.21	Sup	2.8	0.4	192	25	URAMITA (ANTIOQUIA)
1484	Ago 7 2016	08:27:55.4	6.91	-76.22	Sup	3.2	0.5	174	26	URAMITA (ANTIOQUIA)
1485	Ago 7 2016	08:31:13.7	6.87	-76.23	Sup	1.8	0.6	201	14	URAMITA (ANTIOQUIA)
1486	Ago 7 2016	08:31:40.8	6.89	-76.23	Sup	2.0	0.3	205	11	URAMITA (ANTIOQUIA)
1487	Ago 7 2016	08:34:32.5	6.87	-76.20	Sup	2.1	0.6	178	21	URAMITA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1488	Ago 7 2016	08:34:32.6	6.89	-76.19	Sup	2.2	0.6	169	17	URAMITA (ANTIOQUIA)
1489	Ago 7 2016	08:36:28.7	6.86	-76.25	Sup	0.8	0.6	209	8	URAMITA (ANTIOQUIA)
1490	Ago 7 2016	08:38:19.4	6.87	-76.28	Sup	1.2	0.6	221	10	URAMITA (ANTIOQUIA)
1491	Ago 7 2016	08:39:48.3	6.88	-76.23	Sup	1.6	0.3	204	10	URAMITA (ANTIOQUIA)
1492	Ago 7 2016	08:40:30.3	6.90	-76.21	Sup	3.1	0.6	126	56	URAMITA (ANTIOQUIA)
1493	Ago 7 2016	08:48:56.1	6.90	-76.19	Sup	1.6	0.8	169	17	URAMITA (ANTIOQUIA)
1494	Ago 7 2016	08:56:54.8	6.88	-76.22	Sup	1.4	0.5	200	12	URAMITA (ANTIOQUIA)
1495	Ago 7 2016	08:59:22.1	6.89	-76.20	Sup	2.1	0.6	178	24	URAMITA (ANTIOQUIA)
1496	Ago 7 2016	08:59:22.1	6.89	-76.20	Sup	2.1	0.6	178	24	URAMITA (ANTIOQUIA)
1497	Ago 7 2016	09:09:25.2	6.88	-76.24	Sup	1.4	0.6	196	16	URAMITA (ANTIOQUIA)
1498	Ago 7 2016	09:11:35.9	6.89	-76.20	Sup	1.5	0.4	173	16	URAMITA (ANTIOQUIA)
1499	Ago 7 2016	09:12:28.7	6.90	-76.25	Sup	1.7	0.6	199	16	URAMITA (ANTIOQUIA)
1500	Ago 7 2016	09:16:59.4	6.89	-76.17	Sup	0.4	0.3	172	8	URAMITA (ANTIOQUIA)
1501	Ago 7 2016	09:18:34.2	6.90	-76.25	13	1.1	0.3	212	7	URAMITA (ANTIOQUIA)
1502	Ago 7 2016	09:18:53.3	6.87	-76.28	Sup	1.0	0.3	222	7	URAMITA (ANTIOQUIA)
1503	Ago 7 2016	09:50:28.2	6.88	-76.22	Sup	2.5	0.7	185	28	URAMITA (ANTIOQUIA)
1504	Ago 7 2016	09:56:1.4	6.90	-76.27	Sup	3.1	0.6	54	79	DABEIBA (ANTIOQUIA)
1505	Ago 7 2016	10:23:13.8	6.85	-76.32	Sup	1.3	0.6	264	8	DABEIBA (ANTIOQUIA)
1506	Ago 7 2016	10:32:38.6	6.91	-76.15	Sup	0.8	0.4	157	8	URAMITA (ANTIOQUIA)
1507	Ago 7 2016	10:39:36.2	3.68	-76.84	29	1.0	0.5	132	8	DAGUA (VALLE)
1508	Ago 7 2016	10:48:37.5	7.29	-74.96	36	1.6	0.5	93	19	ZARAGOZA (ANTIOQUIA)
1509	Ago 7 2016	10:48:37.4	7.29	-74.95	38	1.6	0.5	92	17	ZARAGOZA (ANTIOQUIA)
1510	Ago 7 2016	10:51:45.8	6.94	-76.28	Sup	2.3	0.5	127	35	DABEIBA (ANTIOQUIA)
1511	Ago 7 2016	10:58: 8.9	3.30	-76.50	18	1.6	0.2	175	8	JAMUNDI (VALLE)
1512	Ago 7 2016	10:58: 9.0	3.28	-76.44	14	1.6	0.3	168	8	PUERTO TEJADA (CAUCA)
1513	Ago 7 2016	10:58:43.6	6.88	-76.26	Sup	1.1	0.4	217	11	URAMITA (ANTIOQUIA)
1514	Ago 7 2016	10:58:44.7	6.94	-76.13	Sup	1.0	0.3	141	8	URAMITA (ANTIOQUIA)
1515	Ago 7 2016	11:05:51.6	6.80	-73.13	148	2.9	0.5	54	65	LOS SANTOS (SANTANDER)
1516	Ago 7 2016	11:21:14.1	6.90	-76.17	17	1.1	0.4	171	7	URAMITA (ANTIOQUIA)
1517	Ago 7 2016	11:21:56.4	6.90	-76.12	Sup	1.3	0.4	147	12	URAMITA (ANTIOQUIA)
1518	Ago 7 2016	11:44:52.6	2.27	-75.69	12	2.0	0.3	85	22	AGRADO (HUILA)
1519	Ago 7 2016	12:21:24.0	6.10	-73.48	113	1.4	0.5	115	14	SUAITA (SANTANDER)
1520	Ago 7 2016	12:27:36.6	6.29	-73.68	100	1.3	0.5	87	14	SANTA HELENA DEL OPO (SANTANDER)
1521	Ago 7 2016	12:56:33.2	6.88	-76.24	Sup	2.4	0.6	191	25	URAMITA (ANTIOQUIA)
1522	Ago 7 2016	13:02:54.4	6.82	-76.26	Sup	1.1	0.4	209	8	URAMITA (ANTIOQUIA)
1523	Ago 7 2016	13:10: 6.9	6.89	-76.39	15	1.2	0.8	258	9	DABEIBA (ANTIOQUIA)
1524	Ago 7 2016	13:13:34.8	6.80	-73.16	135	2.0	0.5	245	12	LOS SANTOS (SANTANDER)
1525	Ago 7 2016	13:33:31.7	6.78	-73.11	148	1.7	0.3	240	14	LOS SANTOS (SANTANDER)
1526	Ago 7 2016	13:53:30.2	6.88	-76.24	Sup	1.2	0.8	207	12	URAMITA (ANTIOQUIA)
1527	Ago 7 2016	14:08:27.5	6.90	-76.26	Sup	1.6	0.5	218	18	URAMITA (ANTIOQUIA)
1528	Ago 7 2016	15:04:31.7	6.78	-73.06	144	1.6	0.3	275	8	LOS SANTOS (SANTANDER)
1529	Ago 7 2016	16:13:22.5	6.89	-76.24	Sup	1.9	0.6	97	27	URAMITA (ANTIOQUIA)
1530	Ago 7 2016	17:25:54.8	6.76	-73.24	121	1.3	0.4	212	8	ZAPATOCA (SANTANDER)
1531	Ago 7 2016	17:56:11.0	6.82	-73.12	146	1.6	0.4	138	13	LOS SANTOS (SANTANDER)
1532	Ago 7 2016	18:33:13.6	6.75	-73.15	144	1.8	0.4	137	18	LOS SANTOS (SANTANDER)
1533	Ago 7 2016	18:53:39.4	6.88	-76.27	Sup	1.2	0.6	220	10	URAMITA (ANTIOQUIA)
1534	Ago 7 2016	19:06: 1.4	7.88	-73.14	139	1.5	0.4	244	10	CACHIRA (N.SANTANDER)
1535	Ago 7 2016	20:22:23.6	10.26	-73.10	116	2.9	0.3	135	18	SAN DIEGO (CESAR)
1536	Ago 7 2016	20:48:13.8	6.78	-73.14	146	1.4	0.2	137	9	LOS SANTOS (SANTANDER)
1537	Ago 7 2016	22:00:41.4	6.77	-73.18	142	1.2	0.2	133	6	LOS SANTOS (SANTANDER)
1538	Ago 7 2016	22:06:49.8	6.84	-73.15	139	1.3	0.4	133	10	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1539	Ago 7 2016	22:11:28.7	4.75	-76.35	106	2.2	0.3	144	20	EL CAIRO (VALLE)
1540	Ago 7 2016	23:05:10.0	6.19	-73.67	108	1.6	0.3	159	14	LA PAZ (SANTANDER)
1541	Ago 7 2016	23:28:14.3	6.76	-73.13	139	1.7	0.3	140	12	LOS SANTOS (SANTANDER)
1542	Ago 8 2016	00:33:11.4	5.51	-74.58	Sup	2.1	0.6	83	28	PUERTO SALGAR (CUNDINAMARCA)
1543	Ago 8 2016	01:21:37.2	6.87	-76.20	Sup	1.5	0.5	187	12	URAMITA (ANTIOQUIA)
1544	Ago 8 2016	02:06: 4.8	6.88	-76.20	Sup	1.4	0.5	190	12	URAMITA (ANTIOQUIA)
1545	Ago 8 2016	02:28: 5.7	6.70	-73.23	143	1.2	0.3	219	8	BARICHARA (SANTANDER)
1546	Ago 8 2016	02:38:24.1	6.75	-73.18	140	1.4	0.5	230	12	LOS SANTOS (SANTANDER)
1547	Ago 8 2016	03:05:46.4	6.92	-76.29	Sup	1.5	0.4	235	12	DABEIBA (ANTIOQUIA)
1548	Ago 8 2016	03:43:40.5	5.50	-74.58	Sup	2.1	0.4	83	32	PUERTO SALGAR (CUNDINAMARCA)
1549	Ago 8 2016	03:59:42.2	6.78	-73.15	150	1.6	0.5	235	16	LOS SANTOS (SANTANDER)
1550	Ago 8 2016	04:26:55.1	6.76	-73.21	150	1.3	0.4	224	9	ZAPATOCA (SANTANDER)
1551	Ago 8 2016	04:36: 8.4	5.01	-76.29	75	1.0	0.3	196	8	SAN JOSE DEL PALMAR (CHOCO)
1552	Ago 8 2016	04:42:15.8	2.68	-79.82	Sup	2.5	0.3	244	25	O. PACIFICO SUR
1553	Ago 8 2016	04:52:49.8	6.79	-73.07	150	1.8	0.4	244	14	LOS SANTOS (SANTANDER)
1554	Ago 8 2016	05:08:11.4	6.70	-73.17	143	1.7	0.4	227	14	VILLANUEVA (SANTANDER)
1555	Ago 8 2016	05:11: 2.6	7.34	-73.85	99	1.3	0.4	220	11	PUERTO WILCHES (SANTANDER)
1556	Ago 8 2016	05:19:38.1	6.89	-76.26	Sup	1.3	0.5	219	12	URAMITA (ANTIOQUIA)
1557	Ago 8 2016	05:33:47.1	5.28	-76.32	59	2.0	0.4	125	22	BAGADO (CHOCO)
1558	Ago 8 2016	05:45: 1.7	6.76	-73.15	146	1.4	0.4	233	12	LOS SANTOS (SANTANDER)
1559	Ago 8 2016	05:59:11.2	6.79	-73.13	143	3.1	0.5	72	50	LOS SANTOS (SANTANDER)
1560	Ago 8 2016	06:02:56.3	3.50	-76.45	99	1.4	0.2	180	10	YUMBO (VALLE)
1561	Ago 8 2016	06:20:25.3	5.49	-74.57	Sup	2.3	0.6	84	41	PUERTO SALGAR (CUNDINAMARCA)
1562	Ago 8 2016	09:25:34.1	6.81	-73.17	146	2.2	0.5	133	30	LOS SANTOS (SANTANDER)
1563	Ago 8 2016	10:09:45.0	11.47	-74.24	8	2.4	0.4	258	10	MAR CARIBE
1564	Ago 8 2016	13:50:53.6	6.15	-73.49	118	1.3	0.4	170	7	SAN BENITO (SANTANDER)
1565	Ago 8 2016	14:31: 1.0	6.81	-73.16	144	1.7	0.4	237	18	LOS SANTOS (SANTANDER)
1566	Ago 8 2016	16:04:44.9	6.77	-73.08	154	1.8	0.4	242	10	LOS SANTOS (SANTANDER)
1567	Ago 8 2016	17:10:24.9	2.40	-75.33	22	1.9	0.5	101	14	ALGECIRAS (HUILA)
1568	Ago 8 2016	18:11:16.6	2.20	-75.71	12	1.2	0.2	109	7	AGRADO (HUILA)
1569	Ago 8 2016	18:43:18.7	5.27	-73.74	143	2.7	0.4	131	36	CUCUNUBA (CUNDINAMARCA)
1570	Ago 8 2016	19:15:48.0	2.19	-75.71	11	1.6	0.2	108	8	AGRADO (HUILA)
1571	Ago 8 2016	19:30:25.0	6.80	-73.17	141	1.8	0.4	133	14	LOS SANTOS (SANTANDER)
1572	Ago 8 2016	21:07: 1.7	6.78	-73.14	146	1.9	0.4	137	22	LOS SANTOS (SANTANDER)
1573	Ago 8 2016	21:18:11.0	6.78	-73.14	135	1.9	0.4	137	14	LOS SANTOS (SANTANDER)
1574	Ago 8 2016	21:24:56.8	6.89	-76.25	Sup	2.1	0.5	200	20	URAMITA (ANTIOQUIA)
1575	Ago 8 2016	21:33: 5.5	4.89	-76.37	85	2.5	0.5	107	38	SAN JOSE DEL PALMAR (CHOCO)
1576	Ago 8 2016	21:50:47.2	6.88	-76.29	Sup	1.8	0.5	229	18	DABEIBA (ANTIOQUIA)
1577	Ago 8 2016	23:16:57.4	6.78	-73.13	145	1.7	0.4	138	18	LOS SANTOS (SANTANDER)
1578	Ago 9 2016	01:50: 8.5	6.79	-73.12	140	2.0	0.5	140	26	LOS SANTOS (SANTANDER)
1579	Ago 9 2016	02:02:10.8	6.68	-76.64	10	1.2	0.5	264	10	VIGIA DEL FUERTE (ANTIOQUIA)
1580	Ago 9 2016	02:15:51.2	6.80	-73.18	144	1.3	0.4	233	9	ZAPATOCA (SANTANDER)
1581	Ago 9 2016	02:58:35.4	6.49	-73.54	111	1.4	0.5	128	14	SANTA HELENA DEL OPO (SANTANDER)
1582	Ago 9 2016	03:19:29.6	6.76	-73.09	144	1.8	0.4	240	16	LOS SANTOS (SANTANDER)
1583	Ago 9 2016	03:24:11.9	6.75	-73.19	138	1.4	0.4	228	10	VILLANUEVA (SANTANDER)
1584	Ago 9 2016	03:37:23.0	7.99	-73.25	7	2.4	0.4	133	30	ABREGO (N.SANTANDER)
1585	Ago 9 2016	03:54:58.9	6.75	-73.19	141	1.6	0.4	229	14	VILLANUEVA (SANTANDER)
1586	Ago 9 2016	04:48:30.6	6.81	-73.10	145	1.2	0.5	243	10	LOS SANTOS (SANTANDER)
1587	Ago 9 2016	04:55:59.8	4.90	-76.24	106	1.4	0.4	102	18	SAN JOSE DEL PALMAR (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1588	Ago 9 2016	04:57: 1.3	4.64	-76.22	118	1.6	0.5	154	12	VERSALLES (VALLE)
1589	Ago 9 2016	06:18:52.0	6.79	-73.15	149	1.7	0.4	236	12	LOS SANTOS (SANTANDER)
1590	Ago 9 2016	06:23:19.7	6.75	-73.14	146	1.2	0.5	234	10	LOS SANTOS (SANTANDER)
1591	Ago 9 2016	06:31:11.2	6.90	-73.24	144	1.5	0.2	275	10	BETULIA (SANTANDER)
1592	Ago 9 2016	07:58: 9.1	6.79	-73.14	148	1.6	0.4	237	14	LOS SANTOS (SANTANDER)
1593	Ago 9 2016	08:04: 5.0	8.31	-75.07	12	1.6	0.3	164	8	AYAPEL (CORDOBA)
1594	Ago 9 2016	08:15:11.1	6.17	-73.68	110	1.1	0.4	101	10	LA PAZ (SANTANDER)
1595	Ago 9 2016	08:27:16.6	6.52	-73.51	114	1.2	0.2	193	7	EL CARMEN (SANTANDER)
1596	Ago 9 2016	08:35: 8.6	6.06	-73.71	114	1.9	0.5	75	28	VELEZ (SANTANDER)
1597	Ago 9 2016	08:51:25.3	5.53	-74.59	6	1.0	0.3	182	10	PUERTO SALGAR (CUNDINAMARCA)
1598	Ago 9 2016	08:56:47.5	3.75	-77.01	24	1.6	0.5	121	16	BUENAVENTURA (VALLE)
1599	Ago 9 2016	09:03:25.7	5.51	-74.59	Sup	1.4	0.5	137	16	PUERTO SALGAR (CUNDINAMARCA)
1600	Ago 9 2016	09:21:12.1	6.80	-73.17	145	3.2	0.5	69	61	LOS SANTOS (SANTANDER)
1601	Ago 9 2016	09:57:25.8	6.80	-73.14	147	2.9	0.6	54	57	LOS SANTOS (SANTANDER)
1602	Ago 9 2016	10:24:14.0	6.64	-76.75	68	1.9	0.5	112	18	VIGIA DEL FUERTE (ANTIOQUIA)
1603	Ago 9 2016	10:26:25.6	6.76	-73.14	138	2.3	0.4	66	38	LOS SANTOS (SANTANDER)
1604	Ago 9 2016	11:04:48.9	6.85	-73.00	148	1.7	0.5	255	10	CEPITA (SANTANDER)
1605	Ago 9 2016	11:04:50.0	6.83	-73.09	145	1.7	0.4	246	10	LOS SANTOS (SANTANDER)
1606	Ago 9 2016	11:41:26.4	6.73	-73.14	145	1.5	0.2	242	8	LOS SANTOS (SANTANDER)
1607	Ago 9 2016	11:51:12.3	6.80	-73.18	129	1.5	0.4	234	8	ZAPATOCA (SANTANDER)
1608	Ago 9 2016	14:02:31.3	6.51	-73.55	101	1.9	0.4	131	12	SANTA HELENA DEL OPON (SANTANDER)
1609	Ago 9 2016	14:30:36.3	6.88	-73.14	131	1.6	0.4	247	8	LOS SANTOS (SANTANDER)
1610	Ago 9 2016	16:07:57.3	6.79	-73.16	146	3.6	0.5	71	66	LOS SANTOS (SANTANDER)
1611	Ago 9 2016	17:41:41.8	2.79	-77.02	Sup	2.7	0.7	99	26	LOPEZ (CAUCA)
1612	Ago 9 2016	18:43:48.3	6.79	-73.14	145	2.4	0.4	137	26	LOS SANTOS (SANTANDER)
1613	Ago 9 2016	19:50:18.8	6.80	-73.14	133	1.8	0.4	136	12	LOS SANTOS (SANTANDER)
1614	Ago 9 2016	20:23: 9.1	6.21	-73.75	94	1.5	0.3	122	12	LANDAZURI (SANTANDER)
1615	Ago 9 2016	22:25:17.0	6.73	-73.16	145	1.7	0.4	230	10	VILLANUEVA (SANTANDER)
1616	Ago 9 2016	23:02:19.1	8.28	-73.52	106	2.7	0.5	77	43	AGUACHICA (CESAR)
1617	Ago 10 2016	00:04: 7.3	6.73	-73.09	138	1.5	0.4	146	9	JORDAN (SANTANDER)
1618	Ago 10 2016	00:11:41.5	4.62	-76.16	119	1.6	0.3	141	8	VERSALLES (VALLE)
1619	Ago 10 2016	01:04:46.7	6.77	-73.12	145	1.4	0.1	237	8	LOS SANTOS (SANTANDER)
1620	Ago 10 2016	01:22:16.5	5.34	-76.25	92	1.3	0.2	201	8	BAGADO (CHOCO)
1621	Ago 10 2016	03:50: 0.8	6.77	-73.16	145	1.9	0.5	135	18	LOS SANTOS (SANTANDER)
1622	Ago 10 2016	05:14: 6.4	6.81	-73.13	150	2.7	0.6	120	48	LOS SANTOS (SANTANDER)
1623	Ago 10 2016	07:32:33.8	6.76	-73.16	147	1.5	0.4	232	10	LOS SANTOS (SANTANDER)
1624	Ago 10 2016	07:47:57.0	6.82	-73.22	149	1.3	0.3	230	7	ZAPATOCA (SANTANDER)
1625	Ago 10 2016	08:21:29.9	4.35	-76.31	102	1.1	0.3	180	8	BOLIVAR (VALLE)
1626	Ago 10 2016	09:25:46.8	8.92	-73.59	92	1.8	0.3	136	16	PAILITAS (CESAR)
1627	Ago 10 2016	09:49:30.5	6.77	-73.13	151	2.0	0.5	236	24	LOS SANTOS (SANTANDER)
1628	Ago 10 2016	15:58:56.3	6.76	-73.30	124	1.4	0.4	246	8	ZAPATOCA (SANTANDER)
1629	Ago 10 2016	17:02:25.6	6.83	-73.15	148	3.3	0.6	64	60	LOS SANTOS (SANTANDER)
1630	Ago 10 2016	17:31:18.2	6.79	-73.15	146	2.1	0.4	136	24	LOS SANTOS (SANTANDER)
1631	Ago 10 2016	17:53:52.8	6.80	-73.17	142	2.4	0.3	133	30	LOS SANTOS (SANTANDER)
1632	Ago 10 2016	18:22:12.9	2.85	-74.81	Sup	1.7	0.3	130	10	BARAYA (HUILA)
1633	Ago 10 2016	20:54:45.3	5.61	-74.36	93	3.4	0.6	40	78	YACOPI (CUNDINAMARCA)
1634	Ago 10 2016	21:22:49.1	6.81	-73.12	152	2.0	0.5	139	22	LOS SANTOS (SANTANDER)
1635	Ago 10 2016	21:58:56.5	6.84	-73.20	146	1.6	0.1	127	10	ZAPATOCA (SANTANDER)
1636	Ago 10 2016	22:04:13.3	6.88	-76.25	Sup	1.7	0.4	210	16	URAMITA (ANTIOQUIA)
1637	Ago 10 2016	22:05:25.1	6.94	-74.65	Sup	3.2	0.6	81	56	REMEDIOS (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1638	Ago 10 2016	23:17:22.1	2.38	-75.39	18	1.3	0.4	99	12	GIGANTE (HUILA)
1639	Ago 11 2016	00:51:30.8	6.79	-73.13	148	1.7	0.3	138	14	LOS SANTOS (SANTANDER)
1640	Ago 11 2016	01:04:42.6	6.02	-76.08	82	1.2	0.4	243	7	SALGAR (ANTIOQUIA)
1641	Ago 11 2016	02:41:32.2	5.28	-73.74	148	1.6	0.5	168	14	CUCUNUBA (CUNDINAMARCA)
1642	Ago 11 2016	03:50:55.5	6.81	-73.13	143	2.2	0.4	169	21	LOS SANTOS (SANTANDER)
1643	Ago 11 2016	04:33:48.4	6.70	-73.93	75	1.3	0.4	158	10	PUERTO PARRA (SANTANDER)
1644	Ago 11 2016	04:55:17.9	6.89	-76.56	Sup	1.1	0.4	259	8	MURINDO (ANTIOQUIA)
1645	Ago 11 2016	05:54:10.6	6.78	-73.11	143	1.4	0.5	240	11	LOS SANTOS (SANTANDER)
1646	Ago 11 2016	06:30:30.1	6.64	-73.53	109	1.3	0.3	119	11	EL CARMEN (SANTANDER)
1647	Ago 11 2016	06:33:15.4	6.88	-76.26	Sup	1.0	0.6	214	10	URAMITA (ANTIOQUIA)
1648	Ago 11 2016	06:37:47.4	6.83	-73.12	145	1.9	0.5	243	20	LOS SANTOS (SANTANDER)
1649	Ago 11 2016	06:55:12.7	4.97	-76.15	99	1.2	0.4	127	10	SAN JOSE DEL PALMAR (CHOCO)
1650	Ago 11 2016	07:47:38.8	6.74	-73.13	144	1.7	0.4	141	15	LOS SANTOS (SANTANDER)
1651	Ago 11 2016	08:10:40.4	6.75	-73.14	146	1.4	0.4	235	11	LOS SANTOS (SANTANDER)
1652	Ago 11 2016	08:37:54.2	7.53	-73.54	105	2.3	0.4	99	38	SABANA DE TORRES (SANTANDER)
1653	Ago 11 2016	08:44:58.6	6.80	-73.18	142	1.5	0.2	233	12	ZAPATOCA (SANTANDER)
1654	Ago 11 2016	09:07:26.3	5.66	-73.95	110	1.5	0.4	130	16	PAUNA (BOYACA)
1655	Ago 11 2016	10:25:25.7	6.79	-73.14	144	2.0	0.4	120	20	LOS SANTOS (SANTANDER)
1656	Ago 11 2016	10:27:32.9	6.69	-73.18	146	1.7	0.4	224	12	VILLANUEVA (SANTANDER)
1657	Ago 11 2016	11:32:53.2	6.71	-73.14	147	1.6	0.1	230	7	VILLANUEVA (SANTANDER)
1658	Ago 11 2016	11:43:51.5	6.81	-73.18	145	2.3	0.4	131	34	ZAPATOCA (SANTANDER)
1659	Ago 11 2016	13:49: 0.4	6.79	-73.13	131	1.9	0.4	238	14	LOS SANTOS (SANTANDER)
1660	Ago 11 2016	14:17:33.2	6.79	-73.14	146	2.4	0.5	120	32	LOS SANTOS (SANTANDER)
1661	Ago 11 2016	15:00: 0.1	6.76	-73.08	138	1.8	0.3	146	14	LOS SANTOS (SANTANDER)
1662	Ago 11 2016	15:25:14.7	6.70	-73.16	147	1.4	0.2	239	7	VILLANUEVA (SANTANDER)
1663	Ago 11 2016	15:37:16.4	6.79	-73.16	144	1.8	0.4	235	16	LOS SANTOS (SANTANDER)
1664	Ago 11 2016	15:59: 7.7	4.96	-74.64	Sup	1.6	0.3	212	10	CHAGUANI (CUNDINAMARCA)
1665	Ago 11 2016	16:14:51.9	6.74	-73.15	144	1.7	0.3	138	12	LOS SANTOS (SANTANDER)
1666	Ago 11 2016	17:28:47.1	6.52	-75.95	25	1.6	0.4	149	12	CAICEDO (ANTIOQUIA)
1667	Ago 11 2016	17:52:32.9	5.26	-73.73	147	2.2	0.4	77	32	CUCUNUBA (CUNDINAMARCA)
1668	Ago 11 2016	19:57:18.6	6.76	-73.19	142	1.7	0.4	230	12	LOS SANTOS (SANTANDER)
1669	Ago 11 2016	21:12:26.2	6.81	-73.17	147	1.5	0.2	132	11	LOS SANTOS (SANTANDER)
1670	Ago 11 2016	22:16:40.3	6.77	-73.14	144	1.9	0.3	138	20	LOS SANTOS (SANTANDER)
1671	Ago 11 2016	23:01:39.2	6.79	-73.09	144	2.1	0.3	143	24	LOS SANTOS (SANTANDER)
1672	Ago 12 2016	00:37:39.7	6.74	-73.15	140	1.3	0.3	232	8	LOS SANTOS (SANTANDER)
1673	Ago 12 2016	00:50:29.6	11.94	-73.38	Sup	2.1	0.4	233	10	MAR CARIBE
1674	Ago 12 2016	03:01:33.5	5.53	-74.60	14	1.0	0.3	240	7	PUERTO SALGAR (CUNDINAMARCA)
1675	Ago 12 2016	03:49: 0.1	7.08	-76.14	Sup	1.6	0.5	182	15	DABEIBA (ANTIOQUIA)
1676	Ago 12 2016	04:23:23.7	2.45	-75.51	20	1.6	0.5	75	19	GIGANTE (HUILA)
1677	Ago 12 2016	04:50:32.0	4.27	-75.77	Sup	1.7	0.4	78	22	GENOVA (QUINDIO)
1678	Ago 12 2016	04:52: 6.9	6.74	-73.11	140	1.8	0.3	143	11	LOS SANTOS (SANTANDER)
1679	Ago 12 2016	04:54:16.9	7.14	-76.27	Sup	2.6	0.5	86	25	DABEIBA (ANTIOQUIA)
1680	Ago 12 2016	05:12: 7.9	6.82	-73.16	149	2.3	0.4	70	37	LOS SANTOS (SANTANDER)
1681	Ago 12 2016	05:50:45.6	7.30	-78.12	18	1.8	0.3	159	7	JURADO (CHOCO)
1682	Ago 12 2016	06:03:48.3	2.60	-75.15	Sup	2.7	0.6	97	36	ALGECIRAS (HUILA)
1683	Ago 12 2016	06:13:29.6	6.77	-73.09	144	2.0	0.4	104	29	LOS SANTOS (SANTANDER)
1684	Ago 12 2016	06:15:26.4	6.80	-73.15	141	2.1	0.4	135	30	LOS SANTOS (SANTANDER)
1685	Ago 12 2016	06:42: 7.6	3.58	-74.39	13	2.2	0.4	67	33	URIBE (META)
1686	Ago 12 2016	06:48:28.7	5.10	-76.44	83	1.3	0.4	215	9	TADO (CHOCO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1687	Ago 12 2016	06:54:14.7	6.76	-73.17	155	1.3	0.1	232	6	LOS SANTOS (SANTANDER)
1688	Ago 12 2016	07:55:23.4	6.80	-73.39	126	1.2	0.4	183	11	SAN VICENTE DE CHUCURI (SANTANDER)
1689	Ago 12 2016	08:03: 2.8	7.10	-74.03	75	1.2	0.2	155	14	YONDO (ANTIOQUIA)
1690	Ago 12 2016	08:49:32.2	6.80	-73.11	132	1.4	0.4	140	14	LOS SANTOS (SANTANDER)
1691	Ago 12 2016	09:02:20.2	7.19	-76.13	Sup	1.3	0.4	204	10	DABEIBA (ANTIOQUIA)
1692	Ago 12 2016	09:50:23.7	6.28	-73.61	108	1.8	0.6	72	26	SANTA HELENA DEL OPON (SANTANDER)
1693	Ago 12 2016	10:52:45.1	6.80	-73.16	148	1.7	0.4	134	22	LOS SANTOS (SANTANDER)
1694	Ago 12 2016	11:02:34.9	6.81	-76.11	Sup	2.0	0.4	207	20	FRONTINO (ANTIOQUIA)
1695	Ago 12 2016	11:56:27.4	6.72	-73.12	139	1.7	0.4	143	18	JORDAN (SANTANDER)
1696	Ago 12 2016	12:12: 0.1	6.74	-76.72	16	1.6	0.3	124	9	VIGIA DEL FUERTE (ANTIOQUIA)
1697	Ago 12 2016	12:50: 7.0	6.36	-75.85	Sup	1.4	0.5	175	10	ANZA (ANTIOQUIA)
1698	Ago 12 2016	13:30:49.3	6.78	-73.13	142	1.7	0.4	139	17	LOS SANTOS (SANTANDER)
1699	Ago 12 2016	14:35: 3.5	6.78	-73.15	134	1.5	0.2	243	8	LOS SANTOS (SANTANDER)
1700	Ago 12 2016	14:58:41.9	5.97	-74.16	10	1.4	0.4	85	11	LA BELLEZA (SANTANDER)
1701	Ago 12 2016	15:15: 6.6	6.37	-73.62	101	2.4	0.4	68	28	SANTA HELENA DEL OPON (SANTANDER)
1702	Ago 12 2016	15:55:10.2	5.91	-73.60	118	1.5	0.4	94	13	BARBOSA (SANTANDER)
1703	Ago 12 2016	17:19:25.0	5.94	-74.13	15	1.6	0.4	74	14	LA BELLEZA (SANTANDER)
1704	Ago 12 2016	20:07:21.6	5.64	-74.06	105	1.1	0.3	176	8	SAN PABLO DE BORBUR (BOYACA)
1705	Ago 12 2016	21:11:25.5	6.84	-76.71	16	3.1	0.5	62	56	MURINDO (ANTIOQUIA)
1706	Ago 12 2016	21:16: 3.1	6.79	-76.72	10	2.4	0.5	142	26	MURINDO (ANTIOQUIA)
1707	Ago 12 2016	23:44: 3.8	6.80	-73.15	146	1.5	0.4	236	10	LOS SANTOS (SANTANDER)
1708	Ago 13 2016	00:08:19.7	6.76	-73.13	148	2.2	0.5	121	19	LOS SANTOS (SANTANDER)
1709	Ago 13 2016	00:18:52.8	6.81	-73.15	151	1.4	0.5	238	7	LOS SANTOS (SANTANDER)
1710	Ago 13 2016	01:08:32.7	5.17	-73.02	Sup	2.3	0.6	93	30	SAN EDUARDO (BOYACA)
1711	Ago 13 2016	01:18:25.1	11.52	-74.17	6	1.9	0.6	233	11	MAR CARIBE
1712	Ago 13 2016	01:28:39.7	6.81	-73.09	159	1.5	0.5	244	9	LOS SANTOS (SANTANDER)
1713	Ago 13 2016	01:32:57.1	6.72	-73.18	161	1.5	0.3	227	7	VILLANUEVA (SANTANDER)
1714	Ago 13 2016	01:40:57.7	6.83	-73.16	147	1.5	0.2	244	7	LOS SANTOS (SANTANDER)
1715	Ago 13 2016	02:01:15.6	5.93	-74.13	13	0.9	0.5	113	9	LA BELLEZA (SANTANDER)
1716	Ago 13 2016	02:10:52.6	5.73	-77.67	47	1.7	0.5	197	9	O. PACIFICO NORTE
1717	Ago 13 2016	03:17: 6.4	5.93	-73.62	132	1.4	0.4	90	11	BARBOSA (SANTANDER)
1718	Ago 13 2016	03:21:14.8	6.76	-73.16	151	1.2	0.2	232	8	LOS SANTOS (SANTANDER)
1719	Ago 13 2016	03:22:33.5	6.76	-73.17	151	1.3	0.3	231	7	LOS SANTOS (SANTANDER)
1720	Ago 13 2016	03:25: 5.3	3.25	-74.50	Sup	1.9	0.5	106	22	URIBE (META)
1721	Ago 13 2016	03:37:20.7	6.58	-74.80	17	1.1	0.3	116	13	MACEO (ANTIOQUIA)
1722	Ago 13 2016	03:48:32.1	6.75	-73.16	150	1.3	0.2	231	8	LOS SANTOS (SANTANDER)
1723	Ago 13 2016	03:51:50.0	6.75	-73.16	146	1.6	0.4	136	13	LOS SANTOS (SANTANDER)
1724	Ago 13 2016	04:03: 3.0	6.78	-73.14	146	1.5	0.2	237	11	LOS SANTOS (SANTANDER)
1725	Ago 13 2016	04:49:58.0	5.83	-76.05	60	0.8	0.1	222	7	CIUDAD BOLIVAR (ANTIOQUIA)
1726	Ago 13 2016	05:38: 5.8	5.78	-74.18	18	0.5	0.5	200	6	OTANCHE (BOYACA)
1727	Ago 13 2016	06:02:41.5	5.93	-74.14	13	0.8	0.5	114	10	LA BELLEZA (SANTANDER)
1728	Ago 13 2016	06:42:59.0	5.23	-72.95	Sup	0.9	0.5	153	8	CHAMEZA (CASANARE)
1729	Ago 13 2016	07:05:57.9	7.66	-76.68	30	1.8	0.4	209	10	CHIGORODO (ANTIOQUIA)
1730	Ago 13 2016	07:11:22.5	6.79	-73.10	148	1.8	0.4	222	23	LOS SANTOS (SANTANDER)
1731	Ago 13 2016	07:41:12.6	6.82	-73.11	144	2.6	0.6	72	46	LOS SANTOS (SANTANDER)
1732	Ago 13 2016	07:49:38.5	10.56	-73.55	Sup	1.6	0.7	106	8	PUEBLO BELLO (CESAR)
1733	Ago 13 2016	08:08:57.9	2.75	-79.88	32	2.6	0.5	185	22	O. PACIFICO SUR
1734	Ago 13 2016	08:29:20.5	6.80	-73.13	147	2.8	0.5	72	50	LOS SANTOS (SANTANDER)
1735	Ago 13 2016	08:41:11.6	5.29	-73.74	147	2.4	0.5	64	39	LENGUAZQUE (CUNDINAMARCA)
1736	Ago 13 2016	08:50:58.9	7.48	-72.35	Sup	1.5	0.3	143	16	FRONTERA CON VENEZUELA

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1737	Ago 13 2016	09:10:42.6	6.76	-73.12	142	1.2	0.4	244	8	LOS SANTOS (SANTANDER)
1738	Ago 13 2016	09:29:44.3	6.80	-73.14	148	4.0	0.5	54	89	LOS SANTOS (SANTANDER)
1739	Ago 13 2016	09:41: 9.9	5.36	-73.76	153	1.6	0.4	213	16	FUQUENE (CUNDINAMARCA)
1740	Ago 13 2016	10:44:19.4	6.54	-73.18	144	1.0	0.2	167	7	PINCHOTE (SANTANDER)
1741	Ago 13 2016	12:24:54.6	6.74	-73.15	146	1.6	0.4	232	14	LOS SANTOS (SANTANDER)
1742	Ago 13 2016	12:27:40.2	6.82	-73.13	128	1.5	0.3	245	10	LOS SANTOS (SANTANDER)
1743	Ago 13 2016	12:47:42.2	6.32	-73.13	178	1.9	0.4	183	17	OCAMONTE (SANTANDER)
1744	Ago 13 2016	13:56:38.7	11.25	-73.56	10	1.7	0.2	172	8	PUEBLO BELLO (CESAR)
1745	Ago 13 2016	16:43:33.9	6.77	-73.13	144	2.1	0.3	139	18	LOS SANTOS (SANTANDER)
1746	Ago 13 2016	17:07:24.6	6.89	-73.16	143	1.6	0.2	280	7	BETULIA (SANTANDER)
1747	Ago 13 2016	17:40:39.8	6.77	-73.18	145	1.6	0.4	232	14	LOS SANTOS (SANTANDER)
1748	Ago 13 2016	18:00: 5.6	6.83	-73.12	153	1.5	0.3	211	8	LOS SANTOS (SANTANDER)
1749	Ago 13 2016	19:17:50.1	6.80	-73.17	142	1.3	0.3	143	10	LOS SANTOS (SANTANDER)
1750	Ago 13 2016	19:36:31.1	5.63	-76.39	15	2.7	0.5	172	32	LORO (CHOCO)
1751	Ago 13 2016	22:38:46.3	6.81	-73.12	149	2.5	0.5	120	37	LOS SANTOS (SANTANDER)
1752	Ago 13 2016	23:09:55.9	5.66	-74.33	Sup	0.8	0.4	141	8	OTANCHE (BOYACA)
1753	Ago 13 2016	23:38:49.2	6.81	-73.13	148	1.7	0.3	137	18	LOS SANTOS (SANTANDER)
1754	Ago 13 2016	23:51: 4.9	6.89	-73.20	157	1.7	0.5	206	14	BETULIA (SANTANDER)
1755	Ago 14 2016	00:14: 3.5	5.76	-73.91	100	1.9	0.5	90	27	ALBANIA (SANTANDER)
1756	Ago 14 2016	00:29:34.9	6.83	-73.14	141	1.7	0.4	241	14	LOS SANTOS (SANTANDER)
1757	Ago 14 2016	00:44:49.9	3.63	-76.75	70	1.9	0.5	106	22	DAGUA (VALLE)
1758	Ago 14 2016	01:00:46.2	6.80	-73.13	144	1.7	0.4	239	13	LOS SANTOS (SANTANDER)
1759	Ago 14 2016	01:15:17.7	6.80	-73.09	152	2.0	0.5	213	19	LOS SANTOS (SANTANDER)
1760	Ago 14 2016	01:43:55.6	4.85	-76.44	92	1.1	0.5	210	9	NOVITA (CHOCO)
1761	Ago 14 2016	02:35:47.0	6.78	-73.14	148	3.5	0.5	54	67	LOS SANTOS (SANTANDER)
1762	Ago 14 2016	03:33: 3.1	2.72	-79.87	32	3.0	0.5	122	19	O. PACIFICO SUR
1763	Ago 14 2016	03:45:49.7	6.20	-72.27	Sup	1.3	0.1	122	10	LA SALINA (CASANARE)
1764	Ago 14 2016	03:56:50.7	10.30	-73.04	124	1.6	0.4	165	10	MANAURE BALCON CESAR (CESAR)
1765	Ago 14 2016	04:53:48.7	6.80	-73.03	144	1.8	0.4	249	14	LOS SANTOS (SANTANDER)
1766	Ago 14 2016	05:22:46.4	4.24	-75.88	Sup	1.2	0.5	89	11	SEVILLA (VALLE)
1767	Ago 14 2016	09:06:23.3	4.05	-76.44	132	3.5	0.4	76	0	CALIMA (VALLE)
1768	Ago 14 2016	09:06:23.3	4.05	-76.44	132	3.5	0.4	76	72	CALIMA (VALLE)
1769	Ago 14 2016	09:12: 6.4	9.84	-73.00	Sup	1.5	0.2	185	9	AGUSTIN CODAZZI (CESAR)
1770	Ago 14 2016	09:48:58.1	6.73	-73.12	141	1.3	0.4	165	12	LOS SANTOS (SANTANDER)
1771	Ago 14 2016	10:15:45.6	5.84	-74.11	32	1.3	0.2	196	12	LA BELLEZA (SANTANDER)
1772	Ago 14 2016	10:25:28.1	3.39	-77.56	Sup	2.0	0.5	143	26	O. PACIFICO SUR
1773	Ago 14 2016	10:28:48.1	6.76	-73.16	143	1.5	0.3	135	14	LOS SANTOS (SANTANDER)
1774	Ago 14 2016	11:10:15.2	6.91	-73.22	121	1.6	0.2	242	8	BETULIA (SANTANDER)
1775	Ago 14 2016	11:14:45.2	6.56	-73.03	169	2.4	0.4	135	24	CURITI (SANTANDER)
1776	Ago 14 2016	13:18:28.1	6.79	-73.15	140	3.4	0.4	65	60	LOS SANTOS (SANTANDER)
1777	Ago 14 2016	14:10: 4.2	7.21	-77.03	16	1.9	0.3	123	10	RIOSUCIO (CHOCO)
1778	Ago 14 2016	14:41:55.4	6.71	-73.32	121	1.8	0.3	175	18	GALAN (SANTANDER)
1779	Ago 14 2016	15:44:43.8	6.81	-73.12	144	2.0	0.2	241	15	LOS SANTOS (SANTANDER)
1780	Ago 14 2016	17:57:52.6	6.78	-73.14	138	1.8	0.6	138	16	LOS SANTOS (SANTANDER)
1781	Ago 14 2016	18:14:56.2	6.78	-73.13	142	2.3	0.3	138	20	LOS SANTOS (SANTANDER)
1782	Ago 14 2016	20:25:21.7	4.87	-76.76	Sup	1.3	0.4	124	14	NOVITA (CHOCO)
1783	Ago 14 2016	21:21: 2.6	11.17	-72.00	82	2.3	0.2	121	8	FRONTERA CON VENEZUELA
1784	Ago 14 2016	21:26:21.9	6.79	-73.13	150	1.0	0.3	138	8	LOS SANTOS (SANTANDER)
1785	Ago 14 2016	21:57:16.3	6.82	-73.11	144	1.4	0.3	140	14	LOS SANTOS (SANTANDER)
1786	Ago 14 2016	22:11:27.6	2.27	-75.69	13	1.5	0.4	119	14	AGRADO (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1787	Ago 14 2016	22:37: 6.3	6.89	-72.95	124	1.2	0.2	262	8	GUACA (SANTANDER)
1788	Ago 14 2016	22:38:11.2	6.94	-76.25	Sup	1.5	0.4	223	12	DABEIBA (ANTIOQUIA)
1789	Ago 14 2016	22:53: 6.0	6.83	-73.10	146	2.3	0.4	139	38	LOS SANTOS (SANTANDER)
1790	Ago 14 2016	23:22:46.8	6.84	-73.11	145	2.1	0.4	138	30	LOS SANTOS (SANTANDER)
1791	Ago 15 2016	01:04:11.0	6.80	-76.28	6	1.1	0.3	216	8	URAMITA (ANTIOQUIA)
1792	Ago 15 2016	01:33:34.5	6.79	-74.54	Sup	2.0	0.5	93	22	VEGACHI (ANTIOQUIA)
1793	Ago 15 2016	01:36:25.0	6.80	-73.18	150	1.6	0.4	132	13	ZAPATOCA (SANTANDER)
1794	Ago 15 2016	03:04:23.2	6.69	-73.20	151	1.4	0.3	217	8	VILLANUEVA (SANTANDER)
1795	Ago 15 2016	03:25:17.9	6.79	-73.15	150	1.8	0.4	136	26	LOS SANTOS (SANTANDER)
1796	Ago 15 2016	03:39: 8.2	2.70	-75.03	Sup	1.7	0.4	94	11	RIVERA (HUILA)
1797	Ago 15 2016	04:23:54.0	6.81	-73.15	152	3.4	0.7	53	73	LOS SANTOS (SANTANDER)
1798	Ago 15 2016	04:33:30.3	7.41	-73.16	133	1.3	0.2	219	7	EL PLAYON (SANTANDER)
1799	Ago 15 2016	04:45:36.2	6.78	-73.17	146	1.6	0.4	233	12	LOS SANTOS (SANTANDER)
1800	Ago 15 2016	04:55: 2.0	4.82	-73.24	12	1.6	0.4	129	17	SANTA MARIA (BOYACA)
1801	Ago 15 2016	05:41:41.5	6.67	-73.11	143	1.2	0.3	188	7	JORDAN (SANTANDER)
1802	Ago 15 2016	05:43:39.2	3.94	-71.40	Sup	2.5	0.5	227	27	PUERTO GAITAN (META)
1803	Ago 15 2016	06:01:18.8	6.88	-73.16	149	1.8	0.3	130	20	BETULIA (SANTANDER)
1804	Ago 15 2016	06:25:45.5	6.80	-73.18	142	1.4	0.5	132	14	ZAPATOCA (SANTANDER)
1805	Ago 15 2016	06:50:20.1	5.86	-73.67	122	1.0	0.3	207	8	PUENTE NACIONAL (SANTANDER)
1806	Ago 15 2016	07:07:48.0	6.84	-73.13	146	1.7	0.5	135	18	LOS SANTOS (SANTANDER)
1807	Ago 15 2016	07:09:17.9	7.28	-73.46	109	1.4	0.3	150	14	SABANA DE TORRES (SANTANDER)
1808	Ago 15 2016	07:33:23.6	6.79	-73.14	138	1.5	0.6	137	18	LOS SANTOS (SANTANDER)
1809	Ago 15 2016	08:03:43.2	6.64	-73.36	152	1.0	0.4	143	7	GALAN (SANTANDER)
1810	Ago 15 2016	08:25:47.7	7.76	-75.01	19	2.7	0.6	87	51	EL BAGRE (ANTIOQUIA)
1811	Ago 15 2016	08:34:44.3	5.79	-75.84	35	0.8	0.4	107	8	PUEBLORRICO (ANTIOQUIA)
1812	Ago 15 2016	08:49:41.3	6.75	-73.10	147	1.3	0.4	144	13	LOS SANTOS (SANTANDER)
1813	Ago 15 2016	09:17:57.5	1.96	-75.91	Sup	1.5	0.2	160	11	TIMANA (HUILA)
1814	Ago 15 2016	09:54:14.9	3.35	-76.17	Sup	1.5	0.5	133	15	FLORIDA (VALLE)
1815	Ago 15 2016	10:37: 2.2	5.92	-73.53	135	1.3	0.4	215	10	TOGUI (BOYACA)
1816	Ago 15 2016	14:07:25.8	6.75	-73.15	144	1.4	0.4	138	10	LOS SANTOS (SANTANDER)
1817	Ago 15 2016	15:35:29.2	6.77	-73.15	144	1.9	0.4	98	15	LOS SANTOS (SANTANDER)
1818	Ago 15 2016	16:40:23.8	6.08	-74.33	Sup	1.7	0.3	123	18	PUERTO NARE (ANTIOQUIA)
1819	Ago 15 2016	17:20:32.7	6.77	-73.14	142	2.4	0.4	138	28	LOS SANTOS (SANTANDER)
1820	Ago 15 2016	20:08: 3.8	4.91	-75.80	25	1.1	0.3	146	7	MARSELLA (RISARALDA)
1821	Ago 15 2016	20:30:20.7	2.49	-75.47	23	1.5	0.3	171	9	HOBO (HUILA)
1822	Ago 15 2016	21:23:55.9	8.50	-73.64	88	1.7	0.3	287	8	PELAYA (CESAR)
1823	Ago 15 2016	21:35:59.0	6.78	-73.13	142	1.9	0.3	139	17	LOS SANTOS (SANTANDER)
1824	Ago 15 2016	22:31:40.5	6.77	-73.08	146	2.3	0.3	145	24	LOS SANTOS (SANTANDER)
1825	Ago 15 2016	23:33:50.4	6.79	-73.14	145	2.0	0.2	137	18	LOS SANTOS (SANTANDER)
1826	Ago 15 2016	23:47:42.2	4.77	-76.19	106	1.1	0.2	136	8	EL CAIRO (VALLE)
1827	Ago 15 2016	23:51:39.9	6.86	-76.22	Sup	1.7	0.3	198	9	URAMITA (ANTIOQUIA)
1828	Ago 16 2016	00:17:56.5	6.88	-76.20	Sup	1.2	0.4	189	9	URAMITA (ANTIOQUIA)
1829	Ago 16 2016	00:23:54.6	6.13	-73.88	9	1.3	0.5	104	9	EL PENON (SANTANDER)
1830	Ago 16 2016	00:31:47.2	5.23	-77.65	16	1.4	0.5	296	10	O. PACIFICO CENTRO
1831	Ago 16 2016	00:36:16.5	6.79	-73.11	144	2.1	0.5	99	32	LOS SANTOS (SANTANDER)
1832	Ago 16 2016	00:37:36.1	6.75	-73.14	145	2.1	0.4	96	32	LOS SANTOS (SANTANDER)
1833	Ago 16 2016	00:41:29.3	6.86	-73.65	106	1.5	0.5	134	15	EL CARMEN (SANTANDER)
1834	Ago 16 2016	01:00:14.9	6.82	-73.14	147	2.9	0.5	70	57	LOS SANTOS (SANTANDER)
1835	Ago 16 2016	01:15:35.9	6.55	-73.50	112	1.8	0.5	64	31	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
1836	Ago 16 2016	01:17:24.2	6.78	-73.11	145	1.7	0.5	141	26	LOS SANTOS (SANTANDER)
1837	Ago 16 2016	01:20:42.4	8.09	-73.61	93	1.6	0.4	149	20	SAN MARTIN (CESAR)
1838	Ago 16 2016	01:41:40.4	6.88	-73.24	125	1.0	0.2	232	8	BETULIA (SANTANDER)
1839	Ago 16 2016	02:17: 8.8	6.33	-73.59	111	1.7	0.5	84	18	SANTA HELENA DEL OPO (SANTANDER)
1840	Ago 16 2016	02:49:51.5	6.80	-73.18	148	1.4	0.4	132	14	ZAPATOCA (SANTANDER)
1841	Ago 16 2016	02:49:56.8	6.77	-73.11	146	1.6	0.4	142	13	LOS SANTOS (SANTANDER)
1842	Ago 16 2016	03:12:56.7	6.78	-73.12	147	2.1	0.4	121	33	LOS SANTOS (SANTANDER)
1843	Ago 16 2016	03:28:14.3	4.36	-76.83	52	1.4	0.4	214	15	SIPI (CHOCO)
1844	Ago 16 2016	03:50:22.3	1.90	-76.03	24	1.4	0.3	161	10	PITALITO (HUILA)
1845	Ago 16 2016	05:04:45.8	6.79	-73.14	146	1.5	0.4	137	21	LOS SANTOS (SANTANDER)
1846	Ago 16 2016	05:23:55.6	5.53	-74.79	18	1.0	0.5	223	9	NORCASIA (CALDAS)
1847	Ago 16 2016	05:24:32.6	8.50	-73.06	54	1.6	0.3	127	8	EL TARRA (N.SANTANDER)
1848	Ago 16 2016	05:27: 2.4	8.76	-72.98	131	1.7	0.6	167	19	EL TARRA (N.SANTANDER)
1849	Ago 16 2016	05:49: 8.7	6.77	-73.22	146	2.2	0.5	54	39	ZAPATOCA (SANTANDER)
1850	Ago 16 2016	05:54:39.8	6.78	-73.09	142	1.4	0.3	266	10	LOS SANTOS (SANTANDER)
1851	Ago 16 2016	06:18:39.7	6.81	-73.12	149	3.1	0.5	53	0	LOS SANTOS (SANTANDER)
1852	Ago 16 2016	06:18:39.7	6.81	-73.12	149	3.1	0.5	53	69	LOS SANTOS (SANTANDER)
1853	Ago 16 2016	06:52:16.5	6.78	-73.13	144	1.5	0.5	238	18	LOS SANTOS (SANTANDER)
1854	Ago 16 2016	07:21: 3.8	6.79	-73.15	144	1.7	0.4	136	21	LOS SANTOS (SANTANDER)
1855	Ago 16 2016	07:40:28.3	7.09	-74.66	16	1.0	0.2	175	8	SEGOVIA (ANTIOQUIA)
1856	Ago 16 2016	08:10:24.8	6.86	-73.12	145	2.3	0.5	102	50	LOS SANTOS (SANTANDER)
1857	Ago 16 2016	08:59:42.6	7.46	-73.48	113	1.4	0.5	250	10	SABANA DE TORRES (SANTANDER)
1858	Ago 16 2016	09:11:10.9	6.81	-73.15	144	1.8	0.4	134	16	LOS SANTOS (SANTANDER)
1859	Ago 16 2016	09:34:51.3	5.70	-73.99	100	1.3	0.6	191	10	PAUNA (BOYACA)
1860	Ago 16 2016	10:04:35.5	8.26	-74.13	24	1.9	0.6	202	16	MORALES (BOLIVAR)
1861	Ago 16 2016	10:40:53.3	6.80	-73.17	146	2.0	0.4	133	24	LOS SANTOS (SANTANDER)
1862	Ago 16 2016	10:48:27.4	6.57	-76.82	17	1.6	0.5	246	12	VIGIA DEL FUERTE (ANTIOQUIA)
1863	Ago 16 2016	13:51:46.0	6.71	-73.17	143	1.6	0.2	238	8	VILLANUEVA (SANTANDER)
1864	Ago 16 2016	14:52:43.8	6.81	-73.20	139	1.4	0.3	147	10	ZAPATOCA (SANTANDER)
1865	Ago 16 2016	14:58:52.2	6.79	-73.14	144	1.8	0.5	137	16	LOS SANTOS (SANTANDER)
1866	Ago 16 2016	15:44:15.8	3.47	-74.75	28	2.7	0.8	104	38	COLOMBIA (HUILA)
1867	Ago 16 2016	16:52: 1.7	6.19	-72.77	Sup	2.0	0.7	136	19	SATIVANORTE (BOYACA)
1868	Ago 16 2016	17:14:29.0	6.80	-73.14	145	2.4	0.4	136	19	LOS SANTOS (SANTANDER)
1869	Ago 16 2016	18:09:29.1	4.41	-75.21	10	1.6	0.4	139	14	IBAGUE (TOLIMA)
1870	Ago 16 2016	19:16: 2.1	7.96	-75.00	20	2.1	0.7	217	12	CAUCASIA (ANTIOQUIA)
<u>1871</u>	<u>Ago 16 2016</u>	<u>19:51:53.9</u>	<u>4.47</u>	<u>-75.67</u>	<u>Sup</u>	<u>2.2</u>	<u>0.5</u>	<u>50</u>	<u>36</u>	<u>ARMENIA (QUINDIO)</u>
1872	Ago 16 2016	20:38:52.8	6.75	-73.13	141	1.6	0.3	141	10	LOS SANTOS (SANTANDER)
1873	Ago 16 2016	20:39:27.0	4.51	-74.71	25	1.5	0.3	200	7	JERUSALEN (CUNDINAMARCA)
1874	Ago 16 2016	20:48:14.5	5.28	-73.68	144	1.6	0.3	139	9	LENGUAZAQUE (CUNDINAMARCA)
1875	Ago 16 2016	21:24:30.3	2.86	-74.87	Sup	2.3	0.3	179	12	TELLO (HUILA)
1876	Ago 16 2016	22:17:59.7	6.73	-73.11	138	1.7	0.3	143	13	JORDAN (SANTANDER)
1877	Ago 16 2016	22:57:16.6	6.75	-73.13	142	1.8	0.2	140	12	LOS SANTOS (SANTANDER)
1878	Ago 16 2016	23:12:11.7	4.79	-76.16	102	1.3	0.2	121	8	EL CAIRO (VALLE)
1879	Ago 17 2016	00:25:31.8	6.78	-73.12	147	1.9	0.4	121	24	LOS SANTOS (SANTANDER)
1880	Ago 17 2016	00:50:42.8	6.78	-73.17	150	1.7	0.5	233	16	LOS SANTOS (SANTANDER)
1881	Ago 17 2016	01:46:29.9	7.73	-73.90	75	1.3	0.2	253	8	SIMITI (BOLIVAR)
1882	Ago 17 2016	01:51:45.7	6.80	-73.13	146	3.3	0.5	54	76	LOS SANTOS (SANTANDER)
1883	Ago 17 2016	02:14:59.4	3.80	-71.43	Sup	2.0	0.6	262	13	PUERTO GAITAN (META)
1884	Ago 17 2016	02:31:15.9	5.29	-76.48	46	1.5	0.4	226	12	TADO (CHOCO)
1885	Ago 17 2016	02:46: 5.0	6.79	-73.12	143	2.2	0.6	72	40	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1886	Ago 17 2016	03:44:39.8	6.79	-73.14	146	1.6	0.5	237	20	LOS SANTOS (SANTANDER)
1887	Ago 17 2016	03:46:42.4	3.79	-76.88	50	1.9	0.5	105	26	BUENAVENTURA (VALLE)
1888	Ago 17 2016	04:12:57.9	6.95	-76.31	Sup	2.9	0.9	52	69	DABEIBA (ANTIOQUIA)
1889	Ago 17 2016	04:15:33.6	6.89	-76.21	Sup	2.6	0.6	93	42	URAMITA (ANTIOQUIA)
1890	Ago 17 2016	04:17:15.0	6.86	-76.24	Sup	1.7	0.6	193	14	URAMITA (ANTIOQUIA)
1891	Ago 17 2016	04:24: 1.4	6.88	-76.26	Sup	2.6	0.5	58	48	URAMITA (ANTIOQUIA)
1892	Ago 17 2016	05:11: 3.7	3.87	-76.09	28	1.8	0.6	73	22	SAN PEDRO (VALLE)
1893	Ago 17 2016	05:12:56.7	6.78	-73.18	144	1.3	0.5	232	9	LOS SANTOS (SANTANDER)
1894	Ago 17 2016	05:14: 1.3	6.80	-73.11	147	1.7	0.5	241	13	LOS SANTOS (SANTANDER)
1895	Ago 17 2016	05:15:18.9	3.85	-76.14	36	1.4	0.3	106	9	BUGA (VALLE)
1896	Ago 17 2016	05:16:29.0	2.62	-74.97	Sup	1.7	0.5	108	14	RIVERA (HUILA)
1897	Ago 17 2016	05:51:39.0	6.79	-73.16	149	1.6	0.4	235	20	LOS SANTOS (SANTANDER)
1898	Ago 17 2016	06:20:33.3	6.79	-73.15	144	1.7	0.4	248	17	LOS SANTOS (SANTANDER)
1899	Ago 17 2016	06:29:23.4	6.76	-73.20	143	1.2	0.3	229	8	ZAPATOCA (SANTANDER)
1900	Ago 17 2016	06:59:49.1	4.02	-75.58	Sup	1.5	0.5	71	12	RONCESVALLES (TOLIMA)
1901	Ago 17 2016	07:30: 2.1	3.80	-76.87	60	1.4	0.2	123	8	BUENAVENTURA (VALLE)
1902	Ago 17 2016	07:51:49.4	6.80	-73.09	151	1.8	0.5	243	21	LOS SANTOS (SANTANDER)
1903	Ago 17 2016	08:00:39.1	5.84	-73.87	111	1.0	0.4	138	8	LA BELLEZA (SANTANDER)
1904	Ago 17 2016	08:03: 9.5	6.74	-73.18	152	1.3	0.4	228	8	VILLANUEVA (SANTANDER)
1905	Ago 17 2016	08:52: 3.1	6.81	-73.14	148	3.4	0.4	60	72	LOS SANTOS (SANTANDER)
1906	Ago 17 2016	09:08: 3.5	6.81	-73.15	148	2.2	0.5	108	37	LOS SANTOS (SANTANDER)
1907	Ago 17 2016	09:16:32.3	6.84	-73.17	149	1.5	0.3	278	11	ZAPATOCA (SANTANDER)
1908	Ago 17 2016	10:46:50.5	3.99	-76.64	60	2.3	0.6	107	26	CALIMA (VALLE)
1909	Ago 17 2016	13:46: 0.6	6.80	-73.13	141	2.4	0.5	137	30	LOS SANTOS (SANTANDER)
1910	Ago 17 2016	14:02:12.3	6.83	-73.09	147	2.4	0.5	245	28	LOS SANTOS (SANTANDER)
1911	Ago 17 2016	14:11:32.8	6.68	-73.11	141	1.8	0.3	269	8	JORDAN (SANTANDER)
1912	Ago 17 2016	16:04:30.5	6.07	-73.68	115	2.3	0.5	84	26	CHIPATA (SANTANDER)
1913	Ago 17 2016	17:38: 5.1	7.25	-73.51	111	1.9	0.5	233	12	SABANA DE TORRES (SANTANDER)
1914	Ago 17 2016	18:42:36.5	4.69	-74.88	7	1.8	0.6	87	26	VENADILLO (TOLIMA)
1915	Ago 17 2016	21:06:32.1	6.81	-73.13	142	1.6	0.2	279	9	LOS SANTOS (SANTANDER)
1916	Ago 17 2016	21:38:36.7	6.76	-73.38	118	1.3	0.3	135	9	SAN VICENTE DE CHUCURI (SANTANDER)
1917	Ago 17 2016	21:42:45.8	6.77	-73.13	139	1.9	0.2	139	11	LOS SANTOS (SANTANDER)
1918	Ago 17 2016	23:03: 1.6	6.79	-73.13	149	1.9	0.3	238	15	LOS SANTOS (SANTANDER)
1919	Ago 17 2016	23:06:11.2	1.82	-77.36	17	1.4	0.2	212	8	EL ROSARIO (NARINO)
1920	Ago 18 2016	00:02:45.4	3.66	-74.11	Sup	1.3	0.5	149	10	LEJANIAS (META)
1921	Ago 18 2016	00:33:55.9	6.78	-73.14	146	1.7	0.5	236	20	LOS SANTOS (SANTANDER)
1922	Ago 18 2016	02:00: 3.3	3.26	-74.72	Sup	1.9	0.5	106	29	COLOMBIA (HUILA)
1923	Ago 18 2016	02:04:24.9	1.96	-75.89	Sup	1.1	0.3	159	8	TIMANA (HUILA)
1924	Ago 18 2016	03:41:14.3	6.85	-73.15	147	2.7	0.5	66	52	LOS SANTOS (SANTANDER)
1925	Ago 18 2016	04:23:59.9	9.14	-72.95	134	2.0	0.5	196	17	FRONTERA CON VENEZUELA
1926	Ago 18 2016	04:46:31.1	6.78	-73.15	141	1.0	0.1	235	9	LOS SANTOS (SANTANDER)
1927	Ago 18 2016	05:06: 7.0	6.79	-73.10	145	1.6	0.4	142	21	LOS SANTOS (SANTANDER)
1928	Ago 18 2016	05:10:45.7	6.79	-73.15	147	1.5	0.3	136	15	LOS SANTOS (SANTANDER)
1929	Ago 18 2016	05:38:59.4	3.83	-76.86	Sup	1.3	0.3	144	8	BUENAVENTURA (VALLE)
1930	Ago 18 2016	05:55:58.4	6.82	-73.18	149	1.4	0.4	235	11	ZAPATOCA (SANTANDER)
1931	Ago 18 2016	08:35:40.8	3.59	-75.19	15	1.9	0.3	83	14	NATAGAIMA (TOLIMA)
1932	Ago 18 2016	10:14:42.7	5.37	-75.87	91	1.3	0.2	123	12	MISTRATO (RISARALDA)
1933	Ago 18 2016	11:39:48.2	6.88	-73.27	118	2.2	0.3	164	10	BETULIA (SANTANDER)
1934	Ago 18 2016	12:01:37.9	6.58	-73.15	147	1.4	0.4	222	8	SAN GIL (SANTANDER)
1935	Ago 18 2016	12:20:10.4	7.57	-74.47	40	2.2	0.4	141	22	EL BAGRE (ANTIOQUIA)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1936	Ago 18 2016	13:31:38.5	3.89	-76.32	120	1.9	0.5	139	14	BUGA (VALLE)
1937	Ago 18 2016	15:06: 2.4	6.78	-73.13	151	1.9	0.3	256	10	LOS SANTOS (SANTANDER)
1938	Ago 18 2016	15:18:28.4	6.80	-73.12	143	2.9	0.8	121	43	LOS SANTOS (SANTANDER)
1939	Ago 18 2016	16:02:18.3	6.79	-73.18	145	1.7	0.2	275	10	LOS SANTOS (SANTANDER)
1940	Ago 18 2016	16:31:28.8	6.79	-73.15	144	2.0	0.5	135	16	LOS SANTOS (SANTANDER)
1941	Ago 18 2016	18:47:41.0	8.64	-77.45	42	2.0	0.3	324	10	FRONTERA CON PANAMA
1942	Ago 18 2016	19:37:10.9	2.04	-75.77	10	2.3	0.3	110	16	GUADALUPE (HUILA)
1943	Ago 18 2016	19:43:57.0	6.86	-73.17	142	2.1	0.1	285	10	ZAPATOCA (SANTANDER)
1944	Ago 18 2016	20:08:53.3	6.74	-73.21	143	1.7	0.2	234	8	VILLANUEVA (SANTANDER)
1945	Ago 18 2016	20:08:53.3			Sup			234	2	VILLANUEVA (SANTANDER)
1946	Ago 18 2016	20:43:34.9	6.78	-73.26	129	1.8	0.1	224	8	ZAPATOCA (SANTANDER)
1947	Ago 18 2016	20:50:31.0	6.78	-73.14	149	2.1	0.3	236	12	LOS SANTOS (SANTANDER)
1948	Ago 18 2016	21:04:36.2	6.73	-74.04	80	1.3	0.3	88	8	PUERTO PARRA (SANTANDER)
1949	Ago 18 2016	23:12:30.1	4.71	-76.20	100	1.7	0.3	146	12	EL CAIRO (VALLE)
1950	Ago 18 2016	23:48:19.4	6.77	-73.14	147	2.1	0.2	236	12	LOS SANTOS (SANTANDER)
1951	Ago 19 2016	00:49:13.2	6.85	-73.29	120	1.8	0.5	109	22	ZAPATOCA (SANTANDER)
1952	Ago 19 2016	02:07:42.1	7.87	-73.45	127	1.4	0.3	273	8	SAN ALBERTO (CESAR)
1953	Ago 19 2016	02:45:56.2	6.84	-73.11	147	1.2	0.2	281	8	LOS SANTOS (SANTANDER)
1954	Ago 19 2016	02:50:31.0	8.29	-73.17	134	1.7	0.4	174	16	HACARI (N.SANTANDER)
1955	Ago 19 2016	03:43:46.3	7.73	-73.07	146	1.6	0.4	283	12	CACHIRA (N.SANTANDER)
1956	Ago 19 2016	04:06: 6.7	7.12	-78.09	30	2.2	0.5	132	22	O. PACIFICO NORTE
1957	Ago 19 2016	04:35:51.6	6.83	-73.14	150	2.4	0.6	117	43	LOS SANTOS (SANTANDER)
1958	Ago 19 2016	05:01:10.2	4.09	-75.39	Sup	0.9	0.2	136	8	SAN ANTONIO (TOLIMA)
1959	Ago 19 2016	05:58:15.1	5.60	-73.85	135	1.2	0.5	186	16	CHIQUINQUIRA (BOYACA)
1960	Ago 19 2016	06:32:58.7	11.02	-73.69	Sup	2.0	0.4	165	19	PUEBLO BELLO (CESAR)
1961	Ago 19 2016	06:32:58.7	11.01	-73.70	Sup	2.5	0.3	163	12	PUEBLO BELLO (CESAR)
1962	Ago 19 2016	07:11:38.7	7.28	-77.24	12	1.6	0.5	167	14	RIOSUCIO (CHOCO)
1963	Ago 19 2016	07:40:53.5	6.80	-73.10	151	3.0	0.5	54	67	LOS SANTOS (SANTANDER)
1964	Ago 19 2016	08:15:39.8	5.50	-74.57	Sup	1.4	0.4	116	20	PUERTO SALGAR (CUNDINAMARCA)
1965	Ago 19 2016	08:37:43.4	6.84	-73.11	151	2.4	0.5	120	44	LOS SANTOS (SANTANDER)
1966	Ago 19 2016	09:17:17.5	7.54	-75.55	47	1.3	0.3	134	10	TARAZA (ANTIOQUIA)
1967	Ago 19 2016	10:15:39.3	6.78	-73.16	145	2.3	0.4	135	28	LOS SANTOS (SANTANDER)
1968	Ago 19 2016	12:28:48.1	6.69	-73.12	142	1.4	0.2	232	8	JORDAN (SANTANDER)
1969	Ago 19 2016	12:49:40.6	6.75	-73.12	143	2.0	0.4	142	14	LOS SANTOS (SANTANDER)
1970	Ago 19 2016	13:22:51.3	6.78	-73.16	146	2.0	0.4	234	20	LOS SANTOS (SANTANDER)
1971	Ago 19 2016	13:52:40.4	1.75	-77.61	18	2.3	0.5	118	10	CUMBITARA (NARINO)
1972	Ago 19 2016	15:09:50.1	6.81	-73.16	145	3.4	0.4	70	52	LOS SANTOS (SANTANDER)
1973	Ago 19 2016	15:58:57.2	6.77	-73.15	142	1.7	0.2	136	9	LOS SANTOS (SANTANDER)
1974	Ago 19 2016	17:10:59.8	3.31	-74.31	Sup	2.1	0.5	134	22	URIBE (META)
1975	Ago 19 2016	17:29:13.4	1.99	-75.89	35	1.7	0.2	155	8	TIMANA (HUILA)
1976	Ago 19 2016	18:21:15.9	6.81	-73.16	144	2.7	0.5	134	27	LOS SANTOS (SANTANDER)
1977	Ago 19 2016	18:30: 3.5	6.62	-76.55	Sup	2.1	0.4	231	16	VIGIA DEL FUERTE (ANTIOQUIA)
1978	Ago 19 2016	20:10:17.5	6.77	-73.12	143	2.4	0.4	140	25	LOS SANTOS (SANTANDER)
1979	Ago 19 2016	21:50:57.0	6.77	-73.13	143	2.3	0.5	98	25	LOS SANTOS (SANTANDER)
1980	Ago 19 2016	22:08:28.9	5.80	-75.97	66	2.2	0.5	130	24	BETANIA (ANTIOQUIA)
1981	Ago 19 2016	22:16:26.5	6.47	-76.96	32	1.8	0.4	142	16	BOJAYA (CHOCO)
1982	Ago 19 2016	22:37:58.2	2.20	-75.58	16	1.5	0.5	88	15	GARZON (HUILA)
1983	Ago 19 2016	22:57:55.7	4.14	-76.78	29	1.8	0.5	128	17	CALIMA (VALLE)
1984	Ago 19 2016	23:04: 8.9	6.78	-73.16	139	1.7	0.3	135	13	LOS SANTOS (SANTANDER)
1985	Ago 19 2016	23:24:39.2	6.76	-73.15	144	1.5	0.2	136	9	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
1986	Ago 20 2016	00:24: 2.0	8.05	-74.21	23	1.8	0.3	218	19	SANTA ROSA DEL SUR (BOLIVAR)
1987	Ago 20 2016	00:51: 5.8	6.02	-77.77	22	2.6	0.6	125	42	O. PACIFICO NORTE
1988	Ago 20 2016	01:44:57.3	2.42	-75.50	Sup	2.4	0.5	131	33	GIGANTE (HUILA)
1989	Ago 20 2016	01:54: 3.5	4.39	-73.79	Sup	1.8	0.6	85	20	EL CALVARIO (META)
1990	Ago 20 2016	02:26:24.9	2.76	-74.58	Sup	1.9	0.6	96	14	URIBE (META)
1991	Ago 20 2016	03:35:34.7	7.25	-74.89	10	1.7	0.7	89	17	ZARAGOZA (ANTIOQUIA)
1992	Ago 20 2016	05:28:15.8	6.80	-73.13	147	2.6	0.5	102	37	LOS SANTOS (SANTANDER)
1993	Ago 20 2016	06:02:35.0	7.19	-76.83	27	2.1	0.6	87	22	MURINDO (ANTIOQUIA)
1994	Ago 20 2016	06:30:12.5	6.79	-73.13	153	2.0	0.5	100	24	LOS SANTOS (SANTANDER)
1995	Ago 20 2016	06:57:41.1	6.84	-73.07	147	1.2	0.5	143	10	LOS SANTOS (SANTANDER)
1996	Ago 20 2016	07:07:54.6	6.52	-73.57	18	1.3	0.5	76	12	EL CARMEN (SANTANDER)
1997	Ago 20 2016	07:14:37.7	6.83	-73.10	148	2.2	0.7	121	40	LOS SANTOS (SANTANDER)
1998	Ago 20 2016	07:18:46.3	2.91	-78.08	7	1.5	0.4	123	13	O. PACIFICO SUR
1999	Ago 20 2016	07:25:46.9	6.87	-73.10	147	2.9	0.7	67	64	LOS SANTOS (SANTANDER)
2000	Ago 20 2016	09:27:47.3	6.84	-73.31	122	1.5	0.3	107	16	ZAPATOCA (SANTANDER)
2001	Ago 20 2016	10:03:43.3	6.83	-73.04	151	1.6	0.4	250	20	LOS SANTOS (SANTANDER)
2002	Ago 20 2016	11:52:40.9	6.84	-73.14	149	2.7	0.5	65	56	LOS SANTOS (SANTANDER)
2003	Ago 20 2016	12:50: 0.0	6.38	-73.47	121	2.1	0.5	90	32	CONTRATACION (SANTANDER)
2004	Ago 20 2016	13:21:25.2	5.78	-74.12	Sup	1.5	0.6	73	20	OTANCHE (BOYACA)
2005	Ago 20 2016	15:27:20.1	6.82	-73.11	143	2.7	0.5	72	50	LOS SANTOS (SANTANDER)
2006	Ago 20 2016	15:35:28.3	4.21	-76.34	120	1.6	0.4	157	12	TRUJILLO (VALLE)
2007	Ago 20 2016	16:13:41.7	3.92	-78.86	32	3.9	0.6	93	100	O. PACIFICO SUR
2008	Ago 20 2016	16:42:12.5	6.33	-73.66	107	1.7	0.3	115	13	SANTA HELENA DEL OPO (SANTANDER)
2009	Ago 20 2016	18:52:55.4	6.80	-73.07	136	1.4	0.1	249	8	LOS SANTOS (SANTANDER)
2010	Ago 20 2016	19:09:38.7	6.79	-73.19	121	1.4	0.3	144	8	ZAPATOCA (SANTANDER)
2011	Ago 20 2016	20:07: 5.9	4.83	-75.66	16	1.7	0.2	76	20	DOSQUEBRADAS (RISARALDA)
2012	Ago 20 2016	20:51:24.1	5.64	-74.00	113	1.3	0.2	100	10	PAUNA (BOYACA)
2013	Ago 20 2016	21:11:42.7	6.79	-73.17	148	1.9	0.4	133	17	LOS SANTOS (SANTANDER)
2014	Ago 20 2016	21:28: 8.0	6.81	-73.15	142	1.7	0.4	134	17	LOS SANTOS (SANTANDER)
2015	Ago 21 2016	00:19:15.7	8.28	-72.16	Sup	2.6	0.6	105	22	FRONTERA CON VENEZUELA
2016	Ago 21 2016	00:58:33.3	6.72	-73.56	112	2.2	0.3	80	22	EL CARMEN (SANTANDER)
2017	Ago 21 2016	01:01:26.7	6.79	-73.14	140	2.1	0.5	137	22	LOS SANTOS (SANTANDER)
2018	Ago 21 2016	02:34:27.1	6.72	-73.23	141	1.5	0.4	220	10	VILLANUEVA (SANTANDER)
2019	Ago 21 2016	02:52:38.0	6.84	-77.79	28	3.0	0.4	161	10	O. PACIFICO NORTE
2020	Ago 21 2016	03:44:28.6	5.13	-73.01	Sup	1.9	0.7	142	18	PAEZ (BOYACA)
2021	Ago 21 2016	04:29:55.2	5.89	-73.79	110	1.5	0.5	136	18	JESUS MARIA (SANTANDER)
2022	Ago 21 2016	04:57:25.7	7.09	-76.10	Sup	2.1	0.5	167	22	DABEIBA (ANTIOQUIA)
2023	Ago 21 2016	05:03:19.6	6.76	-73.16	147	1.5	0.4	243	10	LOS SANTOS (SANTANDER)
2024	Ago 21 2016	05:05:35.5	6.82	-73.18	150	1.7	0.4	240	12	ZAPATOCA (SANTANDER)
2025	Ago 21 2016	05:06:35.6	5.46	-76.43	52	1.6	0.2	230	8	BAGADO (CHOCO)
2026	Ago 21 2016	05:12:44.0	6.78	-73.18	134	1.7	0.5	138	12	LOS SANTOS (SANTANDER)
2027	Ago 21 2016	05:32: 9.1	6.54	-73.56	108	2.0	0.5	126	16	EL CARMEN (SANTANDER)
2028	Ago 21 2016	05:58:19.5	8.69	-74.13	26	1.8	0.4	108	17	ALTOS DEL ROSARIO (BOLIVAR)
2029	Ago 21 2016	06:24:40.4	6.78	-73.16	146	1.5	0.5	244	10	LOS SANTOS (SANTANDER)
2030	Ago 21 2016	07:55:41.4	6.74	-73.30	128	1.7	0.5	142	15	ZAPATOCA (SANTANDER)
2031	Ago 21 2016	08:37:12.7	6.77	-72.95	146	1.6	0.4	266	10	CEPITA (SANTANDER)
2032	Ago 21 2016	09:06:33.3	6.78	-73.12	147	2.3	0.5	140	30	LOS SANTOS (SANTANDER)
2033	Ago 21 2016	09:21: 6.4	6.80	-73.16	144	2.7	0.5	70	46	LOS SANTOS (SANTANDER)
2034	Ago 21 2016	09:32:41.1	6.80	-73.28	128	1.2	0.4	209	8	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2035	Ago 21 2016	09:36:48.2	6.74	-73.06	150	1.2	0.4	279	8	JORDAN (SANTANDER)
2036	Ago 21 2016	09:38:60.0	6.82	-73.15	143	1.2	0.4	250	8	LOS SANTOS (SANTANDER)
2037	Ago 21 2016	10:40:59.6	6.84	-73.09	150	2.8	0.5	53	52	LOS SANTOS (SANTANDER)
2038	Ago 21 2016	11:18:30.0	2.04	-75.76	Sup	1.7	0.4	102	14	GUADALUPE (HUILA)
2039	Ago 21 2016	11:53:50.6	5.95	-72.62	Sup	1.4	0.5	261	12	SOCHA (BOYACA)
2040	Ago 21 2016	14:12:50.7	5.81	-74.31	70	1.9	0.6	81	18	OTANCHE (BOYACA)
2041	Ago 21 2016	15:29:44.4	3.99	-76.32	104	1.8	0.3	125	7	SAN PEDRO (VALLE)
2042	Ago 21 2016	15:42:15.2	5.26	-73.72	144	2.2	0.4	78	26	CUCUNUBA (CUNDINAMARCA)
2043	Ago 21 2016	15:51:14.5	6.67	-74.45	25	1.5	0.5	155	10	PUERTO BERRIO (ANTIOQUIA)
2044	Ago 21 2016	16:50:33.7	6.73	-73.13	141	1.7	0.6	255	8	JORDAN (SANTANDER)
2045	Ago 21 2016	17:45:11.8	5.83	-75.95	51	1.3	0.3	113	10	HISPANIA (ANTIOQUIA)
2046	Ago 21 2016	18:45:12.2	6.85	-73.13	147	2.9	0.9	69	56	LOS SANTOS (SANTANDER)
2047	Ago 21 2016	19:19:56.6	6.81	-73.11	143	2.3	0.4	102	26	LOS SANTOS (SANTANDER)
2048	Ago 21 2016	19:33:56.3	7.70	-74.20	15	1.5	0.3	229	8	SANTA ROSA DEL SUR (BOLIVAR)
2049	Ago 21 2016	20:21:58.4	5.27	-73.73	146	1.5	0.1	134	8	LENGUAZAQUE (CUNDINAMARCA)
2050	Ago 21 2016	20:55:25.0	6.75	-73.15	150	2.1	0.5	119	20	LOS SANTOS (SANTANDER)
2051	Ago 21 2016	21:17:56.2	3.86	-77.46	70	3.6	0.5	53	0	O. PACIFICO SUR
2052	Ago 21 2016	21:17:56.2	3.86	-77.46	70	3.6	0.5	53	82	O. PACIFICO SUR
2053	Ago 21 2016	23:17:25.6	7.68	-73.76	30	1.5	0.2	208	9	SAN PABLO (BOLIVAR)
2054	Ago 22 2016	00:50:33.2	6.82	-73.16	149	1.5	0.5	238	19	LOS SANTOS (SANTANDER)
2055	Ago 22 2016	01:01:52.8	3.80	-78.77	17	2.3	0.5	283	14	O. PACIFICO SUR
2056	Ago 22 2016	01:16:35.0	6.79	-73.13	143	2.0	0.5	139	30	LOS SANTOS (SANTANDER)
2057	Ago 22 2016	01:42:19.5	6.81	-73.12	147	2.3	0.5	61	42	LOS SANTOS (SANTANDER)
2058	Ago 22 2016	01:52:21.1	6.79	-73.17	150	1.9	0.5	234	24	LOS SANTOS (SANTANDER)
2059	Ago 22 2016	03:00:15.2	7.42	-74.10	Sup	1.2	0.4	214	9	SAN PABLO (BOLIVAR)
2060	Ago 22 2016	03:33:16.2	4.28	-76.54	50	1.4	0.4	199	8	TRUJILLO (VALLE)
2061	Ago 22 2016	03:51:42.3	7.25	-77.09	15	1.8	0.5	171	20	RIOSUCIO (CHOCO)
2062	Ago 22 2016	03:56:13.0	5.65	-74.69	Sup	0.9	0.3	95	10	PUERTO SALGAR (CUNDINAMARCA)
2063	Ago 22 2016	03:56:34.1	5.80	-74.09	Sup	1.4	0.6	197	12	FLORIAN (SANTANDER)
2064	Ago 22 2016	04:01: 3.7	6.76	-73.19	149	1.2	0.4	234	8	LOS SANTOS (SANTANDER)
2065	Ago 22 2016	04:22:53.9	1.94	-75.05	Sup	1.9	0.6	93	17	PUERTO RICO (CAQUETA)
2066	Ago 22 2016	04:54:30.8	6.82	-73.17	147	1.6	0.5	243	11	ZAPATOCA (SANTANDER)
2067	Ago 22 2016	04:57: 5.8	6.80	-73.13	143	2.3	0.5	101	42	LOS SANTOS (SANTANDER)
2068	Ago 22 2016	04:59:52.3	6.75	-73.08	150	1.1	0.4	273	8	LOS SANTOS (SANTANDER)
2069	Ago 22 2016	05:12:51.2	6.94	-76.26	Sup	2.4	0.7	52	51	DABEIBA (ANTIOQUIA)
2070	Ago 22 2016	05:37:29.7	3.87	-76.32	117	1.3	0.2	155	8	BUGA (VALLE)
2071	Ago 22 2016	06:01:42.4	10.50	-73.41	79	1.9	0.4	120	16	PUEBLO BELLO (CESAR)
2072	Ago 22 2016	06:23:10.0	6.74	-73.17	149	1.3	0.3	241	9	LOS SANTOS (SANTANDER)
2073	Ago 22 2016	06:33:41.5	6.84	-76.24	Sup	2.0	0.6	192	18	URAMITA (ANTIOQUIA)
2074	Ago 22 2016	06:34: 7.5	6.84	-73.14	144	2.4	0.5	252	18	LOS SANTOS (SANTANDER)
2075	Ago 22 2016	06:58:55.0	6.75	-73.16	134	1.2	0.5	242	10	LOS SANTOS (SANTANDER)
2076	Ago 22 2016	07:04: 8.4	6.53	-73.60	100	1.7	0.5	123	12	EL CARMEN (SANTANDER)
2077	Ago 22 2016	07:11:57.8	3.95	-76.32	116	1.3	0.3	126	8	BUGA (VALLE)
2078	Ago 22 2016	07:43:34.6	6.35	-73.63	114	1.4	0.5	151	12	SANTA HELENA DEL OPO (SANTANDER)
2079	Ago 22 2016	08:54:16.4	11.01	-73.71	Sup	1.6	0.5	163	10	PUEBLO BELLO (CESAR)
2080	Ago 22 2016	09:05: 8.5	8.59	-72.82	Sup	2.0	0.6	120	15	TIBU (N.SANTANDER)
2081	Ago 22 2016	09:22:10.9	6.58	-73.41	119	1.6	0.3	117	20	HATO (SANTANDER)
2082	Ago 22 2016	10:04:27.1	5.98	-73.77	106	1.4	0.3	264	9	BOLIVAR (SANTANDER)
2083	Ago 22 2016	10:07:59.9	6.65	-73.15	155	1.4	0.4	225	9	VILLANUEVA (SANTANDER)
2084	Ago 22 2016	11:38:26.5	6.37	-73.58	106	1.6	0.4	220	8	SANTA HELENA DEL OPO (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2085	Ago 22 2016	14:29:42.1	8.51	-73.11	133	2.4	0.5	119	22	EL TARRA (N.SANTANDER)
2086	Ago 22 2016	15:07:41.3	3.77	-76.23	115	1.6	0.2	190	7	GINEBRA (VALLE)
2087	Ago 22 2016	15:24:44.2	8.58	-74.40	13	2.4	0.4	265	10	TIQUISIO (BOLIVAR)
2088	Ago 22 2016	18:22:53.7	6.81	-73.12	147	3.2	0.5	67	62	LOS SANTOS (SANTANDER)
2089	Ago 22 2016	18:44:56.4	6.86	-73.55	106	1.8	0.5	159	10	SAN VICENTE DE CHUCURI (SANTANDER)
2090	Ago 22 2016	18:47: 2.7	6.79	-73.15	149	2.4	0.4	65	28	LOS SANTOS (SANTANDER)
2091	Ago 22 2016	19:51: 5.9	4.78	-76.13	99	2.7	0.4	57	40	ARGELIA (VALLE)
2092	Ago 22 2016	19:52:54.5	6.27	-73.63	96	1.7	0.7	114	14	SANTA HELENA DEL OPOON (SANTANDER)
2093	Ago 22 2016	20:29:47.5	6.54	-73.13	154	1.7	0.2	221	8	SAN GIL (SANTANDER)
2094	Ago 22 2016	21:31:19.7	6.79	-73.16	147	2.0	0.4	235	20	LOS SANTOS (SANTANDER)
2095	Ago 22 2016	21:37:37.1	7.20	-73.43	106	1.6	0.2	158	8	SABANA DE TORRES (SANTANDER)
2096	Ago 22 2016	22:28:56.4	5.65	-72.56	Sup	2.2	0.4	197	28	LABRANZAGRANDE (BOYACA)
2097	Ago 23 2016	00:04:27.8	6.78	-73.16	150	1.7	0.4	235	15	LOS SANTOS (SANTANDER)
2098	Ago 23 2016	00:09:19.4	2.38	-75.36	10	1.9	0.7	95	13	ALGECIRAS (HUILA)
2099	Ago 23 2016	01:07:37.3	9.96	-74.27	45	2.8	0.5	97	47	SABANAS DE SAN ANGEL (MAGDALENA)
2100	Ago 23 2016	01:51:13.5	6.79	-73.10	144	1.9	0.5	222	26	LOS SANTOS (SANTANDER)
2101	Ago 23 2016	02:54:56.5	7.51	-74.21	78	1.0	0.4	151	8	SAN PABLO (BOLIVAR)
2102	Ago 23 2016	03:10:12.4	6.83	-73.18	140	1.8	0.5	130	26	ZAPATOCA (SANTANDER)
2103	Ago 23 2016	03:29:11.3	6.67	-73.07	140	1.2	0.4	280	9	ARATOCA (SANTANDER)
2104	Ago 23 2016	03:47:21.1	6.88	-73.29	125	2.0	0.6	52	37	BETULIA (SANTANDER)
2105	Ago 23 2016	04:13: 1.1	7.42	-73.17	128	1.7	0.4	190	18	EL PLAYON (SANTANDER)
2106	Ago 23 2016	04:19:51.9	6.77	-73.12	148	1.5	0.6	230	15	LOS SANTOS (SANTANDER)
2107	Ago 23 2016	04:38:36.9	4.06	-75.75	Sup	1.4	0.7	85	19	GENOVA (QUINDIO)
2108	Ago 23 2016	05:03:23.9	9.18	-74.81	8	1.6	0.5	152	14	MAGANGUE (BOLIVAR)
2109	Ago 23 2016	05:42: 8.1	6.81	-73.15	143	2.0	0.4	135	32	LOS SANTOS (SANTANDER)
2110	Ago 23 2016	06:13:31.2	6.16	-73.58	113	1.6	0.5	75	26	LA PAZ (SANTANDER)
2111	Ago 23 2016	07:15:27.4	2.63	-76.66	Sup	1.3	0.3	149	10	CAJIBIO (CAUCA)
2112	Ago 23 2016	07:18:51.5	6.82	-76.69	Sup	1.2	0.3	284	8	MURINDO (ANTIOQUIA)
2113	Ago 23 2016	07:32:24.8	2.42	-75.58	18	1.2	0.5	125	10	GIGANTE (HUILA)
2114	Ago 23 2016	07:48:58.2	6.81	-73.10	150	2.8	0.6	54	60	LOS SANTOS (SANTANDER)
2115	Ago 23 2016	09:32:15.2	6.77	-73.12	152	1.4	0.3	238	10	LOS SANTOS (SANTANDER)
2116	Ago 23 2016	09:37:12.4	6.85	-73.15	153	3.4	0.6	69	87	LOS SANTOS (SANTANDER)
2117	Ago 23 2016	09:59:47.3	6.53	-73.57	103	1.3	0.5	188	8	EL CARMEN (SANTANDER)
2118	Ago 23 2016	10:30:37.7	6.77	-73.13	141	1.7	0.5	139	15	LOS SANTOS (SANTANDER)
2119	Ago 23 2016	10:55: 4.9	4.79	-77.58	29	2.7	0.7	205	41	O. PACIFICO CENTRO
2120	Ago 23 2016	11:11:21.3	6.62	-73.15	27	1.6	0.5	142	11	VILLANUEVA (SANTANDER)
2121	Ago 23 2016	11:27:31.6	6.79	-73.13	145	2.3	0.4	138	18	LOS SANTOS (SANTANDER)
2122	Ago 23 2016	12:02:49.0	6.81	-73.14	143	2.3	0.4	137	16	LOS SANTOS (SANTANDER)
2123	Ago 23 2016	12:24:45.7	7.34	-77.03	27	2.0	0.5	111	12	RIOSUCIO (CHOCO)
2124	Ago 23 2016	12:27:18.1	6.28	-73.73	98	1.8	0.4	147	10	LANDAZURI (SANTANDER)
2125	Ago 23 2016	13:29: 2.6	7.48	-73.88	6	2.3	0.5	126	14	SAN PABLO (BOLIVAR)
2126	Ago 23 2016	14:17:12.6	7.43	-73.90	23	1.6	0.2	226	8	SAN PABLO (BOLIVAR)
2127	Ago 23 2016	18:58:52.4	7.82	-75.21	24	1.7	0.2	236	8	CAUCASIA (ANTIOQUIA)
2128	Ago 23 2016	19:11:10.2	6.79	-73.14	144	2.0	0.3	136	14	LOS SANTOS (SANTANDER)
2129	Ago 23 2016	19:16:37.7	7.74	-75.24	12	3.7	0.8	47	65	CACERES (ANTIOQUIA)
2130	Ago 23 2016	22:08:41.4	5.89	-74.87	Sup	1.5	0.5	90	14	SAN LUIS (ANTIOQUIA)
2131	Ago 23 2016	23:02:39.8	6.80	-73.15	145	2.1	0.3	135	17	LOS SANTOS (SANTANDER)
2132	Ago 23 2016	23:50:21.0	6.73	-73.19	135	1.1	0.3	133	8	VILLANUEVA (SANTANDER)
2133	Ago 24 2016	01:02:45.4	6.80	-73.14	147	2.9	0.5	54	0	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2134	Ago 24 2016	01:02:45.4	6.80	-73.14	147	2.9	0.5	54	59	LOS SANTOS (SANTANDER)
2135	Ago 24 2016	01:58: 0.8	3.84	-71.32	8	3.7	0.6	215	83	PUERTO GAITAN (META)
2136	Ago 24 2016	02:24:22.2	6.79	-73.13	145	1.9	0.4	138	25	LOS SANTOS (SANTANDER)
2137	Ago 24 2016	02:36:31.1	4.07	-71.38	Sup	2.1	0.5	275	12	OROCUE (CASANARE)
2138	Ago 24 2016	02:43:35.2	6.79	-73.13	143	1.8	0.5	139	20	LOS SANTOS (SANTANDER)
<u>2139</u>	<u>Ago 24 2016</u>	<u>02:59:22.6</u>	<u>7.20</u>	<u>-72.19</u>	<u>Sup</u>	<u>3.7</u>	<u>0.5</u>	<u>102</u>	<u>0</u>	<u>CUBARA (BOYACA)</u>
2140	Ago 24 2016	02:59:22.6	7.20	-72.19	0	3.7	0.5	102	86	CUBARA (BOYACA)
2141	Ago 24 2016	03:05:16.3	6.80	-73.09	145	2.1	0.6	103	40	LOS SANTOS (SANTANDER)
2142	Ago 24 2016	03:26:36.7	6.80	-73.12	144	1.5	0.6	185	18	LOS SANTOS (SANTANDER)
2143	Ago 24 2016	03:39:14.2	8.61	-73.36	132	1.9	0.5	86	15	EL CARMEN (N.SANTANDER)
2144	Ago 24 2016	03:41:11.5	6.83	-73.11	146	2.0	0.6	121	34	LOS SANTOS (SANTANDER)
2145	Ago 24 2016	03:57: 1.8	6.77	-73.15	143	1.0	0.4	235	8	LOS SANTOS (SANTANDER)
2146	Ago 24 2016	04:00:59.5	6.82	-73.12	152	1.3	0.5	242	11	LOS SANTOS (SANTANDER)
2147	Ago 24 2016	04:21:53.1	6.73	-73.73	94	1.0	0.3	112	8	EL CARMEN (SANTANDER)
2148	Ago 24 2016	04:25: 7.5	6.75	-73.19	151	1.2	0.4	229	8	LOS SANTOS (SANTANDER)
2149	Ago 24 2016	04:25:59.2	6.74	-73.21	156	1.1	0.3	225	7	VILLANUEVA (SANTANDER)
2150	Ago 24 2016	04:26:54.8	6.78	-73.18	146	1.3	0.4	232	12	LOS SANTOS (SANTANDER)
2151	Ago 24 2016	04:56:51.3	6.80	-73.08	144	1.7	0.5	124	23	LOS SANTOS (SANTANDER)
2152	Ago 24 2016	05:18:50.4	6.79	-73.14	137	1.7	0.5	136	29	LOS SANTOS (SANTANDER)
2153	Ago 24 2016	05:19:26.7	6.76	-73.12	140	1.5	0.5	141	15	LOS SANTOS (SANTANDER)
2154	Ago 24 2016	05:34:51.3	2.69	-74.97	Sup	1.5	0.5	111	18	RIVERA (HUILA)
2155	Ago 24 2016	06:17:33.2	6.78	-73.15	138	1.8	0.4	136	24	LOS SANTOS (SANTANDER)
2156	Ago 24 2016	06:33: 6.2	6.82	-73.14	146	2.0	0.5	135	26	LOS SANTOS (SANTANDER)
2157	Ago 24 2016	06:57: 4.4	10.56	-73.54	Sup	2.0	0.5	150	7	PUEBLO BELLO (CESAR)
2158	Ago 24 2016	07:08:57.3	7.43	-73.19	126	1.4	0.3	109	13	EL PLAYON (SANTANDER)
2159	Ago 24 2016	07:11:30.4	6.75	-74.12	Sup	1.0	0.4	95	14	PUERTO PARRA (SANTANDER)
2160	Ago 24 2016	07:30:20.1	6.83	-73.12	149	1.7	0.4	137	22	LOS SANTOS (SANTANDER)
2161	Ago 24 2016	07:42: 7.9	6.83	-73.16	137	1.4	0.3	132	16	LOS SANTOS (SANTANDER)
2162	Ago 24 2016	08:06:26.1	7.59	-73.32	129	1.2	0.5	206	10	LA ESPERANZA (N.SANTANDER)
2163	Ago 24 2016	08:16:37.0	5.45	-78.03	38	1.7	0.3	245	12	O. PACIFICO CENTRO
2164	Ago 24 2016	08:17: 5.8	10.14	-72.80	144	1.7	0.3	201	8	FRONTERA CON VENEZUELA
2165	Ago 24 2016	08:24: 2.5	6.80	-73.17	149	2.0	0.4	133	27	LOS SANTOS (SANTANDER)
2166	Ago 24 2016	08:35:59.8	5.19	-78.08	50	1.9	0.4	269	20	O. PACIFICO CENTRO
2167	Ago 24 2016	09:11:12.7	3.82	-71.46	Sup	2.1	0.4	230	12	PUERTO GAITAN (META)
2168	Ago 24 2016	09:46:36.6	6.79	-73.07	151	2.3	0.5	124	40	LOS SANTOS (SANTANDER)
2169	Ago 24 2016	09:56: 1.5	8.55	-73.73	85	1.8	0.5	106	18	LA GLORIA (CESAR)
2170	Ago 24 2016	09:55:48.7	6.35	-73.68	105	1.4	0.2	144	7	SANTA HELENA DEL OPON (SANTANDER)
2171	Ago 24 2016	10:12:17.5	6.82	-73.13	152	3.5	0.6	53	89	LOS SANTOS (SANTANDER)
2172	Ago 24 2016	13:35:30.8	5.17	-76.10	64	2.4	0.5	130	34	PUEBLO RICO (RISARALDA)
2173	Ago 24 2016	14:49:32.8	6.29	-73.60	108	1.7	0.3	101	12	SANTA HELENA DEL OPON (SANTANDER)
2174	Ago 24 2016	15:14: 5.6	6.91	-76.26	Sup	2.0	0.7	224	14	DABEIBA (ANTIOQUIA)
2175	Ago 24 2016	16:27:20.0	6.85	-73.29	124	1.4	0.4	109	10	ZAPATOCA (SANTANDER)
2176	Ago 24 2016	17:08:41.2	6.96	-76.25	Sup	3.2	0.6	56	56	DABEIBA (ANTIOQUIA)
2177	Ago 24 2016	17:12:48.4	6.98	-76.27	Sup	2.8	0.7	51	51	DABEIBA (ANTIOQUIA)
<u>2178</u>	<u>Ago 24 2016</u>	<u>17:17:31.6</u>	<u>6.92</u>	<u>-76.23</u>	<u>Sup</u>	<u>3.4</u>	<u>0.5</u>	<u>49</u>	<u>82</u>	<u>URAMITA (ANTIOQUIA)</u>
2179	Ago 24 2016	17:22: 7.0	6.94	-76.22	Sup	1.9	0.7	109	16	URAMITA (ANTIOQUIA)
2180	Ago 24 2016	17:23:35.2	6.92	-76.24	Sup	2.2	1.0	111	16	DABEIBA (ANTIOQUIA)
2181	Ago 24 2016	17:27:10.6	6.92	-76.21	Sup	2.1	0.6	109	16	URAMITA (ANTIOQUIA)
2182	Ago 24 2016	18:55:34.7	6.76	-73.04	146	1.8	0.3	127	20	LOS SANTOS (SANTANDER)
2183	Ago 24 2016	19:05: 7.0	5.52	-74.61	15	1.3	0.4	67	18	PUERTO SALGAR (CUNDINAMARCA)
2184	Ago 24 2016	19:10:10.0	6.97	-76.26	Sup	1.1	0.4	251	10	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2185	Ago 24 2016	19:16:25.0	2.00	-75.87	Sup	2.0	0.6	95	28	SUAZA (HUILA)
2186	Ago 24 2016	19:21:32.3	8.25	-73.27	58	1.3	0.7	197	16	LA PLAYA (N.SANTANDER)
2187	Ago 24 2016	19:21:57.0	6.94	-76.27	Sup	1.4	0.5	232	8	DABEIBA (ANTIOQUIA)
2188	Ago 24 2016	19:31:20.4	4.89	-76.15	114	1.6	0.3	142	11	SAN JOSE DEL PALMAR (CHOCO)
2189	Ago 24 2016	19:38:39.2	3.91	-76.40	Sup	1.3	0.4	178	8	YOTOCO (VALLE)
2190	Ago 24 2016	19:45:35.0	6.96	-76.23	Sup	1.8	0.5	202	20	DABEIBA (ANTIOQUIA)
2191	Ago 24 2016	20:11: 6.0	6.94	-76.26	Sup	1.5	0.3	233	8	DABEIBA (ANTIOQUIA)
2192	Ago 24 2016	20:20:31.9	6.81	-73.15	143	1.8	0.3	135	16	LOS SANTOS (SANTANDER)
2193	Ago 24 2016	20:22:45.5	10.99	-75.08	48	1.8	0.2	254	8	MAR CARIBE
2194	Ago 24 2016	20:38:24.3	6.80	-73.15	145	1.7	0.3	166	14	LOS SANTOS (SANTANDER)
2195	Ago 24 2016	21:24:14.9	6.76	-73.14	134	1.6	0.4	138	20	LOS SANTOS (SANTANDER)
2196	Ago 24 2016	22:17:12.3	6.81	-73.16	146	1.3	0.2	133	8	LOS SANTOS (SANTANDER)
2197	Ago 24 2016	22:23:38.7	6.55	-73.57	100	1.1	0.2	139	8	EL CARMEN (SANTANDER)
2198	Ago 24 2016	23:06:33.8	6.76	-73.10	145	2.1	0.4	124	25	LOS SANTOS (SANTANDER)
2199	Ago 24 2016	23:34:40.5	6.76	-73.13	143	1.6	0.2	140	16	LOS SANTOS (SANTANDER)
2200	Ago 25 2016	00:34:24.7	6.57	-73.09	164	1.7	0.4	126	25	SAN GIL (SANTANDER)
2201	Ago 25 2016	00:51:32.9	5.59	-73.89	122	1.1	0.2	198	8	CALDAS (BOYACA)
2202	Ago 25 2016	01:13:47.5	6.77	-73.13	137	1.3	0.4	138	17	LOS SANTOS (SANTANDER)
2203	Ago 25 2016	01:16:45.3	6.82	-73.14	144	1.4	0.5	239	17	LOS SANTOS (SANTANDER)
2204	Ago 25 2016	01:30: 0.1	6.79	-73.11	146	1.5	0.5	241	15	LOS SANTOS (SANTANDER)
2205	Ago 25 2016	02:03:37.3	6.87	-73.12	149	1.9	0.5	120	33	LOS SANTOS (SANTANDER)
2206	Ago 25 2016	02:09:18.3	5.52	-74.60	Sup	0.9	0.2	181	10	PUERTO SALGAR (CUNDINAMARCA)
2207	Ago 25 2016	02:50: 5.1	6.84	-73.10	144	1.1	0.3	281	7	LOS SANTOS (SANTANDER)
2208	Ago 25 2016	03:35:18.4	6.77	-73.14	143	1.5	0.4	138	23	LOS SANTOS (SANTANDER)
2209	Ago 25 2016	04:16:33.4	7.63	-75.27	18	1.5	0.5	175	14	CACERES (ANTIOQUIA)
2210	Ago 25 2016	04:27:58.9	6.80	-73.13	142	1.7	0.5	120	30	LOS SANTOS (SANTANDER)
2211	Ago 25 2016	04:43: 8.8	3.80	-71.41	Sup	2.0	0.4	263	18	PUERTO GAITAN (META)
2212	Ago 25 2016	05:36:28.5	6.83	-73.13	150	1.8	0.5	119	27	LOS SANTOS (SANTANDER)
2213	Ago 25 2016	05:48: 0.4	5.83	-74.22	Sup	0.8	0.5	119	11	OTANCHE (BOYACA)
2214	Ago 25 2016	05:49:21.9	3.88	-75.61	Sup	0.9	0.3	102	9	RONCESVALLES (TOLIMA)
2215	Ago 25 2016	06:31:30.3	6.72	-73.21	147	1.1	0.1	223	8	VILLANUEVA (SANTANDER)
2216	Ago 25 2016	06:37:14.8	7.67	-75.26	20	1.8	0.6	183	14	CACERES (ANTIOQUIA)
2217	Ago 25 2016	06:39: 4.9	3.81	-71.42	Sup	1.9	0.4	262	12	PUERTO GAITAN (META)
2218	Ago 25 2016	06:53:33.3	6.80	-73.15	141	1.1	0.2	237	10	LOS SANTOS (SANTANDER)
2219	Ago 25 2016	07:01:18.6	4.76	-77.82	31	2.7	0.6	188	0	O. PACIFICO CENTRO
2220	Ago 25 2016	07:01:18.6	4.76	-77.82	31	2.7	0.6	188	62	O. PACIFICO CENTRO
2221	Ago 25 2016	07:11: 2.6	6.88	-73.14	146	2.1	0.5	131	33	BETULIA (SANTANDER)
2222	Ago 25 2016	07:20: 2.2	6.82	-73.17	146	1.7	0.5	131	24	ZAPATOCA (SANTANDER)
2223	Ago 25 2016	07:32: 0.5	6.83	-73.16	146	2.0	0.5	133	33	LOS SANTOS (SANTANDER)
2224	Ago 25 2016	08:02:52.1	6.82	-73.10	148	2.5	0.4	53	0	LOS SANTOS (SANTANDER)
2225	Ago 25 2016	08:02:52.1	6.82	-73.10	148	2.5	0.4	53	56	LOS SANTOS (SANTANDER)
2226	Ago 25 2016	08:24:17.1	2.00	-76.07	Sup	1.8	0.4	89	24	SALADOBLANCO (HUILA)
2227	Ago 25 2016	08:27:17.7	6.82	-73.15	146	2.1	0.5	119	41	LOS SANTOS (SANTANDER)
2228	Ago 25 2016	08:55:47.8	8.54	-74.16	13	1.3	0.1	256	8	TIQUISIO (BOLIVAR)
2229	Ago 25 2016	09:42: 6.3	6.77	-73.14	146	1.4	0.4	138	16	LOS SANTOS (SANTANDER)
2230	Ago 25 2016	09:54:38.2	5.62	-75.94	39	0.9	0.3	139	8	ANDES (ANTIOQUIA)
2231	Ago 25 2016	09:57:41.5	6.81	-73.14	144	1.5	0.5	136	18	LOS SANTOS (SANTANDER)
2232	Ago 25 2016	10:39:16.1	6.76	-73.17	139	1.5	0.3	134	13	LOS SANTOS (SANTANDER)
2233	Ago 25 2016	10:54:21.2	4.82	-74.61	Sup	3.2	0.4	66	32	SAN JUAN DE RIOSECO (CUNDINAMARCA)
2234	Ago 25 2016	11:46:32.4	6.81	-73.12	147	3.4	0.4	72	34	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2235	Ago 25 2016	12:07:23.6	6.76	-73.18	141	1.4	0.3	231	10	LOS SANTOS (SANTANDER)
2236	Ago 25 2016	13:19:21.7	5.31	-77.35	Sup	1.4	0.3	246	8	BAJO BAUDO (CHOCO)
2237	Ago 25 2016	13:39:16.1	6.78	-76.33	Sup	2.6	0.4	123	20	URAMITA (ANTIOQUIA)
2238	Ago 25 2016	13:58:56.3	2.43	-75.60	15	1.6	0.3	123	12	GIGANTE (HUILA)
2239	Ago 25 2016	15:33:53.4	6.81	-73.14	145	2.0	0.3	142	10	LOS SANTOS (SANTANDER)
2240	Ago 25 2016	15:52:26.9	5.93	-77.55	16	2.1	0.6	219	15	O. PACIFICO NORTE
2241	Ago 25 2016	18:12: 8.5	6.78	-73.15	144	2.0	0.5	136	21	LOS SANTOS (SANTANDER)
2242	Ago 25 2016	19:05:11.6	6.81	-73.15	150	3.5	0.5	53	72	LOS SANTOS (SANTANDER)
2243	Ago 25 2016	19:35:52.2	7.43	-75.36	12	2.0	0.4	130	14	CACERES (ANTIOQUIA)
2244	Ago 25 2016	19:40: 6.0	5.71	-73.97	98	1.5	0.5	89	13	TUNUNGUA (BOYACA)
2245	Ago 25 2016	20:07: 3.3	6.87	-73.37	122	2.2	0.5	91	20	SAN VICENTE DE CHUCURI (SANTANDER)
2246	Ago 25 2016	20:20:20.8	5.43	-73.78	142	2.3	0.5	120	22	SUSA (CUNDINAMARCA)
2247	Ago 25 2016	21:10:50.6	3.86	-78.81	44	2.3	0.3	285	17	O. PACIFICO SUR
2248	Ago 25 2016	21:39:30.5	5.89	-74.86	Sup	1.7	0.4	74	20	SAN LUIS (ANTIOQUIA)
2249	Ago 25 2016	23:11:12.0	4.81	-76.10	113	1.5	0.2	125	8	ARGELIA (VALLE)
2250	Ago 25 2016	23:51:57.2	6.98	-76.14	Sup	1.6	0.4	121	14	URAMITA (ANTIOQUIA)
2251	Ago 26 2016	00:32:26.8	6.78	-73.17	134	1.6	0.4	134	16	LOS SANTOS (SANTANDER)
2252	Ago 26 2016	00:43: 3.6	4.09	-76.59	64	1.5	0.4	114	14	CALIMA (VALLE)
2253	Ago 26 2016	02:32:58.7	6.79	-73.14	150	1.5	0.4	237	12	LOS SANTOS (SANTANDER)
2254	Ago 26 2016	02:47:16.5	6.79	-72.99	147	1.5	0.5	252	13	CEPITA (SANTANDER)
2255	Ago 26 2016	03:15:21.0	2.39	-72.64	Sup	2.1	0.6	242	10	EL RETORNO (GUAVIARE)
2256	Ago 26 2016	04:55:15.4	6.80	-73.14	152	4.4	0.5	53	0	LOS SANTOS (SANTANDER)
2257	Ago 26 2016	04:55:15.4	6.80	-73.14	152	4.4	0.5	53	119	LOS SANTOS (SANTANDER)
2258	Ago 26 2016	05:12:11.7	6.81	-73.18	149	1.8	0.5	130	27	ZAPATOCA (SANTANDER)
2259	Ago 26 2016	05:18:22.4	5.75	-74.23	85	1.3	0.5	99	14	OTANCHE (BOYACA)
2260	Ago 26 2016	05:23:57.3	10.64	-74.29	Sup	1.2	0.4	195	8	PIVIJAY (MAGDALENA)
2261	Ago 26 2016	05:52:18.4	6.77	-73.21	134	1.4	0.5	128	12	ZAPATOCA (SANTANDER)
2262	Ago 26 2016	06:11:19.2	3.85	-71.38	Sup	2.6	0.6	233	36	PUERTO GAITAN (META)
2263	Ago 26 2016	06:24:29.5	6.78	-73.11	141	1.6	0.4	141	22	LOS SANTOS (SANTANDER)
2264	Ago 26 2016	07:05: 6.9	6.83	-73.16	144	1.0	0.3	248	8	LOS SANTOS (SANTANDER)
2265	Ago 26 2016	07:06:47.7	6.78	-73.01	149	1.4	0.4	249	12	CEPITA (SANTANDER)
2266	Ago 26 2016	08:33:32.6	5.27	-73.72	149	2.5	0.5	78	43	LENGUAZAQUE (CUNDINAMARCA)
2267	Ago 26 2016	09:41:15.6	6.82	-73.11	148	1.4	0.3	242	13	LOS SANTOS (SANTANDER)
2268	Ago 26 2016	10:20:25.6	5.61	-72.45	Sup	2.1	0.7	128	23	PAYA (BOYACA)
2269	Ago 26 2016	10:42:15.2	3.42	-74.73	22	1.9	0.6	89	22	COLOMBIA (HUILA)
2270	Ago 26 2016	11:14: 8.9	6.89	-76.22	Sup	1.5	0.5	200	10	URAMITA (ANTIOQUIA)
2271	Ago 26 2016	11:46:58.6	6.81	-73.11	150	2.8	0.5	56	57	LOS SANTOS (SANTANDER)
2272	Ago 26 2016	12:04: 0.3	6.92	-76.21	Sup	1.7	0.6	196	14	URAMITA (ANTIOQUIA)
2273	Ago 26 2016	12:16:49.7	6.79	-73.13	142	2.7	0.5	100	36	LOS SANTOS (SANTANDER)
2274	Ago 26 2016	12:32:59.3	7.49	-73.21	21	3.0	0.6	49	43	EL PLAYON (SANTANDER)
2275	Ago 26 2016	14:35: 7.5	5.84	-74.20	Sup	1.5	0.6	154	12	OTANCHE (BOYACA)
2276	Ago 26 2016	15:42:39.2	6.76	-73.07	139	2.0	0.3	147	13	LOS SANTOS (SANTANDER)
2277	Ago 26 2016	16:49:35.5	6.52	-73.75	89	1.7	0.5	132	10	SANTA HELENA DEL OPON (SANTANDER)
2278	Ago 26 2016	18:08:49.7	7.00	-73.22	143	2.7	0.7	61	50	GIRON (SANTANDER)
2279	Ago 26 2016	19:16:58.0	6.84	-73.14	146	2.7	0.6	70	56	LOS SANTOS (SANTANDER)
2280	Ago 26 2016	20:01:41.6	6.78	-73.18	136	1.5	0.1	142	7	LOS SANTOS (SANTANDER)
2281	Ago 26 2016	21:50:29.2	4.41	-76.30	117	2.2	0.3	185	10	EL DOVIO (VALLE)
2282	Ago 26 2016	23:21:15.9	6.80	-73.18	146	1.9	0.5	131	14	ZAPATOCA (SANTANDER)
2283	Ago 26 2016	23:31:36.8	6.78	-73.12	142	1.8	0.3	140	16	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2284	Ago 27 2016	00:15:41.7	6.95	-76.31	Sup	1.6	0.4	239	16	DABEIBA (ANTIOQUIA)
2285	Ago 27 2016	00:25:48.1	6.79	-73.11	151	1.8	0.5	122	26	LOS SANTOS (SANTANDER)
2286	Ago 27 2016	01:12:52.6	4.87	-76.21	104	2.4	0.5	69	56	SAN JOSE DEL PALMAR (CHOCO)
2287	Ago 27 2016	01:22:34.6	1.99	-75.83	Sup	1.1	0.2	148	8	SUAZA (HUILA)
2288	Ago 27 2016	01:49:46.0	5.95	-73.76	109	1.3	0.4	83	17	BOLIVAR (SANTANDER)
2289	Ago 27 2016	02:40:16.8	5.93	-72.68	Sup	1.4	0.6	199	16	SOCHA (BOYACA)
2290	Ago 27 2016	02:56:33.2	5.83	-74.26	80	1.0	0.2	150	8	OTANCHE (BOYACA)
2291	Ago 27 2016	04:13:25.2	8.20	-73.04	155	1.7	0.5	210	13	HACARI (N.SANTANDER)
2292	Ago 27 2016	05:29:12.4	6.80	-73.13	150	1.7	0.5	120	28	LOS SANTOS (SANTANDER)
2293	Ago 27 2016	05:31:39.5	6.81	-73.15	138	1.5	0.5	135	17	LOS SANTOS (SANTANDER)
2294	Ago 27 2016	06:48:37.3	3.81	-71.34	Sup	2.2	0.5	259	20	PUERTO GAITAN (META)
2295	Ago 27 2016	07:02: 1.7	6.83	-73.12	149	3.1	0.6	53	0	LOS SANTOS (SANTANDER)
2296	Ago 27 2016	07:02: 1.7	6.83	-73.12	149	3.1	0.6	53	82	LOS SANTOS (SANTANDER)
2297	Ago 27 2016	07:11: 1.3	6.74	-73.17	149	1.2	0.3	230	10	VILLANUEVA (SANTANDER)
2298	Ago 27 2016	07:30:45.8	6.80	-73.10	150	2.4	0.6	54	49	LOS SANTOS (SANTANDER)
2299	Ago 27 2016	07:48:43.0	6.79	-73.12	146	1.6	0.5	140	20	LOS SANTOS (SANTANDER)
2300	Ago 27 2016	08:09:40.2	6.77	-73.18	155	1.3	0.5	239	8	LOS SANTOS (SANTANDER)
2301	Ago 27 2016	08:35:32.7	6.83	-73.12	146	2.0	0.4	137	33	LOS SANTOS (SANTANDER)
2302	Ago 27 2016	08:57: 0.2	6.72	-73.17	152	1.0	0.2	227	8	VILLANUEVA (SANTANDER)
2303	Ago 27 2016	09:44:33.1	5.37	-75.92	81	0.9	0.3	132	8	MISTRATO (RISARALDA)
2304	Ago 27 2016	11:02: 3.6	6.78	-73.14	148	2.0	0.4	99	27	LOS SANTOS (SANTANDER)
2305	Ago 27 2016	11:30:28.8	6.79	-73.14	143	3.5	0.5	54	79	LOS SANTOS (SANTANDER)
2306	Ago 27 2016	11:58:13.0	6.81	-73.13	148	2.4	0.3	71	35	LOS SANTOS (SANTANDER)
2307	Ago 27 2016	12:03: 2.1	6.76	-73.14	139	1.7	0.4	138	16	LOS SANTOS (SANTANDER)
2308	Ago 27 2016	12:42: 1.3	5.64	-74.37	81	2.6	0.4	59	33	YACOPI (CUNDINAMARCA)
2309	Ago 27 2016	12:54:37.7	5.62	-74.36	83	1.6	0.3	165	12	YACOPI (CUNDINAMARCA)
2310	Ago 27 2016	13:04: 6.9	7.11	-76.66	10	1.9	0.5	183	11	MURINDO (ANTIOQUIA)
2311	Ago 27 2016	13:22:23.9	6.80	-73.14	145	2.8	0.4	71	32	LOS SANTOS (SANTANDER)
2312	Ago 27 2016	14:26:52.4	6.81	-73.11	150	2.8	0.5	103	37	LOS SANTOS (SANTANDER)
2313	Ago 27 2016	15:41:58.0	6.81	-73.10	144	2.2	0.6	122	24	LOS SANTOS (SANTANDER)
2314	Ago 27 2016	16:19:57.1	6.62	-79.08	32	2.8	0.6	170	29	O. PACIFICO NORTE
2315	Ago 27 2016	21:35:16.1	4.80	-76.13	99	1.5	0.4	117	8	ARGELIA (VALLE)
2316	Ago 27 2016	21:54: 7.5	6.78	-73.37	113	1.6	0.2	181	9	SAN VICENTE DE CHUCURI (SANTANDER)
2317	Ago 27 2016	21:55:46.3	6.77	-73.16	142	1.7	0.4	136	12	LOS SANTOS (SANTANDER)
2318	Ago 28 2016	01:05:53.2	9.06	-74.78	88	2.2	0.4	125	19	MAGANGUE (BOLIVAR)
2319	Ago 28 2016	01:56:30.4	6.81	-73.09	150	1.8	0.6	123	22	LOS SANTOS (SANTANDER)
2320	Ago 28 2016	02:46: 7.6	10.66	-75.28	17	1.7	0.6	252	8	VILLANUEVA (BOLIVAR)
2321	Ago 28 2016	02:56: 6.8	6.83	-73.11	131	1.4	0.5	186	11	LOS SANTOS (SANTANDER)
2322	Ago 28 2016	03:01:15.0	3.92	-76.24	110	1.1	0.4	163	11	BUGA (VALLE)
2323	Ago 28 2016	03:49:10.4	6.79	-73.11	139	1.4	0.4	186	10	LOS SANTOS (SANTANDER)
2324	Ago 28 2016	03:52:47.7	6.81	-73.13	145	2.0	0.5	137	30	LOS SANTOS (SANTANDER)
2325	Ago 28 2016	07:31:53.7	6.77	-73.00	151	1.8	0.3	197	15	CEPITA (SANTANDER)
2326	Ago 28 2016	08:47:45.1	6.77	-73.16	144	1.2	0.1	286	8	LOS SANTOS (SANTANDER)
2327	Ago 28 2016	09:08:19.9	3.86	-71.33	Sup	2.3	0.4	246	20	PUERTO GAITAN (META)
2328	Ago 28 2016	09:29:32.0	5.95	-73.76	112	2.3	0.5	44	44	BOLIVAR (SANTANDER)
2329	Ago 28 2016	09:40:44.0	7.12	-76.23	Sup	1.3	0.6	238	10	DABEIBA (ANTIOQUIA)
2330	Ago 28 2016	10:46:48.5	6.75	-73.14	149	1.6	0.4	139	14	LOS SANTOS (SANTANDER)
2331	Ago 28 2016	11:16:53.3	6.75	-73.17	146	1.7	0.4	135	11	LOS SANTOS (SANTANDER)
2332	Ago 28 2016	11:40: 8.3	3.88	-76.08	110	1.8	0.3	242	9	SAN PEDRO (VALLE)
2333	Ago 28 2016	11:58:59.2	6.81	-73.13	148	1.8	0.4	137	18	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2334	Ago 28 2016	12:00:46.5	6.66	-73.16	146	1.5	0.3	139	14	VILLANUEVA (SANTANDER)
2335	Ago 28 2016	12:07:55.3	3.57	-78.97	36	2.3	0.3	292	21	O. PACIFICO SUR
2336	Ago 28 2016	<u>12:23:32.0</u>	<u>7.40</u>	<u>-73.13</u>	Sup	<u>4.1</u>	<u>0.8</u>	<u>54</u>	<u>0</u>	<u>EL PLAYON (SANTANDER)</u>
2337	Ago 28 2016	<u>12:23:32.0</u>	<u>7.40</u>	<u>-73.13</u>	<u>0</u>	<u>4.1</u>	<u>0.8</u>	<u>54</u>	<u>101</u>	<u>EL PLAYON (SANTANDER)</u>
2338	Ago 28 2016	12:32:30.5	10.56	-74.98	29	3.0	0.5	157	48	MANATI (ATLANTICO)
2339	Ago 28 2016	12:42:29.3	7.36	-73.12	7	1.9	0.5	107	16	RIONEGRO (SANTANDER)
2340	Ago 28 2016	12:45:58.6	6.79	-73.12	151	2.1	0.5	139	20	LOS SANTOS (SANTANDER)
2341	Ago 28 2016	15:00:58.0	6.74	-73.11	146	1.5	0.5	143	12	LOS SANTOS (SANTANDER)
2342	Ago 28 2016	16:49:38.0	7.37	-73.12	9	1.8	0.4	108	16	RIONEGRO (SANTANDER)
2343	Ago 28 2016	17:53:49.4	6.53	-73.43	120	1.4	0.1	194	8	HATO (SANTANDER)
2344	Ago 28 2016	21:54: 9.1	2.76	-77.86	17	1.9	0.5	147	14	O. PACIFICO SUR
2345	Ago 28 2016	23:44: 3.0	6.75	-73.18	144	1.4	0.4	229	10	LOS SANTOS (SANTANDER)
2346	Ago 29 2016	01:09: 3.3	6.78	-73.10	145	1.8	0.4	186	18	LOS SANTOS (SANTANDER)
2347	Ago 29 2016	02:57:15.0	1.96	-75.90	Sup	0.6	0.1	137	7	TIMANA (HUILA)
2348	Ago 29 2016	03:29:21.8	6.76	-73.15	149	1.1	0.1	233	8	LOS SANTOS (SANTANDER)
2349	Ago 29 2016	03:30:55.9	6.78	-73.16	148	1.5	0.3	234	15	LOS SANTOS (SANTANDER)
2350	Ago 29 2016	04:13:42.6	6.73	-73.12	142	1.2	0.5	235	12	JORDAN (SANTANDER)
2351	Ago 29 2016	05:39:55.7	6.80	-73.16	145	2.0	0.5	118	40	LOS SANTOS (SANTANDER)
2352	Ago 29 2016	05:41:17.6	6.81	-73.15	144	1.3	0.3	182	13	LOS SANTOS (SANTANDER)
2353	Ago 29 2016	06:10:58.0	6.76	-73.17	147	1.2	0.4	232	11	LOS SANTOS (SANTANDER)
2354	Ago 29 2016	06:52: 8.8	6.77	-73.14	149	1.4	0.4	236	12	LOS SANTOS (SANTANDER)
2355	Ago 29 2016	07:16:47.4	6.26	-75.77	12	1.2	0.3	186	10	EBEJICO (ANTIOQUIA)
2356	Ago 29 2016	07:52: 7.1	4.93	-76.41	92	1.3	0.3	207	10	SAN JOSE DEL PALMAR (CHOCO)
2357	Ago 29 2016	08:05: 8.9	6.77	-73.18	151	1.4	0.5	232	10	LOS SANTOS (SANTANDER)
2358	Ago 29 2016	08:45: 4.7	8.25	-72.11	Sup	2.3	0.4	124	24	FRONTERA CON VENEZUELA
2359	Ago 29 2016	08:58:10.1	3.57	-76.71	8	1.7	0.4	106	19	DAGUA (VALLE)
2360	Ago 29 2016	09:11: 4.6	3.80	-71.32	Sup	2.4	0.4	236	13	PUERTO GAITAN (META)
2361	Ago 29 2016	09:30:54.5	3.83	-71.39	Sup	2.1	0.5	232	11	PUERTO GAITAN (META)
2362	Ago 29 2016	10:33:28.9	6.80	-73.12	145	2.0	0.5	174	24	LOS SANTOS (SANTANDER)
2363	Ago 29 2016	10:59: 1.7	4.48	-75.69	Sup	1.0	0.1	152	8	ARMENIA (QUINDIO)
2364	Ago 29 2016	11:16:23.2	6.80	-73.06	148	2.3	0.6	104	34	LOS SANTOS (SANTANDER)
2365	Ago 29 2016	11:18:52.3	6.87	-73.28	125	2.0	0.3	101	30	BETULIA (SANTANDER)
2366	Ago 29 2016	12:05:33.4	6.82	-73.15	144	1.8	0.3	134	22	LOS SANTOS (SANTANDER)
2367	Ago 29 2016	12:13: 5.8	5.28	-73.69	145	2.2	0.4	80	30	LENGUAZAUQUE (CUNDINAMARCA)
2368	Ago 29 2016	13:20:33.9	6.77	-73.05	144	2.0	0.4	127	26	LOS SANTOS (SANTANDER)
2369	Ago 29 2016	14:28:23.6	4.56	-76.33	109	2.5	0.5	127	32	EL DOVIO (VALLE)
2370	Ago 29 2016	15:22:47.1	5.28	-73.70	149	2.1	0.4	79	32	LENGUAZAUQUE (CUNDINAMARCA)
2371	Ago 29 2016	16:03:12.5	6.83	-72.98	142	1.4	0.4	156	8	CEPITA (SANTANDER)
2372	Ago 29 2016	16:08:54.0	2.28	-75.45	14	1.6	0.3	101	12	GIGANTE (HUILA)
2373	Ago 29 2016	16:44: 8.7	6.75	-73.03	149	1.7	0.4	245	12	ARATOCA (SANTANDER)
2374	Ago 29 2016	18:48:19.3	3.43	-74.76	Sup	2.6	0.6	148	30	COLOMBIA (HUILA)
2375	Ago 29 2016	19:01:36.5	6.80	-73.15	143	1.9	0.6	237	15	LOS SANTOS (SANTANDER)
2376	Ago 29 2016	19:15: 3.2	6.02	-73.66	117	2.4	0.5	79	32	VELEZ (SANTANDER)
2377	Ago 29 2016	19:59: 6.6	5.00	-76.02	113	2.3	0.5	113	22	LA CELIA (RISARALDA)
2378	Ago 29 2016	23:55:39.3	6.74	-73.59	111	1.7	0.6	75	19	EL CARMEN (SANTANDER)
2379	Ago 30 2016	00:28:31.4	3.74	-74.09	Sup	1.3	0.6	139	15	LEJANIAS (META)
2380	Ago 30 2016	01:25: 7.1	4.40	-76.35	110	1.4	0.3	120	16	EL DOVIO (VALLE)
2381	Ago 30 2016	01:48:33.0	6.71	-72.97	126	1.2	0.3	250	10	CEPITA (SANTANDER)
2382	Ago 30 2016	01:56:52.6	6.92	-73.39	114	1.5	0.4	118	18	SAN VICENTE DE CHUCURI (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2383	Ago 30 2016	02:14:44.6	6.76	-73.12	151	1.1	0.3	237	10	LOS SANTOS (SANTANDER)
2384	Ago 30 2016	02:25: 1.0	6.73	-73.21	152	1.2	0.2	224	10	VILLANUEVA (SANTANDER)
2385	Ago 30 2016	03:40:31.8	7.88	-76.84	11	1.7	0.5	169	13	APARTADO (ANTIOQUIA)
2386	Ago 30 2016	04:08:13.2	6.81	-73.10	143	1.9	0.4	141	27	LOS SANTOS (SANTANDER)
2387	Ago 30 2016	04:14:50.2	6.79	-73.15	143	1.5	0.3	136	14	LOS SANTOS (SANTANDER)
2388	Ago 30 2016	04:15:58.8	5.96	-73.58	127	0.9	0.4	155	8	BARBOSA (SANTANDER)
2389	Ago 30 2016	04:22:23.8	6.77	-73.14	154	1.0	0.1	235	8	LOS SANTOS (SANTANDER)
2390	Ago 30 2016	04:38:28.6	6.76	-73.16	150	1.1	0.1	232	10	LOS SANTOS (SANTANDER)
2391	Ago 30 2016	04:41:48.1	5.42	-74.05	111	1.5	0.3	103	18	COPER (BOYACA)
2392	Ago 30 2016	04:42:24.9	6.84	-73.08	168	1.3	0.2	283	8	LOS SANTOS (SANTANDER)
2393	Ago 30 2016	05:28:47.0	6.75	-73.16	150	1.2	0.2	232	8	LOS SANTOS (SANTANDER)
2394	Ago 30 2016	05:44:52.1	6.81	-73.12	154	2.3	0.5	53	37	LOS SANTOS (SANTANDER)
2395	Ago 30 2016	05:59: 0.7	6.81	-73.11	137	1.6	0.4	187	18	LOS SANTOS (SANTANDER)
2396	Ago 30 2016	06:20: 3.2	6.78	-73.12	142	1.6	0.3	185	16	LOS SANTOS (SANTANDER)
2397	Ago 30 2016	06:35:36.7	0.27	-77.40	Sup	2.4	0.6	168	22	FRONTERA CON ECUADOR
2398	Ago 30 2016	06:39:51.9	7.36	-73.12	8	1.8	0.4	106	16	RIONEGRO (SANTANDER)
2399	Ago 30 2016	08:30:48.9	6.78	-73.31	121	1.5	0.3	97	20	ZAPATOCA (SANTANDER)
2400	Ago 30 2016	09:07:10.9	6.77	-73.08	147	1.8	0.4	124	24	LOS SANTOS (SANTANDER)
2401	Ago 30 2016	09:32: 5.7	6.75	-73.11	146	1.4	0.3	143	12	LOS SANTOS (SANTANDER)
2402	Ago 30 2016	09:51:27.5	7.45	-73.17	127	2.1	0.4	81	29	EL PLAYON (SANTANDER)
2403	Ago 30 2016	10:19:24.2	6.80	-73.14	147	1.5	0.3	136	12	LOS SANTOS (SANTANDER)
2404	Ago 30 2016	15:36: 9.7	7.35	-73.12	11	1.5	0.4	177	12	RIONEGRO (SANTANDER)
2405	Ago 30 2016	17:21: 8.5	6.82	-73.15	150	3.0	0.5	53	55	LOS SANTOS (SANTANDER)
2406	Ago 30 2016	18:07:17.2	7.38	-73.14	Sup	2.4	0.4	107	23	EL PLAYON (SANTANDER)
2407	Ago 30 2016	21:01: 8.5	6.52	-73.50	114	2.0	0.5	68	23	EL CARMEN (SANTANDER)
2408	Ago 30 2016	21:29: 3.2	6.80	-73.13	143	2.2	0.5	72	30	LOS SANTOS (SANTANDER)
2409	Ago 30 2016	22:28:47.1	8.52	-72.10	Sup	2.1	0.5	204	8	FRONTERA CON VENEZUELA
2410	Ago 30 2016	22:55:31.5	3.72	-76.88	57	1.6	0.1	111	9	DAGUA (VALLE)
2411	Ago 30 2016	23:18:57.1	6.78	-73.14	148	1.4	0.4	138	12	LOS SANTOS (SANTANDER)
2412	Ago 30 2016	23:40:57.4	6.79	-73.14	147	2.1	0.4	137	24	LOS SANTOS (SANTANDER)
2413	Ago 31 2016	00:03:19.0	6.74	-73.16	150	1.9	0.5	137	15	VILLANUEVA (SANTANDER)
2414	Ago 31 2016	00:32:18.6	6.54	-74.10	19	1.5	0.1	147	8	PUERTO PARRA (SANTANDER)
2415	Ago 31 2016	00:35:56.1	6.73	-73.15	146	1.8	0.4	231	10	LOS SANTOS (SANTANDER)
2416	Ago 31 2016	00:41:13.6	7.66	-72.30	125	1.7	0.1	160	11	FRONTERA CON VENEZUELA
2417	Ago 31 2016	00:57: 5.9	5.27	-73.71	146	2.8	0.5	65	47	LENGUAZAQUE (CUNDINAMARCA)
2418	Ago 31 2016	02:21:11.6	6.80	-73.14	153	3.1	0.5	53	56	LOS SANTOS (SANTANDER)
2419	Ago 31 2016	03:15: 0.2	6.79	-73.14	139	2.2	0.4	71	29	LOS SANTOS (SANTANDER)
2420	Ago 31 2016	03:28:31.1	6.75	-73.15	141	1.8	0.5	233	12	LOS SANTOS (SANTANDER)
2421	Ago 31 2016	04:33:27.4	7.02	-73.98	27	1.3	0.1	209	7	YONDO (ANTIOQUIA)
2422	Ago 31 2016	04:57:39.5	4.66	-74.94	Sup	2.5	0.5	53	47	VENADILLO (TOLIMA)
2423	Ago 31 2016	05:11:44.9	4.63	-74.90	Sup	1.3	0.4	215	12	ALVARADO (TOLIMA)
2424	Ago 31 2016	05:36:52.9	5.63	-73.98	109	1.8	0.3	92	21	PAUNA (BOYACA)
2425	Ago 31 2016	07:29:31.4	5.59	-74.44	Sup	2.0	0.5	63	30	YACOPI (CUNDINAMARCA)
2426	Ago 31 2016	08:07: 7.8	6.83	-73.14	147	2.4	0.5	70	36	LOS SANTOS (SANTANDER)
2427	Ago 31 2016	08:20: 1.5	7.23	-77.02	14	2.2	0.5	167	17	RIOSUCIO (CHOCO)
2428	Ago 31 2016	08:37:55.6	6.78	-73.12	146	2.0	0.4	167	27	LOS SANTOS (SANTANDER)
2429	Ago 31 2016	10:03:25.3	6.73	-73.13	153	1.2	0.2	234	9	LOS SANTOS (SANTANDER)
2430	Ago 31 2016	10:06:39.2	7.21	-73.06	153	1.6	0.2	195	18	TONA (SANTANDER)
2431	Ago 31 2016	10:09:50.5	6.60	-73.65	82	1.0	0.2	97	14	EL CARMEN (SANTANDER)
2432	Ago 31 2016	10:57:45.1	6.77	-73.16	148	1.2	0.2	234	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2433	Ago 31 2016	11:56:19.2	6.88	-73.08	150	1.6	0.3	251	10	PIEDRECUESTA (SANTANDER)
2434	Ago 31 2016	12:04: 1.9	6.78	-73.04	146	2.4	0.4	105	40	LOS SANTOS (SANTANDER)
2435	Ago 31 2016	12:14:15.1	6.75	-73.15	147	1.3	0.2	233	10	LOS SANTOS (SANTANDER)
2436	Ago 31 2016	13:09:28.3	6.81	-73.16	147	2.0	0.4	134	24	LOS SANTOS (SANTANDER)
2437	Ago 31 2016	13:52: 1.2	6.83	-73.10	147	2.2	0.5	122	34	LOS SANTOS (SANTANDER)
2438	Ago 31 2016	14:09:58.1	2.03	-75.78	Sup	2.4	0.7	79	34	GUADALUPE (HUILA)
2439	Ago 31 2016	14:30:13.0	6.78	-73.11	145	2.1	0.3	122	26	LOS SANTOS (SANTANDER)
2440	Ago 31 2016	15:47:28.5	6.83	-73.12	147	2.6	0.5	120	44	LOS SANTOS (SANTANDER)
2441	Ago 31 2016	16:04:29.7	6.81	-73.11	152	2.8	0.5	60	47	LOS SANTOS (SANTANDER)
2442	Ago 31 2016	16:16:12.0	6.81	-73.11	151	3.6	0.5	68	56	LOS SANTOS (SANTANDER)
2443	Ago 31 2016	18:14:50.7	7.31	-73.11	9	1.5	0.3	196	9	RIONEGRO (SANTANDER)
2444	Ago 31 2016	18:19:25.4	6.91	-73.22	126	1.3	0.3	242	7	BETULIA (SANTANDER)
2445	Ago 31 2016	18:36:42.4	5.59	-74.08	112	1.9	0.3	108	12	SAN PABLO DE BORBUR (BOYACA)
2446	Ago 31 2016	18:52:54.6	6.89	-73.30	121	2.5	0.4	158	26	BETULIA (SANTANDER)
2447	Ago 31 2016	20:04: 7.4	6.81	-73.14	148	2.0	0.4	119	24	LOS SANTOS (SANTANDER)
2448	Ago 31 2016	20:41:29.3	5.29	-73.73	152	1.8	0.5	132	16	LENGUAZAQUE (CUNDINAMARCA)
2449	Ago 31 2016	22:30:17.1	6.25	-74.69	Sup	1.5	0.4	87	13	PUERTO NARE (ANTIOQUIA)
2450	Ago 31 2016	23:34:44.7	7.13	-76.23	Sup	1.4	0.5	242	8	DABEIBA (ANTIOQUIA)
2451	Sep 1 2016	01:22: 2.4	7.29	-73.02	168	2.4	0.3	83	36	MATANZA (SANTANDER)
2452	Sep 1 2016	01:25:32.5	6.80	-73.14	146	1.5	0.5	238	12	LOS SANTOS (SANTANDER)
2453	Sep 1 2016	01:28: 9.7	6.53	-73.79	74	1.4	0.8	98	12	CIMITARRA (SANTANDER)
2454	Sep 1 2016	01:34:12.8	6.77	-73.13	145	2.0	0.4	139	26	LOS SANTOS (SANTANDER)
2455	Sep 1 2016	01:40: 0.3	6.91	-76.29	Sup	1.1	0.3	235	8	DABEIBA (ANTIOQUIA)
2456	Sep 1 2016	01:58:50.9	5.03	-72.63	Sup	1.1	0.2	257	8	TAURAMENA (CASANARE)
2457	Sep 1 2016	02:06:26.5	3.86	-74.08	6	1.9	0.5	74	27	CUBARRAL (META)
2458	Sep 1 2016	02:53: 8.1	6.37	-73.60	109	1.6	0.3	80	17	SANTA HELENA DEL OPON (SANTANDER)
2459	Sep 1 2016	03:27:45.9	6.90	-76.22	Sup	2.1	0.5	158	24	URAMITA (ANTIOQUIA)
2460	Sep 1 2016	03:28:50.6	6.76	-73.16	149	1.7	0.5	242	10	LOS SANTOS (SANTANDER)
2461	Sep 1 2016	04:25:41.8	6.96	-76.19	13	1.4	0.2	171	7	URAMITA (ANTIOQUIA)
2462	Sep 1 2016	04:25:53.8	7.76	-74.50	31	1.6	0.3	220	15	EL BAGRE (ANTIOQUIA)
2463	Sep 1 2016	05:29:57.6	6.74	-73.14	136	1.4	0.4	233	11	LOS SANTOS (SANTANDER)
2464	Sep 1 2016	06:12: 4.1	6.78	-73.10	139	1.9	0.5	187	18	LOS SANTOS (SANTANDER)
2465	Sep 1 2016	06:33:42.4	6.72	-73.19	147	0.9	0.2	226	8	VILLANUEVA (SANTANDER)
2466	Sep 1 2016	07:05:45.9	6.74	-73.18	145	1.4	0.4	229	10	VILLANUEVA (SANTANDER)
2467	Sep 1 2016	07:20:53.5	6.90	-76.19	Sup	1.0	0.4	185	10	URAMITA (ANTIOQUIA)
2468	Sep 1 2016	07:53:16.7	6.76	-73.09	140	1.5	0.3	145	13	LOS SANTOS (SANTANDER)
2469	Sep 1 2016	08:09:20.4	3.84	-71.40	Sup	2.2	0.5	232	11	PUERTO GAITAN (META)
2470	Sep 1 2016	08:20:59.6	6.90	-76.20	Sup	1.5	0.5	176	16	URAMITA (ANTIOQUIA)
2471	Sep 1 2016	08:42:40.6	6.78	-73.11	147	1.7	0.3	186	15	LOS SANTOS (SANTANDER)
2472	Sep 1 2016	08:56:45.9	6.75	-73.12	147	1.3	0.2	237	12	LOS SANTOS (SANTANDER)
2473	Sep 1 2016	09:06:12.7	6.82	-73.11	141	1.5	0.3	186	13	LOS SANTOS (SANTANDER)
2474	Sep 1 2016	09:14:32.0	4.81	-76.18	103	1.8	0.1	119	8	EL CAIRO (VALLE)
2475	Sep 1 2016	09:26: 9.1	3.82	-76.62	82	1.9	0.3	114	8	RESTREPO (VALLE)
2476	Sep 1 2016	09:30:21.1	5.66	-75.88	42	1.9	0.3	119	19	ANDES (ANTIOQUIA)
2477	Sep 1 2016	10:05:59.6	4.41	-76.19	Sup	1.2	0.3	151	10	ROLDANILLO (VALLE)
2478	Sep 1 2016	10:13: 4.5	6.80	-73.13	138	1.3	0.4	245	10	LOS SANTOS (SANTANDER)
2479	Sep 1 2016	10:36:50.1	6.73	-73.17	148	1.5	0.2	228	10	VILLANUEVA (SANTANDER)
2480	Sep 1 2016	11:17:54.3	1.88	-76.03	26	1.3	0.2	165	10	PITALITO (HUILA)
2481	Sep 1 2016	13:51: 9.1	7.33	-76.25	Sup	2.4	0.8	157	33	MUTATA (ANTIOQUIA)
2482	Sep 1 2016	14:11: 7.8	4.11	-76.32	134	2.8	0.7	69	52	RIOFRIO (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2483	Sep 1 2016	14:21:53.7	6.78	-73.15	143	1.8	0.4	136	18	LOS SANTOS (SANTANDER)
2484	Sep 1 2016	15:31:29.4	2.53	-77.07	Sup	2.9	0.5	57	50	EL TAMBO (CAUCA)
2485	Sep 1 2016	16:28:28.9	5.06	-76.30	94	2.8	0.7	92	53	SAN JOSE DEL PALMAR (CHOCO)
2486	Sep 1 2016	16:38:22.1	6.76	-73.14	149	1.6	0.3	208	18	LOS SANTOS (SANTANDER)
2487	Sep 1 2016	17:33:14.9	4.58	-75.79	150	2.1	0.3	82	23	MONTENEGRO (QUINDIO)
2488	Sep 1 2016	17:54:59.3	6.85	-73.31	122	1.8	0.5	109	14	BETULIA (SANTANDER)
2489	Sep 1 2016	18:37:11.4	6.56	-73.52	113	2.3	0.4	65	36	EL CARMEN (SANTANDER)
2490	Sep 1 2016	18:49:30.7	6.91	-76.32	Sup	2.1	0.3	245	14	DABEIBA (ANTIOQUIA)
2491	Sep 1 2016	19:14:11.7	6.79	-73.09	153	2.0	0.4	123	24	LOS SANTOS (SANTANDER)
2492	Sep 1 2016	19:57:33.0	5.67	-75.79	Sup	1.4	0.5	98	13	JARDIN (ANTIOQUIA)
2493	Sep 1 2016	20:31:35.0	6.32	-74.70	Sup	1.2	0.5	149	12	CARACOLI (ANTIOQUIA)
2494	Sep 1 2016	20:44:40.5	6.79	-73.16	147	1.6	0.3	134	14	LOS SANTOS (SANTANDER)
2495	Sep 1 2016	21:57:44.6	6.82	-73.12	142	2.6	0.6	71	42	LOS SANTOS (SANTANDER)
2496	Sep 1 2016	22:56:45.1	6.65	-73.44	120	1.7	0.5	78	18	EL CARMEN (SANTANDER)
2497	Sep 1 2016	23:39:40.7	6.78	-73.15	149	1.4	0.4	137	14	LOS SANTOS (SANTANDER)
2498	Sep 2 2016	01:16:12.2	6.92	-76.25	Sup	1.4	0.3	218	9	DABEIBA (ANTIOQUIA)
2499	Sep 2 2016	01:26:31.1	4.31	-75.96	17	2.3	0.3	74	19	SEVILLA (VALLE)
2500	Sep 2 2016	02:32:55.9	6.78	-73.14	149	2.0	0.4	137	24	LOS SANTOS (SANTANDER)
2501	Sep 2 2016	03:14:48.4	7.65	-75.24	Sup	1.7	0.5	182	18	CACERES (ANTIOQUIA)
2502	Sep 2 2016	03:34:48.9	6.88	-76.24	Sup	2.3	0.5	113	26	URAMITA (ANTIOQUIA)
2503	Sep 2 2016	03:36:13.1	6.89	-76.27	Sup	2.1	0.5	224	22	DABEIBA (ANTIOQUIA)
2504	Sep 2 2016	03:44:32.5	6.78	-73.18	132	1.3	0.2	142	8	LOS SANTOS (SANTANDER)
2505	Sep 2 2016	04:13:12.4	6.05	-73.67	110	0.9	0.4	133	8	CHIPATA (SANTANDER)
2506	Sep 2 2016	04:55:22.9	6.81	-73.13	152	3.5	0.5	53	0	LOS SANTOS (SANTANDER)
2507	Sep 2 2016	04:55:22.9	6.81	-73.13	152	3.5	0.5	53	90	LOS SANTOS (SANTANDER)
2508	Sep 2 2016	05:23:41.1	6.73	-73.15	143	1.4	0.4	231	12	LOS SANTOS (SANTANDER)
2509	Sep 2 2016	05:47:44.7	7.85	-76.83	16	2.2	0.4	157	25	CAREPA (ANTIOQUIA)
2510	Sep 2 2016	05:52:23.7	6.77	-73.12	143	1.2	0.3	237	11	LOS SANTOS (SANTANDER)
2511	Sep 2 2016	06:12: 0.5	6.76	-73.16	141	1.2	0.4	136	11	LOS SANTOS (SANTANDER)
2512	Sep 2 2016	06:27:19.1	6.09	-73.72	118	0.8	0.3	110	8	EL PENON (SANTANDER)
2513	Sep 2 2016	07:15:45.8	6.76	-73.09	148	1.1	0.3	144	13	LOS SANTOS (SANTANDER)
2514	Sep 2 2016	07:24:44.0	6.78	-73.14	144	1.8	0.4	138	22	LOS SANTOS (SANTANDER)
2515	Sep 2 2016	07:26: 2.3	6.79	-73.15	143	1.3	0.5	136	14	LOS SANTOS (SANTANDER)
2516	Sep 2 2016	07:26:43.0	6.84	-73.16	139	1.3	0.3	132	9	ZAPATOCA (SANTANDER)
2517	Sep 2 2016	08:26:28.0	6.74	-73.18	144	1.2	0.4	229	8	VILLANUEVA (SANTANDER)
2518	Sep 2 2016	08:51: 1.6	7.08	-76.31	Sup	1.4	0.3	244	15	DABEIBA (ANTIOQUIA)
2519	Sep 2 2016	09:01: 3.0	6.82	-73.14	149	2.4	0.4	71	45	LOS SANTOS (SANTANDER)
2520	Sep 2 2016	09:30:57.6	6.74	-73.52	111	1.1	0.3	140	9	EL CARMEN (SANTANDER)
2521	Sep 2 2016	09:42: 7.2	6.77	-73.13	147	1.6	0.2	139	14	LOS SANTOS (SANTANDER)
2522	Sep 2 2016	09:47:26.6	4.19	-76.22	124	1.6	0.3	140	12	ANDALUCIA (VALLE)
2523	Sep 2 2016	09:53:23.1	6.75	-73.14	150	1.7	0.3	138	12	LOS SANTOS (SANTANDER)
2524	Sep 2 2016	10:08:59.0	6.87	-76.52	Sup	1.3	0.3	255	12	MURINDO (ANTIOQUIA)
2525	Sep 2 2016	10:12: 9.7	6.91	-72.09	Sup	1.9	0.7	106	24	CUBARA (BOYACA)
2526	Sep 2 2016	10:30:45.0	5.67	-72.81	Sup	1.6	0.5	151	21	MONGUI (BOYACA)
2527	Sep 2 2016	10:32:24.7	6.88	-73.13	143	1.1	0.2	282	8	PIEDECUSTA (SANTANDER)
2528	Sep 2 2016	10:42:31.9	5.68	-72.85	Sup	3.1	0.7	99	45	MONGUI (BOYACA)
2529	Sep 2 2016	11:09:33.1	6.60	-74.62	Sup	1.1	0.3	131	12	MACEO (ANTIOQUIA)
2530	Sep 2 2016	11:42: 7.6	5.33	-73.75	145	1.6	0.3	128	18	LENGUAZQUE (CUNDINAMARCA)
2531	Sep 2 2016	12:44:45.7	6.80	-73.14	149	1.6	0.3	209	18	LOS SANTOS (SANTANDER)
2532	Sep 2 2016	13:32:29.3	6.86	-73.10	148	2.7	0.6	121	46	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2533	Sep 2 2016	13:43:51.3	3.76	-77.02	22	1.9	0.7	122	18	BUENAVENTURA (VALLE)
2534	Sep 2 2016	13:47:39.7	5.68	-73.89	111	2.0	0.7	183	11	BRICENO (BOYACA)
2535	Sep 2 2016	14:26:46.0	5.63	-76.56	Sup	1.2	0.2	269	7	QUIBDO (CHOCO)
2536	Sep 2 2016	17:53:20.0	6.78	-73.14	148	1.9	0.3	138	16	LOS SANTOS (SANTANDER)
2537	Sep 2 2016	18:37: 6.5	6.95	-73.12	160	2.2	0.4	130	17	PIEDRECUESTA (SANTANDER)
2538	Sep 2 2016	18:46: 2.7	6.79	-73.15	149	1.5	0.0	141	6	LOS SANTOS (SANTANDER)
2539	Sep 2 2016	19:15:40.9	6.75	-73.11	145	1.6	0.1	142	7	LOS SANTOS (SANTANDER)
2540	Sep 2 2016	21:06:35.4	6.79	-73.15	147	1.6	0.3	136	13	LOS SANTOS (SANTANDER)
2541	Sep 2 2016	22:10:28.0	6.79	-73.11	143	1.9	0.4	141	18	LOS SANTOS (SANTANDER)
2542	Sep 2 2016	22:15: 1.3	6.82	-73.16	159	1.3	0.6	133	10	LOS SANTOS (SANTANDER)
2543	Sep 2 2016	23:39:23.2	6.78	-73.14	141	1.9	0.3	137	15	LOS SANTOS (SANTANDER)
2544	Sep 3 2016	00:11:22.4	6.03	-72.91	18	1.6	0.5	220	10	BELEN (BOYACA)
2545	Sep 3 2016	00:24:59.5	6.78	-73.16	141	1.4	0.1	135	10	LOS SANTOS (SANTANDER)
2546	Sep 3 2016	00:36:39.8	5.66	-72.85	Sup	2.4	0.5	154	26	MONGUI (BOYACA)
2547	Sep 3 2016	00:54:44.6	6.78	-73.14	147	1.5	0.4	236	10	LOS SANTOS (SANTANDER)
2548	Sep 3 2016	00:58:20.0	9.95	-74.06	61	1.6	0.4	140	10	SABANAS DE SAN ANGEL (MAGDALENA)
2549	Sep 3 2016	02:00:28.0	6.76	-73.15	148	1.2	0.4	234	10	LOS SANTOS (SANTANDER)
2550	Sep 3 2016	03:07: 5.3	3.16	-79.08	23	1.7	0.5	286	12	O. PACIFICO SUR
2551	Sep 3 2016	03:15:50.0	6.70	-73.17	143	1.2	0.3	227	8	VILLANUEVA (SANTANDER)
2552	Sep 3 2016	03:22:26.0	5.07	-73.12	Sup	1.4	0.6	128	14	CAMPOHERMOSO (BOYACA)
2553	Sep 3 2016	03:23:30.5	6.76	-73.11	145	1.7	0.4	143	15	LOS SANTOS (SANTANDER)
2554	Sep 3 2016	03:27:56.1	6.56	-74.13	21	1.1	0.3	143	9	PUERTO PARRA (SANTANDER)
2555	Sep 3 2016	03:50:18.0	2.55	-75.33	23	1.3	0.4	263	9	ALGECIRAS (HUILA)
2556	Sep 3 2016	04:27:19.7	6.75	-73.15	145	1.0	0.5	232	9	LOS SANTOS (SANTANDER)
2557	Sep 3 2016	04:49:14.9	8.09	-73.50	102	1.6	0.5	166	12	SAN MARTIN (CESAR)
2558	Sep 3 2016	04:52:40.9	6.92	-76.28	Sup	1.6	0.5	219	17	DABEIBA (ANTIOQUIA)
2559	Sep 3 2016	05:08:45.8	6.79	-73.11	148	2.1	0.5	121	28	LOS SANTOS (SANTANDER)
2560	Sep 3 2016	05:27:29.3	6.79	-73.12	141	2.0	0.5	72	26	LOS SANTOS (SANTANDER)
2561	Sep 3 2016	05:43:41.0	6.90	-76.31	Sup	1.1	0.5	238	8	DABEIBA (ANTIOQUIA)
2562	Sep 3 2016	05:47: 3.2	6.22	-73.81	99	0.9	0.3	124	8	LANDAZURI (SANTANDER)
2563	Sep 3 2016	06:17:33.2	6.87	-73.40	120	1.6	0.3	85	24	SAN VICENTE DE CHUCURI (SANTANDER)
2564	Sep 3 2016	07:18:54.0	3.98	-71.55	Sup	1.7	0.3	270	10	PUERTO GAITAN (META)
2565	Sep 3 2016	08:19:56.4	7.31	-76.15	26	1.6	0.2	128	16	MUTATA (ANTIOQUIA)
2566	Sep 3 2016	08:31: 4.2	6.77	-73.16	147	1.2	0.4	233	10	LOS SANTOS (SANTANDER)
2567	Sep 3 2016	09:50:28.7	3.82	-71.39	Sup	3.4	0.5	217	68	PUERTO GAITAN (META)
2568	Sep 3 2016	10:10: 3.5	6.80	-73.12	148	2.2	0.5	121	42	LOS SANTOS (SANTANDER)
2569	Sep 3 2016	11:26:49.2	6.79	-73.16	144	1.4	0.2	135	14	LOS SANTOS (SANTANDER)
2570	Sep 3 2016	13:28:46.9	10.04	-73.58	86	2.2	0.4	99	20	BOSCONIA (CESAR)
2571	Sep 3 2016	13:42: 9.5	4.16	-76.38	62	1.4	0.2	123	8	TRUJILLO (VALLE)
2572	Sep 3 2016	14:02:10.8	6.87	-73.29	123	1.7	0.4	107	24	BETULIA (SANTANDER)
2573	Sep 3 2016	15:01: 3.4	6.80	-73.10	145	1.7	0.3	141	20	LOS SANTOS (SANTANDER)
2574	Sep 3 2016	15:24:35.1	7.08	-74.69	25	1.6	0.4	130	12	SEGOVIA (ANTIOQUIA)
2575	Sep 3 2016	15:45:17.5	6.84	-73.16	151	1.8	0.5	132	15	LOS SANTOS (SANTANDER)
2576	Sep 3 2016	16:24:23.6	6.80	-73.13	152	1.7	0.5	138	13	LOS SANTOS (SANTANDER)
2577	Sep 3 2016	16:43:49.0	6.86	-76.31	Sup	1.7	0.6	167	14	URAMITA (ANTIOQUIA)
2578	Sep 3 2016	16:47:58.9	6.87	-76.32	Sup	1.5	0.8	236	12	DABEIBA (ANTIOQUIA)
2579	Sep 3 2016	18:26:30.4	10.09	-75.81	26	2.8	0.3	189	21	MAR CARIBE
2580	Sep 3 2016	18:41:54.5	1.95	-75.91	24	1.7	0.0	140	7	TIMANA (HUILA)
2581	Sep 3 2016	20:32:44.5	6.74	-73.13	147	1.3	0.4	140	8	LOS SANTOS (SANTANDER)
2582	Sep 3 2016	21:18:32.9	4.02	-71.36	Sup	2.5	0.6	231	16	OROCUE (CASANARE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2583	Sep 3 2016	21:27:42.7	6.77	-73.12	145	1.7	0.4	141	14	LOS SANTOS (SANTANDER)
2584	Sep 3 2016	21:36:31.6	6.77	-73.10	146	1.6	0.3	143	10	LOS SANTOS (SANTANDER)
2585	Sep 3 2016	22:15:16.9	6.78	-73.11	146	2.0	0.5	141	19	LOS SANTOS (SANTANDER)
2586	Sep 3 2016	22:29:22.4	6.30	-73.63	111	1.4	0.5	103	10	SANTA HELENA DEL OPON (SANTANDER)
2587	Sep 3 2016	23:23:29.7	7.84	-74.48	27	1.9	0.4	201	10	NECHI (ANTIOQUIA)
2588	Sep 4 2016	00:08:46.9	6.77	-73.15	141	1.8	0.4	137	16	LOS SANTOS (SANTANDER)
2589	Sep 4 2016	00:19:47.3	2.38	-75.67	Sup	1.5	0.3	168	10	TESALIA (HUILA)
2590	Sep 4 2016	02:29:26.9	6.76	-73.09	150	1.6	0.3	145	11	LOS SANTOS (SANTANDER)
2591	Sep 4 2016	03:14:40.0	7.35	-76.98	8	1.7	0.5	91	17	RIOSUCIO (CHOCO)
2592	Sep 4 2016	03:50:38.9	3.05	-74.25	Sup	2.0	0.4	89	23	URIBE (META)
2593	Sep 4 2016	04:00:32.5	4.56	-73.47	Sup	1.6	0.5	89	15	GACHALA (CUNDINAMARCA)
2594	Sep 4 2016	04:04:55.0	6.77	-73.16	146	1.5	0.4	136	13	LOS SANTOS (SANTANDER)
2595	Sep 4 2016	04:27:40.1	6.75	-73.18	152	1.3	0.3	230	9	LOS SANTOS (SANTANDER)
2596	Sep 4 2016	04:30:34.7	7.73	-74.54	46	1.3	0.4	216	10	EL BAGRE (ANTIOQUIA)
2597	Sep 4 2016	05:34:32.1	6.79	-73.13	143	2.0	0.5	138	23	LOS SANTOS (SANTANDER)
2598	Sep 4 2016	05:54:19.3	4.86	-76.24	102	2.1	0.4	134	22	EL CAIRO (VALLE)
2599	Sep 4 2016	06:12: 5.0	8.86	-73.92	100	3.5	0.5	43	0	TAMALAMEQUE (CESAR)
2600	Sep 4 2016	06:12: 5.0	8.86	-73.92	100	3.5	0.5	43	69	TAMALAMEQUE (CESAR)
2601	Sep 4 2016	06:46:15.3	6.80	-73.18	139	1.4	0.3	235	12	ZAPATOCA (SANTANDER)
2602	Sep 4 2016	06:53: 0.1	1.93	-75.04	Sup	1.8	0.4	159	9	PUERTO RICO (CAQUETA)
2603	Sep 4 2016	07:38: 8.7	5.93	-77.33	Sup	1.8	0.3	212	11	O. PACIFICO NORTE
2604	Sep 4 2016	08:56:37.0	6.81	-73.16	148	1.9	0.4	103	25	LOS SANTOS (SANTANDER)
2605	Sep 4 2016	09:25:25.7	6.81	-73.11	150	1.4	0.4	242	12	LOS SANTOS (SANTANDER)
2606	Sep 4 2016	09:30:23.8	8.86	-73.34	123	2.0	0.5	164	21	PAILITAS (CESAR)
2607	Sep 4 2016	09:39: 7.1	6.82	-73.15	144	1.4	0.3	244	10	LOS SANTOS (SANTANDER)
2608	Sep 4 2016	10:06:51.0	6.91	-76.20	Sup	1.9	0.5	188	16	URAMITA (ANTIOQUIA)
2609	Sep 4 2016	10:14:46.5	6.72	-73.15	142	1.7	0.4	156	10	JORDAN (SANTANDER)
2610	Sep 4 2016	10:22: 3.6	6.91	-76.24	Sup	1.9	0.5	197	14	URAMITA (ANTIOQUIA)
2611	Sep 4 2016	10:28:26.8	6.80	-76.57	8	1.7	0.5	258	12	MURINDO (ANTIOQUIA)
2612	Sep 4 2016	12:04:41.4	6.82	-73.15	141	2.4	0.5	70	32	LOS SANTOS (SANTANDER)
2613	Sep 4 2016	12:17:15.1	6.72	-73.17	147	1.6	0.3	228	10	VILLANUEVA (SANTANDER)
2614	Sep 4 2016	12:58:39.0	6.58	-73.44	119	2.4	0.5	58	30	EL CARMEN (SANTANDER)
2615	Sep 4 2016	13:24:54.2	6.75	-73.13	155	1.5	0.2	236	8	LOS SANTOS (SANTANDER)
2616	Sep 4 2016	13:27:44.8	6.81	-73.13	146	2.2	0.4	137	26	LOS SANTOS (SANTANDER)
2617	Sep 4 2016	13:59: 6.4	6.81	-73.15	148	2.3	0.4	135	30	LOS SANTOS (SANTANDER)
2618	Sep 4 2016	14:57: 0.9	3.88	-77.07	21	1.7	0.4	131	8	BUENAVENTURA (VALLE)
2619	Sep 4 2016	15:37:26.7	7.26	-73.40	121	2.4	0.5	77	28	SABANA DE TORRES (SANTANDER)
2620	Sep 4 2016	15:44: 0.4	6.82	-73.12	141	2.8	0.5	138	37	LOS SANTOS (SANTANDER)
2621	Sep 4 2016	15:55:14.2	6.88	-73.31	124	2.0	0.5	102	20	BETULIA (SANTANDER)
2622	Sep 4 2016	16:08:15.6	5.20	-74.71	25	1.6	0.3	169	13	HONDA (TOLIMA)
2623	Sep 4 2016	16:54:53.5	11.48	-73.30	8	2.3	0.3	190	11	MAR CARIBE
2624	Sep 4 2016	17:42:38.6	4.42	-76.14	128	1.9	0.6	107	14	ROLDANILLO (VALLE)
2625	Sep 4 2016	18:37:39.4	6.80	-73.12	143	2.5	0.5	121	35	LOS SANTOS (SANTANDER)
2626	Sep 4 2016	19:18:54.7	6.84	-73.10	149	1.8	0.5	245	10	LOS SANTOS (SANTANDER)
2627	Sep 4 2016	19:19:51.9	6.76	-73.19	154	1.2	0.2	229	7	LOS SANTOS (SANTANDER)
2628	Sep 4 2016	20:56: 1.5	7.73	-73.93	62	3.4	0.6	35	0	SIMITI (BOLIVAR)
2629	Sep 4 2016	20:56: 1.5	7.73	-73.93	62	3.4	0.6	35	82	SIMITI (BOLIVAR)
2630	Sep 4 2016	22:27:51.9	6.75	-73.18	152	1.5	0.4	230	10	LOS SANTOS (SANTANDER)
2631	Sep 4 2016	22:57:49.6	6.32	-74.34	20	1.3	0.3	114	11	PUERTO BERRIO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2632	Sep 5 2016	00:15:30.7	8.41	-77.24	Sup	2.0	0.4	169	8	ACANDI (CHOCO)
2633	Sep 5 2016	00:35:30.5	6.82	-73.14	149	1.9	0.5	136	17	LOS SANTOS (SANTANDER)
2634	Sep 5 2016	01:29:54.5	3.12	-75.27	Sup	2.1	0.4	127	17	AIPE (HUILA)
2635	Sep 5 2016	01:40:12.3	5.86	-76.19	50	1.0	0.1	282	7	EL CARMEN (CHOCO)
2636	Sep 5 2016	02:19:10.1	6.85	-73.14	152	1.3	0.2	134	10	LOS SANTOS (SANTANDER)
2637	Sep 5 2016	03:41: 3.3	2.32	-75.40	Sup	1.3	0.6	126	15	GIGANTE (HUILA)
2638	Sep 5 2016	04:50:21.5	7.96	-74.14	25	1.2	0.0	240	7	SANTA ROSA DEL SUR (BOLIVAR)
2639	Sep 5 2016	05:16: 9.0	6.81	-73.13	150	2.6	0.5	66	50	LOS SANTOS (SANTANDER)
2640	Sep 5 2016	05:49:34.6	1.04	-78.37	22	2.0	0.2	151	11	FRONTERA CON ECUADOR
2641	Sep 5 2016	06:31:17.0	6.80	-73.14	150	2.7	0.3	55	51	LOS SANTOS (SANTANDER)
2642	Sep 5 2016	06:50:24.9	6.89	-73.34	118	1.8	0.5	152	18	BETULIA (SANTANDER)
2643	Sep 5 2016	06:58:28.1	6.78	-73.13	150	1.3	0.3	138	13	LOS SANTOS (SANTANDER)
2644	Sep 5 2016	07:22:18.9	5.63	-74.34	83	2.0	0.4	70	31	LA VICTORIA (BOYACA)
2645	Sep 5 2016	08:40:36.6	7.14	-76.18	Sup	1.3	0.5	215	12	DABEIBA (ANTIOQUIA)
2646	Sep 5 2016	10:01:29.3	5.02	-76.66	62	1.1	0.2	235	10	CONDOTO (CHOCO)
2647	Sep 5 2016	10:17:23.6	5.33	-76.47	28	1.0	0.3	245	12	BAGADO (CHOCO)
2648	Sep 5 2016	11:27:25.1	6.79	-73.16	143	1.7	0.2	134	17	LOS SANTOS (SANTANDER)
2649	Sep 5 2016	12:48:28.3	6.80	-73.11	154	1.6	0.3	141	18	LOS SANTOS (SANTANDER)
2650	Sep 5 2016	13:06:27.6	6.80	-73.15	133	1.7	0.3	135	18	LOS SANTOS (SANTANDER)
2651	Sep 5 2016	15:02:55.9	6.84	-73.16	147	1.7	0.3	240	12	LOS SANTOS (SANTANDER)
2652	Sep 5 2016	15:40:25.9	7.11	-76.24	Sup	1.5	0.5	239	10	DABEIBA (ANTIOQUIA)
2653	Sep 5 2016	19:07:52.5	2.39	-75.60	18	1.8	0.2	190	10	GIGANTE (HUILA)
2654	Sep 5 2016	19:28:22.6	6.78	-73.17	145	1.6	0.3	141	10	LOS SANTOS (SANTANDER)
2655	Sep 5 2016	21:01:58.5	3.13	-74.21	Sup	1.7	0.4	195	12	URIBE (META)
2656	Sep 5 2016	21:04:58.3	5.07	-75.95	110	1.3	0.2	156	8	SANTUARIO (RISARALDA)
2657	Sep 5 2016	21:05:38.2	6.82	-73.07	154	3.5	0.6	53	0	LOS SANTOS (SANTANDER)
2658	Sep 5 2016	21:05:38.2	6.82	-73.07	154	3.5	0.6	53	77	LOS SANTOS (SANTANDER)
2659	Sep 5 2016	21:27:38.7	4.70	-74.76	7	1.5	0.4	151	20	PULI (CUNDINAMARCA)
2660	Sep 5 2016	22:00:45.2	5.26	-73.70	147	1.8	0.4	87	24	LENGUAZAQUE (CUNDINAMARCA)
2661	Sep 5 2016	22:19:39.5	6.79	-73.07	149	1.4	0.3	146	12	LOS SANTOS (SANTANDER)
2662	Sep 5 2016	22:37: 2.3	4.66	-74.82	15	1.4	0.6	182	9	VENADILLO (TOLIMA)
2663	Sep 5 2016	23:16:32.1	8.43	-74.88	Sup	2.9	0.7	63	54	SAN JACINTO DEL CAUCA (BOLIVAR)
2664	Sep 5 2016	23:38:28.6	3.36	-76.52	136	1.7	0.3	100	16	CALI (VALLE)
2665	Sep 5 2016	23:45:17.0	6.81	-73.11	150	2.9	0.6	53	66	LOS SANTOS (SANTANDER)
2666	Sep 5 2016	23:50: 2.7	6.81	-73.09	149	2.3	0.4	123	44	LOS SANTOS (SANTANDER)
2667	Sep 6 2016	01:11:56.6	3.74	-76.82	57	1.3	0.4	126	7	DAGUA (VALLE)
2668	Sep 6 2016	01:41: 6.7	2.06	-75.61	38	0.6	0.2	132	6	GARZON (HUILA)
2669	Sep 6 2016	02:13:48.5	7.99	-74.40	12	1.4	0.5	215	12	MONTECRISTO (BOLIVAR)
2670	Sep 6 2016	02:52:36.4	4.74	-76.16	94	2.8	0.4	118	0	ARGELIA (VALLE)
2671	Sep 6 2016	02:52:36.4	4.74	-76.16	94	2.8	0.4	118	53	ARGELIA (VALLE)
2672	Sep 6 2016	03:01:26.7	6.80	-73.14	147	1.5	0.3	137	9	LOS SANTOS (SANTANDER)
2673	Sep 6 2016	03:13: 8.5	6.71	-73.13	148	1.9	0.3	142	13	JORDAN (SANTANDER)
2674	Sep 6 2016	03:17:59.6	7.26	-76.00	Sup	1.4	0.3	224	8	ITUANGO (ANTIOQUIA)
2675	Sep 6 2016	03:24:36.8	6.83	-76.13	Sup	1.4	0.4	238	14	FRONTINO (ANTIOQUIA)
2676	Sep 6 2016	04:26: 9.9	6.80	-73.13	148	1.7	0.3	138	13	LOS SANTOS (SANTANDER)
2677	Sep 6 2016	04:44:43.4	6.77	-73.11	142	1.7	0.3	142	15	LOS SANTOS (SANTANDER)
2678	Sep 6 2016	05:42:15.6	5.21	-74.72	29	0.9	0.1	215	8	HONDA (TOLIMA)
2679	Sep 6 2016	06:03: 1.4	6.78	-73.07	149	1.6	0.5	243	11	LOS SANTOS (SANTANDER)
2680	Sep 6 2016	06:30: 4.5	6.77	-73.13	146	1.8	0.2	139	13	LOS SANTOS (SANTANDER)
2681	Sep 6 2016	06:58:21.9	5.25	-73.69	146	1.7	0.5	80	17	LENGUAZAQUE (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2682	Sep 6 2016	07:52: 9.0	6.81	-73.15	152	1.8	0.4	118	20	LOS SANTOS (SANTANDER)
2683	Sep 6 2016	08:11: 0.6	5.74	-75.86	16	2.6	0.8	90	55	PUEBLORRICO (ANTIOQUIA)
2684	Sep 6 2016	08:52:34.8	6.78	-73.14	151	1.2	0.4	138	11	LOS SANTOS (SANTANDER)
2685	Sep 6 2016	08:53:58.8	6.74	-73.09	137	0.7	0.4	145	9	JORDAN (SANTANDER)
2686	Sep 6 2016	10:03:25.3	4.97	-76.05	115	1.4	0.3	109	12	LA CELIA (RISARALDA)
2687	Sep 6 2016	10:16:26.3	5.45	-73.78	137	1.9	0.4	118	22	SUSA (CUNDINAMARCA)
2688	Sep 6 2016	10:36:46.0	6.76	-73.14	146	1.5	0.3	235	11	LOS SANTOS (SANTANDER)
2689	Sep 6 2016	11:10:51.2	6.77	-73.12	142	1.9	0.4	141	20	LOS SANTOS (SANTANDER)
2690	Sep 6 2016	11:25:16.0	6.67	-73.03	171	2.4	0.4	157	27	ARATOCA (SANTANDER)
2691	Sep 6 2016	11:34:38.4	7.45	-73.34	121	1.4	0.2	258	10	EL PLAYON (SANTANDER)
2692	Sep 6 2016	12:18: 7.0	6.80	-73.13	146	1.5	0.3	239	10	LOS SANTOS (SANTANDER)
2693	Sep 6 2016	15:59:58.0	2.48	-75.45	24	1.8	0.3	242	8	HOBO (HUILA)
2694	Sep 6 2016	16:11:41.6	4.56	-76.78	11	1.5	0.2	273	8	SIPI (CHOCO)
2695	Sep 6 2016	17:45:51.0	6.76	-73.14	143	1.8	0.3	139	12	LOS SANTOS (SANTANDER)
2696	Sep 6 2016	21:05:52.8	6.76	-76.34	10	1.9	0.4	241	15	URAMITA (ANTIOQUIA)
2697	Sep 6 2016	21:37:40.4	6.79	-73.15	150	2.5	0.4	100	33	LOS SANTOS (SANTANDER)
2698	Sep 6 2016	21:49: 7.1	6.79	-73.14	147	2.2	0.4	137	22	LOS SANTOS (SANTANDER)
2699	Sep 6 2016	22:38: 2.0	6.76	-73.10	140	1.9	0.2	144	12	LOS SANTOS (SANTANDER)
2700	Sep 6 2016	23:18: 8.5	6.54	-73.31	131	1.2	0.4	110	8	HATO (SANTANDER)
2701	Sep 6 2016	23:46:42.1	5.73	-77.26	Sup	1.5	0.4	214	9	O. PACIFICO NORTE
2702	Sep 7 2016	00:54:15.1	6.79	-73.04	151	1.6	0.4	247	9	LOS SANTOS (SANTANDER)
2703	Sep 7 2016	00:58:21.6	5.94	-73.77	113	1.3	0.4	130	12	SUCRE (SANTANDER)
2704	Sep 7 2016	01:09:49.2	6.78	-73.13	144	1.8	0.3	138	18	LOS SANTOS (SANTANDER)
2705	Sep 7 2016	03:12:19.9	6.86	-73.11	146	1.4	0.2	282	7	LOS SANTOS (SANTANDER)
2706	Sep 7 2016	03:28: 9.6	6.91	-73.09	142	1.6	0.2	251	9	PIEDECUUESTA (SANTANDER)
2707	Sep 7 2016	03:33:11.5	6.79	-73.15	149	1.6	0.3	136	13	LOS SANTOS (SANTANDER)
2708	Sep 7 2016	05:07:24.6	6.77	-73.15	151	1.7	0.2	137	13	LOS SANTOS (SANTANDER)
2709	Sep 7 2016	05:38:34.1	6.81	-73.10	148	2.5	0.5	54	41	LOS SANTOS (SANTANDER)
2710	Sep 7 2016	05:41:51.0	6.80	-73.15	149	2.0	0.4	135	17	LOS SANTOS (SANTANDER)
2711	Sep 7 2016	05:48:22.8	2.51	-76.00	Sup	1.1	0.3	136	9	INZA (CAUCA)
2712	Sep 7 2016	06:51:24.1	2.86	-74.83	Sup	2.2	0.5	87	22	BARAYA (HUILA)
2713	Sep 7 2016	06:58: 9.8	6.85	-73.16	148	1.7	0.4	132	12	LOS SANTOS (SANTANDER)
2714	Sep 7 2016	07:48:47.2	5.02	-78.28	32	2.2	0.4	235	26	O. PACIFICO CENTRO
2715	Sep 7 2016	07:55:12.4	7.20	-74.10	Sup	1.4	0.2	172	8	PUERTO WILCHES (SANTANDER)
2716	Sep 7 2016	07:55:50.7	6.75	-73.16	150	1.5	0.4	232	8	LOS SANTOS (SANTANDER)
2717	Sep 7 2016	08:14:12.9	6.75	-73.14	147	1.5	0.2	233	11	LOS SANTOS (SANTANDER)
2718	Sep 7 2016	08:45:54.8	1.87	-76.19	Sup	2.2	0.3	123	22	ISNOS (HUILA)
2719	Sep 7 2016	09:31:52.7	6.82	-73.11	146	1.7	0.4	186	17	LOS SANTOS (SANTANDER)
2720	Sep 7 2016	09:54:10.3	3.43	-76.02	Sup	1.4	0.3	167	8	PRADERA (VALLE)
2721	Sep 7 2016	10:02:41.5	5.80	-75.90	55	0.6	0.2	106	8	HISPANIA (ANTIOQUIA)
2722	Sep 7 2016	10:39:18.2	6.79	-73.14	140	1.7	0.3	183	19	LOS SANTOS (SANTANDER)
2723	Sep 7 2016	10:43:29.4	7.41	-72.66	Sup	1.3	0.3	311	8	PAMPLONITA (N.SANTANDER)
2724	Sep 7 2016	12:15:31.7	6.80	-73.18	142	2.8	0.4	116	54	ZAPATOCA (SANTANDER)
2725	Sep 7 2016	12:27:35.8	7.25	-73.50	110	1.3	0.3	234	8	SABANA DE TORRES (SANTANDER)
2726	Sep 7 2016	13:18:26.4	5.85	-73.91	106	1.4	0.3	131	14	LA BELLEZA (SANTANDER)
2727	Sep 7 2016	13:28:21.7	2.73	-75.01	Sup	1.7	0.3	200	10	RIVERA (HUILA)
2728	Sep 7 2016	14:53:50.0	4.29	-76.21	138	1.8	0.3	150	11	BOLIVAR (VALLE)
2729	Sep 7 2016	15:10:24.5	6.87	-73.16	141	1.5	0.3	245	12	BETULIA (SANTANDER)
2730	Sep 7 2016	15:18:39.2	7.63	-73.02	Sup	1.4	0.4	227	10	CACHIRA (N.SANTANDER)
2731	Sep 7 2016	15:27:55.1	6.83	-73.13	142	1.4	0.2	246	10	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2732	Sep 7 2016	15:51:31.8	6.80	-73.14	144	2.0	0.4	137	20	LOS SANTOS (SANTANDER)
2733	Sep 7 2016	17:51: 5.9	6.77	-73.12	142	2.1	0.4	140	25	LOS SANTOS (SANTANDER)
2734	Sep 7 2016	18:05:44.4	6.77	-73.13	141	2.0	0.4	139	20	LOS SANTOS (SANTANDER)
2735	Sep 7 2016	18:15: 3.9	6.93	-77.10	8	1.8	0.3	288	12	MURINDO (ANTIOQUIA)
2736	Sep 7 2016	19:14: 8.3	6.72	-73.11	140	1.9	0.3	143	13	JORDAN (SANTANDER)
2737	Sep 7 2016	19:35:53.5	6.80	-73.36	114	1.6	0.1	116	10	SAN VICENTE DE CHUCURI (SANTANDER)
2738	Sep 7 2016	20:50: 8.3	8.62	-74.05	27	2.3	0.4	104	26	ARENAL (BOLIVAR)
2739	Sep 7 2016	22:29:38.8	1.81	-77.51	68	2.3	0.5	167	12	CUMBITARA (NARINO)
2740	Sep 8 2016	00:00:32.9	6.77	-73.10	151	2.6	0.5	55	47	LOS SANTOS (SANTANDER)
2741	Sep 8 2016	00:07:18.0	6.76	-73.15	148	1.0	0.2	137	6	LOS SANTOS (SANTANDER)
2742	Sep 8 2016	00:35:32.6	6.61	-73.58	109	1.2	0.4	120	8	EL CARMEN (SANTANDER)
2743	Sep 8 2016	00:48:40.8	6.80	-73.14	149	2.4	0.6	54	43	LOS SANTOS (SANTANDER)
2744	Sep 8 2016	01:08:45.0	6.78	-73.10	146	1.7	0.5	142	17	LOS SANTOS (SANTANDER)
2745	Sep 8 2016	01:17: 3.9	6.78	-73.12	150	1.3	0.3	140	10	LOS SANTOS (SANTANDER)
2746	Sep 8 2016	01:28:52.9	5.90	-73.72	120	1.0	0.4	150	7	PUENTE NACIONAL (SANTANDER)
2747	Sep 8 2016	02:44:28.2	6.90	-73.12	143	2.2	0.4	68	24	PIEDRECUESTA (SANTANDER)
2748	Sep 8 2016	03:21:36.0	6.76	-73.13	152	1.3	0.3	236	10	LOS SANTOS (SANTANDER)
2749	Sep 8 2016	03:25: 1.4	6.80	-73.15	146	1.5	0.4	135	14	LOS SANTOS (SANTANDER)
2750	Sep 8 2016	03:49: 2.7	5.85	-73.67	122	1.1	0.4	157	10	PUENTE NACIONAL (SANTANDER)
2751	Sep 8 2016	04:41:41.8	3.92	-76.89	64	1.4	0.2	162	8	BUENAVENTURA (VALLE)
2752	Sep 8 2016	04:42:30.7	5.40	-73.77	136	1.9	0.3	101	32	FUQUENE (CUNDINAMARCA)
2753	Sep 8 2016	05:14:45.3	7.45	-73.51	100	1.3	0.3	96	14	SABANA DE TORRES (SANTANDER)
2754	Sep 8 2016	05:25:57.3	2.62	-77.07	9	1.5	0.4	99	13	LOPEZ (CAUCA)
2755	Sep 8 2016	05:49: 1.9	6.81	-73.12	150	2.8	0.5	53	50	LOS SANTOS (SANTANDER)
2756	Sep 8 2016	06:02: 8.4	6.79	-73.13	151	1.3	0.3	139	13	LOS SANTOS (SANTANDER)
2757	Sep 8 2016	07:32:47.7	6.81	-73.14	155	2.2	0.5	53	39	LOS SANTOS (SANTANDER)
2758	Sep 8 2016	08:36: 5.7	2.84	-74.83	Sup	2.4	0.4	88	27	TELLO (HUILA)
2759	Sep 8 2016	08:44:35.3	3.83	-71.50	Sup	1.7	0.8	228	8	PUERTO GAITAN (META)
2760	Sep 8 2016	09:26:33.4	6.79	-73.10	151	2.2	0.5	103	38	LOS SANTOS (SANTANDER)
2761	Sep 8 2016	09:41:36.9	6.80	-73.13	150	3.0	0.5	66	0	LOS SANTOS (SANTANDER)
2762	Sep 8 2016	09:41:36.9	6.80	-73.13	150	3.0	0.5	66	69	LOS SANTOS (SANTANDER)
2763	Sep 8 2016	10:31:55.8	5.62	-74.38	80	2.1	0.4	62	38	YACOPI (CUNDINAMARCA)
2764	Sep 8 2016	11:14:48.9	6.76	-74.25	65	2.2	0.4	62	29	PUERTO PARRA (SANTANDER)
2765	Sep 8 2016	12:25:25.5	6.84	-73.13	142	1.4	0.3	280	8	LOS SANTOS (SANTANDER)
2766	Sep 8 2016	13:00:18.7	6.80	-73.17	141	1.7	0.3	133	18	LOS SANTOS (SANTANDER)
2767	Sep 8 2016	13:21: 2.7	6.82	-73.14	151	2.8	0.5	119	45	LOS SANTOS (SANTANDER)
2768	Sep 8 2016	13:32:48.7	5.60	-74.03	115	1.7	0.3	104	15	SAN PABLO DE BORBUR (BOYACA)
2769	Sep 8 2016	13:42:34.3	6.40	-73.67	95	1.6	0.4	150	10	SANTA HELENA DEL OPON (SANTANDER)
2770	Sep 8 2016	14:12:57.0	6.73	-73.14	135	1.5	0.4	139	10	JORDAN (SANTANDER)
2771	Sep 8 2016	14:22:48.7	6.81	-73.18	139	1.0	0.2	145	8	ZAPATOCA (SANTANDER)
2772	Sep 8 2016	14:56: 2.1	6.75	-73.04	140	1.3	0.3	152	8	JORDAN (SANTANDER)
2773	Sep 8 2016	15:13:41.0	6.68	-73.17	151	1.4	0.2	225	8	VILLANUEVA (SANTANDER)
2774	Sep 8 2016	15:22:26.4	6.73	-73.13	145	1.8	0.2	140	10	LOS SANTOS (SANTANDER)
2775	Sep 8 2016	15:23:27.8	5.91	-73.63	119	2.0	0.3	92	22	BARBOSA (SANTANDER)
2776	Sep 8 2016	15:26:54.3	6.79	-73.18	144	1.5	0.2	132	7	ZAPATOCA (SANTANDER)
2777	Sep 8 2016	15:51:57.5	6.70	-73.17	143	1.4	0.3	150	8	VILLANUEVA (SANTANDER)
2778	Sep 8 2016	15:55:28.9	6.75	-73.09	141	2.0	0.3	145	16	LOS SANTOS (SANTANDER)
2779	Sep 8 2016	16:42:59.1	3.47	-74.66	Sup	2.5	0.3	151	33	COLOMBIA (HUILA)
2780	Sep 8 2016	18:20:53.6	5.29	-73.68	139	2.1	0.4	159	24	LENGUAZAQUE (CUNDINAMARCA)
2781	Sep 8 2016	19:38:22.9	6.79	-73.17	141	1.6	0.2	133	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2782	Sep 8 2016	21:45:20.8	6.79	-73.17	146	1.9	0.3	133	19	LOS SANTOS (SANTANDER)
2783	Sep 8 2016	23:16:32.4	4.86	-76.63	19	1.6	0.5	215	10	NOVITA (CHOCO)
2784	Sep 9 2016	00:18:14.8	6.82	-73.10	148	1.3	0.4	140	10	LOS SANTOS (SANTANDER)
2785	Sep 9 2016	00:24:31.0	4.34	-76.14	Sup	1.8	0.5	137	14	BOLIVAR (VALLE)
2786	Sep 9 2016	01:15:25.1	5.03	-74.56	Sup	1.1	0.5	168	11	GUADUAS (CUNDINAMARCA)
2787	Sep 9 2016	01:51:44.5	6.81	-73.12	148	2.0	0.5	102	31	LOS SANTOS (SANTANDER)
2788	Sep 9 2016	02:10:23.8	5.27	-73.73	152	2.0	0.5	77	27	LENGUAZQUE (CUNDINAMARCA)
2789	Sep 9 2016	02:46:54.7	6.76	-73.12	152	1.4	0.4	141	9	LOS SANTOS (SANTANDER)
2790	Sep 9 2016	03:08:34.3	6.78	-73.14	146	1.5	0.3	137	11	LOS SANTOS (SANTANDER)
2791	Sep 9 2016	03:16:17.1	3.64	-77.14	21	1.6	0.5	148	8	BUENAVENTURA (VALLE)
2792	Sep 9 2016	03:23:23.7	6.81	-73.13	157	1.5	0.5	137	13	LOS SANTOS (SANTANDER)
2793	Sep 9 2016	04:48:23.5	6.81	-73.13	145	2.3	0.4	71	43	LOS SANTOS (SANTANDER)
2794	Sep 9 2016	04:54:54.5	6.74	-73.16	156	1.2	0.1	137	7	LOS SANTOS (SANTANDER)
2795	Sep 9 2016	05:24: 2.4	6.80	-73.15	145	2.1	0.4	136	32	LOS SANTOS (SANTANDER)
2796	Sep 9 2016	05:39:48.1	6.75	-73.14	155	1.2	0.3	183	5	LOS SANTOS (SANTANDER)
2797	Sep 9 2016	06:13:35.5	6.79	-73.12	143	1.4	0.4	139	12	LOS SANTOS (SANTANDER)
2798	Sep 9 2016	06:33:57.4	6.81	-73.14	148	2.0	0.4	136	28	LOS SANTOS (SANTANDER)
2799	Sep 9 2016	07:58:31.5	3.95	-76.05	104	1.5	0.2	226	7	SAN PEDRO (VALLE)
2800	Sep 9 2016	08:27:31.4	6.81	-73.17	146	1.9	0.3	132	26	ZAPATOCA (SANTANDER)
2801	Sep 9 2016	09:39: 4.6	6.81	-73.14	147	1.9	0.4	136	22	LOS SANTOS (SANTANDER)
2802	Sep 9 2016	10:12:17.5	6.79	-73.12	142	2.2	0.5	139	36	LOS SANTOS (SANTANDER)
2803	Sep 9 2016	11:36:13.4	6.79	-73.14	142	1.6	0.3	237	12	LOS SANTOS (SANTANDER)
2804	Sep 9 2016	11:57:19.7	6.75	-73.19	149	1.9	0.3	228	10	VILLANUEVA (SANTANDER)
2805	Sep 9 2016	12:52:40.1	4.58	-76.42	86	2.3	0.5	140	32	EL DOVIO (VALLE)
2806	Sep 9 2016	13:08:49.4	6.43	-76.20	18	2.2	0.5	176	23	URRAO (ANTIOQUIA)
2807	Sep 9 2016	13:12: 6.5	2.51	-75.48	23	1.8	0.2	86	12	HOBO (HUILA)
2808	Sep 9 2016	15:02:23.7	6.79	-73.12	149	2.8	0.4	121	48	LOS SANTOS (SANTANDER)
2809	Sep 9 2016	16:44:21.1	6.80	-73.13	151	1.9	0.3	138	18	LOS SANTOS (SANTANDER)
2810	Sep 9 2016	17:51:14.3	6.79	-73.14	145	2.0	0.4	137	20	LOS SANTOS (SANTANDER)
2811	Sep 9 2016	19:26:52.1	3.89	-76.66	20	2.3	0.6	98	28	RESTREPO (VALLE)
2812	Sep 9 2016	19:33:22.5	6.81	-73.18	143	1.4	0.2	131	11	ZAPATOCA (SANTANDER)
2813	Sep 9 2016	20:13:27.1	4.75	-74.69	32	1.2	0.3	262	8	BELTRAN (CUNDINAMARCA)
2814	Sep 9 2016	22:20:19.3	6.78	-73.16	147	1.7	0.4	135	13	LOS SANTOS (SANTANDER)
2815	Sep 9 2016	22:39:39.5	6.78	-73.10	143	2.1	0.3	142	18	LOS SANTOS (SANTANDER)
2816	Sep 9 2016	22:43: 5.6	6.09	-73.90	89	1.1	0.4	205	10	EL PENON (SANTANDER)
2817	Sep 9 2016	22:47:59.5	6.77	-73.18	148	1.7	0.4	133	11	LOS SANTOS (SANTANDER)
2818	Sep 10 2016	00:16:45.5	3.93	-77.04	74	1.8	0.3	119	8	BUENAVENTURA (VALLE)
2819	Sep 10 2016	00:16:48.9	6.80	-73.15	145	3.0	0.4	70	40	LOS SANTOS (SANTANDER)
2820	Sep 10 2016	00:43:42.8	6.27	-73.36	133	2.9	0.3	59	34	GUAPOTA (SANTANDER)
2821	Sep 10 2016	00:51:27.4	5.44	-77.59	Sup	2.2	0.4	234	13	O. PACIFICO CENTRO
2822	Sep 10 2016	01:30:15.9	6.74	-73.09	140	1.6	0.3	145	10	JORDAN (SANTANDER)
2823	Sep 10 2016	03:37:20.6	7.38	-73.11	9	1.8	0.4	109	15	MATANZA (SANTANDER)
2824	Sep 10 2016	04:15: 9.6	6.80	-73.15	146	2.0	0.3	136	20	LOS SANTOS (SANTANDER)
2825	Sep 10 2016	04:27:27.5	7.74	-77.32	60	1.9	0.2	174	18	RIOSUCIO (CHOCO)
2826	Sep 10 2016	05:15:11.5	6.78	-73.13	143	2.3	0.4	139	26	LOS SANTOS (SANTANDER)
2827	Sep 10 2016	06:29:25.1	6.79	-73.13	142	1.7	0.3	138	18	LOS SANTOS (SANTANDER)
2828	Sep 10 2016	06:43:12.7	4.76	-77.52	Sup	1.5	0.3	272	10	O. PACIFICO CENTRO
2829	Sep 10 2016	07:10:17.8	3.96	-74.17	Sup	2.4	0.7	86	48	CABRERA (CUNDINAMARCA)
2830	Sep 10 2016	08:58: 7.7	6.79	-73.11	145	1.4	0.4	262	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2831	Sep 10 2016	09:02:46.0	6.05	-73.70	113	1.3	0.3	118	12	VELEZ (SANTANDER)
2832	Sep 10 2016	09:12:44.8	6.78	-73.11	148	1.9	0.5	123	30	LOS SANTOS (SANTANDER)
2833	Sep 10 2016	11:09:47.7	6.69	-73.23	140	1.1	0.4	218	8	BARICHARA (SANTANDER)
2834	Sep 10 2016	11:15:39.3	6.72	-73.21	161	1.4	0.2	224	8	VILLANUEVA (SANTANDER)
2835	Sep 10 2016	11:52:29.6	6.86	-73.18	136	1.2	0.3	150	7	ZAPATOCA (SANTANDER)
2836	Sep 10 2016	12:26:44.3	6.79	-73.16	141	2.4	0.4	135	34	LOS SANTOS (SANTANDER)
2837	Sep 10 2016	13:41: 3.0	7.42	-74.83	Sup	1.7	0.2	128	18	ZARAGOZA (ANTIOQUIA)
2838	Sep 10 2016	14:18:30.5	0.94	-78.07	Sup	3.1	0.4	116	55	RICAUARTE (NARINO)
2839	Sep 10 2016	14:44: 4.7	2.40	-75.59	23	1.5	0.1	195	8	GIGANTE (HUILA)
2840	Sep 10 2016	15:03:59.0	6.76	-73.15	143	1.6	0.3	137	16	LOS SANTOS (SANTANDER)
2841	Sep 10 2016	15:40:45.9	7.43	-74.81	Sup	1.6	0.4	145	12	ZARAGOZA (ANTIOQUIA)
2842	Sep 10 2016	15:43:50.7	6.77	-73.16	133	1.9	0.3	135	18	LOS SANTOS (SANTANDER)
2843	Sep 10 2016	16:27:58.7	6.81	-73.16	146	2.5	0.3	134	30	LOS SANTOS (SANTANDER)
2844	Sep 10 2016	16:38:35.2	6.91	-74.74	Sup	1.3	0.4	121	14	REMEDIOS (ANTIOQUIA)
2845	Sep 10 2016	17:33: 0.5	6.58	-75.78	29	1.9	0.5	118	20	SANTA FE ANTIOQUIA (ANTIOQUIA)
2846	Sep 10 2016	18:40:27.4	3.88	-76.70	30	2.3	0.4	98	30	RESTREPO (VALLE)
2847	Sep 10 2016	19:23:29.1	6.77	-73.13	143	2.0	0.4	139	18	LOS SANTOS (SANTANDER)
2848	Sep 10 2016	19:23:49.4	4.84	-76.17	108	2.1	0.2	126	10	EL CAIRO (VALLE)
2849	Sep 10 2016	20:20: 2.3	6.81	-73.12	150	3.3	0.5	67	0	LOS SANTOS (SANTANDER)
2850	Sep 10 2016	20:20: 2.3	6.81	-73.12	150	3.3	0.5	67	75	LOS SANTOS (SANTANDER)
2851	Sep 10 2016	21:51:54.6	6.69	-73.17	153	1.4	0.3	227	12	VILLANUEVA (SANTANDER)
2852	Sep 10 2016	21:59:55.6	11.12	-72.72	Sup	1.6	0.4	150	8	MANAURE BALCON CESAR (CESAR)
2853	Sep 10 2016	23:27:55.4	6.74	-73.12	147	1.0	0.2	236	8	LOS SANTOS (SANTANDER)
2854	Sep 10 2016	23:31:39.1	6.80	-73.14	150	1.4	0.3	136	14	LOS SANTOS (SANTANDER)
2855	Sep 10 2016	23:40: 1.2	6.76	-73.08	139	0.9	0.2	242	10	LOS SANTOS (SANTANDER)
2856	Sep 11 2016	01:50:19.5	2.48	-75.44	16	1.6	0.4	157	10	HOBO (HUILA)
2857	Sep 11 2016	04:38:54.2	6.69	-73.48	111	1.3	0.5	136	8	EL CARMEN (SANTANDER)
2858	Sep 11 2016	04:50:42.3	6.81	-73.11	151	2.4	0.4	103	49	LOS SANTOS (SANTANDER)
2859	Sep 11 2016	05:06:58.8	5.45	-76.35	90	1.0	0.4	221	9	BAGADO (CHOCO)
2860	Sep 11 2016	06:22:55.4	6.99	-72.82	Sup	1.5	0.6	174	16	SANTA BARBARA (SANTANDER)
2861	Sep 11 2016	06:26:52.3	6.27	-75.73	35	1.5	0.6	153	16	EBEJICO (ANTIOQUIA)
2862	Sep 11 2016	07:03:41.7	5.15	-74.76	15	0.9	0.2	151	8	HONDA (TOLIMA)
2863	Sep 11 2016	07:07:52.9	10.46	-73.61	21	1.4	0.4	103	9	PUEBLO BELLO (CESAR)
2864	Sep 11 2016	07:51:20.8	6.82	-73.13	144	1.8	0.5	184	19	LOS SANTOS (SANTANDER)
2865	Sep 11 2016	08:08:49.1	7.37	-73.14	Sup	1.3	0.4	105	11	RIONEGRO (SANTANDER)
2866	Sep 11 2016	08:17:29.5	6.80	-73.11	148	1.7	0.3	186	14	LOS SANTOS (SANTANDER)
2867	Sep 11 2016	08:18:42.7	5.42	-75.63	Sup	1.2	0.6	88	12	SUPIA (CALDAS)
2868	Sep 11 2016	08:23:52.8	6.86	-73.22	122	1.4	0.4	176	12	ZAPATOCA (SANTANDER)
2869	Sep 11 2016	08:39:36.1	6.74	-73.15	146	1.3	0.4	249	10	LOS SANTOS (SANTANDER)
2870	Sep 11 2016	09:45:56.5	6.72	-76.68	9	1.2	0.5	250	12	VIGIA DEL FUERTE (ANTIOQUIA)
2871	Sep 11 2016	10:11:21.9	6.78	-73.13	140	1.7	0.3	139	23	LOS SANTOS (SANTANDER)
2872	Sep 11 2016	10:45: 5.0	3.85	-73.63	Sup	1.7	0.6	110	17	CASTILLA LA NUEVA (META)
2873	Sep 11 2016	11:04:16.4	7.20	-74.12	Sup	0.9	0.3	171	10	PUERTO WILCHES (SANTANDER)
2874	Sep 11 2016	11:29:39.6	6.21	-73.65	100	1.4	0.3	190	8	LA PAZ (SANTANDER)
2875	Sep 11 2016	11:43: 6.4	6.78	-73.15	139	2.0	0.3	136	15	LOS SANTOS (SANTANDER)
2876	Sep 11 2016	11:43:33.1	6.80	-73.17	139	1.8	0.3	234	13	LOS SANTOS (SANTANDER)
2877	Sep 11 2016	13:26:56.5	6.73	-73.21	147	1.4	0.2	222	10	VILLANUEVA (SANTANDER)
2878	Sep 11 2016	13:55:47.8	4.44	-76.22	102	1.7	0.2	159	8	EL DOVIO (VALLE)
2879	Sep 11 2016	13:59:22.2	5.87	-73.72	121	1.7	0.3	161	16	PUENTE NACIONAL (SANTANDER)
2880	Sep 11 2016	14:24: 2.6	5.85	-73.63	124	2.1	0.3	98	26	PUENTE NACIONAL (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
2881	Sep 11 2016	14:52:38.1	6.75	-73.13	152	1.7	0.3	140	13	LOS SANTOS (SANTANDER)
2882	Sep 11 2016	15:27:36.9	6.81	-73.16	144	1.7	0.4	134	20	LOS SANTOS (SANTANDER)
2883	Sep 11 2016	15:55:43.6	6.78	-73.14	146	2.1	0.4	138	22	LOS SANTOS (SANTANDER)
2884	Sep 11 2016	16:09:57.1	6.78	-73.16	144	1.4	0.2	242	7	LOS SANTOS (SANTANDER)
2885	Sep 11 2016	16:20:35.2	6.75	-73.16	136	1.4	0.2	137	10	LOS SANTOS (SANTANDER)
2886	Sep 11 2016	17:25:54.6	6.48	-73.74	95	1.3	0.2	165	8	SANTA HELENA DEL OPON (SANTANDER)
2887	Sep 11 2016	17:37: 8.0	6.76	-73.23	141	1.2	0.2	218	8	ZAPATOCA (SANTANDER)
2888	Sep 11 2016	18:00:46.4	6.77	-73.14	143	1.9	0.3	138	16	LOS SANTOS (SANTANDER)
2889	Sep 11 2016	19:06:33.3	6.84	-73.31	117	1.4	0.2	108	11	ZAPATOCA (SANTANDER)
2890	Sep 11 2016	19:20:58.1	6.89	-73.18	139	1.7	0.3	127	13	BETULIA (SANTANDER)
2891	Sep 11 2016	19:37:54.8	6.80	-73.14	146	2.5	0.3	119	28	LOS SANTOS (SANTANDER)
2892	Sep 11 2016	21:20:37.7	6.80	-73.14	146	1.1	0.1	136	8	LOS SANTOS (SANTANDER)
2893	Sep 11 2016	21:43: 8.3	6.77	-73.13	146	1.0	0.2	140	8	LOS SANTOS (SANTANDER)
2894	Sep 11 2016	22:39:45.7	6.82	-73.10	147	1.8	0.4	141	24	LOS SANTOS (SANTANDER)
2895	Sep 11 2016	22:49:27.5	4.76	-76.13	102	2.0	0.4	77	22	ARGELIA (VALLE)
2896	Sep 11 2016	23:21:58.4	9.22	-74.75	28	1.8	0.3	120	20	MAGANGUE (BOLIVAR)
2897	Sep 12 2016	00:34: 7.8	2.03	-75.77	Sup	0.9	0.2	126	8	GUADALUPE (HUILA)
2898	Sep 12 2016	00:53:54.0	6.79	-73.12	145	1.9	0.4	139	19	LOS SANTOS (SANTANDER)
2899	Sep 12 2016	01:09:31.2	6.76	-73.12	145	1.6	0.3	141	10	LOS SANTOS (SANTANDER)
2900	Sep 12 2016	02:15:26.2	7.89	-72.24	Sup	1.6	0.7	235	10	FRONTERA CON VENEZUELA
2901	Sep 12 2016	02:30: 0.8	6.76	-73.15	149	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
2902	Sep 12 2016	02:37: 2.7	6.76	-73.12	139	1.9	0.5	141	18	LOS SANTOS (SANTANDER)
2903	Sep 12 2016	02:55:20.5	6.80	-73.14	148	1.8	0.6	136	24	LOS SANTOS (SANTANDER)
2904	Sep 12 2016	03:21:46.6	6.82	-73.11	154	3.4	0.6	67	0	LOS SANTOS (SANTANDER)
2905	Sep 12 2016	03:21:46.6	6.82	-73.11	154	3.4	0.6	67	73	LOS SANTOS (SANTANDER)
2906	Sep 12 2016	03:32:21.1	6.79	-73.13	148	2.0	0.4	72	22	LOS SANTOS (SANTANDER)
2907	Sep 12 2016	03:38:19.4	6.81	-73.13	146	2.0	0.5	137	24	LOS SANTOS (SANTANDER)
2908	Sep 12 2016	03:49:39.9	6.81	-73.17	145	2.5	0.5	69	43	LOS SANTOS (SANTANDER)
2909	Sep 12 2016	04:09:21.4	7.03	-72.89	181	2.0	0.5	157	27	SANTA BARBARA (SANTANDER)
2910	Sep 12 2016	04:12:29.8	6.79	-73.14	146	1.4	0.4	136	10	LOS SANTOS (SANTANDER)
2911	Sep 12 2016	04:17:30.8	6.77	-73.14	158	1.3	0.4	183	9	LOS SANTOS (SANTANDER)
2912	Sep 12 2016	04:53:40.8	6.85	-73.16	145	1.4	0.4	132	12	ZAPATOCA (SANTANDER)
2913	Sep 12 2016	04:55:26.9	6.81	-73.14	150	1.5	0.4	136	12	LOS SANTOS (SANTANDER)
2914	Sep 12 2016	04:56:33.5	5.54	-74.45	79	1.4	0.3	219	7	YACOPI (CUNDINAMARCA)
2915	Sep 12 2016	05:08:53.6	6.78	-73.14	148	1.6	0.4	137	12	LOS SANTOS (SANTANDER)
2916	Sep 12 2016	05:10:11.5	6.81	-73.11	143	2.9	0.6	72	54	LOS SANTOS (SANTANDER)
2917	Sep 12 2016	05:22:37.3	6.79	-73.15	146	1.5	0.4	135	19	LOS SANTOS (SANTANDER)
2918	Sep 12 2016	06:00:21.0	9.10	-73.98	30	1.7	0.4	95	18	EL BANCO (MAGDALENA)
2919	Sep 12 2016	06:16:18.3	6.80	-73.13	148	1.7	0.5	138	21	LOS SANTOS (SANTANDER)
2920	Sep 12 2016	06:18:53.4	6.79	-73.13	141	1.5	0.6	138	20	LOS SANTOS (SANTANDER)
2921	Sep 12 2016	06:47:52.8	6.81	-73.15	148	1.7	0.5	135	18	LOS SANTOS (SANTANDER)
2922	Sep 12 2016	07:02:48.3	6.74	-73.15	151	1.4	0.4	181	10	LOS SANTOS (SANTANDER)
2923	Sep 12 2016	07:20:48.5	6.79	-73.15	138	1.6	0.4	135	23	LOS SANTOS (SANTANDER)
2924	Sep 12 2016	07:28:53.8	6.75	-73.12	147	1.0	0.2	142	10	LOS SANTOS (SANTANDER)
2925	Sep 12 2016	07:28:53.8	6.75	-73.12	147	1.0	0.2	142	10	LOS SANTOS (SANTANDER)
2926	Sep 12 2016	07:36: 3.9	6.84	-72.93	146	1.0	0.2	260	8	GUACA (SANTANDER)
2927	Sep 12 2016	07:51:21.8	6.79	-73.14	144	2.0	0.3	137	34	LOS SANTOS (SANTANDER)
2928	Sep 12 2016	07:57:34.0	6.77	-74.04	76	1.0	0.4	114	10	PUERTO PARRA (SANTANDER)
2929	Sep 12 2016	08:10: 3.5	7.70	-73.09	153	2.0	0.4	129	26	CACHIRA (N.SANTANDER)
2930	Sep 12 2016	09:17:43.6	6.40	-73.62	81	1.3	0.5	259	9	SANTA HELENA DEL OPON (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2931	Sep 12 2016	09:48:11.7	7.25	-75.56	Sup	1.5	0.3	165	10	BRICENO (ANTIOQUIA)
2932	Sep 12 2016	09:53:32.7	2.84	-75.85	Sup	1.3	0.3	242	8	PAEZ (CAUCA)
2933	Sep 12 2016	10:10:22.2	2.01	-75.81	Sup	1.3	0.4	124	10	SUAZA (HUILA)
2934	Sep 12 2016	15:47:21.2	6.80	-73.15	147	2.4	0.5	135	30	LOS SANTOS (SANTANDER)
2935	Sep 12 2016	19:34:19.7	6.78	-73.16	145	1.6	0.3	234	9	LOS SANTOS (SANTANDER)
2936	Sep 12 2016	19:38: 2.5	5.25	-73.75	150	2.0	0.3	131	16	CUCUNUBA (CUNDINAMARCA)
2937	Sep 12 2016	20:00:29.9	6.80	-73.12	152	1.7	0.4	139	15	LOS SANTOS (SANTANDER)
2938	Sep 12 2016	20:43:53.4	6.81	-73.12	149	2.2	0.4	139	23	LOS SANTOS (SANTANDER)
2939	Sep 12 2016	21:19:19.9	6.77	-73.13	145	1.5	0.4	139	13	LOS SANTOS (SANTANDER)
2940	Sep 12 2016	21:23:35.3	6.20	-76.67	32	2.0	0.4	225	17	MEDIO ATRATO (CHOCO)
2941	Sep 12 2016	22:12:19.3	6.74	-73.11	145	1.5	0.4	143	11	LOS SANTOS (SANTANDER)
2942	Sep 12 2016	22:16: 5.8	6.78	-73.12	150	1.6	0.3	140	9	LOS SANTOS (SANTANDER)
2943	Sep 12 2016	22:33:36.5	5.70	-73.87	116	1.6	0.5	180	9	BRICENO (BOYACA)
2944	Sep 12 2016	23:29: 4.0	6.53	-73.51	110	1.6	0.4	66	14	EL CARMEN (SANTANDER)
2945	Sep 12 2016	23:56:23.0	6.75	-73.12	147	1.6	0.5	141	13	LOS SANTOS (SANTANDER)
2946	Sep 13 2016	00:45:45.9	6.77	-73.12	148	1.9	0.6	122	24	LOS SANTOS (SANTANDER)
2947	Sep 13 2016	00:58:34.1	5.40	-73.79	136	1.5	0.3	119	14	FUQUENE (CUNDINAMARCA)
2948	Sep 13 2016	02:01:16.5	6.79	-73.12	153	1.9	0.4	140	14	LOS SANTOS (SANTANDER)
2949	Sep 13 2016	02:17:18.9	6.16	-73.70	113	1.0	0.2	115	8	LA PAZ (SANTANDER)
2950	Sep 13 2016	03:09:19.1	10.95	-73.11	53	1.9	0.2	229	8	LA PAZ (CESAR)
2951	Sep 13 2016	03:54:22.6	6.79	-73.14	151	2.1	0.3	137	22	LOS SANTOS (SANTANDER)
2952	Sep 13 2016	04:11:26.0	6.76	-73.13	144	1.3	0.3	140	16	LOS SANTOS (SANTANDER)
2953	Sep 13 2016	04:13:57.6	6.78	-73.08	147	2.3	0.6	125	42	LOS SANTOS (SANTANDER)
2954	Sep 13 2016	04:15:18.5	6.80	-73.15	146	1.5	0.3	135	16	LOS SANTOS (SANTANDER)
2955	Sep 13 2016	04:42: 3.5	5.27	-73.71	144	2.6	0.6	65	48	LENGUAZAUQUE (CUNDINAMARCA)
2956	Sep 13 2016	05:06:38.4	6.78	-73.16	147	1.6	0.4	147	12	LOS SANTOS (SANTANDER)
2957	Sep 13 2016	06:09: 1.3	6.79	-73.14	143	2.8	0.7	54	57	LOS SANTOS (SANTANDER)
2958	Sep 13 2016	06:20:30.4	6.77	-73.14	138	1.3	0.5	137	14	LOS SANTOS (SANTANDER)
2959	Sep 13 2016	06:32:52.7	6.79	-73.13	146	1.2	0.6	156	11	LOS SANTOS (SANTANDER)
2960	Sep 13 2016	06:38: 4.9	6.80	-73.13	150	1.4	0.4	137	15	LOS SANTOS (SANTANDER)
2961	Sep 13 2016	08:12:15.1	6.79	-73.13	145	3.9	0.6	54	0	LOS SANTOS (SANTANDER)
2962	Sep 13 2016	08:12:15.1	6.79	-73.13	145	3.9	0.6	54	98	LOS SANTOS (SANTANDER)
2963	Sep 13 2016	08:38:54.7	6.82	-73.15	148	2.7	0.5	53	52	LOS SANTOS (SANTANDER)
2964	Sep 13 2016	09:11:55.9	6.76	-73.13	137	1.6	0.7	140	16	LOS SANTOS (SANTANDER)
2965	Sep 13 2016	09:13:37.4	6.76	-73.12	142	1.1	0.3	141	12	LOS SANTOS (SANTANDER)
2966	Sep 13 2016	09:47:14.1	6.84	-73.19	135	1.0	0.3	149	8	ZAPATOCA (SANTANDER)
2967	Sep 13 2016	10:04:37.4	4.82	-74.74	16	1.5	0.6	156	14	BELTRAN (CUNDINAMARCA)
2968	Sep 13 2016	10:23:28.9	2.02	-75.85	6	2.4	0.3	87	18	SUAZA (HUILA)
2969	Sep 13 2016	10:29:46.0	6.80	-73.17	141	1.8	0.5	132	16	LOS SANTOS (SANTANDER)
2970	Sep 13 2016	11:48:45.7	6.49	-73.60	108	1.3	0.3	134	10	SANTA HELENA DEL OPO (SANTANDER)
2971	Sep 13 2016	12:12: 0.6	6.57	-73.44	111	1.4	0.2	101	11	EL CARMEN (SANTANDER)
2972	Sep 13 2016	12:37:36.1	5.85	-73.72	118	1.8	0.3	94	16	PUENTE NACIONAL (SANTANDER)
2973	Sep 13 2016	12:41:18.2	7.37	-73.11	7	2.0	0.4	108	16	MATANZA (SANTANDER)
2974	Sep 13 2016	12:49:17.2	6.89	-73.11	144	1.2	0.4	147	8	PIEDECUUESTA (SANTANDER)
2975	Sep 13 2016	13:25: 0.4	6.75	-73.03	146	1.7	0.4	153	8	JORDAN (SANTANDER)
2976	Sep 13 2016	15:00: 7.4	6.79	-73.14	143	1.9	0.5	136	16	LOS SANTOS (SANTANDER)
2977	Sep 13 2016	15:26:18.2	6.80	-73.16	139	1.4	0.2	134	8	LOS SANTOS (SANTANDER)
2978	Sep 13 2016	16:15:43.2	8.25	-75.59	13	2.2	0.5	188	8	BUENAVISTA (CORDOBA)
2979	Sep 13 2016	16:20:49.3	6.77	-73.11	140	2.0	0.3	141	16	LOS SANTOS (SANTANDER)
2980	Sep 13 2016	16:49:42.1	6.84	-73.15	147	2.2	0.5	133	20	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
2981	Sep 13 2016	17:12:52.3	5.28	-73.73	142	1.3	0.5	132	12	LENGUAZAUQUE (CUNDINAMARCA)
2982	Sep 13 2016	17:27:30.0	6.79	-73.14	142	1.6	0.2	137	16	LOS SANTOS (SANTANDER)
2983	Sep 13 2016	18:36:56.0	6.24	-73.43	142	1.7	0.5	99	16	GUADALUPE (SANTANDER)
2984	Sep 13 2016	19:51: 7.0	6.79	-73.18	136	1.8	0.3	132	7	LOS SANTOS (SANTANDER)
2985	Sep 13 2016	21:39:14.9	6.82	-73.14	152	2.4	0.4	70	34	LOS SANTOS (SANTANDER)
2986	Sep 13 2016	22:22:51.2	6.75	-73.13	143	1.5	0.5	140	7	LOS SANTOS (SANTANDER)
2987	Sep 13 2016	22:26: 9.5	10.18	-75.33	35	1.9	0.4	238	9	ARJONA (BOLIVAR)
2988	Sep 13 2016	22:59:33.0	6.16	-73.54	122	1.3	0.7	108	9	AGUADA (SANTANDER)
2989	Sep 13 2016	23:48:45.2	7.19	-76.24	Sup	1.8	0.5	242	11	MUTATA (ANTIOQUIA)
2990	Sep 14 2016	00:36:35.0	6.80	-73.15	150	1.4	0.1	135	7	LOS SANTOS (SANTANDER)
2991	Sep 14 2016	00:42:19.8	6.80	-73.08	149	1.9	0.5	123	22	LOS SANTOS (SANTANDER)
2992	Sep 14 2016	01:05:15.6	11.29	-74.72	15	1.7	0.2	260	9	MAR CARIBE
2993	Sep 14 2016	01:48:41.6	6.81	-73.15	150	2.9	0.4	70	52	LOS SANTOS (SANTANDER)
<u>2994</u>	<u>Sep 14 2016</u>	<u>01:58:30.2</u>	<u>7.23</u>	<u>-76.23</u>	<u>Sup</u>	<u>5.2</u>	<u>0.8</u>	<u>49</u>	<u>0</u>	<u>MUTATA (ANTIOQUIA)</u>
<u>2995</u>	<u>Sep 14 2016</u>	<u>01:58:30.2</u>	<u>7.23</u>	<u>-76.23</u>	<u>0</u>	<u>5.2</u>	<u>0.8</u>	<u>49</u>	<u>92</u>	<u>MUTATA (ANTIOQUIA)</u>
2996	Sep 14 2016	02:01:50.1	7.19	-76.23	Sup	3.7	0.5	104	15	DABEIBA (ANTIOQUIA)
2997	Sep 14 2016	02:02:44.9	7.17	-76.25	Sup	3.3	0.3	249	9	DABEIBA (ANTIOQUIA)
2998	Sep 14 2016	02:03:59.0	7.16	-76.24	Sup	3.0	0.5	245	7	DABEIBA (ANTIOQUIA)
2999	Sep 14 2016	02:06:12.4	7.18	-76.24	Sup	3.3	0.7	181	14	DABEIBA (ANTIOQUIA)
3000	Sep 14 2016	02:08:22.4	7.25	-76.20	Sup	2.9	0.8	183	13	MUTATA (ANTIOQUIA)
3001	Sep 14 2016	02:14:39.1	7.22	-76.28	Sup	2.5	0.7	186	14	MUTATA (ANTIOQUIA)
3002	Sep 14 2016	02:15:34.0	7.20	-76.29	Sup	2.8	0.6	186	12	MUTATA (ANTIOQUIA)
3003	Sep 14 2016	02:17:36.6	7.18	-76.22	Sup	2.4	0.8	179	14	DABEIBA (ANTIOQUIA)
3004	Sep 14 2016	02:18:57.0	7.19	-76.29	Sup	2.3	0.5	246	11	MUTATA (ANTIOQUIA)
3005	Sep 14 2016	02:21:22.0	7.23	-76.27	Sup	2.3	0.5	176	23	MUTATA (ANTIOQUIA)
3006	Sep 14 2016	02:26:27.4	7.19	-76.24	Sup	3.1	0.6	77	44	DABEIBA (ANTIOQUIA)
3007	Sep 14 2016	02:29:23.2	7.18	-76.22	Sup	2.4	0.5	229	22	DABEIBA (ANTIOQUIA)
3008	Sep 14 2016	02:31:18.7	7.16	-76.17	Sup	2.1	0.4	215	12	DABEIBA (ANTIOQUIA)
3009	Sep 14 2016	02:32:41.3	7.18	-76.23	Sup	2.8	0.5	180	27	DABEIBA (ANTIOQUIA)
3010	Sep 14 2016	02:34: 8.5	7.17	-76.21	Sup	2.7	0.3	232	19	DABEIBA (ANTIOQUIA)
3011	Sep 14 2016	02:35:20.9	7.19	-76.25	Sup	3.3	0.6	78	46	MUTATA (ANTIOQUIA)
3012	Sep 14 2016	02:39:17.3	7.19	-76.25	Sup	2.6	0.5	126	28	DABEIBA (ANTIOQUIA)
3013	Sep 14 2016	02:40:39.4	7.22	-76.23	Sup	2.2	0.3	240	13	MUTATA (ANTIOQUIA)
3014	Sep 14 2016	02:40:39.7	7.18	-76.18	Sup	2.2	0.6	219	12	DABEIBA (ANTIOQUIA)
3015	Sep 14 2016	02:42:45.4	7.23	-76.28	Sup	1.9	0.3	246	13	MUTATA (ANTIOQUIA)
3016	Sep 14 2016	02:42:47.2	7.18	-76.20	Sup	1.8	0.8	228	20	DABEIBA (ANTIOQUIA)
3017	Sep 14 2016	02:43:32.0	7.18	-76.24	Sup	1.8	0.3	241	12	DABEIBA (ANTIOQUIA)
3018	Sep 14 2016	02:47: 7.6	7.19	-76.24	Sup	2.7	0.5	231	30	DABEIBA (ANTIOQUIA)
3019	Sep 14 2016	02:49:38.3	7.21	-76.26	Sup	2.7	0.5	106	33	MUTATA (ANTIOQUIA)
3020	Sep 14 2016	02:53:15.1	7.19	-76.22	Sup	2.2	0.6	229	28	DABEIBA (ANTIOQUIA)
3021	Sep 14 2016	02:57:13.6	7.19	-76.20	Sup	2.6	0.5	124	19	DABEIBA (ANTIOQUIA)
3022	Sep 14 2016	03:00:40.1	7.25	-76.31	Sup	2.8	0.6	81	33	MUTATA (ANTIOQUIA)
3023	Sep 14 2016	03:02:12.9	7.21	-76.41	10	2.3	0.2	279	10	MUTATA (ANTIOQUIA)
3024	Sep 14 2016	03:03:10.2	7.20	-76.27	Sup	2.3	0.6	184	14	MUTATA (ANTIOQUIA)
3025	Sep 14 2016	03:04:51.6	7.26	-76.24	Sup	3.5	0.7	70	0	MUTATA (ANTIOQUIA)
3026	Sep 14 2016	03:04:51.6	7.26	-76.24	0	3.5	0.7	70	48	MUTATA (ANTIOQUIA)
3027	Sep 14 2016	03:10:16.5	7.13	-76.17	Sup	1.7	0.4	208	7	DABEIBA (ANTIOQUIA)
3028	Sep 14 2016	03:11: 2.3	7.22	-76.33	12	1.6	0.6	250	7	MUTATA (ANTIOQUIA)
3029	Sep 14 2016	03:14:54.6	7.19	-76.27	Sup	1.9	0.5	244	19	MUTATA (ANTIOQUIA)
3030	Sep 14 2016	03:16:27.2	7.20	-76.35	Sup	1.3	0.2	274	5	MUTATA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3031	Sep 14 2016	03:19:30.2	7.11	-76.24	Sup	1.7	0.5	239	7	DABEIBA (ANTIOQUIA)
3032	Sep 14 2016	03:19:58.3	7.17	-76.23	Sup	1.6	0.2	240	6	DABEIBA (ANTIOQUIA)
3033	Sep 14 2016	03:23:30.5	7.19	-76.42	12	2.5	0.6	288	8	MUTATA (ANTIOQUIA)
3034	Sep 14 2016	03:24:15.5	7.22	-76.27	Sup	3.0	0.8	186	35	MUTATA (ANTIOQUIA)
3035	Sep 14 2016	03:26:39.2	7.11	-76.20	10	1.9	0.5	224	7	DABEIBA (ANTIOQUIA)
3036	Sep 14 2016	03:27:48.6	7.18	-76.24	Sup	1.8	0.5	241	9	DABEIBA (ANTIOQUIA)
3037	Sep 14 2016	03:29:33.1	7.18	-76.23	Sup	1.4	0.3	240	6	DABEIBA (ANTIOQUIA)
3038	Sep 14 2016	03:30:23.4	7.16	-76.21	Sup	1.7	0.2	230	6	DABEIBA (ANTIOQUIA)
3039	Sep 14 2016	03:32:38.0	7.17	-76.23	Sup	1.9	0.5	239	15	DABEIBA (ANTIOQUIA)
3040	Sep 14 2016	03:35: 3.3	7.15	-76.24	Sup	2.6	0.5	178	18	DABEIBA (ANTIOQUIA)
3041	Sep 14 2016	03:38:57.7	7.19	-76.36	7	1.4	0.2	276	10	MUTATA (ANTIOQUIA)
3042	Sep 14 2016	03:39:57.3	7.14	-76.30	14	1.6	0.3	268	6	DABEIBA (ANTIOQUIA)
3043	Sep 14 2016	03:40:35.0	7.17	-76.26	Sup	1.5	0.5	251	7	DABEIBA (ANTIOQUIA)
3044	Sep 14 2016	03:40:59.2	7.19	-76.25	Sup	1.4	0.5	243	7	MUTATA (ANTIOQUIA)
3045	Sep 14 2016	03:45:44.7	7.20	-76.24	Sup	2.4	0.4	242	10	MUTATA (ANTIOQUIA)
3046	Sep 14 2016	03:46:10.2	7.22	-76.23	Sup	3.1	0.7	69	41	MUTATA (ANTIOQUIA)
3047	Sep 14 2016	03:48:38.6	7.15	-76.27	12	1.6	0.2	242	8	DABEIBA (ANTIOQUIA)
3048	Sep 14 2016	03:48:56.9	7.19	-76.32	13	1.7	0.5	248	7	MUTATA (ANTIOQUIA)
3049	Sep 14 2016	03:49:26.4	7.16	-76.22	Sup	1.6	0.4	234	7	DABEIBA (ANTIOQUIA)
3050	Sep 14 2016	03:49:55.5	7.23	-76.31	Sup	2.5	0.8	80	33	MUTATA (ANTIOQUIA)
3051	Sep 14 2016	03:52: 9.0	7.18	-76.22	Sup	1.8	0.4	236	12	DABEIBA (ANTIOQUIA)
3052	Sep 14 2016	03:53:32.1	7.18	-76.20	Sup	2.1	0.7	228	14	DABEIBA (ANTIOQUIA)
3053	Sep 14 2016	03:55:54.7	7.19	-76.20	Sup	2.1	0.7	227	14	DABEIBA (ANTIOQUIA)
3054	Sep 14 2016	03:58:12.2	7.17	-76.18	Sup	2.8	0.8	176	26	DABEIBA (ANTIOQUIA)
3055	Sep 14 2016	04:06:43.0	7.18	-76.21	Sup	2.2	0.7	233	13	DABEIBA (ANTIOQUIA)
3056	Sep 14 2016	04:07:40.3	7.20	-76.28	Sup	3.2	0.6	57	42	MUTATA (ANTIOQUIA)
3057	Sep 14 2016	04:12:40.3	6.78	-73.13	147	1.7	0.4	200	14	LOS SANTOS (SANTANDER)
3058	Sep 14 2016	04:16: 4.1	7.21	-76.36	14	1.6	0.5	276	9	MUTATA (ANTIOQUIA)
3059	Sep 14 2016	04:17:45.3	7.19	-76.23	Sup	2.0	0.6	241	17	DABEIBA (ANTIOQUIA)
3060	Sep 14 2016	04:19:53.1	7.14	-76.20	Sup	1.2	0.6	225	11	DABEIBA (ANTIOQUIA)
3061	Sep 14 2016	04:21:14.0	7.18	-76.24	Sup	1.1	0.7	242	7	DABEIBA (ANTIOQUIA)
3062	Sep 14 2016	04:21:51.1	7.19	-76.19	Sup	1.3	0.5	226	9	DABEIBA (ANTIOQUIA)
3063	Sep 14 2016	04:23:53.6	7.19	-76.21	Sup	1.5	0.5	232	12	DABEIBA (ANTIOQUIA)
3064	Sep 14 2016	04:27:42.6	7.20	-76.32	Sup	1.1	0.5	249	10	MUTATA (ANTIOQUIA)
3065	Sep 14 2016	04:30: 7.4	7.19	-76.20	Sup	2.6	0.7	124	33	DABEIBA (ANTIOQUIA)
3066	Sep 14 2016	04:35:39.9	7.20	-76.25	Sup	2.5	0.6	243	27	MUTATA (ANTIOQUIA)
3067	Sep 14 2016	04:43:46.2	7.19	-76.23	Sup	3.1	0.7	174	51	DABEIBA (ANTIOQUIA)
3068	Sep 14 2016	04:48:35.6	7.18	-76.20	Sup	1.5	0.5	228	16	DABEIBA (ANTIOQUIA)
3069	Sep 14 2016	04:52:14.7	7.14	-76.17	Sup	1.9	0.7	213	24	DABEIBA (ANTIOQUIA)
3070	Sep 14 2016	04:54:53.5	7.20	-76.31	Sup	2.0	0.4	236	23	MUTATA (ANTIOQUIA)
3071	Sep 14 2016	05:00:30.8	7.21	-76.24	Sup	1.4	0.5	243	9	MUTATA (ANTIOQUIA)
3072	Sep 14 2016	05:04:59.7	7.19	-76.23	Sup	2.6	0.8	134	25	DABEIBA (ANTIOQUIA)
3073	Sep 14 2016	05:10:50.5	7.20	-76.24	Sup	2.6	0.5	105	19	MUTATA (ANTIOQUIA)
3074	Sep 14 2016	05:13:14.9	7.20	-76.28	Sup	2.2	0.5	246	14	MUTATA (ANTIOQUIA)
3075	Sep 14 2016	05:29:21.6	7.19	-76.24	Sup	3.6	0.7	174	73	DABEIBA (ANTIOQUIA)
3076	Sep 14 2016	05:34:21.9	7.17	-76.22	Sup	1.4	0.5	235	11	DABEIBA (ANTIOQUIA)
3077	Sep 14 2016	05:39:13.3	7.20	-76.24	Sup	1.9	0.7	231	16	MUTATA (ANTIOQUIA)
3078	Sep 14 2016	05:42:56.0	7.21	-76.26	Sup	2.6	0.8	184	38	MUTATA (ANTIOQUIA)
3079	Sep 14 2016	05:45:15.1	7.19	-76.27	Sup	1.6	0.4	244	8	MUTATA (ANTIOQUIA)
3080	Sep 14 2016	05:46:28.7	7.23	-76.42	Sup	1.5	0.2	280	9	MUTATA (ANTIOQUIA)
3081	Sep 14 2016	05:49:19.0	6.77	-73.15	156	1.4	0.6	234	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3082	Sep 14 2016	05:50:22.2	7.19	-76.20	Sup	1.3	0.7	229	8	DABEIBA (ANTIOQUIA)
3083	Sep 14 2016	05:52:52.2	7.13	-76.13	Sup	1.0	0.7	193	8	DABEIBA (ANTIOQUIA)
3084	Sep 14 2016	05:53:49.5	7.16	-76.19	Sup	1.0	0.4	221	7	DABEIBA (ANTIOQUIA)
3085	Sep 14 2016	05:54:42.0	7.19	-76.21	Sup	1.4	0.4	232	8	DABEIBA (ANTIOQUIA)
3086	Sep 14 2016	05:55:34.1	7.19	-76.25	Sup	1.5	0.5	243	9	MUTATA (ANTIOQUIA)
3087	Sep 14 2016	05:56: 8.7	7.19	-76.22	Sup	1.8	0.3	237	8	DABEIBA (ANTIOQUIA)
3088	Sep 14 2016	05:56:39.8	7.18	-76.19	Sup	2.0	0.5	222	14	DABEIBA (ANTIOQUIA)
3089	Sep 14 2016	05:57:19.2	7.21	-76.26	Sup	2.7	0.6	184	25	MUTATA (ANTIOQUIA)
3090	Sep 14 2016	05:59:53.8	7.18	-76.16	Sup	1.7	0.4	213	10	DABEIBA (ANTIOQUIA)
3091	Sep 14 2016	06:02:12.6	7.17	-76.20	Sup	2.1	0.6	125	30	DABEIBA (ANTIOQUIA)
3092	Sep 14 2016	06:03:33.0	7.20	-76.21	Sup	1.6	0.4	233	11	DABEIBA (ANTIOQUIA)
3093	Sep 14 2016	06:04:46.1	7.13	-76.15	Sup	1.5	0.5	201	12	DABEIBA (ANTIOQUIA)
3094	Sep 14 2016	06:10:13.3	5.79	-74.19	76	1.0	0.1	263	8	OTANCHE (BOYACA)
3095	Sep 14 2016	06:18: 7.1	7.21	-76.25	Sup	3.2	0.6	126	43	MUTATA (ANTIOQUIA)
3096	Sep 14 2016	06:21: 9.4	7.21	-76.26	Sup	3.3	0.6	184	53	MUTATA (ANTIOQUIA)
3097	Sep 14 2016	06:29:48.7	7.15	-76.28	Sup	2.0	0.4	243	31	DABEIBA (ANTIOQUIA)
3098	Sep 14 2016	06:32:50.5	7.16	-76.30	Sup	2.1	0.5	103	40	MUTATA (ANTIOQUIA)
3099	Sep 14 2016	06:33:52.6	7.19	-76.25	Sup	1.4	0.4	242	8	DABEIBA (ANTIOQUIA)
3100	Sep 14 2016	06:35:16.7	7.15	-76.26	Sup	1.9	0.6	242	23	DABEIBA (ANTIOQUIA)
3101	Sep 14 2016	06:36:29.1	7.12	-76.23	Sup	1.7	0.8	238	20	DABEIBA (ANTIOQUIA)
3102	Sep 14 2016	06:37:54.1	7.21	-76.27	Sup	1.8	0.5	245	20	MUTATA (ANTIOQUIA)
3103	Sep 14 2016	06:39:29.2	7.18	-76.20	Sup	1.6	0.5	229	14	DABEIBA (ANTIOQUIA)
3104	Sep 14 2016	06:41:27.9	6.73	-76.03	24	1.6	0.6	149	8	CANASGORDAS (ANTIOQUIA)
3105	Sep 14 2016	06:42:27.9	7.21	-76.32	Sup	2.8	0.4	131	47	MUTATA (ANTIOQUIA)
<u>3106</u>	<u>Sep 14 2016</u>	<u>06:46:59.5</u>	<u>7.23</u>	<u>-76.31</u>	<u>Sup</u>	<u>4.5</u>	<u>0.7</u>	<u>177</u>	<u>0</u>	<u>MUTATA (ANTIOQUIA)</u>
<u>3107</u>	<u>Sep 14 2016</u>	<u>06:46:59.5</u>	<u>7.23</u>	<u>-76.31</u>	<u>0</u>	<u>4.5</u>	<u>0.7</u>	<u>177</u>	<u>83</u>	<u>MUTATA (ANTIOQUIA)</u>
3108	Sep 14 2016	07:00:32.5	7.25	-76.41	Sup	1.2	0.2	256	10	MUTATA (ANTIOQUIA)
3109	Sep 14 2016	07:03:42.6	4.94	-74.64	15	0.7	0.2	225	14	CHAGUANI (CUNDINAMARCA)
3110	Sep 14 2016	07:15:59.2	7.24	-76.34	Sup	2.0	0.5	239	26	MUTATA (ANTIOQUIA)
3111	Sep 14 2016	07:18: 1.9	6.80	-73.10	152	2.2	0.4	123	38	LOS SANTOS (SANTANDER)
3112	Sep 14 2016	07:20:31.8	7.19	-76.21	Sup	2.3	0.6	130	35	DABEIBA (ANTIOQUIA)
3113	Sep 14 2016	07:23:15.8	7.15	-76.22	Sup	1.1	0.5	236	8	DABEIBA (ANTIOQUIA)
3114	Sep 14 2016	07:25:35.4	7.23	-76.27	Sup	3.1	0.8	108	79	MUTATA (ANTIOQUIA)
3115	Sep 14 2016	07:27: 3.8	7.18	-76.18	Sup	2.6	0.5	177	24	DABEIBA (ANTIOQUIA)
3116	Sep 14 2016	07:27: 4.0	7.19	-76.24	Sup	2.6	0.8	182	50	MUTATA (ANTIOQUIA)
3117	Sep 14 2016	07:29:40.8	7.25	-76.30	Sup	1.8	0.4	249	26	MUTATA (ANTIOQUIA)
3118	Sep 14 2016	07:32:22.5	7.04	-76.05	Sup	1.1	0.5	137	10	PEQUE (ANTIOQUIA)
3119	Sep 14 2016	07:34:32.7	7.24	-76.29	Sup	1.4	0.5	237	18	MUTATA (ANTIOQUIA)
3120	Sep 14 2016	07:39:40.1	7.20	-76.29	Sup	1.5	0.3	246	22	MUTATA (ANTIOQUIA)
3121	Sep 14 2016	07:42:55.4	7.23	-76.29	Sup	2.1	0.4	247	20	MUTATA (ANTIOQUIA)
3122	Sep 14 2016	07:44:20.5	7.23	-76.46	12	1.4	0.5	283	10	MUTATA (ANTIOQUIA)
3123	Sep 14 2016	07:45:38.7	5.76	-75.91	60	1.5	0.3	113	16	HISPANIA (ANTIOQUIA)
3124	Sep 14 2016	07:48:25.3	7.26	-76.39	Sup	1.4	0.3	256	16	MUTATA (ANTIOQUIA)
3125	Sep 14 2016	07:52:37.7	7.17	-76.19	Sup	1.4	0.5	223	11	DABEIBA (ANTIOQUIA)
3126	Sep 14 2016	07:56:36.8	7.21	-76.24	Sup	0.8	0.4	242	10	MUTATA (ANTIOQUIA)
3127	Sep 14 2016	07:58:37.0	7.16	-76.16	Sup	1.1	0.4	211	10	DABEIBA (ANTIOQUIA)
3128	Sep 14 2016	07:59:49.4	7.17	-76.17	Sup	1.7	0.5	216	13	DABEIBA (ANTIOQUIA)
3129	Sep 14 2016	08:01: 8.3	7.12	-76.23	Sup	1.4	0.6	238	7	DABEIBA (ANTIOQUIA)
3130	Sep 14 2016	08:11: 2.1	7.23	-76.25	Sup	3.0	0.6	70	55	MUTATA (ANTIOQUIA)
3131	Sep 14 2016	08:14:19.0	7.14	-76.16	Sup	1.0	0.4	204	11	DABEIBA (ANTIOQUIA)
3132	Sep 14 2016	08:18:35.6	7.18	-76.22	Sup	1.3	0.2	237	7	DABEIBA (ANTIOQUIA)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3133	Sep 14 2016	08:19:28.8	7.17	-76.17	Sup	1.6	0.6	216	12	DABEIBA (ANTIOQUIA)
3134	Sep 14 2016	08:24: 2.0	7.17	-76.17	Sup	1.6	0.6	216	12	DABEIBA (ANTIOQUIA)
3135	Sep 14 2016	08:25:23.4	7.16	-76.18	Sup	1.5	0.5	218	12	DABEIBA (ANTIOQUIA)
3136	Sep 14 2016	08:27:14.5	7.19	-76.21	Sup	1.3	0.5	234	12	DABEIBA (ANTIOQUIA)
3137	Sep 14 2016	08:32:34.8	7.25	-76.31	Sup	1.4	0.4	250	10	MUTATA (ANTIOQUIA)
3138	Sep 14 2016	08:36:23.2	7.20	-76.21	Sup	1.2	0.5	233	8	DABEIBA (ANTIOQUIA)
3139	Sep 14 2016	08:42:36.6	7.18	-76.21	Sup	1.2	0.4	231	12	DABEIBA (ANTIOQUIA)
3140	Sep 14 2016	08:43:45.4	7.16	-76.17	Sup	1.1	0.4	215	10	DABEIBA (ANTIOQUIA)
3141	Sep 14 2016	08:47:46.7	7.24	-76.29	Sup	1.3	0.4	248	8	MUTATA (ANTIOQUIA)
3142	Sep 14 2016	08:55:30.7	7.19	-76.24	Sup	1.1	0.4	242	8	DABEIBA (ANTIOQUIA)
3143	Sep 14 2016	08:55:54.9	7.15	-76.14	Sup	1.5	0.5	201	7	DABEIBA (ANTIOQUIA)
3144	Sep 14 2016	08:59:22.2	7.16	-76.16	Sup	1.2	0.2	210	8	DABEIBA (ANTIOQUIA)
3145	Sep 14 2016	09:04:16.8	7.18	-76.28	12	1.0	0.2	244	8	MUTATA (ANTIOQUIA)
3146	Sep 14 2016	09:06: 7.3	7.15	-76.14	Sup	1.0	0.3	202	8	DABEIBA (ANTIOQUIA)
3147	Sep 14 2016	09:06:57.5	7.19	-76.24	Sup	1.1	0.1	241	6	DABEIBA (ANTIOQUIA)
3148	Sep 14 2016	09:06:59.2	7.15	-76.11	Sup	1.5	0.6	190	6	DABEIBA (ANTIOQUIA)
3149	Sep 14 2016	09:07:42.7	7.17	-76.28	12	1.3	0.1	244	8	MUTATA (ANTIOQUIA)
3150	Sep 14 2016	09:08:36.6	7.17	-76.21	Sup	1.1	0.5	230	7	DABEIBA (ANTIOQUIA)
3151	Sep 14 2016	09:11:28.5	7.24	-76.26	Sup	3.2	0.8	128	38	MUTATA (ANTIOQUIA)
3152	Sep 14 2016	09:30:12.8	6.80	-73.21	133	1.5	0.5	129	14	ZAPATOCA (SANTANDER)
3153	Sep 14 2016	09:34:48.1	7.25	-76.35	Sup	1.6	0.5	252	13	MUTATA (ANTIOQUIA)
3154	Sep 14 2016	09:40:48.9	7.20	-76.30	13	1.3	0.5	247	9	MUTATA (ANTIOQUIA)
3155	Sep 14 2016	09:43:51.6	5.39	-76.15	90	2.5	0.5	83	29	PUEBLO RICO (RISARALDA)
3156	Sep 14 2016	09:46:42.6	7.20	-76.27	Sup	2.0	0.3	244	7	MUTATA (ANTIOQUIA)
3157	Sep 14 2016	09:49:26.8	7.09	-73.45	111	2.4	0.7	76	33	SAN VICENTE DE CHUCURI (SANTANDER)
3158	Sep 14 2016	10:10:26.3	7.19	-76.25	Sup	1.9	0.7	243	14	MUTATA (ANTIOQUIA)
3159	Sep 14 2016	10:13:44.5	7.20	-76.25	Sup	1.6	0.6	243	16	MUTATA (ANTIOQUIA)
3160	Sep 14 2016	10:24:56.4	7.21	-76.24	Sup	1.9	0.5	183	20	MUTATA (ANTIOQUIA)
3161	Sep 14 2016	10:32: 3.8	7.24	-76.34	9	1.8	0.5	252	18	MUTATA (ANTIOQUIA)
3162	Sep 14 2016	10:38:59.1	7.22	-76.30	Sup	2.0	0.3	248	20	MUTATA (ANTIOQUIA)
3163	Sep 14 2016	10:44:13.2	7.17	-76.26	Sup	1.6	0.4	251	8	DABEIBA (ANTIOQUIA)
3164	Sep 14 2016	10:45: 9.0	7.18	-76.28	Sup	1.2	0.5	256	7	MUTATA (ANTIOQUIA)
3165	Sep 14 2016	10:45:46.9	7.22	-76.35	Sup	2.5	0.5	194	39	MUTATA (ANTIOQUIA)
3166	Sep 14 2016	10:55:17.7	7.16	-76.20	Sup	1.1	0.5	225	8	DABEIBA (ANTIOQUIA)
3167	Sep 14 2016	10:56: 8.4	7.19	-76.24	Sup	1.5	0.6	242	8	DABEIBA (ANTIOQUIA)
3168	Sep 14 2016	11:00:43.3	7.22	-76.27	Sup	2.5	0.4	253	8	MUTATA (ANTIOQUIA)
3169	Sep 14 2016	11:11:40.5	7.14	-76.30	19	1.4	0.2	267	10	DABEIBA (ANTIOQUIA)
3170	Sep 14 2016	11:22:52.5	6.77	-73.12	144	1.9	0.3	140	14	LOS SANTOS (SANTANDER)
3171	Sep 14 2016	11:23:27.3	7.21	-76.29	Sup	1.9	0.3	235	16	MUTATA (ANTIOQUIA)
3172	Sep 14 2016	11:38: 8.7	7.12	-76.21	Sup	1.0	0.2	229	10	DABEIBA (ANTIOQUIA)
3173	Sep 14 2016	11:41:13.7	7.18	-76.29	Sup	1.4	0.3	246	10	MUTATA (ANTIOQUIA)
3174	Sep 14 2016	11:53:21.5	7.25	-76.36	Sup	1.8	0.4	253	24	MUTATA (ANTIOQUIA)
3175	Sep 14 2016	11:55:57.2	7.19	-76.24	Sup	1.7	0.6	231	24	DABEIBA (ANTIOQUIA)
3176	Sep 14 2016	11:58:10.4	7.14	-76.20	Sup	1.3	0.4	224	10	DABEIBA (ANTIOQUIA)
<u>3177</u>	<u>Sep 14 2016</u>	<u>12:02:52.0</u>	<u>7.20</u>	<u>-76.24</u>	<u>Sup</u>	<u>4.0</u>	<u>0.6</u>	<u>77</u>	<u>0</u>	<u>MUTATA (ANTIOQUIA)</u>
<u>3178</u>	<u>Sep 14 2016</u>	<u>12:02:52.0</u>	<u>7.20</u>	<u>-76.24</u>	<u>0</u>	<u>4.0</u>	<u>0.6</u>	<u>77</u>	<u>104</u>	<u>MUTATA (ANTIOQUIA)</u>
3179	Sep 14 2016	12:12:19.0	7.20	-76.26	Sup	1.8	0.5	244	9	MUTATA (ANTIOQUIA)
3180	Sep 14 2016	12:20: 2.2	7.21	-76.36	13	1.5	0.6	276	8	MUTATA (ANTIOQUIA)
3181	Sep 14 2016	12:36:17.7	7.19	-76.27	Sup	2.6	0.6	135	26	MUTATA (ANTIOQUIA)
3182	Sep 14 2016	12:37:58.9	7.20	-76.26	Sup	2.2	0.3	248	8	MUTATA (ANTIOQUIA)
3183	Sep 14 2016	12:42:20.4	7.20	-76.26	14	1.6	0.6	244	8	MUTATA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3184	Sep 14 2016	12:48:40.2	7.21	-76.24	Sup	2.7	1.0	175	38	MUTATA (ANTIOQUIA)
3185	Sep 14 2016	13:00:52.8	7.17	-76.18	Sup	1.4	0.6	221	10	DABEIBA (ANTIOQUIA)
3186	Sep 14 2016	13:08:42.9	7.16	-76.21	Sup	1.6	0.3	233	15	DABEIBA (ANTIOQUIA)
3187	Sep 14 2016	13:20: 1.5	7.18	-76.23	Sup	1.2	0.4	239	10	DABEIBA (ANTIOQUIA)
3188	Sep 14 2016	13:20:28.4	6.91	-76.26	Sup	1.2	0.4	220	7	DABEIBA (ANTIOQUIA)
3189	Sep 14 2016	13:25:27.7	7.11	-76.21	Sup	1.2	0.4	231	9	DABEIBA (ANTIOQUIA)
3190	Sep 14 2016	13:51:38.2	7.20	-76.36	Sup	1.2	0.5	251	10	MUTATA (ANTIOQUIA)
3191	Sep 14 2016	13:54:13.1	7.17	-76.33	Sup	1.3	0.4	248	10	MUTATA (ANTIOQUIA)
3192	Sep 14 2016	14:06:46.7	7.22	-76.32	Sup	1.6	0.3	250	10	MUTATA (ANTIOQUIA)
3193	Sep 14 2016	14:10:18.1	7.24	-76.31	13	1.2	0.1	263	8	MUTATA (ANTIOQUIA)
3194	Sep 14 2016	14:29:52.3	7.23	-76.31	Sup	1.7	0.5	249	10	MUTATA (ANTIOQUIA)
3195	Sep 14 2016	14:34: 9.7	7.22	-76.34	Sup	1.4	0.5	250	9	MUTATA (ANTIOQUIA)
3196	Sep 14 2016	14:43:58.2	7.15	-76.29	Sup	3.6	0.8	49	80	DABEIBA (ANTIOQUIA)
3197	Sep 14 2016	14:55: 8.4	7.16	-76.26	Sup	2.4	0.7	242	28	DABEIBA (ANTIOQUIA)
3198	Sep 14 2016	15:09:13.6	7.16	-76.20	Sup	1.6	0.4	224	10	DABEIBA (ANTIOQUIA)
3199	Sep 14 2016	15:13: 7.3	7.20	-76.22	Sup	1.8	0.6	237	11	DABEIBA (ANTIOQUIA)
3200	Sep 14 2016	15:33: 1.1	7.19	-76.25	Sup	1.3	0.2	243	8	MUTATA (ANTIOQUIA)
3201	Sep 14 2016	15:33:49.1	7.15	-76.25	Sup	1.6	0.6	241	10	DABEIBA (ANTIOQUIA)
3202	Sep 14 2016	15:59: 0.1	7.21	-76.22	Sup	2.5	0.6	144	18	MUTATA (ANTIOQUIA)
<u>3203</u>	<u>Sep 14 2016</u>	<u>15:59:34.8</u>	<u>7.24</u>	<u>-76.34</u>	<u>Sup</u>	<u>4.3</u>	<u>0.5</u>	<u>51</u>	<u>112</u>	<u>MUTATA (ANTIOQUIA)</u>
3204	Sep 14 2016	16:03:25.8	7.18	-76.27	Sup	2.3	0.3	144	13	MUTATA (ANTIOQUIA)
3205	Sep 14 2016	16:05:42.1	7.22	-76.37	8	1.8	0.5	253	11	MUTATA (ANTIOQUIA)
3206	Sep 14 2016	16:11:42.1	7.14	-76.24	Sup	1.9	0.7	240	18	DABEIBA (ANTIOQUIA)
3207	Sep 14 2016	16:20:26.5	7.24	-76.28	Sup	1.8	0.6	247	10	MUTATA (ANTIOQUIA)
3208	Sep 14 2016	16:27:10.6	7.15	-76.17	Sup	1.2	0.4	213	10	DABEIBA (ANTIOQUIA)
3209	Sep 14 2016	16:40:52.8	7.21	-76.30	Sup	1.7	0.2	247	12	MUTATA (ANTIOQUIA)
3210	Sep 14 2016	16:50:36.7	7.21	-76.33	Sup	2.1	0.2	249	14	MUTATA (ANTIOQUIA)
3211	Sep 14 2016	17:20: 7.6	7.23	-76.35	Sup	2.0	0.4	151	16	MUTATA (ANTIOQUIA)
3212	Sep 14 2016	17:22:19.4	7.17	-76.22	Sup	1.7	0.3	235	12	DABEIBA (ANTIOQUIA)
3213	Sep 14 2016	17:26:33.6	7.21	-76.29	Sup	2.3	0.5	147	19	MUTATA (ANTIOQUIA)
3214	Sep 14 2016	17:39: 9.7	7.19	-76.20	Sup	1.6	0.4	228	10	DABEIBA (ANTIOQUIA)
3215	Sep 14 2016	18:13:40.8	7.19	-76.26	Sup	1.7	0.2	248	8	MUTATA (ANTIOQUIA)
3216	Sep 14 2016	18:26:32.3	7.20	-76.26	Sup	1.6	0.2	244	10	MUTATA (ANTIOQUIA)
3217	Sep 14 2016	19:20: 2.8	7.19	-76.25	Sup	1.9	0.3	242	12	MUTATA (ANTIOQUIA)
3218	Sep 14 2016	19:26:19.4	7.06	-72.20	Sup	3.8	0.6	99	0	CUBARA (BOYACA)
3219	Sep 14 2016	19:26:19.4	7.06	-72.20	0	3.8	0.6	99	46	CUBARA (BOYACA)
3220	Sep 14 2016	19:30:53.6	7.22	-76.24	Sup	1.4	0.3	243	9	MUTATA (ANTIOQUIA)
3221	Sep 14 2016	19:38: 2.7	7.19	-76.25	Sup	2.1	0.4	144	15	MUTATA (ANTIOQUIA)
3222	Sep 14 2016	19:48:20.1	7.26	-76.35	Sup	2.9	0.5	60	40	MUTATA (ANTIOQUIA)
3223	Sep 14 2016	20:16:18.9	7.22	-76.30	Sup	2.6	0.6	91	36	MUTATA (ANTIOQUIA)
3224	Sep 14 2016	20:27:37.3	6.76	-73.16	141	1.8	0.3	136	15	LOS SANTOS (SANTANDER)
3225	Sep 14 2016	20:32:15.2	7.26	-76.34	Sup	1.5	0.3	252	8	MUTATA (ANTIOQUIA)
3226	Sep 14 2016	20:36:54.4	6.82	-73.16	144	2.7	0.6	132	34	LOS SANTOS (SANTANDER)
3227	Sep 14 2016	20:50:18.7	6.79	-73.13	148	2.2	0.5	138	18	LOS SANTOS (SANTANDER)
3228	Sep 14 2016	21:46: 0.5	7.18	-76.25	Sup	2.4	0.6	143	30	DABEIBA (ANTIOQUIA)
3229	Sep 14 2016	22:05:19.0	7.25	-76.34	Sup	1.4	0.2	269	10	MUTATA (ANTIOQUIA)
3230	Sep 14 2016	22:07:13.8	7.19	-76.25	Sup	1.5	0.4	243	10	MUTATA (ANTIOQUIA)
3231	Sep 14 2016	22:09: 9.5	7.18	-76.24	Sup	1.6	0.3	241	10	DABEIBA (ANTIOQUIA)
3232	Sep 14 2016	22:18:34.9	7.75	-72.96	Sup	1.8	0.7	183	13	CACHIRA (N.SANTANDER)
3233	Sep 14 2016	22:18:34.9	7.78	-72.94	Sup	1.8	0.5	190	15	CACHIRA (N.SANTANDER)
3234	Sep 14 2016	22:23:47.1	5.85	-74.84	Sup	1.3	0.5	96	14	PUERTO TRIUNFO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3235	Sep 14 2016	22:36:40.3	7.19	-76.26	Sup	1.5	0.4	243	12	MUTATA (ANTIOQUIA)
3236	Sep 14 2016	23:04:34.8	6.74	-73.36	120	1.5	0.5	174	10	ZAPATOCA (SANTANDER)
3237	Sep 14 2016	23:18:28.6	7.17	-76.33	Sup	1.8	0.6	248	10	MUTATA (ANTIOQUIA)
3238	Sep 14 2016	23:20:42.6	7.16	-76.19	Sup	2.2	0.5	223	24	DABEIBA (ANTIOQUIA)
3239	Sep 14 2016	23:48:12.4	7.20	-76.23	Sup	1.6	0.3	240	12	DABEIBA (ANTIOQUIA)
3240	Sep 15 2016	00:41:11.0	7.22	-76.29	Sup	1.7	0.4	247	24	MUTATA (ANTIOQUIA)
3241	Sep 15 2016	00:51: 3.1	7.18	-76.27	Sup	1.5	0.4	244	14	MUTATA (ANTIOQUIA)
3242	Sep 15 2016	00:52: 0.4	6.81	-73.13	143	2.0	0.4	138	19	LOS SANTOS (SANTANDER)
3243	Sep 15 2016	01:03: 5.2	6.76	-73.12	142	1.5	0.3	238	12	LOS SANTOS (SANTANDER)
3244	Sep 15 2016	01:06:14.6	6.76	-73.12	139	2.1	0.4	141	26	LOS SANTOS (SANTANDER)
3245	Sep 15 2016	01:30:13.8	7.14	-76.23	Sup	0.9	0.2	238	10	DABEIBA (ANTIOQUIA)
3246	Sep 15 2016	01:31: 9.7	6.82	-73.07	140	1.8	0.5	215	22	LOS SANTOS (SANTANDER)
3247	Sep 15 2016	01:38:17.4	6.77	-73.15	144	1.8	0.3	234	19	LOS SANTOS (SANTANDER)
3248	Sep 15 2016	01:44:11.0	4.73	-78.56	70	1.5	0.2	302	7	O. PACIFICO CENTRO
3249	Sep 15 2016	01:57:45.3	7.14	-76.20	Sup	1.7	0.4	225	14	DABEIBA (ANTIOQUIA)
3250	Sep 15 2016	01:59:37.8	6.74	-73.14	147	1.6	0.3	233	9	LOS SANTOS (SANTANDER)
3251	Sep 15 2016	02:01:55.2	7.21	-76.29	14	1.1	0.3	247	10	MUTATA (ANTIOQUIA)
3252	Sep 15 2016	02:25:35.8	7.21	-76.26	Sup	2.3	0.5	106	22	MUTATA (ANTIOQUIA)
3253	Sep 15 2016	02:31:56.3	7.22	-76.26	Sup	1.2	0.3	244	10	MUTATA (ANTIOQUIA)
3254	Sep 15 2016	02:35: 5.8	7.16	-76.21	Sup	1.0	0.4	229	12	DABEIBA (ANTIOQUIA)
3255	Sep 15 2016	02:37:55.7	7.33	-76.46	6	1.3	0.5	263	10	MUTATA (ANTIOQUIA)
3256	Sep 15 2016	02:43:12.3	7.22	-76.22	Sup	1.3	0.3	236	12	MUTATA (ANTIOQUIA)
3257	Sep 15 2016	02:52: 0.3	6.64	-76.71	19	1.8	0.5	241	14	VIGIA DEL FUERTE (ANTIOQUIA)
3258	Sep 15 2016	03:00:41.3	7.15	-76.20	Sup	1.4	0.8	225	10	DABEIBA (ANTIOQUIA)
3259	Sep 15 2016	03:03:53.1	7.16	-76.20	Sup	0.9	0.5	226	9	DABEIBA (ANTIOQUIA)
3260	Sep 15 2016	03:38:38.1	2.17	-74.76	Sup	1.4	0.7	181	6	SAN VICENTE DEL CAGUAN (CAQUETA)
3261	Sep 15 2016	03:51:39.2	7.14	-76.29	Sup	3.4	0.6	57	57	DABEIBA (ANTIOQUIA)
3262	Sep 15 2016	03:58:33.2	7.23	-76.31	Sup	1.1	0.6	249	8	MUTATA (ANTIOQUIA)
3263	Sep 15 2016	04:21:46.2	6.27	-73.71	103	1.2	0.4	121	12	LANDAZURI (SANTANDER)
3264	Sep 15 2016	04:50:57.3	7.18	-76.21	Sup	2.1	0.4	232	16	DABEIBA (ANTIOQUIA)
3265	Sep 15 2016	05:10:57.7	7.16	-76.22	Sup	1.5	0.3	235	12	DABEIBA (ANTIOQUIA)
3266	Sep 15 2016	05:12:48.8	7.17	-76.19	Sup	1.5	0.3	225	12	DABEIBA (ANTIOQUIA)
3267	Sep 15 2016	05:14:47.9	7.13	-76.26	16	1.0	0.3	256	7	DABEIBA (ANTIOQUIA)
3268	Sep 15 2016	05:21:52.3	6.80	-73.12	147	2.5	0.4	72	38	LOS SANTOS (SANTANDER)
3269	Sep 15 2016	05:42:36.8	6.77	-73.11	146	1.8	0.2	186	15	LOS SANTOS (SANTANDER)
3270	Sep 15 2016	06:03:42.6	7.19	-76.23	Sup	2.3	0.3	239	14	DABEIBA (ANTIOQUIA)
3271	Sep 15 2016	06:12:28.1	7.23	-76.26	Sup	2.3	0.4	148	34	MUTATA (ANTIOQUIA)
3272	Sep 15 2016	06:14:23.6	7.19	-76.25	Sup	1.5	0.4	242	13	MUTATA (ANTIOQUIA)
3273	Sep 15 2016	06:18:26.7	7.21	-76.29	Sup	1.7	0.3	246	16	MUTATA (ANTIOQUIA)
3274	Sep 15 2016	06:32:34.6	6.14	-73.79	101	1.8	0.4	100	23	LANDAZURI (SANTANDER)
3275	Sep 15 2016	06:36:46.5	7.07	-76.29	11	1.1	0.3	241	7	DABEIBA (ANTIOQUIA)
3276	Sep 15 2016	07:10: 8.4	7.17	-76.30	13	1.2	0.3	246	8	MUTATA (ANTIOQUIA)
3277	Sep 15 2016	07:13: 1.5	7.18	-76.24	Sup	1.6	0.4	241	14	DABEIBA (ANTIOQUIA)
3278	Sep 15 2016	07:19:53.5	5.95	-73.57	122	1.7	0.3	141	15	BARBOSA (SANTANDER)
3279	Sep 15 2016	07:28: 5.0	6.84	-73.14	146	1.8	0.3	245	13	LOS SANTOS (SANTANDER)
3280	Sep 15 2016	07:40:33.1	7.22	-76.28	Sup	2.6	0.5	107	27	MUTATA (ANTIOQUIA)
3281	Sep 15 2016	07:44:37.2	7.17	-76.23	Sup	1.2	0.7	241	8	DABEIBA (ANTIOQUIA)
3282	Sep 15 2016	07:54:51.5	6.84	-73.11	150	1.3	0.3	245	6	LOS SANTOS (SANTANDER)
3283	Sep 15 2016	07:57: 4.5	7.43	-73.12	128	1.3	0.4	192	13	EL PLAYON (SANTANDER)
3284	Sep 15 2016	08:37:23.1	7.17	-76.24	Sup	1.3	0.4	241	7	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3285	Sep 15 2016	08:38:15.8	7.19	-76.24	Sup	1.7	0.5	242	13	DABEIBA (ANTIOQUIA)
3286	Sep 15 2016	08:48: 2.2	7.19	-76.24	Sup	1.5	0.4	241	11	DABEIBA (ANTIOQUIA)
3287	Sep 15 2016	09:05:50.0	7.18	-76.19	Sup	1.7	0.5	222	21	DABEIBA (ANTIOQUIA)
3288	Sep 15 2016	09:44: 6.6	6.76	-73.11	141	1.6	0.5	165	11	LOS SANTOS (SANTANDER)
3289	Sep 15 2016	09:54: 9.7	2.95	-74.77	Sup	1.7	0.4	188	10	BARAYA (HUILA)
3290	Sep 15 2016	09:59:43.1	7.22	-76.34	14	1.4	0.3	251	9	MUTATA (ANTIOQUIA)
3291	Sep 15 2016	10:28: 8.2	6.77	-73.12	149	1.8	0.4	258	14	LOS SANTOS (SANTANDER)
3292	Sep 15 2016	10:29: 8.8	7.19	-76.25	Sup	1.5	0.2	246	8	MUTATA (ANTIOQUIA)
3293	Sep 15 2016	11:01:20.2	7.20	-76.31	Sup	1.9	0.4	265	14	MUTATA (ANTIOQUIA)
3294	Sep 15 2016	11:11:29.1	7.20	-76.31	Sup	2.1	0.5	147	20	MUTATA (ANTIOQUIA)
3295	Sep 15 2016	11:20:42.1	5.28	-73.73	144	2.6	0.5	65	47	LENGUAZQUE (CUNDINAMARCA)
3296	Sep 15 2016	11:37:24.8	7.20	-76.30	12	1.2	0.4	247	7	MUTATA (ANTIOQUIA)
3297	Sep 15 2016	14:42:21.0	6.79	-73.14	143	2.6	0.4	71	37	LOS SANTOS (SANTANDER)
3298	Sep 15 2016	16:55: 3.6	5.46	-74.12	109	2.5	0.4	87	32	MUZO (BOYACA)
3299	Sep 15 2016	17:06:37.0	6.81	-73.15	136	1.6	0.5	135	10	LOS SANTOS (SANTANDER)
3300	Sep 15 2016	17:20: 1.0	7.16	-76.23	Sup	1.3	0.4	239	10	DABEIBA (ANTIOQUIA)
3301	Sep 15 2016	17:26:40.9	7.18	-76.26	Sup	1.9	0.5	243	10	DABEIBA (ANTIOQUIA)
3302	Sep 15 2016	17:27:34.4	7.19	-76.26	Sup	1.9	0.5	244	12	MUTATA (ANTIOQUIA)
3303	Sep 15 2016	18:11:41.2	6.78	-73.16	142	1.8	0.3	242	18	LOS SANTOS (SANTANDER)
3304	Sep 15 2016	18:17:49.3	12.64	-73.21	28	3.4	0.4	270	10	MAR CARIBE
3305	Sep 15 2016	19:20: 9.8	7.15	-76.22	Sup	2.2	0.5	139	26	DABEIBA (ANTIOQUIA)
3306	Sep 15 2016	19:31:55.1	5.87	-74.15	9	2.3	0.4	71	32	LA BELLEZA (SANTANDER)
3307	Sep 15 2016	19:51:19.0	6.84	-73.17	143	1.6	0.2	278	10	ZAPATOCA (SANTANDER)
3308	Sep 15 2016	20:27: 3.5	7.25	-76.30	Sup	1.6	0.5	249	11	MUTATA (ANTIOQUIA)
3309	Sep 15 2016	21:28:54.4	7.21	-76.27	Sup	1.4	0.6	245	10	MUTATA (ANTIOQUIA)
3310	Sep 15 2016	22:17:40.3	7.17	-76.20	Sup	1.5	0.7	227	10	DABEIBA (ANTIOQUIA)
3311	Sep 15 2016	22:31: 6.8	7.19	-76.26	Sup	1.9	0.7	243	15	MUTATA (ANTIOQUIA)
3312	Sep 15 2016	22:34:19.8	7.57	-73.01	157	2.2	0.5	125	24	CACHIRA (N.SANTANDER)
3313	Sep 15 2016	22:55: 9.5	7.17	-76.23	Sup	1.4	0.4	239	8	DABEIBA (ANTIOQUIA)
3314	Sep 15 2016	23:02:27.3	7.19	-76.22	Sup	1.6	0.5	236	9	DABEIBA (ANTIOQUIA)
3315	Sep 15 2016	23:19:18.7	5.26	-73.72	151	2.7	0.5	65	46	LENGUAZQUE (CUNDINAMARCA)
3316	Sep 15 2016	23:42:53.2	7.19	-76.22	Sup	1.6	0.6	230	13	DABEIBA (ANTIOQUIA)
3317	Sep 15 2016	23:44:43.3	7.21	-76.39	12	1.1	0.2	281	9	MUTATA (ANTIOQUIA)
3318	Sep 16 2016	00:31:21.8	7.17	-76.27	Sup	1.3	0.4	255	8	MUTATA (ANTIOQUIA)
3319	Sep 16 2016	00:36:37.7	7.17	-76.31	8	1.3	0.5	246	8	MUTATA (ANTIOQUIA)
3320	Sep 16 2016	01:18: 6.6	6.39	-73.60	104	1.3	0.4	143	8	SANTA HELENA DEL OPO (SANTANDER)
3321	Sep 16 2016	01:48:23.3	7.25	-76.32	Sup	1.6	0.5	251	12	MUTATA (ANTIOQUIA)
3322	Sep 16 2016	02:19: 5.0	7.19	-76.25	Sup	1.3	0.7	243	10	MUTATA (ANTIOQUIA)
3323	Sep 16 2016	02:27: 5.1	6.80	-73.13	146	1.4	0.4	138	14	LOS SANTOS (SANTANDER)
3324	Sep 16 2016	02:31:29.3	7.17	-76.24	Sup	1.0	0.5	243	8	DABEIBA (ANTIOQUIA)
3325	Sep 16 2016	02:37:40.4	6.80	-73.14	152	4.0	0.5	53	0	LOS SANTOS (SANTANDER)
3326	Sep 16 2016	02:37:40.4	6.80	-73.14	152	4.0	0.5	53	90	LOS SANTOS (SANTANDER)
3327	Sep 16 2016	02:43:20.9	7.20	-76.27	Sup	1.7	0.4	244	11	MUTATA (ANTIOQUIA)
3328	Sep 16 2016	03:02: 1.3	7.18	-76.23	Sup	1.5	0.5	238	10	DABEIBA (ANTIOQUIA)
3329	Sep 16 2016	03:16:43.1	7.14	-76.17	Sup	1.9	0.5	212	24	DABEIBA (ANTIOQUIA)
3330	Sep 16 2016	03:19: 4.2	7.19	-76.28	Sup	1.3	0.4	245	10	MUTATA (ANTIOQUIA)
3331	Sep 16 2016	03:25:50.0	10.69	-73.49	32	1.5	0.4	160	10	PUEBLO BELLO (CESAR)
3332	Sep 16 2016	03:35:23.4	6.77	-73.11	145	1.8	0.4	122	23	LOS SANTOS (SANTANDER)
3333	Sep 16 2016	03:50:28.4	6.81	-73.15	146	2.7	0.5	56	51	LOS SANTOS (SANTANDER)
3334	Sep 16 2016	03:56:25.1	7.20	-76.33	Sup	1.2	0.3	249	10	MUTATA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3335	Sep 16 2016	04:07:36.5	6.78	-73.14	146	1.5	0.4	137	13	LOS SANTOS (SANTANDER)
3336	Sep 16 2016	04:37:15.2	10.82	-72.39	46	1.7	0.3	194	9	FRONTERA CON VENEZUELA
3337	Sep 16 2016	04:51:51.4	7.19	-76.29	Sup	1.2	0.4	245	10	MUTATA (ANTIOQUIA)
3338	Sep 16 2016	05:04:55.1	7.17	-76.22	Sup	1.2	0.4	237	8	DABEIBA (ANTIOQUIA)
3339	Sep 16 2016	05:23:54.9	7.14	-76.29	9	0.8	0.2	244	8	DABEIBA (ANTIOQUIA)
3340	Sep 16 2016	05:25:22.7	6.79	-73.16	146	1.8	0.4	134	24	LOS SANTOS (SANTANDER)
3341	Sep 16 2016	05:32:31.1	6.79	-73.14	137	1.1	0.2	137	14	LOS SANTOS (SANTANDER)
3342	Sep 16 2016	05:59:22.8	6.76	-73.13	148	1.6	0.4	140	24	LOS SANTOS (SANTANDER)
3343	Sep 16 2016	06:22:27.3	7.18	-76.24	Sup	1.2	0.5	242	12	DABEIBA (ANTIOQUIA)
3344	Sep 16 2016	06:53:42.2	7.19	-76.23	Sup	0.9	0.4	239	12	DABEIBA (ANTIOQUIA)
3345	Sep 16 2016	06:57:37.3	7.16	-76.21	Sup	1.4	0.3	231	12	DABEIBA (ANTIOQUIA)
3346	Sep 16 2016	07:35:11.4	7.16	-76.22	Sup	2.6	0.7	198	25	DABEIBA (ANTIOQUIA)
3347	Sep 16 2016	07:49:17.5	7.19	-76.25	Sup	2.4	0.4	231	32	MUTATA (ANTIOQUIA)
3348	Sep 16 2016	08:09:35.5	7.19	-76.26	Sup	1.6	0.4	243	14	MUTATA (ANTIOQUIA)
3349	Sep 16 2016	09:29:27.1	7.22	-76.26	Sup	2.7	0.6	185	31	MUTATA (ANTIOQUIA)
3350	Sep 16 2016	09:29:27.3	4.48	-76.17	135	2.4	0.5	143	19	EL DOVIO (VALLE)
3351	Sep 16 2016	09:32: 3.2	7.20	-76.23	Sup	1.7	0.5	239	12	MUTATA (ANTIOQUIA)
3352	Sep 16 2016	09:34:51.4	6.77	-73.12	153	1.6	0.3	140	16	LOS SANTOS (SANTANDER)
3353	Sep 16 2016	09:59: 4.4	7.40	-73.19	133	1.6	0.3	105	14	EL PLAYON (SANTANDER)
3354	Sep 16 2016	12:00:43.8	6.57	-73.47	118	1.9	0.4	70	20	EL CARMEN (SANTANDER)
3355	Sep 16 2016	12:06:20.7	6.81	-73.19	127	1.3	0.2	130	11	ZAPATOCA (SANTANDER)
3356	Sep 16 2016	12:33:57.5	7.14	-76.26	7	1.2	0.2	242	8	DABEIBA (ANTIOQUIA)
3357	Sep 16 2016	13:39:59.8	6.78	-73.14	138	2.0	0.4	138	20	LOS SANTOS (SANTANDER)
3358	Sep 16 2016	13:44:53.3	7.14	-76.24	15	1.4	0.3	240	8	DABEIBA (ANTIOQUIA)
3359	Sep 16 2016	14:13:44.4	5.61	-73.94	128	1.6	0.4	130	12	PAUNA (BOYACA)
3360	Sep 16 2016	14:30:20.0	7.19	-76.24	Sup	1.5	0.4	242	10	DABEIBA (ANTIOQUIA)
3361	Sep 16 2016	14:32:43.6	6.31	-74.21	66	1.5	0.3	152	8	CIMITARRA (SANTANDER)
3362	Sep 16 2016	15:01:59.6	6.85	-73.16	140	1.5	0.4	131	10	ZAPATOCA (SANTANDER)
3363	Sep 16 2016	15:51:45.0	6.81	-73.18	136	1.7	0.6	131	12	ZAPATOCA (SANTANDER)
3364	Sep 16 2016	16:28:44.0	6.77	-73.11	151	2.1	0.4	239	18	LOS SANTOS (SANTANDER)
3365	Sep 16 2016	16:52:39.1	7.23	-76.31	Sup	2.1	0.5	249	20	MUTATA (ANTIOQUIA)
3366	Sep 16 2016	17:27: 5.3	5.21	-72.96	Sup	2.3	0.5	264	24	SAN EDUARDO (BOYACA)
3367	Sep 16 2016	17:31:17.8	2.39	-75.57	22	1.3	0.2	200	8	GIGANTE (HUILA)
3368	Sep 16 2016	19:43:44.2	6.78	-73.17	146	2.0	0.3	134	14	LOS SANTOS (SANTANDER)
3369	Sep 16 2016	19:49:34.1	7.22	-76.25	Sup	2.8	0.7	147	28	MUTATA (ANTIOQUIA)
3370	Sep 16 2016	20:13: 1.0	6.79	-73.21	135	1.5	0.2	129	7	ZAPATOCA (SANTANDER)
3371	Sep 16 2016	20:18:22.6	6.77	-76.22	Sup	1.6	0.3	197	12	FRONTINO (ANTIOQUIA)
3372	Sep 16 2016	21:57:32.9			Sup			293	8	MUTATA (ANTIOQUIA)
3373	Sep 16 2016	22:13:22.6	6.77	-73.15	145	1.8	0.3	137	18	LOS SANTOS (SANTANDER)
3374	Sep 16 2016	22:48:22.6	6.18	-73.61	117	1.9	0.1	72	18	LA PAZ (SANTANDER)
3375	Sep 16 2016	23:19:55.8	9.97	-73.23	118	2.3	0.3	152	13	AGUSTIN CODAZZI (CESAR)
3376	Sep 16 2016	23:33: 8.3	7.13	-76.40	10	1.7	0.4	277	9	MUTATA (ANTIOQUIA)
3377	Sep 16 2016	23:39:57.6	10.20	-73.22	98	2.3	0.3	146	11	SAN DIEGO (CESAR)
3378	Sep 16 2016	23:45: 9.6	7.20	-76.28	Sup	1.7	0.3	254	9	MUTATA (ANTIOQUIA)
3379	Sep 17 2016	00:27:14.5	6.90	-76.21	50	1.4	0.4	194	14	URAMITA (ANTIOQUIA)
3380	Sep 17 2016	00:55:15.3	7.23	-76.27	Sup	2.4	0.6	148	16	MUTATA (ANTIOQUIA)
3381	Sep 17 2016	00:55:56.7	7.24	-76.40	Sup	2.3	0.5	153	16	MUTATA (ANTIOQUIA)
3382	Sep 17 2016	01:28: 9.3	7.18	-76.30	Sup	1.1	0.6	262	9	MUTATA (ANTIOQUIA)
3383	Sep 17 2016	01:48: 6.1	5.56	-77.81	30	2.4	0.6	189	29	O. PACIFICO NORTE
3384	Sep 17 2016	01:56:39.5	6.07	-74.22	Sup	1.3	0.4	173	10	LA BELLEZA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3385	Sep 17 2016	02:04:49.5	6.79	-73.15	145	1.7	0.3	136	16	LOS SANTOS (SANTANDER)
3386	Sep 17 2016	02:11:23.2	7.19	-76.22	Sup	2.7	0.8	87	44	DABEIBA (ANTIOQUIA)
3387	Sep 17 2016	02:23: 6.8	7.18	-76.24	Sup	1.7	0.6	241	8	DABEIBA (ANTIOQUIA)
3388	Sep 17 2016	02:55:11.7	7.19	-76.26	Sup	1.6	0.5	244	16	MUTATA (ANTIOQUIA)
3389	Sep 17 2016	02:58:22.4	4.07	-76.24	Sup	1.7	0.6	90	22	TULUA (VALLE)
3390	Sep 17 2016	03:43:10.2	6.82	-73.10	142	2.2	0.6	140	29	LOS SANTOS (SANTANDER)
3391	Sep 17 2016	05:36: 0.4	6.80	-73.18	145	1.6	0.4	132	14	ZAPATOCA (SANTANDER)
3392	Sep 17 2016	06:24: 6.2	6.78	-73.12	140	1.7	0.5	140	18	LOS SANTOS (SANTANDER)
3393	Sep 17 2016	06:33:59.3	6.79	-73.11	153	1.9	0.4	141	17	LOS SANTOS (SANTANDER)
3394	Sep 17 2016	06:48:49.2	6.78	-73.13	146	1.6	0.4	139	17	LOS SANTOS (SANTANDER)
3395	Sep 17 2016	07:40:36.3	7.20	-76.25	Sup	1.5	0.4	243	10	MUTATA (ANTIOQUIA)
3396	Sep 17 2016	07:47:23.9	7.18	-76.23	Sup	1.1	0.5	239	8	DABEIBA (ANTIOQUIA)
3397	Sep 17 2016	08:01:59.2	7.21	-73.33	121	1.5	0.1	107	9	LEBRIJA (SANTANDER)
3398	Sep 17 2016	08:20:53.0	7.26	-76.36	Sup	2.6	0.6	52	54	MUTATA (ANTIOQUIA)
3399	Sep 17 2016	08:32: 8.9	7.21	-76.27	Sup	1.4	0.5	245	12	MUTATA (ANTIOQUIA)
3400	Sep 17 2016	08:38:10.9	6.83	-76.36	Sup	1.3	0.6	241	12	DABEIBA (ANTIOQUIA)
3401	Sep 17 2016	08:45: 3.3	6.50	-73.80	86	1.4	0.5	116	12	CIMITARRA (SANTANDER)
3402	Sep 17 2016	09:41:40.3	6.69	-73.04	139	1.7	0.3	196	11	ARATOCA (SANTANDER)
3403	Sep 17 2016	12:06:45.6	6.83	-73.30	124	1.7	0.3	210	10	ZAPATOCA (SANTANDER)
3404	Sep 17 2016	12:46: 7.5	4.98	-76.04	110	1.9	0.3	111	12	LA CELIA (RISARALDA)
3405	Sep 17 2016	12:50:25.0	7.20	-76.26	Sup	1.7	0.4	244	12	MUTATA (ANTIOQUIA)
3406	Sep 17 2016	13:41:51.5	7.19	-76.28	Sup	2.5	0.4	145	26	MUTATA (ANTIOQUIA)
3407	Sep 17 2016	14:04: 4.1	6.11	-73.71	103	1.5	0.4	109	12	CHIPATA (SANTANDER)
3408	Sep 17 2016	14:30:43.7	6.79	-73.17	138	2.0	0.4	133	18	LOS SANTOS (SANTANDER)
3409	Sep 17 2016	15:54:46.1	7.19	-76.24	Sup	1.7	0.5	242	10	DABEIBA (ANTIOQUIA)
3410	Sep 17 2016	15:56:40.0	6.77	-73.16	142	2.1	0.4	135	17	LOS SANTOS (SANTANDER)
3411	Sep 17 2016	16:47: 5.6	6.84	-73.21	137	1.4	0.1	126	8	ZAPATOCA (SANTANDER)
3412	Sep 17 2016	17:28:44.1	5.23	-74.76	31	1.8	0.7	101	22	HONDA (TOLIMA)
3413	Sep 17 2016	17:39: 0.6	6.73	-73.13	132	1.4	0.4	141	7	JORDAN (SANTANDER)
3414	Sep 17 2016	18:12:53.9	6.80	-73.14	143	3.0	0.5	71	38	LOS SANTOS (SANTANDER)
3415	Sep 17 2016	18:20:46.0	6.81	-73.14	147	2.8	0.4	137	34	LOS SANTOS (SANTANDER)
3416	Sep 17 2016	18:51:27.9	7.28	-76.40	Sup	2.3	0.4	158	20	MUTATA (ANTIOQUIA)
3417	Sep 17 2016	20:03:45.6	6.78	-73.14	150	2.1	0.4	119	25	LOS SANTOS (SANTANDER)
3418	Sep 17 2016	20:50:16.1	3.78	-76.17	102	2.6	0.4	108	39	GINEBRA (VALLE)
3419	Sep 17 2016	21:25:16.5	6.70	-73.10	146	1.6	0.1	145	7	JORDAN (SANTANDER)
3420	Sep 17 2016	22:03:25.1	6.80	-73.13	150	1.8	0.4	138	15	LOS SANTOS (SANTANDER)
3421	Sep 17 2016	22:32:22.9	7.16	-76.24	Sup	2.4	0.3	141	22	DABEIBA (ANTIOQUIA)
3422	Sep 17 2016	23:04:57.2	7.25	-76.32	Sup	2.5	0.6	191	31	MUTATA (ANTIOQUIA)
3423	Sep 17 2016	23:31:17.8	7.20	-76.24	Sup	1.4	0.6	242	10	MUTATA (ANTIOQUIA)
3424	Sep 17 2016	23:43:10.1	6.79	-73.16	144	1.4	0.5	135	10	LOS SANTOS (SANTANDER)
3425	Sep 18 2016	01:22:11.7	6.21	-77.57	17	1.7	0.4	211	12	O. PACIFICO NORTE
3426	Sep 18 2016	01:26:58.0	7.17	-77.81	14	3.0	0.8	145	55	JURADO (CHOCO)
3427	Sep 18 2016	01:45:45.5	2.72	-75.08	Sup	1.4	0.3	197	10	RIVERA (HUILA)
3428	Sep 18 2016	01:46: 6.7	6.74	-73.17	150	1.3	0.4	230	9	LOS SANTOS (SANTANDER)
3429	Sep 18 2016	01:56: 2.4	6.76	-73.18	152	1.8	0.3	231	16	LOS SANTOS (SANTANDER)
3430	Sep 18 2016	02:05:34.3	10.08	-73.16	120	2.0	0.4	150	18	AGUSTIN CODAZZI (CESAR)
3431	Sep 18 2016	02:14:17.4	6.79	-73.10	151	2.2	0.5	123	35	LOS SANTOS (SANTANDER)
3432	Sep 18 2016	02:44:23.9	6.05	-73.79	Sup	1.1	0.1	197	8	EL PENON (SANTANDER)
3433	Sep 18 2016	03:46:32.1	7.20	-76.27	Sup	2.0	0.6	233	26	MUTATA (ANTIOQUIA)
3434	Sep 18 2016	03:49:42.5	6.46	-72.07	Sup	1.5	0.6	131	16	TAME (ARAUCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3435	Sep 18 2016	04:28: 5.7	7.18	-76.26	Sup	2.7	0.5	88	48	MUTATA (ANTIOQUIA)
3436	Sep 18 2016	04:36:46.8	6.82	-73.15	149	2.8	0.4	53	50	LOS SANTOS (SANTANDER)
3437	Sep 18 2016	04:58: 9.8	6.76	-73.10	143	1.5	0.3	143	8	LOS SANTOS (SANTANDER)
3438	Sep 18 2016	06:46:18.0	8.29	-73.55	103	1.6	0.2	148	14	AGUACHICA (CESAR)
3439	Sep 18 2016	06:51:30.9	6.80	-73.14	147	2.0	0.4	137	22	LOS SANTOS (SANTANDER)
3440	Sep 18 2016	06:56:40.5	6.76	-73.12	147	1.7	0.6	141	16	LOS SANTOS (SANTANDER)
3441	Sep 18 2016	06:57:32.0	6.84	-73.14	144	2.4	0.4	69	40	LOS SANTOS (SANTANDER)
3442	Sep 18 2016	07:26:43.9	7.32	-76.19	Sup	1.6	0.5	234	18	MUTATA (ANTIOQUIA)
3443	Sep 18 2016	07:51:26.8	7.18	-76.21	Sup	1.9	0.6	229	20	DABEIBA (ANTIOQUIA)
3444	Sep 18 2016	08:07:51.0	9.48	-72.90	Sup	1.6	0.4	197	8	FRONTERA CON VENEZUELA
3445	Sep 18 2016	08:14:11.3	6.77	-73.13	146	1.6	0.4	140	16	LOS SANTOS (SANTANDER)
3446	Sep 18 2016	08:17:13.1	5.23	-74.68	29	1.0	0.3	132	8	HONDA (TOLIMA)
3447	Sep 18 2016	08:33:27.4	6.76	-73.19	152	1.4	0.4	229	11	ZAPATOCA (SANTANDER)
3448	Sep 18 2016	08:45: 3.4	8.32	-73.28	136	1.9	0.4	176	14	RIO DE ORO (CESAR)
3449	Sep 18 2016	10:28:59.7	6.76	-73.15	139	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
3450	Sep 18 2016	11:30:54.1	6.78	-73.11	147	1.7	0.3	164	8	LOS SANTOS (SANTANDER)
3451	Sep 18 2016	12:27:46.0	8.63	-73.45	109	2.4	0.5	97	26	EL CARMEN (N.SANTANDER)
3452	Sep 18 2016	14:35:46.0	6.81	-73.12	147	3.4	0.5	53	68	LOS SANTOS (SANTANDER)
3453	Sep 18 2016	14:40:20.6	8.70	-73.56	88	1.8	0.5	131	14	PELAYA (CESAR)
3454	Sep 18 2016	16:26: 4.8	6.24	-73.92	92	1.5	0.4	61	24	CIMITARRA (SANTANDER)
3455	Sep 18 2016	16:56:42.1	4.67	-76.10	102	1.6	0.3	123	8	ARGELIA (VALLE)
3456	Sep 18 2016	18:24:18.0	4.33	-75.75	33	2.0	0.2	174	12	BUENAVISTA (QUINDIO)
3457	Sep 18 2016	19:57:17.8	6.78	-73.16	149	1.7	0.4	135	10	LOS SANTOS (SANTANDER)
3458	Sep 18 2016	20:04:41.4	5.20	-73.73	146	1.8	0.2	137	12	CUCUNUBA (CUNDINAMARCA)
3459	Sep 18 2016	20:40:24.2	6.75	-73.13	140	1.8	0.3	140	16	LOS SANTOS (SANTANDER)
3460	Sep 18 2016	21:23:11.7	6.78	-73.13	141	1.4	0.2	138	11	LOS SANTOS (SANTANDER)
3461	Sep 18 2016	21:30:16.1	6.78	-73.11	139	2.1	0.4	141	24	LOS SANTOS (SANTANDER)
3462	Sep 18 2016	22:23:44.0	1.94	-75.91	15	1.5	0.1	141	8	TIMANA (HUILA)
3463	Sep 18 2016	23:17: 6.6	6.76	-73.11	141	1.5	0.2	142	14	LOS SANTOS (SANTANDER)
3464	Sep 18 2016	23:34:38.9	5.87	-74.13	11	1.3	0.3	118	10	LA BELLEZA (SANTANDER)
3465	Sep 19 2016	00:01: 4.7	6.78	-73.10	145	1.9	0.4	143	26	LOS SANTOS (SANTANDER)
3466	Sep 19 2016	01:06:30.2	6.89	-75.28	20	1.5	0.3	145	11	ANGOSTURA (ANTIOQUIA)
3467	Sep 19 2016	01:54:22.1	6.79	-73.14	152	1.8	0.4	137	29	LOS SANTOS (SANTANDER)
3468	Sep 19 2016	03:02: 5.7	6.82	-73.14	153	1.9	0.5	135	30	LOS SANTOS (SANTANDER)
3469	Sep 19 2016	03:21:47.0	7.94	-74.78	23	1.3	0.2	183	10	NECHI (ANTIOQUIA)
3470	Sep 19 2016	03:38:24.9	7.15	-76.23	Sup	1.0	0.5	240	8	DABEIBA (ANTIOQUIA)
3471	Sep 19 2016	03:55:44.2	6.81	-73.14	150	1.3	0.4	183	13	LOS SANTOS (SANTANDER)
3472	Sep 19 2016	04:02: 2.8	7.16	-76.30	Sup	1.0	0.5	245	10	MUTATA (ANTIOQUIA)
3473	Sep 19 2016	04:07:57.9	7.19	-76.30	9	1.1	0.5	263	10	MUTATA (ANTIOQUIA)
3474	Sep 19 2016	04:23: 7.0	10.89	-73.59	70	1.6	0.3	129	12	PUEBLO BELLO (CESAR)
3475	Sep 19 2016	04:28:39.2	6.75	-73.20	152	1.4	0.3	177	12	VILLANUEVA (SANTANDER)
3476	Sep 19 2016	04:36:37.4	6.80	-73.12	148	2.1	0.6	67	37	LOS SANTOS (SANTANDER)
3477	Sep 19 2016	04:42:45.9	7.18	-76.22	Sup	1.2	0.4	235	12	DABEIBA (ANTIOQUIA)
3478	Sep 19 2016	05:28: 5.2	6.78	-73.11	150	1.6	0.4	186	18	LOS SANTOS (SANTANDER)
3479	Sep 19 2016	05:32:25.5	1.29	-78.71	105	1.8	0.5	110	18	FRONTERA CON ECUADOR
3480	Sep 19 2016	05:47:20.3	6.83	-73.09	145	1.6	0.4	188	18	LOS SANTOS (SANTANDER)
3481	Sep 19 2016	06:12:23.8	6.75	-73.24	150	1.2	0.1	270	6	ZAPATOCA (SANTANDER)
3482	Sep 19 2016	06:29:55.3	6.75	-73.19	161	1.3	0.4	274	7	VILLANUEVA (SANTANDER)
3483	Sep 19 2016	06:35:28.1	5.23	-73.80	144	1.3	0.5	154	11	CUCUNUBA (CUNDINAMARCA)
3484	Sep 19 2016	07:21:57.3	2.57	-75.34	27	1.1	0.3	264	6	ALGECIRAS (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3485	Sep 19 2016	07:50:55.4	7.21	-76.29	Sup	1.6	0.4	246	13	MUTATA (ANTIOQUIA)
3486	Sep 19 2016	08:33:39.9	6.49	-75.66	Sup	1.3	0.6	190	10	SAN JERONIMO (ANTIOQUIA)
3487	Sep 19 2016	08:49:56.0	6.76	-72.89	Sup	1.4	0.5	259	12	SAN ANDRES (SANTANDER)
3488	Sep 19 2016	09:17: 7.6	7.79	-75.22	25	1.8	0.3	175	18	CAUCASIA (ANTIOQUIA)
3489	Sep 19 2016	09:23:17.0	6.75	-73.12	147	1.6	0.3	236	12	LOS SANTOS (SANTANDER)
3490	Sep 19 2016	10:35:26.2	7.00	-73.13	158	1.4	0.3	194	8	GIRON (SANTANDER)
3491	Sep 19 2016	10:41:35.0	6.75	-73.16	150	1.5	0.3	232	11	LOS SANTOS (SANTANDER)
3492	Sep 19 2016	10:55:36.1	6.64	-73.14	145	1.4	0.2	268	8	VILLANUEVA (SANTANDER)
3493	Sep 19 2016	11:14:47.2	6.63	-74.66	Sup	1.3	0.4	209	12	MACEO (ANTIOQUIA)
3494	Sep 19 2016	12:41: 3.9	6.82	-73.12	146	3.0	0.6	53	64	LOS SANTOS (SANTANDER)
3495	Sep 19 2016	13:17:21.0	6.81	-73.09	148	2.7	0.4	122	44	LOS SANTOS (SANTANDER)
3496	Sep 19 2016	13:25: 4.4	6.95	-74.85	32	1.7	0.2	136	8	REMEDIOS (ANTIOQUIA)
3497	Sep 19 2016	14:14:17.7	6.28	-73.58	117	1.3	0.2	234	7	SANTA HELENA DEL OPO (SANTANDER)
3498	Sep 19 2016	15:10:32.4	6.83	-73.12	152	3.2	0.5	67	68	LOS SANTOS (SANTANDER)
3499	Sep 19 2016	16:53:19.8	5.25	-74.48	28	1.3	0.1	139	8	UTICA (CUNDINAMARCA)
3500	Sep 19 2016	17:35: 9.0	6.84	-73.13	142	2.6	0.6	70	46	LOS SANTOS (SANTANDER)
3501	Sep 19 2016	19:23:43.5	6.77	-73.14	146	1.8	0.3	138	20	LOS SANTOS (SANTANDER)
3502	Sep 19 2016	19:51: 3.0	7.18	-76.23	Sup	1.4	0.2	266	7	DABEIBA (ANTIOQUIA)
3503	Sep 19 2016	20:17:42.1	7.90	-74.87	27	3.7	0.5	95	0	NECHI (ANTIOQUIA)
3504	Sep 19 2016	20:17:42.1	7.90	-74.87	27	3.7	0.5	95	47	NECHI (ANTIOQUIA)
3505	Sep 19 2016	20:41:34.1	7.20	-74.12	Sup	1.8	0.3	153	12	PUERTO WILCHES (SANTANDER)
3506	Sep 19 2016	20:54:10.3	6.79	-73.12	148	2.4	0.3	139	21	LOS SANTOS (SANTANDER)
3507	Sep 19 2016	21:53: 0.2	6.81	-73.21	134	1.8	0.5	128	11	ZAPATOCA (SANTANDER)
3508	Sep 19 2016	21:56:15.0	11.11	-73.88	16	1.6	0.5	154	8	PUEBLO BELLO (CESAR)
3509	Sep 19 2016	22:21:59.6	6.74	-73.15	138	1.4	0.5	137	11	LOS SANTOS (SANTANDER)
3510	Sep 19 2016	22:34:36.8	5.28	-73.73	144	1.9	0.4	132	15	LENGUAZQUE (CUNDINAMARCA)
3511	Sep 19 2016	22:43:22.5	6.76	-73.13	146	1.8	0.5	139	18	LOS SANTOS (SANTANDER)
3512	Sep 19 2016	23:27:41.6	6.81	-73.14	146	3.2	0.4	70	44	LOS SANTOS (SANTANDER)
3513	Sep 20 2016	00:29:35.7	7.83	-73.62	90	1.5	0.5	143	10	SAN MARTIN (CESAR)
3514	Sep 20 2016	00:31: 7.9	6.54	-73.52	108	1.6	0.4	71	19	EL CARMEN (SANTANDER)
3515	Sep 20 2016	00:44:25.4	7.17	-76.27	Sup	1.3	0.4	253	8	DABEIBA (ANTIOQUIA)
3516	Sep 20 2016	00:47:37.8	6.78	-73.15	145	1.6	0.2	136	14	LOS SANTOS (SANTANDER)
3517	Sep 20 2016	00:53: 9.7	7.19	-73.39	118	1.6	0.4	83	14	LEBRIJA (SANTANDER)
3518	Sep 20 2016	01:21:50.0	5.40	-73.76	134	1.4	0.3	123	14	FUQUENE (CUNDINAMARCA)
3519	Sep 20 2016	02:26:43.0	6.78	-73.11	146	2.1	0.4	123	28	LOS SANTOS (SANTANDER)
3520	Sep 20 2016	02:29: 1.7	6.82	-75.25	19	1.2	0.4	125	14	GUADALUPE (ANTIOQUIA)
3521	Sep 20 2016	02:56:31.6	2.68	-76.65	101	1.2	0.1	162	11	MORALES (CAUCA)
3522	Sep 20 2016	03:01:10.4	6.01	-74.26	21	1.5	0.3	72	22	PUERTO BOYACA (BOYACA)
3523	Sep 20 2016	03:12:55.8	6.77	-73.08	150	2.5	0.5	125	48	LOS SANTOS (SANTANDER)
3524	Sep 20 2016	03:18:42.4	7.18	-76.28	Sup	1.5	0.3	244	10	MUTATA (ANTIOQUIA)
3525	Sep 20 2016	03:28:45.5	6.80	-73.10	146	2.1	0.6	122	30	LOS SANTOS (SANTANDER)
3526	Sep 20 2016	03:38:28.8	6.76	-73.11	137	1.6	0.4	209	15	LOS SANTOS (SANTANDER)
3527	Sep 20 2016	04:16:26.2	7.20	-76.27	Sup	1.5	0.3	245	18	MUTATA (ANTIOQUIA)
3528	Sep 20 2016	04:46: 3.1	5.59	-74.28	40	1.1	0.3	101	15	LA VICTORIA (BOYACA)
3529	Sep 20 2016	04:58:18.7	6.83	-73.08	155	1.4	0.2	267	10	LOS SANTOS (SANTANDER)
3530	Sep 20 2016	06:09:24.2	7.14	-76.29	Sup	1.7	0.6	244	22	DABEIBA (ANTIOQUIA)
3531	Sep 20 2016	06:28:51.5	7.20	-76.24	Sup	1.2	0.5	242	10	MUTATA (ANTIOQUIA)
3532	Sep 20 2016	07:02:52.6	6.78	-73.13	152	1.3	0.4	237	11	LOS SANTOS (SANTANDER)
3533	Sep 20 2016	07:08:58.8	6.81	-73.18	150	1.2	0.4	242	10	ZAPATOCA (SANTANDER)
3534	Sep 20 2016	07:23:33.4	6.81	-73.16	148	2.1	0.3	134	20	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3535	Sep 20 2016	07:47:37.6	6.74	-73.12	144	1.9	0.5	165	24	LOS SANTOS (SANTANDER)
3536	Sep 20 2016	07:48:39.9	6.80	-73.14	148	1.9	0.5	65	30	LOS SANTOS (SANTANDER)
3537	Sep 20 2016	07:55:20.9	6.80	-73.13	148	1.9	0.4	120	24	LOS SANTOS (SANTANDER)
3538	Sep 20 2016	08:47:29.7	5.49	-74.72	21	0.8	0.3	233	8	LA DORADA (CALDAS)
3539	Sep 20 2016	09:51:21.1	7.19	-76.28	Sup	1.4	0.4	255	8	MUTATA (ANTIOQUIA)
3540	Sep 20 2016	10:36:34.7	6.74	-73.12	145	1.3	0.2	235	11	LOS SANTOS (SANTANDER)
3541	Sep 20 2016	10:44:55.9	7.32	-73.26	124	1.2	0.1	258	8	RIONEGRO (SANTANDER)
3542	Sep 20 2016	11:29:52.3	7.16	-76.25	Sup	1.2	0.1	248	7	DABEIBA (ANTIOQUIA)
3543	Sep 20 2016	11:32:13.1	6.86	-73.28	121	1.7	0.2	99	16	BETULIA (SANTANDER)
3544	Sep 20 2016	11:40:28.7	6.11	-73.83	32	1.0	0.1	100	10	EL PENON (SANTANDER)
3545	Sep 20 2016	11:46:45.5	6.43	-73.57	113	1.5	0.1	209	8	SANTA HELENA DEL OPO (SANTANDER)
3546	Sep 20 2016	11:47:41.6	6.72	-73.11	145	1.3	0.2	236	10	JORDAN (SANTANDER)
3547	Sep 20 2016	12:01:51.3	6.66	-73.15	156	1.2	0.1	226	8	VILLANUEVA (SANTANDER)
3548	Sep 20 2016	12:16:39.4	9.85	-73.66	11	1.4	0.2	164	8	EL PASO (CESAR)
3549	Sep 20 2016	13:40:11.6	6.74	-73.16	144	1.6	0.1	231	12	LOS SANTOS (SANTANDER)
3550	Sep 20 2016	14:10:32.0	5.10	-74.73	Sup	0.8	0.5	199	8	HONDA (TOLIMA)
3551	Sep 20 2016	14:14:35.8	6.80	-73.09	149	1.7	0.3	143	16	LOS SANTOS (SANTANDER)
3552	Sep 20 2016	15:27: 4.2	6.84	-73.16	157	1.2	0.3	244	8	LOS SANTOS (SANTANDER)
3553	Sep 20 2016	15:42:26.6	7.17	-76.22	Sup	1.7	0.3	236	14	DABEIBA (ANTIOQUIA)
3554	Sep 20 2016	16:03: 4.7	5.66	-74.00	115	1.5	0.4	182	12	PAUNA (BOYACA)
3555	Sep 20 2016	17:25:16.2	6.77	-73.14	141	1.7	0.5	138	15	LOS SANTOS (SANTANDER)
3556	Sep 20 2016	18:34:59.7	6.77	-73.13	139	1.5	0.2	138	10	LOS SANTOS (SANTANDER)
3557	Sep 20 2016	19:27:56.3	6.84	-73.13	143	2.9	0.5	70	48	LOS SANTOS (SANTANDER)
3558	Sep 20 2016	20:22:48.5	6.78	-73.19	138	1.5	0.2	240	8	ZAPATOCA (SANTANDER)
3559	Sep 20 2016	20:33:36.4	6.06	-74.17	9	1.7	0.7	88	17	LA BELLEZA (SANTANDER)
3560	Sep 20 2016	21:11:16.4	7.18	-76.27	Sup	1.8	0.3	253	8	MUTATA (ANTIOQUIA)
3561	Sep 20 2016	21:19:58.4	7.16	-76.27	14	1.6	0.3	257	7	DABEIBA (ANTIOQUIA)
3562	Sep 20 2016	21:24:53.2	3.43	-75.64	16	2.0	0.3	215	10	RIOBLANCO (TOLIMA)
3563	Sep 20 2016	23:26: 9.7	6.80	-73.15	147	2.3	0.5	135	16	LOS SANTOS (SANTANDER)
3564	Sep 20 2016	23:35:27.7	7.15	-76.19	Sup	1.9	0.5	221	14	DABEIBA (ANTIOQUIA)
3565	Sep 21 2016	02:47:55.4	6.28	-76.15	Sup	1.7	0.6	170	17	URRAO (ANTIOQUIA)
3566	Sep 21 2016	03:12:10.6	6.49	-76.78	26	1.4	0.3	161	10	VIGIA DEL FUERTE (ANTIOQUIA)
3567	Sep 21 2016	03:24:28.6	6.75	-73.17	147	1.2	0.2	231	8	LOS SANTOS (SANTANDER)
3568	Sep 21 2016	03:41:28.8	6.15	-73.47	126	1.4	0.2	146	8	SAN BENITO (SANTANDER)
3569	Sep 21 2016	03:58:33.2	2.03	-75.90	Sup	2.0	0.3	91	19	ELIAS (HUILA)
3570	Sep 21 2016	04:29:58.2	6.80	-73.15	152	1.2	0.3	237	10	LOS SANTOS (SANTANDER)
3571	Sep 21 2016	04:38: 7.5	3.91	-77.06	Sup	1.6	0.5	109	8	BUENAVENTURA (VALLE)
3572	Sep 21 2016	04:44:10.1	7.74	-76.95	Sup	2.3	0.5	153	38	CHIGORODO (ANTIOQUIA)
3573	Sep 21 2016	05:24:43.6	7.13	-77.19	24	2.2	0.8	158	26	RIOSUCIO (CHOCO)
3574	Sep 21 2016	05:40:16.9	5.83	-74.20	23	1.4	0.2	122	10	OTANCHE (BOYACA)
3575	Sep 21 2016	06:39:47.0	7.26	-76.27	Sup	3.1	0.6	85	64	MUTATA (ANTIOQUIA)
3576	Sep 21 2016	06:44:28.0	7.19	-76.22	Sup	2.8	0.6	143	42	DABEIBA (ANTIOQUIA)
3577	Sep 21 2016	06:46:26.9	7.19	-76.27	Sup	2.2	0.5	145	23	MUTATA (ANTIOQUIA)
3578	Sep 21 2016	06:48:51.1	7.17	-76.21	Sup	1.9	0.4	232	20	DABEIBA (ANTIOQUIA)
3579	Sep 21 2016	06:56:59.2	7.14	-76.20	Sup	2.2	0.4	224	10	DABEIBA (ANTIOQUIA)
3580	Sep 21 2016	06:57:31.7	5.29	-76.31	87	2.1	0.5	213	18	BAGADO (CHOCO)
3581	Sep 21 2016	07:03:14.6	7.16	-76.22	Sup	1.7	0.3	237	14	DABEIBA (ANTIOQUIA)
3582	Sep 21 2016	07:15:26.1	7.16	-76.22	Sup	1.7	0.4	235	17	DABEIBA (ANTIOQUIA)
3583	Sep 21 2016	07:16:31.2	7.17	-76.20	Sup	1.6	0.7	226	12	DABEIBA (ANTIOQUIA)
3584	Sep 21 2016	07:19: 3.0	7.20	-76.23	Sup	2.0	0.5	240	20	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3585	Sep 21 2016	07:51:41.5	6.81	-73.14	144	2.2	0.5	183	30	LOS SANTOS (SANTANDER)
3586	Sep 21 2016	08:19:32.9	7.18	-76.26	Sup	2.4	0.5	143	27	DABEIBA (ANTIOQUIA)
3587	Sep 21 2016	08:20: 2.7	7.22	-76.42	14	2.5	0.2	284	5	MUTATA (ANTIOQUIA)
3588	Sep 21 2016	08:33:27.0	7.15	-76.21	Sup	1.7	0.7	231	13	DABEIBA (ANTIOQUIA)
3589	Sep 21 2016	09:26:44.3	2.31	-75.76	Sup	1.6	0.3	115	10	AGRADO (HUILA)
3590	Sep 21 2016	09:56:15.8	5.42	-76.05	53	1.3	0.4	162	14	PUEBLO RICO (RISARALDA)
3591	Sep 21 2016	11:34:48.2	6.80	-73.10	141	1.7	0.3	142	21	LOS SANTOS (SANTANDER)
3592	Sep 21 2016	14:21:48.9	2.21	-75.62	9	1.3	0.3	120	12	GARZON (HUILA)
3593	Sep 21 2016	14:35:53.5	7.17	-76.25	Sup	1.5	0.2	246	8	DABEIBA (ANTIOQUIA)
3594	Sep 21 2016	15:53:21.5	5.28	-73.73	150	1.7	0.1	157	13	LENGUAZQUE (CUNDINAMARCA)
3595	Sep 21 2016	16:28:20.9	6.80	-73.15	142	1.9	0.4	135	23	LOS SANTOS (SANTANDER)
3596	Sep 21 2016	17:00:10.5	6.78	-73.09	162	1.6	0.4	168	14	LOS SANTOS (SANTANDER)
3597	Sep 21 2016	17:50:41.1	4.13	-75.91	140	1.8	0.2	195	10	SEVILLA (VALLE)
3598	Sep 21 2016	17:59:26.7	6.74	-73.19	151	2.1	0.3	158	15	VILLANUEVA (SANTANDER)
3599	Sep 21 2016	18:06: 7.6	6.73	-73.15	150	1.6	0.4	231	12	LOS SANTOS (SANTANDER)
3600	Sep 21 2016	18:10:42.6	6.77	-73.13	148	1.9	0.4	139	12	LOS SANTOS (SANTANDER)
3601	Sep 21 2016	18:53:41.1	7.36	-73.12	6	1.7	0.4	106	14	RIONEGRO (SANTANDER)
3602	Sep 21 2016	19:41:32.8	6.77	-73.07	144	2.1	0.4	104	25	LOS SANTOS (SANTANDER)
3603	Sep 21 2016	19:52:30.3	5.80	-73.11	Sup	1.8	0.7	131	20	PAIPA (BOYACA)
3604	Sep 21 2016	20:29:57.2	7.17	-76.23	Sup	1.8	0.2	241	8	DABEIBA (ANTIOQUIA)
3605	Sep 21 2016	22:41:40.8	6.79	-73.14	145	1.7	0.5	137	12	LOS SANTOS (SANTANDER)
3606	Sep 22 2016	00:17: 1.4	6.80	-73.15	153	1.4	0.2	237	8	LOS SANTOS (SANTANDER)
3607	Sep 22 2016	00:41: 0.9	7.21	-76.30	Sup	1.6	0.2	247	10	MUTATA (ANTIOQUIA)
3608	Sep 22 2016	01:01:57.1	10.74	-72.23	9	2.0	0.2	212	8	FRONTERA CON VENEZUELA
3609	Sep 22 2016	01:04:43.6	7.38	-76.14	Sup	1.3	0.6	256	9	MUTATA (ANTIOQUIA)
3610	Sep 22 2016	01:17:55.0	6.79	-73.09	149	1.3	0.2	143	10	LOS SANTOS (SANTANDER)
3611	Sep 22 2016	02:07:38.9	6.80	-73.14	148	1.5	0.4	137	13	LOS SANTOS (SANTANDER)
3612	Sep 22 2016	02:17:44.0	10.65	-76.26	16	2.9	1.2	252	38	MAR CARIBE
3613	Sep 22 2016	03:36:25.4	2.37	-75.65	Sup	1.5	0.4	120	13	GIGANTE (HUILA)
3614	Sep 22 2016	03:44:43.9	5.78	-73.10	Sup	1.3	0.7	134	18	PAIPA (BOYACA)
3615	Sep 22 2016	03:56:48.2	5.95	-73.76	113	3.5	0.5	42	0	BOLIVAR (SANTANDER)
<u>3616</u>	<u>Sep 22 2016</u>	<u>03:56:48.2</u>	<u>5.95</u>	<u>-73.76</u>	<u>113</u>	<u>3.5</u>	<u>0.5</u>	<u>42</u>	<u>88</u>	<u>BOLIVAR (SANTANDER)</u>
3617	Sep 22 2016	04:32:52.7	6.81	-73.10	151	4.1	0.6	53	0	LOS SANTOS (SANTANDER)
<u>3618</u>	<u>Sep 22 2016</u>	<u>04:32:52.7</u>	<u>6.81</u>	<u>-73.10</u>	<u>151</u>	<u>4.1</u>	<u>0.6</u>	<u>53</u>	<u>106</u>	<u>LOS SANTOS (SANTANDER)</u>
3619	Sep 22 2016	04:47:23.3	6.81	-73.14	149	1.7	0.4	150	13	LOS SANTOS (SANTANDER)
3620	Sep 22 2016	05:03:30.7	2.48	-75.29	26	1.0	0.3	263	8	ALGECIRAS (HUILA)
3621	Sep 22 2016	05:22:52.1	6.84	-73.12	146	2.4	0.5	71	54	LOS SANTOS (SANTANDER)
3622	Sep 22 2016	05:32:13.3	7.16	-76.18	Sup	1.9	0.5	216	24	DABEIBA (ANTIOQUIA)
3623	Sep 22 2016	06:23:13.8	6.80	-73.14	146	1.9	0.5	136	22	LOS SANTOS (SANTANDER)
3624	Sep 22 2016	07:58:59.6	5.61	-73.57	157	1.9	0.2	159	20	SACHICA (BOYACA)
3625	Sep 22 2016	08:14: 2.0	9.17	-77.92	40	2.6	0.6	151	22	FRONTERA CON PANAMA (CARIBE)
3626	Sep 22 2016	08:32: 2.8	6.79	-73.12	145	1.4	0.3	245	8	LOS SANTOS (SANTANDER)
3627	Sep 22 2016	09:03:51.5	5.09	-76.21	96	1.3	0.4	174	10	SAN JOSE DEL PALMAR (CHOCO)
3628	Sep 22 2016	09:38:15.6	4.39	-73.79	Sup	1.5	0.6	166	13	QUETAME (CUNDINAMARCA)
3629	Sep 22 2016	09:53:10.0	6.79	-73.14	138	1.8	0.5	137	16	LOS SANTOS (SANTANDER)
3630	Sep 22 2016	10:11: 1.2	6.80	-73.15	141	1.4	0.3	136	15	LOS SANTOS (SANTANDER)
3631	Sep 22 2016	10:14: 4.9	6.73	-73.21	137	1.5	0.3	128	17	VILLANUEVA (SANTANDER)
3632	Sep 22 2016	10:17:37.5	7.47	-74.04	17	0.8	0.3	185	8	SAN PABLO (BOLIVAR)
3633	Sep 22 2016	10:32:41.0	7.17	-76.22	Sup	0.9	0.1	235	8	DABEIBA (ANTIOQUIA)
3634	Sep 22 2016	10:42:17.6	6.83	-72.97	163	4.9	2.8	54	0	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3635	Sep 22 2016	10:42:17.6	6.83	-72.97	163	4.9	2.8	54	126	LOS SANTOS (SANTANDER)
3636	Sep 22 2016	12:37: 1.5	6.75	-73.21	150	1.3	0.1	224	10	VILLANUEVA (SANTANDER)
3637	Sep 22 2016	13:45:45.0	6.60	-73.52	104	2.1	0.4	69	22	EL CARMEN (SANTANDER)
3638	Sep 22 2016	13:58:33.1	7.17	-76.27	Sup	1.8	0.4	244	22	MUTATA (ANTIOQUIA)
3639	Sep 22 2016	14:22:44.0	6.72	-73.09	156	1.7	0.3	146	21	JORDAN (SANTANDER)
3640	Sep 22 2016	14:43:39.0	6.68	-73.21	159	1.3	0.2	213	10	VILLANUEVA (SANTANDER)
3641	Sep 22 2016	14:56:20.8	6.78	-73.12	144	2.1	0.4	140	32	LOS SANTOS (SANTANDER)
3642	Sep 22 2016	15:17:46.9	6.88	-76.64	Sup	2.2	0.5	264	18	MURINDO (ANTIOQUIA)
3643	Sep 22 2016	15:21:51.1	6.79	-73.14	145	2.3	0.4	137	24	LOS SANTOS (SANTANDER)
3644	Sep 22 2016	16:59:11.2	6.79	-73.15	147	2.4	0.4	136	20	LOS SANTOS (SANTANDER)
3645	Sep 22 2016	17:00:45.9	6.83	-73.19	135	1.8	0.4	129	13	ZAPATOCA (SANTANDER)
3646	Sep 22 2016	17:45:45.3	6.82	-73.17	146	1.4	0.1	277	8	ZAPATOCA (SANTANDER)
3647	Sep 22 2016	18:25:33.9	5.95	-73.78	106	1.8	0.4	128	15	BOLIVAR (SANTANDER)
3648	Sep 22 2016	19:16: 6.3	6.71	-73.14	144	1.5	0.3	140	10	VILLANUEVA (SANTANDER)
3649	Sep 22 2016	20:01:55.0	0.87	-77.11	Sup	3.3	0.6	161	33	ORITO (PUTUMAYO)
3650	Sep 22 2016	20:31:22.3	7.18	-76.22	Sup	1.9	0.4	256	16	DABEIBA (ANTIOQUIA)
3651	Sep 22 2016	22:21: 4.2	7.17	-76.26	Sup	1.6	0.5	277	8	DABEIBA (ANTIOQUIA)
3652	Sep 22 2016	23:40:34.9	6.77	-73.15	147	1.5	0.3	137	15	LOS SANTOS (SANTANDER)
3653	Sep 22 2016	23:49: 1.8	5.23	-76.56	41	1.5	0.3	231	11	TADO (CHOCO)
3654	Sep 22 2016	23:59:21.9	6.81	-73.16	142	2.5	0.3	118	31	LOS SANTOS (SANTANDER)
3655	Sep 23 2016	00:45:18.6	6.78	-73.02	147	1.8	0.4	248	20	CEPITA (SANTANDER)
3656	Sep 23 2016	00:58:50.0	6.79	-73.14	146	2.4	0.4	66	41	LOS SANTOS (SANTANDER)
3657	Sep 23 2016	01:47:57.0	6.83	-73.12	146	1.5	0.3	247	16	LOS SANTOS (SANTANDER)
3658	Sep 23 2016	02:10:56.7	7.50	-77.49	69	1.9	0.1	288	9	RIOSUCIO (CHOCO)
3659	Sep 23 2016	03:13: 9.0	6.97	-72.91	182	1.5	0.3	207	15	SANTA BARBARA (SANTANDER)
3660	Sep 23 2016	03:59:18.7	6.79	-73.12	150	2.5	0.5	67	52	LOS SANTOS (SANTANDER)
3661	Sep 23 2016	04:09:40.4	7.39	-73.17	128	1.5	0.4	186	9	EL PLAYON (SANTANDER)
3662	Sep 23 2016	04:10:44.5	1.00	-77.12	Sup	1.0	0.3	260	11	SANTIAGO (PUTUMAYO)
3663	Sep 23 2016	05:41: 3.5	3.68	-77.01	Sup	0.8	0.2	152	7	BUENAVENTURA (VALLE)
3664	Sep 23 2016	05:53:13.9	3.37	-74.71	8	2.0	0.7	91	37	COLOMBIA (HUILA)
3665	Sep 23 2016	06:44:55.3	5.26	-73.78	146	1.2	0.4	127	11	CUCUNUBA (CUNDINAMARCA)
3666	Sep 23 2016	06:57:23.2	6.82	-73.15	150	2.4	0.5	70	51	LOS SANTOS (SANTANDER)
3667	Sep 23 2016	07:12:52.3	6.76	-73.14	154	1.0	0.2	183	13	LOS SANTOS (SANTANDER)
3668	Sep 23 2016	07:38:34.9	6.83	-73.10	145	1.8	0.4	122	34	LOS SANTOS (SANTANDER)
3669	Sep 23 2016	07:54:53.3	4.92	-76.51	77	1.3	0.4	218	12	NOVITA (CHOCO)
3670	Sep 23 2016	07:54:57.2	6.78	-73.14	143	1.5	0.4	137	15	LOS SANTOS (SANTANDER)
3671	Sep 23 2016	07:56:10.4	6.67	-73.18	146	1.1	0.3	223	9	VILLANUEVA (SANTANDER)
3672	Sep 23 2016	08:19:52.1	6.81	-73.13	147	1.5	0.5	138	22	LOS SANTOS (SANTANDER)
3673	Sep 23 2016	09:14:31.4	7.96	-73.54	99	1.2	0.5	126	14	SAN MARTIN (CESAR)
3674	Sep 23 2016	09:38:45.5	6.88	-73.05	143	1.2	0.2	274	10	PIEDRECUESTA (SANTANDER)
3675	Sep 23 2016	10:10:28.8	6.87	-76.36	11	1.3	0.4	304	8	DABEIBA (ANTIOQUIA)
3676	Sep 23 2016	10:24: 2.2	6.80	-73.12	142	2.0	0.5	120	26	LOS SANTOS (SANTANDER)
3677	Sep 23 2016	11:54:55.8	6.79	-73.16	149	1.9	0.5	234	9	LOS SANTOS (SANTANDER)
3678	Sep 23 2016	12:10: 5.2	5.15	-74.71	18	1.2	0.5	223	8	HONDA (TOLIMA)
3679	Sep 23 2016	13:26:37.3	7.19	-76.18	Sup	2.2	0.5	223	24	DABEIBA (ANTIOQUIA)
3680	Sep 23 2016	13:50:36.4	6.79	-73.15	134	1.7	0.5	150	12	LOS SANTOS (SANTANDER)
3681	Sep 23 2016	13:57:43.6	6.71	-73.14	139	1.9	0.5	163	8	VILLANUEVA (SANTANDER)
3682	Sep 23 2016	14:17:57.0	6.82	-73.13	146	3.0	0.5	71	0	LOS SANTOS (SANTANDER)
3683	Sep 23 2016	14:17:57.0	6.82	-73.13	146	3.0	0.5	71	50	LOS SANTOS (SANTANDER)
3684	Sep 23 2016	15:19:40.3	5.79	-73.12	Sup	2.2	0.8	124	31	PAIPA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3685	Sep 23 2016	15:32:39.7	5.00	-72.69	Sup	1.8	0.6	162	16	TAURAMENA (CASANARE)
3686	Sep 23 2016	16:47:48.8	5.26	-73.76	146	2.3	0.4	129	24	CUCUNUBA (CUNDINAMARCA)
3687	Sep 23 2016	16:52:28.6	6.38	-73.58	104	1.7	0.4	217	8	SANTA HELENA DEL OPOON (SANTANDER)
3688	Sep 23 2016	16:53:43.5	6.76	-73.16	149	1.7	0.4	146	10	LOS SANTOS (SANTANDER)
3689	Sep 23 2016	17:17:56.1	6.80	-73.15	135	1.9	0.5	147	14	LOS SANTOS (SANTANDER)
3690	Sep 23 2016	18:33:18.3	5.20	-76.49	72	1.5	0.1	276	10	TADO (CHOCO)
3691	Sep 23 2016	19:39: 8.1	6.78	-73.12	148	2.2	0.4	139	25	LOS SANTOS (SANTANDER)
3692	Sep 23 2016	21:23:43.6	5.88	-73.63	128	1.4	0.2	152	8	PUENTE NACIONAL (SANTANDER)
3693	Sep 23 2016	23:04: 3.6	6.76	-73.12	141	2.2	0.5	122	26	LOS SANTOS (SANTANDER)
3694	Sep 24 2016	00:00:58.0	6.79	-76.87	18	2.9	0.4	122	61	VIGIA DEL FUERTE (ANTIOQUIA)
3695	Sep 24 2016	00:16:40.8	11.08	-73.72	Sup	1.8	0.5	151	10	PUEBLO BELLO (CESAR)
3696	Sep 24 2016	00:29:42.6	1.93	-75.97	6	2.6	0.4	106	31	TIMANA (HUILA)
3697	Sep 24 2016	01:48:33.5	11.06	-74.00	9	1.3	0.3	142	8	PUEBLO BELLO (CESAR)
3698	Sep 24 2016	02:11:10.9	6.77	-73.11	139	1.6	0.3	142	18	LOS SANTOS (SANTANDER)
3699	Sep 24 2016	03:05: 0.1	6.77	-73.14	148	2.4	0.4	66	47	LOS SANTOS (SANTANDER)
3700	Sep 24 2016	03:17:12.0	7.18	-76.87	18	1.4	0.3	280	12	MURINDO (ANTIOQUIA)
3701	Sep 24 2016	03:32:57.6	6.81	-73.15	143	1.6	0.4	182	22	LOS SANTOS (SANTANDER)
3702	Sep 24 2016	04:00: 0.2	2.06	-75.87	Sup	1.2	0.4	113	13	TARQUI (HUILA)
3703	Sep 24 2016	04:13:41.5	6.80	-73.10	140	2.4	0.5	68	38	LOS SANTOS (SANTANDER)
3704	Sep 24 2016	04:18:24.2	6.74	-73.20	146	1.2	0.4	226	12	VILLANUEVA (SANTANDER)
3705	Sep 24 2016	04:25:19.1	7.21	-76.19	Sup	0.9	0.2	255	8	DABEIBA (ANTIOQUIA)
3706	Sep 24 2016	04:42:52.6	6.79	-73.15	146	1.6	0.3	236	14	LOS SANTOS (SANTANDER)
3707	Sep 24 2016	04:48:12.5	6.76	-73.14	147	1.6	0.2	235	13	LOS SANTOS (SANTANDER)
3708	Sep 24 2016	04:48:18.2	10.70	-74.03	Sup	1.9	0.4	104	13	ALGARROBO (MAGDALENA)
3709	Sep 24 2016	05:23:41.7	6.85	-73.32	123	1.6	0.6	152	14	BETULIA (SANTANDER)
3710	Sep 24 2016	05:37: 8.1	6.80	-73.14	143	2.8	0.5	71	42	LOS SANTOS (SANTANDER)
3711	Sep 24 2016	05:40:58.2	6.51	-73.47	116	2.1	0.4	88	18	SIMACOTA (SANTANDER)
3712	Sep 24 2016	06:57:16.5	6.76	-73.17	142	1.5	0.4	231	12	LOS SANTOS (SANTANDER)
3713	Sep 24 2016	08:25:47.3	5.66	-76.87	Sup	1.8	0.5	174	14	ALTO BAUDO (CHOCO)
3714	Sep 24 2016	09:04:42.3	7.16	-76.07	Sup	1.7	0.3	211	14	PEQUE (ANTIOQUIA)
3715	Sep 24 2016	09:22: 2.1	10.98	-72.88	84	2.1	0.3	147	7	MANAURE BALCON CESAR (CESAR)
3716	Sep 24 2016	09:25:53.1	6.82	-73.15	144	2.5	0.4	135	31	LOS SANTOS (SANTANDER)
3717	Sep 24 2016	09:41:58.4	5.66	-76.82	Sup	2.0	0.4	169	16	QUIBDO (CHOCO)
3718	Sep 24 2016	09:53:40.8	8.26	-75.61	Sup	2.0	0.4	142	21	BUENAVISTA (CORDOBA)
3719	Sep 24 2016	10:58:20.3	3.95	-76.52	80	1.7	0.3	106	8	CALIMA (VALLE)
3720	Sep 24 2016	11:44:55.0	5.27	-73.70	150	3.4	0.5	65	0	LENGUAZAQUE (CUNDINAMARCA)
3721	Sep 24 2016	11:44:55.0	5.27	-73.70	150	3.4	0.5	65	62	LENGUAZAQUE (CUNDINAMARCA)
3722	Sep 24 2016	11:51: 0.7	6.82	-73.14	145	1.7	0.4	240	11	LOS SANTOS (SANTANDER)
3723	Sep 24 2016	15:54:11.4	6.74	-73.17	144	1.9	0.5	230	14	VILLANUEVA (SANTANDER)
3724	Sep 24 2016	15:59:45.2	6.74	-73.14	148	1.8	0.4	233	12	LOS SANTOS (SANTANDER)
3725	Sep 24 2016	17:31:22.5	6.78	-73.16	144	2.4	0.4	71	27	LOS SANTOS (SANTANDER)
3726	Sep 24 2016	18:19: 9.9	6.76	-73.08	145	1.4	0.2	241	10	LOS SANTOS (SANTANDER)
3727	Sep 24 2016	18:30:30.6	5.92	-73.63	121	1.5	0.3	91	16	BARBOSA (SANTANDER)
3728	Sep 24 2016	19:14: 3.1	4.71	-76.02	61	1.0	0.3	102	12	ANSERMANUEVO (VALLE)
3729	Sep 24 2016	19:14:39.7	7.48	-75.28	27	2.6	0.4	113	38	CACERES (ANTIOQUIA)
3730	Sep 24 2016	19:25:58.6	6.82	-73.06	147	1.8	0.2	146	17	LOS SANTOS (SANTANDER)
3731	Sep 24 2016	19:30:30.1	7.44	-75.27	29	1.6	0.3	129	20	CACERES (ANTIOQUIA)
3732	Sep 24 2016	21:26:39.6	6.83	-73.30	122	1.8	0.2	106	14	ZAPATOCA (SANTANDER)
3733	Sep 24 2016	22:37:50.8	6.81	-73.17	145	2.6	0.4	63	36	LOS SANTOS (SANTANDER)
3734	Sep 24 2016	22:39: 5.3	7.17	-76.21	Sup	2.2	0.4	233	10	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
3735	Sep 24 2016	23:42:10.0	6.77	-73.16	151	1.2	0.4	136	8	LOS SANTOS (SANTANDER)
3736	Sep 25 2016	00:07:53.9	6.79	-73.14	151	2.4	0.5	66	36	LOS SANTOS (SANTANDER)
3737	Sep 25 2016	00:16:18.0	6.81	-73.08	149	2.1	0.5	124	24	LOS SANTOS (SANTANDER)
3738	Sep 25 2016	00:18:57.9	4.79	-76.33	101	1.7	0.1	197	11	EL CAIRO (VALLE)
3739	Sep 25 2016	00:47:59.8	6.74	-73.14	135	1.7	0.4	140	14	LOS SANTOS (SANTANDER)
3740	Sep 25 2016	01:33:12.6	6.76	-73.13	146	1.6	0.5	236	10	LOS SANTOS (SANTANDER)
3741	Sep 25 2016	02:00:23.2	4.79	-76.31	98	1.5	0.3	194	10	EL CAIRO (VALLE)
3742	Sep 25 2016	02:21:43.2	5.45	-73.78	128	1.7	0.5	119	15	SUSA (CUNDINAMARCA)
3743	Sep 25 2016	02:25:17.2	6.77	-73.45	119	1.5	0.4	161	10	EL CARMEN (SANTANDER)
3744	Sep 25 2016	03:12:49.7	7.69	-74.52	30	2.1	0.4	82	24	EL BAGRE (ANTIOQUIA)
3745	Sep 25 2016	04:09: 8.8	7.17	-76.24	Sup	1.6	0.5	241	14	DABEIBA (ANTIOQUIA)
3746	Sep 25 2016	04:38:30.7	6.82	-73.13	146	1.6	0.4	185	13	LOS SANTOS (SANTANDER)
3747	Sep 25 2016	05:31:15.8	7.18	-76.18	Sup	2.1	0.7	222	20	DABEIBA (ANTIOQUIA)
3748	Sep 25 2016	05:52: 1.1	3.45	-75.19	Sup	1.8	0.3	140	18	NATAGAIMA (TOLIMA)
3749	Sep 25 2016	07:15:37.9	4.47	-78.65	11	2.2	0.7	287	26	O. PACIFICO CENTRO
3750	Sep 25 2016	07:16:11.1	6.84	-73.31	121	1.3	0.4	152	10	ZAPATOCA (SANTANDER)
3751	Sep 25 2016	07:40: 2.2	6.77	-73.12	150	1.5	0.6	206	9	LOS SANTOS (SANTANDER)
3752	Sep 25 2016	07:42:53.8	6.78	-73.13	143	1.9	0.5	139	18	LOS SANTOS (SANTANDER)
3753	Sep 25 2016	10:25:44.6	6.79	-73.14	145	2.2	0.5	66	35	LOS SANTOS (SANTANDER)
3754	Sep 25 2016	11:17:13.6	5.20	-73.73	146	1.5	0.2	108	11	CUCUNUBA (CUNDINAMARCA)
3755	Sep 25 2016	11:51:49.3	6.77	-73.10	146	1.3	0.3	240	12	LOS SANTOS (SANTANDER)
3756	Sep 25 2016	12:02:21.5	2.00	-76.74	Sup	1.0	0.3	96	12	LA VEGA (CAUCA)
3757	Sep 25 2016	12:10: 7.9	6.71	-73.48	112	1.7	0.4	141	16	EL CARMEN (SANTANDER)
3758	Sep 25 2016	12:40:13.9	6.75	-73.17	153	1.1	0.1	231	6	LOS SANTOS (SANTANDER)
3759	Sep 25 2016	12:54:29.4	6.79	-73.12	144	1.7	0.2	139	12	LOS SANTOS (SANTANDER)
3760	Sep 25 2016	13:19:18.1	6.81	-73.13	153	2.3	0.4	120	29	LOS SANTOS (SANTANDER)
3761	Sep 25 2016	13:55:57.2	4.86	-76.24	105	1.6	0.3	130	15	EL CAIRO (VALLE)
3762	Sep 25 2016	16:31:51.0	6.80	-73.15	147	2.5	0.4	71	36	LOS SANTOS (SANTANDER)
3763	Sep 25 2016	17:25:58.4	5.61	-74.03	115	1.6	0.3	104	20	SAN PABLO DE BORBUR (BOYACA)
3764	Sep 25 2016	18:01:34.2	6.84	-73.12	142	2.6	0.5	71	44	LOS SANTOS (SANTANDER)
3765	Sep 25 2016	18:58:45.9	6.78	-73.14	147	1.8	0.3	137	21	LOS SANTOS (SANTANDER)
3766	Sep 25 2016	19:32:42.2	6.71	-73.19	148	1.3	0.3	225	11	VILLANUEVA (SANTANDER)
3767	Sep 25 2016	19:50:43.3	1.86	-76.05	Sup	2.3	0.5	119	26	PITALITO (HUILA)
3768	Sep 25 2016	20:57:10.5	3.00	-76.83	96	1.6	0.3	117	16	SUAREZ (CAUCA)
3769	Sep 25 2016	21:09:45.3	5.87	-73.74	114	1.2	0.3	147	10	JESUS MARIA (SANTANDER)
3770	Sep 25 2016	21:54:36.6	6.84	-73.11	148	1.4	0.4	248	9	LOS SANTOS (SANTANDER)
3771	Sep 25 2016	22:32:22.0	10.69	-74.03	Sup	1.5	0.4	120	8	ALGARROBO (MAGDALENA)
3772	Sep 25 2016	23:00:41.6	6.59	-73.56	110	1.3	0.4	142	10	EL CARMEN (SANTANDER)
3773	Sep 25 2016	23:03:57.6	9.54	-73.94	87	1.9	0.4	82	16	ASTREA (CESAR)
3774	Sep 25 2016	23:05:31.6	6.71	-73.25	150	1.1	0.4	196	7	GALAN (SANTANDER)
3775	Sep 25 2016	23:27: 4.2	7.38	-73.08	158	1.6	0.3	136	11	MATANZA (SANTANDER)
3776	Sep 25 2016	23:39:43.5	6.86	-73.28	123	2.5	0.5	55	44	BETULIA (SANTANDER)
3777	Sep 26 2016	00:05: 4.2	6.80	-73.17	150	1.7	0.4	133	13	LOS SANTOS (SANTANDER)
3778	Sep 26 2016	00:21:35.3	6.81	-73.12	150	1.8	0.3	185	14	LOS SANTOS (SANTANDER)
3779	Sep 26 2016	00:45: 9.1	6.81	-73.15	142	2.5	0.5	70	38	LOS SANTOS (SANTANDER)
3780	Sep 26 2016	01:07:44.0	7.82	-73.31	112	1.7	0.6	130	11	SAN ALBERTO (CESAR)
3781	Sep 26 2016	01:39:18.2	6.26	-72.70	Sup	1.9	0.5	133	18	SUSACON (BOYACA)
3782	Sep 26 2016	02:06: 9.5	9.89	-73.33	114	2.0	0.5	144	19	AGUSTIN CODAZZI (CESAR)
3783	Sep 26 2016	02:12:24.3	5.32	-73.68	144	1.7	0.6	126	18	LENGUAZAQUE (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3784	Sep 26 2016	03:01:33.6	6.80	-73.14	148	1.8	0.4	137	18	LOS SANTOS (SANTANDER)
3785	Sep 26 2016	03:20:50.2	4.53	-74.92	Sup	1.1	0.6	252	9	PIEDRAS (TOLIMA)
3786	Sep 26 2016	03:42:27.0	6.76	-73.17	146	1.3	0.2	231	9	LOS SANTOS (SANTANDER)
3787	Sep 26 2016	04:57: 4.8	5.26	-73.72	148	2.3	0.4	65	42	CUCUNUBA (CUNDINAMARCA)
3788	Sep 26 2016	05:01:11.7	6.75	-73.15	146	1.5	0.4	138	13	LOS SANTOS (SANTANDER)
3789	Sep 26 2016	05:02:38.7	6.79	-73.15	149	2.2	0.4	119	27	LOS SANTOS (SANTANDER)
3790	Sep 26 2016	05:09: 9.3	5.84	-73.62	127	1.4	0.4	161	13	MONQUIRA (BOYACA)
3791	Sep 26 2016	05:24:53.8	6.80	-73.14	146	2.2	0.4	65	37	LOS SANTOS (SANTANDER)
3792	Sep 26 2016	07:27:29.8	6.79	-73.14	150	1.7	0.4	137	18	LOS SANTOS (SANTANDER)
3793	Sep 26 2016	07:35:22.9	6.79	-73.12	144	1.9	0.5	139	18	LOS SANTOS (SANTANDER)
3794	Sep 26 2016	07:35:55.6	6.77	-73.14	140	1.7	0.5	138	10	LOS SANTOS (SANTANDER)
3795	Sep 26 2016	07:54:33.5	6.12	-73.75	108	1.0	0.4	105	11	EL PENON (SANTANDER)
3796	Sep 26 2016	08:27:32.3	6.80	-73.12	148	2.2	0.5	120	29	LOS SANTOS (SANTANDER)
3797	Sep 26 2016	08:29:14.8	2.79	-76.89	104	1.5	0.4	108	11	SUAREZ (CAUCA)
3798	Sep 26 2016	08:36: 1.1	6.81	-73.13	147	2.0	0.8	137	20	LOS SANTOS (SANTANDER)
3799	Sep 26 2016	08:42:15.4	6.77	-73.18	153	1.3	0.3	231	9	LOS SANTOS (SANTANDER)
3800	Sep 26 2016	08:56:22.5	6.80	-73.12	147	1.3	0.3	240	11	LOS SANTOS (SANTANDER)
3801	Sep 26 2016	08:59:28.8	6.77	-73.13	142	2.1	0.6	121	30	LOS SANTOS (SANTANDER)
3802	Sep 26 2016	09:06:44.1	6.76	-73.17	147	1.3	0.3	134	12	LOS SANTOS (SANTANDER)
3803	Sep 26 2016	09:15:42.3	6.83	-73.13	144	1.7	0.4	184	13	LOS SANTOS (SANTANDER)
3804	Sep 26 2016	09:31:10.3	3.12	-75.30	Sup	2.7	0.5	120	46	AIPE (HUILA)
3805	Sep 26 2016	09:42:29.9	7.18	-76.24	Sup	1.8	0.5	241	9	DABEIBA (ANTIOQUIA)
3806	Sep 26 2016	09:53:35.4	-0.02	-77.42	32	2.1	0.4	271	14	FRONTERA CON ECUADOR
3807	Sep 26 2016	09:59:36.7	5.77	-73.04	Sup	0.5	0.3	308	8	TIBASOSA (BOYACA)
3808	Sep 26 2016	10:01:53.1	5.79	-73.11	Sup	1.1	0.4	133	16	PAIPA (BOYACA)
3809	Sep 26 2016	10:26:39.7	2.39	-75.49	Sup	1.3	0.4	225	8	GIGANTE (HUILA)
3810	Sep 26 2016	10:34:12.9	7.06	-76.40	42	1.4	0.3	307	8	DABEIBA (ANTIOQUIA)
3811	Sep 26 2016	10:43:52.6	4.80	-76.24	104	1.3	0.2	151	10	EL CAIRO (VALLE)
3812	Sep 26 2016	11:46:27.4	7.19	-76.26	Sup	1.5	0.4	243	10	MUTATA (ANTIOQUIA)
3813	Sep 26 2016	12:18: 7.6	6.82	-73.14	146	2.3	0.4	70	39	LOS SANTOS (SANTANDER)
3814	Sep 26 2016	12:36:33.7	4.37	-76.23	118	1.9	0.3	103	16	BOLIVAR (VALLE)
3815	Sep 26 2016	12:49:42.8	7.10	-76.10	36	1.1	0.1	285	8	DABEIBA (ANTIOQUIA)
3816	Sep 26 2016	13:33:41.9	6.88	-73.06	147	2.1	0.4	143	28	PIEDECUUESTA (SANTANDER)
3817	Sep 26 2016	14:13:18.1	6.40	-73.64	100	2.3	0.5	65	36	SANTA HELENA DEL OPON (SANTANDER)
3818	Sep 26 2016	14:18:15.9	6.81	-73.14	143	2.2	0.4	137	34	LOS SANTOS (SANTANDER)
3819	Sep 26 2016	15:09:59.1	2.37	-75.63	Sup	2.7	0.3	66	39	GIGANTE (HUILA)
3820	Sep 26 2016	15:28:16.0	6.80	-73.14	142	2.5	0.5	136	38	LOS SANTOS (SANTANDER)
3821	Sep 26 2016	15:54:49.2	7.30	-75.49	6	1.7	0.3	107	11	VALDIVIA (ANTIOQUIA)
3822	Sep 26 2016	16:04:47.0	6.78	-73.10	148	2.5	0.3	143	34	LOS SANTOS (SANTANDER)
3823	Sep 26 2016	17:08: 9.5	7.10	-73.24	149	1.3	0.4	249	9	LEBRIJA (SANTANDER)
3824	Sep 26 2016	17:30: 9.9	7.19	-76.28	9	1.3	0.2	257	8	MUTATA (ANTIOQUIA)
3825	Sep 26 2016	18:36: 4.2	5.86	-77.46	Sup	2.7	0.3	220	21	O. PACIFICO NORTE
3826	Sep 26 2016	19:25:21.6	2.41	-75.38	21	1.4	0.3	251	7	ALGECIRAS (HUILA)
3827	Sep 26 2016	19:55: 8.3	6.79	-73.17	126	1.6	0.3	133	11	LOS SANTOS (SANTANDER)
3828	Sep 26 2016	19:58:11.4	6.76	-73.17	142	2.1	0.3	135	18	LOS SANTOS (SANTANDER)
3829	Sep 26 2016	22:07:27.4	7.18	-76.24	Sup	2.3	0.4	242	30	DABEIBA (ANTIOQUIA)
3830	Sep 26 2016	22:23:44.2	5.65	-76.83	12	1.8	0.4	151	12	QUIBDO (CHOCO)
3831	Sep 26 2016	23:01:20.5	6.80	-73.11	147	2.3	0.4	73	34	LOS SANTOS (SANTANDER)
3832	Sep 26 2016	23:23:22.2	3.61	-71.54	Sup	2.1	0.1	300	8	PUERTO GAITAN (META)
3833	Sep 27 2016	00:18:40.6	6.90	-73.09	153	1.3	0.2	214	17	PIEDECUUESTA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3834	Sep 27 2016	00:24:31.5	8.45	-73.45	99	1.3	0.2	199	8	EL CARMEN (N.SANTANDER)
3835	Sep 27 2016	01:11:49.4	7.43	-76.51	Sup	1.6	0.3	270	14	MUTATA (ANTIOQUIA)
3836	Sep 27 2016	01:12:42.2	2.85	-76.64	Sup	0.6	0.2	159	10	MORALES (CAUCA)
3837	Sep 27 2016	02:58:50.5	6.79	-73.14	144	2.0	0.4	72	34	LOS SANTOS (SANTANDER)
3838	Sep 27 2016	03:01:15.6	6.83	-73.13	140	1.2	0.1	241	10	LOS SANTOS (SANTANDER)
3839	Sep 27 2016	03:20:19.9	6.72	-73.19	146	1.3	0.2	225	9	VILLANUEVA (SANTANDER)
3840	Sep 27 2016	03:22:12.6	6.75	-73.07	142	2.1	0.5	169	32	LOS SANTOS (SANTANDER)
3841	Sep 27 2016	04:01: 4.9	6.86	-73.52	81	0.7	0.5	194	8	SAN VICENTE DE CHUCURI (SANTANDER)
3842	Sep 27 2016	04:03:59.4	6.80	-73.15	160	1.3	0.1	280	8	LOS SANTOS (SANTANDER)
3843	Sep 27 2016	04:07:28.7	8.60	-73.35	104	1.9	0.7	163	27	EL CARMEN (N.SANTANDER)
3844	Sep 27 2016	05:09:42.9	6.71	-73.37	146	1.4	0.3	163	13	GALAN (SANTANDER)
3845	Sep 27 2016	05:12:34.7	7.18	-76.21	Sup	1.0	0.4	233	10	DABEIBA (ANTIOQUIA)
3846	Sep 27 2016	07:11:31.0	5.91	-77.68	20	2.4	0.6	209	28	O. PACIFICO NORTE
3847	Sep 27 2016	07:17:25.6	6.80	-73.11	154	1.5	0.2	206	10	LOS SANTOS (SANTANDER)
3848	Sep 27 2016	08:30: 9.0	7.40	-73.18	130	1.2	0.1	267	8	EL PLAYON (SANTANDER)
3849	Sep 27 2016	08:35:19.2	6.77	-73.11	144	1.5	0.1	239	12	LOS SANTOS (SANTANDER)
3850	Sep 27 2016	09:15:21.5	7.17	-76.24	Sup	1.5	0.5	241	12	DABEIBA (ANTIOQUIA)
3851	Sep 27 2016	10:12:11.1	6.79	-73.13	143	1.9	0.5	138	20	LOS SANTOS (SANTANDER)
3852	Sep 27 2016	10:23:58.9	6.81	-73.14	150	2.6	0.5	119	38	LOS SANTOS (SANTANDER)
3853	Sep 27 2016	10:38:41.0	10.43	-72.84	Sup	2.6	0.7	158	14	FRONTERA CON VENEZUELA
3854	Sep 27 2016	10:56:54.5	6.79	-73.14	145	2.3	0.4	71	22	LOS SANTOS (SANTANDER)
3855	Sep 27 2016	12:38:10.8	6.81	-73.06	147	1.5	0.1	246	5	LOS SANTOS (SANTANDER)
3856	Sep 27 2016	13:36:18.4	6.50	-73.58	100	1.6	0.5	89	13	SANTA HELENA DEL OPO (SANTANDER)
3857	Sep 27 2016	13:40: 1.0	6.77	-73.12	161	1.8	0.3	238	9	LOS SANTOS (SANTANDER)
3858	Sep 27 2016	14:48:19.7	6.81	-73.15	145	3.1	0.5	74	0	LOS SANTOS (SANTANDER)
3859	Sep 27 2016	14:48:19.7	6.81	-73.15	145	3.1	0.5	74	48	LOS SANTOS (SANTANDER)
3860	Sep 27 2016	14:59:55.5	3.39	-74.51	Sup	2.2	0.6	103	29	URIBE (META)
3861	Sep 27 2016	15:01:55.4	6.80	-73.15	150	2.0	0.3	135	15	LOS SANTOS (SANTANDER)
3862	Sep 27 2016	15:07:24.1	6.54	-73.53	109	2.0	0.6	64	23	EL CARMEN (SANTANDER)
3863	Sep 27 2016	15:14:26.9	2.65	-75.10	13	1.6	0.5	190	9	RIVERA (HUILA)
3864	Sep 27 2016	15:35:53.0	6.79	-73.13	150	3.6	0.5	66	0	LOS SANTOS (SANTANDER)
3865	Sep 27 2016	15:35:53.0	6.79	-73.13	150	3.6	0.5	66	66	LOS SANTOS (SANTANDER)
3866	Sep 27 2016	16:20: 1.2	6.79	-73.15	146	2.8	0.4	101	35	LOS SANTOS (SANTANDER)
3867	Sep 27 2016	17:01: 3.2	6.78	-73.13	142	1.9	0.3	138	16	LOS SANTOS (SANTANDER)
3868	Sep 27 2016	17:21:52.5	6.66	-73.23	143	1.5	0.6	189	9	BARICHARA (SANTANDER)
3869	Sep 27 2016	17:24:41.6	6.79	-73.17	146	1.7	0.3	233	11	LOS SANTOS (SANTANDER)
3870	Sep 27 2016	17:42:36.2	1.62	-79.15	7	2.7	0.4	260	17	O. PACIFICO SUR
3871	Sep 27 2016	17:51:25.8	5.77	-75.47	Sup	2.1	0.4	74	25	ABEJORRAL (ANTIOQUIA)
3872	Sep 27 2016	19:45:16.2	6.77	-73.15	138	1.5	0.5	136	10	LOS SANTOS (SANTANDER)
3873	Sep 27 2016	19:48:47.9	6.79	-73.12	149	2.1	0.4	139	19	LOS SANTOS (SANTANDER)
3874	Sep 27 2016	20:24:37.1	6.78	-73.17	150	1.8	0.3	134	12	LOS SANTOS (SANTANDER)
3875	Sep 27 2016	21:21: 4.7	6.66	-73.31	138	1.9	0.4	84	18	GALAN (SANTANDER)
3876	Sep 27 2016	22:55:15.4	6.79	-73.15	155	1.5	0.4	136	14	LOS SANTOS (SANTANDER)
3877	Sep 28 2016	00:02:23.5	7.14	-76.18	Sup	2.2	0.6	216	26	DABEIBA (ANTIOQUIA)
3878	Sep 28 2016	00:06: 2.8	6.76	-73.15	143	1.9	0.4	137	15	LOS SANTOS (SANTANDER)
3879	Sep 28 2016	00:09:30.8	6.82	-73.13	145	1.9	0.4	241	20	LOS SANTOS (SANTANDER)
3880	Sep 28 2016	00:59:55.6	7.21	-73.86	20	1.3	0.5	201	10	PUERTO WILCHES (SANTANDER)
3881	Sep 28 2016	02:29: 8.2	7.24	-73.24	10	1.2	0.3	255	7	RIONEGRO (SANTANDER)
3882	Sep 28 2016	02:55:14.7	6.76	-73.15	152	1.4	0.3	234	9	LOS SANTOS (SANTANDER)
3883	Sep 28 2016	03:21:47.7	6.79	-73.16	151	1.5	0.5	207	14	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3884	Sep 28 2016	03:30: 9.9	5.82	-75.84	22	1.4	0.7	119	14	PUEBLORRICO (ANTIOQUIA)
3885	Sep 28 2016	03:32:46.1	5.64	-74.32	86	0.9	0.2	112	9	OTANCHE (BOYACA)
3886	Sep 28 2016	04:08:52.9	6.72	-73.20	151	1.1	0.4	224	7	VILLANUEVA (SANTANDER)
3887	Sep 28 2016	04:14:53.7	6.77	-73.17	148	1.2	0.4	233	8	LOS SANTOS (SANTANDER)
3888	Sep 28 2016	04:27: 2.9	6.01	-76.14	54	1.5	0.4	247	11	EL CARMEN (CHOCO)
3889	Sep 28 2016	04:32:38.5	6.33	-73.57	116	1.5	0.4	75	16	SANTA HELENA DEL OPON (SANTANDER)
3890	Sep 28 2016	04:56:59.8	6.82	-73.12	148	2.6	0.5	53	54	LOS SANTOS (SANTANDER)
3891	Sep 28 2016	05:13:21.4	2.24	-75.60	19	1.6	0.4	124	15	GARZON (HUILA)
3892	Sep 28 2016	05:21:49.1	3.87	-73.54	52	1.4	0.5	204	13	CASTILLA LA NUEVA (META)
3893	Sep 28 2016	05:43:33.0	10.27	-72.59	Sup	1.5	0.4	177	8	FRONTERA CON VENEZUELA
3894	Sep 28 2016	06:11:27.5	7.20	-76.25	Sup	1.1	0.5	243	11	MUTATA (ANTIOQUIA)
3895	Sep 28 2016	06:40:36.4	7.21	-76.29	Sup	1.0	0.4	246	10	MUTATA (ANTIOQUIA)
3896	Sep 28 2016	07:08:18.0	6.83	-73.14	154	1.4	0.4	241	12	LOS SANTOS (SANTANDER)
3897	Sep 28 2016	08:10:18.2	6.82	-73.15	149	2.4	0.4	53	42	LOS SANTOS (SANTANDER)
3898	Sep 28 2016	08:36:49.6	6.80	-73.16	150	2.0	0.4	70	31	LOS SANTOS (SANTANDER)
3899	Sep 28 2016	08:44:48.9	4.71	-76.19	90	1.9	0.5	142	27	EL CAIRO (VALLE)
3900	Sep 28 2016	08:54:21.0	6.95	-73.12	146	1.4	0.5	187	8	PIEDECUENTA (SANTANDER)
3901	Sep 28 2016	09:22:50.6	6.79	-73.08	139	1.5	0.2	189	21	LOS SANTOS (SANTANDER)
3902	Sep 28 2016	09:24:42.8	7.67	-73.27	121	1.4	0.2	179	9	LA ESPERANZA (N.SANTANDER)
3903	Sep 28 2016	09:50:56.0	6.82	-73.13	145	1.6	0.3	185	24	LOS SANTOS (SANTANDER)
3904	Sep 28 2016	10:04: 7.6	6.79	-74.67	53	1.1	0.3	154	12	VEGACHI (ANTIOQUIA)
3905	Sep 28 2016	10:43:13.9	6.90	-72.99	134	1.3	0.2	221	11	PIEDECUENTA (SANTANDER)
3906	Sep 28 2016	10:46: 2.4	6.52	-76.76	11	1.7	0.4	234	25	VIGIA DEL FUERTE (ANTIOQUIA)
3907	Sep 28 2016	11:43:52.0	6.73	-73.14	144	1.4	0.3	232	10	LOS SANTOS (SANTANDER)
3908	Sep 28 2016	11:50:27.1	6.60	-73.15	145	1.4	0.2	222	10	SAN GIL (SANTANDER)
3909	Sep 28 2016	12:10:46.7	6.76	-73.15	148	1.1	0.1	234	10	LOS SANTOS (SANTANDER)
3910	Sep 28 2016	12:25: 1.8	7.13	-76.39	Sup	1.4	0.3	251	10	MUTATA (ANTIOQUIA)
3911	Sep 28 2016	12:27:19.8	4.89	-76.45	72	1.9	0.5	160	25	NOVITA (CHOCO)
3912	Sep 28 2016	13:04:47.7	6.77	-73.15	140	1.5	0.3	234	15	LOS SANTOS (SANTANDER)
3913	Sep 28 2016	13:18:38.4	6.78	-73.09	149	2.1	0.3	123	26	LOS SANTOS (SANTANDER)
3914	Sep 28 2016	15:00:44.1	6.81	-73.07	147	2.3	0.5	104	38	LOS SANTOS (SANTANDER)
3915	Sep 28 2016	15:11:30.9	2.41	-75.51	25	1.8	0.3	220	8	GIGANTE (HUILA)
3916	Sep 28 2016	16:02:44.9	4.23	-75.74	18	1.2	0.2	195	10	GENOVA (QUINDIO)
3917	Sep 28 2016	16:31:12.5	6.80	-73.12	157	1.4	0.3	246	9	LOS SANTOS (SANTANDER)
3918	Sep 28 2016	16:36:32.7	6.81	-73.15	141	1.6	0.2	135	16	LOS SANTOS (SANTANDER)
3919	Sep 28 2016	17:02:39.1	6.80	-73.09	137	1.5	0.4	143	16	LOS SANTOS (SANTANDER)
3920	Sep 28 2016	18:01: 1.3	3.26	-76.44	18	1.3	0.4	155	12	PUERTO TEJADA (CAUCA)
3921	Sep 28 2016	19:11: 0.3	6.82	-73.07	152	2.1	0.4	144	27	LOS SANTOS (SANTANDER)
3922	Sep 28 2016	19:12:31.4	6.80	-73.14	151	1.9	0.5	137	22	LOS SANTOS (SANTANDER)
3923	Sep 28 2016	19:21:12.6	1.47	-78.69	40	2.5	0.1	237	15	TUMACO (NARINO)
3924	Sep 28 2016	19:55:55.3	6.80	-73.13	147	2.9	0.3	138	48	LOS SANTOS (SANTANDER)
3925	Sep 28 2016	20:12:37.0	6.84	-76.29	Sup	1.6	0.4	222	14	URAMITA (ANTIOQUIA)
3926	Sep 28 2016	20:13:20.9	6.70	-73.51	109	2.3	0.4	47	24	EL CARMEN (SANTANDER)
3927	Sep 28 2016	21:59:17.8	5.78	-75.21	Sup	1.0	0.2	161	8	ARGELIA (ANTIOQUIA)
3928	Sep 28 2016	22:43:54.5	6.39	-73.52	117	1.8	0.4	78	22	SANTA HELENA DEL OPON (SANTANDER)
3929	Sep 28 2016	23:02:46.3	7.03	-77.42	Sup	2.3	0.3	165	9	JURADO (CHOCO)
3930	Sep 29 2016	00:11:50.1	11.12	-73.63	17	2.7	0.5	156	24	PUEBLO BELLO (CESAR)
3931	Sep 29 2016	00:43:33.3	6.91	-73.14	151	1.9	0.4	130	20	PIEDECUENTA (SANTANDER)
3932	Sep 29 2016	00:55:21.4	5.75	-75.43	30	0.6	0.7	185	7	ABEJORRAL (ANTIOQUIA)
3933	Sep 29 2016	00:55:44.7	6.55	-73.58	Sup	1.2	0.5	79	9	EL CARMEN (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3934	Sep 29 2016	02:30: 5.9	6.80	-73.11	146	2.2	0.6	121	31	LOS SANTOS (SANTANDER)
3935	Sep 29 2016	03:00:56.8	6.77	-73.10	142	1.8	0.4	124	22	LOS SANTOS (SANTANDER)
3936	Sep 29 2016	03:26:38.0	11.66	-71.67	57	2.5	0.4	277	18	FRONTERA CON VENEZUELA
3937	Sep 29 2016	03:44:35.9	6.84	-73.15	151	1.4	0.5	241	13	LOS SANTOS (SANTANDER)
3938	Sep 29 2016	04:57:41.3	6.80	-73.12	151	1.2	0.3	240	11	LOS SANTOS (SANTANDER)
3939	Sep 29 2016	04:59:36.0	6.79	-73.11	148	1.8	0.4	167	24	LOS SANTOS (SANTANDER)
3940	Sep 29 2016	05:29:33.5	6.80	-73.15	145	2.0	0.4	71	31	LOS SANTOS (SANTANDER)
3941	Sep 29 2016	05:43: 4.4	7.38	-73.18	134	1.4	0.3	105	13	EL PLAYON (SANTANDER)
3942	Sep 29 2016	05:55:15.7	8.14	-73.64	91	2.1	0.5	78	30	AGUACHICA (CESAR)
3943	Sep 29 2016	06:10:49.1	6.76	-73.13	145	2.1	0.4	67	26	LOS SANTOS (SANTANDER)
3944	Sep 29 2016	06:19:10.1	4.43	-76.10	120	1.6	0.4	132	9	ROLDANILLO (VALLE)
3945	Sep 29 2016	07:15:40.0	6.75	-73.18	153	1.3	0.2	230	8	LOS SANTOS (SANTANDER)
3946	Sep 29 2016	07:17:14.5	6.00	-74.00	6	1.1	0.6	94	12	LA BELLEZA (SANTANDER)
3947	Sep 29 2016	07:21:29.4	5.98	-74.00	Sup	1.1	0.2	95	13	LA BELLEZA (SANTANDER)
3948	Sep 29 2016	07:31:58.1	6.01	-74.00	Sup	2.3	0.6	71	39	LA BELLEZA (SANTANDER)
3949	Sep 29 2016	07:36:55.3	6.00	-73.99	Sup	1.4	0.8	96	19	LA BELLEZA (SANTANDER)
3950	Sep 29 2016	07:41:27.9	5.98	-73.98	13	1.4	0.6	99	19	LA BELLEZA (SANTANDER)
3951	Sep 29 2016	07:41:27.0	2.83	-76.09	Sup	2.1	0.5	104	18	TORIBIO (CAUCA)
3952	Sep 29 2016	08:37:27.7	6.77	-73.10	148	1.6	0.5	124	17	LOS SANTOS (SANTANDER)
3953	Sep 29 2016	08:38:56.3	6.83	-73.14	146	1.4	0.4	143	10	LOS SANTOS (SANTANDER)
3954	Sep 29 2016	09:04:55.0	6.00	-73.98	Sup	2.0	0.7	72	22	LA BELLEZA (SANTANDER)
3955	Sep 29 2016	10:01:56.2	6.01	-73.50	126	1.4	0.4	84	20	SAN JOSE DE PARE (BOYACA)
3956	Sep 29 2016	10:15: 2.0	6.78	-73.12	146	2.0	0.4	122	26	LOS SANTOS (SANTANDER)
3957	Sep 29 2016	10:19:30.7	4.93	-74.79	Sup	1.9	0.7	55	44	LERIDA (TOLIMA)
3958	Sep 29 2016	11:01:49.9	7.21	-76.37	8	1.2	0.2	278	8	MUTATA (ANTIOQUIA)
3959	Sep 29 2016	11:13: 0.7	6.84	-72.98	149	1.3	0.1	256	12	CEPITA (SANTANDER)
3960	Sep 29 2016	11:16:32.6	6.80	-73.29	126	1.7	0.3	104	21	ZAPATOCA (SANTANDER)
3961	Sep 29 2016	11:55:56.5	6.81	-73.53	115	1.1	0.2	120	10	EL CARMEN (SANTANDER)
3962	Sep 29 2016	14:06: 3.0	6.84	-73.13	143	0.9	0.3	144	7	LOS SANTOS (SANTANDER)
3963	Sep 29 2016	14:08: 1.4	6.75	-73.16	121	1.2	0.3	136	10	LOS SANTOS (SANTANDER)
3964	Sep 29 2016	14:14:47.4	6.81	-73.11	150	3.5	0.4	67	0	LOS SANTOS (SANTANDER)
3965	Sep 29 2016	14:14:47.4	6.81	-73.11	150	3.5	0.4	67	78	LOS SANTOS (SANTANDER)
3966	Sep 29 2016	14:19:30.2	5.97	-73.74	119	1.1	0.2	133	8	BOLIVAR (SANTANDER)
3967	Sep 29 2016	14:23: 5.2	6.77	-73.12	137	2.0	0.4	141	23	LOS SANTOS (SANTANDER)
3968	Sep 29 2016	14:49: 5.3	6.73	-73.12	138	1.6	0.4	142	17	JORDAN (SANTANDER)
3969	Sep 29 2016	15:50:47.0	8.43	-75.40	Sup	1.9	0.5	177	20	PUEBLO NUEVO (CORDOBA)
3970	Sep 29 2016	15:53:20.9	7.26	-76.39	11	1.3	0.3	277	8	MUTATA (ANTIOQUIA)
3971	Sep 29 2016	17:25:35.9	9.70	-73.31	Sup	1.8	0.7	147	21	BECERRIL (CESAR)
3972	Sep 29 2016	17:39:14.5	6.01	-74.00	Sup	1.4	0.4	93	20	LA BELLEZA (SANTANDER)
3973	Sep 29 2016	17:53: 1.8	6.02	-73.98	12	1.0	0.3	140	10	LA BELLEZA (SANTANDER)
3974	Sep 29 2016	18:53:21.1	3.95	-76.52	116	1.8	0.4	102	18	CALIMA (VALLE)
3975	Sep 29 2016	19:56:13.1	7.06	-76.68	Sup	1.8	0.3	268	15	MURINDO (ANTIOQUIA)
3976	Sep 29 2016	20:37: 6.2	7.16	-76.24	Sup	1.9	0.4	240	11	DABEIBA (ANTIOQUIA)
3977	Sep 29 2016	22:16:40.7	6.70	-74.94	21	2.9	0.5	52	57	YALI (ANTIOQUIA)
3978	Sep 29 2016	22:29:27.7	6.98	-73.52	107	1.6	0.4	123	14	SAN VICENTE DE CHUCURI (SANTANDER)
3979	Sep 29 2016	23:25:49.7	6.77	-73.34	130	1.5	0.3	115	11	ZAPATOCA (SANTANDER)
3980	Sep 29 2016	23:54:50.6	6.79	-73.15	146	1.6	0.4	136	15	LOS SANTOS (SANTANDER)
3981	Sep 30 2016	00:05:23.6	6.90	-73.15	146	1.4	0.2	130	16	PIEDECUUESTA (SANTANDER)
3982	Sep 30 2016	00:17:31.2	5.14	-73.04	Sup	1.9	0.8	92	33	PAEZ (BOYACA)
3983	Sep 30 2016	01:10:31.5	7.08	-76.03	Sup	1.5	0.4	146	20	PEQUE (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
3984	Sep 30 2016	01:16: 4.1	6.67	-73.25	147	1.3	0.2	187	16	BARICHARA (SANTANDER)
3985	Sep 30 2016	01:47: 9.1	3.69	-76.92	Sup	1.4	0.3	140	12	DAGUA (VALLE)
3986	Sep 30 2016	01:53:27.3	6.80	-73.15	145	1.2	0.2	136	12	LOS SANTOS (SANTANDER)
3987	Sep 30 2016	01:57:31.6	6.72	-73.11	147	1.5	0.2	143	14	JORDAN (SANTANDER)
3988	Sep 30 2016	02:02:49.7	7.21	-76.27	Sup	2.0	0.4	234	30	MUTATA (ANTIOQUIA)
3989	Sep 30 2016	02:20:17.8	7.09	-76.04	Sup	1.0	0.3	152	8	PEQUE (ANTIOQUIA)
3990	Sep 30 2016	02:23:12.7	7.06	-76.04	Sup	0.7	0.2	143	8	PEQUE (ANTIOQUIA)
3991	Sep 30 2016	02:25:41.3	6.78	-73.16	141	0.9	0.2	234	8	LOS SANTOS (SANTANDER)
3992	Sep 30 2016	02:35: 8.6	5.25	-73.74	154	1.1	0.4	141	8	CUCUNUBA (CUNDINAMARCA)
3993	Sep 30 2016	02:36:17.6	2.72	-75.02	Sup	1.8	0.5	108	18	RIVERA (HUILA)
3994	Sep 30 2016	03:29:28.5	7.38	-76.54	Sup	1.1	0.1	269	7	MUTATA (ANTIOQUIA)
3995	Sep 30 2016	03:29:38.6	9.66	-72.79	Sup	1.8	0.5	156	12	FRONTERA CON VENEZUELA
3996	Sep 30 2016	04:04:42.0	7.44	-73.11	140	1.7	0.5	119	20	EL PLAYON (SANTANDER)
3997	Sep 30 2016	04:08:54.5	6.72	-73.20	145	1.1	0.3	224	9	VILLANUEVA (SANTANDER)
3998	Sep 30 2016	04:13: 6.7	6.68	-73.24	163	1.2	0.4	217	10	BARICHARA (SANTANDER)
3999	Sep 30 2016	04:19:41.0	6.96	-73.02	142	1.2	0.4	196	11	PIEDRECUESTA (SANTANDER)
4000	Sep 30 2016	04:29:58.3	6.77	-73.14	147	0.8	0.2	236	7	LOS SANTOS (SANTANDER)
4001	Sep 30 2016	04:33: 0.6	5.26	-73.77	146	1.2	0.4	128	13	CUCUNUBA (CUNDINAMARCA)
4002	Sep 30 2016	05:02:16.5	6.74	-73.17	158	1.0	0.1	230	8	VILLANUEVA (SANTANDER)
4003	Sep 30 2016	05:18:22.1	6.82	-73.12	148	1.9	0.5	138	36	LOS SANTOS (SANTANDER)
4004	Sep 30 2016	05:54:40.8	6.47	-75.24	Sup	1.0	0.1	214	8	CONCEPCION (ANTIOQUIA)
4005	Sep 30 2016	06:02:20.4	2.09	-75.74	Sup	2.3	0.2	100	37	ALTAMIRA (HUILA)
4006	Sep 30 2016	06:16:20.9	2.25	-75.58	18	1.2	0.5	126	12	GARZON (HUILA)
4007	Sep 30 2016	06:56:18.0	8.39	-73.43	104	2.0	0.4	132	32	GONZALEZ (CESAR)
4008	Sep 30 2016	06:58:59.8	4.89	-77.67	84	1.4	0.2	261	8	O. PACIFICO CENTRO
4009	Sep 30 2016	06:59: 4.4	6.81	-73.15	151	1.5	0.4	134	21	LOS SANTOS (SANTANDER)
4010	Sep 30 2016	07:07:17.8	5.71	-73.05	Sup	0.9	0.4	275	9	TIBASOSA (BOYACA)
4011	Sep 30 2016	07:43:43.1	6.82	-73.12	144	2.5	0.5	71	52	LOS SANTOS (SANTANDER)
4012	Sep 30 2016	08:13:39.6	6.83	-73.19	127	0.9	0.2	241	7	ZAPATOCA (SANTANDER)
4013	Sep 30 2016	08:26: 6.7	6.76	-73.13	140	1.5	0.3	140	18	LOS SANTOS (SANTANDER)
4014	Sep 30 2016	08:35: 2.4	2.51	-75.23	Sup	1.1	0.3	100	14	ALGECIRAS (HUILA)
4015	Sep 30 2016	08:37:27.9	6.79	-73.15	145	1.9	0.3	136	25	LOS SANTOS (SANTANDER)
4016	Sep 30 2016	08:48:21.1	6.77	-73.15	144	1.5	0.2	136	17	LOS SANTOS (SANTANDER)
4017	Sep 30 2016	09:23:57.2	7.26	-72.99	77	1.0	0.1	191	7	CHARTA (SANTANDER)
4018	Sep 30 2016	10:01:39.9	6.79	-73.14	141	1.1	0.2	137	8	LOS SANTOS (SANTANDER)
4019	Sep 30 2016	10:32:25.8	6.81	-73.12	146	2.3	0.5	120	30	LOS SANTOS (SANTANDER)
4020	Sep 30 2016	10:44:42.2	6.76	-73.14	142	0.9	0.2	235	8	LOS SANTOS (SANTANDER)
4021	Sep 30 2016	10:57: 9.9	6.59	-74.65	Sup	1.2	0.6	131	10	MACEO (ANTIOQUIA)
4022	Sep 30 2016	12:06:11.6	6.76	-73.15	144	1.7	0.3	136	12	LOS SANTOS (SANTANDER)
4023	Sep 30 2016	12:52:48.4	4.78	-75.99	48	1.1	0.2	122	9	ANSERMANUEVO (VALLE)
4024	Sep 30 2016	13:17: 4.8	5.71	-74.76	Sup	1.5	0.5	163	10	NORCASIA (CALDAS)
4025	Sep 30 2016	14:07:38.2	5.59	-73.87	136	1.5	0.4	157	8	CALDAS (BOYACA)
4026	Sep 30 2016	14:27:50.1	5.57	-73.85	133	1.7	0.4	105	13	CALDAS (BOYACA)
4027	Sep 30 2016	14:49:54.2	5.94	-74.24	Sup	1.1	0.3	145	8	OTANCHE (BOYACA)
4028	Sep 30 2016	15:25:19.4	5.28	-73.73	150	2.9	0.5	77	45	LENGUAZAQUE (CUNDINAMARCA)
4029	Sep 30 2016	15:36:49.4	6.81	-73.15	150	1.5	0.4	135	11	LOS SANTOS (SANTANDER)
4030	Sep 30 2016	16:34:29.2	6.78	-73.14	143	1.8	0.6	137	13	LOS SANTOS (SANTANDER)
4031	Sep 30 2016	17:04:38.2	6.83	-73.20	142	1.6	0.3	148	9	ZAPATOCA (SANTANDER)
4032	Sep 30 2016	17:12: 4.5	6.80	-73.13	150	3.7	0.5	66	0	LOS SANTOS (SANTANDER)
4033	Sep 30 2016	17:12: 4.5	6.80	-73.13	150	3.7	0.5	66	63	LOS SANTOS (SANTANDER)
4034	Sep 30 2016	17:39: 7.2	5.33	-73.57	166	1.7	0.5	151	13	VENTAQUEMADA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4035	Sep 30 2016	17:44:52.0	6.76	-73.12	139	1.9	0.4	140	17	LOS SANTOS (SANTANDER)
4036	Sep 30 2016	17:53: 2.3	6.78	-73.16	146	2.6	0.4	99	38	LOS SANTOS (SANTANDER)
4037	Sep 30 2016	18:29:12.9	6.80	-73.16	147	1.7	0.4	134	13	LOS SANTOS (SANTANDER)
4038	Sep 30 2016	18:44:13.7	6.81	-73.20	141	1.3	0.1	146	8	ZAPATOCA (SANTANDER)
4039	Sep 30 2016	19:12:17.7	6.79	-73.15	149	3.7	0.4	65	0	LOS SANTOS (SANTANDER)
4040	Sep 30 2016	19:12:17.7	6.79	-73.15	149	3.7	0.4	65	66	LOS SANTOS (SANTANDER)
4041	Sep 30 2016	19:36:34.8	3.16	-74.00	Sup	2.0	0.3	153	14	MESETAS (META)
4042	Sep 30 2016	19:38:51.9	6.58	-73.70	98	1.1	0.5	129	8	EL CARMEN (SANTANDER)
4043	Sep 30 2016	20:06:43.4	6.75	-73.15	143	1.8	0.5	137	13	LOS SANTOS (SANTANDER)
4044	Sep 30 2016	21:53:27.8	3.21	-74.62	21	1.9	0.3	244	8	COLOMBIA (HUILA)
4045	Oct 1 2016	01:35:42.7	5.27	-73.72	149	3.2	0.4	65	54	LENGUAZAQUE (CUNDINAMARCA)
4046	Oct 1 2016	01:58:10.6	3.94	-76.29	116	1.5	0.3	190	8	BUGA (VALLE)
4047	Oct 1 2016	02:14:52.6	5.62	-73.71	125	1.6	0.5	113	15	SABOYA (BOYACA)
4048	Oct 1 2016	02:38:55.8	6.79	-73.14	147	1.6	0.4	137	14	LOS SANTOS (SANTANDER)
4049	Oct 1 2016	02:44:19.1	6.79	-73.18	151	1.4	0.3	132	9	ZAPATOCA (SANTANDER)
4050	Oct 1 2016	04:07:53.4	6.68	-73.21	154	1.5	0.1	220	9	VILLANUEVA (SANTANDER)
4051	Oct 1 2016	05:15:50.8	6.80	-73.15	146	3.3	0.5	68	67	LOS SANTOS (SANTANDER)
4052	Oct 1 2016	05:25:50.0	5.76	-73.93	107	1.3	0.4	148	12	ALBANIA (SANTANDER)
4053	Oct 1 2016	06:50:13.0	7.19	-76.24	Sup	1.0	0.2	241	7	DABEIBA (ANTIOQUIA)
4054	Oct 1 2016	08:02:13.7	7.17	-76.24	Sup	1.2	0.4	240	7	DABEIBA (ANTIOQUIA)
4055	Oct 1 2016	08:11:14.9	6.79	-73.10	152	1.3	0.2	242	8	LOS SANTOS (SANTANDER)
4056	Oct 1 2016	08:57:11.4	6.77	-73.14	136	1.8	0.5	138	19	LOS SANTOS (SANTANDER)
4057	Oct 1 2016	09:19:16.0	6.48	-73.24	165	1.8	0.4	166	11	SOCORRO (SANTANDER)
4058	Oct 1 2016	09:22:36.2	2.70	-75.06	Sup	1.7	0.4	219	18	RIVERA (HUILA)
4059	Oct 1 2016	09:22:36.2	2.70	-75.06	Sup	1.7	0.4	219	18	RIVERA (HUILA)
4060	Oct 1 2016	10:33: 3.1	6.09	-74.00	87	1.6	0.2	86	19	EL PENON (SANTANDER)
4061	Oct 1 2016	10:39:37.1	6.80	-73.14	145	1.4	0.4	136	16	LOS SANTOS (SANTANDER)
4062	Oct 1 2016	10:43:38.6	7.17	-76.22	Sup	1.9	0.4	234	22	DABEIBA (ANTIOQUIA)
4063	Oct 1 2016	12:02:40.3	6.75	-73.24	142	1.1	0.4	211	10	ZAPATOCA (SANTANDER)
4064	Oct 1 2016	12:06:28.8	5.07	-76.62	51	1.7	0.3	184	17	CONDOTO (CHOCO)
4065	Oct 1 2016	12:21:21.2	10.50	-73.39	Sup	1.9	0.4	140	12	PUEBLO BELLO (CESAR)
4066	Oct 1 2016	12:21:33.8	7.55	-74.98	42	1.4	0.3	188	10	ZARAGOZA (ANTIOQUIA)
4067	Oct 1 2016	12:28: 8.0	7.36	-73.11	11	1.4	0.3	179	10	RIONEGRO (SANTANDER)
4068	Oct 1 2016	12:37:57.3	6.79	-73.17	152	1.4	0.3	242	10	LOS SANTOS (SANTANDER)
4069	Oct 1 2016	13:10:51.1	1.86	-76.77	Sup	1.0	0.4	172	10	SAN SEBASTIAN (CAUCA)
4070	Oct 1 2016	13:45:15.3	6.73	-76.77	21	2.6	0.4	113	45	VIGIA DEL FUERTE (ANTIOQUIA)
4071	Oct 1 2016	13:51:43.8	6.82	-73.12	148	2.2	0.4	137	36	LOS SANTOS (SANTANDER)
4072	Oct 1 2016	14:00:49.4	7.09	-76.28	12	1.5	0.5	241	10	DABEIBA (ANTIOQUIA)
4073	Oct 1 2016	15:08:14.7	6.76	-73.10	144	1.7	0.3	143	20	LOS SANTOS (SANTANDER)
4074	Oct 1 2016	15:32:10.7	6.81	-73.16	140	2.3	0.4	103	32	LOS SANTOS (SANTANDER)
4075	Oct 1 2016	15:51:40.2	6.81	-73.14	150	3.5	0.5	66	60	LOS SANTOS (SANTANDER)
4076	Oct 1 2016	16:12:43.5	6.79	-73.16	142	2.3	0.4	135	24	LOS SANTOS (SANTANDER)
4077	Oct 1 2016	17:33:28.9	6.77	-73.12	145	1.3	0.2	140	8	LOS SANTOS (SANTANDER)
4078	Oct 1 2016	17:56:37.8	4.30	-73.74	Sup	2.3	0.5	143	32	EL CALVARIO (META)
4079	Oct 1 2016	18:52:16.3	6.79	-73.17	151	1.5	0.2	142	8	LOS SANTOS (SANTANDER)
4080	Oct 1 2016	18:58:38.2	5.26	-73.74	145	1.6	0.2	132	10	CUCUNUBA (CUNDINAMARCA)
4081	Oct 1 2016	21:36:33.0	5.28	-73.75	148	1.8	0.5	130	19	CUCUNUBA (CUNDINAMARCA)
4082	Oct 1 2016	22:01:24.0	6.79	-73.13	139	3.5	0.5	72	54	LOS SANTOS (SANTANDER)
4083	Oct 1 2016	22:31: 6.3	6.76	-73.14	139	1.8	0.4	139	15	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4084	Oct 2 2016	02:22:59.3	7.32	-78.21	12	3.5	0.7	101	58	JURADO (CHOCO)
4085	Oct 2 2016	02:39:22.4	4.18	-76.06	153	1.6	0.5	109	16	BUGALAGRANDE (VALLE)
4086	Oct 2 2016	02:49:11.5	6.76	-73.14	150	1.8	0.5	235	12	LOS SANTOS (SANTANDER)
4087	Oct 2 2016	03:26:59.5	4.20	-76.17	Sup	2.2	0.8	91	38	BUGALAGRANDE (VALLE)
4088	Oct 2 2016	03:29:26.6	4.71	-76.08	91	1.6	0.4	113	10	ARGELIA (VALLE)
4089	Oct 2 2016	04:47:55.6	9.45	-73.36	123	2.4	0.5	189	19	LA JAGUA DE IBIRICO (CESAR)
4090	Oct 2 2016	05:10:53.5	6.74	-73.09	141	1.5	0.4	239	12	LOS SANTOS (SANTANDER)
4091	Oct 2 2016	05:53:46.5	5.72	-73.85	101	1.4	0.2	246	8	ALBANIA (SANTANDER)
4092	Oct 2 2016	07:55:46.5	6.81	-73.15	145	3.1	0.5	70	42	LOS SANTOS (SANTANDER)
4093	Oct 2 2016	08:14:32.1	6.80	-73.14	144	1.9	0.5	183	14	LOS SANTOS (SANTANDER)
4094	Oct 2 2016	08:18: 1.7	6.80	-73.15	146	2.1	0.4	135	20	LOS SANTOS (SANTANDER)
4095	Oct 2 2016	08:37: 6.6	6.75	-73.17	143	1.1	0.4	230	8	LOS SANTOS (SANTANDER)
4096	Oct 2 2016	09:23:48.0	6.81	-73.18	138	1.6	0.3	179	14	ZAPATOCA (SANTANDER)
4097	Oct 2 2016	09:34:26.6	6.80	-73.11	144	2.1	0.4	141	23	LOS SANTOS (SANTANDER)
4098	Oct 2 2016	09:43:15.7	6.80	-73.11	144	1.9	0.3	141	18	LOS SANTOS (SANTANDER)
4099	Oct 2 2016	10:24:55.5	6.77	-73.17	146	1.2	0.2	232	7	LOS SANTOS (SANTANDER)
4100	Oct 2 2016	11:31:55.1	6.64	-73.40	123	1.4	0.2	136	10	EL CARMEN (SANTANDER)
4101	Oct 2 2016	12:25:34.3	4.89	-76.46	83	1.7	0.4	160	12	NOVITA (CHOCO)
4102	Oct 2 2016	12:40:49.8	6.83	-73.14	139	1.3	0.3	240	7	LOS SANTOS (SANTANDER)
4103	Oct 2 2016	12:44:38.7	6.81	-73.15	149	2.9	0.4	70	46	LOS SANTOS (SANTANDER)
4104	Oct 2 2016	14:01:45.9	6.83	-73.02	144	1.5	0.1	151	7	CEPITA (SANTANDER)
4105	Oct 2 2016	14:06:21.1	6.82	-73.15	143	2.5	0.4	70	41	LOS SANTOS (SANTANDER)
4106	Oct 2 2016	14:17: 1.5	6.76	-73.15	152	1.3	0.2	233	8	LOS SANTOS (SANTANDER)
4107	Oct 2 2016	14:20:49.3	6.79	-73.30	126	1.1	0.3	202	7	ZAPATOCA (SANTANDER)
4108	Oct 2 2016	15:08:45.9	6.78	-73.18	149	1.4	0.3	232	8	LOS SANTOS (SANTANDER)
4109	Oct 2 2016	15:45:45.2	7.33	-73.26	122	1.5	0.4	174	10	RIONEGRO (SANTANDER)
4110	Oct 2 2016	15:54:43.6	6.99	-73.48	109	1.3	0.4	131	8	SAN VICENTE DE CHUCURI (SANTANDER)
4111	Oct 2 2016	16:19:41.4	6.76	-73.17	149	1.1	0.2	232	6	LOS SANTOS (SANTANDER)
4112	Oct 2 2016	17:14:58.5	2.92	-78.34	32	2.2	0.2	293	8	O. PACIFICO SUR
4113	Oct 2 2016	17:25: 7.1	6.73	-73.19	147	1.5	0.2	227	9	VILLANUEVA (SANTANDER)
4114	Oct 2 2016	18:05:39.1	6.78	-73.11	152	1.4	0.3	141	10	LOS SANTOS (SANTANDER)
4115	Oct 2 2016	18:18: 8.5	7.89	-77.16	Sup	2.1	0.6	178	11	UNGUIA (CHOCO)
4116	Oct 2 2016	18:36:58.7	6.82	-73.14	145	1.3	0.2	136	7	LOS SANTOS (SANTANDER)
4117	Oct 2 2016	19:41:37.6	6.80	-73.22	155	1.4	0.2	127	7	ZAPATOCA (SANTANDER)
4118	Oct 2 2016	19:55: 2.6	6.75	-73.17	153	1.5	0.4	231	9	LOS SANTOS (SANTANDER)
4119	Oct 2 2016	19:57: 0.8	4.68	-76.60	Sup	2.1	0.5	222	18	SIPI (CHOCO)
4120	Oct 2 2016	20:29:46.6	6.79	-73.15	144	2.2	0.5	119	24	LOS SANTOS (SANTANDER)
4121	Oct 2 2016	20:49:57.2	6.78	-73.14	141	1.5	0.2	138	12	LOS SANTOS (SANTANDER)
4122	Oct 2 2016	20:55:34.8	6.81	-73.11	146	1.5	0.3	139	10	LOS SANTOS (SANTANDER)
4123	Oct 2 2016	21:33:11.0	5.57	-73.84	129	2.0	0.6	61	30	CALDAS (BOYACA)
4124	Oct 2 2016	23:54:13.4	7.43	-73.18	133	1.8	0.3	110	10	EL PLAYON (SANTANDER)
4125	Oct 2 2016	23:56:37.8	6.77	-73.14	149	2.1	0.4	138	18	LOS SANTOS (SANTANDER)
4126	Oct 3 2016	00:13: 4.9	1.58	-79.61	Sup	2.8	0.4	285	19	O. PACIFICO SUR
4127	Oct 3 2016	00:26:49.4	6.80	-73.17	151	2.0	0.5	133	27	LOS SANTOS (SANTANDER)
4128	Oct 3 2016	00:54:29.1	6.85	-73.12	151	2.0	0.6	137	23	LOS SANTOS (SANTANDER)
4129	Oct 3 2016	01:09:21.1	5.64	-73.97	112	3.1	0.5	54	64	PAUNA (BOYACA)
4130	Oct 3 2016	02:07:41.5	6.70	-73.24	145	1.3	0.3	217	7	BARICHARA (SANTANDER)
4131	Oct 3 2016	02:11:15.1	6.73	-73.19	155	1.3	0.3	226	8	VILLANUEVA (SANTANDER)
4132	Oct 3 2016	02:19:19.8	5.67	-74.54	Sup	3.0	0.4	50	46	PUERTO TRIUNFO (ANTIOQUIA)
4133	Oct 3 2016	02:23: 1.9	7.77	-72.20	Sup	3.3	0.6	200	33	FRONTERA CON VENEZUELA

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4134	Oct 3 2016	04:00:21.4	6.76	-73.21	146	1.1	0.3	227	7	ZAPATOCA (SANTANDER)
4135	Oct 3 2016	04:10:15.7	7.09	-73.47	117	1.4	0.1	154	8	SAN VICENTE DE CHUCURI (SANTANDER)
4136	Oct 3 2016	04:54: 1.0	4.66	-77.69	Sup	2.1	0.7	244	17	O. PACIFICO CENTRO
4137	Oct 3 2016	05:50:20.0	6.72	-73.19	146	1.2	0.1	177	8	VILLANUEVA (SANTANDER)
4138	Oct 3 2016	05:52: 1.8	6.68	-74.79	44	1.0	0.2	241	7	YALI (ANTIOQUIA)
4139	Oct 3 2016	07:21:10.0	6.87	-73.31	127	1.2	0.5	102	12	BETULIA (SANTANDER)
4140	Oct 3 2016	07:31:56.6	4.51	-76.15	Sup	1.5	0.6	143	14	LA UNION (VALLE)
4141	Oct 3 2016	08:22:10.7	6.81	-73.15	141	2.2	0.3	134	30	LOS SANTOS (SANTANDER)
4142	Oct 3 2016	09:40:59.0	7.19	-76.24	Sup	1.8	0.7	242	10	DABEIBA (ANTIOQUIA)
4143	Oct 3 2016	09:42: 9.5	7.17	-76.28	Sup	1.4	0.4	245	10	MUTATA (ANTIOQUIA)
4144	Oct 3 2016	09:52:47.7	6.80	-73.14	145	3.0	0.5	71	48	LOS SANTOS (SANTANDER)
4145	Oct 3 2016	10:11:57.1	6.77	-73.43	126	0.8	0.1	199	7	SAN VICENTE DE CHUCURI (SANTANDER)
4146	Oct 3 2016	11:08:14.4	6.81	-73.16	144	2.0	0.4	133	26	LOS SANTOS (SANTANDER)
4147	Oct 3 2016	11:40:21.6	6.77	-73.13	138	1.3	0.4	140	10	LOS SANTOS (SANTANDER)
4148	Oct 3 2016	13:02:14.6	7.73	-73.60	103	1.4	0.2	260	11	SAN ALBERTO (CESAR)
4149	Oct 3 2016	13:32:20.5	1.27	-78.12	Sup	2.0	0.3	213	10	RICAUURTE (NARINO)
4150	Oct 3 2016	13:34:33.3	5.82	-75.93	49	1.6	0.4	114	14	HISPANIA (ANTIOQUIA)
4151	Oct 3 2016	13:44:23.9	6.33	-73.62	110	1.6	0.3	107	9	SANTA HELENA DEL OPOON (SANTANDER)
4152	Oct 3 2016	14:13:25.9	6.84	-73.15	139	1.3	0.1	146	8	LOS SANTOS (SANTANDER)
4153	Oct 3 2016	15:01:24.4	6.81	-73.19	130	1.6	0.3	130	14	ZAPATOCA (SANTANDER)
4154	Oct 3 2016	15:46:44.4	6.81	-73.14	136	1.8	0.3	136	17	LOS SANTOS (SANTANDER)
4155	Oct 3 2016	17:00:26.5	6.74	-72.95	140	1.6	0.3	165	8	CEPITA (SANTANDER)
4156	Oct 3 2016	17:54:19.5	6.80	-73.14	147	2.7	0.3	119	42	LOS SANTOS (SANTANDER)
4157	Oct 3 2016	19:17:30.4	6.78	-73.17	145	1.5	0.4	134	12	LOS SANTOS (SANTANDER)
4158	Oct 3 2016	21:03:49.4	2.16	-78.00	83	1.9	0.1	249	8	SANTA BARBARA (NARINO)
4159	Oct 3 2016	22:52: 8.8	2.87	-78.09	Sup	1.7	0.3	176	8	O. PACIFICO SUR
4160	Oct 3 2016	23:09: 1.8	2.04	-75.81	Sup	1.3	0.4	117	9	ALTAMIRA (HUILA)
4161	Oct 3 2016	23:10: 0.8	7.34	-75.46	Sup	2.0	0.4	104	12	VALDIVIA (ANTIOQUIA)
4162	Oct 3 2016	23:14: 8.1	6.75	-73.09	147	1.8	0.3	145	16	LOS SANTOS (SANTANDER)
4163	Oct 3 2016	23:15: 0.9	4.34	-76.14	Sup	1.3	0.3	137	7	BOLIVAR (VALLE)
4164	Oct 3 2016	23:34:37.4	2.40	-75.40	Sup	1.3	0.3	175	10	GIGANTE (HUILA)
4165	Oct 3 2016	23:48:38.4	6.78	-73.12	145	2.5	0.4	68	30	LOS SANTOS (SANTANDER)
4166	Oct 4 2016	00:25:38.8	6.75	-73.19	153	1.1	0.2	133	7	LOS SANTOS (SANTANDER)
4167	Oct 4 2016	00:54:34.0	6.85	-73.25	128	1.3	0.2	168	9	ZAPATOCA (SANTANDER)
4168	Oct 4 2016	01:02:58.6	6.79	-73.12	143	1.5	0.5	140	15	LOS SANTOS (SANTANDER)
4169	Oct 4 2016	01:27:22.2	6.78	-73.17	146	1.4	0.4	133	14	LOS SANTOS (SANTANDER)
4170	Oct 4 2016	01:37:38.1	6.79	-73.12	144	3.1	0.5	67	62	LOS SANTOS (SANTANDER)
4171	Oct 4 2016	01:41:15.3	5.48	-77.49	28	2.2	0.5	167	17	O. PACIFICO CENTRO
4172	Oct 4 2016	01:59: 6.9	6.79	-73.14	144	1.9	0.4	100	25	LOS SANTOS (SANTANDER)
4173	Oct 4 2016	02:01: 7.7	5.42	-73.78	140	1.7	0.5	174	14	FUQUENE (CUNDINAMARCA)
4174	Oct 4 2016	02:09:18.6	6.77	-73.15	149	1.1	0.2	137	8	LOS SANTOS (SANTANDER)
4175	Oct 4 2016	02:44:39.0	6.77	-73.14	148	1.3	0.2	138	8	LOS SANTOS (SANTANDER)
4176	Oct 4 2016	02:44:38.5	6.78	-73.16	153	1.3	0.1	135	8	LOS SANTOS (SANTANDER)
4177	Oct 4 2016	03:03: 5.1	3.66	-74.32	Sup	2.0	0.6	181	26	LEJANIAS (META)
4178	Oct 4 2016	03:32:18.0	9.93	-73.17	115	1.8	0.2	152	8	AGUSTIN CODAZZI (CESAR)
4179	Oct 4 2016	03:31:38.1	6.81	-73.16	141	1.3	0.3	134	7	LOS SANTOS (SANTANDER)
4180	Oct 4 2016	03:45:35.3	6.82	-73.13	146	1.2	0.3	137	9	LOS SANTOS (SANTANDER)
4181	Oct 4 2016	04:07: 3.8	6.82	-73.13	143	3.1	0.5	71	57	LOS SANTOS (SANTANDER)
4182	Oct 4 2016	04:28:30.0	5.62	-72.84	Sup	1.6	0.5	101	14	MONGUI (BOYACA)
4183	Oct 4 2016	05:30:27.8	6.68	-73.18	155	1.2	0.3	136	9	VILLANUEVA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4184	Oct 4 2016	06:07: 7.1	4.44	-76.23	108	1.1	0.2	160	7	EL DOVIO (VALLE)
4185	Oct 4 2016	06:31: 5.9	6.75	-73.19	150	1.2	0.4	133	12	LOS SANTOS (SANTANDER)
4186	Oct 4 2016	06:40:49.3	3.65	-74.37	Sup	1.5	0.6	178	16	CABRERA (CUNDINAMARCA)
4187	Oct 4 2016	06:52:14.9	1.11	-76.37	Sup	1.1	0.4	219	12	PIAMONTE (CAUCA)
4188	Oct 4 2016	07:05:26.9	5.90	-73.75	109	1.1	0.3	141	9	JESUS MARIA (SANTANDER)
4189	Oct 4 2016	07:48:37.1	6.56	-73.54	111	1.8	0.4	65	22	EL CARMEN (SANTANDER)
4190	Oct 4 2016	08:01:12.5	6.78	-73.16	145	1.1	0.3	135	10	LOS SANTOS (SANTANDER)
4191	Oct 4 2016	08:11:49.4	7.95	-74.15	32	0.9	0.6	195	8	SANTA ROSA DEL SUR (BOLIVAR)
4192	Oct 4 2016	08:48:54.2	6.52	-73.57	109	1.1	0.4	92	12	EL CARMEN (SANTANDER)
4193	Oct 4 2016	09:09:55.8	7.35	-73.16	134	1.6	0.4	176	14	RIONEGRO (SANTANDER)
4194	Oct 4 2016	09:24:58.3	6.55	-73.22	122	1.1	0.2	220	8	CABRERA (SANTANDER)
4195	Oct 4 2016	10:10:35.3	7.39	-73.19	132	1.2	0.2	183	10	EL PLAYON (SANTANDER)
4196	Oct 4 2016	11:22:35.6	6.79	-73.13	139	1.3	0.3	138	12	LOS SANTOS (SANTANDER)
4197	Oct 4 2016	11:22:47.7	1.80	-76.09	Sup	0.5	0.2	187	8	PITALITO (HUILA)
4198	Oct 4 2016	11:35:13.8	6.78	-73.15	138	1.6	0.2	136	14	LOS SANTOS (SANTANDER)
4199	Oct 4 2016	12:37:51.8	1.79	-76.10	32	1.5	0.4	188	10	PALESTINA (HUILA)
4200	Oct 4 2016	12:48:58.9	6.79	-73.13	145	2.8	0.4	72	53	LOS SANTOS (SANTANDER)
4201	Oct 4 2016	13:12:34.1	6.80	-73.14	145	1.6	0.3	137	18	LOS SANTOS (SANTANDER)
4202	Oct 4 2016	13:38:24.4	6.81	-73.15	147	2.9	0.4	74	50	LOS SANTOS (SANTANDER)
4203	Oct 4 2016	14:29:35.0	6.84	-73.19	149	1.1	0.3	242	7	ZAPATOCA (SANTANDER)
4204	Oct 4 2016	16:27:20.4	6.82	-73.16	133	1.4	0.3	133	9	LOS SANTOS (SANTANDER)
4205	Oct 4 2016	16:55:33.9	7.65	-72.92	165	1.6	0.1	270	9	ARBOLEDAS (N.SANTANDER)
4206	Oct 4 2016	18:22:49.8	3.69	-76.45	Sup	1.3	0.3	105	12	VIJES (VALLE)
4207	Oct 4 2016	18:36:12.4	6.81	-73.18	144	1.4	0.1	131	8	ZAPATOCA (SANTANDER)
4208	Oct 4 2016	18:36:58.7	6.81	-73.19	133	1.4	0.2	146	7	ZAPATOCA (SANTANDER)
4209	Oct 4 2016	19:46:38.9	7.23	-76.34	Sup	1.5	0.3	270	8	MUTATA (ANTIOQUIA)
4210	Oct 4 2016	21:17: 9.7	11.48	-73.10	Sup	3.1	0.4	206	24	MAR CARIBE
4211	Oct 4 2016	21:24: 9.3	6.47	-76.79	Sup	2.0	0.5	134	24	VIGIA DEL FUERTE (ANTIOQUIA)
4212	Oct 4 2016	22:20: 8.7	5.78	-74.94	16	1.1	0.6	88	12	ARGELIA (ANTIOQUIA)
4213	Oct 4 2016	22:38:35.1	7.52	-74.90	47	1.7	0.3	299	22	ZARAGOZA (ANTIOQUIA)
4214	Oct 4 2016	22:58:19.7	6.91	-76.60	Sup	1.7	0.4	131	24	MURINDO (ANTIOQUIA)
4215	Oct 5 2016	00:30:40.3	6.78	-73.17	148	1.5	0.4	233	11	LOS SANTOS (SANTANDER)
4216	Oct 5 2016	01:01:40.2	6.80	-73.54	26	0.9	0.3	151	10	EL CARMEN (SANTANDER)
4217	Oct 5 2016	01:02: 8.5	3.93	-76.94	30	1.6	0.3	111	13	BUENAVENTURA (VALLE)
4218	Oct 5 2016	01:43:20.7	6.81	-73.17	148	2.4	0.4	69	40	ZAPATOCA (SANTANDER)
4219	Oct 5 2016	02:03: 2.6	5.26	-73.79	145	1.1	0.3	126	7	CUCUNUBA (CUNDINAMARCA)
4220	Oct 5 2016	03:06:57.5	10.28	-73.34	90	2.7	0.5	133	28	SAN DIEGO (CESAR)
4221	Oct 5 2016	03:38:51.9	6.79	-73.21	161	1.4	0.2	274	8	ZAPATOCA (SANTANDER)
4222	Oct 5 2016	03:42:34.1	4.94	-76.31	96	0.9	0.2	196	8	SAN JOSE DEL PALMAR (CHOCO)
4223	Oct 5 2016	04:10:29.8	6.78	-73.11	146	1.5	0.2	141	14	LOS SANTOS (SANTANDER)
4224	Oct 5 2016	04:28:17.4	6.33	-73.57	113	1.4	0.5	84	11	SANTA HELENA DEL OPOON (SANTANDER)
4225	Oct 5 2016	04:34:59.4	6.77	-73.17	139	1.0	0.3	133	7	LOS SANTOS (SANTANDER)
4226	Oct 5 2016	05:06:16.2	6.83	-73.18	150	1.4	0.6	130	11	ZAPATOCA (SANTANDER)
4227	Oct 5 2016	05:47:14.6	2.37	-77.47	78	1.9	0.4	139	16	ARGELIA (CAUCA)
4228	Oct 5 2016	05:47:14.3	2.37	-77.51	79	1.9	0.3	82	20	ARGELIA (CAUCA)
4229	Oct 5 2016	06:37:32.5	6.78	-73.14	151	2.2	0.4	120	27	LOS SANTOS (SANTANDER)
4230	Oct 5 2016	06:43: 0.5	6.80	-73.17	145	1.4	0.4	133	12	LOS SANTOS (SANTANDER)
4231	Oct 5 2016	06:50:51.9	6.80	-73.14	149	1.8	0.4	136	21	LOS SANTOS (SANTANDER)
4232	Oct 5 2016	07:54:58.1	5.26	-73.74	148	2.4	0.4	97	28	CUCUNUBA (CUNDINAMARCA)
4233	Oct 5 2016	08:22:59.8	6.82	-73.16	144	2.5	0.5	133	34	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4234	Oct 5 2016	08:36:0.7	6.55	-73.50	112	1.7	0.3	64	22	EL CARMEN (SANTANDER)
4235	Oct 5 2016	08:39:10.8	4.11	-76.58	98	1.7	0.6	116	20	CALIMA (VALLE)
4236	Oct 5 2016	09:27:41.2	6.65	-73.11	136	1.1	0.2	146	8	VILLANUEVA (SANTANDER)
4237	Oct 5 2016	09:43:31.1	5.29	-73.76	149	1.5	0.4	128	10	CUCUNUBA (CUNDINAMARCA)
4238	Oct 5 2016	10:12:56.0	6.81	-73.20	139	1.3	0.1	129	8	ZAPATOCA (SANTANDER)
4239	Oct 5 2016	10:16:48.7	6.81	-73.11	142	2.2	0.4	139	34	LOS SANTOS (SANTANDER)
4240	Oct 5 2016	10:51:48.2	6.81	-73.14	147	3.1	0.4	65	64	LOS SANTOS (SANTANDER)
4241	Oct 5 2016	11:06:20.8	2.01	-75.83	Sup	1.7	0.3	114	11	SUAZA (HUILA)
4242	Oct 5 2016	12:15:4.6	4.40	-78.58	66	1.7	0.1	299	8	O. PACIFICO CENTRO
4243	Oct 5 2016	13:01:10.8	6.81	-73.18	142	1.6	0.3	131	15	ZAPATOCA (SANTANDER)
4244	Oct 5 2016	18:11:19.4	6.79	-73.06	143	1.5	0.3	148	12	LOS SANTOS (SANTANDER)
4245	Oct 5 2016	18:30:25.9	5.66	-74.68	Sup	1.6	0.4	130	16	PUERTO SALGAR (CUNDINAMARCA)
4246	Oct 5 2016	18:36:26.0	5.26	-77.73	77	2.3	0.2	268	12	O. PACIFICO CENTRO
4247	Oct 5 2016	18:56:54.0	10.50	-74.06	Sup	2.4	0.2	178	8	ALGARROBO (MAGDALENA)
4248	Oct 5 2016	19:05:55.6	6.83	-73.10	145	2.1	0.4	140	24	LOS SANTOS (SANTANDER)
4249	Oct 5 2016	19:16:23.7	7.21	-76.32	Sup	1.7	0.3	265	8	MUTATA (ANTIOQUIA)
4250	Oct 5 2016	19:33:54.0	6.83	-73.16	144	1.5	0.2	278	12	LOS SANTOS (SANTANDER)
4251	Oct 5 2016	20:31:23.1	6.81	-73.16	139	1.6	0.2	133	10	LOS SANTOS (SANTANDER)
4252	Oct 5 2016	21:10:20.2	6.59	-73.23	141	1.5	0.2	97	10	CABRERA (SANTANDER)
4253	Oct 5 2016	22:03:14.2	6.77	-73.14	139	1.6	0.3	137	11	LOS SANTOS (SANTANDER)
4254	Oct 5 2016	22:23:40.2	6.78	-73.15	141	1.7	0.3	136	13	LOS SANTOS (SANTANDER)
4255	Oct 5 2016	22:29:24.0	7.42	-73.19	127	2.4	0.3	109	25	EL PLAYON (SANTANDER)
4256	Oct 5 2016	22:35:16.8	5.85	-74.81	Sup	1.4	0.4	192	9	PUERTO TRIUNFO (ANTIOQUIA)
4257	Oct 5 2016	23:36:25.9	7.52	-73.08	147	1.4	0.2	240	7	EL PLAYON (SANTANDER)
4258	Oct 5 2016	23:57:53.3	7.39	-73.16	145	1.7	0.2	183	12	EL PLAYON (SANTANDER)
4259	Oct 6 2016	00:07:47.5	6.78	-73.13	148	1.3	0.3	238	8	LOS SANTOS (SANTANDER)
4260	Oct 6 2016	00:15:54.3	6.79	-73.12	148	1.8	0.3	140	16	LOS SANTOS (SANTANDER)
4261	Oct 6 2016	00:34:24.5	6.71	-73.24	148	1.5	0.4	203	11	BARICHARA (SANTANDER)
4262	Oct 6 2016	00:47:28.1	6.87	-73.31	122	2.1	0.4	59	38	BETULIA (SANTANDER)
4263	Oct 6 2016	01:05:23.0	6.78	-73.16	144	1.8	0.4	134	24	LOS SANTOS (SANTANDER)
4264	Oct 6 2016	01:39:5.1	6.79	-73.13	142	1.8	0.6	137	24	LOS SANTOS (SANTANDER)
4265	Oct 6 2016	02:33:19.9	7.10	-77.12	68	1.7	0.2	154	10	RIOSUCIO (CHOCO)
4266	Oct 6 2016	02:43:2.5	7.64	-73.11	145	2.1	0.6	146	28	CACHIRA (N.SANTANDER)
4267	Oct 6 2016	03:16:53.7	6.84	-73.08	132	1.1	0.3	247	8	LOS SANTOS (SANTANDER)
4268	Oct 6 2016	03:38:22.7	6.76	-73.16	145	1.4	0.5	181	14	LOS SANTOS (SANTANDER)
4269	Oct 6 2016	03:50:43.2	6.03	-76.71	Sup	1.8	0.6	225	18	MEDIO ATRATO (CHOCO)
4270	Oct 6 2016	03:54:48.1	6.85	-74.83	38	1.1	0.3	228	8	VEGACHI (ANTIOQUIA)
4271	Oct 6 2016	04:31:59.7	0.41	-77.44	Sup	2.4	0.3	161	10	FRONTERA CON ECUADOR
4272	Oct 6 2016	05:06:46.0	5.17	-76.46	69	2.0	0.4	163	30	TADO (CHOCO)
4273	Oct 6 2016	06:07:13.3	6.75	-73.16	144	1.5	0.4	137	14	LOS SANTOS (SANTANDER)
4274	Oct 6 2016	06:07:44.2	6.76	-73.17	138	1.9	0.4	134	18	LOS SANTOS (SANTANDER)
4275	Oct 6 2016	07:06:24.0	5.02	-74.55	56	0.8	0.1	156	8	GUADUAS (CUNDINAMARCA)
4276	Oct 6 2016	07:34:30.6	6.76	-73.15	141	1.2	0.5	234	10	LOS SANTOS (SANTANDER)
4277	Oct 6 2016	07:45:33.3	6.80	-73.14	148	1.3	0.3	137	12	LOS SANTOS (SANTANDER)
4278	Oct 6 2016	08:26:40.5	6.53	-73.51	115	2.2	0.4	53	40	EL CARMEN (SANTANDER)
4279	Oct 6 2016	08:48:33.0	6.20	-73.86	94	1.5	0.4	64	23	LANDAZURI (SANTANDER)
4280	Oct 6 2016	09:08:59.1	7.38	-73.11	Sup	2.3	0.6	109	27	MATANZA (SANTANDER)
4281	Oct 6 2016	09:47:14.7	6.81	-73.15	146	1.9	0.4	135	26	LOS SANTOS (SANTANDER)
4282	Oct 6 2016	09:57:12.8	7.44	-73.18	134	2.3	0.5	97	27	EL PLAYON (SANTANDER)
4283	Oct 6 2016	10:48:40.4	6.64	-73.65	84	1.2	0.3	151	8	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4284	Oct 6 2016	11:32:42.0	6.87	-73.35	116	2.3	0.4	94	40	SAN VICENTE DE CHUCURI (SANTANDER)
4285	Oct 6 2016	11:38: 9.3	4.19	-75.92	155	1.6	0.2	128	12	SEVILLA (VALLE)
4286	Oct 6 2016	11:51:21.3	7.64	-73.78	88	1.6	0.2	203	10	SAN PABLO (BOLIVAR)
4287	Oct 6 2016	12:06:30.0	6.80	-73.16	141	2.4	0.5	117	38	LOS SANTOS (SANTANDER)
4288	Oct 6 2016	15:43: 1.0	7.15	-76.23	Sup	2.6	0.6	140	34	DABEIBA (ANTIOQUIA)
4289	Oct 6 2016	16:27:12.6	7.15	-76.21	Sup	2.0	0.5	139	24	DABEIBA (ANTIOQUIA)
4290	Oct 6 2016	17:31:28.8	9.77	-73.33	95	2.3	0.3	160	10	BECERRIL (CESAR)
4291	Oct 6 2016	17:32:32.8	6.80	-73.13	140	2.0	0.3	138	22	LOS SANTOS (SANTANDER)
4292	Oct 6 2016	17:34:23.0	9.68	-73.25	Sup	2.3	0.5	135	16	BECERRIL (CESAR)
4293	Oct 6 2016	20:21: 4.9	4.52	-78.45	15	1.8	0.1	298	7	O. PACIFICO CENTRO
4294	Oct 6 2016	20:35: 7.7	6.80	-73.10	148	2.1	0.5	142	25	LOS SANTOS (SANTANDER)
4295	Oct 6 2016	20:41:18.9	8.14	-77.53	Sup	2.6	0.5	108	29	FRONTERA CON PANAMA
4296	Oct 6 2016	21:39:27.5	2.55	-75.56	Sup	1.4	0.4	129	14	HOBO (HUILA)
4297	Oct 6 2016	22:12:56.4	6.74	-73.14	132	1.7	0.1	139	7	LOS SANTOS (SANTANDER)
4298	Oct 6 2016	23:13:22.8	5.24	-75.94	112	2.1	0.3	209	13	MISTRATO (RISARALDA)
4299	Oct 6 2016	23:37:54.7	6.80	-73.17	149	1.3	0.2	133	9	LOS SANTOS (SANTANDER)
4300	Oct 7 2016	00:37: 4.8	8.67	-77.57	55	2.6	0.4	140	34	FRONTERA CON PANAMA
4301	Oct 7 2016	02:12:25.2	6.78	-73.12	149	1.5	0.4	256	10	LOS SANTOS (SANTANDER)
4302	Oct 7 2016	02:22:35.6	6.65	-74.66	50	1.2	0.5	105	12	MACEO (ANTIOQUIA)
4303	Oct 7 2016	02:30:26.7	3.19	-78.65	16	2.7	0.7	231	28	O. PACIFICO SUR
4304	Oct 7 2016	02:43:10.9	6.86	-73.35	126	1.9	0.5	147	16	SAN VICENTE DE CHUCURI (SANTANDER)
4305	Oct 7 2016	02:44:57.4	6.79	-73.14	139	1.5	0.5	183	12	LOS SANTOS (SANTANDER)
4306	Oct 7 2016	02:50:37.7	6.78	-73.15	139	1.4	0.4	235	10	LOS SANTOS (SANTANDER)
4307	Oct 7 2016	03:31:19.5	6.79	-73.14	144	1.8	0.5	137	18	LOS SANTOS (SANTANDER)
4308	Oct 7 2016	03:35: 4.0	6.74	-73.15	151	1.4	0.3	138	12	LOS SANTOS (SANTANDER)
4309	Oct 7 2016	03:50:36.7	6.53	-73.53	114	2.0	0.5	64	28	EL CARMEN (SANTANDER)
4310	Oct 7 2016	04:02: 9.9	3.70	-76.01	129	1.2	0.3	178	8	GINEBRA (VALLE)
4311	Oct 7 2016	04:12:33.3	6.79	-73.11	148	1.9	0.5	141	24	LOS SANTOS (SANTANDER)
4312	Oct 7 2016	04:32:29.9	6.77	-73.16	134	1.3	0.4	136	14	LOS SANTOS (SANTANDER)
4313	Oct 7 2016	04:45:19.1	6.78	-73.11	146	2.1	0.4	122	34	LOS SANTOS (SANTANDER)
4314	Oct 7 2016	04:47:21.4	6.80	-73.18	140	2.0	0.3	131	26	ZAPATOCA (SANTANDER)
4315	Oct 7 2016	04:50: 9.5	5.60	-74.35	80	1.2	0.4	102	14	YACOPI (CUNDINAMARCA)
4316	Oct 7 2016	05:25: 1.7	6.74	-73.16	151	1.3	0.4	231	8	LOS SANTOS (SANTANDER)
4317	Oct 7 2016	06:25:15.9	6.81	-73.13	148	1.9	0.5	120	29	LOS SANTOS (SANTANDER)
4318	Oct 7 2016	07:52: 1.0	6.78	-73.12	144	2.1	0.5	121	28	LOS SANTOS (SANTANDER)
4319	Oct 7 2016	08:28:19.9	6.81	-73.15	144	1.8	0.4	135	17	LOS SANTOS (SANTANDER)
4320	Oct 7 2016	08:50:45.1	6.82	-73.18	141	1.9	0.4	130	22	ZAPATOCA (SANTANDER)
4321	Oct 7 2016	08:59:23.4	3.45	-78.51	29	1.7	0.3	332	7	O. PACIFICO SUR
4322	Oct 7 2016	09:16: 7.3	6.80	-73.14	147	2.2	0.3	119	31	LOS SANTOS (SANTANDER)
4323	Oct 7 2016	09:35:26.8	6.81	-73.14	144	2.2	0.4	136	29	LOS SANTOS (SANTANDER)
4324	Oct 7 2016	10:12:50.7	5.27	-73.76	148	2.3	0.5	91	29	CUCUNUBA (CUNDINAMARCA)
4325	Oct 7 2016	10:51:50.2	3.44	-74.22	Sup	2.7	0.5	98	48	MESETAS (META)
4326	Oct 7 2016	11:18:25.0	6.81	-73.15	137	2.7	0.4	70	42	LOS SANTOS (SANTANDER)
4327	Oct 7 2016	13:37:44.3	6.83	-73.17	135	2.1	0.4	131	22	ZAPATOCA (SANTANDER)
4328	Oct 7 2016	13:47:23.0	4.90	-76.70	60	1.4	0.3	278	7	NOVITA (CHOCO)
4329	Oct 7 2016	14:04:28.3	6.79	-73.14	136	1.8	0.5	136	14	LOS SANTOS (SANTANDER)
4330	Oct 7 2016	15:01:52.7	5.64	-73.81	123	1.6	0.4	104	19	CHIQUINQUIRA (BOYACA)
4331	Oct 7 2016	15:13:25.3	6.73	-73.15	140	1.3	0.2	138	7	LOS SANTOS (SANTANDER)
4332	Oct 7 2016	15:17:55.2	6.83	-73.30	117	1.5	0.3	117	11	ZAPATOCA (SANTANDER)
4333	Oct 7 2016	15:48:58.5	6.75	-73.12	142	1.7	0.3	141	14	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4334	Oct 7 2016	16:38:21.4	6.81	-73.18	142	3.1	0.5	69	52	ZAPATOCA (SANTANDER)
4335	Oct 7 2016	18:02: 9.2	6.81	-73.11	147	1.6	0.1	140	8	LOS SANTOS (SANTANDER)
4336	Oct 7 2016	18:08:37.2	6.54	-73.59	109	1.5	0.3	139	8	EL CARMEN (SANTANDER)
4337	Oct 7 2016	18:58:22.0	1.89	-76.06	18	1.6	0.3	123	14	PITALITO (HUILA)
4338	Oct 7 2016	20:31:57.6	6.86	-73.33	142	1.5	0.4	127	7	BETULIA (SANTANDER)
<u>4339</u>	<u>Oct 7 2016</u>	<u>20:34:38.1</u>	<u>4.56</u>	<u>-75.19</u>	<u>Sup</u>	<u>3.6</u>	<u>7.4</u>	<u>83</u>	<u>54</u>	<u>VOLCAN NEVADO DEL RUIZ</u>
4340	Oct 7 2016	21:16:12.2	7.60	-73.35	11	1.7	0.3	109	12	LA ESPERANZA (N.SANTANDER)
4341	Oct 7 2016	21:47:27.1	6.72	-72.97	148	1.6	0.4	163	11	CEPITA (SANTANDER)
4342	Oct 7 2016	22:06: 4.8	6.83	-73.15	142	2.6	0.4	72	43	LOS SANTOS (SANTANDER)
4343	Oct 7 2016	23:07:38.3	6.83	-73.15	147	2.6	0.3	69	44	LOS SANTOS (SANTANDER)
4344	Oct 7 2016	23:20:23.0	6.78	-73.09	148	1.8	0.3	144	20	LOS SANTOS (SANTANDER)
4345	Oct 7 2016	23:22: 8.1	6.75	-73.04	145	1.3	0.4	152	18	JORDAN (SANTANDER)
4346	Oct 7 2016	23:28:21.7	6.80	-73.12	139	1.1	0.1	139	11	LOS SANTOS (SANTANDER)
4347	Oct 7 2016	23:44:59.1	6.80	-73.14	142	1.9	0.4	136	26	LOS SANTOS (SANTANDER)
4348	Oct 8 2016	02:40:58.1	6.90	-73.15	142	1.6	0.3	282	8	BETULIA (SANTANDER)
4349	Oct 8 2016	03:04: 3.0	5.84	-78.13	32	1.8	0.7	238	18	O. PACIFICO NORTE
4350	Oct 8 2016	03:11:51.2	6.80	-73.16	141	2.3	0.4	134	34	LOS SANTOS (SANTANDER)
4351	Oct 8 2016	04:52: 3.9	7.19	-76.17	Sup	1.2	0.4	248	10	DABEIBA (ANTIOQUIA)
4352	Oct 8 2016	05:08:16.1	5.45	-75.98	100	1.9	0.3	148	22	MISTRATO (RISARALDA)
4353	Oct 8 2016	06:20:38.7	6.56	-73.58	112	1.7	0.4	100	19	EL CARMEN (SANTANDER)
4354	Oct 8 2016	06:48: 6.3	3.43	-74.31	Sup	2.2	0.7	145	38	URIBE (META)
4355	Oct 8 2016	07:29:43.8	3.40	-78.57	25	2.8	0.6	239	16	O. PACIFICO SUR
4356	Oct 8 2016	07:47:12.8	7.15	-75.87	13	1.1	0.4	204	10	ITUANGO (ANTIOQUIA)
4357	Oct 8 2016	07:50:42.3	6.52	-73.66	108	1.6	0.2	71	16	SANTA HELENA DEL OPO (SANTANDER)
4358	Oct 8 2016	08:18:46.6	6.81	-73.13	140	1.4	0.5	137	14	LOS SANTOS (SANTANDER)
<u>4359</u>	<u>Oct 8 2016</u>	<u>08:19:33.9</u>	<u>3.15</u>	<u>-78.83</u>	<u>Sup</u>	<u>3.1</u>	<u>0.5</u>	<u>240</u>	<u>29</u>	<u>O. PACIFICO SUR</u>
4360	Oct 8 2016	09:19:38.4	6.76	-73.13	149	1.1	0.3	244	8	LOS SANTOS (SANTANDER)
4361	Oct 8 2016	09:28:47.4	9.89	-73.04	132	2.4	0.5	143	25	AGUSTIN CODAZZI (CESAR)
4362	Oct 8 2016	09:50: 4.6	6.82	-73.12	146	3.2	0.5	120	41	LOS SANTOS (SANTANDER)
4363	Oct 8 2016	10:21:56.2	6.79	-73.16	144	1.6	0.4	135	17	LOS SANTOS (SANTANDER)
4364	Oct 8 2016	11:24: 5.6	6.79	-73.15	141	1.3	0.2	136	9	LOS SANTOS (SANTANDER)
4365	Oct 8 2016	11:38:44.8	6.73	-73.17	142	1.0	0.2	136	8	VILLANUEVA (SANTANDER)
4366	Oct 8 2016	11:51: 1.1	7.10	-76.29	Sup	1.4	0.6	242	12	DABEIBA (ANTIOQUIA)
4367	Oct 8 2016	12:13: 2.4	6.82	-73.21	127	1.3	0.2	126	8	ZAPATOCA (SANTANDER)
4368	Oct 8 2016	12:34:27.2	5.53	-74.18	106	1.4	0.4	82	13	QUIPAMA (BOYACA)
4369	Oct 8 2016	14:44:43.5	4.03	-73.96	Sup	1.7	0.5	140	12	ACACIAS (META)
4370	Oct 8 2016	14:50:42.4	6.51	-75.23	Sup	1.2	0.4	158	8	SANTO DOMINGO (ANTIOQUIA)
4371	Oct 8 2016	14:57:30.3	5.10	-74.57	15	1.4	0.5	74	20	GUADUAS (CUNDINAMARCA)
4372	Oct 8 2016	15:08:51.8	6.45	-76.21	24	1.5	0.5	178	8	URRAO (ANTIOQUIA)
4373	Oct 8 2016	15:11: 4.1	6.80	-73.14	141	3.1	0.4	137	47	LOS SANTOS (SANTANDER)
4374	Oct 8 2016	15:46: 1.5	2.99	-79.28	18	2.3	0.4	290	13	O. PACIFICO SUR
4375	Oct 8 2016	16:04:44.8	6.37	-73.29	Sup	1.7	0.4	125	13	PALMAS DEL SOCORRO (SANTANDER)
4376	Oct 8 2016	18:01:29.0	6.81	-73.13	141	1.5	0.3	138	12	LOS SANTOS (SANTANDER)
4377	Oct 8 2016	18:20:36.0	6.79	-73.14	143	1.8	0.3	137	20	LOS SANTOS (SANTANDER)
4378	Oct 8 2016	20:13:42.0	5.60	-74.36	82	1.4	0.2	103	16	YACOPI (CUNDINAMARCA)
4379	Oct 8 2016	20:29:57.2	6.81	-73.17	138	1.1	0.1	132	8	LOS SANTOS (SANTANDER)
4380	Oct 8 2016	20:37:29.7	6.82	-76.55	Sup	1.7	0.2	257	15	MURINDO (ANTIOQUIA)
4381	Oct 8 2016	21:02:38.9	4.98	-76.88	28	1.3	0.2	253	8	MEDIO BAUDO (CHOCO)
4382	Oct 8 2016	21:08:47.9	9.94	-73.18	119	2.3	0.3	136	18	AGUSTIN CODAZZI (CESAR)
4383	Oct 8 2016	22:00:43.2	7.06	-73.35	108	1.1	0.2	233	12	LEBRIJA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4384	Oct 8 2016	22:55:48.5	6.76	-73.13	142	1.9	0.3	140	14	LOS SANTOS (SANTANDER)
4385	Oct 8 2016	23:49:34.6	6.96	-76.14	Sup	1.6	0.4	135	16	URAMITA (ANTIOQUIA)
4386	Oct 9 2016	00:13:27.8	8.20	-75.51	11	1.6	0.5	267	8	BUENAVISTA (CORDOBA)
4387	Oct 9 2016	00:24:44.9	8.27	-75.08	6	1.6	0.1	230	6	AYAPEL (CORDOBA)
4388	Oct 9 2016	00:50: 1.4	7.44	-73.15	138	1.8	0.5	115	12	EL PLAYON (SANTANDER)
4389	Oct 9 2016	00:59:28.7	7.12	-76.19	Sup	2.0	0.5	220	22	DABEIBA (ANTIOQUIA)
4390	Oct 9 2016	01:23:22.7	6.79	-73.17	145	1.3	0.3	133	10	LOS SANTOS (SANTANDER)
4391	Oct 9 2016	01:28:28.2	6.56	-73.53	106	1.7	0.6	52	21	EL CARMEN (SANTANDER)
4392	Oct 9 2016	01:40: 7.3	6.79	-73.13	150	1.6	0.4	138	14	LOS SANTOS (SANTANDER)
4393	Oct 9 2016	01:49: 1.4	5.32	-74.67	Sup	0.8	0.6	178	7	LA DORADA (CALDAS)
4394	Oct 9 2016	02:01:50.9	5.38	-78.07	32	1.9	0.5	203	15	O. PACIFICO CENTRO
4395	Oct 9 2016	02:26:31.5	6.90	-76.26	Sup	1.6	0.6	222	16	DABEIBA (ANTIOQUIA)
4396	Oct 9 2016	03:19: 1.9	6.76	-73.12	148	1.4	0.2	141	9	LOS SANTOS (SANTANDER)
4397	Oct 9 2016	03:51:26.7	1.91	-75.97	10	1.0	0.3	108	10	TIMANA (HUILA)
4398	Oct 9 2016	04:03:50.1	4.25	-75.94	17	1.7	0.5	119	13	SEVILLA (VALLE)
4399	Oct 9 2016	04:09:11.1	6.60	-73.40	116	1.5	0.7	90	10	HATO (SANTANDER)
4400	Oct 9 2016	04:11:53.5	6.46	-74.27	28	0.8	0.1	145	6	PUERTO BERRIO (ANTIOQUIA)
4401	Oct 9 2016	04:52: 0.4	6.85	-73.18	147	1.1	0.4	277	9	ZAPATOCA (SANTANDER)
4402	Oct 9 2016	04:56:46.8	6.82	-73.16	143	3.2	0.4	67	58	LOS SANTOS (SANTANDER)
4403	Oct 9 2016	05:03:14.8	5.54	-75.69	92	0.7	0.1	182	8	CARAMANTA (ANTIOQUIA)
4404	Oct 9 2016	05:11:16.5	6.78	-73.16	148	1.7	0.2	135	11	LOS SANTOS (SANTANDER)
4405	Oct 9 2016	05:12:14.3	7.21	-77.21	Sup	2.5	0.5	124	26	RIOSUCIO (CHOCO)
4406	Oct 9 2016	05:22: 5.8	10.33	-73.29	12	1.8	0.2	200	7	SAN DIEGO (CESAR)
4407	Oct 9 2016	05:49:55.8	5.51	-74.58	17	1.0	0.4	182	10	PUERTO SALGAR (CUNDINAMARCA)
4408	Oct 9 2016	05:52:42.6	6.81	-73.16	141	1.9	0.3	133	21	LOS SANTOS (SANTANDER)
4409	Oct 9 2016	05:53:57.3	6.89	-73.32	122	2.3	0.5	52	36	BETULIA (SANTANDER)
4410	Oct 9 2016	07:06:11.3	6.58	-73.57	102	2.1	0.5	55	34	EL CARMEN (SANTANDER)
4411	Oct 9 2016	08:24:51.2	2.45	-75.37	16	0.8	0.2	301	8	ALGECIRAS (HUILA)
4412	Oct 9 2016	08:27:11.2	10.92	-72.52	63	1.6	0.0	215	8	FRONTERA CON VENEZUELA
4413	Oct 9 2016	08:46:36.1	9.71	-73.26	115	2.0	0.4	134	16	BECERIL (CESAR)
4414	Oct 9 2016	09:12:41.9	6.58	-73.56	108	1.6	0.5	101	18	EL CARMEN (SANTANDER)
4415	Oct 9 2016	09:22:26.3	5.32	-72.91	Sup	1.6	0.7	139	18	CHAMEZA (CASANARE)
4416	Oct 9 2016	09:25: 9.9	5.32	-72.91	Sup	1.3	0.6	157	10	CHAMEZA (CASANARE)
4417	Oct 9 2016	09:28:20.7	5.37	-72.87	Sup	1.0	0.3	162	10	AQUITANIA (BOYACA)
4418	Oct 9 2016	10:03:38.8	6.64	-77.00	8	1.8	0.4	145	20	VIGIA DEL FUERTE (ANTIOQUIA)
4419	Oct 9 2016	10:18:51.4	2.04	-77.27	117	1.6	0.3	201	10	BALBOA (CAUCA)
4420	Oct 9 2016	10:23:54.0	6.81	-73.17	143	1.3	0.3	133	14	LOS SANTOS (SANTANDER)
4421	Oct 9 2016	10:35:33.0	7.30	-76.63	Sup	1.8	0.5	271	10	MUTATA (ANTIOQUIA)
4422	Oct 9 2016	10:55:50.7	6.85	-73.14	146	2.7	0.5	64	50	LOS SANTOS (SANTANDER)
4423	Oct 9 2016	11:30:35.8	2.40	-76.05	83	1.1	0.6	145	8	INZA (CAUCA)
4424	Oct 9 2016	12:33:13.4	6.79	-73.13	141	1.7	0.3	138	16	LOS SANTOS (SANTANDER)
4425	Oct 9 2016	12:54:24.3	2.93	-76.35	Sup	1.6	0.3	163	8	TORIBIO (CAUCA)
4426	Oct 9 2016	13:11:26.3	6.76	-73.17	148	1.2	0.2	240	7	LOS SANTOS (SANTANDER)
4427	Oct 9 2016	13:29:45.9	6.82	-73.17	143	2.0	0.4	132	24	ZAPATOCA (SANTANDER)
4428	Oct 9 2016	13:30:53.7	6.79	-73.18	139	1.6	0.3	132	13	LOS SANTOS (SANTANDER)
4429	Oct 9 2016	14:16: 2.8	6.82	-73.15	142	3.3	0.4	64	66	LOS SANTOS (SANTANDER)
4430	Oct 9 2016	15:19:10.1	4.21	-75.34	11	1.4	0.4	118	11	ROVIRA (TOLIMA)
4431	Oct 9 2016	15:20:51.4	6.80	-73.15	141	1.9	0.4	135	20	LOS SANTOS (SANTANDER)
4432	Oct 9 2016	15:23:28.3	6.81	-73.15	145	2.5	0.3	64	45	LOS SANTOS (SANTANDER)
4433	Oct 9 2016	15:55:34.4	6.62	-73.60	100	1.1	0.2	148	8	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4434	Oct 9 2016	15:56:46.5	6.81	-73.16	144	2.1	0.4	134	21	LOS SANTOS (SANTANDER)
4435	Oct 9 2016	15:58:33.1	5.82	-76.43	Sup	2.1	0.5	201	20	QUIBDO (CHOCO)
4436	Oct 9 2016	16:01:30.0	6.82	-73.14	147	2.4	0.5	136	33	LOS SANTOS (SANTANDER)
4437	Oct 9 2016	16:10: 6.5	6.84	-73.12	144	1.7	0.4	247	18	LOS SANTOS (SANTANDER)
4438	Oct 9 2016	16:26:23.2	6.81	-73.16	147	1.5	0.3	133	14	LOS SANTOS (SANTANDER)
4439	Oct 9 2016	17:03:24.4	6.81	-73.17	141	2.3	0.4	133	30	LOS SANTOS (SANTANDER)
4440	Oct 9 2016	17:06:12.8	7.19	-76.25	Sup	1.8	0.5	243	12	MUTATA (ANTIOQUIA)
4441	Oct 9 2016	17:59:17.8	6.79	-73.14	140	1.7	0.3	137	14	LOS SANTOS (SANTANDER)
4442	Oct 9 2016	18:05:48.2	6.81	-73.15	140	2.8	0.4	70	38	LOS SANTOS (SANTANDER)
4443	Oct 9 2016	18:37:30.7	3.60	-74.48	Sup	1.9	0.5	158	27	VILLARRICA (TOLIMA)
4444	Oct 9 2016	18:49:50.0	7.10	-76.24	Sup	1.2	0.4	239	10	DABEIBA (ANTIOQUIA)
4445	Oct 9 2016	18:49:52.8	11.52	-72.33	Sup	2.5	0.3	182	10	MANAURE BALCON CESAR (CESAR)
4446	Oct 9 2016	19:35:52.5	6.81	-73.11	152	3.6	0.5	68	76	LOS SANTOS (SANTANDER)
4447	Oct 9 2016	20:26:40.4	6.79	-73.13	136	1.6	0.4	138	19	LOS SANTOS (SANTANDER)
4448	Oct 9 2016	20:46:58.5	7.15	-76.30	Sup	1.3	0.4	245	10	MUTATA (ANTIOQUIA)
4449	Oct 9 2016	21:10:37.1	6.46	-73.47	104	1.5	0.2	120	16	SIMACOTA (SANTANDER)
4450	Oct 9 2016	21:13:34.5	6.85	-73.12	157	1.6	0.3	281	16	LOS SANTOS (SANTANDER)
4451	Oct 9 2016	21:15:22.5	7.11	-73.87	80	1.5	0.2	196	15	BARRANCABERMEJA (SANTANDER)
4452	Oct 9 2016	22:03:45.7	7.23	-76.30	Sup	2.0	0.6	149	24	MUTATA (ANTIOQUIA)
4453	Oct 9 2016	22:06:44.6	7.24	-76.34	Sup	1.4	0.1	274	8	MUTATA (ANTIOQUIA)
4454	Oct 9 2016	23:02:32.7	6.79	-73.16	140	1.4	0.2	134	10	LOS SANTOS (SANTANDER)
4455	Oct 9 2016	23:19: 8.5	6.81	-73.07	149	2.2	0.3	125	33	LOS SANTOS (SANTANDER)
4456	Oct 9 2016	23:36:33.2	7.31	-73.09	14	1.1	0.0	171	8	RIONEGRO (SANTANDER)
4457	Oct 9 2016	23:44:57.6	7.48	-73.85	74	2.1	0.5	95	28	SAN PABLO (BOLIVAR)
4458	Oct 10 2016	00:02:48.1	6.80	-73.15	144	2.4	0.4	135	39	LOS SANTOS (SANTANDER)
4459	Oct 10 2016	00:06: 8.9	6.82	-73.16	142	2.2	0.5	133	36	LOS SANTOS (SANTANDER)
4460	Oct 10 2016	00:16:44.3	5.37	-74.63	21	1.2	0.5	70	16	LA DORADA (CALDAS)
4461	Oct 10 2016	00:23:43.3	6.83	-73.13	144	2.8	0.4	136	47	LOS SANTOS (SANTANDER)
4462	Oct 10 2016	00:54:41.5	6.80	-73.19	141	1.6	0.4	130	14	ZAPATOCA (SANTANDER)
4463	Oct 10 2016	02:58:11.6	7.18	-76.28	Sup	1.1	0.5	245	10	MUTATA (ANTIOQUIA)
4464	Oct 10 2016	03:06:25.5	7.18	-76.23	Sup	1.7	0.3	241	16	DABEIBA (ANTIOQUIA)
4465	Oct 10 2016	04:31: 0.9	6.82	-73.18	141	2.3	0.4	68	32	ZAPATOCA (SANTANDER)
4466	Oct 10 2016	04:49:17.8	7.07	-76.13	Sup	1.2	0.6	167	12	DABEIBA (ANTIOQUIA)
4467	Oct 10 2016	06:10:36.3	6.87	-73.12	141	1.5	0.4	135	14	LOS SANTOS (SANTANDER)
4468	Oct 10 2016	06:33:34.2	6.94	-72.90	101	1.4	0.3	304	7	SANTA BARBARA (SANTANDER)
4469	Oct 10 2016	07:12:27.9	6.77	-73.19	142	1.7	0.2	141	14	ZAPATOCA (SANTANDER)
4470	Oct 10 2016	08:21:57.0	6.84	-73.08	132	1.4	0.6	143	11	LOS SANTOS (SANTANDER)
4471	Oct 10 2016	09:00:57.2	6.76	-73.18	130	1.4	0.4	133	14	LOS SANTOS (SANTANDER)
4472	Oct 10 2016	09:06:42.0	6.79	-73.15	140	1.6	0.4	135	18	LOS SANTOS (SANTANDER)
4473	Oct 10 2016	09:08: 4.8	6.54	-73.63	94	1.1	0.1	136	7	EL CARMEN (SANTANDER)
4474	Oct 10 2016	09:21:31.7	6.83	-73.12	139	1.9	0.5	137	30	LOS SANTOS (SANTANDER)
4475	Oct 10 2016	10:07:29.2	7.24	-76.14	Sup	2.4	0.6	144	33	DABEIBA (ANTIOQUIA)
4476	Oct 10 2016	10:10:27.9	5.23	-73.73	146	1.6	0.2	106	10	CUCUNUBA (CUNDINAMARCA)
4477	Oct 10 2016	10:38:12.0	5.59	-76.08	50	1.3	0.3	180	10	BETANIA (ANTIOQUIA)
4478	Oct 10 2016	11:08:58.1	6.75	-73.20	138	1.1	0.3	236	7	VILLANUEVA (SANTANDER)
4479	Oct 10 2016	11:51:57.6	6.73	-73.16	145	1.8	0.5	137	19	VILLANUEVA (SANTANDER)
4480	Oct 10 2016	13:40:44.5	6.80	-73.16	144	1.9	0.4	134	19	LOS SANTOS (SANTANDER)
4481	Oct 10 2016	14:19:53.1	5.66	-73.39	Sup	2.1	0.6	143	22	COMBITA (BOYACA)
4482	Oct 10 2016	14:50:18.5	6.73	-73.25	137	1.4	0.4	218	8	ZAPATOCA (SANTANDER)
4483	Oct 10 2016	14:57:42.9	6.83	-73.16	146	1.2	0.2	244	7	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4484	Oct 10 2016	16:04:53.2	7.17	-76.21	Sup	2.0	0.6	228	20	DABEIBA (ANTIOQUIA)
4485	Oct 10 2016	16:46: 1.4	2.88	-78.05	8	1.9	0.7	159	14	O. PACIFICO SUR
4486	Oct 10 2016	17:32: 9.5	6.84	-73.17	141	1.5	0.2	243	10	ZAPATOCA (SANTANDER)
<u>4487</u>	<u>Oct 10 2016</u>	<u>17:59:50.9</u>	<u>3.09</u>	<u>-78.80</u>	<u>6</u>	<u>3.6</u>	<u>0.8</u>	<u>197</u>	<u>60</u>	<u>O. PACIFICO SUR</u>
4488	Oct 10 2016	18:01:53.2	5.02	-76.64	62	2.6	0.5	233	17	CONDOTO (CHOCO)
4489	Oct 10 2016	18:41:34.2	7.31	-73.19	130	1.6	0.4	171	10	RIONEGRO (SANTANDER)
4490	Oct 10 2016	20:26:39.1	3.13	-78.68	14	3.0	0.4	235	20	O. PACIFICO SUR
4491	Oct 10 2016	21:32:10.4	7.90	-73.07	Sup	1.4	0.2	183	8	VILLA CARO (N.SANTANDER)
4492	Oct 10 2016	22:39: 4.1	3.73	-77.91	Sup	3.5	0.5	203	58	O. PACIFICO SUR
4493	Oct 10 2016	23:09:15.3	1.86	-76.07	11	1.9	0.2	120	19	PITALITO (HUILA)
4494	Oct 10 2016	23:11:56.7	6.79	-73.15	150	2.0	0.4	208	15	LOS SANTOS (SANTANDER)
4495	Oct 10 2016	23:21:56.9	6.75	-73.14	148	1.6	0.3	234	10	LOS SANTOS (SANTANDER)
4496	Oct 11 2016	01:04:24.8	6.79	-73.12	144	2.2	0.4	67	26	LOS SANTOS (SANTANDER)
4497	Oct 11 2016	01:22:40.9	6.78	-73.14	144	2.3	0.4	72	37	LOS SANTOS (SANTANDER)
4498	Oct 11 2016	01:49: 3.3	6.84	-73.16	134	1.4	0.4	132	11	ZAPATOCA (SANTANDER)
4499	Oct 11 2016	01:54:27.4	6.73	-73.15	140	1.6	0.5	138	12	LOS SANTOS (SANTANDER)
4500	Oct 11 2016	03:05:31.8	6.50	-73.69	99	2.2	0.4	48	30	SANTA HELENA DEL OPOON (SANTANDER)
4501	Oct 11 2016	03:49:51.5	6.77	-73.20	148	1.5	0.5	229	12	ZAPATOCA (SANTANDER)
4502	Oct 11 2016	04:52:34.3	9.04	-73.80	101	2.3	0.6	120	18	EL PENON (BOLIVAR)
4503	Oct 11 2016	05:29:25.4	6.79	-73.13	144	1.5	0.5	138	12	LOS SANTOS (SANTANDER)
4504	Oct 11 2016	06:43:36.4	6.77	-73.14	141	2.1	0.5	72	25	LOS SANTOS (SANTANDER)
4505	Oct 11 2016	07:17:38.8	6.79	-73.13	142	1.7	0.5	72	17	LOS SANTOS (SANTANDER)
4506	Oct 11 2016	07:29: 9.2	7.37	-73.18	132	1.9	0.3	103	12	EL PLAYON (SANTANDER)
4507	Oct 11 2016	08:16:56.7	6.66	-73.21	146	1.0	0.3	218	8	BARICHARA (SANTANDER)
4508	Oct 11 2016	08:26:24.8	10.23	-74.50	39	1.7	0.4	176	12	ZAPAYAN (MAGDALENA)
4509	Oct 11 2016	08:43: 3.7	5.30	-73.83	128	1.2	0.3	120	11	UBATE (CUNDINAMARCA)
4510	Oct 11 2016	08:55:47.7	7.13	-77.90	20	1.8	0.6	193	14	O. PACIFICO NORTE
4511	Oct 11 2016	09:07: 2.1	3.23	-78.77	23	2.2	0.6	289	14	O. PACIFICO SUR
4512	Oct 11 2016	11:07: 7.1	3.99	-75.55	Sup	1.6	0.5	65	19	RONCESVALLES (TOLIMA)
4513	Oct 11 2016	11:16:54.2	3.06	-78.71	32	2.8	0.8	286	16	O. PACIFICO SUR
4514	Oct 11 2016	11:17: 7.3	6.80	-73.16	141	1.8	0.2	134	18	LOS SANTOS (SANTANDER)
4515	Oct 11 2016	11:28:40.3	11.19	-73.32	45	1.6	0.2	194	8	LA PAZ (CESAR)
4516	Oct 11 2016	12:39:46.3	6.82	-73.16	141	2.2	0.4	133	32	LOS SANTOS (SANTANDER)
4517	Oct 11 2016	13:02:10.6	6.75	-73.16	143	1.4	0.3	150	10	LOS SANTOS (SANTANDER)
4518	Oct 11 2016	13:26:56.0	10.86	-72.77	30	1.7	0.1	161	8	MANAURE BALCON CESAR (CESAR)
4519	Oct 11 2016	13:21:35.0	6.81	-73.16	148	1.6	0.5	134	16	LOS SANTOS (SANTANDER)
4520	Oct 11 2016	13:48:47.8	6.85	-75.51	10	2.5	0.4	76	32	YARUMAL (ANTIOQUIA)
4521	Oct 11 2016	14:28:45.5	5.84	-76.53	Sup	1.4	0.3	283	8	QUIBDO (CHOCO)
4522	Oct 11 2016	14:42:11.1	6.78	-73.13	141	1.5	0.3	139	16	LOS SANTOS (SANTANDER)
4523	Oct 11 2016	15:28:58.8	6.46	-73.95	25	1.6	0.4	65	20	CIMITARRA (SANTANDER)
4524	Oct 11 2016	15:45:57.4	5.29	-73.73	143	2.0	0.4	157	18	LENGUAZQUE (CUNDINAMARCA)
4525	Oct 11 2016	17:30:19.9	7.32	-73.20	129	1.6	0.2	172	13	RIONEGRO (SANTANDER)
4526	Oct 11 2016	18:25:52.0	6.80	-73.15	144	2.5	0.4	71	43	LOS SANTOS (SANTANDER)
4527	Oct 11 2016	19:11: 4.2	10.33	-72.86	Sup	1.7	0.2	182	10	FRONTERA CON VENEZUELA
4528	Oct 11 2016	22:45:53.7	6.53	-73.56	111	1.5	0.5	62	16	EL CARMEN (SANTANDER)
4529	Oct 11 2016	23:35:39.4	6.78	-73.13	146	2.0	0.4	139	18	LOS SANTOS (SANTANDER)
4530	Oct 12 2016	00:13: 3.6	6.68	-73.23	154	1.3	0.4	217	8	BARICHARA (SANTANDER)
4531	Oct 12 2016	00:37:49.1	7.14	-76.23	Sup	1.9	0.5	239	20	DABEIBA (ANTIOQUIA)
4532	Oct 12 2016	00:42:21.2	6.75	-73.14	150	1.4	0.4	235	11	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4533	Oct 12 2016	01:10:31.5	6.78	-73.16	144	1.5	0.4	234	10	LOS SANTOS (SANTANDER)
4534	Oct 12 2016	01:28: 9.2	6.39	-76.09	15	1.7	0.5	163	17	URRAO (ANTIOQUIA)
4535	Oct 12 2016	01:45:19.4	6.78	-73.14	145	1.7	0.4	138	16	LOS SANTOS (SANTANDER)
4536	Oct 12 2016	02:37: 8.8	6.79	-73.17	148	2.1	0.4	64	29	LOS SANTOS (SANTANDER)
4537	Oct 12 2016	03:19:56.4	6.76	-73.10	139	1.3	0.4	143	13	LOS SANTOS (SANTANDER)
4538	Oct 12 2016	03:24:45.7	6.85	-73.13	146	1.9	0.4	70	26	LOS SANTOS (SANTANDER)
4539	Oct 12 2016	03:42:19.1	2.37	-75.67	21	1.6	0.2	168	8	GIGANTE (HUILA)
4540	Oct 12 2016	03:43:43.1	8.31	-73.42	108	2.0	0.5	115	20	RIO DE ORO (CESAR)
4541	Oct 12 2016	03:49:29.3	6.91	-76.27	Sup	2.1	0.6	224	24	DABEIBA (ANTIOQUIA)
4542	Oct 12 2016	03:59:29.7	6.75	-73.12	142	1.7	0.4	236	10	LOS SANTOS (SANTANDER)
4543	Oct 12 2016	04:46:52.8	3.20	-77.58	Sup	1.1	0.6	126	12	O. PACIFICO SUR
4544	Oct 12 2016	05:22:10.3	6.86	-76.69	15	2.1	0.5	266	16	MURINDO (ANTIOQUIA)
4545	Oct 12 2016	05:32:42.8	6.81	-73.17	150	1.4	0.5	236	12	ZAPATOCA (SANTANDER)
4546	Oct 12 2016	05:35:54.5	6.78	-73.12	147	1.9	0.4	185	14	LOS SANTOS (SANTANDER)
4547	Oct 12 2016	06:21: 5.7	6.76	-73.13	153	1.4	0.3	237	8	LOS SANTOS (SANTANDER)
4548	Oct 12 2016	06:21:18.3	7.15	-76.25	Sup	1.0	0.4	241	9	DABEIBA (ANTIOQUIA)
4549	Oct 12 2016	06:36:42.9	5.38	-73.76	148	1.9	0.4	172	22	FUQUENE (CUNDINAMARCA)
4550	Oct 12 2016	07:28:40.6	6.56	-73.59	111	1.4	0.6	94	10	EL CARMEN (SANTANDER)
4551	Oct 12 2016	07:33: 6.3	7.69	-73.69	95	2.3	0.5	102	32	SAN ALBERTO (CESAR)
4552	Oct 12 2016	07:50:32.6	6.79	-73.15	142	1.1	0.3	136	9	LOS SANTOS (SANTANDER)
4553	Oct 12 2016	07:55: 1.5	6.79	-73.09	147	1.8	0.4	143	24	LOS SANTOS (SANTANDER)
4554	Oct 12 2016	08:06: 0.2	4.02	-75.61	Sup	0.9	0.3	154	8	RONCESVALES (TOLIMA)
4555	Oct 12 2016	08:37:22.4	6.80	-73.14	143	1.9	0.4	136	22	LOS SANTOS (SANTANDER)
4556	Oct 12 2016	08:38:38.6	5.19	-74.77	25	1.3	0.4	216	10	HONDA (TOLIMA)
4557	Oct 12 2016	08:49:25.4	6.95	-76.65	Sup	1.6	0.5	265	20	MURINDO (ANTIOQUIA)
4558	Oct 12 2016	10:00:37.1	3.82	-76.19	118	1.3	0.3	163	11	BUGA (VALLE)
4559	Oct 12 2016	10:03:52.3	6.78	-73.11	141	1.7	0.4	141	26	LOS SANTOS (SANTANDER)
4560	Oct 12 2016	10:25:26.0	3.10	-78.81	Sup	2.4	0.3	277	13	O. PACIFICO SUR
4561	Oct 12 2016	10:27: 8.9	6.82	-73.14	149	2.7	0.4	70	54	LOS SANTOS (SANTANDER)
4562	Oct 12 2016	11:57:31.1	6.94	-76.33	10	1.2	0.4	241	10	DABEIBA (ANTIOQUIA)
4563	Oct 12 2016	12:13:45.4	6.77	-73.16	147	1.5	0.3	135	12	LOS SANTOS (SANTANDER)
4564	Oct 12 2016	12:47:57.2	6.78	-73.18	145	1.1	0.3	132	10	LOS SANTOS (SANTANDER)
4565	Oct 12 2016	12:51:36.9	6.39	-73.39	21	1.2	0.4	101	14	CHIMA (SANTANDER)
4566	Oct 12 2016	13:10: 7.3	6.76	-73.12	151	2.0	0.2	141	22	LOS SANTOS (SANTANDER)
4567	Oct 12 2016	13:13:10.0	6.76	-73.09	153	1.7	0.3	145	20	LOS SANTOS (SANTANDER)
4568	Oct 12 2016	13:38: 0.6	6.91	-73.24	122	1.7	0.2	237	13	BETULIA (SANTANDER)
4569	Oct 12 2016	14:22:45.4	6.79	-73.15	147	1.6	0.3	136	16	LOS SANTOS (SANTANDER)
4570	Oct 12 2016	14:36:25.2	6.80	-73.14	146	2.5	0.3	101	39	LOS SANTOS (SANTANDER)
4571	Oct 12 2016	15:09: 2.8	5.42	-74.11	113	1.7	0.2	89	23	PAIME (CUNDINAMARCA)
4572	Oct 12 2016	15:23:15.6	5.59	-74.79	Sup	1.9	0.4	77	32	NORCASIA (CALDAS)
4573	Oct 12 2016	16:20:32.8	6.69	-73.09	148	1.4	0.2	244	11	JORDAN (SANTANDER)
4574	Oct 12 2016	16:31:46.7	6.97	-75.31	10	2.1	0.5	71	27	CAMPAMENTO (ANTIOQUIA)
4575	Oct 12 2016	18:15:44.3	6.80	-73.12	153	1.4	0.2	140	9	LOS SANTOS (SANTANDER)
4576	Oct 12 2016	18:49:53.5	6.88	-73.09	155	2.4	0.6	120	36	PIEDECUESTA (SANTANDER)
4577	Oct 12 2016	19:02:38.4	6.82	-73.11	150	2.4	0.5	140	37	LOS SANTOS (SANTANDER)
4578	Oct 12 2016	21:38:43.2	4.76	-76.04	117	1.5	0.3	119	8	ANSERMANUEVO (VALLE)
4579	Oct 12 2016	23:29:13.4	6.36	-74.41	88	1.5	0.3	77	14	PUERTO BERRIO (ANTIOQUIA)
4580	Oct 12 2016	23:46:40.9	6.77	-73.12	147	1.5	0.3	141	9	LOS SANTOS (SANTANDER)
4581	Oct 12 2016	23:59:10.0	6.81	-73.17	154	1.3	0.4	235	8	LOS SANTOS (SANTANDER)
4582	Oct 13 2016	00:07:43.7	6.73	-73.13	146	1.7	0.4	92	16	JORDAN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4583	Oct 13 2016	00:35:20.3	6.78	-73.14	147	1.9	0.4	138	18	LOS SANTOS (SANTANDER)
4584	Oct 13 2016	00:52:33.6	6.86	-73.16	142	1.2	0.5	148	8	ZAPATOCA (SANTANDER)
4585	Oct 13 2016	02:06:37.2	3.23	-76.79	Sup	1.3	0.4	125	17	JAMUNDI (VALLE)
4586	Oct 13 2016	02:32:42.6	6.70	-73.10	140	1.4	0.4	146	13	JORDAN (SANTANDER)
4587	Oct 13 2016	02:47:42.7	6.80	-73.14	142	2.0	0.4	71	35	LOS SANTOS (SANTANDER)
4588	Oct 13 2016	03:39:56.5	6.74	-73.14	144	1.3	0.5	139	13	LOS SANTOS (SANTANDER)
4589	Oct 13 2016	04:15:24.1	6.79	-73.09	146	1.4	0.4	144	14	LOS SANTOS (SANTANDER)
4590	Oct 13 2016	04:43:16.3	5.34	-76.76	9	1.5	0.4	212	13	EL CANTON DEL SAN PABL (CHOCO)
4591	Oct 13 2016	05:11:25.2	2.61	-75.10	Sup	2.5	0.7	155	44	RIVERA (HUILA)
4592	Oct 13 2016	05:19: 9.6	6.78	-73.08	150	1.6	0.4	146	16	LOS SANTOS (SANTANDER)
4593	Oct 13 2016	05:32: 6.7	2.46	-75.47	Sup	2.1	0.6	135	26	GIGANTE (HUILA)
4594	Oct 13 2016	05:37:26.0	6.79	-73.15	144	2.2	0.3	71	19	LOS SANTOS (SANTANDER)
4595	Oct 13 2016	06:15:10.9	6.79	-73.14	146	1.4	0.4	137	15	LOS SANTOS (SANTANDER)
4596	Oct 13 2016	06:26: 8.4	6.04	-74.19	87	1.1	0.2	138	9	LA BELLEZA (SANTANDER)
4597	Oct 13 2016	06:43:23.2	6.78	-73.17	143	1.5	0.4	99	15	LOS SANTOS (SANTANDER)
4598	Oct 13 2016	06:56: 8.5	6.81	-73.14	146	2.2	0.4	70	39	LOS SANTOS (SANTANDER)
4599	Oct 13 2016	06:58:51.6	6.77	-73.13	141	2.3	0.4	66	36	LOS SANTOS (SANTANDER)
4600	Oct 13 2016	07:02:52.2	6.72	-73.09	120	0.9	0.5	147	10	JORDAN (SANTANDER)
4601	Oct 13 2016	07:05:21.7	6.84	-73.19	139	0.7	0.3	149	6	ZAPATOCA (SANTANDER)
4602	Oct 13 2016	07:05:40.3	2.02	-75.93	20	1.1	0.2	131	9	ELIAS (HUILA)
4603	Oct 13 2016	07:13:56.8	6.87	-73.17	137	0.8	0.2	244	7	ZAPATOCA (SANTANDER)
4604	Oct 13 2016	07:15:40.4	6.80	-73.15	150	1.3	0.3	135	14	LOS SANTOS (SANTANDER)
4605	Oct 13 2016	07:27:40.9	6.79	-73.18	137	0.8	0.2	132	6	ZAPATOCA (SANTANDER)
4606	Oct 13 2016	07:40:29.9	6.81	-73.15	145	1.4	0.4	238	14	LOS SANTOS (SANTANDER)
4607	Oct 13 2016	07:59:37.0	7.05	-76.13	Sup	0.9	0.5	159	12	DABEIBA (ANTIOQUIA)
4608	Oct 13 2016	08:54:30.0	6.75	-73.14	130	1.4	0.4	139	16	LOS SANTOS (SANTANDER)
4609	Oct 13 2016	08:56:14.7	7.62	-73.44	117	1.2	0.3	206	8	LA ESPERANZA (N.SANTANDER)
4610	Oct 13 2016	09:32: 1.3	6.81	-73.15	147	1.5	0.3	135	22	LOS SANTOS (SANTANDER)
4611	Oct 13 2016	10:18:36.9	7.24	-73.12	143	1.7	0.3	101	18	RIONEGRO (SANTANDER)
4612	Oct 13 2016	10:21:20.2	5.34	-72.93	15	1.1	0.1	156	7	CHAMEZA (CASANARE)
4613	Oct 13 2016	10:44: 2.9	6.87	-76.71	Sup	3.0	0.5	86	66	MURINDO (ANTIOQUIA)
4614	Oct 13 2016	11:00:17.4	5.24	-74.63	Sup	1.4	0.5	134	19	HONDA (TOLIMA)
4615	Oct 13 2016	11:06:16.4	6.82	-73.12	145	2.1	0.3	104	24	LOS SANTOS (SANTANDER)
4616	Oct 13 2016	11:14:37.3	4.49	-76.26	40	1.8	0.5	155	28	EL DOVIO (VALLE)
4617	Oct 13 2016	11:21:45.1	6.81	-73.15	142	2.4	0.4	134	24	LOS SANTOS (SANTANDER)
4618	Oct 13 2016	12:22:41.9	4.54	-74.69	Sup	1.3	0.3	203	8	JERUSALEN (CUNDINAMARCA)
4619	Oct 13 2016	13:29:56.0	6.76	-73.15	146	1.5	0.4	137	12	LOS SANTOS (SANTANDER)
4620	Oct 13 2016	13:37:54.2	6.80	-73.20	143	1.3	0.3	232	10	ZAPATOCA (SANTANDER)
4621	Oct 13 2016	14:42:16.1	6.79	-73.14	148	1.6	0.5	138	17	LOS SANTOS (SANTANDER)
4622	Oct 13 2016	16:34:33.3	6.73	-73.05	144	1.6	0.2	151	8	JORDAN (SANTANDER)
4623	Oct 13 2016	16:34:53.2	8.62	-73.56	124	2.2	0.4	120	21	PELAYA (CESAR)
4624	Oct 13 2016	16:45:43.6	8.90	-74.91	65	2.2	0.1	167	14	SAN BENITO ABAD (SUCRE)
4625	Oct 13 2016	16:54:27.3	6.73	-73.14	142	1.5	0.4	140	10	LOS SANTOS (SANTANDER)
4626	Oct 13 2016	16:55:56.1	5.92	-73.76	110	1.1	0.1	219	8	SUCRE (SANTANDER)
4627	Oct 13 2016	18:27:43.1	6.88	-76.75	Sup	1.8	0.6	148	13	MURINDO (ANTIOQUIA)
4628	Oct 13 2016	18:38:51.9	4.03	-76.92	11	1.9	0.4	129	14	BUENAVENTURA (VALLE)
4629	Oct 13 2016	19:44:48.4	7.82	-73.65	88	1.5	0.3	265	12	SAN MARTIN (CESAR)
4630	Oct 13 2016	23:20:28.0	4.68	-76.03	53	1.8	0.3	108	17	TORO (VALLE)
4631	Oct 13 2016	23:22:57.2	6.78	-73.19	140	1.3	0.4	230	7	ZAPATOCA (SANTANDER)
4632	Oct 14 2016	01:13:47.2	2.61	-75.71	16	2.1	0.3	81	20	IQUIRA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4633	Oct 14 2016	01:30:40.9	6.05	-73.70	118	1.8	0.4	118	14	VELEZ (SANTANDER)
4634	Oct 14 2016	02:47: 4.6	4.28	-76.22	136	1.8	0.6	98	18	BOLIVAR (VALLE)
4635	Oct 14 2016	03:39:25.2	7.18	-76.32	27	1.5	0.6	271	9	MUTATA (ANTIOQUIA)
4636	Oct 14 2016	03:43:55.0	7.90	-72.67	Sup	2.4	0.8	71	31	SANTIAGO (N.SANTANDER)
4637	Oct 14 2016	03:46:49.6	2.35	-75.68	17	1.6	0.3	96	13	PAICOL (HUILA)
4638	Oct 14 2016	03:58:41.8	6.79	-73.19	142	1.1	0.4	232	8	ZAPATOCA (SANTANDER)
4639	Oct 14 2016	04:02: 4.2	6.52	-73.60	107	1.3	0.3	91	12	SANTA HELENA DEL OPON (SANTANDER)
4640	Oct 14 2016	06:48:10.5	6.78	-73.14	154	1.6	0.5	236	10	LOS SANTOS (SANTANDER)
4641	Oct 14 2016	07:13:15.4	6.93	-75.27	11	2.1	0.4	122	26	CAMPAMENTO (ANTIOQUIA)
4642	Oct 14 2016	07:26:30.3	6.78	-73.12	144	1.9	0.4	140	22	LOS SANTOS (SANTANDER)
4643	Oct 14 2016	09:28:22.2	6.83	-73.14	146	2.4	0.5	70	43	LOS SANTOS (SANTANDER)
4644	Oct 14 2016	09:41:21.0	4.96	-75.31	Sup	1.4	0.7	182	12	MURILLO (TOLIMA)
4645	Oct 14 2016	10:22: 6.4	6.79	-73.17	144	1.5	0.5	133	9	LOS SANTOS (SANTANDER)
4646	Oct 14 2016	10:23:36.2	6.81	-73.15	143	2.8	0.5	70	46	LOS SANTOS (SANTANDER)
4647	Oct 14 2016	10:28: 0.8	6.78	-73.14	140	2.5	0.5	72	43	LOS SANTOS (SANTANDER)
4648	Oct 14 2016	10:43:28.9	6.70	-73.12	139	1.2	0.3	242	8	JORDAN (SANTANDER)
4649	Oct 14 2016	11:14:50.9	2.02	-75.81	Sup	1.2	0.2	126	8	GUADALUPE (HUILA)
4650	Oct 14 2016	11:25:48.1	5.37	-75.98	24	1.2	0.2	225	8	MISTRATO (RISARALDA)
4651	Oct 14 2016	12:21:22.4	5.27	-77.46	Sup	2.0	0.8	189	21	O. PACIFICO CENTRO
4652	Oct 14 2016	12:47:37.7	6.57	-73.42	119	2.0	0.3	113	16	HATO (SANTANDER)
4653	Oct 14 2016	13:15:35.9	6.76	-73.13	147	2.1	0.5	139	20	LOS SANTOS (SANTANDER)
4654	Oct 14 2016	14:02:36.1	6.58	-73.25	142	1.3	0.3	146	8	CABRERA (SANTANDER)
4655	Oct 14 2016	14:17:39.6	1.68	-76.53	Sup	1.3	0.5	199	10	SANTA ROSA (CAUCA)
4656	Oct 14 2016	14:28:54.5	6.76	-73.13	143	1.8	0.4	140	16	LOS SANTOS (SANTANDER)
4657	Oct 14 2016	15:23:27.6	6.79	-73.14	128	1.4	0.5	137	13	LOS SANTOS (SANTANDER)
4658	Oct 14 2016	16:09:52.1	1.96	-75.91	Sup	1.7	0.0	139	7	TIMANA (HUILA)
4659	Oct 14 2016	19:27: 3.5	6.76	-73.12	140	1.6	0.4	141	12	LOS SANTOS (SANTANDER)
4660	Oct 14 2016	19:36:50.0	9.67	-73.29	118	2.2	0.4	133	14	BECERRIL (CESAR)
4661	Oct 14 2016	19:42:41.2	3.09	-78.79	22	2.0	0.3	334	10	O. PACIFICO SUR
4662	Oct 14 2016	19:56:37.8	6.80	-73.16	149	2.0	0.4	134	18	LOS SANTOS (SANTANDER)
4663	Oct 14 2016	20:04:50.4	6.80	-73.09	152	1.9	0.3	123	19	LOS SANTOS (SANTANDER)
4664	Oct 14 2016	21:06:35.9	6.54	-71.96	7	1.8	0.3	119	14	TAME (ARAUCA)
4665	Oct 14 2016	22:21:40.3	6.75	-73.13	141	1.5	0.4	140	14	LOS SANTOS (SANTANDER)
4666	Oct 14 2016	22:31:19.1	6.78	-73.17	152	1.3	0.4	133	9	LOS SANTOS (SANTANDER)
4667	Oct 14 2016	22:38:41.1	6.77	-73.11	145	1.6	0.4	142	12	LOS SANTOS (SANTANDER)
4668	Oct 14 2016	22:46:28.4	6.96	-73.15	130	1.3	0.2	125	11	GIRON (SANTANDER)
4669	Oct 14 2016	22:47:21.8	6.74	-73.14	151	2.0	0.4	140	16	LOS SANTOS (SANTANDER)
4670	Oct 14 2016	22:56:24.5	6.77	-73.14	154	1.6	0.3	139	8	LOS SANTOS (SANTANDER)
4671	Oct 14 2016	23:35:36.8	6.81	-73.14	148	3.1	0.4	53	62	LOS SANTOS (SANTANDER)
4672	Oct 15 2016	00:07:43.7	6.80	-73.13	144	2.9	0.5	54	50	LOS SANTOS (SANTANDER)
4673	Oct 15 2016	00:35:20.4	2.06	-75.72	Sup	1.4	0.5	120	10	GUADALUPE (HUILA)
4674	Oct 15 2016	01:13:23.6	5.26	-74.55	9	1.2	0.3	239	10	CAPARRAPI (CUNDINAMARCA)
4675	Oct 15 2016	02:08:53.7	8.70	-73.47	100	2.3	0.4	76	29	PELAYA (CESAR)
4676	Oct 15 2016	02:22: 2.8	4.56	-78.19	63	1.7	0.1	297	9	O. PACIFICO CENTRO
4677	Oct 15 2016	02:32:25.8	5.21	-75.54	12	1.7	0.4	77	16	NEIRA (CALDAS)
4678	Oct 15 2016	03:17:40.4	5.66	-73.94	109	2.3	0.4	93	36	PAUNA (BOYACA)
4679	Oct 15 2016	03:25: 9.2	6.71	-73.21	146	1.8	0.5	220	14	VILLANUEVA (SANTANDER)
4680	Oct 15 2016	03:32:35.9	5.57	-74.85	16	1.0	0.3	195	7	NORCASIA (CALDAS)
4681	Oct 15 2016	03:59:33.7	6.76	-73.21	143	1.2	0.5	226	9	ZAPATOCA (SANTANDER)
4682	Oct 15 2016	04:09:39.0	6.94	-73.43	Sup	1.1	0.6	156	7	SAN VICENTE DE CHUCURI (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4683	Oct 15 2016	04:30:11.7	5.79	-74.29	24	2.6	0.4	54	37	OTANCHE (BOYACA)
4684	Oct 15 2016	05:00:49.8	6.75	-73.18	155	1.2	0.6	229	11	VILLANUEVA (SANTANDER)
4685	Oct 15 2016	05:03:22.7	6.77	-73.14	151	1.7	0.5	236	13	LOS SANTOS (SANTANDER)
4686	Oct 15 2016	05:05: 6.1	5.03	-74.65	Sup	1.4	0.8	172	21	GUADUAS (CUNDINAMARCA)
4687	Oct 15 2016	06:25:42.2	6.74	-73.13	154	1.1	0.4	140	8	LOS SANTOS (SANTANDER)
4688	Oct 15 2016	06:32:56.2	6.05	-73.68	116	1.7	0.4	120	16	VELEZ (SANTANDER)
4689	Oct 15 2016	06:47:34.8	3.87	-76.27	124	1.2	0.2	131	8	BUGA (VALLE)
4690	Oct 15 2016	07:16: 7.5	6.81	-73.13	148	3.4	0.5	53	0	LOS SANTOS (SANTANDER)
4691	Oct 15 2016	07:16: 7.5	6.81	-73.13	148	3.4	0.5	53	66	LOS SANTOS (SANTANDER)
4692	Oct 15 2016	07:21:24.0	6.79	-73.14	143	1.4	0.4	136	13	LOS SANTOS (SANTANDER)
4693	Oct 15 2016	07:22:11.2	6.75	-73.10	142	1.1	0.4	144	9	LOS SANTOS (SANTANDER)
4694	Oct 15 2016	07:29:35.9	6.54	-76.73	32	1.7	0.5	237	15	VIGIA DEL FUERTE (ANTIOQUIA)
4695	Oct 15 2016	07:37:58.5	6.80	-73.15	140	1.7	0.5	135	15	LOS SANTOS (SANTANDER)
4696	Oct 15 2016	07:56:10.5	7.42	-74.12	Sup	1.1	0.4	178	10	SAN PABLO (BOLIVAR)
4697	Oct 15 2016	08:42:37.3	3.87	-75.98	Sup	1.3	0.5	80	17	SAN PEDRO (VALLE)
4698	Oct 15 2016	13:05:58.7	5.05	-75.76	18	1.3	0.2	90	10	SAN JOSE (CALDAS)
4699	Oct 15 2016	16:22: 4.8	6.75	-73.10	148	2.0	0.5	238	18	LOS SANTOS (SANTANDER)
4700	Oct 15 2016	16:52:10.0	2.34	-75.61	Sup	1.8	0.4	112	20	GIGANTE (HUILA)
4701	Oct 15 2016	17:14:15.0	6.79	-73.15	150	1.7	0.4	237	14	LOS SANTOS (SANTANDER)
4702	Oct 15 2016	17:37:47.6	6.10	-74.20	22	1.5	0.5	69	14	CIMITARRA (SANTANDER)
4703	Oct 15 2016	18:18:58.3	3.38	-74.47	Sup	3.2	0.6	154	49	URIBE (META)
4704	Oct 15 2016	18:23:11.1	6.81	-73.14	148	1.8	0.4	136	14	LOS SANTOS (SANTANDER)
4705	Oct 15 2016	18:30: 0.5	6.77	-73.12	142	1.5	0.5	140	17	LOS SANTOS (SANTANDER)
4706	Oct 15 2016	19:09:25.0	6.75	-73.17	134	1.3	0.3	135	8	LOS SANTOS (SANTANDER)
4707	Oct 15 2016	19:48:11.2	5.89	-76.40	Sup	1.2	0.5	258	10	EL CARMEN (CHOCO)
4708	Oct 15 2016	20:48:17.6	6.43	-73.40	67	1.5	0.5	99	14	SIMACOTA (SANTANDER)
4709	Oct 15 2016	20:48:17.6	6.79	-73.16	144	2.5	0.5	135	9	LOS SANTOS (SANTANDER)
4710	Oct 15 2016	21:08:58.8	3.42	-74.10	22	1.8	0.3	211	18	MESETAS (META)
4711	Oct 16 2016	00:26:22.3	6.78	-73.15	152	1.4	0.4	136	10	LOS SANTOS (SANTANDER)
4712	Oct 16 2016	00:26:22.3	6.78	-73.15	152	1.4	0.4	136	10	LOS SANTOS (SANTANDER)
4713	Oct 16 2016	00:28:48.8	6.80	-73.15	151	1.7	0.3	135	12	LOS SANTOS (SANTANDER)
4714	Oct 16 2016	01:46:35.5	2.07	-77.19	114	1.5	0.2	158	8	BALBOA (CAUCA)
4715	Oct 16 2016	01:46:45.9	6.81	-73.14	146	3.3	0.5	53	55	LOS SANTOS (SANTANDER)
4716	Oct 16 2016	04:00:11.7	2.45	-75.49	14	1.8	0.4	155	16	GIGANTE (HUILA)
4717	Oct 16 2016	05:48: 5.1	7.41	-73.15	131	2.0	0.4	107	14	EL PLAYON (SANTANDER)
4718	Oct 16 2016	05:48:56.5	8.12	-77.43	18	2.5	0.8	105	27	FRONTERA CON PANAMA
4719	Oct 16 2016	06:10:46.9	6.00	-76.12	68	1.6	0.3	208	10	EL CARMEN (CHOCO)
4720	Oct 16 2016	09:20: 2.2	7.45	-73.18	127	1.4	0.4	226	10	EL PLAYON (SANTANDER)
4721	Oct 16 2016	10:31:12.1	6.52	-73.52	113	1.6	0.5	71	19	EL CARMEN (SANTANDER)
4722	Oct 16 2016	11:18:56.6	6.76	-73.12	140	1.7	0.5	141	18	LOS SANTOS (SANTANDER)
4723	Oct 16 2016	12:57:15.3	6.76	-73.15	143	1.5	0.4	138	14	LOS SANTOS (SANTANDER)
4724	Oct 16 2016	14:21:49.4	6.60	-73.86	74	1.8	0.5	113	20	PUERTO PARRA (SANTANDER)
4725	Oct 16 2016	14:35:30.6	7.21	-76.36	Sup	1.5	0.2	328	8	MUTATA (ANTIOQUIA)
4726	Oct 16 2016	14:38:28.1	6.55	-73.52	113	2.5	0.5	72	38	EL CARMEN (SANTANDER)
4727	Oct 16 2016	15:06:38.3	6.78	-73.17	145	1.8	0.5	134	14	LOS SANTOS (SANTANDER)
4728	Oct 16 2016	15:18:44.3	4.03	-78.41	100	2.0	0.3	285	8	O. PACIFICO CENTRO
4729	Oct 16 2016	15:26:27.9	6.78	-73.12	146	2.2	0.5	140	30	LOS SANTOS (SANTANDER)
4730	Oct 16 2016	15:30:45.5	6.76	-73.16	148	1.7	0.4	136	14	LOS SANTOS (SANTANDER)
4731	Oct 16 2016	16:21: 2.3	5.10	-74.72	32	0.9	0.1	204	8	HONDA (TOLIMA)
4732	Oct 16 2016	16:31:43.6	2.41	-75.55	13	1.5	0.4	138	16	GIGANTE (HUILA)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4733	Oct 16 2016	16:31:59.1	6.76	-73.20	144	1.6	0.4	228	12	ZAPATOCA (SANTANDER)
4734	Oct 16 2016	16:40: 1.3	6.78	-73.09	149	2.1	0.4	143	28	LOS SANTOS (SANTANDER)
<u>4735</u>	<u>Oct 16 2016</u>	<u>17:46: 0.7</u>	<u>10.66</u>	<u>-71.73</u>	<u>10</u>	<u>4.2</u>	<u>1.8</u>	<u>120</u>	<u>80</u>	<u>FRONTERA CON VENEZUELA</u>
4736	Oct 16 2016	18:03:48.8	6.73	-73.11	147	1.4	0.4	143	10	JORDAN (SANTANDER)
4737	Oct 16 2016	18:52:57.8	6.80	-73.12	151	2.6	0.7	54	36	LOS SANTOS (SANTANDER)
4738	Oct 16 2016	19:45:32.9	6.79	-73.09	147	1.6	0.5	143	15	LOS SANTOS (SANTANDER)
4739	Oct 16 2016	20:14:36.9	6.79	-73.14	141	1.7	0.5	136	21	LOS SANTOS (SANTANDER)
4740	Oct 16 2016	20:53:52.6	3.75	-76.69	15	1.4	0.5	125	8	DAGUA (VALLE)
4741	Oct 16 2016	21:25:13.1	6.86	-73.14	147	2.3	0.5	69	42	LOS SANTOS (SANTANDER)
4742	Oct 16 2016	21:31:21.0	6.97	-76.31	Sup	1.2	0.6	263	9	DABEIBA (ANTIOQUIA)
4743	Oct 16 2016	21:48: 2.2	6.93	-76.14	Sup	0.8	0.6	148	8	URAMITA (ANTIOQUIA)
4744	Oct 16 2016	22:18:49.4	6.78	-73.09	150	1.2	0.1	144	7	LOS SANTOS (SANTANDER)
4745	Oct 16 2016	22:41: 5.2	6.79	-73.15	146	1.6	0.4	136	12	LOS SANTOS (SANTANDER)
4746	Oct 16 2016	23:29: 1.1	6.76	-73.18	157	1.2	0.0	134	6	LOS SANTOS (SANTANDER)
4747	Oct 16 2016	23:29:45.2	6.80	-73.14	149	1.8	0.4	119	18	LOS SANTOS (SANTANDER)
4748	Oct 16 2016	23:34:58.2	6.82	-73.12	151	2.0	0.5	121	25	LOS SANTOS (SANTANDER)
4749	Oct 17 2016	00:34:26.0	6.81	-73.14	143	1.8	0.5	136	18	LOS SANTOS (SANTANDER)
4750	Oct 17 2016	01:02:30.9	6.81	-73.16	149	3.3	0.8	70	79	LOS SANTOS (SANTANDER)
4751	Oct 17 2016	01:19: 5.0	6.80	-73.15	146	1.1	0.3	135	9	LOS SANTOS (SANTANDER)
4752	Oct 17 2016	01:20:24.3	6.78	-73.14	138	1.6	0.5	137	16	LOS SANTOS (SANTANDER)
4753	Oct 17 2016	01:21:55.1	1.67	-76.02	Sup	0.8	0.5	148	12	PALESTINA (HUILA)
4754	Oct 17 2016	01:23:32.2	6.79	-73.15	146	1.1	0.2	136	9	LOS SANTOS (SANTANDER)
4755	Oct 17 2016	01:39:22.8	5.79	-76.09	45	1.4	0.2	216	10	CIUDAD BOLIVAR (ANTIOQUIA)
4756	Oct 17 2016	02:08:32.7	7.99	-74.25	14	1.8	0.7	119	24	SANTA ROSA DEL SUR (BOLIVAR)
4757	Oct 17 2016	02:39:23.9	3.46	-74.20	Sup	1.4	0.8	126	25	MESETAS (META)
4758	Oct 17 2016	03:00:36.5	6.81	-73.06	136	1.3	0.4	246	11	LOS SANTOS (SANTANDER)
4759	Oct 17 2016	03:13:55.1	6.87	-73.16	147	1.6	0.4	68	19	BETULIA (SANTANDER)
4760	Oct 17 2016	04:15: 9.1	5.21	-75.83	28	1.7	0.6	109	22	BELEN DE UMBRIA (RISARALDA)
4761	Oct 17 2016	04:37:54.0	6.81	-73.15	142	1.6	0.5	135	22	LOS SANTOS (SANTANDER)
4762	Oct 17 2016	04:50:11.7	6.81	-73.14	149	1.4	0.4	136	16	LOS SANTOS (SANTANDER)
4763	Oct 17 2016	04:50:26.4	0.94	-77.33	Sup	1.8	0.6	132	18	FUNES (NARINO)
4764	Oct 17 2016	05:35:26.6	4.52	-76.30	121	1.8	0.5	119	28	EL DOVIO (VALLE)
4765	Oct 17 2016	05:47:44.3	10.14	-72.62	7	1.9	0.5	160	13	FRONTERA CON VENEZUELA
4766	Oct 17 2016	05:48:51.1	6.70	-73.19	151	1.4	0.4	224	9	VILLANUEVA (SANTANDER)
4767	Oct 17 2016	05:55:12.1	6.76	-73.09	144	1.3	0.1	145	8	LOS SANTOS (SANTANDER)
4768	Oct 17 2016	06:39:58.8	6.81	-73.09	156	1.5	0.2	244	7	LOS SANTOS (SANTANDER)
4769	Oct 17 2016	07:01:31.7	6.78	-73.11	142	1.4	0.4	141	14	LOS SANTOS (SANTANDER)
4770	Oct 17 2016	07:04:54.6	6.80	-73.12	146	1.8	0.5	67	25	LOS SANTOS (SANTANDER)
4771	Oct 17 2016	07:13:58.7	6.73	-73.16	144	1.1	0.3	230	10	LOS SANTOS (SANTANDER)
4772	Oct 17 2016	07:29:27.0	8.03	-72.83	Sup	1.4	0.5	236	12	BUCARASICA (N.SANTANDER)
4773	Oct 17 2016	07:34: 7.6	6.75	-73.13	145	1.7	0.3	235	8	LOS SANTOS (SANTANDER)
4774	Oct 17 2016	07:54:28.5	6.89	-73.16	151	0.9	0.4	151	8	BETULIA (SANTANDER)
4775	Oct 17 2016	08:08:36.1	6.76	-73.07	151	1.2	0.3	147	14	LOS SANTOS (SANTANDER)
4776	Oct 17 2016	08:37:11.7	6.81	-73.17	145	1.6	0.3	133	14	LOS SANTOS (SANTANDER)
4777	Oct 17 2016	08:41: 2.9	6.73	-73.07	145	1.1	0.5	149	10	JORDAN (SANTANDER)
4778	Oct 17 2016	09:04: 5.9	4.66	-76.29	114	1.3	0.1	178	7	EL CAIRO (VALLE)
4779	Oct 17 2016	09:38:30.1	6.82	-73.19	141	1.2	0.3	129	12	ZAPATOCA (SANTANDER)
4780	Oct 17 2016	10:15: 5.1	5.99	-73.81	111	1.5	0.4	119	12	BOLIVAR (SANTANDER)
4781	Oct 17 2016	13:08:52.0	5.65	-73.95	103	1.5	0.1	225	8	PAUNA (BOYACA)
4782	Oct 17 2016	14:22:19.6	6.77	-73.17	145	1.6	0.4	134	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4783	Oct 17 2016	14:56:27.1	6.56	-73.57	113	2.1	0.4	78	20	EL CARMEN (SANTANDER)
4784	Oct 17 2016	15:14:15.6	7.13	-73.86	95	1.3	0.3	215	8	BARRANCABERMEJA (SANTANDER)
4785	Oct 17 2016	15:14:40.4	6.78	-73.12	139	1.8	0.5	140	12	LOS SANTOS (SANTANDER)
4786	Oct 17 2016	15:38:45.2	8.12	-74.23	24	2.3	0.5	118	18	SANTA ROSA DEL SUR (BOLIVAR)
4787	Oct 17 2016	15:59:42.1	6.74	-73.12	145	1.8	0.3	141	12	LOS SANTOS (SANTANDER)
4788	Oct 17 2016	19:28:11.3	2.25	-75.64	17	1.5	0.5	87	14	GARZON (HUILA)
4789	Oct 17 2016	20:50:37.8	6.79	-73.12	149	1.6	0.3	139	18	LOS SANTOS (SANTANDER)
4790	Oct 17 2016	20:53:43.6	6.79	-73.10	141	2.7	0.5	69	46	LOS SANTOS (SANTANDER)
4791	Oct 17 2016	21:14:13.3	6.84	-73.37	125	1.7	0.3	91	11	SAN VICENTE DE CHUCURI (SANTANDER)
4792	Oct 17 2016	21:16:19.1	6.81	-73.20	139	1.3	0.1	146	8	ZAPATOCA (SANTANDER)
4793	Oct 17 2016	21:28:43.7	6.77	-73.13	143	1.8	0.3	140	21	LOS SANTOS (SANTANDER)
4794	Oct 17 2016	21:35:38.9	2.40	-75.50	22	1.3	0.3	151	8	GIGANTE (HUILA)
4795	Oct 17 2016	22:00:52.1	6.82	-73.18	137	1.4	0.2	131	9	ZAPATOCA (SANTANDER)
4796	Oct 17 2016	22:01:51.9	6.85	-73.13	127	1.3	0.3	144	7	LOS SANTOS (SANTANDER)
4797	Oct 17 2016	22:09:49.7	6.83	-73.16	148	1.3	0.4	133	13	LOS SANTOS (SANTANDER)
4798	Oct 18 2016	00:22:34.1	6.43	-72.08	Sup	1.9	0.7	92	20	GUICAN (BOYACA)
4799	Oct 18 2016	00:51: 2.8	6.81	-73.14	142	2.1	0.6	53	36	LOS SANTOS (SANTANDER)
4800	Oct 18 2016	01:29:48.0	6.82	-73.15	147	1.6	0.4	135	19	LOS SANTOS (SANTANDER)
4801	Oct 18 2016	02:13:35.4	6.79	-73.08	146	1.2	0.3	145	9	LOS SANTOS (SANTANDER)
4802	Oct 18 2016	02:43:55.6	1.95	-76.10	Sup	2.2	0.3	92	26	SALADOBLANCO (HUILA)
4803	Oct 18 2016	03:45: 9.1	6.79	-73.14	150	1.5	0.4	137	16	LOS SANTOS (SANTANDER)
4804	Oct 18 2016	04:22:59.1	6.79	-73.15	147	1.4	0.4	136	13	LOS SANTOS (SANTANDER)
4805	Oct 18 2016	04:53:50.6	6.83	-73.17	143	1.8	0.5	131	24	ZAPATOCA (SANTANDER)
4806	Oct 18 2016	07:32:27.7	2.49	-75.58	Sup	1.5	0.4	127	13	GIGANTE (HUILA)
4807	Oct 18 2016	08:08:34.1	6.81	-73.09	153	1.5	0.3	183	10	LOS SANTOS (SANTANDER)
4808	Oct 18 2016	09:37:25.4	6.83	-73.16	136	1.7	0.4	132	13	ZAPATOCA (SANTANDER)
4809	Oct 18 2016	12:27:46.8	7.73	-74.42	22	3.8	0.5	44	0	EL BAGRE (ANTIOQUIA)
4810	Oct 18 2016	12:27:46.8	7.73	-74.42	22	3.8	0.5	44	73	EL BAGRE (ANTIOQUIA)
4811	Oct 18 2016	14:21:59.5	1.94	-76.09	Sup	1.4	0.3	145	9	SALADOBLANCO (HUILA)
4812	Oct 18 2016	15:02:28.3	3.27	-78.68	8	2.8	0.5	291	21	O. PACIFICO SUR
4813	Oct 18 2016	15:31:13.8	6.80	-73.11	149	2.5	0.5	103	40	LOS SANTOS (SANTANDER)
4814	Oct 18 2016	15:41:31.6	2.03	-75.83	29	1.7	0.2	120	10	ALTAMIRA (HUILA)
4815	Oct 18 2016	16:34:51.3	6.77	-73.14	150	1.9	0.4	120	14	LOS SANTOS (SANTANDER)
4816	Oct 18 2016	17:24: 4.4	6.78	-73.05	146	2.4	0.5	105	36	LOS SANTOS (SANTANDER)
4817	Oct 18 2016	17:42:47.1	6.81	-73.18	146	1.5	0.4	145	10	ZAPATOCA (SANTANDER)
4818	Oct 18 2016	18:51:46.4	6.79	-73.14	142	1.8	0.5	136	14	LOS SANTOS (SANTANDER)
4819	Oct 18 2016	20:06:33.1	7.38	-73.11	152	1.7	0.3	211	9	MATANZA (SANTANDER)
4820	Oct 18 2016	20:15:37.6	4.98	-76.28	100	1.6	0.3	194	12	SAN JOSE DEL PALMAR (CHOCO)
4821	Oct 18 2016	20:25:16.1	6.82	-73.17	143	1.3	0.4	132	10	ZAPATOCA (SANTANDER)
4822	Oct 18 2016	20:54:40.9	6.58	-73.57	106	1.3	0.3	142	8	EL CARMEN (SANTANDER)
4823	Oct 18 2016	21:01:34.9	5.42	-73.79	130	1.8	0.3	119	20	FUQUENE (CUNDINAMARCA)
4824	Oct 18 2016	21:02: 0.6	1.98	-75.33	Sup	2.0	0.5	173	16	PUERTO RICO (CAQUETA)
4825	Oct 19 2016	00:25:50.8	6.82	-73.07	152	1.2	0.3	145	8	LOS SANTOS (SANTANDER)
4826	Oct 19 2016	01:04: 1.1	6.76	-73.12	150	1.7	0.4	140	20	LOS SANTOS (SANTANDER)
4827	Oct 19 2016	01:50:47.3	6.79	-73.14	140	2.2	0.4	71	39	LOS SANTOS (SANTANDER)
4828	Oct 19 2016	01:56:57.7	6.83	-73.12	146	1.6	0.4	138	16	LOS SANTOS (SANTANDER)
4829	Oct 19 2016	02:58:38.5	6.78	-73.15	149	1.5	0.4	136	13	LOS SANTOS (SANTANDER)
4830	Oct 19 2016	03:21:38.1	10.71	-73.77	22	1.7	0.2	181	10	PUEBLO BELLO (CESAR)
4831	Oct 19 2016	03:26:25.0	6.81	-73.17	146	1.3	0.4	236	10	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
4832	Oct 19 2016	04:08:48.9	6.82	-73.15	147	2.0	0.5	65	33	LOS SANTOS (SANTANDER)
4833	Oct 19 2016	04:12:29.8	6.80	-73.12	142	2.1	0.5	67	34	LOS SANTOS (SANTANDER)
4834	Oct 19 2016	04:15:34.2	6.77	-73.12	146	2.1	0.5	122	35	LOS SANTOS (SANTANDER)
4835	Oct 19 2016	04:19:37.2	6.79	-73.14	145	2.2	0.5	66	33	LOS SANTOS (SANTANDER)
4836	Oct 19 2016	04:25: 3.3	6.79	-73.11	143	1.8	0.4	73	25	LOS SANTOS (SANTANDER)
4837	Oct 19 2016	04:25:43.7	3.93	-76.29	120	1.9	0.5	68	19	BUGA (VALLE)
4838	Oct 19 2016	04:56:58.7	6.81	-73.17	142	1.7	0.5	69	22	LOS SANTOS (SANTANDER)
4839	Oct 19 2016	05:05:45.8	6.78	-73.14	152	1.2	0.3	153	10	LOS SANTOS (SANTANDER)
4840	Oct 19 2016	05:23:54.0	6.77	-73.14	151	1.4	0.4	137	13	LOS SANTOS (SANTANDER)
4841	Oct 19 2016	07:53:26.8	6.81	-73.13	147	2.8	0.6	120	36	LOS SANTOS (SANTANDER)
4842	Oct 19 2016	08:07:26.7	6.82	-73.14	144	2.4	0.6	135	22	LOS SANTOS (SANTANDER)
4843	Oct 19 2016	08:54:38.8	6.78	-73.12	144	1.7	0.5	121	16	LOS SANTOS (SANTANDER)
4844	Oct 19 2016	09:07:24.5	7.31	-72.30	122	1.6	0.6	295	12	TOLEDO (N.SANTANDER)
4845	Oct 19 2016	09:46: 5.3	5.93	-73.57	124	1.8	0.5	63	25	BARBOSA (SANTANDER)
4846	Oct 19 2016	09:54:47.2	6.79	-73.09	145	1.8	0.3	124	25	LOS SANTOS (SANTANDER)
4847	Oct 19 2016	10:01:20.4	2.08	-76.03	Sup	0.9	0.5	136	8	OPORAPA (HUILA)
4848	Oct 19 2016	10:14:14.8	4.93	-74.56	22	1.0	0.2	95	10	CHAGUANI (CUNDINAMARCA)
4849	Oct 19 2016	10:15:28.3	7.28	-72.07	Sup	2.2	0.6	111	24	FRONTERA CON VENEZUELA
4850	Oct 19 2016	11:00:49.7	6.79	-73.16	148	1.6	0.2	235	16	LOS SANTOS (SANTANDER)
4851	Oct 19 2016	12:47:41.6	10.48	-73.30	82	1.6	0.2	190	8	LA PAZ (CESAR)
4852	Oct 19 2016	13:26:34.9	4.03	-76.10	130	1.4	0.3	153	10	TULUA (VALLE)
4853	Oct 19 2016	13:36: 0.4	6.75	-73.12	144	1.5	0.3	237	10	LOS SANTOS (SANTANDER)
4854	Oct 19 2016	16:36:55.6	6.93	-76.22	Sup	2.0	0.6	202	14	URAMITA (ANTIOQUIA)
4855	Oct 19 2016	17:24: 5.6	6.95	-76.31	Sup	1.4	0.6	255	11	DABEIBA (ANTIOQUIA)
4856	Oct 19 2016	18:00: 7.0	7.14	-73.16	136	1.3	0.4	162	10	BUCARAMANGA (SANTANDER)
4857	Oct 19 2016	18:14:17.4	6.75	-73.08	Sup	1.4	0.5	146	12	LOS SANTOS (SANTANDER)
4858	Oct 19 2016	18:28: 8.6	6.93	-76.20	Sup	1.7	0.5	186	10	URAMITA (ANTIOQUIA)
4859	Oct 19 2016	18:33: 3.4	4.46	-77.76	30	1.9	0.6	286	10	O. PACIFICO CENTRO
4860	Oct 19 2016	18:56:30.2	6.93	-76.23	Sup	1.8	0.5	211	12	URAMITA (ANTIOQUIA)
4861	Oct 19 2016	20:18:11.5	2.27	-75.41	15	1.5	0.3	179	9	GIGANTE (HUILA)
4862	Oct 19 2016	20:42:41.9	6.80	-73.19	141	1.6	0.3	144	7	ZAPATOCA (SANTANDER)
4863	Oct 19 2016	21:24:34.5	6.79	-73.13	143	3.1	0.4	72	64	LOS SANTOS (SANTANDER)
4864	Oct 19 2016	21:34:45.2	5.80	-73.94	106	1.8	0.4	85	20	FLORIAN (SANTANDER)
4865	Oct 19 2016	22:39:27.3	6.80	-73.17	146	1.6	0.3	133	13	LOS SANTOS (SANTANDER)
4866	Oct 20 2016	00:47:50.7	6.82	-73.09	154	1.5	0.4	245	11	LOS SANTOS (SANTANDER)
4867	Oct 20 2016	01:10:56.3	6.79	-73.14	148	2.4	0.4	66	41	LOS SANTOS (SANTANDER)
4868	Oct 20 2016	01:34:50.2	7.41	-73.18	130	1.7	0.3	135	15	EL PLAYON (SANTANDER)
4869	Oct 20 2016	01:39:48.5	5.40	-73.78	131	1.1	0.3	121	12	FUQUENE (CUNDINAMARCA)
4870	Oct 20 2016	02:22: 3.1	3.19	-74.62	9	1.5	0.3	186	13	COLOMBIA (HUILA)
4871	Oct 20 2016	02:56:23.5	6.11	-73.63	116	1.7	0.3	71	17	CHIPATA (SANTANDER)
4872	Oct 20 2016	03:40:36.5	6.78	-73.06	152	2.0	0.6	103	37	LOS SANTOS (SANTANDER)
4873	Oct 20 2016	04:04:56.1	6.89	-73.33	126	1.9	0.6	99	32	BETULIA (SANTANDER)
4874	Oct 20 2016	04:39:50.4	6.73	-73.20	143	1.3	0.3	226	8	VILLANUEVA (SANTANDER)
4875	Oct 20 2016	05:01:13.8	6.52	-73.71	98	1.4	0.3	89	16	SANTA HELENA DEL OPON (SANTANDER)
4876	Oct 20 2016	05:15:11.8	3.59	-76.06	169	2.5	0.6	74	44	GINEBRA (VALLE)
4877	Oct 20 2016	06:51: 2.4	6.77	-73.02	144	1.6	0.6	195	14	CEPITA (SANTANDER)
4878	Oct 20 2016	08:35:12.9	6.78	-73.14	146	3.0	0.5	66	63	LOS SANTOS (SANTANDER)
4879	Oct 20 2016	09:08:45.7	6.79	-73.10	154	1.7	0.4	123	27	LOS SANTOS (SANTANDER)
4880	Oct 20 2016	09:57:26.7	6.75	-73.06	148	1.6	0.3	191	20	JORDAN (SANTANDER)
4881	Oct 20 2016	10:12:49.2	6.81	-73.14	144	2.4	0.4	71	37	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4882	Oct 20 2016	10:16:15.8	6.05	-75.93	33	1.3	0.5	231	8	CONCORDIA (ANTIOQUIA)
4883	Oct 20 2016	11:07:36.3	7.12	-73.36	122	1.2	0.3	158	7	LEBRIJA (SANTANDER)
4884	Oct 20 2016	14:25:59.7	6.79	-73.12	142	1.7	0.4	140	14	LOS SANTOS (SANTANDER)
4885	Oct 20 2016	14:54:19.4	6.48	-73.55	18	1.3	0.1	133	8	SANTA HELENA DEL OPON (SANTANDER)
4886	Oct 20 2016	15:03:34.1	2.00	-77.20	118	1.9	0.4	218	12	BALBOA (CAUCA)
4887	Oct 20 2016	15:20:21.2	6.75	-73.17	138	1.6	0.4	231	14	LOS SANTOS (SANTANDER)
4888	Oct 20 2016	16:26:26.6	6.34	-73.63	108	1.6	0.4	138	13	SANTA HELENA DEL OPON (SANTANDER)
4889	Oct 20 2016	16:33:34.4	7.40	-73.21	130	1.7	0.3	218	12	EL PLAYON (SANTANDER)
4890	Oct 20 2016	17:59: 0.8	6.78	-73.12	148	1.6	0.3	139	13	LOS SANTOS (SANTANDER)
4891	Oct 20 2016	18:56: 7.1	6.79	-73.14	144	2.5	0.5	137	31	LOS SANTOS (SANTANDER)
4892	Oct 20 2016	20:18:37.7	6.82	-76.35	Sup	1.5	0.5	238	12	DABEIBA (ANTIOQUIA)
4893	Oct 20 2016	21:02:20.6	2.18	-75.56	22	1.1	0.3	120	10	GARZON (HUILA)
4894	Oct 20 2016	21:13:45.2	6.67	-73.12	141	1.3	0.4	230	7	VILLANUEVA (SANTANDER)
4895	Oct 20 2016	21:22:58.0	6.77	-73.14	144	1.5	0.4	137	12	LOS SANTOS (SANTANDER)
4896	Oct 20 2016	21:38:14.9	6.78	-73.18	145	1.6	0.4	232	12	LOS SANTOS (SANTANDER)
4897	Oct 20 2016	22:10:32.8	5.84	-74.79	Sup	1.4	0.5	168	10	PUERTO TRIUNFO (ANTIOQUIA)
4898	Oct 20 2016	22:22: 0.1	5.86	-74.84	Sup	1.5	0.5	155	16	PUERTO TRIUNFO (ANTIOQUIA)
4899	Oct 20 2016	22:27:16.8	6.79	-73.11	147	2.0	0.5	141	18	LOS SANTOS (SANTANDER)
4900	Oct 20 2016	22:36:50.3	4.80	-76.17	100	1.4	0.4	121	12	EL CAIRO (VALLE)
4901	Oct 20 2016	22:44:42.3	6.46	-73.75	93	1.3	0.3	88	14	SANTA HELENA DEL OPON (SANTANDER)
4902	Oct 20 2016	23:56: 5.3	6.88	-76.12	Sup	1.2	0.4	170	10	URAMITA (ANTIOQUIA)
4903	Oct 20 2016	23:56:33.6	7.14	-73.35	117	1.8	0.5	89	20	LEBRIJA (SANTANDER)
4904	Oct 21 2016	00:41:59.8	7.40	-73.11	144	1.6	0.2	113	9	EL PLAYON (SANTANDER)
4905	Oct 21 2016	01:03:19.7	6.78	-73.10	142	1.0	0.1	142	8	LOS SANTOS (SANTANDER)
4906	Oct 21 2016	02:30:45.5	6.81	-73.11	150	1.6	0.1	140	7	LOS SANTOS (SANTANDER)
4907	Oct 21 2016	02:38:23.0	6.75	-73.14	144	1.6	0.4	139	14	LOS SANTOS (SANTANDER)
4908	Oct 21 2016	03:43:51.2	4.58	-76.05	117	1.2	0.3	119	8	TORO (VALLE)
4909	Oct 21 2016	04:34:25.9	6.79	-73.14	149	1.8	0.6	119	27	LOS SANTOS (SANTANDER)
4910	Oct 21 2016	04:54: 1.5	6.79	-73.14	143	1.6	0.5	137	20	LOS SANTOS (SANTANDER)
4911	Oct 21 2016	04:55:24.0	6.78	-73.15	149	1.4	0.3	235	12	LOS SANTOS (SANTANDER)
4912	Oct 21 2016	05:01:31.2	6.83	-73.16	146	1.6	0.4	133	21	LOS SANTOS (SANTANDER)
4913	Oct 21 2016	05:16:36.0	6.80	-73.09	146	1.1	0.2	243	8	LOS SANTOS (SANTANDER)
4914	Oct 21 2016	07:10:56.0	6.75	-73.19	151	1.4	0.3	228	8	VILLANUEVA (SANTANDER)
4915	Oct 21 2016	07:27:35.2	3.82	-71.45	Sup	1.9	0.7	230	11	PUERTO GAITAN (META)
4916	Oct 21 2016	08:09:26.7	3.54	-78.16	49	2.2	0.6	230	14	O. PACIFICO SUR
4917	Oct 21 2016	08:30: 0.7	6.29	-73.54	112	1.3	0.3	80	22	EL GUACAMAYO (SANTANDER)
4918	Oct 21 2016	08:37:58.4	6.82	-73.13	150	1.7	0.6	119	27	LOS SANTOS (SANTANDER)
4919	Oct 21 2016	09:16:46.9	5.16	-72.94	Sup	1.8	0.7	97	25	CHAMEZA (CASANARE)
4920	Oct 21 2016	09:20:18.1	6.77	-73.14	148	1.5	0.4	120	20	LOS SANTOS (SANTANDER)
4921	Oct 21 2016	13:40:31.4	6.79	-73.14	146	2.2	0.4	100	21	LOS SANTOS (SANTANDER)
4922	Oct 21 2016	16:44:11.3	6.83	-73.12	151	2.1	0.5	138	22	LOS SANTOS (SANTANDER)
4923	Oct 21 2016	17:06:20.7	6.78	-73.15	151	2.1	0.4	72	20	LOS SANTOS (SANTANDER)
4924	Oct 21 2016	17:17:39.9	6.78	-73.12	148	2.0	0.4	122	20	LOS SANTOS (SANTANDER)
4925	Oct 21 2016	17:20: 5.6	6.79	-73.12	146	1.8	0.4	139	10	LOS SANTOS (SANTANDER)
4926	Oct 21 2016	17:52:54.6	6.81	-73.14	147	3.0	0.6	65	41	LOS SANTOS (SANTANDER)
4927	Oct 21 2016	19:18:23.2	6.23	-76.61	Sup	2.5	0.6	141	24	MEDIO ATRATO (CHOCO)
4928	Oct 21 2016	20:38:17.0	6.77	-73.14	142	2.2	0.4	138	22	LOS SANTOS (SANTANDER)
4929	Oct 21 2016	21:42: 6.6	6.79	-73.15	147	3.3	0.3	68	61	LOS SANTOS (SANTANDER)
4930	Oct 21 2016	22:04:47.7	6.73	-73.13	137	1.3	0.4	141	8	JORDAN (SANTANDER)
4931	Oct 21 2016	22:31:51.2	5.61	-74.32	85	1.5	0.3	168	10	LA VICTORIA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4932	Oct 21 2016	23:28:37.3	6.80	-73.16	144	1.8	0.5	134	16	LOS SANTOS (SANTANDER)
4933	Oct 22 2016	00:07:25.4	4.92	-76.85	27	1.6	0.5	250	13	MEDIO SAN JUAN (CHOCO)
4934	Oct 22 2016	00:08:52.0	6.75	-73.10	154	1.5	0.2	238	10	LOS SANTOS (SANTANDER)
4935	Oct 22 2016	00:20: 0.9	6.77	-73.09	139	1.1	0.3	145	8	LOS SANTOS (SANTANDER)
4936	Oct 22 2016	00:22:54.5	6.84	-73.18	140	1.3	0.2	129	7	ZAPATOCA (SANTANDER)
4937	Oct 22 2016	00:55:58.6	6.84	-73.15	150	2.1	0.4	69	34	LOS SANTOS (SANTANDER)
4938	Oct 22 2016	01:16:34.5	6.80	-73.12	147	2.5	0.5	67	50	LOS SANTOS (SANTANDER)
4939	Oct 22 2016	02:05: 8.7	6.36	-73.51	116	1.1	0.4	83	10	CONTRATACION (SANTANDER)
4940	Oct 22 2016	02:19: 0.9	6.82	-73.08	146	1.3	0.4	246	12	LOS SANTOS (SANTANDER)
4941	Oct 22 2016	02:21:55.8	9.48	-72.97	Sup	2.1	0.6	169	24	FRONTERA CON VENEZUELA
4942	Oct 22 2016	02:54:10.7	5.91	-76.02	72	1.5	0.4	227	15	SALGAR (ANTIOQUIA)
4943	Oct 22 2016	03:20:53.9	3.73	-76.85	48	2.4	0.4	109	44	DAGUA (VALLE)
4944	Oct 22 2016	03:27:57.9	7.17	-72.22	Sup	1.7	0.6	195	16	CUBARA (BOYACA)
4945	Oct 22 2016	04:01: 6.0	6.78	-73.10	148	1.5	0.5	142	18	LOS SANTOS (SANTANDER)
4946	Oct 22 2016	04:02:26.0	6.00	-74.02	Sup	1.3	0.5	143	20	LA BELLEZA (SANTANDER)
4947	Oct 22 2016	04:05:43.5	5.96	-73.95	14	0.7	0.4	106	12	LA BELLEZA (SANTANDER)
4948	Oct 22 2016	04:38:45.4	6.68	-73.22	151	1.1	0.2	218	8	BARICHARA (SANTANDER)
4949	Oct 22 2016	05:04: 7.7	6.78	-73.08	144	1.8	0.3	145	24	LOS SANTOS (SANTANDER)
4950	Oct 22 2016	05:09:32.9	6.77	-73.14	142	1.6	0.4	137	20	LOS SANTOS (SANTANDER)
4951	Oct 22 2016	05:27:54.3	6.78	-73.15	150	1.6	0.3	136	18	LOS SANTOS (SANTANDER)
4952	Oct 22 2016	05:39:56.1	1.92	-76.82	Sup	1.1	0.1	153	10	ALMAGUER (CAUCA)
4953	Oct 22 2016	05:49: 5.9	4.49	-76.37	85	0.9	0.4	163	8	EL DOVIO (VALLE)
4954	Oct 22 2016	06:20:37.5	6.81	-73.09	146	1.8	0.3	188	26	LOS SANTOS (SANTANDER)
4955	Oct 22 2016	06:23:44.7	6.74	-73.22	148	0.8	0.4	224	8	VILLANUEVA (SANTANDER)
4956	Oct 22 2016	06:32:43.4	6.78	-73.23	146	1.0	0.3	227	8	ZAPATOCA (SANTANDER)
4957	Oct 22 2016	06:58:11.1	6.17	-73.67	108	1.8	0.4	67	31	LA PAZ (SANTANDER)
4958	Oct 22 2016	07:21:31.9	5.25	-73.70	148	3.1	0.7	66	64	LENGUAZQUE (CUNDINAMARCA)
4959	Oct 22 2016	07:34: 5.5	6.78	-73.18	153	0.8	0.3	232	7	LOS SANTOS (SANTANDER)
4960	Oct 22 2016	07:38: 6.5	6.77	-72.99	118	0.8	0.4	251	8	CEPITA (SANTANDER)
4961	Oct 22 2016	08:00:37.1	6.80	-73.11	149	1.6	0.4	140	20	LOS SANTOS (SANTANDER)
4962	Oct 22 2016	09:35:14.3	6.81	-73.18	140	1.1	0.2	276	8	ZAPATOCA (SANTANDER)
4963	Oct 22 2016	09:44:32.0	6.80	-73.13	144	2.5	0.5	72	45	LOS SANTOS (SANTANDER)
4964	Oct 22 2016	09:45:47.9	6.57	-73.49	116	2.4	0.4	70	42	EL CARMEN (SANTANDER)
4965	Oct 22 2016	10:18:46.3	6.71	-72.94	Sup	1.0	0.5	169	10	CEPITA (SANTANDER)
4966	Oct 22 2016	10:25:53.9	6.56	-73.55	109	2.1	0.6	75	30	EL CARMEN (SANTANDER)
4967	Oct 22 2016	10:57: 7.0	6.76	-73.08	153	1.4	0.3	147	10	LOS SANTOS (SANTANDER)
4968	Oct 22 2016	12:45:11.1	5.80	-76.14	47	1.5	0.2	229	11	EL CARMEN (CHOCO)
4969	Oct 22 2016	13:16:48.8	6.80	-73.16	147	2.2	0.5	118	20	LOS SANTOS (SANTANDER)
4970	Oct 22 2016	13:47:59.8	6.79	-73.17	145	1.6	0.5	142	11	LOS SANTOS (SANTANDER)
4971	Oct 22 2016	15:26:46.4	6.76	-73.10	142	1.6	0.5	144	12	LOS SANTOS (SANTANDER)
4972	Oct 22 2016	16:35:50.4	6.82	-73.16	140	1.6	0.3	132	13	LOS SANTOS (SANTANDER)
4973	Oct 22 2016	20:20:23.8	5.87	-76.90	Sup	2.3	0.5	161	22	MEDIO ATRATO (CHOCO)
4974	Oct 22 2016	21:18:21.5	5.65	-75.53	92	2.0	0.5	68	22	AGUADAS (CALDAS)
4975	Oct 22 2016	21:25:48.9	6.12	-73.67	111	1.3	0.3	164	10	CHIPATA (SANTANDER)
4976	Oct 22 2016	21:54:24.1	1.92	-76.82	Sup	1.4	0.4	169	8	ALMAGUER (CAUCA)
4977	Oct 22 2016	23:27: 0.9	6.75	-73.14	142	1.3	0.3	139	10	LOS SANTOS (SANTANDER)
4978	Oct 22 2016	23:36:18.2	6.80	-73.07	148	2.4	0.6	146	36	LOS SANTOS (SANTANDER)
4979	Oct 23 2016	00:34: 3.2	6.94	-74.71	31	1.7	0.3	211	14	REMEDIOS (ANTIOQUIA)
4980	Oct 23 2016	01:44:57.2	6.80	-73.12	144	1.8	0.5	121	26	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
4981	Oct 23 2016	02:33:11.9	6.78	-73.14	143	1.8	0.3	71	24	LOS SANTOS (SANTANDER)
4982	Oct 23 2016	02:35:31.5	5.24	-73.74	143	1.4	0.3	134	16	CUCUNUBA (CUNDINAMARCA)
4983	Oct 23 2016	02:53:32.4	6.81	-73.15	148	2.3	0.5	65	48	LOS SANTOS (SANTANDER)
4984	Oct 23 2016	03:49: 1.5	7.24	-71.98	6	1.7	0.5	220	16	FRONTERA CON VENEZUELA
4985	Oct 23 2016	04:21:53.3	6.80	-73.17	145	1.7	0.3	70	21	LOS SANTOS (SANTANDER)
4986	Oct 23 2016	05:24:30.7	2.46	-75.46	Sup	1.2	0.2	183	8	GIGANTE (HUILA)
4987	Oct 23 2016	05:30:17.4	6.79	-73.09	145	1.9	0.5	69	36	LOS SANTOS (SANTANDER)
4988	Oct 23 2016	05:53:22.6	6.71	-73.18	142	1.3	0.4	226	10	VILLANUEVA (SANTANDER)
4989	Oct 23 2016	05:55:13.8	5.71	-73.90	103	0.6	0.4	173	11	BRICENO (BOYACA)
4990	Oct 23 2016	07:20:42.6	6.78	-73.29	118	1.2	0.3	202	8	ZAPATOCA (SANTANDER)
4991	Oct 23 2016	07:40:49.0	6.02	-73.68	115	1.7	0.4	80	20	VELEZ (SANTANDER)
4992	Oct 23 2016	08:29:46.6	2.66	-75.06	Sup	1.0	0.2	199	11	RIVERA (HUILA)
4993	Oct 23 2016	08:36:13.7	6.80	-73.14	143	1.7	0.5	136	24	LOS SANTOS (SANTANDER)
4994	Oct 23 2016	09:38:11.0	6.80	-73.12	153	1.1	0.3	138	12	LOS SANTOS (SANTANDER)
4995	Oct 23 2016	09:44:33.1	6.77	-73.07	144	1.5	0.5	126	21	LOS SANTOS (SANTANDER)
4996	Oct 23 2016	10:06:30.8	5.98	-75.80	13	1.5	0.3	173	11	VENECIA (ANTIOQUIA)
4997	Oct 23 2016	10:06:49.7	5.27	-73.77	137	2.0	0.4	128	25	CUCUNUBA (CUNDINAMARCA)
4998	Oct 23 2016	10:13:40.2	6.83	-73.18	133	1.0	0.1	147	6	ZAPATOCA (SANTANDER)
4999	Oct 23 2016	10:16: 2.1	6.77	-73.12	142	1.5	0.2	140	10	LOS SANTOS (SANTANDER)
5000	Oct 23 2016	12:10:55.5	6.81	-73.11	149	2.2	0.4	72	32	LOS SANTOS (SANTANDER)
5001	Oct 23 2016	12:25:22.3	6.77	-73.15	142	1.6	0.3	137	12	LOS SANTOS (SANTANDER)
5002	Oct 23 2016	13:42:44.8	6.82	-77.92	33	2.0	0.3	165	12	O. PACIFICO NORTE
5003	Oct 23 2016	14:32:27.0	6.78	-73.14	143	1.9	0.4	138	20	LOS SANTOS (SANTANDER)
5004	Oct 23 2016	14:45:56.1	6.81	-73.13	146	3.6	0.4	71	42	LOS SANTOS (SANTANDER)
5005	Oct 23 2016	15:53:47.8	3.69	-74.17	Sup	1.1	0.4	196	7	LEJANIAS (META)
5006	Oct 23 2016	15:59:55.9	6.78	-73.15	140	1.6	0.3	136	13	LOS SANTOS (SANTANDER)
5007	Oct 23 2016	16:09:36.0	6.78	-73.13	149	1.7	0.3	139	16	LOS SANTOS (SANTANDER)
5008	Oct 23 2016	16:25: 0.8	4.47	-76.22	110	2.2	0.3	158	16	EL DOVIO (VALLE)
5009	Oct 23 2016	17:04:39.3	6.77	-73.11	150	2.0	0.4	142	16	LOS SANTOS (SANTANDER)
5010	Oct 23 2016	18:13:19.3	3.01	-78.84	6	2.7	0.4	289	12	O. PACIFICO SUR
5011	Oct 23 2016	19:08:12.6	6.03	-73.66	116	1.5	0.2	152	7	VELEZ (SANTANDER)
5012	Oct 23 2016	20:24:58.0	2.50	-75.61	14	1.7	0.3	116	16	TESALIA (HUILA)
5013	Oct 23 2016	20:48:45.0	6.77	-73.12	144	3.4	0.5	67	70	LOS SANTOS (SANTANDER)
5014	Oct 23 2016	21:06: 2.4	6.80	-73.14	146	2.4	0.5	65	36	LOS SANTOS (SANTANDER)
5015	Oct 23 2016	21:42:37.1	6.74	-73.12	144	1.5	0.4	142	10	LOS SANTOS (SANTANDER)
5016	Oct 23 2016	23:15: 8.2	6.75	-73.09	139	1.5	0.1	146	11	LOS SANTOS (SANTANDER)
5017	Oct 23 2016	23:39:45.6	5.19	-75.90	103	1.4	0.2	118	10	BELEN DE UMBRIA (RISARALDA)
5018	Oct 24 2016	00:03: 4.5	2.22	-75.55	42	1.2	0.1	155	7	GARZON (HUILA)
5019	Oct 24 2016	00:24:48.5	3.88	-76.26	113	1.5	0.2	223	7	BUGA (VALLE)
5020	Oct 24 2016	01:06:53.2	6.77	-73.11	141	1.3	0.2	142	8	LOS SANTOS (SANTANDER)
5021	Oct 24 2016	01:13: 3.0	6.79	-73.15	146	1.2	0.3	135	11	LOS SANTOS (SANTANDER)
5022	Oct 24 2016	01:29:41.3	6.78	-73.17	146	1.4	0.3	134	16	LOS SANTOS (SANTANDER)
5023	Oct 24 2016	01:31:49.2	6.79	-73.12	142	1.9	0.3	140	22	LOS SANTOS (SANTANDER)
5024	Oct 24 2016	01:52:42.7	6.77	-73.14	147	1.5	0.2	138	7	LOS SANTOS (SANTANDER)
5025	Oct 24 2016	02:18:56.4	6.78	-73.15	145	1.4	0.4	136	15	LOS SANTOS (SANTANDER)
5026	Oct 24 2016	02:24:42.5	8.82	-73.65	77	1.7	0.4	128	13	PAILITAS (CESAR)
5027	Oct 24 2016	02:31:14.3	6.74	-73.15	144	1.2	0.3	138	8	LOS SANTOS (SANTANDER)
5028	Oct 24 2016	02:39:53.0	2.03	-75.91	14	1.0	0.2	129	8	ELIAS (HUILA)
5029	Oct 24 2016	02:40:53.9	6.78	-73.17	143	1.3	0.3	134	12	LOS SANTOS (SANTANDER)
5030	Oct 24 2016	02:44:23.0	6.71	-73.55	112	1.2	0.4	79	11	EL CARMEN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5031	Oct 24 2016	02:56: 4.4	4.80	-78.51	45	2.2	0.3	168	34	O. PACIFICO CENTRO
5032	Oct 24 2016	04:37:28.0	6.70	-73.54	106	1.5	0.5	78	18	EL CARMEN (SANTANDER)
5033	Oct 24 2016	05:10:44.1	7.17	-76.23	Sup	1.2	0.3	297	8	DABEIBA (ANTIOQUIA)
5034	Oct 24 2016	05:23:46.8	6.78	-73.15	147	2.1	0.3	136	18	LOS SANTOS (SANTANDER)
5035	Oct 24 2016	05:30:34.1	6.06	-74.38	Sup	1.8	0.4	77	22	PUERTO BOYACA (BOYACA)
5036	Oct 24 2016	05:34:53.7	4.88	-78.47	57	1.8	0.2	183	20	O. PACIFICO CENTRO
5037	Oct 24 2016	05:53:34.4	6.87	-73.39	122	1.9	0.3	57	18	SAN VICENTE DE CHUCURI (SANTANDER)
5038	Oct 24 2016	07:23:16.0	6.92	-76.64	Sup	1.5	0.3	295	19	MURINDO (ANTIOQUIA)
5039	Oct 24 2016	07:35:45.3	6.76	-73.13	150	1.2	0.3	140	10	LOS SANTOS (SANTANDER)
5040	Oct 24 2016	07:41:44.3	1.93	-76.83	11	1.2	0.2	149	8	ALMAGUER (CAUCA)
5041	Oct 24 2016	07:43:45.7	4.79	-76.18	104	1.8	0.2	130	14	EL CAIRO (VALLE)
5042	Oct 24 2016	07:50: 5.8	6.79	-73.09	144	2.1	0.4	143	26	LOS SANTOS (SANTANDER)
5043	Oct 24 2016	08:03:51.7	1.92	-76.82	Sup	0.8	0.3	152	10	ALMAGUER (CAUCA)
5044	Oct 24 2016	08:23: 8.3	5.67	-73.89	115	1.3	0.4	96	13	BRICENO (BOYACA)
5045	Oct 24 2016	08:32:58.6	6.79	-73.15	144	2.1	0.5	136	28	LOS SANTOS (SANTANDER)
5046	Oct 24 2016	08:49:15.7	1.92	-76.82	Sup	1.2	0.2	152	10	ALMAGUER (CAUCA)
5047	Oct 24 2016	08:55:56.5	6.81	-73.14	147	3.0	0.5	65	52	LOS SANTOS (SANTANDER)
5048	Oct 24 2016	09:06:40.7	6.77	-73.13	145	1.4	0.2	139	9	LOS SANTOS (SANTANDER)
5049	Oct 24 2016	09:53: 9.2	2.24	-75.69	14	1.2	0.3	98	11	AGRADO (HUILA)
5050	Oct 24 2016	09:59:35.9	5.20	-72.98	Sup	1.1	0.4	148	8	SAN EDUARDO (BOYACA)
5051	Oct 24 2016	10:01:32.1	5.03	-75.68	113	1.0	0.4	152	8	PALESTINA (CALDAS)
5052	Oct 24 2016	10:18:43.5	6.79	-73.06	146	1.5	0.5	147	22	LOS SANTOS (SANTANDER)
5053	Oct 24 2016	10:39: 9.3	6.82	-73.10	147	1.3	0.4	243	11	LOS SANTOS (SANTANDER)
5054	Oct 24 2016	10:40:58.7	6.80	-73.13	150	1.6	0.4	138	16	LOS SANTOS (SANTANDER)
5055	Oct 24 2016	10:46:53.8	4.73	-76.68	22	1.5	0.7	176	12	SIPI (CHOCO)
5056	Oct 24 2016	12:06:13.0	6.79	-73.14	151	4.0	0.5	65	0	LOS SANTOS (SANTANDER)
5057	Oct 24 2016	12:06:13.0	6.79	-73.14	151	4.0	0.5	65	71	LOS SANTOS (SANTANDER)
5058	Oct 24 2016	12:48:35.5	6.79	-73.16	145	1.4	0.4	135	14	LOS SANTOS (SANTANDER)
5059	Oct 24 2016	13:27:15.6	3.61	-76.43	131	1.5	0.3	165	13	YUMBO (VALLE)
5060	Oct 24 2016	14:22:37.1	5.27	-73.72	149	2.4	0.5	78	40	LENGUAZAQUE (CUNDINAMARCA)
5061	Oct 24 2016	14:55:22.4	6.83	-73.31	120	1.6	0.3	106	18	ZAPATOCA (SANTANDER)
5062	Oct 24 2016	15:10:21.9	6.88	-73.29	124	1.9	0.4	191	28	BETULIA (SANTANDER)
5063	Oct 24 2016	15:38:12.5	6.86	-73.31	120	2.6	0.5	101	46	BETULIA (SANTANDER)
5064	Oct 24 2016	15:44: 1.9	8.93	-73.94	85	1.9	0.2	116	12	EL PENON (BOLIVAR)
5065	Oct 24 2016	16:02:37.1	6.79	-73.14	143	2.1	0.4	138	28	LOS SANTOS (SANTANDER)
5066	Oct 24 2016	16:21:20.4	6.78	-73.08	140	1.6	0.3	146	16	LOS SANTOS (SANTANDER)
5067	Oct 24 2016	16:52:48.7	6.74	-73.14	157	1.2	0.2	139	10	LOS SANTOS (SANTANDER)
5068	Oct 24 2016	18:21:38.7	10.03	-74.06	11	2.6	0.5	147	14	ALGARROBO (MAGDALENA)
5069	Oct 24 2016	18:49:47.6	6.80	-73.16	149	1.7	0.4	145	10	LOS SANTOS (SANTANDER)
5070	Oct 24 2016	20:18:45.7	6.78	-73.14	144	1.9	0.4	99	15	LOS SANTOS (SANTANDER)
5071	Oct 24 2016	21:12:49.5	1.94	-76.85	Sup	2.0	0.6	93	18	ALMAGUER (CAUCA)
5072	Oct 24 2016	21:41:13.8	6.80	-73.12	139	2.4	0.5	101	28	LOS SANTOS (SANTANDER)
5073	Oct 24 2016	22:24:33.4	2.02	-76.11	Sup	1.2	0.3	150	8	SALADOBLANCO (HUILA)
5074	Oct 24 2016	22:38:20.3	6.37	-74.24	26	1.1	0.1	150	8	PUERTO BERRIO (ANTIOQUIA)
5075	Oct 25 2016	00:01:11.9	8.20	-76.85	90	2.3	0.3	175	14	TURBO (ANTIOQUIA)
5076	Oct 25 2016	00:14:16.2	6.36	-73.61	105	2.0	0.2	88	21	SANTA HELENA DEL OPO (SANTANDER)
5077	Oct 25 2016	01:14:20.5	6.02	-73.89	Sup	2.3	0.4	106	23	EL PENON (SANTANDER)
5078	Oct 25 2016	01:14:20.5	6.02	-73.89	Sup	2.2	0.4	106	23	EL PENON (SANTANDER)
5079	Oct 25 2016	01:30:45.6	6.76	-73.12	140	1.7	0.3	141	16	LOS SANTOS (SANTANDER)
5080	Oct 25 2016	01:38:18.7	2.05	-75.81	Sup	2.3	0.3	87	25	ALTAMIRA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5081	Oct 25 2016	02:22:59.5	6.78	-73.15	144	1.6	0.2	137	15	LOS SANTOS (SANTANDER)
5082	Oct 25 2016	02:55:55.1	2.88	-78.03	8	1.2	0.4	165	8	O. PACIFICO SUR
5083	Oct 25 2016	02:59:54.9	6.78	-73.12	147	1.8	0.3	140	21	LOS SANTOS (SANTANDER)
5084	Oct 25 2016	03:26:30.2	5.25	-74.59	22	1.0	0.2	137	10	UTICA (CUNDINAMARCA)
5085	Oct 25 2016	04:26:17.6	6.78	-73.14	140	1.7	0.2	138	16	LOS SANTOS (SANTANDER)
5086	Oct 25 2016	05:13: 9.7	6.76	-73.18	145	1.3	0.1	231	8	LOS SANTOS (SANTANDER)
5087	Oct 25 2016	05:28:36.7	6.72	-73.15	149	2.0	0.2	139	12	VILLANUEVA (SANTANDER)
5088	Oct 25 2016	05:31:57.7	6.08	-72.58	Sup	1.3	0.5	153	12	JERICO (BOYACA)
5089	Oct 25 2016	05:38:45.7	6.69	-73.18	146	1.2	0.0	225	8	VILLANUEVA (SANTANDER)
5090	Oct 25 2016	06:09: 8.7	6.79	-73.06	149	1.4	0.4	246	7	LOS SANTOS (SANTANDER)
5091	Oct 25 2016	06:20:15.0	6.77	-73.14	145	1.6	0.4	138	16	LOS SANTOS (SANTANDER)
5092	Oct 25 2016	06:41:56.8	6.78	-73.16	145	1.4	0.5	234	8	LOS SANTOS (SANTANDER)
5093	Oct 25 2016	07:08:14.4	5.87	-76.56	Sup	1.4	0.4	259	14	QUIBDO (CHOCO)
5094	Oct 25 2016	08:42:53.7	6.55	-73.48	107	1.3	0.5	136	14	EL CARMEN (SANTANDER)
5095	Oct 25 2016	09:25:49.9	6.77	-73.14	144	2.5	0.4	138	39	LOS SANTOS (SANTANDER)
5096	Oct 25 2016	09:52:53.6	6.76	-73.08	138	1.1	0.3	145	8	LOS SANTOS (SANTANDER)
5097	Oct 25 2016	10:24:15.7	6.80	-73.13	151	1.7	0.3	138	16	LOS SANTOS (SANTANDER)
5098	Oct 25 2016	10:56: 5.6	5.41	-73.77	136	1.6	0.3	208	9	FUQUENE (CUNDINAMARCA)
5099	Oct 25 2016	11:33:10.6	4.92	-76.28	95	1.7	0.4	192	10	SAN JOSE DEL PALMAR (CHOCO)
5100	Oct 25 2016	11:49:27.0	6.02	-73.76	106	1.5	0.3	128	10	BOLIVAR (SANTANDER)
5101	Oct 25 2016	11:56:25.4	6.81	-73.14	151	1.3	0.2	141	6	LOS SANTOS (SANTANDER)
5102	Oct 25 2016	13:12:39.8	6.79	-73.19	142	1.3	0.2	143	8	ZAPATOCA (SANTANDER)
5103	Oct 25 2016	13:23:10.1	6.84	-73.21	143	1.6	0.3	126	9	ZAPATOCA (SANTANDER)
5104	Oct 25 2016	13:25:41.2	5.99	-72.47	Sup	1.9	0.6	232	16	SOCOTA (BOYACA)
5105	Oct 25 2016	13:37:59.5	3.86	-71.39	Sup	3.4	0.5	232	42	PUERTO GAITAN (META)
5106	Oct 25 2016	14:54:14.8	3.62	-76.33	100	1.1	0.4	169	8	EL CERRITO (VALLE)
5107	Oct 25 2016	15:32:57.0	6.76	-73.16	144	1.8	0.4	136	16	LOS SANTOS (SANTANDER)
5108	Oct 25 2016	15:43:36.9	7.55	-73.29	110	1.2	0.3	241	7	LA ESPERANZA (N.SANTANDER)
5109	Oct 25 2016	16:18:48.9	6.34	-73.63	115	1.4	0.2	83	12	SANTA HELENA DEL OPON (SANTANDER)
5110	Oct 25 2016	18:00:53.2	5.26	-73.71	148	2.8	0.5	65	49	LENGUAZQUE (CUNDINAMARCA)
5111	Oct 25 2016	18:14:19.1	4.11	-75.37	Sup	2.2	0.6	75	35	ROVIRA (TOLIMA)
5112	Oct 25 2016	18:19:24.9	6.73	-73.13	144	1.8	0.2	141	14	JORDAN (SANTANDER)
5113	Oct 25 2016	19:25: 2.5	6.80	-73.18	144	1.7	0.2	144	14	ZAPATOCA (SANTANDER)
5114	Oct 25 2016	19:29: 4.5	5.24	-73.72	145	1.7	0.1	221	8	CUCUNUBA (CUNDINAMARCA)
5115	Oct 25 2016	19:36:26.4	6.78	-73.13	142	1.8	0.4	139	9	LOS SANTOS (SANTANDER)
5116	Oct 25 2016	20:19:50.0	6.81	-73.15	146	1.8	0.4	135	16	LOS SANTOS (SANTANDER)
5117	Oct 25 2016	20:46: 0.5	6.78	-73.14	143	2.7	0.5	99	38	LOS SANTOS (SANTANDER)
5118	Oct 25 2016	21:20:48.8	4.01	-75.30	25	1.4	0.3	161	8	ORTEGA (TOLIMA)
5119	Oct 25 2016	22:23: 1.4	3.42	-74.21	Sup	2.0	0.5	181	27	MESETAS (META)
5120	Oct 25 2016	22:30:16.9	5.88	-73.68	125	1.6	0.3	93	13	PUENTE NACIONAL (SANTANDER)
5121	Oct 25 2016	22:48: 1.5	3.34	-74.07	Sup	1.6	0.8	232	16	MESETAS (META)
5122	Oct 25 2016	23:32:57.3	6.78	-73.15	144	1.7	0.4	136	12	LOS SANTOS (SANTANDER)
5123	Oct 26 2016	01:05:29.2	6.77	-73.16	149	1.4	0.6	135	13	LOS SANTOS (SANTANDER)
5124	Oct 26 2016	02:14: 1.5	6.92	-76.18	Sup	1.0	0.7	174	8	URAMITA (ANTIOQUIA)
5125	Oct 26 2016	02:21:19.8	6.79	-73.19	150	1.6	0.5	231	12	ZAPATOCA (SANTANDER)
5126	Oct 26 2016	02:44: 8.4	6.81	-73.14	144	2.6	0.6	136	28	LOS SANTOS (SANTANDER)
5127	Oct 26 2016	04:22:22.2	5.49	-72.93	Sup	1.4	0.5	215	12	AQUITANIA (BOYACA)
5128	Oct 26 2016	04:38:29.5	6.78	-73.14	150	1.4	0.5	137	13	LOS SANTOS (SANTANDER)
5129	Oct 26 2016	05:01: 0.5	6.38	-73.63	109	2.6	0.4	66	58	SANTA HELENA DEL OPON (SANTANDER)
5130	Oct 26 2016	05:06:12.8	6.39	-73.68	107	1.4	0.4	77	17	SANTA HELENA DEL OPON (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5131	Oct 26 2016	05:20:24.6	6.77	-73.09	152	1.9	0.4	125	29	LOS SANTOS (SANTANDER)
5132	Oct 26 2016	05:32:29.3	6.81	-73.15	148	3.7	0.5	65	0	LOS SANTOS (SANTANDER)
5133	Oct 26 2016	05:32:29.3	6.81	-73.15	148	3.7	0.5	65	75	LOS SANTOS (SANTANDER)
5134	Oct 26 2016	05:55: 6.5	7.78	-72.45	Sup	2.0	0.5	177	23	FRONTERA CON VENEZUELA
5135	Oct 26 2016	06:09:50.5	6.76	-73.17	137	1.2	0.4	135	10	LOS SANTOS (SANTANDER)
5136	Oct 26 2016	06:16:10.3	6.52	-73.97	22	1.6	0.5	112	14	PUERTO PARRA (SANTANDER)
5137	Oct 26 2016	06:47:23.2	6.79	-73.11	145	2.7	0.5	141	26	LOS SANTOS (SANTANDER)
5138	Oct 26 2016	07:11:30.9	10.96	-73.65	11	1.8	0.3	191	10	PUEBLO BELLO (CESAR)
5139	Oct 26 2016	07:13:30.4	6.79	-73.12	140	1.6	0.4	139	25	LOS SANTOS (SANTANDER)
5140	Oct 26 2016	07:18:15.9	6.80	-73.13	138	2.2	0.5	71	42	LOS SANTOS (SANTANDER)
5141	Oct 26 2016	07:31: 9.6	6.77	-73.08	136	1.5	0.4	145	20	LOS SANTOS (SANTANDER)
5142	Oct 26 2016	07:48:28.9	6.81	-73.13	146	2.5	0.4	66	53	LOS SANTOS (SANTANDER)
5143	Oct 26 2016	08:19:57.7	6.52	-76.83	Sup	1.4	0.4	280	14	VIGIA DEL FUERTE (ANTIOQUIA)
5144	Oct 26 2016	08:27:30.9	6.17	-73.60	117	1.6	0.4	74	24	LA PAZ (SANTANDER)
5145	Oct 26 2016	08:32:21.5	5.27	-73.76	148	1.1	0.3	129	15	CUCUNUBA (CUNDINAMARCA)
5146	Oct 26 2016	08:43:25.8	6.89	-73.05	135	0.8	0.1	142	7	PIEDRECUESTA (SANTANDER)
5147	Oct 26 2016	08:56:30.7	6.63	-73.61	Sup	0.4	0.4	120	8	EL CARMEN (SANTANDER)
5148	Oct 26 2016	09:17: 1.4	6.81	-73.14	142	1.3	0.4	136	13	LOS SANTOS (SANTANDER)
5149	Oct 26 2016	09:24:37.9	6.80	-73.19	131	0.8	0.3	130	8	ZAPATOCA (SANTANDER)
5150	Oct 26 2016	09:45:16.6	6.79	-73.17	139	0.9	0.3	234	7	LOS SANTOS (SANTANDER)
5151	Oct 26 2016	09:55: 1.6	6.79	-73.09	144	1.7	0.3	124	26	LOS SANTOS (SANTANDER)
5152	Oct 26 2016	09:57:13.4	6.76	-73.11	147	1.4	0.3	123	21	LOS SANTOS (SANTANDER)
5153	Oct 26 2016	10:20: 8.4	6.80	-73.20	141	1.4	0.2	145	12	ZAPATOCA (SANTANDER)
5154	Oct 26 2016	10:45:56.3	6.78	-73.16	144	1.5	0.3	135	15	LOS SANTOS (SANTANDER)
5155	Oct 26 2016	10:51:39.3	6.83	-76.32	Sup	1.7	0.4	214	14	URAMITA (ANTIOQUIA)
5156	Oct 26 2016	13:12:50.0	5.32	-74.62	21	1.4	0.4	120	14	LA DORADA (CALDAS)
5157	Oct 26 2016	13:56:36.5	6.79	-73.19	136	1.4	0.2	144	8	ZAPATOCA (SANTANDER)
5158	Oct 26 2016	14:17: 7.1	2.63	-79.91	32	3.8	0.4	125	23	O. PACIFICO SUR
5159	Oct 26 2016	16:00:49.5	7.38	-73.18	130	1.9	0.3	213	9	EL PLAYON (SANTANDER)
5160	Oct 26 2016	16:12:47.2	6.79	-73.13	140	2.9	0.3	139	40	LOS SANTOS (SANTANDER)
5161	Oct 26 2016	16:40:58.6	2.69	-79.68	13	2.5	0.4	289	13	O. PACIFICO SUR
5162	Oct 26 2016	20:30: 7.7	6.81	-73.15	150	2.9	0.5	70	46	LOS SANTOS (SANTANDER)
5163	Oct 26 2016	20:50:27.1	6.78	-73.16	149	1.7	0.5	135	9	LOS SANTOS (SANTANDER)
5164	Oct 26 2016	21:21:16.6	6.83	-73.14	147	1.5	0.4	134	9	LOS SANTOS (SANTANDER)
5165	Oct 26 2016	22:22:46.3	5.85	-74.84	Sup	0.9	0.5	156	7	PUERTO TRIUNFO (ANTIOQUIA)
5166	Oct 26 2016	22:26:41.5	6.78	-73.10	149	1.6	0.2	143	12	LOS SANTOS (SANTANDER)
5167	Oct 26 2016	22:49:22.5	7.30	-75.57	7	2.8	0.6	123	43	BRICENO (ANTIOQUIA)
5168	Oct 26 2016	23:25:59.0	2.36	-75.43	14	1.6	0.5	174	16	GIGANTE (HUILA)
5169	Oct 26 2016	23:45:40.1	6.80	-73.14	149	2.9	0.6	73	46	LOS SANTOS (SANTANDER)
5170	Oct 27 2016	00:47:56.4	2.34	-75.65	Sup	1.3	0.5	105	14	GIGANTE (HUILA)
5171	Oct 27 2016	01:37:18.1	4.82	-73.06	Sup	1.4	0.4	240	8	SABANALARGA (CASANARE)
5172	Oct 27 2016	01:41:36.2	7.41	-73.16	131	1.6	0.3	219	10	EL PLAYON (SANTANDER)
5173	Oct 27 2016	02:20:39.4	6.77	-73.89	22	1.1	0.4	142	8	PUERTO PARRA (SANTANDER)
5174	Oct 27 2016	02:41:13.6	6.79	-73.17	144	1.5	0.3	133	11	LOS SANTOS (SANTANDER)
5175	Oct 27 2016	03:16:31.7	6.78	-73.11	145	1.3	0.4	239	10	LOS SANTOS (SANTANDER)
5176	Oct 27 2016	03:45:48.1	6.86	-73.11	142	2.2	0.6	137	24	LOS SANTOS (SANTANDER)
5177	Oct 27 2016	03:57:22.9	2.40	-75.56	Sup	2.8	0.6	134	30	GIGANTE (HUILA)
5178	Oct 27 2016	05:15:17.2	6.74	-73.19	153	1.5	0.5	227	11	VILLANUEVA (SANTANDER)
5179	Oct 27 2016	06:19:43.4	6.81	-73.15	146	2.7	0.5	70	30	LOS SANTOS (SANTANDER)
5180	Oct 27 2016	07:11:22.1	5.54	-74.41	Sup	1.8	0.3	97	25	YACOPI (CUNDINAMARCA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5181	Oct 27 2016	07:23:53.6	6.78	-73.15	139	1.5	0.3	136	11	LOS SANTOS (SANTANDER)
5182	Oct 27 2016	07:28:27.8	6.78	-73.16	141	2.1	0.4	135	24	LOS SANTOS (SANTANDER)
5183	Oct 27 2016	08:01:47.3	6.79	-73.16	144	1.4	0.3	235	9	LOS SANTOS (SANTANDER)
5184	Oct 27 2016	08:44: 3.6	6.75	-73.08	143	2.0	0.3	126	23	LOS SANTOS (SANTANDER)
5185	Oct 27 2016	08:50:21.7	2.42	-75.57	Sup	2.1	0.4	133	18	GIGANTE (HUILA)
5186	Oct 27 2016	09:33: 0.6	5.46	-76.53	23	1.4	0.6	240	9	LORO (CHOCO)
5187	Oct 27 2016	09:49: 6.3	6.76	-73.14	146	1.8	0.3	139	18	LOS SANTOS (SANTANDER)
5188	Oct 27 2016	09:51: 7.0	6.78	-73.14	145	1.4	0.3	137	14	LOS SANTOS (SANTANDER)
5189	Oct 27 2016	09:50:26.4	2.16	-75.60	16	1.2	0.4	106	12	GARZON (HUILA)
5190	Oct 27 2016	10:06:47.2	6.72	-73.22	149	1.2	0.2	217	9	VILLANUEVA (SANTANDER)
5191	Oct 27 2016	10:37:56.2	6.77	-73.20	146	1.3	0.4	131	11	ZAPATOCA (SANTANDER)
5192	Oct 27 2016	11:43:54.0	6.76	-73.15	147	1.5	0.2	137	12	LOS SANTOS (SANTANDER)
5193	Oct 27 2016	11:44:37.2	5.76	-76.62	13	1.5	0.2	270	10	QUIBDO (CHOCO)
5194	Oct 27 2016	12:15: 1.2	6.77	-73.06	140	1.1	0.3	148	8	LOS SANTOS (SANTANDER)
5195	Oct 27 2016	12:31:43.8	10.94	-74.62	12	2.7	0.4	226	22	PIVIJAY (MAGDALENA)
5196	Oct 27 2016	12:38:22.0	6.79	-73.06	149	2.2	0.4	147	27	LOS SANTOS (SANTANDER)
5197	Oct 27 2016	13:01:12.2	6.81	-73.38	116	1.3	0.3	185	8	SAN VICENTE DE CHUCURI (SANTANDER)
5198	Oct 27 2016	13:52:20.3	6.84	-73.16	141	1.3	0.2	132	9	ZAPATOCA (SANTANDER)
5199	Oct 27 2016	15:40:58.3	4.29	-76.24	99	1.4	0.1	158	8	BOLIVAR (VALLE)
5200	Oct 27 2016	16:50:23.3	6.77	-73.14	150	0.9	0.3	137	8	LOS SANTOS (SANTANDER)
5201	Oct 27 2016	17:19:42.0	6.77	-73.09	144	2.2	0.3	97	25	LOS SANTOS (SANTANDER)
5202	Oct 27 2016	17:23:45.0	5.40	-73.79	138	1.9	0.5	120	20	FUQUENE (CUNDINAMARCA)
5203	Oct 27 2016	17:44: 9.2	10.46	-73.12	26	2.1	0.2	149	10	LA PAZ (CESAR)
5204	Oct 27 2016	20:05:27.3	6.78	-73.16	144	1.5	0.3	141	9	LOS SANTOS (SANTANDER)
5205	Oct 27 2016	21:16:43.2	5.05	-72.86	Sup	1.9	0.6	256	14	TAURAMENA (CASANARE)
5206	Oct 27 2016	22:40:37.3	7.95	-73.53	113	1.4	0.2	294	8	SAN MARTIN (CESAR)
5207	Oct 27 2016	22:44:35.4	5.00	-73.27	Sup	1.8	0.8	113	22	MACANAL (BOYACA)
5208	Oct 27 2016	22:53:35.9	6.66	-74.19	12	1.6	0.3	157	16	PUERTO PARRA (SANTANDER)
5209	Oct 27 2016	23:09:32.3	6.78	-73.13	147	1.6	0.4	138	10	LOS SANTOS (SANTANDER)
5210	Oct 28 2016	03:36:16.0	5.06	-74.97	8	0.9	0.3	157	10	FALAN (TOLIMA)
5211	Oct 28 2016	03:55:37.9	6.77	-73.16	144	1.4	0.4	135	12	LOS SANTOS (SANTANDER)
5212	Oct 28 2016	04:24:12.6	7.71	-73.33	118	2.7	0.5	113	36	SAN ALBERTO (CESAR)
5213	Oct 28 2016	05:01:38.8	6.80	-73.13	143	1.9	0.5	138	18	LOS SANTOS (SANTANDER)
5214	Oct 28 2016	05:10:41.2	6.79	-73.09	139	2.2	0.5	143	22	LOS SANTOS (SANTANDER)
5215	Oct 28 2016	05:15:34.6	5.42	-75.95	21	1.4	0.5	139	11	MISTRATO (RISARALDA)
5216	Oct 28 2016	05:17:52.1	5.72	-73.89	112	1.8	0.3	133	22	TUNUNGUA (BOYACA)
5217	Oct 28 2016	05:34:58.6	8.79	-73.59	112	1.7	0.4	120	18	PELAYA (CESAR)
5218	Oct 28 2016	05:41:47.2	6.80	-73.13	148	3.5	0.6	71	38	LOS SANTOS (SANTANDER)
5219	Oct 28 2016	06:17: 3.1	7.19	-74.11	Sup	1.5	0.5	209	11	PUERTO WILCHES (SANTANDER)
5220	Oct 28 2016	06:18: 5.2	7.14	-74.09	Sup	1.9	0.6	206	16	YONDO (ANTIOQUIA)
5221	Oct 28 2016	06:47: 8.5	6.78	-73.15	143	2.2	0.3	136	31	LOS SANTOS (SANTANDER)
5222	Oct 28 2016	07:16: 9.0	5.35	-74.69	10	1.7	0.4	226	12	LA DORADA (CALDAS)
5223	Oct 28 2016	07:25:24.6	3.82	-71.39	Sup	2.2	0.3	233	17	PUERTO GAITAN (META)
5224	Oct 28 2016	07:31:30.2	6.14	-73.67	111	1.5	0.3	69	18	CHIPATA (SANTANDER)
5225	Oct 28 2016	07:39:50.3	2.19	-75.51	27	0.8	0.3	198	8	GARZON (HUILA)
5226	Oct 28 2016	08:09:27.0	6.84	-73.13	140	1.1	0.3	136	10	LOS SANTOS (SANTANDER)
5227	Oct 28 2016	08:11:37.2	1.95	-75.91	Sup	1.5	0.4	98	17	TIMANA (HUILA)
5228	Oct 28 2016	09:26:31.8	6.37	-73.58	108	1.1	0.3	122	11	SANTA HELENA DEL OPO (SANTANDER)
5229	Oct 28 2016	09:39: 3.9	6.79	-73.10	140	1.7	0.3	141	22	LOS SANTOS (SANTANDER)
5230	Oct 28 2016	10:34:32.4	3.43	-74.18	Sup	1.2	0.3	206	13	MESETAS (META)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5231	Oct 28 2016	11:05:34.5	6.78	-73.11	140	1.4	0.2	142	11	LOS SANTOS (SANTANDER)
5232	Oct 28 2016	11:16:28.5	1.90	-75.98	Sup	0.8	0.2	156	8	PITALITO (HUILA)
5233	Oct 28 2016	11:32: 2.7	6.76	-73.13	149	1.7	0.3	140	20	LOS SANTOS (SANTANDER)
5234	Oct 28 2016	11:44:14.4	6.79	-73.14	145	2.6	0.4	71	46	LOS SANTOS (SANTANDER)
5235	Oct 28 2016	11:55:38.0	6.79	-73.13	150	3.7	0.4	67	82	LOS SANTOS (SANTANDER)
5236	Oct 28 2016	12:12:45.6	6.10	-73.70	102	1.4	0.4	72	19	CHIPATA (SANTANDER)
5237	Oct 28 2016	12:29:27.0	6.77	-73.12	145	1.5	0.3	140	17	LOS SANTOS (SANTANDER)
5238	Oct 28 2016	13:05:13.2	6.81	-73.15	143	1.6	0.4	135	16	LOS SANTOS (SANTANDER)
5239	Oct 28 2016	13:06:14.8	6.81	-73.16	145	1.9	0.5	133	20	LOS SANTOS (SANTANDER)
5240	Oct 28 2016	13:32:24.3	5.86	-73.82	110	1.3	0.1	88	9	JESUS MARIA (SANTANDER)
5241	Oct 28 2016	13:37:23.0	6.79	-73.13	146	1.8	0.4	139	20	LOS SANTOS (SANTANDER)
5242	Oct 28 2016	14:03: 3.3	5.98	-74.00	84	1.0	0.2	145	10	LA BELLEZA (SANTANDER)
5243	Oct 28 2016	14:33:14.5	6.80	-73.16	144	1.7	0.4	134	12	LOS SANTOS (SANTANDER)
5244	Oct 28 2016	14:45:54.4	6.42	-73.32	128	1.8	0.4	116	19	SIMACOTA (SANTANDER)
5245	Oct 28 2016	14:52:29.9	6.75	-73.12	144	1.6	0.3	142	22	LOS SANTOS (SANTANDER)
5246	Oct 28 2016	15:08:34.6	5.11	-77.92	87	2.0	0.1	277	12	O. PACIFICO CENTRO
5247	Oct 28 2016	15:27:31.1	6.76	-73.15	141	1.3	0.2	137	12	LOS SANTOS (SANTANDER)
5248	Oct 28 2016	15:46:51.3	6.86	-73.28	122	2.2	0.5	108	28	BETULIA (SANTANDER)
5249	Oct 28 2016	16:01:53.7	6.89	-73.17	124	1.1	0.2	128	11	BETULIA (SANTANDER)
5250	Oct 28 2016	16:24:44.5	6.75	-73.10	143	2.0	0.3	124	24	LOS SANTOS (SANTANDER)
5251	Oct 28 2016	17:19:33.3	6.77	-73.13	146	1.7	0.6	140	14	LOS SANTOS (SANTANDER)
5252	Oct 28 2016	17:39:30.6	6.79	-73.17	147	1.7	0.4	134	16	LOS SANTOS (SANTANDER)
5253	Oct 28 2016	17:41:53.5	6.77	-73.21	160	1.2	0.1	130	7	ZAPATOCA (SANTANDER)
5254	Oct 28 2016	18:19:11.7	6.80	-73.15	149	1.6	0.5	136	11	LOS SANTOS (SANTANDER)
5255	Oct 28 2016	18:20:31.8	6.79	-73.12	151	1.8	0.4	140	9	LOS SANTOS (SANTANDER)
5256	Oct 28 2016	18:35:22.7	6.78	-73.12	143	1.6	0.2	139	8	LOS SANTOS (SANTANDER)
5257	Oct 28 2016	19:17:40.3	5.79	-72.66	Sup	1.8	0.7	224	16	GAMEZA (BOYACA)
5258	Oct 28 2016	19:27:49.7	5.25	-74.51	Sup	1.2	0.2	191	10	UTICA (CUNDINAMARCA)
5259	Oct 28 2016	19:31:48.3	5.53	-72.72	Sup	1.8	0.5	110	22	LABRANZAGRANDE (BOYACA)
5260	Oct 28 2016	20:25:52.7	2.20	-77.40	111	1.9	0.5	140	20	ARGELIA (CAUCA)
5261	Oct 28 2016	20:27:35.5	6.77	-73.11	144	1.5	0.3	142	9	LOS SANTOS (SANTANDER)
5262	Oct 28 2016	22:10:15.7	7.43	-73.11	141	1.4	0.3	221	8	EL PLAYON (SANTANDER)
5263	Oct 28 2016	22:38:53.3	3.79	-75.38	41	1.9	0.4	181	13	CHAPARRAL (TOLIMA)
5264	Oct 28 2016	23:28: 3.7	6.78	-73.12	149	1.7	0.5	98	19	LOS SANTOS (SANTANDER)
5265	Oct 28 2016	23:54:56.2	4.98	-75.89	66	1.5	0.3	166	14	BALBOA (RISARALDA)
5266	Oct 29 2016	00:24: 6.8	6.64	-73.74	100	1.1	0.1	194	7	EL CARMEN (SANTANDER)
5267	Oct 29 2016	00:32:41.8	6.79	-76.67	Sup	1.7	0.5	280	11	MURINDO (ANTIOQUIA)
5268	Oct 29 2016	02:07:35.6	2.49	-75.16	11	1.3	0.4	196	8	ALGECIRAS (HUILA)
5269	Oct 29 2016	02:17:25.0	6.83	-73.17	141	1.1	0.5	237	11	ZAPATOCA (SANTANDER)
5270	Oct 29 2016	02:25:49.2	6.79	-73.11	149	1.9	0.7	122	18	LOS SANTOS (SANTANDER)
5271	Oct 29 2016	02:49:39.3	6.82	-73.16	145	1.8	0.5	132	13	LOS SANTOS (SANTANDER)
5272	Oct 29 2016	06:43:51.9	6.80	-73.11	138	1.5	0.5	140	17	LOS SANTOS (SANTANDER)
5273	Oct 29 2016	06:56:51.8	10.49	-72.51	Sup	2.9	0.5	147	25	FRONTERA CON VENEZUELA
5274	Oct 29 2016	07:19: 3.1	6.80	-73.13	149	1.4	0.2	137	13	LOS SANTOS (SANTANDER)
5275	Oct 29 2016	08:00:43.6	3.81	-76.53	129	1.7	0.3	172	12	RESTREPO (VALLE)
5276	Oct 29 2016	08:15:59.2	6.72	-73.22	143	1.2	0.3	222	7	VILLANUEVA (SANTANDER)
5277	Oct 29 2016	08:59:55.2	6.77	-73.10	142	1.1	0.3	144	8	LOS SANTOS (SANTANDER)
5278	Oct 29 2016	09:26:37.0	4.99	-72.65	Sup	1.1	0.4	172	9	TAURAMENA (CASANARE)
5279	Oct 29 2016	09:27:57.7	6.78	-73.09	144	1.4	0.3	143	9	LOS SANTOS (SANTANDER)
5280	Oct 29 2016	10:25:19.8	6.76	-73.14	147	1.4	0.1	138	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5281	Oct 29 2016	11:35:33.1	6.77	-73.15	142	1.5	0.3	137	10	LOS SANTOS (SANTANDER)
5282	Oct 29 2016	12:37:15.2	6.51	-73.80	93	1.4	0.3	142	9	CIMITARRA (SANTANDER)
5283	Oct 29 2016	13:49:26.5	2.30	-75.71	Sup	1.6	0.3	202	8	AGRADO (HUILA)
5284	Oct 29 2016	15:09:47.2	6.76	-73.16	141	2.2	0.2	136	27	LOS SANTOS (SANTANDER)
5285	Oct 29 2016	15:33: 8.3	5.43	-74.91	Sup	1.7	0.4	118	14	SAMANA (CALDAS)
5286	Oct 29 2016	15:38:56.0	6.40	-73.63	104	2.5	0.3	75	33	SANTA HELENA DEL OPON (SANTANDER)
5287	Oct 29 2016	15:54:49.2	4.89	-74.80	Sup	1.1	0.5	190	9	BELTRAN (CUNDINAMARCA)
5288	Oct 29 2016	16:26: 9.3	2.93	-74.85	9	1.3	0.1	177	8	BARAYA (HUILA)
5289	Oct 29 2016	16:36:25.7	6.76	-73.10	141	2.8	0.5	95	50	LOS SANTOS (SANTANDER)
5290	Oct 29 2016	17:54:33.2	5.92	-74.07	88	1.5	0.4	73	24	LA BELLEZA (SANTANDER)
5291	Oct 29 2016	18:05:58.8	6.82	-73.12	148	3.1	0.5	71	50	LOS SANTOS (SANTANDER)
5292	Oct 29 2016	18:35: 9.8	6.80	-73.17	144	1.8	0.4	133	21	LOS SANTOS (SANTANDER)
5293	Oct 29 2016	20:03:22.4	3.19	-76.62	117	1.8	0.1	298	10	JAMUNDI (VALLE)
5294	Oct 29 2016	20:04:52.2	6.81	-73.14	141	3.2	0.7	68	65	LOS SANTOS (SANTANDER)
5295	Oct 29 2016	20:22:16.1	6.77	-73.13	150	3.1	0.4	66	54	LOS SANTOS (SANTANDER)
5296	Oct 29 2016	21:24:27.9	6.80	-73.10	156	1.3	0.3	141	8	LOS SANTOS (SANTANDER)
5297	Oct 29 2016	21:51:52.9	6.78	-73.16	144	2.1	0.4	70	32	LOS SANTOS (SANTANDER)
5298	Oct 29 2016	22:46:21.3	6.75	-73.11	144	1.3	0.3	142	8	LOS SANTOS (SANTANDER)
5299	Oct 29 2016	23:29:12.8	6.76	-73.08	140	1.8	0.4	146	20	LOS SANTOS (SANTANDER)
5300	Oct 30 2016	01:24:57.8	6.82	-73.15	146	2.7	0.6	105	33	LOS SANTOS (SANTANDER)
5301	Oct 30 2016	01:56:45.2	6.05	-73.90	Sup	0.9	0.6	108	9	EL PENON (SANTANDER)
5302	Oct 30 2016	02:02:31.6	6.80	-73.17	145	1.8	0.4	132	16	LOS SANTOS (SANTANDER)
5303	Oct 30 2016	02:23:19.8	7.17	-76.23	Sup	1.5	0.4	241	8	DABEIBA (ANTIOQUIA)
5304	Oct 30 2016	02:26:22.1	6.04	-73.91	Sup	1.8	0.5	102	20	EL PENON (SANTANDER)
5305	Oct 30 2016	02:35:14.3	4.70	-74.59	19	1.3	0.4	125	10	QUIPILE (CUNDINAMARCA)
5306	Oct 30 2016	02:51:21.7	6.79	-73.11	142	1.4	0.4	141	18	LOS SANTOS (SANTANDER)
5307	Oct 30 2016	02:54: 0.4	6.86	-73.11	151	1.3	0.6	152	10	LOS SANTOS (SANTANDER)
5308	Oct 30 2016	03:26: 4.9	6.54	-73.53	114	1.9	0.5	73	22	EL CARMEN (SANTANDER)
5309	Oct 30 2016	03:33: 5.7	6.77	-73.16	151	1.4	0.3	234	10	LOS SANTOS (SANTANDER)
5310	Oct 30 2016	03:42: 1.4	7.45	-77.27	13	2.9	0.7	153	10	RIOSUCIO (CHOCO)
5311	Oct 30 2016	04:26:34.5	3.96	-76.35	119	1.9	0.4	265	8	BUGA (VALLE)
5312	Oct 30 2016	04:30:31.8	6.76	-73.16	143	1.7	0.4	232	10	LOS SANTOS (SANTANDER)
5313	Oct 30 2016	05:50:35.4	6.79	-73.15	146	2.5	0.5	100	29	LOS SANTOS (SANTANDER)
5314	Oct 30 2016	05:56:54.2	6.76	-73.12	146	1.8	0.2	141	10	LOS SANTOS (SANTANDER)
5315	Oct 30 2016	06:30:57.5	5.49	-74.40	15	1.1	0.4	130	13	YACOPI (CUNDINAMARCA)
5316	Oct 30 2016	06:50: 4.7	5.96	-74.21	25	0.9	0.4	125	9	LA BELLEZA (SANTANDER)
5317	Oct 30 2016	07:30: 1.8	4.78	-74.70	Sup	1.0	0.3	201	8	BELTRAN (CUNDINAMARCA)
5318	Oct 30 2016	07:52:10.7	6.76	-73.16	147	1.7	0.3	233	10	LOS SANTOS (SANTANDER)
5319	Oct 30 2016	07:55:40.6	6.07	-73.94	Sup	2.4	0.8	69	32	EL PENON (SANTANDER)
5320	Oct 30 2016	08:10:12.7	6.80	-73.17	155	1.5	0.5	234	10	LOS SANTOS (SANTANDER)
5321	Oct 30 2016	08:14: 9.1	10.49	-73.10	133	1.2	0.2	199	9	LA PAZ (CESAR)
5322	Oct 30 2016	08:57:47.4	6.78	-73.12	149	1.6	0.3	139	12	LOS SANTOS (SANTANDER)
5323	Oct 30 2016	09:10:18.0	6.77	-73.15	156	1.1	0.4	234	8	LOS SANTOS (SANTANDER)
5324	Oct 30 2016	09:28:47.2	6.80	-73.15	147	3.1	0.6	102	39	LOS SANTOS (SANTANDER)
5325	Oct 30 2016	09:44: 4.0	6.77	-73.08	149	1.1	0.2	242	8	LOS SANTOS (SANTANDER)
5326	Oct 30 2016	09:45:18.6	6.75	-73.18	149	1.3	0.4	159	9	VILLANUEVA (SANTANDER)
5327	Oct 30 2016	10:21:26.3	9.43	-73.13	141	2.1	0.3	142	21	FRONTERA CON VENEZUELA
5328	Oct 30 2016	10:46:49.2	8.71	-74.52	26	1.8	0.3	178	12	ACHI (BOLIVAR)
5329	Oct 30 2016	11:54:33.2	6.74	-73.18	142	1.3	0.1	229	12	VILLANUEVA (SANTANDER)
5330	Oct 30 2016	12:15: 8.3	6.77	-73.13	151	2.3	0.4	97	37	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5331	Oct 30 2016	12:56:35.2	6.81	-73.13	150	4.0	0.5	66	78	LOS SANTOS (SANTANDER)
5332	Oct 30 2016	13:01:23.8	6.75	-73.14	152	1.8	0.4	139	21	LOS SANTOS (SANTANDER)
5333	Oct 30 2016	13:11:26.0	4.96	-77.54	Sup	2.1	0.5	186	23	O. PACIFICO CENTRO
5334	Oct 30 2016	13:21: 4.5	5.54	-74.00	127	1.4	0.3	242	10	MARIPI (BOYACA)
5335	Oct 30 2016	14:24:35.4	7.27	-75.02	6	1.1	0.6	143	14	ANORI (ANTIOQUIA)
5336	Oct 30 2016	15:42:28.0	4.65	-76.13	Sup	1.3	0.2	199	12	ARGELIA (VALLE)
5337	Oct 30 2016	16:13:35.3	4.60	-76.16	Sup	1.2	0.5	142	13	VERSALLES (VALLE)
5338	Oct 30 2016	16:36: 9.0	6.77	-73.10	142	2.2	0.3	97	35	LOS SANTOS (SANTANDER)
5339	Oct 30 2016	17:14:23.7	6.79	-73.10	149	1.6	0.3	143	18	LOS SANTOS (SANTANDER)
5340	Oct 30 2016	17:29:36.8	5.41	-75.96	20	1.2	0.5	142	14	MISTRATO (RISARALDA)
5341	Oct 30 2016	18:09:30.7	6.78	-73.08	153	1.2	0.3	145	8	LOS SANTOS (SANTANDER)
5342	Oct 30 2016	18:17:29.3	6.78	-73.14	143	1.6	0.5	137	14	LOS SANTOS (SANTANDER)
5343	Oct 30 2016	18:20:31.0	5.63	-73.51	164	1.6	0.5	157	19	VILLA DE LEIVA (BOYACA)
5344	Oct 30 2016	19:51:22.6	6.04	-73.89	Sup	1.7	0.7	103	29	EL PENON (SANTANDER)
5345	Oct 30 2016	20:49:34.7	6.84	-73.00	141	1.4	0.3	152	10	CEPITA (SANTANDER)
5346	Oct 30 2016	20:57:10.3	6.84	-73.12	147	1.6	0.2	137	15	LOS SANTOS (SANTANDER)
5347	Oct 30 2016	22:02:46.2	6.78	-73.16	136	1.3	0.2	141	8	LOS SANTOS (SANTANDER)
5348	Oct 30 2016	22:41:20.9	6.66	-73.57	109	1.1	0.2	114	10	EL CARMEN (SANTANDER)
5349	Oct 30 2016	23:01:23.3	6.78	-73.13	147	2.1	0.4	139	24	LOS SANTOS (SANTANDER)
5350	Oct 30 2016	23:15: 3.9	6.75	-73.10	141	1.2	0.3	145	8	LOS SANTOS (SANTANDER)
5351	Oct 30 2016	23:41: 9.5	6.77	-73.13	128	1.2	0.6	139	11	LOS SANTOS (SANTANDER)
5352	Oct 31 2016	00:20:12.6	3.40	-74.63	13	5.2	1.3	62	0	COLOMBIA (HUILA)
5353	Oct 31 2016	00:20:12.6	3.40	-74.63	13	5.2	1.3	62	134	COLOMBIA (HUILA)
5354	Oct 31 2016	00:38:14.2	6.85	-73.15	138	1.6	0.4	133	12	LOS SANTOS (SANTANDER)
5355	Oct 31 2016	01:01:35.1	6.78	-73.15	156	0.9	0.1	136	7	LOS SANTOS (SANTANDER)
5356	Oct 31 2016	01:12:18.7	6.00	-73.92	Sup	0.9	0.7	105	9	EL PENON (SANTANDER)
5357	Oct 31 2016	01:22:39.3	6.76	-73.15	145	1.3	0.5	137	10	LOS SANTOS (SANTANDER)
5358	Oct 31 2016	01:31:38.4	3.51	-74.73	27	1.2	0.8	163	10	COLOMBIA (HUILA)
5359	Oct 31 2016	01:55:32.1	3.33	-74.67	23	1.4	0.4	279	9	COLOMBIA (HUILA)
5360	Oct 31 2016	01:59:40.8	1.96	-76.07	Sup	1.6	0.5	108	15	SALADOBLANCO (HUILA)
5361	Oct 31 2016	02:05:58.8	3.41	-74.61	Sup	4.8	1.9	61	0	COLOMBIA (HUILA)
5362	Oct 31 2016	02:05:58.8	3.41	-74.61	0	4.8	1.9	61	103	COLOMBIA (HUILA)
5363	Oct 31 2016	02:30:28.4	6.79	-73.15	149	1.3	0.4	136	10	LOS SANTOS (SANTANDER)
5364	Oct 31 2016	02:56:12.1	6.79	-73.18	158	1.3	0.3	233	10	LOS SANTOS (SANTANDER)
5365	Oct 31 2016	03:10:22.7	3.41	-74.63	Sup	1.7	0.6	111	20	COLOMBIA (HUILA)
5366	Oct 31 2016	03:20:39.7	3.39	-74.65	8	2.6	0.6	62	51	COLOMBIA (HUILA)
5367	Oct 31 2016	03:35:13.3	6.74	-73.17	151	0.8	0.4	229	7	VILLANUEVA (SANTANDER)
5368	Oct 31 2016	03:41:59.4	7.03	-76.32	9	1.0	0.2	243	7	DABEIBA (ANTIOQUIA)
5369	Oct 31 2016	03:54: 8.6	7.38	-73.20	132	1.5	0.1	214	8	EL PLAYON (SANTANDER)
5370	Oct 31 2016	04:01:50.3	6.79	-73.13	141	2.1	0.5	101	32	LOS SANTOS (SANTANDER)
5371	Oct 31 2016	04:26:46.6	6.83	-73.09	142	0.7	0.3	142	6	LOS SANTOS (SANTANDER)
5372	Oct 31 2016	04:33:14.2	5.76	-73.99	103	1.2	0.7	135	10	FLORIAN (SANTANDER)
5373	Oct 31 2016	04:34: 0.6	6.76	-73.14	148	1.4	0.2	138	11	LOS SANTOS (SANTANDER)
5374	Oct 31 2016	04:39:21.5	5.57	-74.08	106	1.1	0.4	110	11	MUZO (BOYACA)
5375	Oct 31 2016	05:00:51.7	3.48	-74.76	26	1.5	0.7	103	18	COLOMBIA (HUILA)
5376	Oct 31 2016	05:23:48.9	6.73	-73.22	155	1.1	0.3	223	8	VILLANUEVA (SANTANDER)
5377	Oct 31 2016	05:31:37.4	6.76	-73.16	148	1.0	0.3	136	8	LOS SANTOS (SANTANDER)
5378	Oct 31 2016	05:31:53.1	9.44	-73.59	151	1.1	0.1	251	8	CHIRIGUANA (CESAR)
5379	Oct 31 2016	05:53: 4.2	3.48	-74.50	18	1.1	0.5	253	10	URIBE (META)
5380	Oct 31 2016	06:14:46.0	3.46	-74.67	12	2.2	0.7	75	40	COLOMBIA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5381	Oct 31 2016	06:40:22.1	6.80	-73.11	149	3.0	0.8	68	58	LOS SANTOS (SANTANDER)
5382	Oct 31 2016	07:17:23.6	3.44	-74.65	Sup	1.9	0.7	171	11	COLOMBIA (HUILA)
5383	Oct 31 2016	07:42:52.6	3.43	-74.61	Sup	1.3	0.5	173	10	COLOMBIA (HUILA)
5384	Oct 31 2016	08:12:50.0	6.04	-73.66	114	1.5	0.3	79	20	VELEZ (SANTANDER)
5385	Oct 31 2016	08:19: 8.1	6.49	-73.54	116	0.9	0.1	130	8	SANTA HELENA DEL OPON (SANTANDER)
5386	Oct 31 2016	10:15:52.8	6.35	-73.62	114	0.9	0.3	139	8	SANTA HELENA DEL OPON (SANTANDER)
5387	Oct 31 2016	11:14:28.3	6.82	-73.13	134	1.0	0.4	241	8	LOS SANTOS (SANTANDER)
5388	Oct 31 2016	11:33:57.1	3.44	-74.66	14	2.1	0.5	170	30	COLOMBIA (HUILA)
5389	Oct 31 2016	11:51:55.0	6.81	-73.21	147	1.2	0.3	128	11	ZAPATOCA (SANTANDER)
5390	Oct 31 2016	11:59:38.3	6.84	-73.21	143	1.1	0.3	127	9	ZAPATOCA (SANTANDER)
5391	Oct 31 2016	12:57: 7.7	10.50	-72.68	10	3.2	0.4	138	30	FRONTERA CON VENEZUELA
5392	Oct 31 2016	13:05:23.3	3.42	-74.67	17	2.5	0.6	199	14	COLOMBIA (HUILA)
5393	Oct 31 2016	13:08: 5.2	6.78	-73.07	139	2.5	0.5	125	29	LOS SANTOS (SANTANDER)
5394	Oct 31 2016	13:33:11.1	6.80	-73.17	150	2.3	0.5	133	20	LOS SANTOS (SANTANDER)
5395	Oct 31 2016	15:42:45.4	6.82	-73.16	145	1.9	0.3	133	17	LOS SANTOS (SANTANDER)
5396	Oct 31 2016	15:46:50.5	6.62	-72.83	Sup	2.1	0.5	187	18	MOLAGAVITA (SANTANDER)
5397	Oct 31 2016	15:51:19.7	6.60	-72.86	Sup	1.3	0.5	184	9	MOLAGAVITA (SANTANDER)
5398	Oct 31 2016	16:11:35.5	3.44	-74.70	20	1.7	0.5	173	13	COLOMBIA (HUILA)
5399	Oct 31 2016	16:17:38.3	5.24	-73.74	145	1.2	0.3	133	8	CUCUNUBA (CUNDINAMARCA)
5400	Oct 31 2016	16:22:44.7	4.64	-75.81	47	1.2	0.2	99	12	ALCALA (VALLE)
5401	Oct 31 2016	16:44: 2.9	3.36	-74.59	8	1.7	0.4	183	16	COLOMBIA (HUILA)
5402	Oct 31 2016	17:10:28.2	6.34	-73.71	95	1.3	0.3	121	10	SANTA HELENA DEL OPON (SANTANDER)
5403	Oct 31 2016	18:12:59.9	6.80	-73.17	140	2.0	0.3	132	24	LOS SANTOS (SANTANDER)
5404	Oct 31 2016	18:52:36.6	3.43	-74.67	22	2.0	0.4	158	22	COLOMBIA (HUILA)
5405	Oct 31 2016	19:26:23.1	6.84	-73.22	140	1.8	0.5	125	20	ZAPATOCA (SANTANDER)
5406	Oct 31 2016	21:18:51.3	3.69	-76.96	Sup	1.9	0.4	144	12	BUENAVENTURA (VALLE)
5407	Oct 31 2016	23:26:56.0	10.59	-73.73	23	1.3	0.2	173	8	PUEBLO BELLO (CESAR)
5408	Nov 1 2016	00:29:45.9	6.81	-73.14	144	2.9	0.6	71	53	LOS SANTOS (SANTANDER)
5409	Nov 1 2016	00:29:45.9	6.81	-73.14	144	2.9	0.6	71	53	LOS SANTOS (SANTANDER)
5410	Nov 1 2016	00:40:35.9	5.29	-73.81	143	1.3	0.5	122	11	UBATE (CUNDINAMARCA)
5411	Nov 1 2016	00:52:56.7	7.52	-74.03	22	0.8	0.5	255	8	SAN PABLO (BOLIVAR)
5412	Nov 1 2016	01:38:20.7	5.14	-76.58	70	1.7	0.5	230	13	CONDOTO (CHOCO)
5413	Nov 1 2016	01:47: 3.6	6.82	-73.06	146	1.1	0.6	146	8	LOS SANTOS (SANTANDER)
5414	Nov 1 2016	02:17:12.3	6.83	-73.14	150	1.3	0.4	135	8	LOS SANTOS (SANTANDER)
5415	Nov 1 2016	02:29:14.1	6.79	-73.16	145	2.1	0.3	70	27	LOS SANTOS (SANTANDER)
5416	Nov 1 2016	02:43:33.3	6.78	-73.13	143	1.6	0.4	138	13	LOS SANTOS (SANTANDER)
5417	Nov 1 2016	03:06:19.7	2.44	-75.61	Sup	0.9	0.1	152	10	GIGANTE (HUILA)
5418	Nov 1 2016	03:07: 8.7	5.89	-73.80	102	1.2	0.4	225	9	JESUS MARIA (SANTANDER)
5419	Nov 1 2016	03:07:11.5	2.43	-75.52	19	1.3	0.4	147	12	GIGANTE (HUILA)
5420	Nov 1 2016	03:19:41.1	9.05	-73.73	110	1.5	0.4	132	15	PAILITAS (CESAR)
5421	Nov 1 2016	03:45: 2.8	6.80	-73.13	149	1.5	0.4	137	16	LOS SANTOS (SANTANDER)
5422	Nov 1 2016	03:50:27.9	6.73	-73.09	152	1.6	0.2	125	12	JORDAN (SANTANDER)
5423	Nov 1 2016	05:46:50.1	6.77	-73.16	146	3.1	0.4	71	53	LOS SANTOS (SANTANDER)
5424	Nov 1 2016	06:07:10.7	6.81	-73.13	150	1.5	0.5	239	14	LOS SANTOS (SANTANDER)
5425	Nov 1 2016	06:11:24.3	6.78	-73.11	145	2.0	0.4	98	20	LOS SANTOS (SANTANDER)
5426	Nov 1 2016	06:17:47.0	4.20	-75.84	Sup	0.8	0.6	130	10	GENOVA (QUINDIO)
5427	Nov 1 2016	06:27:40.9	6.85	-73.10	150	1.7	0.5	246	19	LOS SANTOS (SANTANDER)
5428	Nov 1 2016	07:01:35.2	6.85	-73.32	129	1.2	0.3	110	10	BETULIA (SANTANDER)
5429	Nov 1 2016	07:08:28.7	6.74	-73.09	143	1.7	0.4	125	21	LOS SANTOS (SANTANDER)
5430	Nov 1 2016	07:29:18.1	6.70	-73.18	151	1.1	0.3	226	7	VILLANUEVA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5431	Nov 1 2016	07:49:21.8	6.78	-73.13	147	1.0	0.3	138	7	LOS SANTOS (SANTANDER)
5432	Nov 1 2016	08:53:27.0	2.83	-74.88	Sup	1.7	0.4	91	20	TELLO (HUILA)
5433	Nov 1 2016	09:18:48.6	4.61	-76.16	Sup	1.5	0.5	142	16	VERSALLES (VALLE)
5434	Nov 1 2016	09:31:29.3	6.80	-73.17	151	1.4	0.3	133	8	LOS SANTOS (SANTANDER)
5435	Nov 1 2016	10:52:27.4	6.78	-73.17	142	1.4	0.3	134	10	LOS SANTOS (SANTANDER)
5436	Nov 1 2016	11:29:20.1	6.77	-73.14	141	1.8	0.4	138	14	LOS SANTOS (SANTANDER)
5437	Nov 1 2016	11:58:40.5	6.82	-73.19	145	1.9	0.3	129	16	ZAPATOCA (SANTANDER)
5438	Nov 1 2016	12:27:57.5	6.77	-73.14	152	1.5	0.4	138	8	LOS SANTOS (SANTANDER)
5439	Nov 1 2016	12:44:19.0	9.65	-73.13	Sup	1.8	0.6	140	14	BECERRIL (CESAR)
5440	Nov 1 2016	13:30:48.4	6.78	-73.18	133	1.2	0.1	132	10	ZAPATOCA (SANTANDER)
5441	Nov 1 2016	14:37: 2.7	6.83	-73.14	139	1.6	0.5	135	12	LOS SANTOS (SANTANDER)
5442	Nov 1 2016	15:10: 9.4	6.77	-73.15	136	2.5	0.4	137	20	LOS SANTOS (SANTANDER)
5443	Nov 1 2016	15:22:38.3	6.81	-73.19	137	1.8	0.3	145	13	ZAPATOCA (SANTANDER)
5444	Nov 1 2016	15:34: 7.6	6.82	-73.14	143	2.2	0.5	136	25	LOS SANTOS (SANTANDER)
5445	Nov 1 2016	16:05:56.7	0.77	-77.90	Sup	2.7	0.5	145	12	LOS SANTOS (SANTANDER)
5446	Nov 1 2016	16:39:15.6	5.94	-73.64	124	1.7	0.5	89	18	BARBOSA (SANTANDER)
5447	Nov 1 2016	17:16:36.3	4.27	-76.23	129	1.6	0.4	155	14	BOLIVAR (VALLE)
5448	Nov 1 2016	17:37:12.0	6.80	-73.16	143	1.9	0.4	236	16	LOS SANTOS (SANTANDER)
5449	Nov 1 2016	17:40:46.3	6.79	-73.15	145	1.9	0.4	135	16	LOS SANTOS (SANTANDER)
5450	Nov 1 2016	18:23:42.0	6.81	-73.14	142	1.9	0.3	136	20	LOS SANTOS (SANTANDER)
5451	Nov 1 2016	18:26:45.7	6.78	-73.11	142	1.6	0.3	141	12	LOS SANTOS (SANTANDER)
5452	Nov 1 2016	18:44:29.3	6.40	-73.53	22	0.9	0.2	140	8	SANTA HELENA DEL OPOON (SANTANDER)
5453	Nov 1 2016	19:14:25.5	2.87	-78.07	Sup	1.5	0.4	190	7	O. PACIFICO SUR
5454	Nov 1 2016	19:56:53.8	6.79	-73.14	142	2.9	0.6	71	42	LOS SANTOS (SANTANDER)
5455	Nov 1 2016	20:51:21.3	9.84	-75.30	29	3.2	0.6	158	39	MARIA LA BAJA (BOLIVAR)
5456	Nov 1 2016	21:11:13.2	6.77	-73.17	150	1.5	0.3	134	12	LOS SANTOS (SANTANDER)
5457	Nov 1 2016	22:39:42.7	6.77	-73.09	144	1.4	0.2	144	12	LOS SANTOS (SANTANDER)
5458	Nov 1 2016	22:41:39.4	2.85	-78.14	Sup	1.6	0.1	200	8	O. PACIFICO SUR
5459	Nov 1 2016	22:43:45.3	6.78	-73.14	145	1.8	0.3	138	23	LOS SANTOS (SANTANDER)
5460	Nov 1 2016	23:37:44.2	7.12	-76.21	Sup	1.5	0.4	228	8	DABEIBA (ANTIOQUIA)
5461	Nov 1 2016	23:38:32.2	6.90	-73.29	124	2.5	0.5	54	44	BETULIA (SANTANDER)
5462	Nov 2 2016	00:40:58.0	6.78	-73.13	148	1.5	0.4	138	17	LOS SANTOS (SANTANDER)
5463	Nov 2 2016	00:48: 0.2	3.54	-74.71	Sup	1.7	0.5	163	23	DOLORES (TOLIMA)
5464	Nov 2 2016	01:03:35.3	4.89	-76.27	104	2.8	0.5	84	0	SAN JOSE DEL PALMAR (CHOCO)
5465	Nov 2 2016	01:03:35.3	4.89	-76.27	104	2.8	0.5	84	53	SAN JOSE DEL PALMAR (CHOCO)
5466	Nov 2 2016	01:23:33.8	3.55	-74.70	Sup	1.2	0.5	256	12	DOLORES (TOLIMA)
5467	Nov 2 2016	02:05:28.7	6.84	-73.13	146	1.4	0.4	242	14	LOS SANTOS (SANTANDER)
5468	Nov 2 2016	02:26:40.5	5.94	-73.79	116	1.3	0.4	112	15	SUCRE (SANTANDER)
5469	Nov 2 2016	02:56:40.4	6.24	-73.66	109	1.0	0.1	170	7	LA PAZ (SANTANDER)
5470	Nov 2 2016	03:03: 5.0	6.78	-73.13	142	1.5	0.4	138	14	LOS SANTOS (SANTANDER)
5471	Nov 2 2016	03:21: 9.4	6.72	-73.20	154	1.0	0.2	225	7	VILLANUEVA (SANTANDER)
5472	Nov 2 2016	03:42:55.0	6.79	-73.13	144	1.1	0.4	239	8	LOS SANTOS (SANTANDER)
5473	Nov 2 2016	04:00:21.0	5.86	-74.20	87	1.6	0.4	60	24	OTANCHE (BOYACA)
5474	Nov 2 2016	04:19:55.4	6.76	-73.12	145	2.1	0.4	122	33	LOS SANTOS (SANTANDER)
5475	Nov 2 2016	04:59:54.9	5.19	-74.68	18	1.0	0.3	150	10	HONDA (TOLIMA)
5476	Nov 2 2016	05:00:12.2	6.61	-73.99	77	1.0	0.2	132	7	PUERTO PARRA (SANTANDER)
5477	Nov 2 2016	05:08:16.6	6.91	-73.16	160	1.0	0.5	209	7	BETULIA (SANTANDER)
5478	Nov 2 2016	05:26:43.9	6.85	-73.10	135	1.8	0.5	280	13	LOS SANTOS (SANTANDER)
5479	Nov 2 2016	05:33: 3.2	1.13	-76.38	Sup	1.6	0.2	217	14	PIAMONTE (CAUCA)
5480	Nov 2 2016	05:34:45.5	6.76	-73.12	148	1.0	0.4	140	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5481	Nov 2 2016	05:48:28.2	6.71	-73.30	152	1.1	0.5	181	8	GALAN (SANTANDER)
5482	Nov 2 2016	06:04:44.0	6.79	-73.12	151	1.3	0.3	139	10	LOS SANTOS (SANTANDER)
5483	Nov 2 2016	06:18:22.4	6.06	-72.96	Sup	0.9	0.8	191	9	BELEN (BOYACA)
5484	Nov 2 2016	06:25:43.7	6.82	-73.16	158	1.2	0.5	133	10	LOS SANTOS (SANTANDER)
5485	Nov 2 2016	06:53:20.3	6.81	-73.13	151	3.6	0.5	66	0	LOS SANTOS (SANTANDER)
5486	Nov 2 2016	06:53:20.3	6.81	-73.13	151	3.6	0.5	66	62	LOS SANTOS (SANTANDER)
5487	Nov 2 2016	06:58:19.6	8.12	-73.12	126	1.1	0.4	157	11	ABREGO (N.SANTANDER)
5488	Nov 2 2016	07:06:25.0	7.07	-76.32	7	1.3	0.4	244	7	DABEIBA (ANTIOQUIA)
5489	Nov 2 2016	07:24:42.3	1.63	-76.82	Sup	1.4	0.4	140	14	LA CRUZ (NARINO)
5490	Nov 2 2016	07:55:31.0	6.44	-73.57	116	0.9	0.5	82	10	SANTA HELENA DEL OPON (SANTANDER)
5491	Nov 2 2016	08:18:38.5	6.76	-73.14	144	1.3	0.4	138	11	LOS SANTOS (SANTANDER)
5492	Nov 2 2016	08:25:13.9	6.72	-73.12	149	0.9	0.2	143	9	JORDAN (SANTANDER)
5493	Nov 2 2016	08:26: 9.0	7.65	-74.61	35	1.2	0.4	183	14	EL BAGRE (ANTIOQUIA)
5494	Nov 2 2016	08:33:35.0	5.35	-76.19	48	1.1	0.2	188	12	PUEBLO RICO (RISARALDA)
5495	Nov 2 2016	08:46:11.0	6.80	-73.14	146	1.9	0.3	136	36	LOS SANTOS (SANTANDER)
5496	Nov 2 2016	09:41:36.3	7.22	-73.96	70	1.5	0.4	158	14	PUERTO WILCHES (SANTANDER)
5497	Nov 2 2016	09:41: 0.4	3.86	-76.24	118	1.3	0.2	223	8	BUGA (VALLE)
5498	Nov 2 2016	09:56: 0.7	2.22	-75.71	Sup	1.0	0.2	124	7	AGRADO (HUILA)
5499	Nov 2 2016	10:09:27.1	6.79	-73.14	147	1.5	0.3	244	10	LOS SANTOS (SANTANDER)
5500	Nov 2 2016	10:21:12.6	6.76	-73.09	150	2.4	0.6	125	29	LOS SANTOS (SANTANDER)
5501	Nov 2 2016	10:25:15.3	6.83	-73.16	147	3.1	0.6	68	49	LOS SANTOS (SANTANDER)
5502	Nov 2 2016	11:13:58.7	6.61	-73.33	133	2.0	0.5	78	20	GALAN (SANTANDER)
5503	Nov 2 2016	12:25:11.5	4.43	-75.44	25	1.7	0.4	207	10	CAJAMARCA (TOLIMA)
5504	Nov 2 2016	12:45:35.0	6.80	-73.18	140	1.3	0.4	131	11	ZAPATOCA (SANTANDER)
5505	Nov 2 2016	14:28:26.7	6.90	-73.06	151	1.4	0.4	253	8	PIEDRECUESTA (SANTANDER)
5506	Nov 2 2016	15:31: 4.0	6.78	-73.15	147	2.5	0.5	100	30	LOS SANTOS (SANTANDER)
5507	Nov 2 2016	15:37: 9.1	6.86	-73.13	151	1.7	0.5	135	14	LOS SANTOS (SANTANDER)
5508	Nov 2 2016	16:12:53.9	6.78	-73.16	139	1.3	0.3	141	8	LOS SANTOS (SANTANDER)
5509	Nov 2 2016	16:39: 4.1	6.81	-73.16	147	1.9	0.4	134	24	LOS SANTOS (SANTANDER)
5510	Nov 2 2016	17:19:47.6	3.44	-74.63	Sup	2.2	0.7	171	26	COLOMBIA (HUILA)
5511	Nov 2 2016	17:42:59.1	7.08	-76.15	Sup	1.5	0.5	183	10	DABEIBA (ANTIOQUIA)
5512	Nov 2 2016	17:54:52.2	6.80	-73.17	156	1.2	0.3	235	10	LOS SANTOS (SANTANDER)
5513	Nov 2 2016	19:58:55.6	1.94	-75.92	22	1.1	0.0	143	8	TIMANA (HUILA)
5514	Nov 2 2016	20:18:53.2	6.80	-73.47	110	1.3	0.3	164	11	SAN VICENTE DE CHUCURI (SANTANDER)
5515	Nov 2 2016	20:26:13.3	10.20	-73.04	120	2.0	0.4	139	15	MANAURE BALCON CESAR (CESAR)
5516	Nov 2 2016	21:10: 1.8	6.70	-71.93	Sup	2.1	0.4	203	18	FORTUL (ARAUCA)
5517	Nov 2 2016	21:51:54.5	6.70	-73.14	140	1.7	0.3	140	18	VILLANUEVA (SANTANDER)
5518	Nov 2 2016	21:54:46.5	6.77	-73.14	146	1.9	0.2	138	22	LOS SANTOS (SANTANDER)
5519	Nov 2 2016	21:59:38.5	6.31	-73.58	111	1.6	0.2	87	14	SANTA HELENA DEL OPON (SANTANDER)
5520	Nov 2 2016	22:53:17.4	6.79	-73.16	142	2.0	0.3	135	24	LOS SANTOS (SANTANDER)
5521	Nov 3 2016	00:08: 9.3	6.79	-73.11	151	1.7	0.7	141	17	LOS SANTOS (SANTANDER)
5522	Nov 3 2016	00:14:21.3	4.78	-76.13	116	2.1	0.5	70	22	ARGELIA (VALLE)
5523	Nov 3 2016	00:58:43.0	6.73	-73.21	149	1.2	0.0	224	7	VILLANUEVA (SANTANDER)
5524	Nov 3 2016	01:41:33.3	6.76	-73.10	146	1.2	0.4	144	9	LOS SANTOS (SANTANDER)
5525	Nov 3 2016	01:47:50.7	6.78	-73.14	150	1.6	0.3	137	12	LOS SANTOS (SANTANDER)
5526	Nov 3 2016	02:01:28.4	6.84	-73.15	143	1.5	0.3	241	12	LOS SANTOS (SANTANDER)
5527	Nov 3 2016	02:41:25.6	8.16	-74.26	23	1.2	0.3	257	8	MONTECRISTO (BOLIVAR)
5528	Nov 3 2016	03:50: 3.6	6.78	-73.12	145	2.7	0.5	67	40	LOS SANTOS (SANTANDER)
5529	Nov 3 2016	04:03:24.2	6.83	-76.23	Sup	1.2	0.3	200	7	URAMITA (ANTIOQUIA)
5530	Nov 3 2016	04:08:22.1	6.79	-73.08	143	0.9	0.3	145	8	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5531	Nov 3 2016	04:13:18.7	6.83	-73.11	150	1.1	0.3	138	10	LOS SANTOS (SANTANDER)
5532	Nov 3 2016	04:24:22.1	6.75	-73.14	144	1.3	0.5	139	12	LOS SANTOS (SANTANDER)
5533	Nov 3 2016	04:41:38.3	6.73	-73.17	154	1.1	0.3	230	8	VILLANUEVA (SANTANDER)
5534	Nov 3 2016	05:10:14.8	6.75	-73.21	145	1.0	0.3	224	8	ZAPATOCA (SANTANDER)
5535	Nov 3 2016	05:10:58.4	6.79	-73.16	156	1.2	0.4	234	9	LOS SANTOS (SANTANDER)
5536	Nov 3 2016	05:14:21.4	6.75	-73.12	146	0.8	0.3	236	7	LOS SANTOS (SANTANDER)
5537	Nov 3 2016	05:28:49.2	6.76	-73.15	144	1.2	0.4	137	12	LOS SANTOS (SANTANDER)
5538	Nov 3 2016	05:41:23.0	6.81	-73.16	138	0.8	0.2	143	6	LOS SANTOS (SANTANDER)
5539	Nov 3 2016	06:19:15.0	6.80	-73.15	153	0.9	0.2	237	8	LOS SANTOS (SANTANDER)
5540	Nov 3 2016	06:23: 8.0	6.80	-73.14	147	1.7	0.4	136	20	LOS SANTOS (SANTANDER)
5541	Nov 3 2016	07:08: 2.3	5.28	-74.08	115	1.3	0.5	93	19	SAN CAYETANO (CUNDINAMARCA)
5542	Nov 3 2016	07:13:42.1	6.76	-73.15	145	1.7	0.4	136	16	LOS SANTOS (SANTANDER)
5543	Nov 3 2016	08:11: 1.0	6.72	-73.19	149	0.8	0.2	225	7	VILLANUEVA (SANTANDER)
5544	Nov 3 2016	08:32:31.8	7.34	-73.12	8	1.1	0.4	175	11	RIONEGRO (SANTANDER)
5545	Nov 3 2016	09:55:38.9	6.80	-73.15	145	1.9	0.5	102	24	LOS SANTOS (SANTANDER)
5546	Nov 3 2016	10:29:58.6	6.69	-73.21	157	1.2	0.2	221	8	VILLANUEVA (SANTANDER)
5547	Nov 3 2016	10:52:42.5	6.81	-76.08	Sup	1.8	0.5	143	16	FRONTINO (ANTIOQUIA)
5548	Nov 3 2016	11:05:50.9	2.97	-74.93	8	2.0	0.4	171	11	BARAYA (HUILA)
5549	Nov 3 2016	11:21:47.3	6.78	-73.17	142	1.8	0.4	133	14	LOS SANTOS (SANTANDER)
5550	Nov 3 2016	12:29:53.2	2.44	-75.52	21	1.2	0.3	162	9	GIGANTE (HUILA)
5551	Nov 3 2016	15:24:35.6	6.78	-73.15	144	1.5	0.4	136	12	LOS SANTOS (SANTANDER)
5552	Nov 3 2016	18:15:32.3	6.79	-73.19	136	1.5	0.4	131	10	ZAPATOCA (SANTANDER)
5553	Nov 3 2016	18:18: 3.2	6.46	-73.80	81	0.9	0.4	148	7	CIMITARRA (SANTANDER)
5554	Nov 3 2016	18:50:20.4	6.89	-73.16	139	1.3	0.4	151	9	BETULIA (SANTANDER)
5555	Nov 3 2016	20:32: 0.7	7.17	-76.20	Sup	1.9	0.7	227	21	DABEIBA (ANTIOQUIA)
5556	Nov 3 2016	20:43:48.7	6.78	-73.12	142	1.6	0.3	140	17	LOS SANTOS (SANTANDER)
5557	Nov 3 2016	21:48: 5.4	3.42	-74.66	26	1.4	0.1	176	12	COLOMBIA (HUILA)
5558	Nov 3 2016	21:53:15.6	5.93	-74.83	Sup	1.1	0.5	94	12	SAN LUIS (ANTIOQUIA)
5559	Nov 3 2016	23:03:25.4	6.77	-73.12	138	1.8	0.3	141	14	LOS SANTOS (SANTANDER)
5560	Nov 3 2016	23:30:20.9	6.75	-73.56	103	1.5	0.2	137	9	EL CARMEN (SANTANDER)
5561	Nov 3 2016	23:41:57.0	6.78	-73.17	143	2.7	0.3	134	43	LOS SANTOS (SANTANDER)
5562	Nov 4 2016	00:25: 6.3	4.81	-77.60	Sup	2.5	0.8	208	36	O. PACIFICO CENTRO
5563	Nov 4 2016	01:15:40.1	6.78	-73.12	149	1.3	0.4	139	9	LOS SANTOS (SANTANDER)
5564	Nov 4 2016	02:02:15.8	6.73	-73.11	144	1.9	0.5	124	21	JORDAN (SANTANDER)
5565	Nov 4 2016	02:12:46.0	3.93	-76.34	116	2.2	0.5	83	29	BUGA (VALLE)
5566	Nov 4 2016	02:46:38.5	6.77	-73.13	148	1.7	0.4	121	16	LOS SANTOS (SANTANDER)
5567	Nov 4 2016	03:34:40.8	6.77	-73.16	148	1.2	0.5	233	8	LOS SANTOS (SANTANDER)
5568	Nov 4 2016	03:47: 9.8	6.32	-76.66	24	1.4	0.3	226	12	VIGIA DEL FUERTE (ANTIOQUIA)
5569	Nov 4 2016	03:50:16.4	6.75	-73.63	Sup	0.7	0.4	122	7	EL CARMEN (SANTANDER)
5570	Nov 4 2016	04:04:41.9	6.83	-73.08	148	1.2	0.2	246	7	LOS SANTOS (SANTANDER)
5571	Nov 4 2016	04:09:41.6	5.25	-73.75	146	1.3	0.1	131	12	CUCUNUBA (CUNDINAMARCA)
5572	Nov 4 2016	04:18:54.2	6.79	-73.20	155	0.9	0.1	129	7	ZAPATOCA (SANTANDER)
5573	Nov 4 2016	04:43:32.1	6.81	-73.17	153	1.1	0.2	236	8	LOS SANTOS (SANTANDER)
5574	Nov 4 2016	05:11:14.3	6.78	-73.11	151	1.1	0.3	240	9	LOS SANTOS (SANTANDER)
5575	Nov 4 2016	05:44:21.8	6.78	-73.15	153	0.9	0.1	137	7	LOS SANTOS (SANTANDER)
5576	Nov 4 2016	05:59:58.3	2.08	-75.67	Sup	0.7	0.3	116	8	ALTAMIRA (HUILA)
5577	Nov 4 2016	06:01:51.3	6.79	-73.13	150	1.7	0.3	139	16	LOS SANTOS (SANTANDER)
5578	Nov 4 2016	06:17:48.9	5.94	-73.70	123	1.2	0.4	192	8	GUAVATA (SANTANDER)
5579	Nov 4 2016	06:50: 8.0	6.85	-73.14	149	1.4	0.4	176	8	LOS SANTOS (SANTANDER)
5580	Nov 4 2016	07:09:57.4	6.75	-76.73	14	2.2	0.4	118	24	VIGIA DEL FUERTE (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5581	Nov 4 2016	07:17:50.7	6.74	-73.15	152	1.1	0.4	138	10	LOS SANTOS (SANTANDER)
5582	Nov 4 2016	07:27:48.3	6.78	-73.15	145	1.0	0.3	135	8	LOS SANTOS (SANTANDER)
5583	Nov 4 2016	07:28:46.8	6.80	-73.15	145	1.0	0.4	135	8	LOS SANTOS (SANTANDER)
5584	Nov 4 2016	07:50:22.3	6.82	-73.32	125	1.3	0.4	105	11	ZAPATOCA (SANTANDER)
5585	Nov 4 2016	08:03:54.3	5.63	-74.10	116	0.9	0.3	214	8	SAN PABLO DE BORBUR (BOYACA)
5586	Nov 4 2016	08:12: 9.6	6.76	-73.14	147	1.7	0.4	138	19	LOS SANTOS (SANTANDER)
5587	Nov 4 2016	08:50:46.6	6.76	-73.10	156	1.7	0.5	124	18	LOS SANTOS (SANTANDER)
5588	Nov 4 2016	08:56:31.8	6.79	-73.15	151	1.1	0.5	135	11	LOS SANTOS (SANTANDER)
5589	Nov 4 2016	09:12:15.9	6.85	-73.15	149	1.7	0.5	132	19	LOS SANTOS (SANTANDER)
5590	Nov 4 2016	09:47:57.0	5.82	-74.32	74	1.4	0.3	97	12	OTANCHE (BOYACA)
5591	Nov 4 2016	09:50:30.4	6.80	-73.15	150	1.7	0.4	134	16	LOS SANTOS (SANTANDER)
5592	Nov 4 2016	10:10:17.5	6.58	-73.24	114	1.5	0.5	122	9	CABRERA (SANTANDER)
5593	Nov 4 2016	10:37: 2.7	7.46	-72.49	99	2.1	0.2	290	12	HERRAN (N.SANTANDER)
5594	Nov 4 2016	10:46:38.5	4.79	-75.60	151	1.9	0.3	236	9	DOSQUEBRADAS (RISARALDA)
5595	Nov 4 2016	11:47:38.3	5.26	-76.29	83	1.7	0.4	202	18	BAGADO (CHOCO)
5596	Nov 4 2016	12:32:39.6	6.96	-73.22	143	2.1	0.3	282	10	BETULIA (SANTANDER)
5597	Nov 4 2016	13:47:32.0	6.74	-73.11	140	1.7	0.4	168	12	LOS SANTOS (SANTANDER)
5598	Nov 4 2016	14:08:55.8	5.31	-73.73	142	1.8	0.4	156	13	LENGUAZQUE (CUNDINAMARCA)
5599	Nov 4 2016	15:18: 9.4	6.77	-73.18	138	1.9	0.4	139	15	LOS SANTOS (SANTANDER)
5600	Nov 4 2016	17:08:55.7	6.81	-73.18	145	2.7	0.5	103	34	ZAPATOCA (SANTANDER)
5601	Nov 4 2016	17:52:53.6	6.78	-73.13	149	1.7	0.5	254	12	LOS SANTOS (SANTANDER)
5602	Nov 4 2016	19:16:47.4	6.65	-73.00	147	1.7	0.6	226	10	ARATOCA (SANTANDER)
5603	Nov 4 2016	19:19:54.3	5.57	-73.88	128	2.2	0.6	137	21	CALDAS (BOYACA)
5604	Nov 4 2016	19:56:54.1	5.98	-73.83	106	1.8	0.3	170	7	BOLIVAR (SANTANDER)
5605	Nov 4 2016	20:16:30.8	3.94	-76.60	118	1.6	0.1	281	8	CALIMA (VALLE)
5606	Nov 4 2016	20:57:17.5	6.77	-73.13	145	1.9	0.3	157	22	LOS SANTOS (SANTANDER)
5607	Nov 4 2016	21:11:41.6	5.07	-73.12	Sup	1.6	0.4	275	11	CAMPOHERMOSO (BOYACA)
5608	Nov 4 2016	21:46: 8.1	6.76	-73.16	140	1.7	0.3	149	12	LOS SANTOS (SANTANDER)
5609	Nov 4 2016	22:27:59.8	7.09	-75.31	15	1.3	0.3	148	12	CAMPAMENTO (ANTIOQUIA)
5610	Nov 4 2016	22:34:15.1	6.76	-73.15	144	1.7	0.3	152	14	LOS SANTOS (SANTANDER)
5611	Nov 4 2016	23:23:44.5	6.74	-73.19	143	1.7	0.4	134	11	VILLANUEVA (SANTANDER)
5612	Nov 5 2016	00:22:12.6	3.91	-76.16	116	1.8	0.5	82	13	SAN PEDRO (VALLE)
5613	Nov 5 2016	00:22:34.5	6.68	-73.15	144	1.5	0.3	160	8	VILLANUEVA (SANTANDER)
5614	Nov 5 2016	00:23:29.7	6.82	-73.13	146	1.7	0.4	150	15	LOS SANTOS (SANTANDER)
5615	Nov 5 2016	00:27:32.1	6.66	-73.16	147	1.4	0.1	244	6	VILLANUEVA (SANTANDER)
5616	Nov 5 2016	00:45:36.6	4.73	-74.74	15	1.5	0.6	116	12	AMBALEMA (TOLIMA)
5617	Nov 5 2016	01:51:47.2	6.82	-73.15	148	1.7	0.5	153	15	LOS SANTOS (SANTANDER)
5618	Nov 5 2016	01:57:34.5	6.80	-73.13	159	1.8	0.3	180	11	LOS SANTOS (SANTANDER)
5619	Nov 5 2016	02:30:42.3	6.82	-73.21	154	1.3	0.4	234	7	ZAPATOCA (SANTANDER)
5620	Nov 5 2016	03:11:12.6	6.81	-73.14	149	2.0	0.5	119	25	LOS SANTOS (SANTANDER)
5621	Nov 5 2016	03:48:44.4	6.82	-73.15	148	1.6	0.4	145	12	LOS SANTOS (SANTANDER)
5622	Nov 5 2016	04:44:35.1	5.32	-74.61	17	1.7	0.5	69	26	CAPARRAPI (CUNDINAMARCA)
5623	Nov 5 2016	04:50:25.4	6.36	-73.72	96	0.9	0.5	205	7	SANTA HELENA DEL OPO (SANTANDER)
5624	Nov 5 2016	04:53:32.9	6.77	-73.22	148	1.6	0.5	264	11	ZAPATOCA (SANTANDER)
5625	Nov 5 2016	05:53: 9.4	6.80	-73.20	159	1.2	0.4	277	7	ZAPATOCA (SANTANDER)
5626	Nov 5 2016	06:18:21.9	7.44	-72.80	7	1.6	0.3	146	12	CUCUTILLA (N.SANTANDER)
5627	Nov 5 2016	06:23:56.8	6.80	-73.11	152	2.5	0.6	122	37	LOS SANTOS (SANTANDER)
5628	Nov 5 2016	06:29:56.6	7.52	-73.08	155	1.6	0.2	206	9	EL PLAYON (SANTANDER)
5629	Nov 5 2016	06:59:53.5	6.78	-73.16	150	1.2	0.5	245	10	LOS SANTOS (SANTANDER)
5630	Nov 5 2016	07:44:16.8	2.38	-75.63	Sup	0.4	0.2	115	7	GIGANTE (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5631	Nov 5 2016	07:49:49.9	4.45	-76.53	80	1.6	0.5	139	16	SIPI (CHOCO)
5632	Nov 5 2016	07:58:33.2	6.78	-73.13	146	1.9	0.5	155	24	LOS SANTOS (SANTANDER)
5633	Nov 5 2016	08:26:51.7	2.79	-78.13	Sup	2.1	0.7	158	24	O. PACIFICO SUR
5634	Nov 5 2016	08:33: 9.7	6.50	-73.75	23	2.1	0.6	119	18	SANTA HELENA DEL OPON (SANTANDER)
5635	Nov 5 2016	08:34:38.6	6.75	-73.14	148	1.8	0.4	155	12	LOS SANTOS (SANTANDER)
5636	Nov 5 2016	09:02:48.7	5.78	-76.00	64	1.2	0.4	206	7	BETANIA (ANTIOQUIA)
5637	Nov 5 2016	09:07:23.5	5.95	-74.22	21	1.6	0.3	180	12	LA BELLEZA (SANTANDER)
5638	Nov 5 2016	09:15:27.0	6.78	-73.13	146	1.7	0.3	155	16	LOS SANTOS (SANTANDER)
5639	Nov 5 2016	09:29:42.5	7.21	-73.65	94	1.2	0.4	160	9	SABANA DE TORRES (SANTANDER)
5640	Nov 5 2016	09:34:30.3	2.29	-75.66	15	1.1	0.6	94	12	GARZON (HUILA)
5641	Nov 5 2016	09:43:37.2	6.80	-73.13	149	1.6	0.4	153	12	LOS SANTOS (SANTANDER)
5642	Nov 5 2016	10:17:47.7	6.71	-73.20	144	1.5	0.4	219	8	VILLANUEVA (SANTANDER)
5643	Nov 5 2016	11:07:44.1	9.95	-73.67	Sup	1.5	0.5	136	12	BOSCONIA (CESAR)
5644	Nov 5 2016	11:50:18.4	6.79	-73.17	139	2.1	0.6	143	21	LOS SANTOS (SANTANDER)
5645	Nov 5 2016	12:00:56.8	7.56	-73.43	112	2.0	0.4	199	12	LA ESPERANZA (N.SANTANDER)
5646	Nov 5 2016	13:01:56.1	6.79	-73.17	143	2.1	0.4	142	14	LOS SANTOS (SANTANDER)
5647	Nov 5 2016	13:26:48.7	7.35	-73.19	127	2.0	0.4	177	15	RIONEGRO (SANTANDER)
5648	Nov 5 2016	15:04:58.7	6.04	-73.94	9	1.6	0.6	154	12	EL PENON (SANTANDER)
5649	Nov 5 2016	16:17:14.9	7.58	-73.11	145	2.0	0.2	214	10	EL PLAYON (SANTANDER)
5650	Nov 5 2016	16:52:23.2	6.84	-73.19	144	3.2	0.7	61	43	ZAPATOCA (SANTANDER)
5651	Nov 5 2016	17:38: 6.0	6.80	-73.16	144	2.0	0.3	245	14	LOS SANTOS (SANTANDER)
5652	Nov 5 2016	17:57:35.3	6.35	-73.71	73	1.3	0.4	219	8	SANTA HELENA DEL OPON (SANTANDER)
5653	Nov 5 2016	18:46:23.8	8.64	-73.24	120	2.1	0.4	149	14	EL TARRA (N.SANTANDER)
5654	Nov 5 2016	20:05: 9.8	6.37	-75.89	61	1.2	0.2	140	8	ANZA (ANTIOQUIA)
5655	Nov 5 2016	20:31:57.1	6.71	-73.39	108	1.2	0.3	180	10	EL CARMEN (SANTANDER)
5656	Nov 5 2016	20:50:32.1	6.78	-73.13	141	2.1	0.2	155	22	LOS SANTOS (SANTANDER)
5657	Nov 5 2016	21:04:31.8	10.05	-72.60	144	2.2	0.3	162	14	LA FRONTERA CON VENEZUELA
5658	Nov 5 2016	21:34:14.1	6.85	-73.13	153	2.6	0.5	148	42	LOS SANTOS (SANTANDER)
5659	Nov 5 2016	22:03: 3.4	6.78	-73.18	142	1.6	0.1	253	11	ZAPATOCA (SANTANDER)
5660	Nov 5 2016	22:18:51.2	7.08	-73.39	115	2.0	0.3	144	14	LEBRIJA (SANTANDER)
5661	Nov 5 2016	22:50: 5.8	6.80	-73.12	147	1.7	0.2	196	8	LOS SANTOS (SANTANDER)
5662	Nov 5 2016	23:17:45.4	5.62	-73.98	110	2.5	0.3	88	34	PAUNA (BOYACA)
5663	Nov 5 2016	23:23: 6.8	6.78	-73.15	150	1.8	0.4	149	12	LOS SANTOS (SANTANDER)
5664	Nov 6 2016	00:11:30.7	6.79	-73.11	149	1.7	0.6	159	13	LOS SANTOS (SANTANDER)
5665	Nov 6 2016	01:55:31.3	4.40	-75.91	131	1.2	0.1	160	8	CAICEDONIA (VALLE)
5666	Nov 6 2016	01:56: 6.4	5.56	-75.65	102	1.1	0.4	150	9	CARAMANTA (ANTIOQUIA)
5667	Nov 6 2016	02:16:21.4	6.82	-76.64	11	1.7	0.7	240	16	MURINDO (ANTIOQUIA)
5668	Nov 6 2016	02:25:44.5	1.98	-75.95	Sup	1.1	0.3	129	13	TIMANA (HUILA)
5669	Nov 6 2016	02:30:12.5	6.40	-72.93	Sup	1.7	0.6	74	19	SAN JOAQUIN (SANTANDER)
5670	Nov 6 2016	02:54:28.4	6.84	-73.15	151	2.2	0.6	143	26	LOS SANTOS (SANTANDER)
5671	Nov 6 2016	03:51:36.1	6.80	-73.12	147	1.9	0.5	120	19	LOS SANTOS (SANTANDER)
5672	Nov 6 2016	04:02:45.4	6.80	-73.14	149	1.8	0.3	151	15	LOS SANTOS (SANTANDER)
5673	Nov 6 2016	04:46:10.9	6.76	-73.17	150	1.4	0.2	144	8	LOS SANTOS (SANTANDER)
5674	Nov 6 2016	04:50:51.3	6.79	-73.15	147	1.3	0.4	150	11	LOS SANTOS (SANTANDER)
5675	Nov 6 2016	05:30:52.1	3.36	-76.56	58	2.0	0.3	164	22	CALI (VALLE)
5676	Nov 6 2016	05:40:24.8	6.82	-73.12	153	1.9	0.7	156	24	LOS SANTOS (SANTANDER)
5677	Nov 6 2016	06:10:20.0	6.80	-73.15	146	1.1	0.3	145	7	LOS SANTOS (SANTANDER)
5678	Nov 6 2016	07:39:33.2	6.79	-73.13	147	2.5	0.6	66	42	LOS SANTOS (SANTANDER)
5679	Nov 6 2016	07:43:13.0	7.10	-73.44	116	1.3	0.6	163	9	LEBRIJA (SANTANDER)
5680	Nov 6 2016	08:11:37.1	6.80	-73.13	152	1.4	0.3	181	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5681	Nov 6 2016	08:20:34.3	5.07	-76.04	109	1.2	0.3	128	10	SANTUARIO (RISARALDA)
5682	Nov 6 2016	08:30:24.4	6.78	-73.16	145	1.4	0.3	179	12	LOS SANTOS (SANTANDER)
5683	Nov 6 2016	08:37:12.7	6.77	-73.23	154	1.2	0.2	272	8	ZAPATOCA (SANTANDER)
5684	Nov 6 2016	08:39: 5.0	6.18	-72.87	86	1.2	0.1	274	8	TUTAZA (BOYACA)
5685	Nov 6 2016	08:40:52.2	6.09	-72.95	12	1.3	0.1	275	8	BELEN (BOYACA)
5686	Nov 6 2016	08:51:11.7	6.84	-73.30	165	1.3	0.2	270	8	ZAPATOCA (SANTANDER)
5687	Nov 6 2016	08:58:44.1	0.93	-78.70	24	2.5	0.2	265	20	LA FRONTERA CON ECUADOR
5688	Nov 6 2016	09:27:30.3	3.41	-74.23	16	1.8	0.6	221	9	MESETAS (META)
5689	Nov 6 2016	09:48:40.2	6.79	-73.16	147	1.4	0.2	155	12	LOS SANTOS (SANTANDER)
5690	Nov 6 2016	10:22:11.7	10.27	-73.36	13	1.0	0.5	134	8	SAN DIEGO (CESAR)
5691	Nov 6 2016	10:26: 5.0	6.82	-73.17	149	1.4	0.3	152	12	ZAPATOCA (SANTANDER)
5692	Nov 6 2016	10:46:59.0	6.78	-73.15	143	1.9	0.4	148	18	LOS SANTOS (SANTANDER)
5693	Nov 6 2016	12:37: 0.8	6.54	-73.58	103	1.5	0.4	136	8	EL CARMEN (SANTANDER)
5694	Nov 6 2016	12:41:52.6	4.52	-75.93	15	1.2	0.2	170	8	OBANDO (VALLE)
5695	Nov 6 2016	13:02:30.8	6.24	-74.81	232	1.7	0.6	153	12	CARACOLI (ANTIOQUIA)
5696	Nov 6 2016	13:09:16.2	4.49	-75.93	22	2.0	0.3	101	14	OBANDO (VALLE)
5697	Nov 6 2016	13:10:34.2	6.72	-73.16	126	2.1	0.5	151	24	VILLANUEVA (SANTANDER)
5698	Nov 6 2016	13:54:11.2	6.80	-73.16	146	3.2	0.5	79	57	LOS SANTOS (SANTANDER)
5699	Nov 6 2016	15:12:51.8	4.62	-75.90	16	2.9	0.6	60	47	OBANDO (VALLE)
5700	Nov 6 2016	15:51:47.9	7.43	-72.86	Sup	1.8	0.4	209	10	CALIFORNIA (SANTANDER)
5701	Nov 6 2016	18:32:21.9	6.79	-73.15	140	1.6	0.4	149	13	LOS SANTOS (SANTANDER)
5702	Nov 6 2016	18:37:39.4	7.32	-76.64	Sup	1.6	0.4	272	12	MUTATA (ANTIOQUIA)
5703	Nov 6 2016	18:47:39.6	2.71	-76.63	130	1.8	0.3	117	22	MORALES (CAUCA)
5704	Nov 6 2016	19:28:49.2	6.84	-76.29	Sup	1.7	0.5	206	18	URAMITA (ANTIOQUIA)
5705	Nov 6 2016	20:45:30.7	5.18	-74.86	15	1.4	0.3	182	11	MARIQUITA (TOLIMA)
5706	Nov 6 2016	21:31: 1.0	6.84	-73.12	159	4.3	0.5	67	0	LOS SANTOS (SANTANDER)
5707	Nov 6 2016	21:31: 1.0	6.84	-73.12	159	4.3	0.5	67	88	LOS SANTOS (SANTANDER)
5708	Nov 6 2016	21:41:54.0	6.77	-73.16	137	1.6	0.2	145	8	LOS SANTOS (SANTANDER)
5709	Nov 6 2016	22:23: 2.6	6.74	-73.14	132	1.7	0.3	184	10	LOS SANTOS (SANTANDER)
5710	Nov 7 2016	00:10:28.9	6.79	-73.14	138	2.7	0.4	86	53	LOS SANTOS (SANTANDER)
5711	Nov 7 2016	00:41:25.4	7.13	-76.28	15	1.6	0.5	263	7	DABEIBA (ANTIOQUIA)
5712	Nov 7 2016	00:51: 5.8	1.93	-76.04	Sup	1.9	0.6	110	20	PITALITO (HUILA)
5713	Nov 7 2016	02:20: 7.4	6.77	-73.13	143	1.6	0.4	157	13	LOS SANTOS (SANTANDER)
5714	Nov 7 2016	02:22:19.6	8.29	-73.53	120	1.4	0.4	126	12	AGUACHICA (CESAR)
5715	Nov 7 2016	02:24: 3.2	4.73	-76.05	Sup	1.1	0.5	105	12	ARGELIA (VALLE)
5716	Nov 7 2016	02:51:36.9	6.79	-73.14	145	2.9	0.7	66	67	LOS SANTOS (SANTANDER)
5717	Nov 7 2016	02:55:16.7	5.81	-73.50	Sup	1.6	0.5	115	22	GACHANTIVA (BOYACA)
5718	Nov 7 2016	03:22: 7.6	6.75	-73.11	140	1.8	0.4	168	20	LOS SANTOS (SANTANDER)
5719	Nov 7 2016	03:23:25.0	6.69	-73.17	151	1.2	0.1	239	7	VILLANUEVA (SANTANDER)
5720	Nov 7 2016	03:30:37.1	6.77	-73.14	143	1.7	0.3	155	18	LOS SANTOS (SANTANDER)
5721	Nov 7 2016	03:49:54.3	7.59	-73.03	153	1.4	0.2	282	7	CACHIRA (N.SANTANDER)
5722	Nov 7 2016	03:51:55.1	2.00	-75.85	Sup	1.2	0.3	92	10	SUAZA (HUILA)
5723	Nov 7 2016	04:43:40.8	1.89	-75.99	9	1.0	0.3	112	14	PITALITO (HUILA)
5724	Nov 7 2016	04:46:33.0	8.65	-73.45	96	1.6	0.4	136	16	EL CARMEN (N.SANTANDER)
5725	Nov 7 2016	05:16:22.7	6.84	-73.13	149	2.7	0.5	66	50	LOS SANTOS (SANTANDER)
5726	Nov 7 2016	05:19:43.8	6.81	-73.15	147	2.0	0.4	146	23	LOS SANTOS (SANTANDER)
5727	Nov 7 2016	06:49:24.9	6.51	-73.48	111	1.4	0.5	161	12	SIMACOTA (SANTANDER)
5728	Nov 7 2016	06:52: 1.0	3.60	-74.49	Sup	1.4	0.8	158	20	VILLARRICA (TOLIMA)
5729	Nov 7 2016	06:54:16.7	7.20	-74.11	Sup	1.0	0.3	172	10	PUERTO WILCHES (SANTANDER)
5730	Nov 7 2016	07:36:20.0	10.77	-72.09	112	1.5	0.2	222	10	LA FRONTERA CON VENEZUELA

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5731	Nov 7 2016	08:00:59.3	6.80	-73.16	144	1.1	0.2	145	10	LOS SANTOS (SANTANDER)
5732	Nov 7 2016	11:35: 9.0	3.12	-77.61	23	1.8	0.6	120	20	O. PACIFICO SUT
5733	Nov 7 2016	11:36:19.9	6.78	-73.14	142	1.6	0.6	152	16	LOS SANTOS (SANTANDER)
5734	Nov 7 2016	12:46: 1.9	7.99	-74.08	24	1.5	0.2	145	11	SANTA ROSA DEL SUR (BOLIVAR)
5735	Nov 7 2016	12:49: 6.5	6.79	-73.14	148	1.6	0.4	153	14	LOS SANTOS (SANTANDER)
5736	Nov 7 2016	13:26: 3.7	7.13	-73.48	30	1.5	0.3	151	10	SABANA DE TORRES (SANTANDER)
5737	Nov 7 2016	13:46: 0.2	6.78	-73.13	145	2.0	0.4	155	18	LOS SANTOS (SANTANDER)
5738	Nov 7 2016	14:30:33.2	6.80	-73.16	147	1.4	0.2	177	7	LOS SANTOS (SANTANDER)
5739	Nov 7 2016	15:08:36.4	6.72	-73.15	143	1.3	0.2	157	8	JORDAN (SANTANDER)
5740	Nov 7 2016	15:14:44.1	6.80	-73.14	149	2.0	0.5	150	20	LOS SANTOS (SANTANDER)
5741	Nov 7 2016	17:58:46.0	8.38	-73.45	108	2.2	0.2	132	21	GONZALEZ (CESAR)
5742	Nov 7 2016	20:02:55.8	3.82	-76.47	127	1.5	0.5	115	12	RESTREPO (VALLE)
5743	Nov 7 2016	21:23:31.1	6.77	-73.16	147	1.5	0.4	144	8	LOS SANTOS (SANTANDER)
5744	Nov 7 2016	22:07:53.2	6.76	-73.12	151	1.7	0.4	159	10	LOS SANTOS (SANTANDER)
5745	Nov 7 2016	22:13:34.6	6.93	-76.62	Sup	2.6	0.5	133	30	MURINDO (ANTIOQUIA)
5746	Nov 7 2016	22:48:30.6	6.71	-73.16	136	1.7	0.4	150	16	VILLANUEVA (SANTANDER)
5747	Nov 7 2016	23:02: 6.3	1.97	-75.91	Sup	1.4	0.4	97	11	TIMANA (HUILA)
5748	Nov 7 2016	23:16:44.1	6.74	-73.15	136	2.4	0.6	95	30	LOS SANTOS (SANTANDER)
5749	Nov 7 2016	23:31:33.8	6.78	-73.18	132	2.0	0.5	153	19	ZAPATOCA (SANTANDER)
5750	Nov 7 2016	23:34: 8.4	1.96	-75.92	Sup	1.4	0.2	98	12	TIMANA (HUILA)
5751	Nov 7 2016	23:46:31.3	6.80	-73.12	152	1.7	0.3	158	10	LOS SANTOS (SANTANDER)
5752	Nov 7 2016	23:52:47.9	6.82	-73.20	143	2.1	0.4	130	24	ZAPATOCA (SANTANDER)
5753	Nov 8 2016	01:10:40.7	10.15	-72.89	Sup	1.4	0.4	192	12	LA FRONTERA CON VENEZUELA
5754	Nov 8 2016	01:13:35.9	7.24	-76.20	Sup	1.5	0.5	231	11	MUTATA (ANTIOQUIA)
5755	Nov 8 2016	01:36:10.1	6.78	-73.15	141	1.3	0.4	148	12	LOS SANTOS (SANTANDER)
5756	Nov 8 2016	01:52:44.8	3.60	-76.70	90	1.2	0.3	202	9	DAGUA (VALLE)
5757	Nov 8 2016	03:21: 2.6	7.39	-72.84	Sup	1.4	0.4	121	14	VETAS (SANTANDER)
5758	Nov 8 2016	03:39:42.2	6.76	-73.15	144	1.5	0.3	151	12	LOS SANTOS (SANTANDER)
5759	Nov 8 2016	04:38:50.8	6.71	-73.13	152	1.1	0.3	167	8	JORDAN (SANTANDER)
5760	Nov 8 2016	04:39:44.0	7.56	-75.29	Sup	1.7	0.4	147	12	CACERES (ANTIOQUIA)
5761	Nov 8 2016	04:51:40.6	7.02	-73.35	10	1.2	0.2	137	11	BETULIA (SANTANDER)
5762	Nov 8 2016	05:30:54.4	2.91	-76.03	Sup	1.6	0.6	110	17	TORIBIO (CAUCA)
5763	Nov 8 2016	05:32:57.0	5.56	-72.67	Sup	1.1	0.4	184	9	LABRANZAGRANDE (BOYACA)
5764	Nov 8 2016	05:51:21.4	6.70	-73.11	139	1.4	0.4	176	10	JORDAN (SANTANDER)
5765	Nov 8 2016	06:05:58.5	7.67	-73.96	17	1.0	0.5	207	7	SAN PABLO (BOLIVAR)
5766	Nov 8 2016	06:18:42.9	6.75	-73.31	119	0.9	0.5	119	10	ZAPATOCA (SANTANDER)
5767	Nov 8 2016	06:39:24.0	5.27	-73.81	141	1.1	0.3	160	10	UBATE (CUNDINAMARCA)
5768	Nov 8 2016	06:55: 8.7	1.87	-76.04	9	1.5	0.2	117	20	PITALITO (HUILA)
5769	Nov 8 2016	06:58:29.1	6.93	-76.62	Sup	2.1	0.5	132	26	MURINDO (ANTIOQUIA)
5770	Nov 8 2016	07:08:49.8	1.94	-76.01	8	1.3	0.2	108	16	SALADOBLANCO (HUILA)
5771	Nov 8 2016	07:13:28.6	7.91	-72.17	Sup	2.4	0.5	264	16	LA FRONTERA CON VENEZUELA
5772	Nov 8 2016	07:53: 8.1	6.79	-73.13	145	1.5	0.4	155	20	LOS SANTOS (SANTANDER)
5773	Nov 8 2016	09:04: 8.7	3.58	-74.03	Sup	2.0	0.6	100	32	LEJANIAS (META)
5774	Nov 8 2016	09:57:28.1	3.83	-76.44	131	3.1	0.5	165	45	YOTOCO (VALLE)
5775	Nov 8 2016	10:32:19.0	6.68	-73.19	147	1.4	0.1	224	8	VILLANUEVA (SANTANDER)
5776	Nov 8 2016	10:35:36.3	6.65	-73.23	132	1.2	0.4	187	8	BARICHARA (SANTANDER)
5777	Nov 8 2016	10:50:21.7	6.82	-73.14	146	1.9	0.3	147	20	LOS SANTOS (SANTANDER)
5778	Nov 8 2016	10:51:51.9	3.30	-79.17	Sup	2.1	0.4	290	14	O. PACIFICO SUR
5779	Nov 8 2016	11:11: 9.3	6.75	-73.15	144	1.6	0.3	153	8	LOS SANTOS (SANTANDER)
5780	Nov 8 2016	11:41: 7.3	6.70	-73.12	142	1.5	0.4	175	10	JORDAN (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5781	Nov 8 2016	11:50:50.7	6.73	-73.12	146	1.5	0.4	167	10	JORDAN (SANTANDER)
5782	Nov 8 2016	12:33:17.2	6.73	-73.13	142	1.5	0.3	162	10	LOS SANTOS (SANTANDER)
5783	Nov 8 2016	15:30: 2.4	6.81	-73.16	147	2.7	0.5	79	42	LOS SANTOS (SANTANDER)
5784	Nov 8 2016	15:39:58.9	7.10	-76.99	97	2.3	0.3	153	10	MURINDO (ANTIOQUIA)
5785	Nov 8 2016	15:45:10.1	6.77	-73.10	146	1.9	0.4	160	16	LOS SANTOS (SANTANDER)
5786	Nov 8 2016	17:25:23.0	4.24	-76.31	133	2.1	0.4	130	35	TRUJILLO (VALLE)
5787	Nov 8 2016	18:15:22.0	6.72	-73.15	144	1.9	0.5	156	10	JORDAN (SANTANDER)
5788	Nov 8 2016	19:31:37.5	6.77	-73.14	150	3.4	0.5	66	54	LOS SANTOS (SANTANDER)
5789	Nov 8 2016	19:36:59.6	3.44	-74.68	Sup	2.4	0.7	151	26	COLOMBIA (HUILA)
5790	Nov 8 2016	20:38:54.3	6.82	-73.17	151	1.6	0.4	152	12	LOS SANTOS (SANTANDER)
5791	Nov 8 2016	21:05:49.9	2.99	-74.85	Sup	1.8	0.4	239	12	BARAYA (HUILA)
5792	Nov 8 2016	21:23:45.7	1.90	-76.09	Sup	0.9	0.3	167	8	PITALITO (HUILA)
5793	Nov 8 2016	21:41:14.8	6.82	-73.18	148	2.6	0.5	137	26	ZAPATOCA (SANTANDER)
5794	Nov 8 2016	21:57:17.3	4.74	-74.67	22	1.6	0.3	117	13	PULI (CUNDINAMARCA)
5795	Nov 8 2016	23:18:33.9	6.77	-73.19	140	1.6	0.5	134	12	ZAPATOCA (SANTANDER)
5796	Nov 8 2016	23:19: 6.8	1.40	-77.85	15	2.1	0.5	175	13	SANTA CRUZ (NARINO)
5797	Nov 8 2016	23:22: 6.0	2.82	-76.59	32	1.3	0.2	153	8	MORALES (CAUCA)
5798	Nov 9 2016	00:12:48.2	6.70	-73.14	145	1.3	0.4	165	9	VILLANUEVA (SANTANDER)
5799	Nov 9 2016	00:31:27.3	2.08	-75.68	Sup	1.7	0.2	114	9	ALTAMIRA (HUILA)
5800	Nov 9 2016	01:03:28.0	6.79	-73.14	137	1.6	0.5	151	18	LOS SANTOS (SANTANDER)
5801	Nov 9 2016	01:05:15.3	6.79	-73.17	145	1.9	0.2	117	24	LOS SANTOS (SANTANDER)
5802	Nov 9 2016	01:35:54.0	6.79	-73.15	143	1.9	0.3	118	22	LOS SANTOS (SANTANDER)
5803	Nov 9 2016	01:45:35.6	5.29	-73.91	127	0.9	0.2	188	8	CARMEN DE CARUPA (CUNDINAMARCA)
5804	Nov 9 2016	01:47: 1.5	6.47	-73.33	131	1.5	0.4	140	13	SIMACOTA (SANTANDER)
5805	Nov 9 2016	01:53:28.2	6.77	-73.15	142	1.3	0.4	152	13	LOS SANTOS (SANTANDER)
5806	Nov 9 2016	02:09:53.1	3.97	-76.69	96	1.6	0.4	110	20	CALIMA (VALLE)
5807	Nov 9 2016	02:23:55.8	6.78	-73.13	141	1.5	0.2	157	13	LOS SANTOS (SANTANDER)
5808	Nov 9 2016	03:05:18.2	6.78	-73.15	144	3.2	0.5	65	62	LOS SANTOS (SANTANDER)
5809	Nov 9 2016	03:16:15.6	6.78	-73.17	147	1.4	0.4	242	14	LOS SANTOS (SANTANDER)
5810	Nov 9 2016	03:34:22.9	6.81	-73.18	148	0.9	0.2	242	6	ZAPATOCA (SANTANDER)
5811	Nov 9 2016	03:38: 0.4	6.80	-73.17	148	1.5	0.4	241	10	LOS SANTOS (SANTANDER)
5812	Nov 9 2016	03:43:58.4	7.52	-73.01	151	1.0	0.5	211	10	SURATA (SANTANDER)
5813	Nov 9 2016	03:46: 5.7	6.79	-73.10	146	1.9	0.4	123	22	LOS SANTOS (SANTANDER)
5814	Nov 9 2016	04:07:14.3	6.75	-73.12	149	1.2	0.3	162	10	LOS SANTOS (SANTANDER)
5815	Nov 9 2016	04:25:44.0	6.78	-73.10	138	1.4	0.3	166	10	LOS SANTOS (SANTANDER)
5816	Nov 9 2016	04:55: 9.7	5.28	-74.47	38	1.0	0.3	130	13	CAPARRAPI (CUNDINAMARCA)
5817	Nov 9 2016	05:27:36.8	5.42	-73.83	129	1.3	0.4	143	11	SUSA (CUNDINAMARCA)
5818	Nov 9 2016	06:02:30.2	7.15	-72.98	163	1.3	0.4	279	8	TONA (SANTANDER)
5819	Nov 9 2016	06:21:44.8	7.14	-72.04	Sup	1.4	0.5	233	10	LA FRONTERA CON VENEZUELA
5820	Nov 9 2016	07:31:16.9	6.74	-73.14	152	1.1	0.2	159	8	LOS SANTOS (SANTANDER)
5821	Nov 9 2016	07:36:31.1	7.72	-76.45	108	1.4	0.2	281	8	CAREPA (ANTIOQUIA)
5822	Nov 9 2016	09:14:31.8	6.79	-73.16	139	1.2	0.4	146	8	LOS SANTOS (SANTANDER)
5823	Nov 9 2016	09:35:55.0	10.88	-72.18	Sup	2.4	0.3	205	12	LA FRONTERA CON VENEZUELA
5824	Nov 9 2016	09:48:40.8	6.76	-73.16	144	1.2	0.2	148	8	LOS SANTOS (SANTANDER)
5825	Nov 9 2016	10:40:49.8	6.79	-73.15	150	2.3	0.4	147	26	LOS SANTOS (SANTANDER)
5826	Nov 9 2016	10:50:47.0	5.27	-73.73	144	2.5	0.3	65	36	LENGUAZQUE (CUNDINAMARCA)
5827	Nov 9 2016	12:26:34.2	6.77	-73.10	144	1.9	0.2	161	12	LOS SANTOS (SANTANDER)
5828	Nov 9 2016	12:48:30.0	6.71	-73.11	144	1.6	0.4	175	10	JORDAN (SANTANDER)
5829	Nov 9 2016	12:57:56.1	6.71	-73.11	147	1.5	0.4	177	9	JORDAN (SANTANDER)
5830	Nov 9 2016	13:06:13.8	6.78	-73.16	146	1.9	0.4	147	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5831	Nov 9 2016	15:22:54.6	7.58	-73.79	86	2.5	0.5	88	31	SAN PABLO (BOLIVAR)
5832	Nov 9 2016	17:10:40.3	6.80	-73.14	145	2.8	0.4	85	36	LOS SANTOS (SANTANDER)
5833	Nov 9 2016	17:30:24.3	6.80	-73.14	149	2.8	0.5	85	38	LOS SANTOS (SANTANDER)
5834	Nov 9 2016	18:00:42.7	6.80	-73.15	146	2.6	0.4	147	36	LOS SANTOS (SANTANDER)
5835	Nov 9 2016	18:40:38.4	4.85	-74.71	16	1.8	0.3	105	12	BELTRAN (CUNDINAMARCA)
5836	Nov 9 2016	19:41:42.1	6.71	-73.13	145	1.9	0.3	168	10	JORDAN (SANTANDER)
5837	Nov 9 2016	20:07:33.3	4.69	-76.79	51	1.2	0.1	246	7	SIPI (CHOCO)
5838	Nov 9 2016	21:52:59.3	6.94	-76.30	Sup	1.6	0.4	239	10	DABEIBA (ANTIOQUIA)
5839	Nov 9 2016	21:54:13.5	6.76	-73.15	134	1.7	0.4	152	8	LOS SANTOS (SANTANDER)
5840	Nov 9 2016	22:04:17.8	6.47	-73.78	24	1.3	0.5	196	9	SANTA HELENA DEL OPON (SANTANDER)
5841	Nov 9 2016	22:35:55.5	6.84	-73.14	149	1.9	0.4	147	14	LOS SANTOS (SANTANDER)
5842	Nov 9 2016	22:41:33.0	2.36	-75.55	13	0.9	0.2	184	7	GIGANTE (HUILA)
5843	Nov 9 2016	23:16:46.3	6.68	-73.35	122	1.4	0.3	159	8	GALAN (SANTANDER)
5844	Nov 9 2016	23:55:27.7	4.09	-76.03	170	1.6	0.4	93	9	ANDALUCIA (VALLE)
5845	Nov 10 2016	00:07:46.9	7.70	-73.02	154	1.6	0.4	145	13	CACHIRA (N.SANTANDER)
5846	Nov 10 2016	00:00:7.5	5.67	-76.47	Sup	2.0	0.2	262	10	LORO (CHOCO)
5847	Nov 10 2016	00:15:54.6	7.50	-73.14	142	1.5	0.3	150	12	EL PLAYON (SANTANDER)
5848	Nov 10 2016	00:50:5.7	5.13	-76.56	42	1.4	0.2	228	12	CONDOTO (CHOCO)
5849	Nov 10 2016	01:06:10.3	3.39	-76.62	Sup	1.3	0.3	143	12	CALI (VALLE)
5850	Nov 10 2016	01:24:9.7	7.31	-76.05	7	1.0	0.2	203	10	ITUANGO (ANTIOQUIA)
5851	Nov 10 2016	01:31:16.6	6.80	-73.13	141	1.6	0.4	153	15	LOS SANTOS (SANTANDER)
5852	Nov 10 2016	01:57:19.8	7.40	-73.19	131	1.6	0.1	184	9	EL PLAYON (SANTANDER)
5853	Nov 10 2016	02:08:8.0	6.80	-73.15	148	2.6	0.5	73	31	LOS SANTOS (SANTANDER)
5854	Nov 10 2016	02:09:54.4	3.83	-75.99	176	2.9	0.5	56	60	SAN PEDRO (VALLE)
5855	Nov 10 2016	02:12:16.9	6.76	-73.10	141	1.6	0.4	161	15	LOS SANTOS (SANTANDER)
5856	Nov 10 2016	02:24:4.8	7.09	-76.44	Sup	1.8	0.4	142	12	MUTATA (ANTIOQUIA)
5857	Nov 10 2016	04:01:13.4	7.02	-76.31	Sup	1.0	0.1	242	9	DABEIBA (ANTIOQUIA)
5858	Nov 10 2016	04:15:17.3	5.74	-73.95	100	1.6	0.4	88	20	TUNUNGUA (BOYACA)
5859	Nov 10 2016	04:21:35.5	6.43	-73.38	125	1.2	0.6	138	10	SIMACOTA (SANTANDER)
5860	Nov 10 2016	04:24:52.5	4.46	-76.09	136	1.2	0.3	129	12	LA UNION (VALLE)
5861	Nov 10 2016	04:34:13.3	4.66	-76.10	40	1.2	0.3	123	10	TORO (VALLE)
5862	Nov 10 2016	04:50:56.9	6.60	-73.20	153	1.0	0.2	172	8	BARICHARA (SANTANDER)
5863	Nov 10 2016	05:17:25.9	7.20	-76.29	Sup	1.7	0.4	259	8	MUTATA (ANTIOQUIA)
5864	Nov 10 2016	05:20:33.4	6.72	-73.11	143	1.3	0.4	263	8	JORDAN (SANTANDER)
5865	Nov 10 2016	05:24:37.7	6.67	-73.18	145	0.9	0.5	226	7	VILLANUEVA (SANTANDER)
5866	Nov 10 2016	05:33:13.4	5.72	-76.03	45	2.4	0.4	94	28	BETANIA (ANTIOQUIA)
5867	Nov 10 2016	06:05:44.3	5.59	-73.74	129	1.5	0.5	150	10	SAN MIGUEL DE SEMA (BOYACA)
5868	Nov 10 2016	06:17:58.3	4.43	-76.29	82	1.5	0.1	175	7	EL DOVIO (VALLE)
5869	Nov 10 2016	06:23:52.6	6.79	-73.11	147	2.0	0.5	122	24	LOS SANTOS (SANTANDER)
5870	Nov 10 2016	06:40:36.9	5.60	-73.51	154	1.8	0.3	116	20	SACHICA (BOYACA)
5871	Nov 10 2016	06:51:43.3	6.80	-73.09	142	1.8	0.4	160	23	LOS SANTOS (SANTANDER)
5872	Nov 10 2016	06:56:26.2	5.65	-73.62	136	1.8	0.4	105	22	SUTAMARCHAN (BOYACA)
5873	Nov 10 2016	07:03:44.4	6.77	-73.13	139	1.7	0.4	157	20	LOS SANTOS (SANTANDER)
5874	Nov 10 2016	07:40:56.4	6.99	-76.23	Sup	1.0	0.5	296	8	DABEIBA (ANTIOQUIA)
5875	Nov 10 2016	07:42:6.9	6.88	-73.16	146	1.5	0.4	137	14	BETULIA (SANTANDER)
5876	Nov 10 2016	07:55:31.1	6.79	-73.13	144	1.8	0.3	157	19	LOS SANTOS (SANTANDER)
5877	Nov 10 2016	08:39:32.2	6.92	-76.71	8	2.1	0.5	247	14	MURINDO (ANTIOQUIA)
5878	Nov 10 2016	12:33:56.5	6.33	-73.58	110	1.5	0.3	226	8	SANTA HELENA DEL OPON (SANTANDER)
5879	Nov 10 2016	12:43:11.4	5.56	-73.86	135	3.4	0.6	61	64	CALDAS (BOYACA)
5880	Nov 10 2016	13:01:23.4	2.75	-75.07	Sup	1.5	0.2	241	10	RIVERA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5881	Nov 10 2016	14:07:56.2	2.33	-75.57	14	1.6	0.6	124	14	GIGANTE (HUILA)
5882	Nov 10 2016	14:25: 0.5	6.80	-73.15	144	1.9	0.5	146	14	LOS SANTOS (SANTANDER)
5883	Nov 10 2016	14:54:36.4	6.89	-73.21	130	2.0	0.5	125	12	BETULIA (SANTANDER)
5884	Nov 10 2016	15:13: 3.4	9.90	-73.18	122	3.3	0.5	136	35	AGUSTIN CODAZZI (CESAR)
5885	Nov 10 2016	16:02:32.1	5.22	-76.22	90	2.6	0.6	138	36	PUEBLO RICO (RISARALDA)
5886	Nov 10 2016	16:18:50.0	6.78	-73.13	144	1.9	0.3	156	12	LOS SANTOS (SANTANDER)
5887	Nov 10 2016	16:50:48.3	6.78	-73.09	149	1.7	0.4	161	12	LOS SANTOS (SANTANDER)
5888	Nov 10 2016	17:31:15.7	3.30	-74.47	Sup	1.9	0.6	193	12	URIBE (META)
5889	Nov 10 2016	19:04:29.5	7.16	-76.05	Sup	1.5	0.4	176	10	PEQUE (ANTIOQUIA)
5890	Nov 10 2016	19:06:19.7	7.20	-76.08	Sup	1.7	0.5	190	10	PEQUE (ANTIOQUIA)
5891	Nov 10 2016	19:57:58.5	7.14	-76.28	Sup	1.8	0.5	243	10	DABEIBA (ANTIOQUIA)
5892	Nov 10 2016	21:22:42.0	2.45	-75.36	19	1.3	0.6	201	11	ALGECIRAS (HUILA)
5893	Nov 10 2016	22:05:22.8	3.57	-76.13	62	1.6	0.4	172	8	PALMIRA (VALLE)
5894	Nov 10 2016	22:33:15.2	6.65	-73.38	119	1.6	0.3	156	8	GALAN (SANTANDER)
5895	Nov 10 2016	22:42:33.7	6.78	-73.15	145	1.7	0.4	148	11	LOS SANTOS (SANTANDER)
5896	Nov 10 2016	23:17:51.3	10.16	-74.53	29	2.3	0.6	171	16	CHIVOLO (MAGDALENA)
5897	Nov 10 2016	23:21:27.2	0.88	-77.40	8	1.3	0.3	300	8	PUERRES (NARINO)
5898	Nov 11 2016	00:26:42.0	6.80	-73.14	144	2.2	0.5	102	26	LOS SANTOS (SANTANDER)
5899	Nov 11 2016	00:55:24.5	6.80	-73.09	150	1.4	0.3	166	8	LOS SANTOS (SANTANDER)
5900	Nov 11 2016	01:10:41.5	6.80	-73.14	146	3.0	0.5	65	55	LOS SANTOS (SANTANDER)
5901	Nov 11 2016	02:19: 0.7	3.91	-76.29	118	1.7	0.2	226	8	BUGA (VALLE)
5902	Nov 11 2016	02:43: 4.9	2.00	-75.97	Sup	1.9	0.4	98	18	ELIAS (HUILA)
5903	Nov 11 2016	04:31:34.1	6.80	-73.15	147	3.3	0.5	65	64	LOS SANTOS (SANTANDER)
5904	Nov 11 2016	05:20:24.4	6.60	-73.13	147	1.5	0.3	225	7	SAN GIL (SANTANDER)
5905	Nov 11 2016	07:21:27.9	7.47	-76.20	Sup	1.9	0.6	172	14	MUTATA (ANTIOQUIA)
5906	Nov 11 2016	07:31:37.8	4.71	-76.23	93	1.5	0.4	156	16	EL CAIRO (VALLE)
5907	Nov 11 2016	07:45:20.7	10.40	-72.37	110	1.7	0.1	217	7	LA FRONTERA CON VENEZUELA
5908	Nov 11 2016	08:06:33.7	7.43	-76.22	Sup	1.2	0.4	248	10	MUTATA (ANTIOQUIA)
5909	Nov 11 2016	08:22:39.5	6.86	-73.22	154	1.5	0.4	123	15	ZAPATOCA (SANTANDER)
5910	Nov 11 2016	09:07:20.5	3.69	-76.07	Sup	1.5	0.4	119	14	GINEBRA (VALLE)
5911	Nov 11 2016	09:14: 3.2	7.18	-76.21	Sup	1.2	0.5	231	10	DABEIBA (ANTIOQUIA)
5912	Nov 11 2016	09:30:41.4	6.66	-73.18	144	1.2	0.2	229	7	VILLANUEVA (SANTANDER)
5913	Nov 11 2016	09:56:22.3	6.66	-74.10	14	1.9	0.3	122	18	PUERTO PARRA (SANTANDER)
5914	Nov 11 2016	10:06:31.1	5.84	-72.46	Sup	2.0	0.5	177	16	PISVA (BOYACA)
5915	Nov 11 2016	10:29:55.3	6.06	-76.72	21	2.1	0.5	218	18	MEDIO ATRATO (CHOCO)
5916	Nov 11 2016	10:40:58.6	1.85	-76.22	12	1.2	0.0	190	10	ISNOS (HUILA)
5917	Nov 11 2016	11:15:48.2	6.74	-73.11	144	1.9	0.4	171	14	LOS SANTOS (SANTANDER)
5918	Nov 11 2016	12:50:14.8	6.71	-73.13	142	1.6	0.3	167	12	JORDAN (SANTANDER)
5919	Nov 11 2016	13:17: 6.0	6.71	-73.19	151	1.7	0.3	225	8	VILLANUEVA (SANTANDER)
5920	Nov 11 2016	13:38:13.9	6.76	-73.14	142	2.3	0.5	153	15	LOS SANTOS (SANTANDER)
5921	Nov 11 2016	13:42:13.8	6.81	-73.17	142	2.5	0.6	141	30	LOS SANTOS (SANTANDER)
5922	Nov 11 2016	13:52:25.9	6.82	-73.17	138	2.0	0.3	138	18	ZAPATOCA (SANTANDER)
5923	Nov 11 2016	14:08: 3.9	6.80	-73.12	151	1.8	0.2	264	7	LOS SANTOS (SANTANDER)
5924	Nov 11 2016	14:27: 4.8	6.75	-73.13	144	2.2	0.4	161	14	LOS SANTOS (SANTANDER)
5925	Nov 11 2016	14:59:39.6	6.03	-77.91	21	2.7	0.3	165	24	O. PACIFICO NORTE
5926	Nov 11 2016	15:40:32.0	4.77	-76.23	111	1.5	0.0	150	8	EL CAIRO (VALLE)
5927	Nov 11 2016	16:43:35.7	6.79	-73.14	148	2.1	0.5	152	11	LOS SANTOS (SANTANDER)
5928	Nov 11 2016	17:12:35.5	7.42	-75.02	31	2.0	0.3	124	18	ZARAGOZA (ANTIOQUIA)
5929	Nov 11 2016	18:07:36.7	6.55	-73.17	117	1.8	0.5	246	12	PINCHOTE (SANTANDER)
5930	Nov 11 2016	18:14:32.8	6.79	-73.14	146	2.4	0.5	150	18	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
5931	Nov 11 2016	18:59:46.9	8.68	-73.16	120	2.2	0.4	140	20	EL TARRA (N.SANTANDER)
5932	Nov 11 2016	19:03:18.2	8.76	-73.56	32	1.7	0.4	168	9	PELAYA (CESAR)
5933	Nov 11 2016	19:06:23.0	6.70	-73.10	138	2.2	0.3	179	14	JORDAN (SANTANDER)
5934	Nov 11 2016	19:54:17.9	6.77	-73.16	144	1.9	0.3	145	10	LOS SANTOS (SANTANDER)
5935	Nov 11 2016	20:23:27.4	6.75	-74.49	19	2.0	0.3	128	12	PUERTO BERRIO (ANTIOQUIA)
5936	Nov 11 2016	20:55:17.4	4.37	-74.85	26	1.4	0.4	183	10	NARINO (CUNDINAMARCA)
5937	Nov 11 2016	21:01:20.9	4.64	-73.14	18	2.5	0.5	115	23	SAN LUIS DE GACENO (BOYACA)
5938	Nov 11 2016	21:27: 7.6	4.15	-76.92	72	1.4	0.5	150	8	BUENAVENTURA (VALLE)
5939	Nov 11 2016	21:58:39.3	6.79	-73.18	147	2.1	0.5	238	18	ZAPATOCA (SANTANDER)
5940	Nov 11 2016	22:23:10.3	2.44	-75.59	Sup	1.4	0.4	129	15	GIGANTE (HUILA)
5941	Nov 11 2016	23:30:39.3	8.78	-77.50	100	2.7	0.5	144	25	ACANDI (CHOCO)
5942	Nov 11 2016	23:32:47.0	6.82	-73.14	147	1.9	0.5	147	10	LOS SANTOS (SANTANDER)
5943	Nov 11 2016	23:37:16.7	6.78	-73.15	148	1.6	0.4	150	10	LOS SANTOS (SANTANDER)
5944	Nov 12 2016	00:22:54.4	6.83	-73.14	146	1.8	0.4	147	15	LOS SANTOS (SANTANDER)
5945	Nov 12 2016	00:33:33.7	3.99	-76.88	100	2.0	0.4	113	26	BUENAVENTURA (VALLE)
5946	Nov 12 2016	00:34: 8.7	6.75	-73.10	143	2.1	0.2	124	16	LOS SANTOS (SANTANDER)
5947	Nov 12 2016	00:43:53.8	6.77	-73.11	147	1.5	0.2	164	11	LOS SANTOS (SANTANDER)
5948	Nov 12 2016	01:30:16.7	6.77	-73.19	129	1.8	0.4	117	19	ZAPATOCA (SANTANDER)
5949	Nov 12 2016	01:39:18.7	6.68	-73.10	143	1.4	0.2	156	10	JORDAN (SANTANDER)
5950	Nov 12 2016	01:57:51.0	6.68	-73.10	147	1.4	0.3	275	7	JORDAN (SANTANDER)
5951	Nov 12 2016	02:34: 5.0	1.88	-76.00	15	1.1	0.3	146	9	PITALITO (HUILA)
5952	Nov 12 2016	03:22:27.0	6.76	-73.12	149	1.4	0.4	123	12	LOS SANTOS (SANTANDER)
5953	Nov 12 2016	03:29:52.0	6.01	-76.52	23	1.6	0.4	234	13	MEDIO ATRATO (CHOCO)
5954	Nov 12 2016	03:38:32.7	6.44	-73.80	99	1.7	0.1	154	11	CIMITARRA (SANTANDER)
5955	Nov 12 2016	03:47:40.5	2.01	-75.96	18	1.0	0.2	126	9	ELIAS (HUILA)
5956	Nov 12 2016	04:03:20.9	6.78	-73.10	145	1.4	0.2	166	11	LOS SANTOS (SANTANDER)
5957	Nov 12 2016	04:57:46.4	7.35	-73.14	140	1.4	0.2	177	9	RIONEGRO (SANTANDER)
5958	Nov 12 2016	05:06:51.2	6.75	-73.08	142	1.8	0.4	94	28	LOS SANTOS (SANTANDER)
5959	Nov 12 2016	05:37: 7.0	5.23	-73.73	144	1.4	0.4	101	17	CUCUNUBA (CUNDINAMARCA)
5960	Nov 12 2016	06:23:28.9	6.75	-73.14	148	1.2	0.4	155	10	LOS SANTOS (SANTANDER)
5961	Nov 12 2016	06:32:39.8	6.79	-73.13	145	2.0	0.5	89	29	LOS SANTOS (SANTANDER)
5962	Nov 12 2016	06:53:32.2	6.72	-73.18	153	1.2	0.2	143	10	VILLANUEVA (SANTANDER)
5963	Nov 12 2016	07:02:46.8	5.23	-73.72	149	1.2	0.3	101	11	CUCUNUBA (CUNDINAMARCA)
5964	Nov 12 2016	07:25:20.8	3.89	-76.89	83	1.3	0.1	296	7	BUENAVENTURA (VALLE)
5965	Nov 12 2016	07:27: 1.9	7.18	-74.12	8	1.6	0.3	151	12	PUERTO WILCHES (SANTANDER)
5966	Nov 12 2016	07:44:14.0	6.65	-73.31	116	1.2	0.1	149	9	GALAN (SANTANDER)
5967	Nov 12 2016	07:59:56.7	5.74	-73.09	Sup	2.7	0.4	86	44	PAIPA (BOYACA)
5968	Nov 12 2016	08:07:12.5	6.05	-73.75	119	2.0	0.4	159	30	BOLIVAR (SANTANDER)
5969	Nov 12 2016	08:38:28.4	6.65	-73.21	140	1.0	0.3	202	8	BARICHARA (SANTANDER)
5970	Nov 12 2016	08:56: 2.0	5.73	-73.11	Sup	2.0	0.5	85	24	PAIPA (BOYACA)
5971	Nov 12 2016	08:59:59.6	4.81	-76.66	32	1.2	0.4	233	11	NOVITA (CHOCO)
5972	Nov 12 2016	09:19:56.3	4.76	-76.38	95	0.8	0.3	219	7	EL CAIRO (VALLE)
5973	Nov 12 2016	10:24:18.3	5.75	-73.08	Sup	1.7	0.3	135	17	PAIPA (BOYACA)
5974	Nov 12 2016	11:09:10.3	6.79	-73.15	145	2.6	0.5	100	26	LOS SANTOS (SANTANDER)
5975	Nov 12 2016	11:10:28.3	6.80	-73.15	145	3.5	0.5	68	61	LOS SANTOS (SANTANDER)
5976	Nov 12 2016	11:13:45.0	6.83	-73.20	130	1.6	0.4	130	10	ZAPATOCA (SANTANDER)
5977	Nov 12 2016	11:16:13.5	6.80	-73.16	144	2.4	0.5	102	34	LOS SANTOS (SANTANDER)
5978	Nov 12 2016	11:44:51.1	6.81	-73.14	147	2.5	0.6	118	36	LOS SANTOS (SANTANDER)
5979	Nov 12 2016	12:53:19.7	7.75	-74.62	36	1.8	0.1	262	10	EL BAGRE (ANTIOQUIA)
5980	Nov 12 2016	14:24: 8.3	7.19	-76.23	Sup	2.0	0.5	239	12	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
5981	Nov 12 2016	14:41: 7.3	2.92	-76.91	89	1.7	0.3	138	18	SUAREZ (CAUCA)
5982	Nov 12 2016	14:45:54.3	6.80	-73.14	144	2.1	0.3	150	18	LOS SANTOS (SANTANDER)
5983	Nov 12 2016	14:57:38.4	6.78	-73.18	141	1.7	0.3	137	10	ZAPATOCA (SANTANDER)
5984	Nov 12 2016	15:08:14.2	6.71	-73.12	142	1.5	0.4	174	7	JORDAN (SANTANDER)
5985	Nov 12 2016	17:02:11.0	6.72	-73.12	141	1.8	0.3	168	14	JORDAN (SANTANDER)
5986	Nov 12 2016	17:47:17.1	6.76	-73.11	146	2.2	0.4	160	22	LOS SANTOS (SANTANDER)
5987	Nov 12 2016	21:07:16.4	2.29	-77.30	111	1.5	0.4	266	8	ARGELIA (CAUCA)
5988	Nov 12 2016	21:59:20.4	6.77	-73.19	138	1.5	0.4	135	10	ZAPATOCA (SANTANDER)
5989	Nov 12 2016	23:04: 0.8	6.36	-74.22	71	1.9	0.4	87	14	PUERTO BERRIO (ANTIOQUIA)
5990	Nov 12 2016	23:29: 8.5	6.33	-73.64	102	1.2	0.5	223	8	SANTA HELENA DEL OPON (SANTANDER)
5991	Nov 12 2016	23:31:39.7	6.79	-73.11	149	1.8	0.5	159	16	LOS SANTOS (SANTANDER)
5992	Nov 12 2016	23:33: 3.3	6.76	-73.14	142	1.4	0.5	154	11	LOS SANTOS (SANTANDER)
5993	Nov 12 2016	23:54: 8.8	6.81	-73.14	149	2.4	0.5	66	33	LOS SANTOS (SANTANDER)
5994	Nov 13 2016	00:29:40.4	6.84	-73.12	148	1.9	0.4	151	19	LOS SANTOS (SANTANDER)
5995	Nov 13 2016	00:38: 7.7	4.74	-74.58	Sup	1.4	0.3	122	8	QUIPILE (CUNDINAMARCA)
5996	Nov 13 2016	01:01:57.3	6.63	-73.10	145	1.3	0.4	210	8	CURITI (SANTANDER)
5997	Nov 13 2016	01:04:40.7	6.84	-73.16	144	2.2	0.5	140	27	ZAPATOCA (SANTANDER)
5998	Nov 13 2016	01:10:49.6	6.00	-73.72	122	1.8	0.1	207	8	BOLIVAR (SANTANDER)
5999	Nov 13 2016	01:19:29.6	6.78	-73.10	136	2.0	0.4	98	23	LOS SANTOS (SANTANDER)
6000	Nov 13 2016	02:24: 1.7	5.26	-73.72	145	1.7	0.4	97	22	CUCUNUBA (CUNDINAMARCA)
6001	Nov 13 2016	03:05:43.5	6.88	-73.35	111	1.7	0.3	113	12	SAN VICENTE DE CHUCURI (SANTANDER)
6002	Nov 13 2016	03:53:49.3	6.80	-73.13	140	2.2	0.4	101	29	LOS SANTOS (SANTANDER)
6003	Nov 13 2016	04:29:43.4	5.13	-74.83	Sup	1.3	0.5	99	20	MARIQUITA (TOLIMA)
6004	Nov 13 2016	04:51:33.0	6.83	-73.12	152	1.7	0.4	119	22	LOS SANTOS (SANTANDER)
6005	Nov 13 2016	05:11:47.6	3.46	-74.59	Sup	1.2	0.5	173	12	COLOMBIA (HUILA)
6006	Nov 13 2016	05:21:39.9	6.79	-73.14	144	3.5	0.5	65	77	LOS SANTOS (SANTANDER)
6007	Nov 13 2016	05:45:44.7	6.76	-73.14	147	1.3	0.3	154	10	LOS SANTOS (SANTANDER)
6008	Nov 13 2016	06:01:35.1	6.79	-73.12	151	1.9	0.5	67	29	LOS SANTOS (SANTANDER)
6009	Nov 13 2016	06:18:29.0	6.77	-73.14	149	1.6	0.5	120	18	LOS SANTOS (SANTANDER)
6010	Nov 13 2016	06:31: 2.6	6.32	-73.58	113	1.8	0.5	59	30	SANTA HELENA DEL OPON (SANTANDER)
6011	Nov 13 2016	06:35:39.5	6.67	-76.77	57	1.8	0.1	124	20	VIGIA DEL FUERTE (ANTIOQUIA)
6012	Nov 13 2016	07:16:39.2	6.78	-73.17	143	1.0	0.4	142	8	LOS SANTOS (SANTANDER)
6013	Nov 13 2016	07:44:26.5	9.61	-74.76	Sup	1.6	0.4	108	17	CORDOBA (BOLIVAR)
6014	Nov 13 2016	08:08:13.8	3.10	-74.55	Sup	1.0	0.3	245	12	URIBE (META)
6015	Nov 13 2016	08:18: 1.7	6.65	-74.14	10	1.4	0.5	156	10	PUERTO PARRA (SANTANDER)
6016	Nov 13 2016	08:24:18.4	4.37	-75.96	154	1.4	0.5	105	14	ZARZAL (VALLE)
6017	Nov 13 2016	08:48:17.0	7.37	-73.20	127	2.3	0.3	95	30	EL PLAYON (SANTANDER)
6018	Nov 13 2016	09:04:13.6	6.59	-73.67	101	1.4	0.4	139	12	EL CARMEN (SANTANDER)
6019	Nov 13 2016	09:39:40.0	7.35	-75.31	22	1.9	0.4	116	12	VALDIVIA (ANTIOQUIA)
6020	Nov 13 2016	09:46:56.8	4.46	-76.30	124	1.4	0.3	177	8	EL DOVIO (VALLE)
6021	Nov 13 2016	09:47: 5.3	6.85	-76.33	12	1.5	0.3	267	8	DABEIBA (ANTIOQUIA)
6022	Nov 13 2016	09:56:11.3	6.78	-73.15	146	2.1	0.4	99	20	LOS SANTOS (SANTANDER)
6023	Nov 13 2016	09:56:24.1	3.66	-74.29	12	1.6	0.4	189	13	LEJANIAS (META)
6024	Nov 13 2016	10:22:44.0	6.82	-73.15	146	2.8	0.6	81	44	LOS SANTOS (SANTANDER)
6025	Nov 13 2016	10:27:55.2	6.75	-73.15	144	2.0	0.5	95	24	LOS SANTOS (SANTANDER)
6026	Nov 13 2016	10:36:32.2	10.40	-72.87	108	2.1	0.3	143	16	LA FRONTERA CON VENEZUELA
6027	Nov 13 2016	11:07:42.0	6.72	-73.11	144	2.0	0.3	125	14	JORDAN (SANTANDER)
6028	Nov 13 2016	11:23:51.2	4.37	-75.34	6	1.8	0.3	124	22	CAJAMARCA (TOLIMA)
6029	Nov 13 2016	12:34:39.1	6.76	-73.12	144	2.8	0.4	96	38	LOS SANTOS (SANTANDER)
6030	Nov 13 2016	12:58:11.8	6.00	-75.83	22	1.5	0.2	197	8	TITIRIBI (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6031	Nov 13 2016	13:19:17.4	6.80	-73.19	142	1.6	0.2	135	9	ZAPATOCA (SANTANDER)
6032	Nov 13 2016	14:12: 3.8	4.06	-76.34	124	2.1	0.5	97	22	RIOFRIO (VALLE)
6033	Nov 13 2016	14:26:20.4	7.34	-73.11	12	2.1	0.1	175	10	RIONEGRO (SANTANDER)
6034	Nov 13 2016	14:36:35.7	6.80	-73.15	142	2.6	0.4	102	30	LOS SANTOS (SANTANDER)
6035	Nov 13 2016	14:40:33.0	6.81	-73.17	145	2.6	0.4	138	30	ZAPATOCA (SANTANDER)
6036	Nov 13 2016	16:28:32.8	2.44	-75.61	Sup	1.2	0.1	153	9	GIGANTE (HUILA)
6037	Nov 13 2016	17:45: 0.3	6.83	-73.14	144	2.3	0.6	149	20	LOS SANTOS (SANTANDER)
6038	Nov 13 2016	18:41:50.6	6.09	-73.32	162	2.6	0.4	169	22	SUAITA (SANTANDER)
6039	Nov 13 2016	18:50: 2.0	6.79	-73.17	142	2.4	0.4	101	22	LOS SANTOS (SANTANDER)
6040	Nov 13 2016	19:16:11.9	6.72	-73.10	139	1.9	0.4	175	12	JORDAN (SANTANDER)
6041	Nov 13 2016	19:40:16.9	6.72	-73.15	140	1.9	0.4	157	18	JORDAN (SANTANDER)
6042	Nov 13 2016	20:39:45.1	3.46	-74.24	Sup	2.2	0.5	105	38	MESETAS (META)
6043	Nov 13 2016	21:44:53.0	6.80	-73.14	148	1.8	0.5	151	15	LOS SANTOS (SANTANDER)
6044	Nov 13 2016	21:53: 9.1	6.78	-73.15	145	2.9	0.5	99	37	LOS SANTOS (SANTANDER)
6045	Nov 13 2016	22:18:39.6	6.41	-73.52	127	1.5	0.5	175	12	SANTA HELENA DEL OPO (SANTANDER)
6046	Nov 13 2016	22:34:52.0	6.66	-73.46	110	1.3	0.5	163	8	EL CARMEN (SANTANDER)
6047	Nov 13 2016	22:39:17.7	6.79	-73.16	142	1.9	0.4	143	14	LOS SANTOS (SANTANDER)
6048	Nov 13 2016	23:40:19.2	5.82	-76.02	69	1.3	0.4	187	8	CIUDAD BOLIVAR (ANTIOQUIA)
6049	Nov 14 2016	00:00:34.5	1.47	-78.11	Sup	2.0	0.6	209	8	BARBACOAS (NARINO)
6050	Nov 14 2016	00:10:34.5	6.80	-73.15	146	1.4	0.5	148	11	LOS SANTOS (SANTANDER)
6051	Nov 14 2016	00:27:30.7	6.69	-73.11	147	1.3	0.4	231	8	JORDAN (SANTANDER)
6052	Nov 14 2016	00:31:24.2	6.72	-73.11	150	1.4	0.4	171	9	JORDAN (SANTANDER)
6053	Nov 14 2016	01:20:29.9	5.80	-73.12	Sup	1.6	0.6	133	15	PAIPA (BOYACA)
6054	Nov 14 2016	01:28:44.1	6.05	-73.78	103	1.5	0.4	130	18	EL PENON (SANTANDER)
6055	Nov 14 2016	01:37: 0.2	6.82	-73.15	151	2.1	0.5	146	28	LOS SANTOS (SANTANDER)
6056	Nov 14 2016	01:46:49.0	6.27	-76.11	19	1.4	0.6	194	10	URRAO (ANTIOQUIA)
6057	Nov 14 2016	02:07:26.3	2.73	-79.52	7	2.0	0.6	290	13	O. PACIFICO SUR
6058	Nov 14 2016	02:16:19.0	6.77	-73.14	145	1.6	0.4	152	16	LOS SANTOS (SANTANDER)
6059	Nov 14 2016	02:31:43.0	3.96	-76.17	111	2.1	0.5	76	26	SAN PEDRO (VALLE)
6060	Nov 14 2016	02:37:54.6	6.77	-73.14	144	2.6	0.4	65	38	LOS SANTOS (SANTANDER)
6061	Nov 14 2016	03:33:31.3	6.77	-73.14	140	2.0	0.5	121	28	LOS SANTOS (SANTANDER)
6062	Nov 14 2016	03:41:41.7	7.45	-75.41	Sup	1.6	0.4	137	11	TARAZA (ANTIOQUIA)
6063	Nov 14 2016	03:59:13.0	7.70	-75.13	23	1.5	0.4	181	12	CACERES (ANTIOQUIA)
6064	Nov 14 2016	04:01:39.5	1.97	-75.53	Sup	1.3	0.4	184	10	GARZON (HUILA)
6065	Nov 14 2016	04:04:33.0	6.77	-73.12	143	3.6	0.6	67	76	LOS SANTOS (SANTANDER)
6066	Nov 14 2016	05:00:15.2	6.77	-73.15	142	2.1	0.5	151	33	LOS SANTOS (SANTANDER)
<u>6067</u>	<u>Nov 14 2016</u>	<u>05:48:51.0</u>	<u>6.78</u>	<u>-73.14</u>	<u>142</u>	<u>3.8</u>	<u>0.5</u>	<u>69</u>	<u>80</u>	<u>LOS SANTOS (SANTANDER)</u>
6068	Nov 14 2016	06:23:29.1	4.33	-75.88	148	1.6	0.4	93	21	CAICEDONIA (VALLE)
6069	Nov 14 2016	07:21:21.9	6.76	-73.12	140	1.6	0.3	160	13	LOS SANTOS (SANTANDER)
6070	Nov 14 2016	08:33: 1.5	6.78	-73.13	150	3.4	0.4	67	68	LOS SANTOS (SANTANDER)
6071	Nov 14 2016	10:20:27.2	7.52	-73.59	102	1.4	0.2	193	9	SABANA DE TORRES (SANTANDER)
6072	Nov 14 2016	10:30:51.4	6.78	-73.15	146	1.7	0.3	148	16	LOS SANTOS (SANTANDER)
6073	Nov 14 2016	10:37:22.2	6.89	-75.12	Sup	1.3	0.2	215	8	AMALFI (ANTIOQUIA)
6074	Nov 14 2016	11:22:25.7	7.61	-73.99	22	1.9	0.3	187	12	SAN PABLO (BOLIVAR)
6075	Nov 14 2016	12:12:41.9	6.77	-73.10	145	1.9	0.2	161	17	LOS SANTOS (SANTANDER)
6076	Nov 14 2016	13:46:17.6	2.91	-74.84	Sup	2.2	0.5	95	25	BARAYA (HUILA)
6077	Nov 14 2016	14:54:49.0	6.03	-73.55	152	1.5	0.3	153	10	SAN JOSE DE PARE (BOYACA)
6078	Nov 14 2016	15:32:49.9	4.42	-73.68	10	1.3	0.2	254	8	SAN JUANITO (META)
6079	Nov 14 2016	16:10:22.9	6.81	-73.16	152	1.8	0.3	143	12	LOS SANTOS (SANTANDER)
6080	Nov 14 2016	16:19:22.1	6.75	-73.14	147	1.4	0.1	155	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6081	Nov 14 2016	16:27:24.7	6.75	-73.21	144	1.7	0.2	127	8	ZAPATOCA (SANTANDER)
6082	Nov 14 2016	16:59:51.6	6.82	-73.19	146	1.9	0.4	134	14	ZAPATOCA (SANTANDER)
6083	Nov 14 2016	17:49:28.5	5.25	-73.70	149	3.2	0.4	65	45	LENGUAZAUQUE (CUNDINAMARCA)
6084	Nov 14 2016	18:05:20.0	6.76	-73.11	139	1.7	0.1	166	13	LOS SANTOS (SANTANDER)
6085	Nov 14 2016	19:33:28.3	9.09	-73.92	78	2.0	0.4	129	12	EL BANCO (MAGDALENA)
6086	Nov 14 2016	20:25: 9.4	6.84	-73.10	146	2.0	0.4	156	23	LOS SANTOS (SANTANDER)
6087	Nov 14 2016	21:19:15.8	2.15	-75.62	19	0.8	0.2	153	8	GARZON (HUILA)
6088	Nov 14 2016	21:47:12.0	6.82	-73.36	126	1.5	0.3	114	8	SAN VICENTE DE CHUCURI (SANTANDER)
6089	Nov 14 2016	21:55:35.3	6.82	-73.13	148	1.8	0.1	151	9	LOS SANTOS (SANTANDER)
6090	Nov 14 2016	22:02:10.6	6.65	-73.14	146	1.4	0.3	181	9	VILLANUEVA (SANTANDER)
6091	Nov 14 2016	23:13:51.5	6.74	-73.14	151	1.8	0.3	158	10	LOS SANTOS (SANTANDER)
6092	Nov 14 2016	23:27:28.4	7.40	-73.21	136	1.1	0.3	219	8	EL PLAYON (SANTANDER)
6093	Nov 15 2016	00:00:17.0	5.57	-75.57	Sup	1.4	0.2	106	11	VALPARAISO (ANTIOQUIA)
6094	Nov 15 2016	00:09:19.0	7.29	-75.71	Sup	1.1	0.1	142	7	ITUANGO (ANTIOQUIA)
6095	Nov 15 2016	00:18:56.6	6.79	-73.11	150	1.9	0.2	158	16	LOS SANTOS (SANTANDER)
6096	Nov 15 2016	00:19:15.0	7.41	-73.26	124	1.5	0.1	185	6	EL PLAYON (SANTANDER)
6097	Nov 15 2016	00:27:17.2	6.84	-73.20	150	1.9	0.5	128	22	ZAPATOCA (SANTANDER)
6098	Nov 15 2016	01:17:29.3	11.23	-74.54	21	1.5	0.2	234	10	EL MAR CARIBE
6099	Nov 15 2016	01:30:14.9	6.95	-76.50	85	1.3	0.0	255	7	DABEIBA (ANTIOQUIA)
6100	Nov 15 2016	01:36:54.0	6.85	-76.41	14	1.2	0.4	247	8	DABEIBA (ANTIOQUIA)
6101	Nov 15 2016	01:42:43.4	6.33	-73.59	111	1.7	0.3	149	14	SANTA HELENA DEL OPON (SANTANDER)
6102	Nov 15 2016	02:58:23.3	6.72	-73.16	147	1.3	0.3	150	8	VILLANUEVA (SANTANDER)
6103	Nov 15 2016	03:08: 9.4	6.75	-73.04	146	1.6	0.3	130	13	JORDAN (SANTANDER)
6104	Nov 15 2016	03:31:48.2	6.85	-73.31	130	1.2	0.3	109	8	ZAPATOCA (SANTANDER)
6105	Nov 15 2016	03:36:38.3	6.75	-73.10	147	1.5	0.2	162	9	LOS SANTOS (SANTANDER)
6106	Nov 15 2016	03:45:41.7	6.80	-73.12	148	2.2	0.5	120	34	LOS SANTOS (SANTANDER)
6107	Nov 15 2016	03:50:36.4	6.74	-73.11	146	1.7	0.3	169	16	LOS SANTOS (SANTANDER)
6108	Nov 15 2016	04:04:42.0	6.85	-77.02	Sup	1.8	0.4	128	10	VIGIA DEL FUERTE (ANTIOQUIA)
6109	Nov 15 2016	04:18:21.1	6.03	-73.29	172	1.8	0.3	173	22	GAMBITA (SANTANDER)
6110	Nov 15 2016	04:28:41.6	8.58	-74.13	Sup	2.3	0.3	116	32	TIQUISIO (BOLIVAR)
6111	Nov 15 2016	04:37:11.4	6.88	-73.13	149	1.5	0.3	147	12	LOS SANTOS (SANTANDER)
6112	Nov 15 2016	04:45:53.6	5.25	-73.72	147	2.1	0.4	97	28	CUCUNUBA (CUNDINAMARCA)
6113	Nov 15 2016	04:59:10.3	6.62	-73.21	140	1.4	0.2	130	10	BARICHARA (SANTANDER)
6114	Nov 15 2016	05:00:52.6	5.92	-73.68	110	1.2	0.1	271	8	GUAVATA (SANTANDER)
6115	Nov 15 2016	05:40:27.0	6.76	-73.13	143	2.3	0.5	121	32	LOS SANTOS (SANTANDER)
6116	Nov 15 2016	05:42:15.8	6.80	-73.14	145	2.1	0.5	151	31	LOS SANTOS (SANTANDER)
6117	Nov 15 2016	06:04: 8.1	5.24	-73.70	134	1.8	0.2	98	18	CUCUNUBA (CUNDINAMARCA)
6118	Nov 15 2016	06:16:57.8	6.79	-73.11	145	1.7	0.3	159	14	LOS SANTOS (SANTANDER)
6119	Nov 15 2016	06:32:18.8	2.16	-75.98	Sup	2.4	0.5	89	33	LA ARGENTINA (HUILA)
6120	Nov 15 2016	06:51: 6.3	6.07	-73.68	118	2.3	0.5	61	38	CHIPATA (SANTANDER)
6121	Nov 15 2016	07:14:14.9	6.59	-73.20	142	1.4	0.2	122	12	CABRERA (SANTANDER)
6122	Nov 15 2016	07:32:35.6	5.55	-74.14	92	1.4	0.2	297	8	MUZO (BOYACA)
6123	Nov 15 2016	07:39:45.2	10.38	-72.41	6	2.0	0.2	215	10	LA FRONTERA CON VENEZUELA
6124	Nov 15 2016	07:49:42.0	9.26	-73.48	31	1.5	0.3	187	12	CURUMANI (CESAR)
6125	Nov 15 2016	08:09:41.2	6.76	-73.12	149	2.3	0.4	68	38	LOS SANTOS (SANTANDER)
6126	Nov 15 2016	09:18:12.4	5.63	-74.28	6	1.5	0.2	208	13	OTANCHE (BOYACA)
6127	Nov 15 2016	10:26:17.5	6.76	-73.13	139	3.0	0.4	67	50	LOS SANTOS (SANTANDER)
6128	Nov 15 2016	10:37: 2.8	6.83	-71.66	13	1.7	0.5	261	7	FORTUL (ARAUCA)
6129	Nov 15 2016	11:59:11.9	6.77	-73.14	146	2.1	0.4	121	24	LOS SANTOS (SANTANDER)
6130	Nov 15 2016	13:40:19.7	5.95	-73.77	113	1.9	0.4	135	18	SUCRE (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6131	Nov 15 2016	15:18: 6.1	6.72	-73.11	140	1.9	0.4	171	12	JORDAN (SANTANDER)
6132	Nov 15 2016	15:20:26.1	6.84	-73.14	152	2.1	0.4	147	21	LOS SANTOS (SANTANDER)
6133	Nov 15 2016	15:51:10.3	6.94	-76.38	Sup	1.8	0.4	245	12	DABEIBA (ANTIOQUIA)
6134	Nov 15 2016	15:51:21.3	9.10	-73.08	13	1.5	0.2	145	10	CURUMANI (CESAR)
6135	Nov 15 2016	17:22: 3.8	6.78	-73.13	147	2.0	0.4	120	19	LOS SANTOS (SANTANDER)
6136	Nov 15 2016	17:46:37.9	6.81	-73.13	147	1.9	0.4	154	18	LOS SANTOS (SANTANDER)
6137	Nov 15 2016	18:15: 8.5	6.78	-73.14	139	1.9	0.3	154	13	LOS SANTOS (SANTANDER)
6138	Nov 15 2016	18:19:26.5	6.82	-73.16	146	1.8	0.4	104	16	LOS SANTOS (SANTANDER)
6139	Nov 15 2016	18:30: 3.5	1.97	-75.99	15	1.3	0.1	133	15	TIMANA (HUILA)
6140	Nov 15 2016	23:31:23.7	6.80	-73.15	143	2.8	0.5	83	42	LOS SANTOS (SANTANDER)
6141	Nov 16 2016	00:14:43.2	6.59	-73.19	113	1.3	0.2	234	8	BARICHARA (SANTANDER)
6142	Nov 16 2016	00:45:10.7	6.79	-73.15	142	1.7	0.4	101	21	LOS SANTOS (SANTANDER)
6143	Nov 16 2016	00:54: 7.4	6.92	-73.13	149	2.2	0.6	80	32	PIEDRECUESTA (SANTANDER)
6144	Nov 16 2016	00:57:45.8	6.81	-73.15	149	1.7	0.3	147	13	LOS SANTOS (SANTANDER)
6145	Nov 16 2016	01:43: 6.2	3.44	-74.56	19	1.8	0.2	285	8	COLOMBIA (HUILA)
6146	Nov 16 2016	02:15:15.2	6.79	-73.13	140	2.0	0.5	100	25	LOS SANTOS (SANTANDER)
6147	Nov 16 2016	02:32:19.2	6.23	-73.82	102	1.8	0.3	58	25	LANDAZURI (SANTANDER)
6148	Nov 16 2016	02:49:41.6	6.81	-73.13	149	1.3	0.3	154	10	LOS SANTOS (SANTANDER)
6149	Nov 16 2016	03:03:38.6	6.83	-73.15	150	2.2	0.6	79	34	LOS SANTOS (SANTANDER)
6150	Nov 16 2016	03:33:11.5	1.91	-75.98	17	1.3	0.3	115	14	TIMANA (HUILA)
6151	Nov 16 2016	04:10:46.1	6.80	-73.12	149	1.8	0.2	158	10	LOS SANTOS (SANTANDER)
6152	Nov 16 2016	04:33: 9.3	6.35	-74.33	19	1.3	0.3	136	12	PUERTO BERRIO (ANTIOQUIA)
6153	Nov 16 2016	04:49:23.8	6.79	-73.14	147	2.9	0.4	87	53	LOS SANTOS (SANTANDER)
6154	Nov 16 2016	05:28:34.1	6.81	-73.16	151	2.7	0.5	80	44	LOS SANTOS (SANTANDER)
6155	Nov 16 2016	06:33:38.8	6.26	-73.63	109	1.4	0.2	235	8	SANTA HELENA DEL OPON (SANTANDER)
6156	Nov 16 2016	06:40:26.2	6.72	-73.12	141	1.6	0.4	124	14	JORDAN (SANTANDER)
6157	Nov 16 2016	07:07:12.8	5.42	-74.10	118	1.2	0.4	116	16	PAIME (CUNDINAMARCA)
6158	Nov 16 2016	07:35:37.0	6.77	-73.07	150	1.4	0.4	126	14	LOS SANTOS (SANTANDER)
6159	Nov 16 2016	07:53:36.3	6.71	-73.12	154	1.2	0.3	173	9	JORDAN (SANTANDER)
6160	Nov 16 2016	08:23: 1.1	7.48	-75.10	24	1.8	0.4	92	18	ZARAGOZA (ANTIOQUIA)
6161	Nov 16 2016	08:34:20.3	6.74	-73.12	145	1.8	0.5	163	20	LOS SANTOS (SANTANDER)
6162	Nov 16 2016	09:03:52.0	6.75	-73.15	154	1.5	0.4	120	16	LOS SANTOS (SANTANDER)
6163	Nov 16 2016	09:08:40.2	6.74	-73.16	151	1.4	0.3	149	10	LOS SANTOS (SANTANDER)
6164	Nov 16 2016	09:33:34.0	6.84	-73.10	160	1.7	0.4	73	21	LOS SANTOS (SANTANDER)
6165	Nov 16 2016	10:24:20.6	6.80	-73.15	142	1.7	0.4	148	13	LOS SANTOS (SANTANDER)
6166	Nov 16 2016	10:25:30.4	6.77	-73.16	148	1.9	0.4	147	14	LOS SANTOS (SANTANDER)
6167	Nov 16 2016	10:26:58.5	6.69	-73.13	140	1.5	0.4	172	10	VILLANUEVA (SANTANDER)
6168	Nov 16 2016	10:32:42.7	6.78	-73.19	144	1.4	0.2	134	9	ZAPATOCA (SANTANDER)
6169	Nov 16 2016	10:46:20.1	4.30	-75.24	Sup	1.1	0.3	164	12	ROVIRA (TOLIMA)
6170	Nov 16 2016	11:23:20.8	6.59	-73.53	110	2.7	0.6	91	39	EL CARMEN (SANTANDER)
6171	Nov 16 2016	11:41:20.0	10.98	-73.56	29	1.6	0.4	189	13	PUEBLO BELLO (CESAR)
6172	Nov 16 2016	11:56: 2.3	5.55	-74.09	106	1.7	0.4	117	10	MUZO (BOYACA)
6173	Nov 16 2016	13:10: 1.4	6.82	-73.13	142	1.5	0.4	153	8	LOS SANTOS (SANTANDER)
6174	Nov 16 2016	13:33:19.9	6.83	-73.15	147	2.5	0.5	106	26	LOS SANTOS (SANTANDER)
6175	Nov 16 2016	13:35:23.2	6.56	-73.54	113	2.0	0.5	91	20	EL CARMEN (SANTANDER)
6176	Nov 16 2016	14:14:59.7	6.68	-73.23	103	1.3	0.8	112	8	BARICHARA (SANTANDER)
6177	Nov 16 2016	14:15:49.0	5.43	-73.77	144	1.8	0.4	147	17	FUQUENE (CUNDINAMARCA)
6178	Nov 16 2016	15:10:25.3	6.75	-73.14	143	1.9	0.3	154	11	LOS SANTOS (SANTANDER)
6179	Nov 16 2016	16:34:44.6	6.78	-73.13	150	2.1	0.4	98	16	LOS SANTOS (SANTANDER)
6180	Nov 16 2016	16:38:50.4	2.57	-75.36	22	1.2	0.3	193	8	ALGECIRAS (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6181	Nov 16 2016	16:54:15.3	4.81	-76.22	96	1.3	0.5	163	8	EL CAIRO (VALLE)
6182	Nov 16 2016	18:59:47.6	6.78	-73.15	142	2.4	0.4	83	32	LOS SANTOS (SANTANDER)
6183	Nov 16 2016	21:43:44.9	6.39	-73.49	116	2.8	0.5	59	50	CONTRATACION (SANTANDER)
6184	Nov 16 2016	22:15: 4.9	7.40	-72.81	Sup	1.7	0.3	206	9	VETAS (SANTANDER)
6185	Nov 16 2016	22:21:41.8	6.77	-73.12	145	2.3	0.5	122	36	LOS SANTOS (SANTANDER)
6186	Nov 16 2016	22:31:35.1	7.67	-75.26	19	1.9	0.5	117	16	CACERES (ANTIOQUIA)
6187	Nov 16 2016	23:05:50.7	4.46	-76.03	52	1.2	0.3	156	8	LA VICTORIA (VALLE)
6188	Nov 17 2016	00:13:27.2	6.64	-73.10	135	1.4	0.1	235	7	CURITI (SANTANDER)
6189	Nov 17 2016	00:14:39.7	6.79	-73.13	152	1.4	0.1	154	10	LOS SANTOS (SANTANDER)
6190	Nov 17 2016	00:49:39.8	6.54	-77.88	20	2.5	0.6	130	30	O. PACIFICO NORTE
6191	Nov 17 2016	00:58:21.9	4.78	-76.17	92	1.0	0.2	126	10	EL CAIRO (VALLE)
6192	Nov 17 2016	01:51:24.7	6.89	-73.32	122	3.2	0.7	52	64	BETULIA (SANTANDER)
6193	Nov 17 2016	02:03:36.9	8.18	-76.86	88	2.2	0.3	174	24	TURBO (ANTIOQUIA)
6194	Nov 17 2016	02:58:36.2	6.70	-73.15	154	1.4	0.2	158	9	VILLANUEVA (SANTANDER)
6195	Nov 17 2016	03:19:23.1	6.81	-73.12	148	2.0	0.5	102	25	LOS SANTOS (SANTANDER)
6196	Nov 17 2016	03:57:15.0	5.08	-78.05	10	1.9	0.6	264	22	O. PACIFICO CENTRO
6197	Nov 17 2016	04:40: 9.2	6.77	-73.13	148	1.0	0.2	158	9	LOS SANTOS (SANTANDER)
6198	Nov 17 2016	05:39: 3.8	6.85	-73.07	151	1.3	0.2	165	9	LOS SANTOS (SANTANDER)
6199	Nov 17 2016	05:56:43.4	6.72	-73.15	157	1.4	0.2	153	8	VILLANUEVA (SANTANDER)
6200	Nov 17 2016	05:57:19.7	6.61	-73.42	113	1.7	0.3	138	13	EL CARMEN (SANTANDER)
6201	Nov 17 2016	06:07:30.5	6.85	-75.20	18	2.2	0.6	60	20	GUADALUPE (ANTIOQUIA)
6202	Nov 17 2016	06:28:56.6	7.61	-74.38	27	1.6	0.4	118	16	EL BAGRE (ANTIOQUIA)
6203	Nov 17 2016	06:32: 0.6	6.75	-73.13	142	1.3	0.2	160	9	LOS SANTOS (SANTANDER)
6204	Nov 17 2016	06:44: 5.3	6.70	-73.15	152	1.2	0.2	156	7	VILLANUEVA (SANTANDER)
6205	Nov 17 2016	07:22:37.8	6.72	-73.14	145	1.1	0.2	160	9	JORDAN (SANTANDER)
6206	Nov 17 2016	07:37:36.8	7.53	-72.34	Sup	1.4	0.3	244	12	LA FRONTERA CON VENEZUELA
6207	Nov 17 2016	08:15:39.7	6.75	-73.11	140	1.5	0.3	124	12	LOS SANTOS (SANTANDER)
6208	Nov 17 2016	08:24:19.8	6.74	-73.14	144	1.5	0.3	160	10	LOS SANTOS (SANTANDER)
6209	Nov 17 2016	08:30:56.6	6.73	-73.12	143	1.2	0.2	168	9	JORDAN (SANTANDER)
6210	Nov 17 2016	10:05: 1.6	6.14	-74.02	Sup	1.6	0.3	107	22	CIMITARRA (SANTANDER)
6211	Nov 17 2016	10:42: 2.7	7.21	-76.31	Sup	1.6	0.3	248	10	MUTATA (ANTIOQUIA)
6212	Nov 17 2016	10:43: 7.8	6.75	-73.12	142	2.3	0.4	123	28	LOS SANTOS (SANTANDER)
6213	Nov 17 2016	11:30:55.8	6.37	-76.70	14	1.8	0.5	226	18	VIGIA DEL FUERTE (ANTIOQUIA)
6214	Nov 17 2016	12:27:30.0	7.27	-78.15	10	2.7	0.4	140	31	JURADO (CHOCO)
6215	Nov 17 2016	13:15:26.0	1.67	-76.80	Sup	1.7	0.5	162	12	SAN SEBASTIAN (CAUCA)
6216	Nov 17 2016	13:17: 3.5	6.86	-73.13	145	2.0	0.3	148	17	LOS SANTOS (SANTANDER)
6217	Nov 17 2016	13:26:11.7	4.13	-76.25	121	1.5	0.4	146	14	RIOFRIO (VALLE)
6218	Nov 17 2016	13:26:25.0	6.36	-73.64	107	1.6	0.3	119	14	SANTA HELENA DEL OPON (SANTANDER)
6219	Nov 17 2016	13:52:53.0	5.84	-78.93	Sup	2.2	0.1	280	10	O.PACIFICO NORTE
6220	Nov 17 2016	14:12:34.2	6.83	-73.12	148	2.6	0.5	67	38	LOS SANTOS (SANTANDER)
6221	Nov 17 2016	14:23:55.7	1.68	-76.81	Sup	0.4	0.0	197	7	SAN SEBASTIAN (CAUCA)
6222	Nov 17 2016	14:28:54.9	1.73	-76.88	Sup	0.6	0.2	163	7	BOLIVAR (CAUCA)
6223	Nov 17 2016	15:27:17.5	6.76	-73.76	67	1.1	0.3	117	11	EL CARMEN (SANTANDER)
6224	Nov 17 2016	15:30:23.4	6.77	-73.13	144	1.9	0.4	157	18	LOS SANTOS (SANTANDER)
6225	Nov 17 2016	16:45:55.1	6.72	-77.72	6	2.8	0.5	148	42	O. PACIFICO NORTE
6226	Nov 17 2016	17:38:58.7	6.76	-73.13	146	1.8	0.3	157	10	LOS SANTOS (SANTANDER)
6227	Nov 17 2016	17:59:33.7	6.71	-73.11	141	1.7	0.3	174	10	JORDAN (SANTANDER)
6228	Nov 17 2016	19:39:43.4	6.68	-73.12	140	2.0	0.6	163	11	VILLANUEVA (SANTANDER)
6229	Nov 17 2016	19:58:25.8	6.72	-73.12	150	1.7	0.4	169	9	JORDAN (SANTANDER)
6230	Nov 17 2016	20:06:36.1	5.66	-74.52	Sup	1.6	0.2	186	8	PUERTO TRIUNFO (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6231	Nov 17 2016	21:37:34.0	9.33	-75.12	96	2.4	0.4	183	18	SINCE (SUCRE)
6232	Nov 17 2016	22:37:50.2	6.71	-73.12	139	1.3	0.3	170	8	JORDAN (SANTANDER)
6233	Nov 17 2016	23:12:58.4	6.72	-73.14	140	1.7	0.4	158	10	JORDAN (SANTANDER)
6234	Nov 18 2016	00:42:51.3	2.42	-76.03	Sup	1.8	0.5	94	23	INZA (CAUCA)
6235	Nov 18 2016	01:14:57.3	4.51	-76.75	21	2.0	0.5	159	26	SIPI (CHOCO)
6236	Nov 18 2016	01:25:17.4	6.96	-76.13	36	1.3	0.3	132	12	URAMITA (ANTIOQUIA)
6237	Nov 18 2016	01:32:32.6	6.74	-73.14	145	1.5	0.3	155	9	LOS SANTOS (SANTANDER)
6238	Nov 18 2016	02:08:35.9	6.73	-73.13	127	1.2	0.1	161	9	LOS SANTOS (SANTANDER)
6239	Nov 18 2016	03:23:20.0	6.77	-73.17	141	1.4	0.2	143	10	LOS SANTOS (SANTANDER)
6240	Nov 18 2016	03:53:51.7	6.80	-73.14	147	1.6	0.4	102	18	LOS SANTOS (SANTANDER)
6241	Nov 18 2016	04:18:14.0	6.82	-73.15	144	2.0	0.5	82	33	LOS SANTOS (SANTANDER)
6242	Nov 18 2016	04:57: 7.8	7.40	-73.79	28	1.0	0.2	178	10	PUERTO WILCHES (SANTANDER)
6243	Nov 18 2016	05:14:28.1	5.65	-73.85	115	1.2	0.2	173	11	CHIQUINQUIRA (BOYACA)
6244	Nov 18 2016	05:17:42.7	7.23	-76.28	Sup	2.1	0.5	176	25	MUTATA (ANTIOQUIA)
6245	Nov 18 2016	05:34:59.1	5.25	-73.72	144	2.5	0.5	65	50	CUCUNUBA (CUNDINAMARCA)
6246	Nov 18 2016	06:06:20.5	6.77	-73.18	141	1.2	0.0	219	7	LOS SANTOS (SANTANDER)
6247	Nov 18 2016	06:13:41.8	6.94	-72.01	Sup	1.6	0.4	217	11	CUBARA (BOYACA)
6248	Nov 18 2016	06:34: 5.7	6.71	-73.07	147	1.2	0.3	188	10	JORDAN (SANTANDER)
6249	Nov 18 2016	06:49:59.4	6.60	-71.84	Sup	2.5	0.6	165	28	TAME (ARAUCA)
6250	Nov 18 2016	07:00:10.7	6.81	-73.14	146	1.5	0.3	149	14	LOS SANTOS (SANTANDER)
6251	Nov 18 2016	07:15:25.9	6.76	-73.12	140	1.5	0.4	123	12	LOS SANTOS (SANTANDER)
6252	Nov 18 2016	07:37:56.4	6.75	-73.15	145	1.2	0.3	246	7	LOS SANTOS (SANTANDER)
6253	Nov 18 2016	07:41:40.7	6.70	-73.15	144	1.2	0.3	246	8	VILLANUEVA (SANTANDER)
6254	Nov 18 2016	08:56:15.0	6.66	-73.21	142	1.1	0.4	201	8	BARICHARA (SANTANDER)
6255	Nov 18 2016	09:52:29.1	6.86	-73.14	148	1.8	0.6	65	28	LOS SANTOS (SANTANDER)
6256	Nov 18 2016	10:43:25.1	3.59	-76.82	129	1.4	0.2	138	7	DAGUA (VALLE)
6257	Nov 18 2016	11:32:52.6	6.82	-73.14	153	1.6	0.3	147	10	LOS SANTOS (SANTANDER)
6258	Nov 18 2016	12:30:52.6	6.77	-73.12	139	1.4	0.1	161	9	LOS SANTOS (SANTANDER)
6259	Nov 18 2016	12:34:51.3	6.76	-73.12	153	1.5	0.3	162	8	LOS SANTOS (SANTANDER)
6260	Nov 18 2016	12:59:34.7	6.83	-73.14	153	2.3	0.6	149	32	LOS SANTOS (SANTANDER)
6261	Nov 18 2016	13:05:54.4	6.82	-73.12	150	2.1	0.4	154	24	LOS SANTOS (SANTANDER)
6262	Nov 18 2016	13:09:14.8	6.78	-73.16	146	1.7	0.3	146	18	LOS SANTOS (SANTANDER)
6263	Nov 18 2016	13:11:29.2	1.97	-75.75	Sup	0.9	0.1	116	7	SUAZA (HUILA)
6264	Nov 18 2016	13:27:38.4	10.56	-73.20	86	1.6	0.2	177	10	LA PAZ (CESAR)
6265	Nov 18 2016	13:43:17.9	10.78	-74.02	Sup	1.4	0.3	193	10	PUEBLO BELLO (CESAR)
6266	Nov 18 2016	13:52:12.1	6.78	-73.14	156	1.4	0.3	154	14	LOS SANTOS (SANTANDER)
6267	Nov 18 2016	14:06:55.8	6.85	-73.11	151	2.8	0.5	154	42	LOS SANTOS (SANTANDER)
6268	Nov 18 2016	14:15:13.5	6.84	-73.12	140	1.3	0.3	152	8	LOS SANTOS (SANTANDER)
6269	Nov 18 2016	15:22:56.9	6.30	-74.26	66	1.5	0.1	144	10	PUERTO BERRIO (ANTIOQUIA)
6270	Nov 18 2016	15:24:46.0	6.82	-73.15	151	3.0	0.6	74	54	LOS SANTOS (SANTANDER)
6271	Nov 18 2016	16:30:43.7	6.80	-73.13	149	1.9	0.4	153	14	LOS SANTOS (SANTANDER)
6272	Nov 18 2016	16:56:13.4	7.64	-75.22	19	2.0	0.5	168	12	CACERES (ANTIOQUIA)
6273	Nov 18 2016	18:32:57.2	6.83	-73.14	151	3.0	0.5	75	39	LOS SANTOS (SANTANDER)
6274	Nov 18 2016	19:44:33.7	6.75	-73.36	128	1.4	0.3	129	9	ZAPATOCA (SANTANDER)
6275	Nov 18 2016	20:36: 6.8	6.76	-73.13	144	2.5	0.5	122	28	LOS SANTOS (SANTANDER)
6276	Nov 18 2016	21:21:20.6	6.76	-73.14	147	1.8	0.4	153	10	LOS SANTOS (SANTANDER)
6277	Nov 18 2016	21:29:55.3	7.15	-73.83	75	1.3	0.5	180	7	BARRANCABERMEJA (SANTANDER)
6278	Nov 18 2016	22:18:34.6	6.77	-73.09	146	1.6	0.4	171	12	LOS SANTOS (SANTANDER)
6279	Nov 18 2016	22:28: 6.4	5.43	-73.81	130	1.7	0.5	143	18	SUSA (CUNDINAMARCA)
6280	Nov 18 2016	23:03:19.2	6.10	-73.77	101	1.4	0.4	193	10	EL PENON (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6281	Nov 18 2016	23:14:50.0	6.75	-73.14	140	1.6	0.4	155	14	LOS SANTOS (SANTANDER)
6282	Nov 18 2016	23:19: 0.3	6.80	-73.16	140	1.6	0.5	143	15	LOS SANTOS (SANTANDER)
6283	Nov 19 2016	00:43:21.4	6.77	-73.11	146	2.2	0.5	123	26	LOS SANTOS (SANTANDER)
6284	Nov 19 2016	00:52:31.8	1.68	-79.18	6	1.9	0.4	248	16	O. PACIFICO SUR
6285	Nov 19 2016	03:07:18.6	5.64	-73.93	108	2.1	0.3	131	24	BRICENO (BOYACA)
6286	Nov 19 2016	03:19:45.6	6.75	-73.11	141	1.5	0.4	169	10	LOS SANTOS (SANTANDER)
6287	Nov 19 2016	05:03: 7.1	6.63	-73.14	149	1.4	0.2	187	10	VILLANUEVA (SANTANDER)
6288	Nov 19 2016	05:19:36.9	6.82	-73.10	143	1.4	0.3	160	12	LOS SANTOS (SANTANDER)
6289	Nov 19 2016	05:47:37.8	5.27	-72.52	Sup	1.5	0.5	127	14	AGUAZUL (CASANARE)
6290	Nov 19 2016	06:38:54.3	7.06	-73.46	105	1.2	0.2	143	10	SAN VICENTE DE CHUCURI (SANTANDER)
6291	Nov 19 2016	07:11:32.6	6.81	-73.16	147	1.0	0.2	145	8	LOS SANTOS (SANTANDER)
6292	Nov 19 2016	07:37:21.8	3.45	-74.68	Sup	1.5	0.5	169	16	COLOMBIA (HUILA)
6293	Nov 19 2016	08:01:55.0	6.80	-73.16	146	1.4	0.2	102	11	LOS SANTOS (SANTANDER)
6294	Nov 19 2016	08:03: 0.6	6.82	-73.12	140	1.7	0.4	104	18	LOS SANTOS (SANTANDER)
6295	Nov 19 2016	08:10:51.9	6.75	-73.10	138	1.4	0.3	170	10	LOS SANTOS (SANTANDER)
6296	Nov 19 2016	08:39:33.8	6.73	-73.16	149	1.3	0.3	93	13	VILLANUEVA (SANTANDER)
6297	Nov 19 2016	08:47:30.4	10.19	-72.92	Sup	2.0	0.6	144	17	MANAURE BALCON CESAR (CESAR)
6298	Nov 19 2016	11:30:55.6	8.20	-73.50	118	1.6	0.4	255	10	RIO DE ORO (CESAR)
6299	Nov 19 2016	11:40:36.1	6.80	-73.14	151	2.4	0.5	73	30	LOS SANTOS (SANTANDER)
6300	Nov 19 2016	12:47:21.0	7.48	-72.14	Sup	1.9	0.5	265	11	LA FRONTERA CON VENEZUELA
6301	Nov 19 2016	15:13:45.2	6.73	-73.11	152	1.6	0.4	169	10	JORDAN (SANTANDER)
6302	Nov 19 2016	15:25:22.7	7.89	-73.44	108	1.6	0.4	232	11	SAN MARTIN (CESAR)
6303	Nov 19 2016	15:50:40.6	6.74	-73.15	136	1.8	0.3	153	10	LOS SANTOS (SANTANDER)
6304	Nov 19 2016	16:04:17.0	5.14	-75.01	19	1.5	0.6	145	11	FRESNO (TOLIMA)
6305	Nov 19 2016	16:04:40.7	7.99	-73.41	121	1.6	0.2	241	8	SAN MARTIN (CESAR)
6306	Nov 19 2016	16:20:14.9	8.90	-73.57	120	3.4	0.6	115	46	PAILITAS (CESAR)
6307	Nov 19 2016	16:51:49.1	6.71	-73.17	143	1.5	0.1	144	9	VILLANUEVA (SANTANDER)
6308	Nov 19 2016	17:11: 4.3	5.82	-75.98	66	1.6	0.4	133	14	CIUDAD BOLIVAR (ANTIOQUIA)
6309	Nov 19 2016	17:23:47.1	6.76	-73.17	141	1.5	0.3	142	11	LOS SANTOS (SANTANDER)
6310	Nov 19 2016	17:32:29.0	6.79	-73.14	146	2.1	0.4	150	25	LOS SANTOS (SANTANDER)
6311	Nov 19 2016	19:05:36.6	4.80	-75.88	30	2.2	0.7	69	30	CARTAGO (VALLE)
6312	Nov 19 2016	19:54:25.2	6.80	-73.17	141	1.9	0.3	142	20	LOS SANTOS (SANTANDER)
6313	Nov 19 2016	19:57:44.9	4.76	-76.37	98	2.0	0.2	201	13	EL CAIRO (VALLE)
6314	Nov 19 2016	20:11:33.3	5.74	-73.90	120	1.7	0.5	131	12	ALBANIA (SANTANDER)
6315	Nov 19 2016	20:47:35.0	7.42	-72.36	Sup	2.7	0.4	198	30	LA FRONTERA CON VENEZUELA
6316	Nov 19 2016	21:56:45.0	1.96	-75.89	Sup	1.5	0.1	136	8	TIMANA (HUILA)
6317	Nov 19 2016	22:15: 5.5	6.72	-73.13	149	1.7	0.4	167	12	JORDAN (SANTANDER)
6318	Nov 19 2016	22:25:51.2	6.76	-73.13	136	2.3	0.5	159	16	LOS SANTOS (SANTANDER)
6319	Nov 19 2016	23:11:44.4	6.74	-73.13	150	1.7	0.4	162	10	LOS SANTOS (SANTANDER)
6320	Nov 20 2016	00:56:21.6	7.46	-73.19	136	2.2	0.5	89	27	EL PLAYON (SANTANDER)
6321	Nov 20 2016	02:16:34.7	7.01	-76.15	Sup	1.6	0.2	163	8	DABEIBA (ANTIOQUIA)
6322	Nov 20 2016	03:21:39.2	6.83	-73.12	154	2.1	0.6	67	34	LOS SANTOS (SANTANDER)
6323	Nov 20 2016	03:43: 9.0	6.75	-73.12	154	2.0	0.3	123	19	LOS SANTOS (SANTANDER)
6324	Nov 20 2016	03:44: 9.0	5.14	-75.93	113	1.7	0.4	119	15	APIA (RISARALDA)
6325	Nov 20 2016	04:21:35.4	2.40	-75.63	Sup	1.0	0.1	132	7	GIGANTE (HUILA)
6326	Nov 20 2016	06:16:31.6	5.27	-73.72	142	1.9	0.4	98	23	LENGUAZQUE (CUNDINAMARCA)
6327	Nov 20 2016	06:19:43.4	6.85	-73.14	144	1.9	0.5	82	24	LOS SANTOS (SANTANDER)
6328	Nov 20 2016	06:33: 7.7	6.80	-73.14	148	3.1	0.6	65	64	LOS SANTOS (SANTANDER)
6329	Nov 20 2016	06:47: 7.6	6.76	-73.09	151	1.7	0.4	125	15	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6330	Nov 20 2016	07:02:40.8	3.40	-74.71	Sup	1.6	0.5	168	17	COLOMBIA (HUILA)
6331	Nov 20 2016	07:37:35.5	6.46	-73.05	135	1.0	0.0	251	7	MOGOTES (SANTANDER)
6332	Nov 20 2016	07:41:45.0	6.78	-73.11	139	2.3	0.3	91	34	LOS SANTOS (SANTANDER)
6333	Nov 20 2016	07:45:40.2	2.17	-76.17	Sup	0.8	0.3	194	8	LA ARGENTINA (HUILA)
6334	Nov 20 2016	08:11:47.5	4.80	-76.15	100	1.0	0.3	127	8	EL CAIRO (VALLE)
6335	Nov 20 2016	08:25:59.4	5.24	-73.73	144	1.4	0.3	122	11	CUCUNUBA (CUNDINAMARCA)
6336	Nov 20 2016	08:59:57.7	6.75	-73.14	140	1.3	0.2	158	9	LOS SANTOS (SANTANDER)
6337	Nov 20 2016	09:13:43.5	6.75	-73.10	143	1.6	0.3	101	11	LOS SANTOS (SANTANDER)
6338	Nov 20 2016	09:57:46.9	3.23	-76.40	15	2.4	0.6	55	36	PUERTO TEJADA (CAUCA)
6339	Nov 20 2016	10:02:44.1	3.25	-76.43	21	1.4	0.4	154	14	PUERTO TEJADA (CAUCA)
6340	Nov 20 2016	10:19:16.8	6.73	-73.16	146	1.5	0.5	148	8	VILLANUEVA (SANTANDER)
6341	Nov 20 2016	11:01:56.6	6.81	-73.16	151	2.1	0.5	75	29	LOS SANTOS (SANTANDER)
6342	Nov 20 2016	12:15:52.7	6.82	-73.26	123	1.5	0.4	134	8	ZAPATOCA (SANTANDER)
6343	Nov 20 2016	13:25: 7.2	6.80	-73.14	150	1.8	0.3	150	10	LOS SANTOS (SANTANDER)
6344	Nov 20 2016	14:50: 7.4	6.73	-73.14	142	1.6	0.4	158	12	LOS SANTOS (SANTANDER)
6345	Nov 20 2016	15:43:42.1	6.03	-72.81	Sup	1.4	0.4	282	8	TUTAZA (BOYACA)
6346	Nov 20 2016	16:33:46.6	6.66	-73.46	112	1.3	0.7	157	10	EL CARMEN (SANTANDER)
6347	Nov 20 2016	18:28: 4.8	5.91	-72.61	Sup	1.3	0.4	292	8	SOCHA (BOYACA)
6348	Nov 20 2016	19:23:59.8	6.70	-73.17	150	1.6	0.2	149	8	VILLANUEVA (SANTANDER)
6349	Nov 20 2016	20:52: 4.6	6.72	-73.11	148	1.7	0.4	172	14	JORDAN (SANTANDER)
6350	Nov 20 2016	20:55: 8.1	1.96	-76.16	Sup	2.2	0.4	111	22	ISNOS (HUILA)
6351	Nov 20 2016	22:18:30.4	6.78	-73.14	141	1.7	0.4	151	16	LOS SANTOS (SANTANDER)
6352	Nov 20 2016	22:27:17.6	5.27	-75.11	119	1.4	0.4	212	7	MANZANARES (CALDAS)
6353	Nov 20 2016	23:02:44.8	2.07	-75.74	Sup	2.6	0.4	103	32	ALTAMIRA (HUILA)
6354	Nov 20 2016	23:49:20.6	6.70	-73.14	136	1.2	0.1	166	6	VILLANUEVA (SANTANDER)
6355	Nov 21 2016	00:19:23.1	7.21	-76.47	12	2.4	0.6	118	38	MUTATA (ANTIOQUIA)
6356	Nov 21 2016	00:49:14.7	6.75	-73.13	145	1.7	0.3	160	15	LOS SANTOS (SANTANDER)
6357	Nov 21 2016	01:13:26.9	3.45	-74.62	20	1.1	0.2	112	8	COLOMBIA (HUILA)
6358	Nov 21 2016	01:20: 5.0	3.81	-71.40	Sup	2.5	0.5	257	33	PUERTO GAITAN (META)
6359	Nov 21 2016	01:22: 7.1	3.16	-77.47	26	1.7	0.3	113	13	LOPEZ (CAUCA)
6360	Nov 21 2016	01:23:23.5	6.71	-73.10	141	1.2	0.1	230	7	JORDAN (SANTANDER)
6361	Nov 21 2016	01:49:12.1	5.82	-74.18	96	1.1	0.1	197	7	OTANCHE (BOYACA)
6362	Nov 21 2016	01:57:57.0	2.70	-74.98	Sup	0.9	0.3	205	7	RIVERA (HUILA)
6363	Nov 21 2016	02:25:14.6	1.13	-77.01	Sup	1.1	0.2	274	10	SANTIAGO (PUTUMAYO)
6364	Nov 21 2016	02:47:39.4	7.60	-73.37	113	0.9	0.2	206	9	LA ESPERANZA (N.SANTANDER)
6365	Nov 21 2016	03:02:57.6	6.17	-73.77	112	1.4	0.4	124	14	LANDAZURI (SANTANDER)
6366	Nov 21 2016	03:07:52.1	3.23	-76.45	15	2.3	0.4	98	32	PUERTO TEJADA (CAUCA)
6367	Nov 21 2016	03:28:23.9	10.55	-73.74	8	1.6	0.3	171	16	PUEBLO BELLO (CESAR)
6368	Nov 21 2016	04:09:39.8	6.76	-73.14	140	1.5	0.2	154	14	LOS SANTOS (SANTANDER)
6369	Nov 21 2016	04:15:11.6	6.80	-73.12	146	2.0	0.5	121	28	LOS SANTOS (SANTANDER)
6370	Nov 21 2016	04:37:22.1	2.13	-78.37	78	2.3	0.5	145	31	OLAYA HERRERA (NARINO)
6371	Nov 21 2016	04:46:17.5	6.62	-73.18	141	1.2	0.3	221	7	BARICHARA (SANTANDER)
6372	Nov 21 2016	04:48:52.1	6.80	-73.14	148	1.6	0.4	151	20	LOS SANTOS (SANTANDER)
6373	Nov 21 2016	05:02:22.7	6.74	-73.18	146	1.2	0.1	141	7	VILLANUEVA (SANTANDER)
6374	Nov 21 2016	05:40:22.9	6.71	-73.13	146	1.4	0.4	123	12	JORDAN (SANTANDER)
6375	Nov 21 2016	05:52: 1.1	6.69	-73.34	124	1.1	0.3	162	8	GALAN (SANTANDER)
6376	Nov 21 2016	06:32:13.0	6.63	-73.20	148	1.0	0.3	200	7	BARICHARA (SANTANDER)
6377	Nov 21 2016	07:20:14.5	6.76	-73.14	147	1.8	0.7	121	25	LOS SANTOS (SANTANDER)
6378	Nov 21 2016	07:40: 3.2	6.82	-73.09	150	1.4	0.6	159	16	LOS SANTOS (SANTANDER)
6379	Nov 21 2016	07:46: 3.6	6.78	-73.18	140	1.4	0.3	253	9	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6380	Nov 21 2016	08:25:55.9	6.73	-73.19	152	1.2	0.3	230	10	VILLANUEVA (SANTANDER)
6381	Nov 21 2016	08:29:11.2	6.64	-73.16	145	1.3	0.2	255	8	VILLANUEVA (SANTANDER)
6382	Nov 21 2016	08:55:25.4	6.84	-76.29	Sup	1.0	0.4	223	8	URAMITA (ANTIOQUIA)
6383	Nov 21 2016	10:16:43.7	6.52	-73.54	114	2.2	0.6	56	31	EL CARMEN (SANTANDER)
6384	Nov 21 2016	10:20:37.7	6.73	-73.14	149	1.4	0.4	251	9	LOS SANTOS (SANTANDER)
6385	Nov 21 2016	10:30:45.1	2.67	-75.08	14	1.3	0.3	196	10	RIVERA (HUILA)
6386	Nov 21 2016	11:27: 9.6	6.81	-73.15	147	1.6	0.2	147	10	LOS SANTOS (SANTANDER)
6387	Nov 21 2016	11:41:57.1	6.85	-73.29	121	2.0	0.1	110	11	BETULIA (SANTANDER)
6388	Nov 21 2016	12:11:51.7	6.85	-73.22	141	1.8	0.3	152	10	ZAPATOCA (SANTANDER)
6389	Nov 21 2016	13:38:31.9	4.15	-76.37	100	1.4	0.3	195	8	TRUJILLO (VALLE)
6390	Nov 21 2016	15:06:10.7	4.47	-75.01	17	1.5	0.1	163	7	ALVARADO (TOLIMA)
6391	Nov 21 2016	15:24:18.0	6.84	-73.16	147	1.9	0.4	166	11	LOS SANTOS (SANTANDER)
6392	Nov 21 2016	16:06:46.7	6.69	-73.20	150	1.6	0.2	199	8	VILLANUEVA (SANTANDER)
6393	Nov 21 2016	17:07:33.3	6.86	-73.17	151	3.0	0.6	62	37	ZAPATOCA (SANTANDER)
6394	Nov 21 2016	18:13:17.3	5.23	-73.76	145	1.5	0.1	250	6	CUCUNUBA (CUNDINAMARCA)
6395	Nov 21 2016	19:30:45.7	6.82	-73.17	141	1.6	0.4	145	8	ZAPATOCA (SANTANDER)
6396	Nov 21 2016	19:32:49.6	6.77	-73.12	149	1.8	0.4	162	9	LOS SANTOS (SANTANDER)
6397	Nov 21 2016	20:06:14.4	4.86	-74.78	Sup	2.2	0.5	83	29	BELTRAN (CUNDINAMARCA)
6398	Nov 21 2016	20:28:13.3	6.77	-73.12	145	2.1	0.4	159	20	LOS SANTOS (SANTANDER)
6399	Nov 21 2016	20:45:36.4	6.34	-73.57	117	1.9	0.3	149	16	SANTA HELENA DEL OPON (SANTANDER)
6400	Nov 21 2016	21:43:39.5	6.83	-73.15	142	1.4	0.3	143	9	LOS SANTOS (SANTANDER)
6401	Nov 21 2016	22:18:10.7	6.98	-74.01	19	1.8	0.4	126	12	YONDO (ANTIOQUIA)
6402	Nov 22 2016	00:11:19.5	6.61	-73.09	135	1.5	0.1	239	7	CURITI (SANTANDER)
6403	Nov 22 2016	00:45:20.7	5.12	-76.58	55	1.7	0.5	183	20	CONDOTO (CHOCO)
6404	Nov 22 2016	01:00:24.9	6.74	-73.15	148	1.2	0.3	153	9	LOS SANTOS (SANTANDER)
6405	Nov 22 2016	01:19:22.3	5.28	-78.14	40	1.9	0.2	206	24	O. PACIFICO CENTRO
6406	Nov 22 2016	02:08:26.6	1.96	-75.08	Sup	1.7	0.3	154	18	PUERTO RICO (CAQUETA)
6407	Nov 22 2016	03:06:46.6	10.89	-73.22	66	1.1	0.3	173	8	LA PAZ (CESAR)
6408	Nov 22 2016	03:28:17.7	6.82	-73.12	151	1.7	0.4	154	22	LOS SANTOS (SANTANDER)
6409	Nov 22 2016	03:35: 3.6	6.82	-73.17	145	1.9	0.3	140	21	ZAPATOCA (SANTANDER)
6410	Nov 22 2016	03:52:10.8	6.73	-73.16	147	1.5	0.2	150	9	VILLANUEVA (SANTANDER)
6411	Nov 22 2016	04:41:38.4	4.06	-76.53	66	3.2	0.5	71	0	CALIMA (VALLE)
6412	Nov 22 2016	04:41:38.4	4.06	-76.53	66	3.2	0.5	71	62	CALIMA (VALLE)
6413	Nov 22 2016	05:22:21.6	4.11	-76.58	54	2.0	0.5	116	32	CALIMA (VALLE)
6414	Nov 22 2016	05:34:10.1	2.93	-74.72	Sup	1.3	0.4	144	16	BARAYA (HUILA)
6415	Nov 22 2016	05:42:11.7	6.61	-73.28	119	0.9	0.1	227	8	GALAN (SANTANDER)
6416	Nov 22 2016	05:43:44.6	4.10	-76.61	54	1.7	0.4	116	21	CALIMA (VALLE)
6417	Nov 22 2016	05:49: 1.2	6.77	-73.16	151	0.9	0.4	146	10	LOS SANTOS (SANTANDER)
6418	Nov 22 2016	06:45:58.5	6.64	-73.11	146	0.9	0.3	198	8	VILLANUEVA (SANTANDER)
6419	Nov 22 2016	06:59:21.0	4.29	-76.81	Sup	1.2	0.4	159	8	SIPI (CHOCO)
6420	Nov 22 2016	07:35:10.1	6.86	-76.74	7	1.7	0.5	241	16	MURINDO (ANTIOQUIA)
6421	Nov 22 2016	07:38:44.5	6.77	-73.14	150	1.5	0.5	121	18	LOS SANTOS (SANTANDER)
6422	Nov 22 2016	08:00:18.7	6.87	-73.19	146	0.8	0.3	131	7	BETULIA (SANTANDER)
6423	Nov 22 2016	08:04:48.9	7.13	-76.23	Sup	1.0	0.5	239	10	DABEIBA (ANTIOQUIA)
6424	Nov 22 2016	08:38:14.1	6.80	-73.30	123	1.2	0.2	107	10	ZAPATOCA (SANTANDER)
6425	Nov 22 2016	08:46:25.3	10.81	-73.49	68	1.3	0.1	251	8	PUEBLO BELLO (CESAR)
6426	Nov 22 2016	09:17:28.0	6.70	-73.13	138	1.0	0.2	171	9	JORDAN (SANTANDER)
6427	Nov 22 2016	11:16:37.3	7.48	-73.17	132	2.2	0.5	191	19	EL PLAYON (SANTANDER)
6428	Nov 22 2016	11:22:18.7	6.81	-73.15	140	1.6	0.4	145	15	LOS SANTOS (SANTANDER)
6429	Nov 22 2016	11:23:53.4	6.79	-73.15	146	2.1	0.5	149	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6430	Nov 22 2016	12:00:29.6	9.23	-73.44	112	1.8	0.6	128	18	CURUMANI (CESAR)
6431	Nov 22 2016	12:01:51.7	6.79	-73.15	148	1.6	0.4	149	10	LOS SANTOS (SANTANDER)
6432	Nov 22 2016	14:18:10.6	5.28	-73.73	145	1.3	0.1	210	7	LENGUAZAUQUE (CUNDINAMARCA)
6433	Nov 22 2016	14:37:30.8	6.03	-73.51	Sup	1.4	0.7	157	11	SAN JOSE DE PARE (BOYACA)
6434	Nov 22 2016	14:59: 2.5	6.80	-73.15	149	1.9	0.3	147	16	LOS SANTOS (SANTANDER)
6435	Nov 22 2016	15:09:27.7	6.72	-73.20	18	1.8	0.3	130	10	VILLANUEVA (SANTANDER)
6436	Nov 22 2016	15:24: 3.1	7.44	-73.17	134	1.1	0.1	191	6	EL PLAYON (SANTANDER)
6437	Nov 22 2016	15:29:13.8	6.79	-73.11	142	1.6	0.2	160	12	LOS SANTOS (SANTANDER)
6438	Nov 22 2016	16:48:17.4	7.37	-74.53	19	1.4	0.6	162	9	SEGOVIA (ANTIOQUIA)
6439	Nov 22 2016	17:53:18.1	6.84	-73.14	156	3.2	0.6	65	42	LOS SANTOS (SANTANDER)
6440	Nov 22 2016	17:54:15.1	1.69	-78.09	53	2.0	0.2	160	10	BARBACOAS (NARINO)
6441	Nov 22 2016	18:34:29.9	4.59	-76.07	101	1.4	0.2	121	7	TORO (VALLE)
6442	Nov 22 2016	19:51:38.2	5.73	-73.93	103	1.6	0.5	161	12	TUNUNGUA (BOYACA)
6443	Nov 22 2016	20:24: 5.4	6.83	-73.16	150	1.9	0.4	143	18	LOS SANTOS (SANTANDER)
6444	Nov 22 2016	20:30:19.9	6.77	-73.11	146	2.0	0.5	97	21	LOS SANTOS (SANTANDER)
6445	Nov 22 2016	20:40:27.1	6.86	-73.17	149	1.6	0.2	149	8	ZAPATOCA (SANTANDER)
6446	Nov 22 2016	21:26:23.8	6.74	-73.09	136	2.1	0.4	163	18	LOS SANTOS (SANTANDER)
6447	Nov 22 2016	22:37:17.8	5.84	-74.80	6	1.6	0.3	166	11	PUERTO TRIUNFO (ANTIOQUIA)
6448	Nov 22 2016	23:36:19.2	2.45	-75.57	Sup	1.2	0.2	134	12	GIGANTE (HUILA)
6449	Nov 22 2016	23:58:53.0	5.89	-74.36	7	1.6	0.6	125	19	PUERTO BOYACA (BOYACA)
6450	Nov 23 2016	01:17:58.8	5.49	-74.58	Sup	1.3	0.6	183	15	PUERTO SALGAR (CUNDINAMARCA)
6451	Nov 23 2016	01:54:58.3	6.81	-73.15	150	3.2	0.6	68	0	LOS SANTOS (SANTANDER)
6452	Nov 23 2016	01:54:58.3	6.81	-73.15	150	3.2	0.6	68	63	LOS SANTOS (SANTANDER)
6453	Nov 23 2016	02:06:32.9	5.86	-74.06	107	1.3	0.5	234	10	LA BELLEZA (SANTANDER)
6454	Nov 23 2016	02:45:28.5	6.72	-73.16	147	1.2	0.3	152	10	VILLANUEVA (SANTANDER)
6455	Nov 23 2016	02:45:34.5	5.94	-75.86	84	1.7	2.5	187	12	TARSO (ANTIOQUIA)
6456	Nov 23 2016	02:45:40.6	5.65	-75.90	50	1.7	0.3	126	10	ANDES (ANTIOQUIA)
6457	Nov 23 2016	03:01:34.5	6.84	-73.25	144	1.5	0.7	117	16	ZAPATOCA (SANTANDER)
<u>6458</u>	<u>Nov 23 2016</u>	<u>04:16:44.4</u>	<u>0.93</u>	<u>-77.84</u>	<u>7</u>	<u>2.5</u>	<u>0.7</u>	<u>129</u>	<u>25</u>	<u>ZAPATOCA (SANTANDER)</u>
6459	Nov 23 2016	04:42:18.8	7.20	-75.84	22	2.4	0.5	74	27	ITUANGO (ANTIOQUIA)
6460	Nov 23 2016	04:46:13.4	7.15	-75.83	16	1.2	0.2	136	9	ITUANGO (ANTIOQUIA)
6461	Nov 23 2016	05:00:36.2	6.72	-73.13	142	1.4	0.4	165	10	JORDAN (SANTANDER)
6462	Nov 23 2016	05:06:43.3	6.75	-73.17	146	1.0	0.2	145	7	LOS SANTOS (SANTANDER)
6463	Nov 23 2016	05:07:43.2	6.81	-73.14	150	2.0	0.6	119	24	LOS SANTOS (SANTANDER)
6464	Nov 23 2016	05:44:33.4	6.75	-73.13	140	1.5	0.3	159	9	LOS SANTOS (SANTANDER)
6465	Nov 23 2016	05:45:31.5	5.41	-73.78	135	1.4	0.4	149	10	FUQUENE (CUNDINAMARCA)
6466	Nov 23 2016	05:56:22.7	4.97	-74.61	14	1.1	0.3	106	11	CHAGUANI (CUNDINAMARCA)
6467	Nov 23 2016	05:58:54.9	6.68	-73.14	146	1.0	0.2	167	7	VILLANUEVA (SANTANDER)
6468	Nov 23 2016	06:01:40.3	6.81	-73.15	153	1.6	0.6	222	12	LOS SANTOS (SANTANDER)
6469	Nov 23 2016	06:13:24.4	7.15	-75.46	10	1.1	0.2	151	8	VALDIVIA (ANTIOQUIA)
6470	Nov 23 2016	06:40: 9.7	6.85	-73.15	148	2.7	0.8	64	44	LOS SANTOS (SANTANDER)
6471	Nov 23 2016	07:16: 8.6	6.78	-73.14	152	1.8	0.6	120	22	LOS SANTOS (SANTANDER)
6472	Nov 23 2016	07:23:52.9	6.07	-73.65	125	2.1	0.6	62	32	CHIPATA (SANTANDER)
6473	Nov 23 2016	07:48:54.5	6.82	-73.17	154	2.0	0.5	116	20	LOS SANTOS (SANTANDER)
6474	Nov 23 2016	08:25: 0.5	6.78	-73.16	149	1.6	0.3	146	11	LOS SANTOS (SANTANDER)
6475	Nov 23 2016	09:16: 2.1	6.72	-73.17	145	1.4	0.3	240	8	VILLANUEVA (SANTANDER)
6476	Nov 23 2016	10:23:25.5	6.86	-76.65	9	2.2	0.4	84	30	MURINDO (ANTIOQUIA)
6477	Nov 23 2016	10:26: 5.9	6.18	-72.26	Sup	2.0	0.3	114	20	SACAMA (CASANARE)
6478	Nov 23 2016	10:53:42.9	6.71	-73.17	143	1.2	0.1	239	7	VILLANUEVA (SANTANDER)
6479	Nov 23 2016	11:13:16.7	6.75	-73.27	127	1.2	0.3	204	7	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6480	Nov 23 2016	11:40: 4.2	6.77	-73.11	146	1.5	0.4	257	13	LOS SANTOS (SANTANDER)
6481	Nov 23 2016	13:03:35.7	6.70	-73.11	139	1.6	0.2	177	10	JORDAN (SANTANDER)
6482	Nov 23 2016	14:12:41.6	6.69	-73.40	122	1.3	0.2	150	7	EL CARMEN (SANTANDER)
6483	Nov 23 2016	14:45:13.3	7.04	-73.14	122	1.0	0.4	139	7	GIRON (SANTANDER)
6484	Nov 23 2016	15:09: 0.5	6.79	-73.14	147	2.6	0.4	120	30	LOS SANTOS (SANTANDER)
6485	Nov 23 2016	15:29: 9.9	5.68	-73.40	Sup	1.4	0.3	242	9	ARCABUCO (BOYACA)
6486	Nov 23 2016	15:31:34.5	6.63	-73.12	133	1.2	0.3	199	7	VILLANUEVA (SANTANDER)
6487	Nov 23 2016	17:29:44.6	3.65	-74.39	Sup	1.5	0.3	226	13	CABRERA (CUNDINAMARCA)
6488	Nov 23 2016	18:34:30.2	6.86	-73.14	154	2.1	0.4	146	21	LOS SANTOS (SANTANDER)
6489	Nov 23 2016	18:53:42.5	3.42	-74.64	Sup	2.4	0.4	110	27	COLOMBIA (HUILA)
6490	Nov 23 2016	19:29:58.8	6.76	-73.10	148	1.6	0.2	169	14	LOS SANTOS (SANTANDER)
6491	Nov 23 2016	20:03:36.3	6.79	-73.11	139	2.2	0.4	99	25	LOS SANTOS (SANTANDER)
6492	Nov 23 2016	20:48:59.4	4.86	-76.20	109	2.2	0.4	72	27	EL CAIRO (VALLE)
6493	Nov 23 2016	21:03: 6.9	5.13	-75.84	110	1.2	0.4	135	8	SAN JOSE (CALDAS)
6494	Nov 23 2016	22:27: 4.6	6.81	-73.07	158	2.0	0.4	124	17	LOS SANTOS (SANTANDER)
6495	Nov 23 2016	23:06:47.8	6.77	-73.14	147	2.2	0.5	98	26	LOS SANTOS (SANTANDER)
6496	Nov 23 2016	23:09: 3.0	10.12	-73.63	81	1.8	0.3	138	11	BOSCONIA (CESAR)
6497	Nov 23 2016	23:29:47.6	4.85	-74.58	69	1.4	0.2	127	9	VIANI (CUNDINAMARCA)
6498	Nov 23 2016	23:58:52.5	6.81	-73.12	146	1.5	0.3	155	13	LOS SANTOS (SANTANDER)
6499	Nov 24 2016	00:00: 9.4	3.03	-75.07	10	1.4	0.7	186	17	TELLO (HUILA)
6500	Nov 24 2016	00:06: 8.5	6.65	-73.55	112	1.2	0.4	163	8	EL CARMEN (SANTANDER)
6501	Nov 24 2016	00:10:12.3	10.84	-74.01	Sup	1.5	0.5	196	10	PUEBLO BELLO (CESAR)
6502	Nov 24 2016	00:39:28.3	7.23	-76.43	6	1.8	0.5	257	10	MUTATA (ANTIOQUIA)
6503	Nov 24 2016	00:50:13.7	6.69	-73.15	142	1.4	0.5	159	10	VILLANUEVA (SANTANDER)
6504	Nov 24 2016	01:20:34.7	7.20	-76.33	17	1.2	0.5	249	8	MUTATA (ANTIOQUIA)
6505	Nov 24 2016	02:10:33.7	7.13	-73.40	17	1.8	0.5	147	11	LEBRIJA (SANTANDER)
6506	Nov 24 2016	02:11:34.8	6.74	-73.13	148	1.9	0.6	161	14	LOS SANTOS (SANTANDER)
6507	Nov 24 2016	02:11:34.8	6.74	-73.13	148	1.9	0.6	161	14	LOS SANTOS (SANTANDER)
6508	Nov 24 2016	02:43:12.3	6.85	-73.15	148	1.8	0.6	143	19	LOS SANTOS (SANTANDER)
6509	Nov 24 2016	02:46:48.8	6.80	-73.17	145	1.9	0.5	141	21	LOS SANTOS (SANTANDER)
6510	Nov 24 2016	03:00:26.8	5.58	-75.63	89	1.2	0.5	105	10	VALPARAISO (ANTIOQUIA)
6511	Nov 24 2016	03:05:37.1	4.74	-76.21	106	1.3	0.3	148	10	EL CAIRO (VALLE)
6512	Nov 24 2016	03:27:43.8	6.02	-73.43	145	2.4	0.6	69	35	CHITARAQUE (BOYACA)
6513	Nov 24 2016	03:55:23.0	6.67	-73.35	125	1.5	0.5	148	10	GALAN (SANTANDER)
6514	Nov 24 2016	03:59:42.6	6.72	-73.13	149	1.3	0.2	165	8	JORDAN (SANTANDER)
6515	Nov 24 2016	04:32:17.0	6.77	-73.14	148	1.2	0.3	153	8	LOS SANTOS (SANTANDER)
6516	Nov 24 2016	05:21:18.8	6.74	-73.10	146	1.0	0.2	170	7	LOS SANTOS (SANTANDER)
6517	Nov 24 2016	05:59:21.2	6.67	-73.14	151	1.3	0.4	175	10	VILLANUEVA (SANTANDER)
6518	Nov 24 2016	06:03:12.4	6.73	-73.14	142	1.7	0.5	122	17	JORDAN (SANTANDER)
6519	Nov 24 2016	06:32:56.7	2.00	-75.10	11	1.1	0.3	225	10	PUERTO RICO (CAQUETA)
6520	Nov 24 2016	06:55:32.1	4.87	-74.86	20	1.1	0.4	87	11	LERIDA (TOLIMA)
6521	Nov 24 2016	07:00:21.7	6.68	-73.12	148	1.0	0.3	176	7	VILLANUEVA (SANTANDER)
6522	Nov 24 2016	07:14:42.2	6.72	-73.11	139	1.1	0.3	176	8	JORDAN (SANTANDER)
6523	Nov 24 2016	07:41:25.8	7.89	-76.09	18	1.6	0.2	286	8	TIERRALTA (CORDOBA)
6524	Nov 24 2016	08:21: 1.0	6.77	-73.16	152	1.2	0.4	148	8	LOS SANTOS (SANTANDER)
6525	Nov 24 2016	08:37:30.6	7.46	-73.19	135	4.0	0.7	88	0	EL PLAYON (SANTANDER)
6526	Nov 24 2016	08:37:30.6	7.46	-73.19	135	4.0	0.7	88	72	EL PLAYON (SANTANDER)
6527	Nov 24 2016	08:45: 7.6	6.79	-73.16	147	2.3	0.5	164	18	LOS SANTOS (SANTANDER)
6528	Nov 24 2016	08:45: 7.3	10.21	-73.20	102	1.9	0.1	148	8	SAN DIEGO (CESAR)
6529	Nov 24 2016	09:52:57.3	6.78	-73.14	150	1.6	0.4	152	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6530	Nov 24 2016	10:06:55.1	9.10	-75.08	9	1.5	0.1	155	9	GALERAS (SUCRE)
6531	Nov 24 2016	10:11:16.5	6.84	-73.24	141	1.4	0.3	119	12	ZAPATOCA (SANTANDER)
6532	Nov 24 2016	11:58:25.8	7.24	-76.36	Sup	2.0	0.3	152	19	MUTATA (ANTIOQUIA)
6533	Nov 24 2016	12:18:48.4	6.82	-73.15	129	1.2	0.2	255	8	LOS SANTOS (SANTANDER)
6534	Nov 24 2016	12:37:19.2	6.71	-73.15	141	1.4	0.3	154	9	VILLANUEVA (SANTANDER)
6535	Nov 24 2016	12:56:23.2	6.83	-73.14	148	3.2	0.5	82	0	LOS SANTOS (SANTANDER)
6536	Nov 24 2016	12:56:23.2	6.83	-73.14	148	3.2	0.5	82	50	LOS SANTOS (SANTANDER)
6537	Nov 24 2016	13:40:14.7	6.76	-73.15	148	1.9	0.4	151	16	LOS SANTOS (SANTANDER)
6538	Nov 24 2016	13:56:59.9	6.24	-73.93	95	1.3	0.4	168	10	CIMITARRA (SANTANDER)
6539	Nov 24 2016	14:38:12.3	7.75	-72.35	127	1.4	0.4	331	8	LA FRONTERA CON VENEZUELA
6540	Nov 24 2016	15:07: 6.1	6.73	-73.13	143	1.5	0.4	164	12	LOS SANTOS (SANTANDER)
6541	Nov 24 2016	15:17:18.4	6.81	-73.18	142	1.8	0.3	135	13	ZAPATOCA (SANTANDER)
6542	Nov 24 2016	16:10: 7.3	5.22	-73.71	143	1.8	0.3	97	20	CUCUNUBA (CUNDINAMARCA)
6543	Nov 24 2016	16:34: 4.1	6.80	-73.14	148	1.7	0.2	150	14	LOS SANTOS (SANTANDER)
6544	Nov 24 2016	16:43:10.1	6.91	-73.18	150	2.0	0.5	131	17	BETULIA (SANTANDER)
6545	Nov 24 2016	16:53:26.0	10.12	-74.04	8	0.9	0.3	165	8	ALGARROBO (MAGDALENA)
6546	Nov 24 2016	16:57:54.1	7.31	-73.44	104	1.8	0.2	171	14	SABANA DE TORRES (SANTANDER)
6547	Nov 24 2016	17:21:22.9	6.79	-73.18	128	1.6	0.3	137	12	ZAPATOCA (SANTANDER)
6548	Nov 24 2016	17:33:24.3	6.83	-73.14	150	1.9	0.4	148	16	LOS SANTOS (SANTANDER)
6549	Nov 24 2016	17:57:53.6	5.68	-73.99	130	1.2	0.1	155	9	PAUNA (BOYACA)
6550	Nov 24 2016	18:24:59.5	6.77	-73.14	141	1.8	0.3	153	16	LOS SANTOS (SANTANDER)
6551	Nov 24 2016	19:47: 7.3	9.70	-72.92	Sup	1.9	0.5	150	11	LA FRONTERA CON VENEZUELA
6552	Nov 24 2016	20:29:27.4	5.85	-74.00	113	1.7	0.2	155	15	LA BELLEZA (SANTANDER)
6553	Nov 24 2016	21:02: 6.3	6.78	-73.14	139	1.6	0.1	155	9	LOS SANTOS (SANTANDER)
6554	Nov 24 2016	21:08:49.0	5.92	-74.79	Sup	0.9	0.4	162	10	PUERTO TRIUNFO (ANTIOQUIA)
6555	Nov 24 2016	21:45:12.6	6.74	-73.10	145	2.0	0.3	174	11	JORDAN (SANTANDER)
6556	Nov 24 2016	22:03:37.2	6.85	-73.29	121	3.2	0.4	55	59	BETULIA (SANTANDER)
6557	Nov 25 2016	00:02:22.2	9.77	-74.31	28	1.7	0.3	120	14	NUEVA GRANADA (MAGDALENA)
6558	Nov 25 2016	00:05:32.2	10.58	-73.52	12	1.4	0.3	166	10	PUEBLO BELLO (CESAR)
6559	Nov 25 2016	00:23:44.7	1.94	-75.95	16	1.4	0.3	211	10	TIMANA (HUILA)
6560	Nov 25 2016	00:51:29.9	7.10	-76.16	Sup	1.2	0.3	199	8	DABEIBA (ANTIOQUIA)
6561	Nov 25 2016	00:52:19.3	6.81	-73.13	147	1.6	0.2	152	17	LOS SANTOS (SANTANDER)
6562	Nov 25 2016	01:07:41.9	6.77	-73.09	150	1.8	0.4	125	25	LOS SANTOS (SANTANDER)
6563	Nov 25 2016	01:12:18.5	6.78	-73.10	150	1.8	0.4	98	26	LOS SANTOS (SANTANDER)
6564	Nov 25 2016	01:36:19.4	6.79	-73.17	147	1.3	0.2	140	13	LOS SANTOS (SANTANDER)
6565	Nov 25 2016	02:16:36.8	6.82	-73.14	146	1.7	0.2	150	20	LOS SANTOS (SANTANDER)
6566	Nov 25 2016	02:41: 9.7	6.77	-73.11	141	1.7	0.3	164	18	LOS SANTOS (SANTANDER)
6567	Nov 25 2016	02:55:43.6	6.42	-73.07	83	0.9	0.2	252	8	VALLE DE SAN JOSE (SANTANDER)
6568	Nov 25 2016	02:59:41.6	9.77	-74.33	25	1.3	0.2	129	10	NUEVA GRANADA (MAGDALENA)
6569	Nov 25 2016	03:33:23.5	6.77	-73.15	145	1.5	0.3	150	14	LOS SANTOS (SANTANDER)
6570	Nov 25 2016	03:37:48.7	7.23	-76.28	Sup	1.1	0.3	247	10	MUTATA (ANTIOQUIA)
6571	Nov 25 2016	03:56: 8.2	3.39	-79.05	18	1.1	0.1	332	8	O. PACIFICO SUR
6572	Nov 25 2016	03:59: 1.7	6.87	-73.12	149	2.7	0.5	72	46	LOS SANTOS (SANTANDER)
6573	Nov 25 2016	04:08:48.7	6.71	-73.44	115	1.4	0.3	148	8	EL CARMEN (SANTANDER)
6574	Nov 25 2016	04:22:36.0	6.72	-73.18	149	1.0	0.2	234	7	VILLANUEVA (SANTANDER)
6575	Nov 25 2016	04:45: 3.1	6.86	-73.13	147	1.8	0.4	148	23	LOS SANTOS (SANTANDER)
6576	Nov 25 2016	05:49:56.6	6.56	-73.23	142	1.0	0.3	209	9	CABRERA (SANTANDER)
6577	Nov 25 2016	05:58:19.8	6.11	-73.70	113	1.2	0.1	252	8	CHIPATA (SANTANDER)
6578	Nov 25 2016	06:16: 8.0	2.95	-75.96	7	1.3	0.1	221	7	TORIBIO (CAUCA)
6579	Nov 25 2016	06:32:41.4	6.76	-73.10	141	1.6	0.3	161	19	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6580	Nov 25 2016	06:35:11.6	6.78	-73.09	145	1.1	0.3	169	10	LOS SANTOS (SANTANDER)
6581	Nov 25 2016	06:50:13.1	6.80	-73.14	144	2.1	0.4	119	34	LOS SANTOS (SANTANDER)
6582	Nov 25 2016	07:38: 4.1	6.81	-73.13	142	1.0	0.3	152	10	LOS SANTOS (SANTANDER)
6583	Nov 25 2016	07:43:19.4	6.76	-73.11	147	1.6	0.3	123	16	LOS SANTOS (SANTANDER)
6584	Nov 25 2016	07:55:43.1	7.19	-75.45	22	0.9	0.2	192	7	VALDIVIA (ANTIOQUIA)
6585	Nov 25 2016	08:03:25.3	6.77	-73.15	147	1.5	0.2	151	14	LOS SANTOS (SANTANDER)
6586	Nov 25 2016	08:26: 5.5	6.55	-73.39	115	1.5	0.2	109	15	HATO (SANTANDER)
6587	Nov 25 2016	09:25:29.4	8.03	-74.42	10	1.9	0.4	134	21	MONTECRISTO (BOLIVAR)
6588	Nov 25 2016	09:41:36.1	8.63	-73.65	86	1.3	0.1	125	14	PELAYA (CESAR)
6589	Nov 25 2016	09:55:54.6	6.80	-73.16	150	1.7	0.4	145	18	LOS SANTOS (SANTANDER)
6590	Nov 25 2016	10:07:53.8	1.99	-74.45	Sup	2.3	0.6	265	22	SAN VICENTE DEL CAGUAN (CAQUETA)
6591	Nov 25 2016	10:11:22.8	7.13	-76.33	Sup	1.2	0.7	246	8	DABEIBA (ANTIOQUIA)
6592	Nov 25 2016	10:16:30.2	2.04	-74.47	Sup	1.8	0.6	263	13	SAN VICENTE DEL CAGUAN (CAQUETA)
6593	Nov 25 2016	10:29:32.8	6.17	-73.82	104	1.9	0.6	120	18	LANDAZURI (SANTANDER)
6594	Nov 25 2016	11:16:52.4	7.75	-73.34	119	1.7	0.3	222	10	SAN ALBERTO (CESAR)
6595	Nov 25 2016	12:03:54.3	4.76	-74.77	Sup	2.1	0.7	71	29	AMBALEMA (TOLIMA)
6596	Nov 25 2016	15:29:18.1	2.98	-78.53	18	2.2	0.5	299	12	O. PACIFICO SUR
6597	Nov 25 2016	16:54:51.2	6.69	-73.17	146	1.6	0.2	150	7	VILLANUEVA (SANTANDER)
6598	Nov 25 2016	17:32:54.1	4.77	-74.80	Sup	1.4	0.5	102	10	AMBALEMA (TOLIMA)
6599	Nov 25 2016	17:39:28.8	6.75	-73.13	143	1.7	0.3	160	9	LOS SANTOS (SANTANDER)
6600	Nov 25 2016	17:41:59.6	6.80	-73.14	145	1.9	0.5	150	16	LOS SANTOS (SANTANDER)
6601	Nov 25 2016	18:03: 1.0	4.76	-74.79	Sup	1.4	0.4	197	7	AMBALEMA (TOLIMA)
6602	Nov 25 2016	19:21:17.2	9.45	-73.60	113	3.8	0.6	99	0	CHIRIGUANA (CESAR)
<u>6603</u>	<u>Nov 25 2016</u>	<u>19:21:17.2</u>	<u>9.45</u>	<u>-73.60</u>	<u>113</u>	<u>3.8</u>	<u>0.6</u>	<u>99</u>	<u>56</u>	<u>CHIRIGUANA (CESAR)</u>
<u>6604</u>	<u>Nov 25 2016</u>	<u>19:26:39.2</u>	<u>4.54</u>	<u>-76.26</u>	<u>126</u>	<u>1.7</u>	<u>0.3</u>	<u>168</u>	<u>8</u>	<u>EL DOVIO (VALLE)</u>
6605	Nov 25 2016	19:43:13.3	9.69	-72.84	144	2.8	0.7	154	25	LA FRONTERA CON VENEZUELA
6606	Nov 25 2016	20:07:37.3	6.78	-73.14	145	1.8	0.4	153	12	LOS SANTOS (SANTANDER)
6607	Nov 25 2016	20:54:28.3	6.79	-73.15	144	2.4	0.4	100	27	LOS SANTOS (SANTANDER)
6608	Nov 25 2016	21:52: 4.7	7.17	-76.19	Sup	2.5	0.5	224	22	DABEIBA (ANTIOQUIA)
6609	Nov 25 2016	22:03:53.5	6.81	-73.15	147	3.0	0.5	81	0	LOS SANTOS (SANTANDER)
6610	Nov 25 2016	22:03:53.5	6.81	-73.15	147	3.0	0.5	81	42	LOS SANTOS (SANTANDER)
6611	Nov 25 2016	23:23:10.4	6.80	-73.14	146	2.2	0.5	101	26	LOS SANTOS (SANTANDER)
6612	Nov 25 2016	23:35:36.5	6.83	-73.13	145	2.1	0.3	106	20	LOS SANTOS (SANTANDER)
6613	Nov 25 2016	23:36:38.6	5.15	-74.83	Sup	1.8	0.4	186	10	MARIQUITA (TOLIMA)
6614	Nov 26 2016	00:19:58.6	6.83	-73.15	142	1.9	0.4	144	14	LOS SANTOS (SANTANDER)
6615	Nov 26 2016	01:04: 1.2	6.77	-73.15	151	1.6	0.3	151	12	LOS SANTOS (SANTANDER)
6616	Nov 26 2016	02:37:24.2	6.77	-73.13	152	1.9	0.6	71	22	LOS SANTOS (SANTANDER)
6617	Nov 26 2016	03:19:57.5	4.33	-75.38	Sup	1.6	0.5	119	14	CAJAMARCA (TOLIMA)
6618	Nov 26 2016	04:02:27.0	6.70	-73.16	150	1.3	0.2	151	7	VILLANUEVA (SANTANDER)
6619	Nov 26 2016	04:37:57.3	6.74	-73.14	147	1.4	0.3	158	10	LOS SANTOS (SANTANDER)
6620	Nov 26 2016	04:49:58.3	4.36	-76.75	8	1.6	0.4	162	8	SIPI (CHOCO)
6621	Nov 26 2016	06:31:32.8	6.72	-73.13	148	1.2	0.3	164	9	JORDAN (SANTANDER)
6622	Nov 26 2016	06:33:37.8	6.73	-73.17	150	1.2	0.4	145	8	VILLANUEVA (SANTANDER)
6623	Nov 26 2016	06:39:16.6	11.27	-74.51	21	2.1	0.4	234	14	EL MAR CARIBE
6624	Nov 26 2016	06:51:18.9	7.93	-72.80	Sup	1.5	0.5	272	10	LOURDES (N.SANTANDER)
6625	Nov 26 2016	06:55: 3.8	6.68	-73.12	143	1.0	0.2	181	8	VILLANUEVA (SANTANDER)
6626	Nov 26 2016	07:01: 9.2	6.72	-73.12	144	1.1	0.4	171	10	JORDAN (SANTANDER)
6627	Nov 26 2016	07:18:11.8	5.89	-73.70	112	1.0	0.1	274	7	PUENTE NACIONAL (SANTANDER)
6628	Nov 26 2016	07:23:33.3	6.81	-73.34	127	1.0	0.5	113	8	ZAPATOCA (SANTANDER)
6629	Nov 26 2016	07:31: 2.7	2.62	-75.15	13	1.3	0.2	192	9	CAMPOALEGRE (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
6630	Nov 26 2016	07:37:16.8	6.07	-73.61	127	1.1	0.4	259	8	CHIPATA (SANTANDER)
6631	Nov 26 2016	07:38:18.0	6.74	-73.75	95	0.9	0.3	149	8	EL CARMEN (SANTANDER)
6632	Nov 26 2016	07:47:46.4	6.82	-73.17	145	2.2	0.5	75	29	LOS SANTOS (SANTANDER)
6633	Nov 26 2016	08:07:58.0	6.79	-73.16	146	1.8	0.4	145	14	LOS SANTOS (SANTANDER)
6634	Nov 26 2016	08:19:45.8	6.72	-73.13	145	1.6	0.4	166	9	JORDAN (SANTANDER)
6635	Nov 26 2016	08:24:49.5	6.82	-73.16	153	3.3	0.7	64	0	LOS SANTOS (SANTANDER)
6636	Nov 26 2016	08:24:49.5	6.82	-73.16	153	3.3	0.7	64	63	LOS SANTOS (SANTANDER)
6637	Nov 26 2016	08:33:22.5	2.42	-75.34	24	0.8	0.4	180	8	ALGECIRAS (HUILA)
6638	Nov 26 2016	08:39:41.4	6.80	-73.17	149	2.3	0.5	63	30	LOS SANTOS (SANTANDER)
6639	Nov 26 2016	08:58:52.2	6.78	-73.14	144	1.9	0.5	153	19	LOS SANTOS (SANTANDER)
6640	Nov 26 2016	09:09:32.7	5.23	-72.92	Sup	1.4	0.4	154	8	CHAMEZA (CASANARE)
6641	Nov 26 2016	09:11:43.3	3.05	-74.89	Sup	1.9	0.5	171	23	BARAYA (HUILA)
6642	Nov 26 2016	09:19:11.7	2.96	-74.88	Sup	1.5	0.5	209	14	BARAYA (HUILA)
6643	Nov 26 2016	09:26:54.3	6.75	-73.15	141	1.6	0.4	153	11	LOS SANTOS (SANTANDER)
6644	Nov 26 2016	09:27:58.7	6.79	-73.15	148	1.2	0.1	149	7	LOS SANTOS (SANTANDER)
6645	Nov 26 2016	09:40:44.3	6.83	-73.31	118	1.9	0.6	106	19	ZAPATOCA (SANTANDER)
6646	Nov 26 2016	09:54:44.2	6.87	-73.15	154	2.7	0.6	64	41	LOS SANTOS (SANTANDER)
6647	Nov 26 2016	10:41:14.7	5.25	-72.91	10	2.0	0.5	137	14	CHAMEZA (CASANARE)
6648	Nov 26 2016	10:55: 6.4	6.72	-73.13	142	1.8	0.3	165	11	JORDAN (SANTANDER)
6649	Nov 26 2016	11:02: 6.3	6.85	-73.22	139	1.3	0.3	125	7	ZAPATOCA (SANTANDER)
6650	Nov 26 2016	12:55:58.7	5.24	-75.88	110	1.9	0.3	119	12	BELEN DE UMBRIA (RISARALDA)
6651	Nov 26 2016	13:11:55.2	6.83	-73.17	148	3.2	0.6	63	47	ZAPATOCA (SANTANDER)
6652	Nov 26 2016	14:14:49.5	6.78	-73.17	146	2.5	0.3	143	13	LOS SANTOS (SANTANDER)
6653	Nov 26 2016	15:50:43.5	3.18	-74.81	Sup	2.1	0.4	215	18	COLOMBIA (HUILA)
6654	Nov 26 2016	16:48:34.1	6.74	-73.57	109	1.7	0.3	116	12	EL CARMEN (SANTANDER)
6655	Nov 26 2016	16:49:14.4	2.62	-75.14	Sup	2.2	0.3	193	20	CAMPOALEGRE (HUILA)
6656	Nov 26 2016	19:32:40.3	5.56	-74.07	100	4.1	0.7	91	0	MUZO (BOYACA)
6657	Nov 26 2016	19:32:40.3	5.56	-74.07	100	4.1	0.7	91	71	MUZO (BOYACA)
6658	Nov 26 2016	22:13:57.0	6.80	-73.15	151	1.7	0.4	146	11	LOS SANTOS (SANTANDER)
6659	Nov 26 2016	22:43:19.6	6.78	-73.15	144	1.9	0.4	147	14	LOS SANTOS (SANTANDER)
6660	Nov 26 2016	22:56: 6.7	6.80	-73.10	155	2.3	0.4	193	20	LOS SANTOS (SANTANDER)
6661	Nov 27 2016	00:35:34.4	6.78	-73.15	141	2.2	0.5	85	25	LOS SANTOS (SANTANDER)
6662	Nov 27 2016	01:09:20.7	6.78	-73.14	146	2.1	0.6	120	20	LOS SANTOS (SANTANDER)
6663	Nov 27 2016	01:22: 9.6	6.46	-73.76	89	1.4	0.5	198	10	SANTA HELENA DEL OPON (SANTANDER)
6664	Nov 27 2016	02:13: 4.9	10.03	-73.14	120	1.3	0.2	168	8	AGUSTIN CODAZZI (CESAR)
6665	Nov 27 2016	02:49:25.7	6.81	-73.15	142	2.2	0.6	81	29	LOS SANTOS (SANTANDER)
6666	Nov 27 2016	02:51:44.9	6.28	-73.65	110	1.4	0.3	230	7	SANTA HELENA DEL OPON (SANTANDER)
6667	Nov 27 2016	03:47:25.8	6.81	-73.17	143	1.5	0.3	139	10	ZAPATOCA (SANTANDER)
6668	Nov 27 2016	04:13: 4.2	10.68	-72.86	47	2.2	0.6	153	17	MANAURE BALCON CESAR (CESAR)
6669	Nov 27 2016	05:37: 6.1	5.81	-73.89	106	1.1	0.4	213	10	ALBANIA (SANTANDER)
6670	Nov 27 2016	05:58: 2.8	6.71	-73.36	114	1.0	0.3	166	7	GALAN (SANTANDER)
6671	Nov 27 2016	06:39: 9.1	6.75	-73.10	144	1.4	0.3	171	10	LOS SANTOS (SANTANDER)
6672	Nov 27 2016	07:21:36.5	2.04	-76.72	6	0.7	0.1	154	8	LA VEGA (CAUCA)
6673	Nov 27 2016	07:21:41.5	6.75	-73.36	122	1.1	0.3	176	7	ZAPATOCA (SANTANDER)
6674	Nov 27 2016	07:34:52.2	2.45	-78.00	23	1.3	0.3	192	9	SANTA BARBARA (NARINO)
6675	Nov 27 2016	07:56:24.2	6.61	-73.16	139	1.4	0.3	270	8	VILLANUEVA (SANTANDER)
6676	Nov 27 2016	08:19: 0.3	6.77	-73.22	142	1.3	0.3	126	12	ZAPATOCA (SANTANDER)
6677	Nov 27 2016	08:25:46.7	6.76	-73.18	142	1.4	0.3	139	12	LOS SANTOS (SANTANDER)
6678	Nov 27 2016	09:01:24.6	6.79	-73.14	139	2.2	0.4	151	20	LOS SANTOS (SANTANDER)
6679	Nov 27 2016	09:18:57.2	6.78	-73.15	144	0.9	0.2	220	8	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6680	Nov 27 2016	09:31: 7.2	6.65	-73.11	134	1.4	0.2	234	8	VILLANUEVA (SANTANDER)
6681	Nov 27 2016	09:50:57.2	6.76	-73.15	139	1.6	0.3	152	13	LOS SANTOS (SANTANDER)
6682	Nov 27 2016	09:52:27.7	6.75	-73.15	144	1.9	0.3	151	17	LOS SANTOS (SANTANDER)
6683	Nov 27 2016	10:12:39.0	5.91	-73.60	130	1.5	0.5	154	13	BARBOSA (SANTANDER)
6684	Nov 27 2016	11:06: 2.7	6.59	-72.06	67	1.9	0.4	160	14	FORTUL (ARAUCA)
6685	Nov 27 2016	11:33: 0.3	6.77	-73.13	145	2.1	0.5	98	23	LOS SANTOS (SANTANDER)
6686	Nov 27 2016	11:47: 0.2	6.65	-74.40	31	1.3	0.3	124	10	PUERTO BERRIO (ANTIOQUIA)
6687	Nov 27 2016	16:16:49.6	7.06	-73.80	26	1.0	0.4	195	8	BARRANCABERMEJA (SANTANDER)
6688	Nov 27 2016	16:45: 8.4	7.80	-73.27	127	1.8	0.4	171	9	SAN ALBERTO (CESAR)
6689	Nov 27 2016	16:48:19.1	6.76	-73.13	139	2.2	0.5	96	21	LOS SANTOS (SANTANDER)
6690	Nov 27 2016	17:27:30.7	3.61	-74.17	Sup	2.7	0.5	93	39	LEJANIAS (META)
6691	Nov 27 2016	17:44:53.3	6.53	-73.49	102	1.5	0.2	191	10	EL CARMEN (SANTANDER)
6692	Nov 27 2016	18:38:34.6	1.93	-75.95	25	1.5	0.3	173	10	TIMANA (HUILA)
6693	Nov 27 2016	19:09:26.7	5.49	-73.94	118	1.9	0.4	132	16	BUENAVISTA (BOYACA)
6694	Nov 27 2016	20:02:44.6	6.73	-73.12	145	1.5	0.2	166	10	JORDAN (SANTANDER)
6695	Nov 27 2016	20:36:40.1	6.84	-73.32	116	2.2	0.5	108	20	ZAPATOCA (SANTANDER)
6696	Nov 27 2016	21:44:50.6	4.57	-76.66	Sup	1.5	0.4	179	12	SIPI (CHOCO)
6697	Nov 27 2016	21:46:11.1	6.79	-73.16	149	1.6	0.5	144	10	LOS SANTOS (SANTANDER)
6698	Nov 27 2016	21:52:42.1	6.86	-73.14	149	2.8	0.6	80	40	LOS SANTOS (SANTANDER)
6699	Nov 27 2016	22:39:58.1	6.68	-73.13	143	1.5	0.4	173	9	VILLANUEVA (SANTANDER)
6700	Nov 27 2016	23:55: 2.2	6.72	-73.14	145	1.8	0.3	159	10	JORDAN (SANTANDER)
6701	Nov 28 2016	00:21:28.6	6.75	-73.15	146	1.4	0.2	152	9	LOS SANTOS (SANTANDER)
6702	Nov 28 2016	00:29:44.7	6.72	-73.11	143	1.3	0.4	173	9	JORDAN (SANTANDER)
6703	Nov 28 2016	02:41: 4.1	3.93	-76.03	Sup	1.6	0.2	181	6	SAN PEDRO (VALLE)
6704	Nov 28 2016	02:42:39.9	6.77	-73.21	158	1.4	0.2	127	6	ZAPATOCA (SANTANDER)
6705	Nov 28 2016	02:45: 6.7	6.75	-71.91	6	1.8	0.7	212	12	FORTUL (ARAUCA)
6706	Nov 28 2016	02:48:27.1	5.86	-76.47	23	1.4	0.3	210	7	QUIBDO (CHOCO)
6707	Nov 28 2016	03:15:32.0	5.39	-75.65	Sup	1.1	0.3	91	9	RIOSUCIO (CALDAS)
6708	Nov 28 2016	03:28:19.5	6.71	-73.17	149	1.5	0.2	147	8	VILLANUEVA (SANTANDER)
6709	Nov 28 2016	04:07:16.2	6.75	-73.15	143	1.4	0.1	154	6	LOS SANTOS (SANTANDER)
6710	Nov 28 2016	04:23:51.2	6.81	-73.14	150	1.9	0.7	149	17	LOS SANTOS (SANTANDER)
6711	Nov 28 2016	04:29:35.2	5.26	-73.76	145	2.1	0.4	150	22	CUCUNUBA (CUNDINAMARCA)
6712	Nov 28 2016	04:36:38.2	2.47	-75.48	23	1.2	0.4	156	10	GIGANTE (HUILA)
6713	Nov 28 2016	04:40: 0.4	8.20	-73.51	108	1.0	0.2	127	11	AGUACHICA (CESAR)
6714	Nov 28 2016	05:21:55.0	6.76	-73.14	149	1.8	0.4	121	16	LOS SANTOS (SANTANDER)
6715	Nov 28 2016	05:43:17.7	2.30	-75.68	Sup	0.6	0.2	106	7	AGRADO (HUILA)
6716	Nov 28 2016	06:26:42.1	6.68	-73.15	147	1.3	0.2	165	7	VILLANUEVA (SANTANDER)
6717	Nov 28 2016	06:49:50.6	9.55	-73.96	87	1.3	0.5	128	10	ASTREA (CESAR)
6718	Nov 28 2016	07:17: 3.7	6.77	-73.12	152	0.9	0.3	159	8	LOS SANTOS (SANTANDER)
6719	Nov 28 2016	08:35:24.1	7.19	-76.24	Sup	1.2	0.5	268	8	DABEIBA (ANTIOQUIA)
6720	Nov 28 2016	08:45:16.0	6.75	-73.11	140	2.1	0.4	161	24	LOS SANTOS (SANTANDER)
6721	Nov 28 2016	09:47: 7.7	6.73	-73.16	143	1.3	0.3	152	8	LOS SANTOS (SANTANDER)
6722	Nov 28 2016	11:38:18.1	6.78	-73.15	149	1.3	0.2	249	8	LOS SANTOS (SANTANDER)
6723	Nov 28 2016	13:05:32.5	5.57	-77.89	12	2.2	0.4	237	18	O. PACIFICO NORTE
6724	Nov 28 2016	13:33:39.1	6.79	-73.16	147	2.1	0.4	145	18	LOS SANTOS (SANTANDER)
6725	Nov 28 2016	14:11:54.0	7.95	-72.94	112	2.1	0.4	191	12	VILLA CARO (N.SANTANDER)
6726	Nov 28 2016	15:04:51.3	3.02	-75.10	Sup	2.1	0.5	100	30	TELLO (HUILA)
6727	Nov 28 2016	15:42:22.6	6.80	-73.14	146	2.1	0.4	149	22	LOS SANTOS (SANTANDER)
6728	Nov 28 2016	15:51:32.7	6.78	-73.13	144	2.0	0.4	155	22	LOS SANTOS (SANTANDER)
6729	Nov 28 2016	15:54: 1.2	6.79	-73.16	136	1.6	0.5	143	12	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6730	Nov 28 2016	16:00:23.1	8.18	-72.24	Sup	1.7	0.3	292	9	LA FRONTERA CON VENEZUELA
6731	Nov 28 2016	16:07:32.4	8.03	-72.77	7	2.4	0.4	225	20	SARDINATA (N.SANTANDER)
6732	Nov 28 2016	17:25:32.6	6.79	-73.16	146	3.6	0.5	65	69	LOS SANTOS (SANTANDER)
6733	Nov 28 2016	17:31:35.7	6.81	-73.16	145	2.9	0.4	78	39	LOS SANTOS (SANTANDER)
6734	Nov 28 2016	18:49:11.9	6.81	-73.15	145	3.4	0.5	68	68	LOS SANTOS (SANTANDER)
6735	Nov 28 2016	19:50:50.7	6.77	-73.11	141	1.6	0.3	165	7	LOS SANTOS (SANTANDER)
6736	Nov 28 2016	20:38:30.0	9.78	-74.41	50	2.1	0.3	89	21	NUEVA GRANADA (MAGDALENA)
6737	Nov 28 2016	21:12:25.8	6.84	-73.12	148	2.3	0.4	86	33	LOS SANTOS (SANTANDER)
6738	Nov 28 2016	21:20:19.1	5.27	-73.72	140	2.6	0.4	98	38	LENGUAZQUE (CUNDINAMARCA)
6739	Nov 28 2016	21:58:43.0	6.73	-73.11	142	1.3	0.2	170	10	JORDAN (SANTANDER)
6740	Nov 28 2016	22:56:19.7	6.76	-73.13	142	1.7	0.4	158	14	LOS SANTOS (SANTANDER)
6741	Nov 28 2016	23:01:40.5	6.70	-73.18	144	1.4	0.2	230	8	VILLANUEVA (SANTANDER)
6742	Nov 28 2016	23:49:28.9	6.78	-73.18	141	1.3	0.2	239	8	LOS SANTOS (SANTANDER)
6743	Nov 28 2016	23:55:41.6	6.74	-73.12	140	1.3	0.3	166	7	LOS SANTOS (SANTANDER)
6744	Nov 29 2016	00:12:38.9	7.19	-74.12	Sup	1.5	0.4	152	8	PUERTO WILCHES (SANTANDER)
6745	Nov 29 2016	00:29:25.6	6.67	-73.13	148	1.5	0.4	180	10	VILLANUEVA (SANTANDER)
6746	Nov 29 2016	00:53:19.0	4.47	-73.82	Sup	1.5	0.6	150	9	FOMEQUE (CUNDINAMARCA)
6747	Nov 29 2016	01:57:55.6	6.78	-73.15	153	2.0	0.3	149	11	LOS SANTOS (SANTANDER)
6748	Nov 29 2016	02:12:30.0	6.33	-73.51	132	1.3	0.2	230	7	CONTRATACION (SANTANDER)
6749	Nov 29 2016	03:17:21.6	6.78	-73.14	138	2.4	0.5	65	32	LOS SANTOS (SANTANDER)
6750	Nov 29 2016	03:37:37.0	7.19	-74.11	Sup	0.9	0.4	152	7	PUERTO WILCHES (SANTANDER)
6751	Nov 29 2016	03:53:57.7	8.72	-73.26	108	1.7	0.4	135	17	EL TARRA (N.SANTANDER)
6752	Nov 29 2016	04:00:42.0	10.09	-73.79	63	1.4	0.2	191	10	BOSCONIA (CESAR)
6753	Nov 29 2016	04:26: 1.8	6.79	-73.12	152	2.2	0.5	121	23	LOS SANTOS (SANTANDER)
6754	Nov 29 2016	04:41:36.4	6.84	-73.12	146	2.1	0.6	151	24	LOS SANTOS (SANTANDER)
6755	Nov 29 2016	04:55: 5.4	4.49	-73.87	Sup	1.1	0.4	158	9	FOMEQUE (CUNDINAMARCA)
6756	Nov 29 2016	04:56:59.4	6.67	-73.11	147	1.2	0.4	185	8	VILLANUEVA (SANTANDER)
6757	Nov 29 2016	05:11:44.8	6.74	-73.14	142	1.3	0.3	157	9	LOS SANTOS (SANTANDER)
6758	Nov 29 2016	05:40:46.2	6.35	-76.60	10	3.3	0.6	104	0	VIGIA DEL FUERTE (ANTIOQUIA)
6759	Nov 29 2016	05:40:46.2	6.35	-76.60	10	3.3	0.6	104	59	VIGIA DEL FUERTE (ANTIOQUIA)
6760	Nov 29 2016	06:27: 5.3	7.25	-72.11	Sup	1.7	0.4	240	11	LA FRONTERA CON VENEZUELA
6761	Nov 29 2016	06:54:23.2	6.69	-73.13	145	1.8	0.5	89	17	VILLANUEVA (SANTANDER)
6762	Nov 29 2016	06:55:12.2	11.02	-73.63	20	2.0	0.5	144	14	PUEBLO BELLO (CESAR)
6763	Nov 29 2016	06:58: 5.5	1.95	-76.72	Sup	1.3	0.3	170	10	LA VEGA (CAUCA)
6764	Nov 29 2016	07:04: 4.9	7.55	-72.44	Sup	2.7	0.7	171	21	LA FRONTERA CON VENEZUELA
6765	Nov 29 2016	07:34:58.4	7.38	-73.17	135	2.1	0.1	181	10	EL PLAYON (SANTANDER)
6766	Nov 29 2016	07:47:30.2	10.04	-73.87	72	1.1	0.3	142	9	BOSCONIA (CESAR)
6767	Nov 29 2016	08:12:36.4	6.73	-73.15	142	1.3	0.4	155	10	LOS SANTOS (SANTANDER)
6768	Nov 29 2016	08:29:54.5	6.33	-73.61	109	1.3	0.4	224	10	SANTA HELENA DEL OPON (SANTANDER)
6769	Nov 29 2016	08:48:52.8	6.75	-73.13	149	1.2	0.4	160	10	LOS SANTOS (SANTANDER)
6770	Nov 29 2016	09:45:32.8	7.57	-73.14	142	1.3	0.2	210	10	EL PLAYON (SANTANDER)
6771	Nov 29 2016	10:01:38.4	6.77	-73.33	122	1.9	0.3	119	10	ZAPATOCA (SANTANDER)
6772	Nov 29 2016	10:01:38.4	6.77	-73.33	122	1.9	0.3	119	10	ZAPATOCA (SANTANDER)
6773	Nov 29 2016	10:03: 5.8	2.93	-74.81	6	1.2	0.4	134	10	BARAYA (HUILA)
6774	Nov 29 2016	10:03: 5.8	2.93	-74.81	6	1.2	0.4	134	10	BARAYA (HUILA)
6775	Nov 29 2016	10:07:31.1	4.46	-73.78	Sup	2.2	0.8	131	43	SAN JUANITO (META)
6776	Nov 29 2016	10:07:31.1	4.46	-73.78	Sup	2.2	0.8	131	43	SAN JUANITO (META)
6777	Nov 29 2016	10:16:40.0	4.39	-73.72	6	1.5	0.3	186	13	EL CALVARIO (META)
6778	Nov 29 2016	10:36:17.6	6.78	-73.14	147	1.3	0.2	152	7	LOS SANTOS (SANTANDER)
6779	Nov 29 2016	11:23:23.6	4.43	-75.69	Sup	1.0	0.4	96	12	CORDOBA (QUINDIO)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6780	Nov 29 2016	11:28:18.3	6.79	-73.16	146	1.8	0.2	244	12	LOS SANTOS (SANTANDER)
6781	Nov 29 2016	11:28:18.8	6.77	-73.13	140	2.0	0.5	159	13	LOS SANTOS (SANTANDER)
6782	Nov 29 2016	11:28:18.8	6.77	-73.13	140	2.0	0.5	159	13	LOS SANTOS (SANTANDER)
6783	Nov 29 2016	11:30:42.2	6.76	-73.13	139	2.0	0.4	122	29	LOS SANTOS (SANTANDER)
6784	Nov 29 2016	11:42:53.6	6.80	-73.16	143	2.5	0.5	145	34	LOS SANTOS (SANTANDER)
6785	Nov 29 2016	12:13:14.5	6.79	-73.15	146	1.9	0.4	149	14	LOS SANTOS (SANTANDER)
6786	Nov 29 2016	12:16:19.9	6.75	-73.12	145	1.7	0.3	163	11	LOS SANTOS (SANTANDER)
6787	Nov 29 2016	12:39:10.5	7.81	-73.23	128	1.8	0.4	233	12	SAN ALBERTO (CESAR)
6788	Nov 29 2016	12:57:21.2	4.87	-76.26	10	1.8	0.5	141	20	SAN JOSE DEL PALMAR (CHOCO)
6789	Nov 29 2016	13:19:37.4	6.78	-73.15	147	3.7	0.5	65	72	LOS SANTOS (SANTANDER)
6790	Nov 29 2016	13:30:11.6	6.80	-73.14	147	2.2	0.3	150	20	LOS SANTOS (SANTANDER)
6791	Nov 29 2016	16:23:30.9	6.80	-73.16	144	1.7	0.2	143	9	LOS SANTOS (SANTANDER)
6792	Nov 29 2016	16:42:26.6	4.78	-76.34	93	1.9	0.4	197	12	EL CAIRO (VALLE)
6793	Nov 29 2016	18:03:34.1	5.53	-72.63	Sup	2.7	0.4	116	30	LABRANZAGRANDE (BOYACA)
6794	Nov 29 2016	19:03:58.0	6.73	-73.14	137	1.5	0.3	160	8	JORDAN (SANTANDER)
6795	Nov 29 2016	19:08:21.3	4.53	-76.26	127	1.8	0.4	170	13	EL DOVIO (VALLE)
6796	Nov 29 2016	19:23:31.0	6.84	-73.16	149	1.8	0.5	141	16	ZAPATOCA (SANTANDER)
6797	Nov 29 2016	19:34:35.6	6.88	-76.58	Sup	1.9	0.3	280	8	MURINDO (ANTIOQUIA)
6798	Nov 29 2016	19:35:44.9	7.24	-72.56	Sup	2.0	0.1	191	11	CACOTA (N.SANTANDER)
6799	Nov 29 2016	21:01: 5.3	3.81	-76.61	79	1.3	0.3	199	7	RESTREPO (VALLE)
6800	Nov 29 2016	22:01: 2.2	4.80	-73.85	Sup	1.3	0.5	232	8	GUASCA (CUNDINAMARCA)
6801	Nov 29 2016	22:02:10.8	7.41	-73.18	133	2.0	0.2	186	14	EL PLAYON (SANTANDER)
6802	Nov 29 2016	22:10: 7.6	6.81	-73.14	152	2.1	0.6	119	26	LOS SANTOS (SANTANDER)
6803	Nov 29 2016	22:59:15.2	4.04	-78.51	22	1.7	0.2	290	11	O. PACIFICO VENTO
6804	Nov 29 2016	23:51:53.1	3.75	-74.19	Sup	2.6	0.4	142	29	LEJANIAS (META)
6805	Nov 30 2016	01:18: 9.9	6.83	-73.40	121	1.4	0.3	117	10	SAN VICENTE DE CHUCURI (SANTANDER)
6806	Nov 30 2016	01:18: 9.9	6.83	-73.40	121	1.4	0.3	117	10	SAN VICENTE DE CHUCURI (SANTANDER)
6807	Nov 30 2016	01:34:11.9	4.18	-76.62	93	2.0	0.6	63	34	CALIMA (VALLE)
6808	Nov 30 2016	01:51:24.1	4.48	-76.19	Sup	1.5	0.4	101	11	EL DOVIO (VALLE)
6809	Nov 30 2016	02:41:39.9	6.71	-73.14	146	1.3	0.4	165	8	JORDAN (SANTANDER)
6810	Nov 30 2016	03:12:47.6	10.38	-73.65	74	1.1	0.4	158	10	PUEBLO BELLO (CESAR)
6811	Nov 30 2016	03:19:44.1	6.79	-73.15	148	2.0	0.5	119	19	LOS SANTOS (SANTANDER)
6812	Nov 30 2016	03:20:32.8	2.71	-79.87	32	3.0	0.6	122	31	O. PACIFICO SUR
6813	Nov 30 2016	03:36:34.6	6.75	-73.16	145	1.4	0.4	149	10	LOS SANTOS (SANTANDER)
6814	Nov 30 2016	04:40:28.1	5.63	-74.75	Sup	0.9	0.4	165	8	NORCASIA (CALDAS)
6815	Nov 30 2016	04:44:53.5	6.74	-73.16	139	1.4	0.5	150	9	LOS SANTOS (SANTANDER)
6816	Nov 30 2016	04:49:31.7	4.41	-73.75	Sup	1.6	0.8	92	14	EL CALVARIO (META)
6817	Nov 30 2016	05:26:41.9	7.35	-73.18	130	1.2	0.4	176	8	RIONEGRO (SANTANDER)
6818	Nov 30 2016	06:20: 8.5	6.78	-73.14	140	1.0	0.3	153	8	LOS SANTOS (SANTANDER)
6819	Nov 30 2016	06:21:44.4	6.71	-73.14	147	1.5	0.3	160	9	VILLANUEVA (SANTANDER)
6820	Nov 30 2016	06:23:50.1	6.73	-73.16	143	1.4	0.5	151	9	LOS SANTOS (SANTANDER)
6821	Nov 30 2016	07:17:47.1	7.17	-76.19	Sup	1.8	0.5	225	14	DABEIBA (ANTIOQUIA)
6822	Nov 30 2016	07:21: 4.6	6.77	-73.13	146	1.2	0.4	156	10	LOS SANTOS (SANTANDER)
6823	Nov 30 2016	08:28:18.8	6.69	-73.58	110	1.7	0.5	82	12	EL CARMEN (SANTANDER)
6824	Nov 30 2016	08:53:37.9	6.96	-73.07	141	1.5	0.7	152	12	PIEDECUSTA (SANTANDER)
6825	Nov 30 2016	09:40:44.6	6.53	-73.08	153	1.0	0.3	318	7	SAN GIL (SANTANDER)
6826	Nov 30 2016	10:19: 1.9	4.00	-74.10	Sup	2.0	0.4	115	31	GUTIERREZ (CUNDINAMARCA)
6827	Nov 30 2016	11:20:55.5	6.77	-73.17	141	1.8	0.3	144	17	LOS SANTOS (SANTANDER)
6828	Nov 30 2016	11:50:20.9	11.52	-74.23	8	2.0	0.4	235	14	EL MAR CARIBE
6829	Nov 30 2016	12:11:46.3	7.57	-75.09	12	2.0	0.3	119	14	ZARAGOZA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6830	Nov 30 2016	12:46:14.8	4.44	-75.52	27	0.9	0.5	224	8	CAJAMARCA (TOLIMA)
6831	Nov 30 2016	12:54:12.7	6.16	-75.72	22	1.2	0.2	169	8	HELICONIA (ANTIOQUIA)
6832	Nov 30 2016	13:22:29.9	6.70	-73.19	149	1.6	0.3	224	8	VILLANUEVA (SANTANDER)
6833	Nov 30 2016	14:09: 1.4	6.79	-73.14	143	3.0	0.5	86	53	LOS SANTOS (SANTANDER)
6834	Nov 30 2016	15:20:15.8	6.76	-73.12	144	1.5	0.3	163	7	LOS SANTOS (SANTANDER)
6835	Nov 30 2016	15:36:43.1	7.39	-74.74	46	2.2	0.4	110	21	ZARAGOZA (ANTIOQUIA)
6836	Nov 30 2016	16:51:36.7	6.06	-74.16	77	1.7	0.4	136	12	LA BELLEZA (SANTANDER)
6837	Nov 30 2016	17:12:35.8	5.01	-75.90	114	3.5	0.4	84	0	VITERBO (CALDAS)
6838	Nov 30 2016	17:12:35.8	5.01	-75.90	114	3.5	0.4	84	59	VITERBO (CALDAS)
6839	Nov 30 2016	17:28:27.9	6.79	-73.12	145	1.9	0.3	157	16	LOS SANTOS (SANTANDER)
6840	Nov 30 2016	17:42:26.2	6.30	-75.84	20	3.3	0.5	131	62	ANZA (ANTIOQUIA)
6841	Nov 30 2016	17:57:46.1	7.03	-74.24	Sup	1.5	0.3	131	7	YONDO (ANTIOQUIA)
6842	Nov 30 2016	20:29:49.4	5.40	-73.76	126	1.8	0.3	209	9	FUQUENE (CUNDINAMARCA)
6843	Nov 30 2016	21:11: 6.4	6.78	-73.14	143	3.0	0.3	99	32	LOS SANTOS (SANTANDER)
6844	Nov 30 2016	21:20: 9.1	7.23	-76.27	Sup	2.3	0.4	188	14	MUTATA (ANTIOQUIA)
6845	Nov 30 2016	22:01:32.5	6.81	-73.20	137	1.5	0.1	131	7	ZAPATOCA (SANTANDER)
6846	Nov 30 2016	22:29:25.5	9.72	-74.33	53	1.8	0.2	193	10	NUEVA GRANADA (MAGDALENA)
6847	Nov 30 2016	23:28:43.8	4.23	-76.49	47	1.4	0.4	122	10	TRUJILLO (VALLE)
6848	Dic 1 2016	00:16:54.6	5.26	-73.73	142	2.9	0.4	65	33	CUCUNUBA (CUNDINAMARCA)
6849	Dic 1 2016	01:06:35.8	6.79	-73.14	150	1.6	0.5	152	11	LOS SANTOS (SANTANDER)
6850	Dic 1 2016	01:26:58.6	2.98	-74.74	Sup	1.2	0.2	199	7	BARAYA (HUILA)
6851	Dic 1 2016	01:40:56.9	3.86	-76.63	49	2.1	0.7	96	28	RESTREPO (VALLE)
6852	Dic 1 2016	02:18:29.4	6.78	-73.14	148	3.3	0.6	66	0	LOS SANTOS (SANTANDER)
6853	Dic 1 2016	02:18:29.4	6.78	-73.14	148	3.3	0.6	66	62	LOS SANTOS (SANTANDER)
6854	Dic 1 2016	03:27:12.5	6.79	-73.12	144	2.9	0.7	67	45	LOS SANTOS (SANTANDER)
6855	Dic 1 2016	03:32:42.3	6.69	-73.14	146	1.5	0.4	165	8	VILLANUEVA (SANTANDER)
6856	Dic 1 2016	04:21:34.2	6.69	-73.14	146	1.2	0.1	255	8	VILLANUEVA (SANTANDER)
6857	Dic 1 2016	04:39:52.7	6.43	-73.54	105	1.0	0.5	211	10	SANTA HELENA DEL OPO (SANTANDER)
6858	Dic 1 2016	04:46: 9.5	6.83	-73.11	150	3.5	0.7	68	0	LOS SANTOS (SANTANDER)
6859	Dic 1 2016	04:46: 9.5	6.83	-73.11	150	3.5	0.7	68	54	LOS SANTOS (SANTANDER)
6860	Dic 1 2016	06:54:31.5	7.19	-76.21	Sup	1.3	0.5	232	10	DABEIBA (ANTIOQUIA)
6861	Dic 1 2016	07:05:33.0	7.12	-76.12	35	1.1	0.2	185	9	DABEIBA (ANTIOQUIA)
6862	Dic 1 2016	08:10:49.6	6.65	-73.14	153	1.2	0.1	180	6	VILLANUEVA (SANTANDER)
6863	Dic 1 2016	08:23:54.5	7.84	-76.17	6	1.9	0.5	276	14	TIERRALTA (CORDOBA)
6864	Dic 1 2016	08:39:10.6	5.23	-73.67	141	1.1	0.4	186	10	LENGUAZQUE (CUNDINAMARCA)
6865	Dic 1 2016	09:07:19.0	6.81	-73.19	142	1.6	0.6	133	14	ZAPATOCA (SANTANDER)
6866	Dic 1 2016	09:33:30.3	8.19	-73.95	19	1.7	0.2	151	10	MORALES (BOLIVAR)
6867	Dic 1 2016	09:39:51.9	6.79	-73.14	144	1.9	0.6	120	19	LOS SANTOS (SANTANDER)
6868	Dic 1 2016	09:54:56.3	6.82	-73.14	155	2.3	0.8	118	33	LOS SANTOS (SANTANDER)
6869	Dic 1 2016	11:42:51.5	4.03	-74.08	6	1.6	0.4	142	18	GUTIERREZ (CUNDINAMARCA)
6870	Dic 1 2016	11:49: 8.2	5.07	-73.12	Sup	2.2	0.5	121	22	CAMPOHERMOSO (BOYACA)
6871	Dic 1 2016	12:03:53.3	10.52	-73.43	79	1.4	0.2	118	10	PUEBLO BELLO (CESAR)
6872	Dic 1 2016	12:40: 0.0	4.48	-73.83	Sup	1.2	0.3	149	7	FOMEQUE (CUNDINAMARCA)
6873	Dic 1 2016	12:42:30.6	6.74	-73.15	143	2.0	0.4	151	10	LOS SANTOS (SANTANDER)
6874	Dic 1 2016	13:40:41.3	6.79	-73.19	144	1.6	0.2	133	13	ZAPATOCA (SANTANDER)
6875	Dic 1 2016	15:18:43.6	5.95	-76.90	6	2.3	0.4	229	19	MEDIO ATRATO (CHOCO)
6876	Dic 1 2016	16:55:35.5	6.82	-73.13	153	2.8	0.5	86	46	LOS SANTOS (SANTANDER)
6877	Dic 1 2016	17:43:10.6	7.34	-73.16	126	1.3	0.2	175	8	RIONEGRO (SANTANDER)
6878	Dic 1 2016	17:53: 8.8	6.77	-73.16	139	1.3	0.2	145	9	LOS SANTOS (SANTANDER)
6879	Dic 1 2016	19:35:16.0	6.78	-73.10	147	2.2	0.4	160	18	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6880	Dic 1 2016	20:06:46.6	6.82	-73.21	132	2.4	0.3	128	23	ZAPATOCA (SANTANDER)
6881	Dic 1 2016	20:10:37.2	5.75	-73.94	104	1.7	0.3	127	16	ALBANIA (SANTANDER)
6882	Dic 1 2016	20:19:53.8	6.77	-73.14	133	1.5	0.2	157	7	LOS SANTOS (SANTANDER)
6883	Dic 1 2016	22:09:22.7	7.19	-73.26	177	1.5	0.4	166	7	LEBRIJA (SANTANDER)
6884	Dic 1 2016	23:12:20.0	4.70	-76.20	95	1.9	0.3	146	14	EL CAIRO (VALLE)
6885	Dic 2 2016	00:20:57.3	6.77	-73.13	146	1.6	0.5	159	12	LOS SANTOS (SANTANDER)
6886	Dic 2 2016	02:55:34.9	7.48	-73.21	139	1.4	0.3	233	10	EL PLAYON (SANTANDER)
6887	Dic 2 2016	02:58:11.6	6.77	-73.15	147	1.8	0.5	120	14	LOS SANTOS (SANTANDER)
6888	Dic 2 2016	03:54: 3.6	6.68	-73.11	139	1.2	0.3	182	8	JORDAN (SANTANDER)
6889	Dic 2 2016	04:38:11.5	6.72	-73.13	145	1.8	0.4	166	14	JORDAN (SANTANDER)
6890	Dic 2 2016	04:55:56.0	6.73	-73.15	144	1.2	0.5	154	10	LOS SANTOS (SANTANDER)
6891	Dic 2 2016	05:17:25.7	6.67	-73.09	140	1.4	0.2	234	8	JORDAN (SANTANDER)
6892	Dic 2 2016	05:36:53.9	6.72	-73.13	140	1.6	0.6	164	14	JORDAN (SANTANDER)
6893	Dic 2 2016	06:01:45.9	7.15	-72.19	Sup	2.3	0.7	148	26	CUBARA (BOYACA)
6894	Dic 2 2016	07:12: 5.7	6.68	-73.11	144	1.3	0.4	183	10	JORDAN (SANTANDER)
6895	Dic 2 2016	07:51:19.2	6.71	-73.13	145	1.5	0.4	169	12	JORDAN (SANTANDER)
6896	Dic 2 2016	08:08:13.7	6.75	-73.13	142	1.5	0.5	158	14	LOS SANTOS (SANTANDER)
6897	Dic 2 2016	08:19:51.9	7.37	-73.18	132	1.8	0.1	180	10	EL PLAYON (SANTANDER)
6898	Dic 2 2016	08:20:52.5	6.70	-73.64	100	1.3	0.5	154	10	EL CARMEN (SANTANDER)
6899	Dic 2 2016	09:10:11.9	7.40	-73.29	121	1.8	0.4	183	20	EL PLAYON (SANTANDER)
6900	Dic 2 2016	09:27:26.9	4.40	-73.62	Sup	1.7	0.4	155	10	SAN JUANITO (META)
6901	Dic 2 2016	09:31:29.2	6.70	-73.12	139	1.6	0.2	173	7	JORDAN (SANTANDER)
6902	Dic 2 2016	10:42:49.5	7.10	-73.32	122	1.1	0.4	145	7	LEBRIJA (SANTANDER)
6903	Dic 2 2016	11:25:43.2	4.21	-76.51	48	1.5	0.5	123	12	TRUJILLO (VALLE)
6904	Dic 2 2016	11:49:58.3	6.34	-73.55	110	1.5	0.5	151	13	SANTA HELENA DEL OPOON (SANTANDER)
6905	Dic 2 2016	12:34: 1.9	6.75	-73.14	138	2.3	0.5	155	28	LOS SANTOS (SANTANDER)
6906	Dic 2 2016	13:26:26.5	3.17	-76.65	84	1.4	0.5	165	12	JAMUNDI (VALLE)
6907	Dic 2 2016	13:31:42.3	7.86	-74.66	26	1.5	0.3	268	8	NECHI (ANTIOQUIA)
6908	Dic 2 2016	13:56:12.8	6.73	-73.14	143	1.7	0.2	157	12	LOS SANTOS (SANTANDER)
6909	Dic 2 2016	14:39: 3.3	6.22	-73.63	108	1.7	0.3	240	8	LA PAZ (SANTANDER)
6910	Dic 2 2016	14:49: 9.7	6.77	-73.11	154	1.4	0.3	165	8	LOS SANTOS (SANTANDER)
6911	Dic 2 2016	15:35:45.8	5.36	-74.92	6	1.6	0.5	139	14	VICTORIA (CALDAS)
6912	Dic 2 2016	18:21: 6.6	6.73	-73.15	141	1.6	0.5	153	7	LOS SANTOS (SANTANDER)
6913	Dic 2 2016	20:22:55.0	4.13	-76.97	69	1.6	0.3	151	7	BUENAVENTURA (VALLE)
6914	Dic 2 2016	21:04:43.5	6.76	-73.15	142	2.0	0.3	150	12	LOS SANTOS (SANTANDER)
6915	Dic 2 2016	21:56:55.8	6.76	-73.15	142	2.0	0.3	149	16	LOS SANTOS (SANTANDER)
6916	Dic 2 2016	23:42:42.5	8.11	-73.63	40	1.8	0.2	247	10	SAN MARTIN (CESAR)
6917	Dic 3 2016	00:12: 4.4	6.83	-73.19	144	1.5	0.6	133	11	ZAPATOCA (SANTANDER)
6918	Dic 3 2016	02:29:21.3	7.11	-73.88	93	1.5	0.5	148	9	BARRANCABERMEJA (SANTANDER)
6919	Dic 3 2016	03:40:42.1	4.36	-76.29	125	1.9	0.4	153	15	BOLIVAR (VALLE)
6920	Dic 3 2016	04:25:14.7	6.70	-73.14	151	1.7	0.4	163	10	VILLANUEVA (SANTANDER)
6921	Dic 3 2016	04:54:14.4	4.37	-76.31	40	1.4	0.3	250	8	BOLIVAR (VALLE)
6922	Dic 3 2016	04:56:51.0	7.48	-73.68	27	1.4	0.2	188	10	SABANA DE TORRES (SANTANDER)
6923	Dic 3 2016	05:25:51.7	6.60	-73.18	136	1.3	0.4	222	8	BARICHARA (SANTANDER)
6924	Dic 3 2016	05:41:15.4	5.29	-73.70	147	1.5	0.4	153	11	LENGUAZAQUE (CUNDINAMARCA)
6925	Dic 3 2016	06:59:53.9	6.32	-73.51	134	1.6	0.4	190	10	CONTRATACION (SANTANDER)
6926	Dic 3 2016	07:43: 6.6	6.64	-73.17	146	1.2	0.0	242	7	VILLANUEVA (SANTANDER)
6927	Dic 3 2016	08:06: 1.7	6.76	-73.11	143	2.0	0.4	69	24	LOS SANTOS (SANTANDER)
6928	Dic 3 2016	08:08: 2.8	3.05	-74.68	Sup	1.5	0.6	155	15	COLOMBIA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6929	Dic 3 2016	08:13: 3.7	6.82	-73.15	153	2.1	0.6	65	29	LOS SANTOS (SANTANDER)
6930	Dic 3 2016	10:28:55.5	10.66	-73.64	27	1.1	0.3	106	10	PUEBLO BELLO (CESAR)
6931	Dic 3 2016	10:40:44.7	7.55	-73.26	32	1.5	0.3	203	10	LA ESPERANZA (N.SANTANDER)
6932	Dic 3 2016	11:04:37.5	5.41	-73.76	132	2.3	0.4	64	32	FUQUENE (CUNDINAMARCA)
6933	Dic 3 2016	11:06:56.4	5.41	-72.63	Sup	1.6	0.4	118	12	PAJARITO (BOYACA)
6934	Dic 3 2016	11:20:40.6	6.60	-73.19	141	1.1	0.1	186	6	BARICHARA (SANTANDER)
6935	Dic 3 2016	11:26: 1.1	6.75	-73.12	140	2.0	0.5	123	20	LOS SANTOS (SANTANDER)
6936	Dic 3 2016	11:42:38.5	6.81	-73.17	145	2.4	0.4	78	35	LOS SANTOS (SANTANDER)
6937	Dic 3 2016	12:10:54.1	6.64	-73.18	136	1.5	0.3	229	7	VILLANUEVA (SANTANDER)
6938	Dic 3 2016	13:18:57.0	6.73	-73.12	139	1.8	0.4	165	12	LOS SANTOS (SANTANDER)
6939	Dic 3 2016	13:31:43.5	6.73	-73.22	135	1.5	0.6	228	7	VILLANUEVA (SANTANDER)
6940	Dic 3 2016	15:53:24.0	3.81	-75.66	Sup	1.6	0.4	97	18	CHAPARRAL (TOLIMA)
6941	Dic 3 2016	16:36:18.2	6.78	-73.15	140	1.9	0.5	148	17	LOS SANTOS (SANTANDER)
6942	Dic 3 2016	16:51:59.7	6.78	-73.12	141	3.2	0.6	91	50	LOS SANTOS (SANTANDER)
6943	Dic 3 2016	18:27: 5.7	6.75	-73.12	138	2.0	0.4	159	20	LOS SANTOS (SANTANDER)
6944	Dic 3 2016	19:16:26.3	5.89	-72.55	Sup	1.9	0.6	169	12	SOCOTA (BOYACA)
6945	Dic 3 2016	19:16:26.4	5.87	-72.51	Sup	1.9	0.4	115	15	PISVA (BOYACA)
6946	Dic 3 2016	19:39:53.4	6.80	-73.17	145	1.5	0.3	141	11	LOS SANTOS (SANTANDER)
6947	Dic 3 2016	20:27:43.8	9.03	-77.91	61	3.9	0.5	139	64	FRONTERA CON PANAMA
6948	Dic 3 2016	21:01:38.8	4.57	-76.21	122	2.1	0.4	104	20	VERSALLES (VALLE)
6949	Dic 3 2016	21:18:31.7	4.77	-74.77	22	1.6	0.2	176	10	AMBALEMA (TOLIMA)
6950	Dic 3 2016	21:41:24.8	6.75	-73.12	145	2.0	0.3	160	20	LOS SANTOS (SANTANDER)
6951	Dic 3 2016	21:58:55.5	10.00	-73.07	Sup	2.6	0.5	155	31	AGUSTIN CODAZZI (CESAR)
6952	Dic 3 2016	22:54:22.2	5.51	-74.75	Sup	1.3	0.2	168	10	LA DORADA (CALDAS)
6953	Dic 3 2016	23:28:21.9	6.81	-73.14	148	2.4	0.3	65	38	LOS SANTOS (SANTANDER)
6954	Dic 4 2016	00:14:41.0	6.66	-73.19	147	1.4	0.3	219	7	VILLANUEVA (SANTANDER)
6955	Dic 4 2016	00:22:20.9	6.52	-73.56	111	2.0	0.5	68	22	EL CARMEN (SANTANDER)
6956	Dic 4 2016	01:29:32.0	4.63	-76.17	Sup	0.7	0.3	142	6	VERSALLES (VALLE)
6957	Dic 4 2016	03:32:38.8	5.58	-76.04	13	1.2	0.5	166	10	BETANIA (ANTIOQUIA)
6958	Dic 4 2016	03:56:52.5	6.74	-73.14	146	1.8	0.3	158	12	LOS SANTOS (SANTANDER)
6959	Dic 4 2016	04:03:34.0	6.77	-73.13	146	1.8	0.5	121	19	LOS SANTOS (SANTANDER)
6960	Dic 4 2016	04:54:10.3	6.81	-73.19	139	1.2	0.3	239	9	ZAPATOCA (SANTANDER)
6961	Dic 4 2016	04:54:10.0	6.78	-73.18	142	1.2	0.5	237	9	LOS SANTOS (SANTANDER)
6962	Dic 4 2016	05:27:21.1	6.30	-73.65	104	1.2	0.3	228	8	SANTA HELENA DEL OPON (SANTANDER)
6963	Dic 4 2016	06:11:20.5	5.30	-76.26	93	1.3	0.3	201	8	BAGADO (CHOCO)
6964	Dic 4 2016	06:28:19.1	6.18	-73.65	127	1.3	0.4	187	8	LA PAZ (SANTANDER)
6965	Dic 4 2016	06:49:38.1	5.14	-78.15	64	1.7	0.5	279	15	O. PACIFICO CENTRO
6966	Dic 4 2016	07:05:32.5	5.89	-73.76	120	1.6	0.4	168	14	JESUS MARIA (SANTANDER)
6967	Dic 4 2016	07:10:18.9	6.72	-73.14	146	2.1	0.4	122	19	JORDAN (SANTANDER)
6968	Dic 4 2016	07:20:34.8	6.74	-73.29	124	1.0	0.4	190	7	ZAPATOCA (SANTANDER)
6969	Dic 4 2016	07:27:23.7	6.93	-73.40	116	1.2	0.3	208	8	SAN VICENTE DE CHUCURI (SANTANDER)
6970	Dic 4 2016	07:36:35.7	6.72	-73.19	152	1.1	0.3	230	7	VILLANUEVA (SANTANDER)
6971	Dic 4 2016	07:51:43.5	6.61	-73.16	140	1.1	0.3	258	7	VILLANUEVA (SANTANDER)
6972	Dic 4 2016	08:09:39.9	6.93	-76.25	Sup	1.7	0.4	174	14	DABEIBA (ANTIOQUIA)
6973	Dic 4 2016	08:13:28.7	2.49	-75.47	9	1.2	0.3	158	14	HOBO (HUILA)
6974	Dic 4 2016	08:13:45.2	6.72	-73.15	153	1.1	0.1	248	7	JORDAN (SANTANDER)
6975	Dic 4 2016	08:16:31.1	10.15	-73.17	118	1.6	0.5	156	16	AGUSTIN CODAZZI (CESAR)
6976	Dic 4 2016	08:23:10.5	6.77	-73.15	146	1.2	0.1	150	8	LOS SANTOS (SANTANDER)
6977	Dic 4 2016	08:27:23.4	7.39	-73.17	133	0.9	0.3	267	7	EL PLAYON (SANTANDER)
6978	Dic 4 2016	08:27:46.3	10.52	-73.54	82	1.7	0.1	108	8	PUEBLO BELLO (CESAR)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
6979	Dic 4 2016	08:35:13.9	6.60	-73.39	121	1.3	0.3	173	7	HATO (SANTANDER)
6980	Dic 4 2016	09:07:48.8	6.79	-73.13	153	1.9	0.5	120	19	LOS SANTOS (SANTANDER)
6981	Dic 4 2016	09:21: 0.8	6.53	-73.54	111	1.9	0.6	62	31	EL CARMEN (SANTANDER)
6982	Dic 4 2016	09:56:26.4	1.97	-75.99	Sup	1.8	0.5	102	20	TIMANA (HUILA)
6983	Dic 4 2016	10:05:51.6	6.84	-73.19	136	1.9	0.3	132	22	ZAPATOCA (SANTANDER)
6984	Dic 4 2016	10:47:48.4	5.60	-75.93	18	1.7	0.4	137	18	ANDES (ANTIOQUIA)
6985	Dic 4 2016	12:00:35.4	6.62	-73.18	143	1.6	0.3	224	8	BARICHARA (SANTANDER)
6986	Dic 4 2016	12:34:22.0	6.93	-76.62	Sup	2.1	0.4	212	18	MURINDO (ANTIOQUIA)
6987	Dic 4 2016	13:36:51.0	6.72	-73.13	140	1.7	0.3	163	9	JORDAN (SANTANDER)
6988	Dic 4 2016	15:26:13.7	8.23	-73.94	72	1.8	0.2	192	11	MORALES (BOLIVAR)
6989	Dic 4 2016	15:33:33.1	4.80	-76.27	112	1.8	0.4	168	14	EL CAIRO (VALLE)
6990	Dic 4 2016	15:40: 4.3	9.99	-73.23	126	1.9	0.4	152	12	AGUSTIN CODAZZI (CESAR)
6991	Dic 4 2016	15:51: 9.3	3.43	-74.20	Sup	2.3	0.5	142	39	MESETAS (META)
6992	Dic 4 2016	17:04:18.8	6.83	-73.10	148	1.5	0.2	159	8	LOS SANTOS (SANTANDER)
6993	Dic 4 2016	17:43: 2.6	4.79	-76.18	105	2.2	0.4	91	26	EL CAIRO (VALLE)
6994	Dic 4 2016	20:09:49.1	6.63	-73.14	139	1.2	0.2	288	8	VILLANUEVA (SANTANDER)
6995	Dic 4 2016	20:48:12.0	6.72	-73.13	118	1.3	0.3	258	10	JORDAN (SANTANDER)
6996	Dic 4 2016	21:00:57.6	6.83	-73.14	140	2.0	0.2	149	16	LOS SANTOS (SANTANDER)
6997	Dic 4 2016	21:28:25.5	10.19	-73.14	Sup	1.4	0.4	159	8	SAN DIEGO (CESAR)
6998	Dic 4 2016	21:29:30.1	6.79	-73.15	147	2.1	0.4	147	23	LOS SANTOS (SANTANDER)
6999	Dic 4 2016	21:37:56.2	1.97	-75.99	Sup	0.9	0.2	217	7	TIMANA (HUILA)
7000	Dic 4 2016	21:56:41.6	10.76	-72.65	Sup	1.7	0.4	176	7	FRONTERA CON VENEZUELA
7001	Dic 4 2016	22:24:37.4	5.25	-73.73	149	2.0	0.3	97	24	CUCUNUBA (CUNDINAMARCA)
7002	Dic 4 2016	23:36:48.6	6.78	-73.12	143	2.1	0.4	70	28	LOS SANTOS (SANTANDER)
7003	Dic 4 2016	23:57:37.8	7.14	-76.15	Sup	1.3	0.4	127	9	DABEIBA (ANTIOQUIA)
7004	Dic 5 2016	00:04:36.4	2.49	-76.82	17	1.2	0.4	156	10	EL TAMBO (CAUCA)
7005	Dic 5 2016	00:12:23.1	6.77	-73.13	146	1.8	0.4	155	11	LOS SANTOS (SANTANDER)
7006	Dic 5 2016	00:15:52.8	6.74	-73.14	144	1.6	0.5	158	10	LOS SANTOS (SANTANDER)
7007	Dic 5 2016	01:07:43.7	6.78	-73.14	146	2.2	0.4	99	26	LOS SANTOS (SANTANDER)
7008	Dic 5 2016	01:40: 2.4	5.62	-73.99	105	1.6	0.5	126	15	PAUNA (BOYACA)
7009	Dic 5 2016	01:41:44.8	5.09	-77.56	38	1.5	0.2	291	7	O. PACIFICO CENTRO
7010	Dic 5 2016	03:29:39.8	6.76	-73.11	152	1.5	0.3	164	8	LOS SANTOS (SANTANDER)
7011	Dic 5 2016	03:44:32.7	6.06	-74.35	14	1.4	0.2	159	9	PUERTO BOYACA (BOYACA)
7012	Dic 5 2016	04:27:45.6	8.16	-73.62	94	1.4	0.3	173	11	AGUACHICA (CESAR)
7013	Dic 5 2016	05:15:53.3	5.92	-76.18	Sup	1.9	0.5	194	14	EL CARMEN (CHOCO)
7014	Dic 5 2016	05:29:35.7	6.78	-73.17	147	1.4	0.3	141	10	LOS SANTOS (SANTANDER)
7015	Dic 5 2016	05:57:21.8	6.77	-73.12	140	1.8	0.5	92	18	LOS SANTOS (SANTANDER)
7016	Dic 5 2016	06:14:38.1	6.71	-73.49	107	1.0	0.5	149	8	EL CARMEN (SANTANDER)
7017	Dic 5 2016	06:50: 6.5	5.65	-74.00	100	1.0	0.4	223	10	PAUNA (BOYACA)
7018	Dic 5 2016	06:52:26.1	6.29	-73.72	93	1.3	0.4	228	8	LANDAZURI (SANTANDER)
7019	Dic 5 2016	07:01:27.6	6.64	-73.16	146	1.1	0.1	254	8	VILLANUEVA (SANTANDER)
7020	Dic 5 2016	07:05:42.0	6.73	-73.14	144	1.2	0.4	159	10	JORDAN (SANTANDER)
7021	Dic 5 2016	07:15:51.9	2.31	-75.58	16	1.5	0.3	101	13	GIGANTE (HUILA)
7022	Dic 5 2016	07:57:23.3	4.28	-76.57	87	1.7	0.4	69	28	TRUJILLO (VALLE)
7023	Dic 5 2016	08:01:10.8	9.23	-77.92	20	1.3	0.6	195	8	MAR CARIBE
7024	Dic 5 2016	08:12:24.7	6.78	-73.15	148	1.7	0.5	119	18	LOS SANTOS (SANTANDER)
7025	Dic 5 2016	08:46:47.8	4.86	-75.90	43	1.7	0.7	131	11	LA VIRGINIA (RISARALDA)
7026	Dic 5 2016	10:38:55.4	6.75	-73.12	137	1.6	0.4	164	12	LOS SANTOS (SANTANDER)
7027	Dic 5 2016	10:41:35.3	6.76	-73.14	146	1.6	0.5	154	11	LOS SANTOS (SANTANDER)
7028	Dic 5 2016	10:56:41.7	5.23	-77.48	40	1.7	0.5	254	10	O. PACIFICO CENTRO

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7029	Dic 5 2016	12:38: 9.9	6.79	-73.12	150	2.2	0.4	158	22	LOS SANTOS (SANTANDER)
7030	Dic 5 2016	13:01:52.0	5.72	-73.96	100	1.7	0.4	126	12	TUNUNGUA (BOYACA)
7031	Dic 5 2016	15:23:18.3	6.76	-73.12	144	1.8	0.5	164	12	LOS SANTOS (SANTANDER)
7032	Dic 5 2016	17:06:23.7	4.47	-76.63	Sup	1.6	0.6	162	10	SIPI (CHOCO)
7033	Dic 5 2016	17:24:50.7	7.16	-76.18	Sup	1.7	0.6	141	12	DABEIBA (ANTIOQUIA)
7034	Dic 5 2016	18:37:23.5	6.66	-73.12	178	1.6	0.4	183	8	VILLANUEVA (SANTANDER)
7035	Dic 5 2016	19:34: 3.3	6.80	-73.13	147	2.4	0.5	154	20	LOS SANTOS (SANTANDER)
7036	Dic 5 2016	20:35:30.6	5.31	-73.72	150	1.7	0.5	198	12	LENGUAZQUE (CUNDINAMARCA)
7037	Dic 5 2016	21:15:20.1	7.25	-73.26	118	1.3	0.4	163	10	RIONEGRO (SANTANDER)
7038	Dic 5 2016	21:58: 4.6	4.36	-76.31	126	1.8	0.4	179	11	BOLIVAR (VALLE)
7039	Dic 5 2016	22:50: 6.4	6.72	-73.19	152	1.5	0.3	226	10	VILLANUEVA (SANTANDER)
7040	Dic 5 2016	23:06:52.0	2.36	-75.64	14	1.5	0.5	105	16	GIGANTE (HUILA)
7041	Dic 5 2016	23:17:14.8	5.73	-75.49	Sup	3.0	0.8	60	44	ABEJORRAL (ANTIOQUIA)
7042	Dic 5 2016	23:48:52.1	6.64	-73.24	153	1.4	0.1	213	7	BARICHARA (SANTANDER)
7043	Dic 6 2016	00:13:31.5	6.73	-73.15	148	1.5	0.4	139	11	LOS SANTOS (SANTANDER)
7044	Dic 6 2016	00:35:35.6	6.75	-73.13	146	1.2	0.5	140	11	LOS SANTOS (SANTANDER)
7045	Dic 6 2016	00:38:29.4	7.08	-73.13	131	1.2	0.6	137	8	BUCARAMANGA (SANTANDER)
7046	Dic 6 2016	00:57:47.6	6.82	-73.34	126	1.4	0.3	103	10	ZAPATOCA (SANTANDER)
7047	Dic 6 2016	01:22: 3.4	6.76	-73.11	154	1.7	0.4	123	22	LOS SANTOS (SANTANDER)
7048	Dic 6 2016	01:53:55.8	6.81	-73.13	152	2.4	0.4	73	31	LOS SANTOS (SANTANDER)
7049	Dic 6 2016	02:58:21.6	1.89	-76.25	Sup	1.9	0.4	122	14	SAN AGUSTIN (HUILA)
7050	Dic 6 2016	03:12:18.5	6.78	-73.13	146	1.8	0.4	138	24	LOS SANTOS (SANTANDER)
7051	Dic 6 2016	03:31:44.9	6.76	-73.14	147	1.8	0.5	138	18	LOS SANTOS (SANTANDER)
7052	Dic 6 2016	03:53:21.4	6.79	-73.11	156	1.3	0.4	141	10	LOS SANTOS (SANTANDER)
7053	Dic 6 2016	04:43:37.1	2.46	-75.51	Sup	1.8	0.4	75	21	GIGANTE (HUILA)
7054	<u>Dic 6 2016</u>	<u>04:51: 1.0</u>	<u>4.78</u>	<u>-77.28</u>	<u>44</u>	<u>4.5</u>	<u>0.7</u>	<u>123</u>	<u>0</u>	<u>BAJO BAUDO (CHOCO)</u>
7055	<u>Dic 6 2016</u>	<u>04:51: 1.0</u>	<u>4.78</u>	<u>-77.28</u>	<u>44</u>	<u>4.5</u>	<u>0.7</u>	<u>123</u>	<u>97</u>	<u>BAJO BAUDO (CHOCO)</u>
7056	Dic 6 2016	05:11:49.0	4.79	-77.33	52	1.7	0.5	171	12	BAJO BAUDO (CHOCO)
7057	Dic 6 2016	05:22:12.9	4.78	-77.28	50	1.9	0.6	155	16	BAJO BAUDO (CHOCO)
7058	Dic 6 2016	05:41:49.7	4.79	-77.33	55	2.1	0.5	171	20	BAJO BAUDO (CHOCO)
7059	Dic 6 2016	06:20:29.7	6.81	-73.16	148	1.4	0.4	104	13	LOS SANTOS (SANTANDER)
7060	Dic 6 2016	06:29:25.0	4.39	-75.87	141	1.9	0.3	102	16	CAICEDONIA (VALLE)
7061	Dic 6 2016	06:30:14.1	6.78	-73.14	143	1.6	0.4	120	18	LOS SANTOS (SANTANDER)
7062	Dic 6 2016	07:42:28.9	2.05	-75.91	Sup	1.0	0.2	132	8	ELIAS (HUILA)
7063	Dic 6 2016	07:58:13.1	5.90	-74.41	135	1.0	0.4	145	7	PUERTO BOYACA (BOYACA)
7064	Dic 6 2016	07:58:51.9	11.92	-73.30	Sup	1.5	0.3	230	8	MAR CARIBE
7065	Dic 6 2016	07:59:18.4	4.76	-77.27	48	1.0	0.3	151	8	BAJO BAUDO (CHOCO)
7066	Dic 6 2016	08:02:15.6	6.15	-73.49	128	1.0	0.2	169	9	SAN BENITO (SANTANDER)
7067	Dic 6 2016	08:13:37.6	6.76	-73.14	142	1.4	0.4	121	18	LOS SANTOS (SANTANDER)
7068	Dic 6 2016	08:46:50.5	4.46	-75.68	Sup	0.7	0.6	92	11	ARMENIA (QUINDIO)
7069	Dic 6 2016	08:48:41.7	4.80	-77.33	55	1.7	0.4	170	8	BAJO BAUDO (CHOCO)
7070	Dic 6 2016	09:05:32.1	4.86	-77.29	61	1.4	0.0	163	7	BAJO BAUDO (CHOCO)
7071	Dic 6 2016	09:06:10.8	9.08	-74.11	21	1.4	0.1	194	7	GUAMAL (MAGDALENA)
7072	Dic 6 2016	09:27: 2.7	7.25	-75.66	8	1.6	0.5	111	14	ITUANGO (ANTIOQUIA)
7073	Dic 6 2016	09:30:11.1	4.77	-77.29	50	1.6	0.6	159	10	BAJO BAUDO (CHOCO)
7074	Dic 6 2016	10:03:11.8	6.80	-73.16	145	2.5	0.4	102	40	LOS SANTOS (SANTANDER)
7075	Dic 6 2016	10:12:52.0	6.83	-73.13	145	2.4	0.6	105	38	LOS SANTOS (SANTANDER)
7076	Dic 6 2016	10:52:29.2	6.76	-73.14	147	1.4	0.3	234	8	LOS SANTOS (SANTANDER)
7077	Dic 6 2016	11:20:51.7	7.06	-76.03	16	1.3	0.4	76	10	PEQUE (ANTIOQUIA)
7078	Dic 6 2016	12:11:31.1	4.84	-77.37	62	1.7	0.3	191	8	O. PACIFICO CENTRO

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7079	Dic 6 2016	13:21:25.4	5.53	-73.85	124	1.1	0.2	107	10	SIMIJACA (CUNDINAMARCA)
7080	Dic 6 2016	19:17:57.3	6.58	-73.52	112	2.4	0.7	111	29	EL CARMEN (SANTANDER)
7081	Dic 6 2016	19:47:15.1	1.00	-76.88	Sup	1.4	0.4	230	10	SAN FRANCISCO (PUTUMAYO)
7082	Dic 6 2016	20:19: 4.3	2.88	-74.78	Sup	1.0	0.1	135	7	BARAYA (HUILA)
7083	Dic 6 2016	22:30:41.2	6.79	-73.16	147	1.9	0.3	134	17	LOS SANTOS (SANTANDER)
7084	Dic 6 2016	23:13:19.0	6.77	-73.14	147	2.9	0.6	66	53	LOS SANTOS (SANTANDER)
7085	Dic 7 2016	01:48:40.1	6.81	-73.13	144	3.2	0.5	66	66	LOS SANTOS (SANTANDER)
7086	Dic 7 2016	02:04:16.0	6.70	-73.16	150	1.4	0.3	227	10	VILLANUEVA (SANTANDER)
7087	Dic 7 2016	02:04:15.5	6.67	-73.16	153	1.4	0.3	242	8	VILLANUEVA (SANTANDER)
7088	Dic 7 2016	04:23:19.7	6.79	-73.15	147	2.2	0.4	101	30	LOS SANTOS (SANTANDER)
7089	Dic 7 2016	04:56:33.8	6.70	-73.20	145	1.4	0.2	221	10	VILLANUEVA (SANTANDER)
7090	Dic 7 2016	05:04:48.8	6.78	-73.13	155	1.4	0.4	139	12	LOS SANTOS (SANTANDER)
7091	Dic 7 2016	05:33: 1.9	7.13	-72.24	Sup	1.7	0.8	213	14	CUBARA (BOYACA)
7092	Dic 7 2016	05:39:38.9	7.96	-74.15	13	1.1	0.4	277	7	SANTA ROSA DEL SUR (BOLIVAR)
7093	Dic 7 2016	06:27: 7.4	6.75	-73.22	146	1.2	0.4	220	8	ZAPATOCA (SANTANDER)
7094	Dic 7 2016	06:28:22.8	5.33	-76.17	Sup	1.8	0.5	183	10	PUEBLO RICO (RISARALDA)
7095	Dic 7 2016	06:54:36.5	6.78	-73.11	148	1.3	0.4	164	9	LOS SANTOS (SANTANDER)
7096	Dic 7 2016	07:00:44.7	6.84	-73.11	150	1.3	0.4	244	10	LOS SANTOS (SANTANDER)
7097	Dic 7 2016	07:46:26.5	6.63	-73.16	144	1.4	0.1	248	8	VILLANUEVA (SANTANDER)
7098	Dic 7 2016	10:03:49.4	3.67	-76.33	108	1.5	0.3	149	8	EL CERRITO (VALLE)
7099	Dic 7 2016	10:32: 5.7	6.76	-73.15	147	1.8	0.3	137	16	LOS SANTOS (SANTANDER)
7100	Dic 7 2016	10:50:48.7	6.80	-73.16	144	2.7	0.4	70	46	LOS SANTOS (SANTANDER)
7101	Dic 7 2016	11:13: 4.3	5.27	-74.67	13	1.6	0.4	73	20	HONDA (TOLIMA)
7102	Dic 7 2016	11:32: 0.2	6.07	-73.25	164	1.4	0.3	153	8	GAMBITA (SANTANDER)
7103	Dic 7 2016	13:15:23.3	10.71	-72.62	16	2.0	0.5	181	10	FRONTERA CON VENEZUELA
7104	Dic 7 2016	14:21:26.7	6.78	-73.13	140	1.9	0.5	138	20	LOS SANTOS (SANTANDER)
7105	Dic 7 2016	15:03: 5.9	7.11	-75.84	Sup	1.7	0.5	69	14	ITUANGO (ANTIOQUIA)
7106	Dic 7 2016	15:14:22.5	6.80	-73.12	144	1.8	0.5	139	16	LOS SANTOS (SANTANDER)
7107	Dic 7 2016	17:20:20.5	6.78	-73.16	145	2.3	0.4	135	21	LOS SANTOS (SANTANDER)
7108	Dic 7 2016	18:09:20.8	6.62	-73.16	27	1.0	0.4	140	8	VILLANUEVA (SANTANDER)
7109	Dic 7 2016	19:25:50.5	6.78	-73.15	145	1.9	0.2	137	10	LOS SANTOS (SANTANDER)
7110	Dic 7 2016	20:07:12.3	6.28	-73.70	106	2.8	0.6	38	47	SANTA HELENA DEL OPON (SANTANDER)
7111	Dic 7 2016	21:55:13.1	10.93	-72.66	7	1.7	0.3	238	8	MANAURE BALCON CESAR (CESAR)
7112	Dic 7 2016	22:16:50.1	7.10	-76.16	Sup	1.7	0.8	122	12	DABEIBA (ANTIOQUIA)
7113	Dic 7 2016	22:36:53.3	4.74	-77.27	42	2.6	0.8	154	21	BAJO BAUDO (CHOCO)
7114	Dic 7 2016	22:37:47.4	6.79	-73.13	147	2.6	0.6	66	34	LOS SANTOS (SANTANDER)
7115	Dic 8 2016	00:02:28.2	6.78	-73.13	144	1.4	0.5	138	14	LOS SANTOS (SANTANDER)
7116	Dic 8 2016	00:21: 9.3	6.78	-73.08	144	1.4	0.2	145	9	LOS SANTOS (SANTANDER)
7117	Dic 8 2016	00:23:26.1	4.81	-76.13	114	1.3	0.2	110	11	ARGELIA (VALLE)
7118	Dic 8 2016	00:40:42.1	7.93	-73.29	Sup	1.2	0.3	275	9	ABREGO (N.SANTANDER)
7119	Dic 8 2016	00:48:54.6	6.74	-73.21	156	1.3	0.3	131	7	VILLANUEVA (SANTANDER)
7120	Dic 8 2016	01:38:48.7	6.63	-73.21	25	1.2	0.3	105	10	BARICHARA (SANTANDER)
7121	Dic 8 2016	02:14:53.1	6.69	-73.25	148	1.2	0.3	192	8	GALAN (SANTANDER)
7122	Dic 8 2016	03:50:51.8	6.72	-73.13	155	1.4	0.5	233	8	JORDAN (SANTANDER)
7123	Dic 8 2016	04:12: 9.4	4.92	-75.76	Sup	1.3	0.8	77	16	MARSELLA (RISARALDA)
7124	Dic 8 2016	05:40: 0.6	6.77	-73.20	146	1.5	0.5	239	8	ZAPATOCA (SANTANDER)
7125	Dic 8 2016	05:46:52.8	6.38	-73.76	91	1.0	0.4	156	8	SANTA HELENA DEL OPON (SANTANDER)
7126	Dic 8 2016	06:07:51.6	4.90	-77.63	23	1.7	0.5	275	8	O. PACIFICO CENTRO
7127	Dic 8 2016	06:12:21.6	6.78	-73.15	145	3.1	0.5	65	61	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7128	Dic 8 2016	07:09:44.7	6.79	-73.14	150	1.5	0.4	119	14	LOS SANTOS (SANTANDER)
7129	Dic 8 2016	07:40:28.1	6.77	-73.15	144	1.6	0.4	98	13	LOS SANTOS (SANTANDER)
7130	Dic 8 2016	07:59:55.3	6.77	-73.17	155	1.2	0.4	134	9	LOS SANTOS (SANTANDER)
7131	Dic 8 2016	08:23:30.5	6.80	-73.12	147	1.4	0.5	139	12	LOS SANTOS (SANTANDER)
7132	Dic 8 2016	09:11:47.3	6.79	-73.15	148	1.5	0.5	100	11	LOS SANTOS (SANTANDER)
7133	Dic 8 2016	09:26: 4.8	5.24	-73.74	146	1.4	0.6	106	12	CUCUNUBA (CUNDINAMARCA)
7134	Dic 8 2016	09:40:13.7	5.40	-73.75	138	2.4	0.5	64	43	FUQUENE (CUNDINAMARCA)
7135	Dic 8 2016	10:45: 4.0	4.50	-74.70	Sup	1.1	0.1	235	7	JERUSALEN (CUNDINAMARCA)
7136	Dic 8 2016	10:52:41.3	6.86	-73.17	150	1.5	0.5	129	14	ZAPATOCA (SANTANDER)
7137	Dic 8 2016	11:13:40.6	5.60	-74.05	95	1.1	0.3	194	8	SAN PABLO DE BORBUR (BOYACA)
7138	Dic 8 2016	11:50:30.7	6.80	-73.13	144	1.8	0.6	240	19	LOS SANTOS (SANTANDER)
7139	Dic 8 2016	12:22:14.7	6.75	-73.18	144	1.7	0.4	229	12	VILLANUEVA (SANTANDER)
7140	Dic 8 2016	13:40: 3.6	10.91	-73.80	13	2.0	0.6	125	12	PUEBLO BELLO (CESAR)
7141	Dic 8 2016	14:20:46.6	6.56	-76.56	Sup	2.0	0.3	253	15	VIGIA DEL FUERTE (ANTIOQUIA)
7142	Dic 8 2016	14:23:46.3	6.80	-73.18	148	1.8	0.5	131	12	ZAPATOCA (SANTANDER)
7143	Dic 8 2016	14:28:30.0	2.37	-76.87	137	2.1	0.4	95	16	EL TAMBO (CAUCA)
7144	Dic 8 2016	14:29:48.9	4.45	-76.22	132	1.7	0.4	104	10	EL DOVIO (VALLE)
7145	Dic 8 2016	15:48:18.3	6.79	-73.15	142	2.3	0.4	136	25	LOS SANTOS (SANTANDER)
7146	Dic 8 2016	16:25:40.0	6.79	-73.18	148	1.3	0.1	143	7	ZAPATOCA (SANTANDER)
7147	Dic 8 2016	16:29:20.8	6.79	-73.17	148	1.5	0.1	143	8	LOS SANTOS (SANTANDER)
7148	Dic 8 2016	16:36:57.7	4.86	-76.24	82	0.9	0.2	130	6	EL CAIRO (VALLE)
7149	Dic 8 2016	16:55:44.5	5.25	-73.71	149	3.5	0.6	65	0	LENGUAZAUQUE (CUNDINAMARCA)
7150	Dic 8 2016	16:55:44.5	5.25	-73.71	149	3.5	0.6	65	67	LENGUAZAUQUE (CUNDINAMARCA)
7151	Dic 8 2016	17:04: 0.1	6.72	-73.16	148	1.6	0.3	138	12	VILLANUEVA (SANTANDER)
7152	Dic 8 2016	17:04:48.8	11.17	-72.55	75	1.5	0.3	160	8	MANAURE BALCON CESAR (CESAR)
7153	Dic 8 2016	17:19: 0.9	6.91	-74.70	29	1.5	0.3	158	12	REMEDIOS (ANTIOQUIA)
7154	Dic 8 2016	17:39:13.2	5.73	-73.04	Sup	1.3	0.5	137	10	TIBASOSA (BOYACA)
7155	Dic 8 2016	20:09:10.2	6.81	-73.16	135	1.5	0.5	133	16	LOS SANTOS (SANTANDER)
7156	Dic 8 2016	20:39:15.0	6.80	-73.11	152	1.6	0.5	140	15	LOS SANTOS (SANTANDER)
7157	Dic 8 2016	20:41: 1.5	6.55	-73.56	99	1.6	0.4	89	16	EL CARMEN (SANTANDER)
7158	Dic 8 2016	20:51:30.7	5.14	-76.41	74	1.5	0.4	213	10	TADO (CHOCO)
7159	Dic 8 2016	21:02:53.1	2.23	-75.52	22	1.4	0.6	182	8	GARZON (HUILA)
7160	Dic 8 2016	21:10:22.9	3.41	-74.58	Sup	2.1	0.5	114	26	COLOMBIA (HUILA)
7161	Dic 8 2016	21:14:52.8	6.75	-73.15	149	1.2	0.2	137	9	LOS SANTOS (SANTANDER)
7162	Dic 8 2016	22:39:41.9	6.69	-73.52	111	1.4	0.5	99	11	EL CARMEN (SANTANDER)
7163	Dic 8 2016	23:42:30.9	4.15	-78.11	59	2.0	0.6	220	19	O. PACIFICO CENTRO
7164	Dic 9 2016	01:00:31.2	6.80	-73.17	146	1.2	0.3	133	9	LOS SANTOS (SANTANDER)
7165	Dic 9 2016	02:16:35.9	5.48	-74.53	Sup	2.2	0.6	66	36	PUERTO SALGAR (CUNDINAMARCA)
7166	Dic 9 2016	03:00: 2.8	11.06	-73.79	22	1.6	0.2	147	10	PUEBLO BELLO (CESAR)
7167	Dic 9 2016	03:05:47.5	7.02	-76.05	Sup	0.8	0.5	137	7	PEQUE (ANTIOQUIA)
7168	Dic 9 2016	03:12: 1.5	6.69	-73.14	137	1.1	0.2	252	7	VILLANUEVA (SANTANDER)
7169	Dic 9 2016	03:56: 6.8	2.84	-75.78	Sup	2.0	0.4	63	24	SANTA MARIA (HUILA)
7170	Dic 9 2016	05:13:45.0	7.43	-75.11	21	2.1	0.5	144	22	ZARAGOZA (ANTIOQUIA)
7171	Dic 9 2016	05:21:23.5	6.70	-73.23	146	1.2	0.4	207	8	VILLANUEVA (SANTANDER)
7172	Dic 9 2016	05:40:38.7	6.85	-73.14	142	1.1	0.3	134	10	LOS SANTOS (SANTANDER)
7173	Dic 9 2016	05:46:17.1	6.79	-73.11	150	1.9	0.6	141	28	LOS SANTOS (SANTANDER)
7174	Dic 9 2016	06:05:45.3	6.75	-73.13	144	1.2	0.5	140	10	LOS SANTOS (SANTANDER)
7175	Dic 9 2016	06:10:51.8	6.72	-73.17	150	1.3	0.3	228	8	VILLANUEVA (SANTANDER)
7176	Dic 9 2016	06:22:31.1	6.67	-73.22	144	1.1	0.3	203	8	BARICHARA (SANTANDER)
7177	Dic 9 2016	07:01:14.4	3.51	-74.53	Sup	1.1	0.2	213	10	COLOMBIA (HUILA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7178	Dic 9 2016	07:06:13.9	6.71	-73.19	153	1.2	0.3	225	8	VILLANUEVA (SANTANDER)
7179	Dic 9 2016	07:18:46.5	5.95	-77.87	32	1.9	0.5	185	12	O. PACIFICO NORTE
7180	Dic 9 2016	07:28: 4.1	7.45	-74.70	47	1.3	0.4	179	10	ZARAGOZA (ANTIOQUIA)
7181	Dic 9 2016	07:43: 2.8	5.29	-73.78	139	1.0	0.2	127	7	UBATE (CUNDINAMARCA)
7182	Dic 9 2016	08:33:33.0	11.54	-73.62	98	1.7	0.2	207	8	MAR CARIBE
7183	Dic 9 2016	08:57:49.3	6.32	-73.61	100	1.1	0.4	109	9	SANTA HELENA DEL OPON (SANTANDER)
7184	Dic 9 2016	09:01: 5.9	6.80	-73.19	143	1.5	0.4	130	13	ZAPATOCA (SANTANDER)
7185	Dic 9 2016	09:32:58.6	6.79	-73.15	146	2.3	0.5	135	34	LOS SANTOS (SANTANDER)
7186	Dic 9 2016	09:52:52.8	7.51	-72.12	Sup	1.9	0.3	267	16	FRONTERA CON VENEZUELA
7187	Dic 9 2016	11:23:15.4	6.80	-73.12	145	1.9	0.4	139	16	LOS SANTOS (SANTANDER)
7188	Dic 9 2016	11:42:17.4	6.80	-72.24	Sup	2.1	0.5	169	13	CUBARA (BOYACA)
7189	Dic 9 2016	13:47:51.1	6.80	-73.15	143	1.8	0.7	135	12	LOS SANTOS (SANTANDER)
7190	Dic 9 2016	13:47:51.4	6.75	-73.14	141	1.8	0.5	138	12	LOS SANTOS (SANTANDER)
7191	Dic 9 2016	15:49:19.3	5.63	-76.64	22	1.9	0.7	138	13	QUIBDO (CHOCO)
7192	Dic 9 2016	16:27:18.8	6.81	-73.11	147	2.5	0.6	139	30	LOS SANTOS (SANTANDER)
7193	Dic 9 2016	17:12:42.1	6.80	-73.14	148	1.8	0.4	136	10	LOS SANTOS (SANTANDER)
7194	Dic 9 2016	17:45:34.8	5.89	-76.61	10	1.8	0.3	281	12	MEDIO ATRATO (CHOCO)
7195	Dic 9 2016	18:13:40.8	5.66	-73.59	Sup	1.2	0.2	249	8	SANTA SOFIA (BOYACA)
7196	Dic 9 2016	18:57: 5.3	5.61	-78.13	17	2.4	0.4	290	16	O. PACIFICO NORTE
7197	Dic 9 2016	19:09: 8.0	6.80	-73.11	145	2.4	0.5	140	30	LOS SANTOS (SANTANDER)
7198	Dic 9 2016	19:19:14.4	6.82	-73.09	143	2.4	0.4	142	20	LOS SANTOS (SANTANDER)
7199	Dic 9 2016	20:17:49.4	7.21	-73.06	Sup	1.4	0.5	262	8	RIONEGRO (SANTANDER)
7200	Dic 9 2016	22:19: 1.0	1.73	-76.05	26	1.1	0.5	174	9	PALESTINA (HUILA)
7201	Dic 9 2016	23:16: 1.6	6.50	-73.16	22	1.6	0.2	143	11	PINCHOTE (SANTANDER)
7202	Dic 10 2016	00:41:16.9	5.06	-76.56	64	1.0	0.2	274	9	CONDOTO (CHOCO)
7203	Dic 10 2016	01:01:33.8	6.79	-73.14	147	1.1	0.3	137	9	LOS SANTOS (SANTANDER)
7204	Dic 10 2016	01:07:20.9	6.61	-73.42	114	1.5	0.3	75	18	EL CARMEN (SANTANDER)
7205	Dic 10 2016	01:14:49.7	6.71	-76.63	13	1.7	0.5	194	20	VIGIA DEL FUERTE (ANTIOQUIA)
7206	Dic 10 2016	01:24:46.6	6.84	-73.13	122	1.0	0.3	243	8	LOS SANTOS (SANTANDER)
7207	Dic 10 2016	01:44:20.2	6.78	-73.15	144	2.0	0.4	136	24	LOS SANTOS (SANTANDER)
7208	Dic 10 2016	02:06:26.4	5.81	-72.29	8	2.0	0.5	136	20	TAMARA (CASANARE)
7209	Dic 10 2016	02:21:34.7	6.80	-73.16	139	0.8	0.2	236	7	LOS SANTOS (SANTANDER)
7210	Dic 10 2016	02:52:40.1	6.78	-73.13	145	2.1	0.4	66	32	LOS SANTOS (SANTANDER)
7211	Dic 10 2016	03:12:57.3	6.76	-73.20	143	1.0	0.2	239	7	ZAPATOCA (SANTANDER)
7212	Dic 10 2016	03:19:44.0	6.05	-75.74	89	0.9	0.3	194	8	AMAGA (ANTIOQUIA)
7213	Dic 10 2016	04:09:14.0	2.57	-77.67	81	2.3	0.4	76	34	TIMBIQUI (CAUCA)
7214	Dic 10 2016	04:53:14.3	6.77	-73.18	140	1.9	0.2	133	22	LOS SANTOS (SANTANDER)
7215	Dic 10 2016	04:58:15.4	5.75	-73.21	Sup	1.3	0.5	161	16	SOTAQUIRA (BOYACA)
7216	Dic 10 2016	05:16: 4.3	6.78	-73.14	147	1.4	0.4	137	12	LOS SANTOS (SANTANDER)
7217	Dic 10 2016	05:50:56.2	4.66	-75.83	32	1.8	0.5	81	16	ALCALA (VALLE)
7218	Dic 10 2016	05:54:36.9	6.78	-73.15	143	2.4	0.4	71	34	LOS SANTOS (SANTANDER)
7219	Dic 10 2016	06:17:41.8	6.80	-73.16	143	2.1	0.4	70	32	LOS SANTOS (SANTANDER)
7220	Dic 10 2016	06:46:57.3	11.86	-73.15	32	1.4	0.1	221	8	MAR CARIBE
7221	Dic 10 2016	07:18:13.1	6.74	-73.14	142	1.7	0.5	139	17	LOS SANTOS (SANTANDER)
7222	Dic 10 2016	07:20:30.4	6.77	-73.24	151	0.7	0.2	217	7	ZAPATOCA (SANTANDER)
7223	Dic 10 2016	07:48:43.4	5.29	-73.79	140	1.4	0.3	124	11	UBATE (CUNDINAMARCA)
7224	Dic 10 2016	07:52:30.2	6.80	-73.13	140	1.4	0.4	138	16	LOS SANTOS (SANTANDER)
7225	Dic 10 2016	08:20:29.3	2.44	-75.62	13	2.1	0.5	70	20	GIGANTE (HUILA)
7226	Dic 10 2016	08:28:58.2	6.78	-73.15	137	1.3	0.3	136	12	LOS SANTOS (SANTANDER)
7227	Dic 10 2016	08:47:28.7	6.70	-76.62	15	1.4	0.4	218	20	VIGIA DEL FUERTE (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7228	Dic 10 2016	08:49: 9.2	6.68	-73.15	146	1.0	0.2	239	8	VILLANUEVA (SANTANDER)
7229	Dic 10 2016	08:51:54.1	6.75	-73.17	130	1.0	0.4	240	8	LOS SANTOS (SANTANDER)
7230	Dic 10 2016	09:05:59.7	4.78	-74.67	Sup	0.6	0.4	248	7	BELTRAN (CUNDINAMARCA)
7231	Dic 10 2016	09:07:33.1	6.77	-73.19	149	1.2	0.2	230	12	ZAPATOCA (SANTANDER)
7232	Dic 10 2016	09:20:40.5	6.59	-73.46	113	0.9	0.5	149	8	EL CARMEN (SANTANDER)
7233	Dic 10 2016	09:22:54.7	6.79	-73.12	148	2.9	0.6	67	64	LOS SANTOS (SANTANDER)
7234	Dic 10 2016	11:38:51.9	2.36	-75.48	Sup	2.2	0.5	84	26	GIGANTE (HUILA)
7235	Dic 10 2016	12:01:21.5	6.77	-73.13	143	1.8	0.2	139	10	LOS SANTOS (SANTANDER)
7236	Dic 10 2016	14:33: 5.6	5.96	-73.81	109	1.6	0.4	149	12	SUCRE (SANTANDER)
7237	Dic 10 2016	14:43: 8.7	4.35	-73.83	7	2.4	0.4	85	29	QUETAME (CUNDINAMARCA)
7238	Dic 10 2016	14:57:42.7	8.78	-73.94	100	3.8	0.6	102	52	TAMALAMEQUE (CESAR)
7239	Dic 10 2016	17:58:56.9	7.24	-73.72	97	2.0	0.4	218	12	PUERTO WILCHES (SANTANDER)
7240	Dic 10 2016	18:45:20.0	6.81	-73.12	142	2.5	0.5	103	32	LOS SANTOS (SANTANDER)
7241	Dic 10 2016	19:21:32.4	6.67	-73.18	142	1.6	0.5	223	10	VILLANUEVA (SANTANDER)
7242	Dic 10 2016	19:27:25.3	6.74	-72.96	109	1.3	0.3	256	8	CEPITA (SANTANDER)
7243	Dic 10 2016	20:24:29.4	6.68	-73.19	143	1.6	0.2	223	8	VILLANUEVA (SANTANDER)
7244	Dic 10 2016	20:52:18.2	4.35	-73.77	Sup	2.0	0.8	71	21	EL CALVARIO (META)
7245	Dic 10 2016	20:54:58.6	3.11	-75.90	Sup	1.8	0.5	169	14	PLANADAS (TOLIMA)
7246	Dic 10 2016	21:44:47.6	4.75	-76.05	52	2.3	0.6	63	22	ANSERMANUEVO (VALLE)
7247	Dic 10 2016	23:16:29.2	7.49	-74.84	Sup	2.0	0.6	117	22	ZARAGOZA (ANTIOQUIA)
7248	Dic 10 2016	23:36:31.7	6.71	-73.17	142	1.5	0.6	227	12	VILLANUEVA (SANTANDER)
7249	Dic 10 2016	23:50:14.7	6.85	-73.14	152	4.0	0.6	65	0	LOS SANTOS (SANTANDER)
7250	Dic 10 2016	23:50:14.7	6.85	-73.14	152	4.0	0.6	65	76	LOS SANTOS (SANTANDER)
7251	Dic 10 2016	23:53:46.3	6.78	-73.16	147	1.6	0.4	234	8	LOS SANTOS (SANTANDER)
7252	Dic 10 2016	23:59:56.5	4.32	-73.77	Sup	1.7	0.6	72	14	EL CALVARIO (META)
7253	Dic 11 2016	00:29:49.4	7.18	-75.77	20	1.6	0.3	74	12	ITUANGO (ANTIOQUIA)
7254	Dic 11 2016	01:04: 9.0	10.86	-73.66	47	1.4	0.2	140	10	PUEBLO BELLO (CESAR)
7255	Dic 11 2016	01:49:21.9	5.27	-73.76	154	1.9	0.4	76	27	CUCUNUBA (CUNDINAMARCA)
7256	Dic 11 2016	01:53:59.8	6.84	-73.10	149	2.0	0.4	121	34	LOS SANTOS (SANTANDER)
7257	Dic 11 2016	01:58:19.5	6.67	-73.17	139	0.7	0.2	224	7	VILLANUEVA (SANTANDER)
7258	Dic 11 2016	03:07:45.5	5.51	-73.72	126	1.2	0.2	144	8	SAN MIGUEL DE SEMA (BOYACA)
7259	Dic 11 2016	03:13: 9.5	2.01	-75.90	Sup	0.5	0.3	130	8	ELIAS (HUILA)
7260	Dic 11 2016	03:16:29.2	6.73	-73.15	151	1.2	0.2	231	11	LOS SANTOS (SANTANDER)
7261	Dic 11 2016	03:28:34.2	6.77	-73.22	142	1.3	0.2	222	9	ZAPATOCA (SANTANDER)
7262	Dic 11 2016	03:37:52.0	3.74	-78.77	Sup	2.1	0.7	262	35	O. PACIFICO SUR
7263	Dic 11 2016	04:03:59.9	6.79	-73.12	151	1.9	0.4	221	31	LOS SANTOS (SANTANDER)
7264	Dic 11 2016	04:26:32.7	3.40	-74.88	7	1.6	0.7	218	24	ALPUJARRA (TOLIMA)
7265	Dic 11 2016	04:53:11.8	6.60	-73.13	150	0.9	0.1	225	7	SAN GIL (SANTANDER)
7266	Dic 11 2016	05:18:29.7	6.86	-76.56	8	2.0	0.4	233	23	MURINDO (ANTIOQUIA)
7267	Dic 11 2016	05:20: 7.6	4.68	-77.84	51	1.8	0.2	277	8	O. PACIFICO CENTRO
7268	Dic 11 2016	05:21:30.9	4.66	-77.80	53	1.2	0.1	272	8	O. PACIFICO CENTRO
7269	Dic 11 2016	05:55:12.8	7.41	-73.18	133	1.7	0.3	218	10	EL PLAYON (SANTANDER)
7270	Dic 11 2016	05:59:48.5	5.90	-73.60	123	1.2	0.4	96	14	BARBOSA (SANTANDER)
7271	Dic 11 2016	06:34:57.8	6.70	-73.19	140	1.4	0.5	224	13	VILLANUEVA (SANTANDER)
7272	Dic 11 2016	06:47:46.0	2.10	-75.68	10	1.8	0.5	95	16	GARZON (HUILA)
7273	Dic 11 2016	06:50:16.4	2.51	-75.39	10	1.9	0.5	92	20	ALGECIRAS (HUILA)
7274	Dic 11 2016	06:51: 1.5	1.96	-75.97	Sup	1.7	0.5	145	14	TIMANA (HUILA)
7275	Dic 11 2016	07:02: 5.7	6.77	-73.13	144	1.8	0.4	219	20	LOS SANTOS (SANTANDER)
7276	Dic 11 2016	07:20: 1.9	6.88	-73.02	142	1.3	0.3	255	10	PIEDRECUESTA (SANTANDER)
7277	Dic 11 2016	07:46: 0.3	6.77	-73.17	136	1.6	0.5	232	19	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7278	Dic 11 2016	08:30:58.8	6.75	-73.08	140	1.6	0.4	221	22	LOS SANTOS (SANTANDER)
7279	Dic 11 2016	09:05:26.8	6.69	-73.33	153	1.0	0.6	166	6	GALAN (SANTANDER)
7280	Dic 11 2016	09:34:27.5	6.78	-73.18	142	1.4	0.4	232	14	LOS SANTOS (SANTANDER)
7281	Dic 11 2016	09:36: 8.9	6.60	-73.49	115	0.4	0.1	117	8	EL CARMEN (SANTANDER)
7282	Dic 11 2016	10:17:52.8	6.79	-73.39	118	1.4	0.5	179	10	SAN VICENTE DE CHUCURI (SANTANDER)
7283	Dic 11 2016	10:32:44.7	4.53	-73.57	Sup	1.7	0.5	95	12	SAN JUANITO (META)
7284	Dic 11 2016	10:55:10.7	6.71	-73.16	148	1.4	0.3	229	8	VILLANUEVA (SANTANDER)
7285	Dic 11 2016	10:59: 8.2	6.74	-73.20	146	1.4	0.4	226	10	VILLANUEVA (SANTANDER)
7286	Dic 11 2016	11:18:21.7	6.74	-73.24	149	1.4	0.4	211	8	ZAPATOCA (SANTANDER)
7287	Dic 11 2016	11:20:16.1	6.72	-73.12	143	1.0	0.3	234	8	JORDAN (SANTANDER)
7288	Dic 11 2016	12:12:29.7	6.75	-73.18	139	1.1	0.3	230	8	LOS SANTOS (SANTANDER)
7289	Dic 11 2016	16:02: 5.2	6.75	-73.38	120	1.4	0.4	170	10	SAN VICENTE DE CHUCURI (SANTANDER)
7290	Dic 11 2016	16:44:31.5	6.76	-73.16	145	1.7	0.5	232	12	LOS SANTOS (SANTANDER)
7291	Dic 11 2016	16:51:13.7	6.77	-73.12	141	2.3	0.5	140	18	LOS SANTOS (SANTANDER)
7292	Dic 11 2016	19:18:47.4	6.75	-73.15	146	1.6	0.3	233	12	LOS SANTOS (SANTANDER)
7293	Dic 11 2016	20:49: 0.5	8.16	-73.66	15	1.8	0.5	250	16	AGUACHICA (CESAR)
7294	Dic 11 2016	22:29: 4.5	6.81	-73.13	143	2.2	0.6	73	32	LOS SANTOS (SANTANDER)
7295	Dic 11 2016	22:31:29.7	6.80	-73.14	142	2.3	0.5	101	26	LOS SANTOS (SANTANDER)
7296	Dic 11 2016	22:38:55.1	2.79	-76.15	Sup	0.6	0.5	200	8	JAMBALO (CAUCA)
7297	Dic 11 2016	22:51: 3.8	6.83	-73.17	144	2.2	0.6	132	29	ZAPATOCA (SANTANDER)
7298	Dic 11 2016	22:58:38.7	6.79	-73.18	144	1.4	0.2	241	7	LOS SANTOS (SANTANDER)
7299	Dic 11 2016	23:45:28.7	6.78	-73.15	148	2.3	0.3	99	27	LOS SANTOS (SANTANDER)
7300	Dic 12 2016	00:15:28.6	6.80	-73.10	146	1.5	0.3	141	15	LOS SANTOS (SANTANDER)
7301	Dic 12 2016	00:17:29.7	6.72	-73.16	148	0.9	0.3	230	7	VILLANUEVA (SANTANDER)
7302	Dic 12 2016	00:27: 5.7	6.31	-73.53	121	1.2	0.1	108	11	CONTRATACION (SANTANDER)
7303	Dic 12 2016	01:07:41.3	6.73	-73.20	152	1.2	0.2	226	8	VILLANUEVA (SANTANDER)
7304	Dic 12 2016	01:43:28.5	5.07	-75.62	120	2.9	0.7	58	65	PALESTINA (CALDAS)
7305	Dic 12 2016	01:53:52.3	4.77	-77.31	51	1.6	0.3	164	8	BAJO BAUDO (CHOCO)
7306	Dic 12 2016	02:02:48.4	6.73	-73.20	147	1.0	0.5	226	7	VILLANUEVA (SANTANDER)
7307	Dic 12 2016	02:04:19.7	6.74	-73.10	144	1.4	0.3	144	17	LOS SANTOS (SANTANDER)
7308	Dic 12 2016	02:30: 1.8	8.27	-72.04	Sup	2.7	0.7	212	42	FRONTERA CON VENEZUELA
7309	Dic 12 2016	02:46:20.8	4.00	-76.56	70	1.5	0.5	176	10	CALIMA (VALLE)
7310	Dic 12 2016	02:53: 4.0	6.82	-73.11	151	1.6	0.6	140	23	LOS SANTOS (SANTANDER)
7311	Dic 12 2016	03:18:23.4	6.78	-73.14	144	1.1	0.3	237	8	LOS SANTOS (SANTANDER)
7312	Dic 12 2016	03:39:28.8	6.79	-73.13	148	3.1	0.5	66	71	LOS SANTOS (SANTANDER)
7313	Dic 12 2016	03:42:52.6	3.38	-76.32	124	1.2	0.2	281	8	CANDELARIA (VALLE)
7314	Dic 12 2016	04:06:59.3	10.51	-73.25	91	1.4	0.1	190	10	LA PAZ (CESAR)
7315	Dic 12 2016	04:12:52.8	3.16	-76.15	151	1.7	0.5	79	23	CORINTO (CAUCA)
7316	Dic 12 2016	05:13: 6.9	6.27	-73.66	116	1.4	0.3	166	10	SANTA HELENA DEL OPO (SANTANDER)
7317	Dic 12 2016	05:21:15.5	6.77	-73.37	121	1.5	0.5	178	10	SAN VICENTE DE CHUCURI (SANTANDER)
7318	Dic 12 2016	05:28:39.7	6.76	-73.15	145	1.8	0.3	97	14	LOS SANTOS (SANTANDER)
7319	Dic 12 2016	06:31:29.9	6.75	-73.22	146	1.1	0.4	226	8	ZAPATOCA (SANTANDER)
7320	Dic 12 2016	07:01:14.5	6.70	-73.16	144	1.3	0.4	244	8	VILLANUEVA (SANTANDER)
7321	Dic 12 2016	07:29:32.2	5.58	-73.59	151	3.1	0.6	69	65	SUTAMARCHAN (BOYACA)
7322	Dic 12 2016	07:55:16.4	6.69	-73.15	144	1.0	0.4	248	8	VILLANUEVA (SANTANDER)
7323	Dic 12 2016	08:37: 3.2	6.79	-73.09	147	1.4	0.4	223	18	LOS SANTOS (SANTANDER)
7324	Dic 12 2016	08:53:41.9	6.77	-73.13	148	1.4	0.4	164	15	LOS SANTOS (SANTANDER)
7325	Dic 12 2016	08:58:15.2	6.82	-76.28	14	1.1	0.3	216	9	URAMITA (ANTIOQUIA)
7326	Dic 12 2016	09:00:21.4	6.68	-73.19	152	0.8	0.1	223	9	VILLANUEVA (SANTANDER)
7327	Dic 12 2016	09:06:41.8	4.37	-76.25	114	1.2	0.2	164	8	BOLIVAR (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
7328	Dic 12 2016	09:07:13.5	10.12	-74.09	24	1.4	0.3	95	11	ALGARROBO (MAGDALENA)
7329	Dic 12 2016	09:18:11.1	6.77	-73.17	149	1.0	0.3	233	9	LOS SANTOS (SANTANDER)
7330	Dic 12 2016	09:22:20.9	5.86	-73.93	98	0.9	0.2	234	10	LA BELLEZA (SANTANDER)
7331	Dic 12 2016	09:54:45.2	6.66	-73.15	151	1.2	0.1	256	8	VILLANUEVA (SANTANDER)
7332	Dic 12 2016	09:59: 5.2	4.60	-75.16	32	0.6	0.1	180	7	ANZOATEGUI (TOLIMA)
7333	Dic 12 2016	11:14:27.7	6.75	-73.19	144	1.4	0.5	229	10	VILLANUEVA (SANTANDER)
7334	Dic 12 2016	11:34:19.0	6.98	-73.24	130	1.5	0.5	244	7	BETULIA (SANTANDER)
7335	Dic 12 2016	11:46:23.5	4.70	-74.85	24	1.6	0.2	226	8	VENADILLO (TOLIMA)
7336	Dic 12 2016	11:47:36.8	6.72	-73.14	143	1.6	0.3	140	10	JORDAN (SANTANDER)
7337	Dic 12 2016	11:56: 3.1	2.00	-76.12	Sup	0.9	0.5	153	7	SALADOBLANCO (HUILA)
7338	Dic 12 2016	12:48:35.9	6.79	-73.15	140	1.9	0.3	100	15	LOS SANTOS (SANTANDER)
7339	Dic 12 2016	13:42:49.6	6.75	-73.21	149	1.5	0.5	226	8	ZAPATOCA (SANTANDER)
7340	Dic 12 2016	13:51:49.9	6.78	-73.16	145	1.9	0.5	135	14	LOS SANTOS (SANTANDER)
7341	Dic 12 2016	14:17:34.1	4.95	-78.01	68	1.8	0.5	305	8	O. PACIFICO CENTRO
7342	Dic 12 2016	15:19: 9.4	6.85	-73.16	130	1.5	0.5	131	9	LOS SANTOS (SANTANDER)
7343	Dic 12 2016	16:20:14.7	6.82	-73.12	142	2.6	0.5	138	30	LOS SANTOS (SANTANDER)
7344	Dic 12 2016	16:33:10.0	6.84	-73.31	121	1.6	0.3	108	14	ZAPATOCA (SANTANDER)
7345	Dic 12 2016	17:53:40.4	6.79	-73.15	144	2.4	0.4	101	29	LOS SANTOS (SANTANDER)
7346	Dic 12 2016	18:31:17.2	6.78	-73.10	144	1.4	0.2	143	8	LOS SANTOS (SANTANDER)
7347	Dic 12 2016	18:53:48.0	5.80	-74.26	19	1.6	0.5	136	15	OTANCHE (BOYACA)
7348	Dic 12 2016	19:50:21.5	2.62	-75.17	15	1.7	0.3	219	8	CAMPOALEGRE (HUILA)
7349	Dic 12 2016	19:50:49.3	6.77	-73.14	143	2.2	0.4	138	18	LOS SANTOS (SANTANDER)
7350	Dic 12 2016	20:38:15.6	6.89	-73.10	154	1.5	0.3	250	8	PIEDRECUESTA (SANTANDER)
7351	Dic 12 2016	21:07:42.6	6.77	-73.14	149	1.6	0.4	137	12	LOS SANTOS (SANTANDER)
7352	Dic 12 2016	21:39:18.2	6.79	-73.13	144	2.1	0.5	139	20	LOS SANTOS (SANTANDER)
7353	Dic 12 2016	22:36:10.0	6.80	-73.15	150	4.0	0.5	70	79	LOS SANTOS (SANTANDER)
7354	Dic 12 2016	22:39:12.0	6.78	-73.11	148	2.1	0.4	142	14	LOS SANTOS (SANTANDER)
7355	Dic 12 2016	22:54:40.1	5.56	-74.51	Sup	1.4	0.4	79	15	PUERTO SALGAR (CUNDINAMARCA)
7356	Dic 12 2016	22:59:16.3	6.77	-73.15	142	1.8	0.5	136	19	LOS SANTOS (SANTANDER)
7357	Dic 12 2016	23:55:13.6	1.95	-74.04	Sup	2.5	0.6	190	32	LA MACARENA (META)
7358	Dic 13 2016	00:21:17.1	6.53	-75.80	18	2.0	0.5	90	31	SANTA FE ANTIOQUIA (ANTIOQUIA)
7359	Dic 13 2016	00:40:47.8	1.83	-75.86	Sup	1.6	0.3	108	17	ACEVEDO (HUILA)
7360	Dic 13 2016	00:43:52.9	10.81	-72.64	Sup	1.9	0.2	175	8	FRONTERA CON VENEZUELA
7361	Dic 13 2016	00:50:26.6	6.80	-73.16	147	1.7	0.4	133	19	LOS SANTOS (SANTANDER)
7362	Dic 13 2016	01:49:31.0	6.76	-73.18	154	1.3	0.3	230	9	LOS SANTOS (SANTANDER)
7363	Dic 13 2016	02:13:48.6	10.32	-73.12	111	1.5	0.2	154	10	SAN DIEGO (CESAR)
7364	Dic 13 2016	02:38:58.0	5.02	-74.77	6	0.9	0.3	173	11	ARMERO (TOLIMA)
7365	Dic 13 2016	02:42:18.0	5.05	-74.83	9	1.2	0.3	97	21	ARMERO (TOLIMA)
7366	Dic 13 2016	03:09:50.1	6.80	-73.10	143	2.2	0.6	100	32	LOS SANTOS (SANTANDER)
7367	Dic 13 2016	03:54:41.9	6.55	-73.53	115	1.9	0.5	52	32	EL CARMEN (SANTANDER)
7368	Dic 13 2016	04:02:15.9	6.79	-73.06	145	1.4	0.2	246	10	LOS SANTOS (SANTANDER)
7369	Dic 13 2016	04:25:15.5	3.92	-76.24	126	1.7	0.3	135	16	BUGA (VALLE)
7370	Dic 13 2016	04:43:40.3	6.78	-73.41	127	1.4	0.3	173	8	SAN VICENTE DE CHUCURI (SANTANDER)
7371	Dic 13 2016	05:19:12.1	2.08	-75.71	Sup	1.1	0.4	106	12	ALTAMIRA (HUILA)
7372	Dic 13 2016	06:29:25.4	6.75	-73.19	154	1.1	0.3	229	8	VILLANUEVA (SANTANDER)
7373	Dic 13 2016	06:55: 9.3	6.78	-73.14	143	1.2	0.3	138	10	LOS SANTOS (SANTANDER)
7374	Dic 13 2016	07:23:34.5	5.56	-76.97	10	1.0	0.6	274	8	ALTO BAUDO (CHOCO)
7375	Dic 13 2016	07:29:26.3	6.79	-73.18	147	0.8	0.3	233	8	LOS SANTOS (SANTANDER)
7376	Dic 13 2016	07:37: 5.0	7.19	-76.22	Sup	2.3	0.6	229	40	DABEIBA (ANTIOQUIA)
7377	Dic 13 2016	07:41:53.4	6.82	-73.19	144	1.4	0.3	130	9	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
7378	Dic 13 2016	07:44:58.0	7.18	-76.26	Sup	1.7	0.5	243	16	MUTATA (ANTIOQUIA)
7379	Dic 13 2016	07:47: 8.7	7.19	-76.22	Sup	0.9	0.5	235	9	DABEIBA (ANTIOQUIA)
7380	Dic 13 2016	07:54:14.2	7.18	-76.25	Sup	1.5	0.4	242	11	DABEIBA (ANTIOQUIA)
7381	Dic 13 2016	08:02:10.0	7.25	-76.32	Sup	1.8	0.6	179	24	MUTATA (ANTIOQUIA)
7382	Dic 13 2016	08:18:39.0	5.23	-73.70	149	1.3	0.4	80	19	CUCUNUBA (CUNDINAMARCA)
7383	Dic 13 2016	08:38:43.4	7.17	-76.19	Sup	1.2	0.8	146	12	DABEIBA (ANTIOQUIA)
7384	Dic 13 2016	08:48:21.2	6.77	-73.07	147	1.6	0.3	126	25	LOS SANTOS (SANTANDER)
7385	Dic 13 2016	08:54:51.5	7.17	-76.21	Sup	1.7	0.5	154	17	DABEIBA (ANTIOQUIA)
7386	Dic 13 2016	08:57:34.1	7.18	-76.20	Sup	1.2	0.4	152	12	DABEIBA (ANTIOQUIA)
7387	Dic 13 2016	08:59:45.9	7.18	-76.24	Sup	1.6	0.5	165	13	DABEIBA (ANTIOQUIA)
7388	Dic 13 2016	09:00:28.8	7.19	-76.25	Sup	1.2	0.4	242	10	MUTATA (ANTIOQUIA)
7389	Dic 13 2016	09:26:18.2	7.12	-73.47	Sup	2.0	0.4	147	34	SAN VICENTE DE CHUCURI (SANTANDER)
7390	Dic 13 2016	09:59: 7.3	5.23	-76.71	6	1.5	0.3	161	16	ISTMINA (CHOCO)
7391	Dic 13 2016	09:59: 8.4	4.96	-76.74	25	1.8	0.3	129	7	NOVITA (CHOCO)
7392	Dic 13 2016	12:17: 0.7	5.94	-73.65	120	2.3	0.4	54	29	GUAVATA (SANTANDER)
7393	Dic 13 2016	12:54:56.8	6.75	-73.13	149	1.5	0.1	234	7	LOS SANTOS (SANTANDER)
7394	Dic 13 2016	13:06:15.1	7.61	-73.40	119	2.3	0.5	103	16	LA ESPERANZA (N.SANTANDER)
7395	Dic 13 2016	13:22:17.7	6.75	-73.16	143	1.4	0.3	232	8	LOS SANTOS (SANTANDER)
7396	Dic 13 2016	15:20:35.3	6.78	-73.14	148	2.2	0.5	137	14	LOS SANTOS (SANTANDER)
7397	Dic 13 2016	17:15:28.3	6.79	-73.17	145	3.2	0.5	70	54	LOS SANTOS (SANTANDER)
7398	Dic 13 2016	17:24:42.0	6.70	-73.13	141	1.7	0.4	142	12	JORDAN (SANTANDER)
7399	Dic 13 2016	18:33:29.5	6.76	-73.15	139	2.0	0.5	97	16	LOS SANTOS (SANTANDER)
7400	Dic 13 2016	18:55:41.3	5.41	-73.74	136	2.1	0.5	124	21	FUQUENE (CUNDINAMARCA)
7401	Dic 13 2016	19:15:25.6	5.55	-73.87	127	1.2	0.2	158	7	CALDAS (BOYACA)
7402	Dic 13 2016	20:17:16.0	7.96	-74.28	52	1.5	0.3	241	9	SANTA ROSA DEL SUR (BOLIVAR)
7403	Dic 13 2016	20:32:20.2	6.79	-73.12	154	4.1	0.5	67	0	LOS SANTOS (SANTANDER)
<u>7404</u>	<u>Dic 13 2016</u>	<u>20:32:20.2</u>	<u>6.79</u>	<u>-73.12</u>	<u>154</u>	<u>4.1</u>	<u>0.5</u>	<u>67</u>	<u>92</u>	<u>LOS SANTOS (SANTANDER)</u>
7405	Dic 13 2016	20:44:15.6	6.79	-73.13	145	1.9	0.4	238	16	LOS SANTOS (SANTANDER)
7406	Dic 13 2016	20:50: 0.2	7.39	-73.15	139	1.7	0.3	183	14	EL PLAYON (SANTANDER)
7407	Dic 13 2016	21:27: 2.6	6.77	-73.10	145	3.1	0.5	69	70	LOS SANTOS (SANTANDER)
7408	Dic 13 2016	22:32:11.4	6.78	-73.13	143	1.9	0.4	138	22	LOS SANTOS (SANTANDER)
7409	Dic 13 2016	23:35:32.2	5.26	-73.76	145	1.1	0.3	130	9	CUCUNUBA (CUNDINAMARCA)
7410	Dic 14 2016	00:14:29.3	3.42	-74.21	Sup	0.9	0.3	272	10	MESETAS (META)
7411	Dic 14 2016	01:23:15.5	6.70	-73.19	145	1.3	0.3	224	10	VILLANUEVA (SANTANDER)
7412	Dic 14 2016	01:41: 8.2	6.83	-73.16	146	2.3	0.5	69	44	LOS SANTOS (SANTANDER)
7413	Dic 14 2016	02:03:20.2	5.28	-73.76	149	1.7	0.5	75	28	CUCUNUBA (CUNDINAMARCA)
7414	Dic 14 2016	02:30:24.6	4.90	-73.64	Sup	2.3	0.6	85	38	GACHETA (CUNDINAMARCA)
7415	Dic 14 2016	02:33:36.6	6.78	-73.14	147	1.4	0.3	137	13	LOS SANTOS (SANTANDER)
7416	Dic 14 2016	02:50:37.0	6.81	-73.09	148	1.5	0.4	123	17	LOS SANTOS (SANTANDER)
7417	Dic 14 2016	03:29:13.7	5.61	-72.78	Sup	0.8	0.1	177	10	MONGUI (BOYACA)
7418	Dic 14 2016	05:05: 1.8	6.80	-73.13	146	2.0	0.5	138	33	LOS SANTOS (SANTANDER)
7419	Dic 14 2016	05:33:59.7	6.81	-73.12	147	1.5	0.4	139	22	LOS SANTOS (SANTANDER)
7420	Dic 14 2016	05:40: 1.0	6.70	-73.19	149	1.5	0.4	153	19	VILLANUEVA (SANTANDER)
7421	Dic 14 2016	05:40:10.3	2.39	-75.57	18	1.1	0.2	130	11	GIGANTE (HUILA)
7422	Dic 14 2016	05:52:50.0	6.73	-73.15	159	1.4	0.1	232	10	LOS SANTOS (SANTANDER)
7423	Dic 14 2016	06:06:49.2	7.38	-73.18	135	1.3	0.1	266	7	EL PLAYON (SANTANDER)
7424	Dic 14 2016	06:11:29.2	6.05	-73.87	95	0.6	0.2	208	10	EL PENON (SANTANDER)
7425	Dic 14 2016	06:21:47.9	6.78	-73.10	142	2.0	0.4	99	31	LOS SANTOS (SANTANDER)
7426	Dic 14 2016	06:24:20.4	6.78	-72.24	Sup	1.7	0.4	167	16	CUBARA (BOYACA)
7427	Dic 14 2016	06:26:16.8	6.78	-72.23	8	1.6	0.2	168	16	CUBARA (BOYACA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
7428	Dic 14 2016	06:30:41.9	7.05	-74.20	10	1.2	0.3	140	10	YONDO (ANTIOQUIA)
7429	Dic 14 2016	06:39:56.7	6.28	-73.27	147	1.9	0.5	67	28	OIBA (SANTANDER)
7430	Dic 14 2016	06:57:36.1	6.72	-73.13	139	1.1	0.4	142	11	JORDAN (SANTANDER)
7431	Dic 14 2016	07:17:47.2	6.79	-73.09	147	1.5	0.3	222	16	LOS SANTOS (SANTANDER)
7432	Dic 14 2016	07:19: 6.9	10.29	-72.93	132	2.1	0.4	150	23	MANAURE BALCON CESAR (CESAR)
7433	Dic 14 2016	07:43: 7.4	5.57	-76.24	54	1.4	0.2	215	14	BAGADO (CHOCO)
7434	Dic 14 2016	07:48:57.0	6.75	-73.17	147	1.1	0.3	230	10	LOS SANTOS (SANTANDER)
7435	Dic 14 2016	08:13:45.1	6.81	-73.19	146	1.0	0.3	234	8	ZAPATOCA (SANTANDER)
7436	Dic 14 2016	08:37:31.0	6.45	-73.72	104	0.9	0.2	145	10	SANTA HELENA DEL OPON (SANTANDER)
7437	Dic 14 2016	08:44:15.8	3.90	-76.34	119	0.8	0.1	260	7	BUGA (VALLE)
7438	Dic 14 2016	09:07: 5.6	6.72	-76.73	Sup	1.3	0.5	243	12	VIGIA DEL FUERTE (ANTIOQUIA)
7439	Dic 14 2016	09:30:43.2	6.77	-73.15	145	1.5	0.2	235	14	LOS SANTOS (SANTANDER)
7440	Dic 14 2016	09:34: 9.0	7.06	-73.32	126	0.5	0.3	237	7	LEBRIJA (SANTANDER)
7441	Dic 14 2016	10:02:12.6	6.72	-73.10	157	1.0	0.4	237	9	JORDAN (SANTANDER)
7442	Dic 14 2016	10:02:51.8	6.76	-73.19	145	1.2	0.4	229	10	LOS SANTOS (SANTANDER)
7443	Dic 14 2016	10:11:31.6	5.37	-78.26	32	2.0	0.3	252	17	O. PACIFICO CENTRO
7444	Dic 14 2016	10:34:31.6	1.91	-75.99	7	1.4	0.4	109	15	TIMANA (HUILA)
7445	Dic 14 2016	11:53:58.9	7.19	-76.22	Sup	2.2	0.4	238	11	DABEIBA (ANTIOQUIA)
7446	Dic 14 2016	13:05:13.5	1.88	-76.06	Sup	1.6	0.5	150	15	PITALITO (HUILA)
7447	Dic 14 2016	15:17: 4.9	6.81	-73.15	150	3.0	0.5	70	49	LOS SANTOS (SANTANDER)
7448	Dic 14 2016	15:29:51.9	6.79	-73.15	143	2.0	0.5	136	16	LOS SANTOS (SANTANDER)
7449	Dic 14 2016	15:58:42.7	7.69	-73.72	88	1.6	0.3	209	14	SAN PABLO (BOLIVAR)
7450	Dic 14 2016	16:19:16.9	7.03	-73.40	44	1.6	0.4	139	12	SAN VICENTE DE CHUCURI (SANTANDER)
7451	Dic 14 2016	16:36: 6.1	5.96	-74.19	Sup	1.7	0.4	242	8	LA BELLEZA (SANTANDER)
7452	Dic 14 2016	17:15:26.5	6.85	-73.15	138	1.2	0.2	147	7	LOS SANTOS (SANTANDER)
7453	Dic 14 2016	19:15:57.0	3.68	-77.05	58	1.9	0.3	156	12	BUENAVENTURA (VALLE)
7454	Dic 14 2016	21:25:39.2	4.20	-76.66	40	1.9	0.5	64	29	CALIMA (VALLE)
7455	Dic 14 2016	23:00: 5.1	6.78	-73.11	148	2.0	0.5	122	24	LOS SANTOS (SANTANDER)
7456	Dic 14 2016	23:38: 9.4	7.67	-74.64	41	1.9	0.4	185	14	EL BAGRE (ANTIOQUIA)
7457	Dic 15 2016	00:34:17.7	5.84	-74.81	Sup	1.6	0.4	87	22	PUERTO TRIUNFO (ANTIOQUIA)
7458	Dic 15 2016	00:37:43.7	6.79	-73.13	145	1.4	0.2	138	9	LOS SANTOS (SANTANDER)
7459	Dic 15 2016	01:43:16.2	11.75	-73.15	25	3.9	0.5	212	64	MAR CARIBE
7460	Dic 15 2016	02:15: 1.4	6.77	-73.19	146	1.1	0.2	132	7	LOS SANTOS (SANTANDER)
7461	Dic 15 2016	02:44:21.7	6.77	-73.17	150	1.2	0.3	134	10	LOS SANTOS (SANTANDER)
7462	Dic 15 2016	02:48:16.6	4.61	-75.90	17	1.8	0.6	92	18	OBANDO (VALLE)
7463	Dic 15 2016	02:59:18.1	6.78	-73.17	141	1.3	0.3	134	8	LOS SANTOS (SANTANDER)
7464	Dic 15 2016	03:00: 5.0	7.23	-72.16	12	1.3	0.1	234	10	CUBARA (BOYACA)
7465	Dic 15 2016	03:06:10.7	2.34	-75.63	Sup	0.9	0.4	109	9	GIGANTE (HUILA)
7466	Dic 15 2016	03:32:42.3	4.94	-76.04	111	2.7	0.5	96	62	EL AGUILA (VALLE)
7467	Dic 15 2016	04:14: 3.9	6.75	-73.13	139	1.3	0.3	140	10	LOS SANTOS (SANTANDER)
7468	Dic 15 2016	05:12:55.3	6.78	-73.11	137	1.8	0.5	98	30	LOS SANTOS (SANTANDER)
7469	Dic 15 2016	05:49:27.0	4.41	-76.02	136	0.9	0.2	116	9	ZARZAL (VALLE)
7470	Dic 15 2016	06:07:31.6	6.78	-73.08	144	1.5	0.4	125	17	LOS SANTOS (SANTANDER)
7471	Dic 15 2016	06:15:36.2	10.47	-73.36	21	1.6	0.2	149	12	LA PAZ (CESAR)
7472	Dic 15 2016	06:32:12.1	7.41	-73.19	127	1.6	0.2	186	12	EL PLAYON (SANTANDER)
7473	Dic 15 2016	06:49:35.3	4.37	-75.29	20	0.8	0.4	160	10	IBAGUE (TOLIMA)
7474	Dic 15 2016	06:57:22.9	6.47	-76.75	7	1.2	0.5	272	14	VIGIA DEL FUERTE (ANTIOQUIA)
7475	Dic 15 2016	06:59:26.9	2.50	-75.63	Sup	1.8	0.5	69	24	TESALIA (HUILA)
7476	Dic 15 2016	07:01: 4.7	2.51	-75.64	Sup	1.3	0.3	85	13	TESALIA (HUILA)
7477	Dic 15 2016	07:11:18.3	6.78	-73.13	149	1.2	0.3	139	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7478	Dic 15 2016	07:13: 8.9	5.94	-73.66	118	0.9	0.2	212	8	GUAVATA (SANTANDER)
7479	Dic 15 2016	07:44:56.8	6.74	-73.15	152	1.0	0.0	137	8	LOS SANTOS (SANTANDER)
7480	Dic 15 2016	07:50:30.6	5.30	-74.87	Sup	1.6	0.5	64	28	VICTORIA (CALDAS)
7481	Dic 15 2016	07:59:32.2	5.92	-73.78	113	1.1	0.2	85	13	SUCRE (SANTANDER)
7482	Dic 15 2016	09:02:41.7	6.77	-73.14	145	1.3	0.3	153	8	LOS SANTOS (SANTANDER)
7483	Dic 15 2016	09:08:47.1	6.80	-73.13	136	2.2	0.5	102	36	LOS SANTOS (SANTANDER)
7484	Dic 15 2016	10:33:55.0	6.74	-73.13	145	1.6	0.5	140	12	LOS SANTOS (SANTANDER)
7485	Dic 15 2016	11:05:38.2	6.76	-73.17	149	1.4	0.4	134	12	LOS SANTOS (SANTANDER)
7486	Dic 15 2016	11:36:56.0	6.97	-73.16	156	2.9	0.5	64	52	GIRON (SANTANDER)
7487	Dic 15 2016	12:11:57.3	6.79	-73.16	146	2.1	0.3	135	20	LOS SANTOS (SANTANDER)
7488	Dic 15 2016	13:11:36.4	6.77	-73.09	146	1.8	0.2	145	7	LOS SANTOS (SANTANDER)
7489	Dic 15 2016	13:50: 2.3	6.78	-73.16	144	1.8	0.4	135	16	LOS SANTOS (SANTANDER)
7490	Dic 15 2016	13:55:50.0	5.40	-77.58	31	2.8	0.5	264	14	O. PACIFICO CENTRO
7491	Dic 15 2016	15:11:56.3	2.51	-75.55	9	1.8	0.3	140	16	HOBO (HUILA)
7492	Dic 15 2016	15:36:39.2	5.64	-73.97	102	1.1	0.2	179	9	PAUNA (BOYACA)
7493	Dic 15 2016	15:42:23.6	6.80	-73.19	145	1.4	0.2	144	8	ZAPATOCA (SANTANDER)
7494	Dic 15 2016	15:43: 8.8	6.83	-73.20	138	1.6	0.3	148	9	ZAPATOCA (SANTANDER)
7495	Dic 15 2016	15:48:13.4	6.75	-73.19	142	1.5	0.2	140	8	VILLANUEVA (SANTANDER)
7496	Dic 15 2016	16:31:32.9	6.78	-73.18	142	1.3	0.1	142	8	LOS SANTOS (SANTANDER)
7497	Dic 15 2016	17:20:19.3	6.71	-73.05	143	1.6	0.2	152	8	ARATOCA (SANTANDER)
7498	Dic 15 2016	18:30:44.5	6.78	-73.14	145	2.1	0.5	137	24	LOS SANTOS (SANTANDER)
7499	Dic 15 2016	21:36:57.8	6.80	-73.14	156	1.7	0.4	137	12	LOS SANTOS (SANTANDER)
7500	Dic 15 2016	22:02:44.1	6.77	-73.14	144	1.4	0.4	138	10	LOS SANTOS (SANTANDER)
7501	Dic 15 2016	23:22:10.5	6.76	-73.12	139	2.0	0.4	122	22	LOS SANTOS (SANTANDER)
7502	Dic 16 2016	00:32: 1.2	5.85	-73.73	115	1.5	0.2	168	11	JESUS MARIA (SANTANDER)
7503	Dic 16 2016	00:42:37.0	6.57	-73.47	111	1.5	0.3	186	7	EL CARMEN (SANTANDER)
7504	Dic 16 2016	01:14:11.8	3.04	-74.61	Sup	1.6	0.5	163	15	URIBE (META)
7505	Dic 16 2016	01:34:32.4	6.77	-73.09	144	1.9	0.6	97	23	LOS SANTOS (SANTANDER)
7506	Dic 16 2016	02:10:36.5	7.06	-75.98	17	1.5	0.4	77	14	PEQUE (ANTIOQUIA)
7507	Dic 16 2016	03:39:56.2	4.70	-78.48	9	2.5	0.6	255	40	O. PACIFICO CENTRO
7508	Dic 16 2016	03:49:18.8	6.39	-73.41	122	1.3	0.3	97	14	CHIMA (SANTANDER)
7509	Dic 16 2016	04:02:34.5	6.75	-73.10	148	1.4	0.3	143	9	LOS SANTOS (SANTANDER)
7510	Dic 16 2016	04:52:12.2	3.87	-77.13	58	1.8	0.4	95	23	BUENAVENTURA (VALLE)
7511	Dic 16 2016	05:21:43.8	6.76	-73.09	138	1.5	0.3	144	17	LOS SANTOS (SANTANDER)
7512	Dic 16 2016	05:52:40.2	6.76	-73.18	150	1.1	0.2	231	8	LOS SANTOS (SANTANDER)
7513	Dic 16 2016	06:20:28.4	6.83	-73.15	147	1.3	0.4	134	17	LOS SANTOS (SANTANDER)
7514	Dic 16 2016	07:06: 5.6	6.79	-73.09	139	1.8	0.4	123	21	LOS SANTOS (SANTANDER)
7515	Dic 16 2016	07:11:11.1	6.77	-73.13	142	2.3	0.4	66	33	LOS SANTOS (SANTANDER)
7516	Dic 16 2016	07:11:56.6	3.83	-76.37	75	1.5	0.5	95	14	YOTOCO (VALLE)
7517	Dic 16 2016	07:34: 1.5	6.83	-73.12	147	1.0	0.2	137	10	LOS SANTOS (SANTANDER)
7518	Dic 16 2016	07:50:41.9	6.77	-73.15	148	1.1	0.2	136	10	LOS SANTOS (SANTANDER)
7519	Dic 16 2016	08:08:58.3	7.37	-73.20	132	1.1	0.3	179	9	EL PLAYON (SANTANDER)
7520	Dic 16 2016	08:32:17.5	3.38	-74.79	Sup	1.4	0.4	170	11	COLOMBIA (HUILA)
7521	Dic 16 2016	09:06:40.8	6.79	-73.13	149	1.2	0.2	138	11	LOS SANTOS (SANTANDER)
7522	Dic 16 2016	09:33:43.5	6.74	-73.60	108	1.1	0.3	160	8	EL CARMEN (SANTANDER)
7523	Dic 16 2016	09:45:52.0	6.79	-73.16	145	1.3	0.2	134	9	LOS SANTOS (SANTANDER)
7524	Dic 16 2016	09:46: 5.7	6.79	-73.10	144	1.6	0.2	142	10	LOS SANTOS (SANTANDER)
7525	Dic 16 2016	10:04:33.4	7.34	-73.11	11	0.9	0.3	212	8	RIONEGRO (SANTANDER)
7526	Dic 16 2016	10:12:32.1	2.45	-75.59	7	1.7	0.4	86	16	GIGANTE (HUILA)
7527	Dic 16 2016	10:19: 3.8	7.04	-73.68	113	0.9	0.3	196	7	BARRANCABERMEJA (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7528	Dic 16 2016	10:20:31.5	6.75	-73.17	132	0.9	0.3	138	8	LOS SANTOS (SANTANDER)
7529	Dic 16 2016	12:28:39.4	6.77	-73.11	154	2.2	0.5	123	39	LOS SANTOS (SANTANDER)
7530	Dic 16 2016	13:34:23.4	6.78	-73.17	142	1.4	0.0	141	13	LOS SANTOS (SANTANDER)
7531	Dic 16 2016	14:22:32.9	5.27	-73.75	149	1.3	0.5	131	8	CUCUNUBA (CUNDINAMARCA)
7532	Dic 16 2016	14:45:44.7	6.77	-73.15	145	2.9	0.5	98	22	LOS SANTOS (SANTANDER)
7533	Dic 16 2016	14:51:13.6	6.75	-73.22	145	1.3	0.3	141	8	ZAPATOCA (SANTANDER)
7534	Dic 16 2016	17:30:15.1	4.79	-76.16	115	1.7	0.3	122	10	EL CAIRO (VALLE)
7535	Dic 16 2016	17:39:10.4	6.27	-73.58	117	1.8	0.3	160	10	SANTA HELENA DEL OPON (SANTANDER)
7536	Dic 16 2016	17:59:11.5	6.79	-73.10	144	2.2	0.5	142	26	LOS SANTOS (SANTANDER)
<u>7537</u>	<u>Dic 16 2016</u>	<u>19:45:18.3</u>	<u>3.43</u>	<u>-74.64</u>	<u>Sup</u>	<u>4.1</u>	<u>0.8</u>	<u>61</u>	<u>0</u>	<u>COLOMBIA (HUILA)</u>
<u>7538</u>	<u>Dic 16 2016</u>	<u>19:45:18.3</u>	<u>3.43</u>	<u>-74.64</u>	<u>0</u>	<u>4.1</u>	<u>0.8</u>	<u>61</u>	<u>81</u>	<u>COLOMBIA (HUILA)</u>
7539	Dic 16 2016	20:07:13.7	3.68	-77.01	Sup	1.7	0.3	151	8	BUENAVENTURA (VALLE)
7540	Dic 16 2016	20:36:33.9	6.78	-73.14	149	1.9	0.5	137	15	LOS SANTOS (SANTANDER)
7541	Dic 16 2016	21:25:53.9	4.42	-76.13	106	2.8	0.4	49	38	ROLDANILO (VALLE)
7542	Dic 16 2016	21:45:20.0	6.81	-73.16	146	3.0	0.5	70	50	LOS SANTOS (SANTANDER)
7543	Dic 16 2016	21:48: 2.7	6.79	-73.14	141	2.7	0.4	100	42	LOS SANTOS (SANTANDER)
7544	Dic 16 2016	21:56:30.0	7.06	-73.79	32	1.1	0.3	188	8	BARRANCABERMEJA (SANTANDER)
7545	Dic 16 2016	23:05:13.1	6.80	-73.13	135	1.9	0.4	138	17	LOS SANTOS (SANTANDER)
7546	Dic 16 2016	23:41:29.2	6.71	-73.14	148	1.7	0.4	140	12	JORDAN (SANTANDER)
7547	Dic 17 2016	00:17:15.8	6.17	-73.83	97	1.2	0.2	124	10	LANDAZURI (SANTANDER)
7548	Dic 17 2016	00:42:42.0	6.80	-73.13	149	1.6	0.3	138	19	LOS SANTOS (SANTANDER)
7549	Dic 17 2016	01:03: 2.5	6.49	-73.61	113	1.2	0.2	135	10	SANTA HELENA DEL OPON (SANTANDER)
7550	Dic 17 2016	01:04:56.1	4.69	-76.08	127	1.4	0.3	116	14	ARGELIA (VALLE)
7551	Dic 17 2016	01:06:31.3	6.52	-73.61	111	1.4	0.2	132	8	SANTA HELENA DEL OPON (SANTANDER)
7552	Dic 17 2016	01:34:25.0	6.02	-73.73	122	1.7	0.1	79	20	BOLIVAR (SANTANDER)
<u>7553</u>	<u>Dic 17 2016</u>	<u>01:38:22.3</u>	<u>3.86</u>	<u>-76.29</u>	<u>145</u>	<u>3.5</u>	<u>0.6</u>	<u>38</u>	<u>90</u>	<u>BUGA (VALLE)</u>
7554	Dic 17 2016	02:31: 6.4	6.08	-73.48	132	1.4	0.3	85	14	SANTANA (BOYACA)
7555	Dic 17 2016	02:47:47.3	6.79	-73.14	147	1.5	0.4	137	12	LOS SANTOS (SANTANDER)
7556	Dic 17 2016	03:07: 0.2	6.82	-73.22	143	1.1	0.2	124	9	ZAPATOCA (SANTANDER)
7557	Dic 17 2016	03:29:11.3	6.86	-74.47	14	1.5	0.4	121	14	REMEDIOS (ANTIOQUIA)
7558	Dic 17 2016	04:00:27.0	3.94	-75.48	8	1.0	0.1	96	7	SAN ANTONIO (TOLIMA)
7559	Dic 17 2016	04:29:38.6	3.77	-77.01	18	1.6	0.6	119	20	BUENAVENTURA (VALLE)
7560	Dic 17 2016	04:52:33.0	2.36	-75.63	Sup	1.7	0.4	83	17	GIGANTE (HUILA)
7561	Dic 17 2016	05:33:43.8	5.85	-74.29	8	1.9	0.5	76	26	OTANCHE (BOYACA)
7562	Dic 17 2016	05:50: 2.2	6.93	-74.46	Sup	1.3	0.3	146	8	REMEDIOS (ANTIOQUIA)
7563	Dic 17 2016	06:10:47.7	6.82	-73.17	148	1.3	0.2	132	10	LOS SANTOS (SANTANDER)
7564	Dic 17 2016	06:17: 8.3	5.26	-73.67	145	1.7	0.4	67	28	LENGUAZQUE (CUNDINAMARCA)
7565	Dic 17 2016	06:27:23.1	6.80	-73.13	139	2.2	0.4	101	28	LOS SANTOS (SANTANDER)
7566	Dic 17 2016	06:55:31.5	6.85	-76.16	Sup	1.6	0.3	163	14	URAMITA (ANTIOQUIA)
7567	Dic 17 2016	07:04:54.9	7.23	-76.14	11	1.2	0.5	213	9	DABEIBA (ANTIOQUIA)
7568	Dic 17 2016	07:46: 8.7	5.95	-73.85	103	0.9	0.2	220	10	SUCRE (SANTANDER)
7569	Dic 17 2016	07:57:26.6	3.71	-76.75	77	1.5	0.3	122	21	DAGUA (VALLE)
7570	Dic 17 2016	08:31:22.9	3.69	-76.84	18	0.8	0.6	132	8	DAGUA (VALLE)
7571	Dic 17 2016	09:12: 3.3	6.77	-73.16	144	1.3	0.3	136	12	LOS SANTOS (SANTANDER)
7572	Dic 17 2016	09:13:36.5	6.80	-73.07	152	1.0	0.2	145	10	LOS SANTOS (SANTANDER)
7573	Dic 17 2016	09:23:32.6	6.15	-73.64	114	1.0	0.3	68	15	LA PAZ (SANTANDER)
7574	Dic 17 2016	10:14:36.7	6.81	-76.19	Sup	1.6	0.5	188	16	FRONTINO (ANTIOQUIA)
7575	Dic 17 2016	10:34: 7.1	1.95	-75.89	Sup	1.6	0.3	138	10	TIMANA (HUILA)
7576	Dic 17 2016	11:15:40.6	7.00	-76.61	16	1.6	0.2	211	7	MURINDO (ANTIOQUIA)
7577	Dic 17 2016	11:48:56.3	7.36	-73.23	126	2.0	0.3	179	20	EL PLAYON (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7578	Dic 17 2016	11:55:28.3	6.76	-73.18	126	1.2	0.2	140	8	LOS SANTOS (SANTANDER)
7579	Dic 17 2016	12:01:49.6	6.77	-73.16	141	1.3	0.1	242	7	LOS SANTOS (SANTANDER)
7580	Dic 17 2016	14:12:27.1	6.82	-73.26	142	1.7	0.3	115	11	ZAPATOCA (SANTANDER)
7581	Dic 17 2016	15:27:58.2	4.33	-73.80	Sup	2.2	0.6	128	24	QUETAME (CUNDINAMARCA)
7582	Dic 17 2016	16:01:29.2	6.76	-73.22	131	1.6	0.3	143	10	ZAPATOCA (SANTANDER)
7583	Dic 17 2016	16:17:31.1	6.84	-73.43	110	1.7	0.3	102	14	SAN VICENTE DE CHUCURI (SANTANDER)
7584	Dic 17 2016	17:05:46.7	6.56	-73.52	118	1.5	0.3	87	16	EL CARMEN (SANTANDER)
7585	Dic 17 2016	17:15:28.8	4.62	-77.44	Sup	2.1	0.3	204	19	O. PACIFICO CENTRO
7586	Dic 17 2016	17:48:14.5	6.71	-73.20	154	1.2	0.3	130	10	VILLANUEVA (SANTANDER)
7587	Dic 17 2016	17:54:21.9	6.30	-73.44	121	1.6	0.4	102	16	CONTRATACION (SANTANDER)
7588	Dic 17 2016	18:11:18.3	5.05	-76.00	112	1.4	0.4	192	9	SANTUARIO (RISARALDA)
7589	Dic 17 2016	18:22:47.3	6.83	-73.19	116	1.6	0.6	106	18	ZAPATOCA (SANTANDER)
7590	Dic 17 2016	18:35:26.5	2.58	-73.76	52	1.9	0.3	179	25	LA MACARENA (META)
7591	Dic 17 2016	18:46:44.8	6.81	-73.13	143	2.5	0.4	71	41	LOS SANTOS (SANTANDER)
7592	Dic 17 2016	18:58:26.1	6.82	-73.11	144	1.7	0.4	247	14	LOS SANTOS (SANTANDER)
7593	Dic 17 2016	19:14:25.1	3.34	-76.62	71	2.4	0.3	115	29	JAMUNDI (VALLE)
7594	Dic 17 2016	19:15:18.4	6.66	-76.72	Sup	3.2	0.7	73	70	VIGIA DEL FUERTE (ANTIOQUIA)
7595	Dic 17 2016	19:25:49.4	6.75	-73.04	135	1.4	0.2	152	14	JORDAN (SANTANDER)
7596	Dic 17 2016	19:41:59.9	6.75	-73.10	136	1.5	0.3	143	20	LOS SANTOS (SANTANDER)
7597	Dic 17 2016	21:04:38.0	6.79	-73.13	142	1.6	0.5	138	13	LOS SANTOS (SANTANDER)
7598	Dic 17 2016	21:18:48.8	6.81	-73.13	149	1.4	0.3	138	9	LOS SANTOS (SANTANDER)
7599	Dic 17 2016	21:37:14.7	7.18	-75.70	32	1.7	0.4	126	11	ITUANGO (ANTIOQUIA)
7600	Dic 17 2016	22:03:16.8	6.69	-73.52	112	1.6	0.4	77	14	EL CARMEN (SANTANDER)
7601	Dic 17 2016	22:44:10.7	6.79	-73.16	142	2.8	0.4	64	46	LOS SANTOS (SANTANDER)
7602	Dic 17 2016	22:45:51.0	6.05	-74.27	15	1.8	0.5	125	10	PUERTO BOYACA (BOYACA)
7603	Dic 17 2016	23:15:41.2	5.71	-72.30	11	1.6	0.3	138	11	NUNCHIA (CASANARE)
7604	Dic 17 2016	23:21:58.0	7.10	-77.26	20	1.7	0.4	140	8	RIOSUCIO (CHOCO)
7605	Dic 17 2016	23:22:41.1	6.77	-73.11	144	1.9	0.4	122	26	LOS SANTOS (SANTANDER)
7606	Dic 17 2016	23:32:54.1	6.80	-73.16	146	3.1	0.4	68	65	LOS SANTOS (SANTANDER)
7607	Dic 18 2016	00:24:41.8	4.70	-76.82	23	1.2	0.4	134	12	SIPI (CHOCO)
7608	Dic 18 2016	00:28:38.9	2.43	-75.42	17	2.4	0.4	95	26	GIGANTE (HUILA)
7609	Dic 18 2016	00:38:42.2	2.38	-75.43	26	1.5	0.4	188	10	GIGANTE (HUILA)
7610	Dic 18 2016	00:44:43.6	6.77	-73.25	130	1.5	0.3	114	13	ZAPATOCA (SANTANDER)
7611	Dic 18 2016	00:49:30.4	6.76	-73.15	145	1.1	0.3	137	8	LOS SANTOS (SANTANDER)
7612	Dic 18 2016	00:50:57.8	3.79	-76.35	109	1.4	0.4	175	11	GUACARI (VALLE)
7613	Dic 18 2016	01:06:46.8	3.94	-76.23	110	1.0	0.1	106	8	SAN PEDRO (VALLE)
7614	Dic 18 2016	01:25:52.9	6.72	-73.14	149	1.8	0.3	92	21	JORDAN (SANTANDER)
7615	Dic 18 2016	01:27:30.0	6.73	-73.16	140	1.6	0.2	137	12	LOS SANTOS (SANTANDER)
7616	Dic 18 2016	01:53:52.7	4.50	-76.15	Sup	1.2	0.2	143	10	LA UNION (VALLE)
7617	Dic 18 2016	02:02:54.9	4.83	-76.26	101	3.1	0.5	71	58	EL CAIRO (VALLE)
7618	Dic 18 2016	02:34:42.4	6.76	-73.16	124	1.2	0.3	135	12	LOS SANTOS (SANTANDER)
7619	Dic 18 2016	04:20:18.5	7.23	-75.24	7	1.1	0.4	122	9	ANORI (ANTIOQUIA)
7620	Dic 18 2016	04:41:35.4	6.85	-73.14	138	1.1	0.4	134	12	LOS SANTOS (SANTANDER)
7621	Dic 18 2016	05:22:37.0	3.89	-76.23	121	1.2	0.3	159	10	BUGA (VALLE)
7622	Dic 18 2016	05:47:38.9	6.95	-77.12	13	1.5	0.2	152	7	MURINDO (ANTIOQUIA)
7623	Dic 18 2016	05:55:34.5	6.78	-73.19	148	1.4	0.4	132	12	ZAPATOCA (SANTANDER)
7624	Dic 18 2016	06:32:25.7	6.75	-73.15	151	0.9	0.2	232	8	LOS SANTOS (SANTANDER)
7625	Dic 18 2016	06:33:36.6	6.81	-73.15	141	1.4	0.2	134	19	LOS SANTOS (SANTANDER)
7626	Dic 18 2016	06:47:47.4	6.74	-73.19	149	1.1	0.4	228	12	VILLANUEVA (SANTANDER)
7627	Dic 18 2016	06:54:43.9	6.76	-73.13	149	1.2	0.1	236	12	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7628	Dic 18 2016	07:05:17.8	4.88	-74.42	Sup	1.4	0.5	60	25	ALBAN (CUNDINAMARCA)
7629	Dic 18 2016	07:07:47.1	5.57	-74.06	105	1.3	0.1	109	14	MUZO (BOYACA)
7630	Dic 18 2016	07:10: 2.4	4.85	-74.41	Sup	1.0	0.5	125	13	ALBAN (CUNDINAMARCA)
7631	Dic 18 2016	07:11:55.9	10.49	-72.61	Sup	1.5	0.2	194	10	FRONTERA CON VENEZUELA
7632	Dic 18 2016	07:14:23.7	10.42	-73.54	Sup	1.0	0.4	109	11	PUEBLO BELLO (CESAR)
7633	Dic 18 2016	07:53:48.0	6.64	-73.56	105	0.4	0.4	117	9	EL CARMEN (SANTANDER)
7634	Dic 18 2016	08:14: 7.2	10.20	-73.17	22	2.1	0.3	154	11	SAN DIEGO (CESAR)
7635	Dic 18 2016	08:25:12.1	3.65	-76.98	99	1.4	0.4	150	14	BUENAVENTURA (VALLE)
7636	Dic 18 2016	08:34:10.0	5.28	-73.75	145	1.4	0.4	76	26	CUCUNUBA (CUNDINAMARCA)
7637	Dic 18 2016	09:15:34.0	6.88	-73.28	122	1.1	0.2	222	7	BETULIA (SANTANDER)
7638	Dic 18 2016	09:17:49.9	6.68	-73.11	135	1.2	0.4	232	10	JORDAN (SANTANDER)
7639	Dic 18 2016	09:22: 8.1	7.29	-76.01	64	1.0	0.2	192	8	ITUANGO (ANTIOQUIA)
7640	Dic 18 2016	09:50:52.3	6.81	-73.16	146	1.2	0.3	237	10	LOS SANTOS (SANTANDER)
7641	Dic 18 2016	09:59:26.5	6.71	-73.21	150	1.1	0.3	216	10	VILLANUEVA (SANTANDER)
7642	Dic 18 2016	10:03:42.7	10.60	-74.06	27	1.9	0.4	107	12	ALGARROBO (MAGDALENA)
7643	Dic 18 2016	10:27:49.7	3.63	-74.30	Sup	1.6	0.5	133	18	LEJANIAS (META)
7644	Dic 18 2016	10:43:48.4	4.45	-75.01	Sup	2.4	0.6	49	42	ALVARADO (TOLIMA)
7645	Dic 18 2016	12:20:52.0	6.74	-73.19	134	1.4	0.4	227	9	VILLANUEVA (SANTANDER)
7646	Dic 18 2016	12:45:34.6	4.86	-76.30	100	1.9	0.3	146	18	SAN JOSE DEL PALMAR (CHOCO)
7647	Dic 18 2016	12:50: 4.5	6.97	-76.70	Sup	3.8	0.7	144	80	MURINDO (ANTIOQUIA)
7648	Dic 18 2016	14:50:13.3	5.26	-73.72	146	2.4	0.5	65	44	LENGUAZAQUE (CUNDINAMARCA)
7649	Dic 18 2016	15:15:23.9	6.79	-73.11	141	2.0	0.4	141	20	LOS SANTOS (SANTANDER)
7650	Dic 18 2016	19:33: 8.5	6.79	-73.14	146	1.6	0.4	138	14	LOS SANTOS (SANTANDER)
7651	Dic 18 2016	19:59:10.0	6.82	-73.13	144	1.7	0.5	136	17	LOS SANTOS (SANTANDER)
7652	Dic 18 2016	21:05: 0.0	6.79	-73.16	149	1.4	0.4	134	8	LOS SANTOS (SANTANDER)
7653	Dic 18 2016	21:45:26.6	6.77	-73.13	148	1.6	0.3	139	10	LOS SANTOS (SANTANDER)
7654	Dic 18 2016	21:56: 8.9	8.70	-73.73	97	1.9	0.3	193	14	PELAYA (CESAR)
7655	Dic 18 2016	23:01:36.0	5.27	-73.73	150	2.5	0.7	77	30	LENGUAZAQUE (CUNDINAMARCA)
7656	Dic 18 2016	23:39:43.0	7.25	-73.81	88	1.2	0.2	222	7	PUERTO WILCHES (SANTANDER)
7657	Dic 19 2016	00:05:38.3	4.60	-76.35	103	2.3	0.6	188	20	EL DOVIO (VALLE)
7658	Dic 19 2016	00:39:30.0	4.45	-75.96	32	0.9	0.4	105	9	LA VICTORIA (VALLE)
7659	Dic 19 2016	00:44:10.4	6.87	-76.27	Sup	1.8	0.7	163	18	URAMITA (ANTIOQUIA)
7660	Dic 19 2016	00:53:49.7	6.81	-73.15	147	1.7	0.4	134	17	LOS SANTOS (SANTANDER)
7661	Dic 19 2016	01:00:17.7	7.18	-76.20	Sup	1.4	0.5	149	12	DABEIBA (ANTIOQUIA)
7662	Dic 19 2016	02:01:40.4	5.28	-73.71	147	2.3	0.6	65	36	LENGUAZAQUE (CUNDINAMARCA)
7663	Dic 19 2016	02:45: 8.0	6.84	-73.42	121	1.1	0.4	184	6	SAN VICENTE DE CHUCURI (SANTANDER)
7664	Dic 19 2016	02:51:18.5	6.80	-73.13	146	1.7	0.6	138	17	LOS SANTOS (SANTANDER)
7665	Dic 19 2016	03:50:37.6	6.70	-73.16	149	1.1	0.4	228	8	VILLANUEVA (SANTANDER)
7666	Dic 19 2016	04:18:44.0	7.44	-73.19	132	1.4	0.3	190	10	EL PLAYON (SANTANDER)
7667	Dic 19 2016	04:33:10.9	6.80	-73.38	120	1.3	0.3	184	9	SAN VICENTE DE CHUCURI (SANTANDER)
7668	Dic 19 2016	04:57:29.3	3.89	-76.18	105	2.5	0.5	72	34	SAN PEDRO (VALLE)
7669	Dic 19 2016	05:02:38.6	7.22	-76.21	Sup	1.0	0.5	152	8	MUTATA (ANTIOQUIA)
7670	Dic 19 2016	05:39:50.6	5.26	-72.85	Sup	1.9	0.6	104	15	CHAMEZA (CASANARE)
7671	Dic 19 2016	06:15:16.6	6.71	-73.19	160	1.2	0.5	226	10	VILLANUEVA (SANTANDER)
7672	Dic 19 2016	06:21: 4.6	6.72	-73.18	146	1.0	0.3	228	8	VILLANUEVA (SANTANDER)
7673	Dic 19 2016	07:04:22.3	6.71	-73.16	142	1.1	0.2	239	7	VILLANUEVA (SANTANDER)
7674	Dic 19 2016	07:25:20.4	5.66	-74.01	112	2.1	0.5	89	26	PAUNA (BOYACA)
7675	Dic 19 2016	07:26:55.2	6.76	-73.15	139	1.4	0.3	137	9	LOS SANTOS (SANTANDER)
7676	Dic 19 2016	07:39:11.3	6.83	-73.18	146	1.2	0.5	237	10	ZAPATOCA (SANTANDER)
7677	Dic 19 2016	08:15: 4.2	6.29	-73.65	107	1.1	0.3	162	10	SANTA HELENA DEL OPO (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
7678	Dic 19 2016	08:29:50.7	6.79	-73.13	151	3.3	0.8	67	70	LOS SANTOS (SANTANDER)
7679	Dic 19 2016	08:53: 4.8	6.93	-76.57	Sup	1.7	0.5	208	15	MURINDO (ANTIOQUIA)
7680	Dic 19 2016	09:02:41.1	6.75	-73.06	157	1.4	0.6	149	14	LOS SANTOS (SANTANDER)
7681	Dic 19 2016	09:29:53.2	6.84	-73.34	117	1.1	0.4	106	10	ZAPATOCA (SANTANDER)
7682	Dic 19 2016	09:36:51.2	6.92	-76.60	Sup	1.5	0.6	211	16	MURINDO (ANTIOQUIA)
7683	Dic 19 2016	09:55:19.6	6.88	-76.57	18	1.1	0.4	259	8	MURINDO (ANTIOQUIA)
7684	Dic 19 2016	10:24:20.4	6.82	-73.12	149	4.4	0.5	67	0	LOS SANTOS (SANTANDER)
<u>7685</u>	<u>Dic 19 2016</u>	<u>10:24:20.4</u>	<u>6.82</u>	<u>-73.12</u>	<u>149</u>	<u>4.4</u>	<u>0.5</u>	<u>67</u>	<u>108</u>	<u>LOS SANTOS (SANTANDER)</u>
7686	Dic 19 2016	10:35:20.2	6.79	-73.14	153	1.4	0.4	137	15	LOS SANTOS (SANTANDER)
7687	Dic 19 2016	10:43:49.0	7.05	-77.05	17	1.5	0.6	187	18	MURINDO (ANTIOQUIA)
7688	Dic 19 2016	11:10:31.1	6.86	-73.34	120	1.1	0.3	110	12	SAN VICENTE DE CHUCURI (SANTANDER)
7689	Dic 19 2016	11:21: 2.2	6.72	-73.23	145	1.2	0.4	211	9	VILLANUEVA (SANTANDER)
7690	Dic 19 2016	11:51:36.2	7.32	-76.11	Sup	1.9	0.4	123	21	MUTATA (ANTIOQUIA)
7691	Dic 19 2016	12:03: 9.1	6.80	-73.19	144	1.3	0.4	131	11	ZAPATOCA (SANTANDER)
7692	Dic 19 2016	12:18:32.4	6.80	-73.16	148	1.9	0.4	117	22	LOS SANTOS (SANTANDER)
7693	Dic 19 2016	13:17:55.0	6.84	-73.19	142	0.9	0.4	236	8	ZAPATOCA (SANTANDER)
7694	Dic 19 2016	13:24:31.7	7.85	-74.47	29	1.3	0.4	153	12	NECHI (ANTIOQUIA)
7695	Dic 19 2016	13:41:12.4	6.80	-73.10	153	1.5	0.4	142	18	LOS SANTOS (SANTANDER)
7696	Dic 19 2016	14:04:48.0	8.58	-71.51	Sup	2.5	0.4	216	17	FRONTERA CON VENEZUELA
7697	Dic 19 2016	14:26:49.0	5.50	-74.56	Sup	1.3	0.4	197	12	PUERTO SALGAR (CUNDINAMARCA)
7698	Dic 19 2016	14:58:51.6	6.39	-73.61	109	1.3	0.5	146	10	SANTA HELENA DEL OPON (SANTANDER)
7699	Dic 19 2016	15:30:41.5	6.79	-73.15	146	1.5	0.4	135	12	LOS SANTOS (SANTANDER)
7700	Dic 19 2016	15:46:53.5	6.79	-73.15	147	1.6	0.4	135	10	LOS SANTOS (SANTANDER)
7701	Dic 19 2016	16:15: 4.9	6.75	-73.14	141	1.7	0.4	139	13	LOS SANTOS (SANTANDER)
<u>7702</u>	<u>Dic 19 2016</u>	<u>16:37:48.8</u>	<u>2.80</u>	<u>-76.03</u>	<u>Sup</u>	<u>2.9</u>	<u>0.7</u>	<u>55</u>	<u>47</u>	<u>VOLCAN NEVADO DEL HUILA</u>
7703	Dic 19 2016	18:05:46.5	6.78	-73.17	144	1.9	0.4	134	20	LOS SANTOS (SANTANDER)
7704	Dic 19 2016	18:20:44.6	6.79	-73.17	145	1.2	0.5	133	8	LOS SANTOS (SANTANDER)
7705	Dic 19 2016	19:06:27.5	6.77	-73.15	147	1.3	0.5	137	10	LOS SANTOS (SANTANDER)
7706	Dic 19 2016	20:32: 8.5	7.30	-76.27	Sup	2.9	0.7	152	40	MUTATA (ANTIOQUIA)
7707	Dic 19 2016	20:48:15.7	2.86	-78.19	9	2.2	0.6	178	11	O. PACIFICO SUR
<u>7708</u>	<u>Dic 19 2016</u>	<u>21:02:10.0</u>	<u>7.50</u>	<u>-73.42</u>	<u>117</u>	<u>4.3</u>	<u>0.6</u>	<u>94</u>	<u>0</u>	<u>SABANA DE TORRES (SANTANDER)</u>
<u>7709</u>	<u>Dic 19 2016</u>	<u>21:02:10.0</u>	<u>7.50</u>	<u>-73.42</u>	<u>117</u>	<u>4.3</u>	<u>0.6</u>	<u>94</u>	<u>84</u>	<u>SABANA DE TORRES (SANTANDER)</u>
7710	Dic 19 2016	21:39:51.0	6.81	-73.15	144	2.0	0.5	135	18	LOS SANTOS (SANTANDER)
7711	Dic 19 2016	21:41:22.0	6.80	-73.13	148	2.2	0.5	101	24	LOS SANTOS (SANTANDER)
7712	Dic 19 2016	21:58:29.4	2.46	-75.45	20	1.4	0.3	180	8	HOBO (HUILA)
7713	Dic 19 2016	22:02: 0.9	5.33	-75.69	Sup	1.3	0.5	106	10	QUINCHIA (RISARALDA)
7714	Dic 19 2016	22:04:49.7	6.77	-73.12	149	1.8	0.3	141	12	LOS SANTOS (SANTANDER)
7715	Dic 19 2016	22:06:46.4	6.78	-73.14	140	1.9	0.4	138	12	LOS SANTOS (SANTANDER)
7716	Dic 19 2016	23:08: 9.0	4.74	-76.24	101	2.1	0.5	109	21	EL CAIRO (VALLE)
7717	Dic 19 2016	23:47:13.8	2.23	-75.69	12	1.4	0.4	98	12	AGRADO (HUILA)
7718	Dic 20 2016	04:19: 4.3	6.82	-73.13	149	1.5	0.6	119	18	LOS SANTOS (SANTANDER)
7719	Dic 20 2016	04:32:53.4	6.74	-74.04	28	1.1	0.3	112	9	PUERTO PARRA (SANTANDER)
7720	Dic 20 2016	04:46: 8.8	6.79	-73.15	149	1.7	0.5	118	16	LOS SANTOS (SANTANDER)
7721	Dic 20 2016	05:22:42.2	6.74	-73.19	146	1.1	0.4	228	8	VILLANUEVA (SANTANDER)
7722	Dic 20 2016	05:43:15.1	1.25	-78.99	19	2.1	0.3	280	14	O. PACIFICO SUR
7723	Dic 20 2016	06:05:45.7	10.04	-74.01	18	2.1	0.2	93	13	EL COPEY (CESAR)
7724	Dic 20 2016	07:11:28.9	2.98	-79.27	6	2.0	0.6	267	11	O. PACIFICO SUR
7725	Dic 20 2016	07:11:52.4	10.10	-73.01	Sup	1.6	0.3	183	8	AGUSTIN CODAZZI (CESAR)
7726	Dic 20 2016	07:23:55.0	6.78	-73.12	151	2.1	0.6	98	32	LOS SANTOS (SANTANDER)
7727	Dic 20 2016	07:42:49.0	6.74	-73.12	158	1.1	0.4	142	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7728	Dic 20 2016	07:46:15.9	6.75	-73.15	140	1.1	0.3	233	12	LOS SANTOS (SANTANDER)
7729	Dic 20 2016	08:43:37.9	6.76	-73.19	138	1.2	0.4	230	12	LOS SANTOS (SANTANDER)
7730	Dic 20 2016	08:46:10.5	6.51	-73.14	163	1.5	0.5	200	17	PINCHOTE (SANTANDER)
7731	Dic 20 2016	08:56:25.0	6.92	-73.11	141	1.2	0.4	250	9	PIEDRECUESTA (SANTANDER)
7732	Dic 20 2016	09:00:18.1	6.80	-76.57	Sup	1.3	0.5	188	10	MURINDO (ANTIOQUIA)
7733	Dic 20 2016	09:33:48.5	6.66	-73.23	136	1.3	0.3	207	8	BARICHARA (SANTANDER)
7734	Dic 20 2016	09:55:35.9	3.93	-76.12	Sup	1.2	0.5	191	13	SAN PEDRO (VALLE)
7735	Dic 20 2016	10:28:25.8	6.79	-73.13	153	1.9	0.4	100	32	LOS SANTOS (SANTANDER)
7736	Dic 20 2016	10:44:22.9	4.38	-73.72	Sup	1.0	0.4	150	8	EL CALVARIO (META)
7737	Dic 20 2016	11:17:43.0	6.79	-73.10	146	1.4	0.3	241	12	LOS SANTOS (SANTANDER)
7738	Dic 20 2016	11:41:46.6	6.64	-73.31	150	1.3	0.4	156	8	GALAN (SANTANDER)
7739	Dic 20 2016	12:10:31.0	5.29	-73.74	136	1.1	0.3	131	9	LENGUAZAQUE (CUNDINAMARCA)
7740	Dic 20 2016	13:08: 3.5	6.84	-73.35	148	1.3	0.2	107	13	SAN VICENTE DE CHUCURI (SANTANDER)
7741	Dic 20 2016	13:09:50.6	6.80	-73.13	146	2.0	0.4	137	24	LOS SANTOS (SANTANDER)
7742	Dic 20 2016	14:23: 9.3	10.62	-73.53	Sup	1.9	0.3	110	8	PUEBLO BELLO (CESAR)
7743	Dic 20 2016	14:39:24.4	2.16	-75.57	18	1.4	0.4	110	12	GARZON (HUILA)
7744	Dic 20 2016	16:58:32.1	6.78	-73.17	140	1.1	0.3	141	8	LOS SANTOS (SANTANDER)
7745	Dic 20 2016	17:21:58.9	4.77	-76.17	91	1.5	0.3	176	15	EL CAIRO (VALLE)
7746	Dic 20 2016	17:24:49.4	3.31	-74.72	Sup	1.6	0.4	171	23	COLOMBIA (HUILA)
7747	Dic 20 2016	17:38:13.6	6.73	-73.17	147	1.2	0.3	230	8	VILLANUEVA (SANTANDER)
7748	Dic 20 2016	18:01:52.4	6.94	-73.14	132	1.4	0.1	128	13	PIEDRECUESTA (SANTANDER)
7749	Dic 20 2016	18:09: 0.1	6.80	-73.17	150	1.4	0.3	144	11	LOS SANTOS (SANTANDER)
7750	Dic 20 2016	18:12:19.0	1.15	-77.10	Sup	1.9	0.3	212	14	SANTIAGO (PUTUMAYO)
7751	Dic 20 2016	18:20:13.9	5.39	-75.92	12	1.7	0.5	133	14	MISTRATO (RISARALDA)
7752	Dic 20 2016	19:54:39.5	7.51	-72.75	7	1.3	0.5	276	8	CUCUTILLA (N.SANTANDER)
7753	Dic 20 2016	20:17:53.1	6.08	-73.67	118	3.1	0.6	40	51	CHIPATA (SANTANDER)
7754	Dic 20 2016	20:28:46.8	6.78	-73.14	148	1.9	0.3	137	12	LOS SANTOS (SANTANDER)
7755	Dic 20 2016	20:40:14.5	4.37	-73.71	Sup	2.2	0.8	101	18	EL CALVARIO (META)
7756	Dic 20 2016	20:46:58.8	6.79	-73.16	147	2.2	0.4	101	19	LOS SANTOS (SANTANDER)
7757	Dic 20 2016	22:05:31.2	6.78	-73.16	140	1.3	0.3	135	9	LOS SANTOS (SANTANDER)
7758	Dic 20 2016	22:26:45.9	7.38	-73.72	11	2.4	0.5	177	15	PUERTO WILCHES (SANTANDER)
7759	Dic 20 2016	22:51:31.8	2.70	-75.04	Sup	1.5	0.4	218	11	RIVERA (HUILA)
7760	Dic 20 2016	22:58:24.9	4.48	-76.46	95	2.1	0.6	137	26	EL DOVIO (VALLE)
7761	Dic 21 2016	00:06:19.8	5.91	-73.64	126	1.2	0.2	91	11	BARBOSA (SANTANDER)
7762	Dic 21 2016	00:14:36.4	8.01	-71.94	Sup	1.8	0.5	274	12	FRONTERA CON VENEZUELA
7763	Dic 21 2016	00:36: 6.7	5.14	-74.51	21	1.0	0.5	152	8	QUEBRADANEGRA (CUNDINAMARCA)
7764	Dic 21 2016	00:49:23.5	5.78	-74.33	Sup	1.3	0.5	103	15	OTANCHE (BOYACA)
7765	Dic 21 2016	01:08:15.6	10.94	-73.60	37	1.8	0.2	135	10	PUEBLO BELLO (CESAR)
7766	Dic 21 2016	01:27: 0.3	6.73	-73.15	133	1.8	0.6	138	18	LOS SANTOS (SANTANDER)
7767	Dic 21 2016	01:35:28.6	5.94	-73.96	8	0.7	0.6	150	8	LA BELLEZA (SANTANDER)
7768	Dic 21 2016	01:46: 1.8	5.26	-73.74	143	1.2	0.2	132	9	CUCUNUBA (CUNDINAMARCA)
7769	Dic 21 2016	01:50:48.6	6.85	-73.13	153	1.5	0.4	136	13	LOS SANTOS (SANTANDER)
7770	Dic 21 2016	02:32:20.8	6.82	-73.12	151	1.7	0.6	139	18	LOS SANTOS (SANTANDER)
7771	Dic 21 2016	03:01:48.7	6.78	-73.23	154	1.2	0.4	127	8	ZAPATOCA (SANTANDER)
7772	Dic 21 2016	03:09:17.7	5.63	-74.01	119	2.2	0.6	57	32	PAUNA (BOYACA)
7773	Dic 21 2016	03:51: 0.5	6.77	-73.15	145	3.1	0.5	151	26	LOS SANTOS (SANTANDER)
7774	Dic 21 2016	04:09:39.7	7.88	-72.16	Sup	2.0	0.6	258	15	FRONTERA CON VENEZUELA
7775	Dic 21 2016	04:36:36.0	5.14	-75.63	118	1.1	0.4	139	8	NEIRA (CALDAS)
7776	Dic 21 2016	04:30:50.0	6.00	-73.51	118	1.1	0.4	212	10	SAN JOSE DE PARE (BOYACA)
7777	Dic 21 2016	05:08:59.7	6.75	-73.25	158	1.0	0.1	208	7	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
7778	Dic 21 2016	05:20:21.1	12.75	-81.57	14	3.9	0.5	95	60	ACANDI (CHOCO)
7779	Dic 21 2016	05:32:22.9	6.75	-73.14	156	1.2	0.3	234	8	LOS SANTOS (SANTANDER)
7780	Dic 21 2016	05:40:19.7	6.49	-73.43	134	1.2	0.1	175	10	SIMACOTA (SANTANDER)
7781	Dic 21 2016	06:20: 7.2	8.26	-74.44	21	1.6	0.3	142	13	MONTECRISTO (BOLIVAR)
7782	Dic 21 2016	06:56: 3.0	6.85	-73.09	142	1.0	0.8	247	10	LOS SANTOS (SANTANDER)
7783	Dic 21 2016	07:40:38.7	1.92	-75.97	9	2.2	0.4	106	12	TIMANA (HUILA)
7784	Dic 21 2016	08:01:39.2	6.46	-73.58	107	1.0	0.5	97	8	SANTA HELENA DEL OPON (SANTANDER)
7785	Dic 21 2016	08:34:54.7	5.53	-73.83	126	2.6	0.6	62	32	SIMIJACA (CUNDINAMARCA)
7786	Dic 21 2016	08:50:58.8	8.07	-74.14	20	1.9	0.3	276	12	SANTA ROSA DEL SUR (BOLIVAR)
7787	Dic 21 2016	09:05:45.5	6.11	-72.36	Sup	1.3	0.6	188	11	LA SALINA (CASANARE)
7788	Dic 21 2016	09:07:48.5	6.71	-73.16	133	0.9	0.5	239	8	VILLANUEVA (SANTANDER)
<u>7789</u>	<u>Dic 21 2016</u>	<u>09:13: 0.8</u>	<u>12.73</u>	<u>-81.46</u>	<u>Sup</u>	<u>4.0</u>	<u>0.4</u>	<u>92</u>	<u>65</u>	<u>SAN ANDRES (ARCHIPIELAGO DE SAN ANDRES. PROV. Y STA</u>
7790	Dic 21 2016	09:44:35.8	6.83	-73.13	146	2.4	0.7	106	30	LOS SANTOS (SANTANDER)
7791	Dic 21 2016	10:21:21.3	6.79	-73.19	132	1.6	0.5	130	16	ZAPATOCA (SANTANDER)
7792	Dic 21 2016	10:24:25.1	7.12	-75.81	Sup	2.5	0.5	68	26	ITUANGO (ANTIOQUIA)
7793	Dic 21 2016	11:04:47.3	6.25	-77.48	Sup	1.5	0.6	281	9	O. PACIFICO NORTE
7794	Dic 21 2016	11:41:17.1	6.86	-72.08	14	1.2	0.4	197	6	CUBARA (BOYACA)
7795	Dic 21 2016	11:43:48.2	5.34	-74.43	12	1.4	0.6	96	11	LA PALMA (CUNDINAMARCA)
7796	Dic 21 2016	12:03:59.4	5.99	-76.21	Sup	2.2	0.7	177	27	EL CARMEN (CHOCO)
7797	Dic 21 2016	12:26:46.2	4.57	-75.91	16	2.3	0.7	95	22	OBANDO (VALLE)
7798	Dic 21 2016	12:52:15.0	4.86	-77.54	44	1.9	0.4	255	7	O. PACIFICO CENTRO
7799	Dic 21 2016	12:53:46.4	6.80	-73.20	142	1.7	0.5	129	11	ZAPATOCA (SANTANDER)
7800	Dic 21 2016	12:54:16.3	6.79	-73.10	144	1.4	0.3	142	8	LOS SANTOS (SANTANDER)
7801	Dic 21 2016	13:27:33.0	6.84	-73.27	142	1.6	0.1	218	8	ZAPATOCA (SANTANDER)
7802	Dic 21 2016	13:42:30.7	6.75	-73.10	141	1.4	0.3	145	10	LOS SANTOS (SANTANDER)
7803	Dic 21 2016	13:50:10.8	6.78	-73.16	146	1.8	0.5	134	16	LOS SANTOS (SANTANDER)
7804	Dic 21 2016	15:46:12.9	6.26	-73.65	109	1.3	0.3	115	8	SANTA HELENA DEL OPON (SANTANDER)
7805	Dic 21 2016	15:52:59.6	6.78	-73.16	145	1.4	0.2	134	10	LOS SANTOS (SANTANDER)
7806	Dic 21 2016	16:00:49.5	6.89	-73.26	Sup	1.2	0.3	116	10	BETULIA (SANTANDER)
7807	Dic 21 2016	16:03:19.2	5.11	-76.35	61	2.0	0.7	122	17	SAN JOSE DEL PALMAR (CHOCO)
7808	Dic 21 2016	16:12:28.8	6.78	-73.17	143	1.7	0.3	134	11	LOS SANTOS (SANTANDER)
7809	Dic 21 2016	17:30:48.2	6.75	-73.10	143	2.0	0.4	144	14	LOS SANTOS (SANTANDER)
7810	Dic 21 2016	18:25:52.3	6.79	-73.13	143	1.3	0.1	139	7	LOS SANTOS (SANTANDER)
7811	Dic 21 2016	18:37:56.6	6.81	-73.12	142	1.6	0.5	241	14	LOS SANTOS (SANTANDER)
7812	Dic 21 2016	19:03:59.4	6.76	-73.14	144	2.4	0.4	97	29	LOS SANTOS (SANTANDER)
7813	Dic 21 2016	19:32:26.3	5.40	-73.83	135	1.6	0.4	116	10	FUQUENE (CUNDINAMARCA)
7814	Dic 21 2016	19:57: 9.8	4.78	-76.17	104	1.4	0.4	126	12	EL CAIRO (VALLE)
7815	Dic 21 2016	20:46:25.5	6.77	-73.12	143	1.5	0.2	141	9	LOS SANTOS (SANTANDER)
7816	Dic 21 2016	21:16:55.4	6.80	-73.10	149	1.9	0.4	141	15	LOS SANTOS (SANTANDER)
7817	Dic 21 2016	21:22:39.9	6.78	-73.15	148	1.4	0.3	136	11	LOS SANTOS (SANTANDER)
7818	Dic 21 2016	21:39:28.8	6.84	-73.13	141	2.4	0.7	136	33	LOS SANTOS (SANTANDER)
7819	Dic 21 2016	22:13:19.6	6.78	-73.16	140	2.0	0.4	135	16	LOS SANTOS (SANTANDER)
7820	Dic 21 2016	22:28:29.3	6.76	-73.08	143	1.5	0.3	146	10	LOS SANTOS (SANTANDER)
7821	Dic 21 2016	23:06:43.8	6.78	-73.12	148	1.8	0.3	121	15	LOS SANTOS (SANTANDER)
7822	Dic 21 2016	23:42:31.6	1.94	-76.04	Sup	1.9	0.4	109	13	SALADOBLANCO (HUILA)
7823	Dic 22 2016	00:16:39.0	1.94	-76.01	16	1.0	0.3	154	8	SALADOBLANCO (HUILA)
7824	Dic 22 2016	00:28: 7.1	6.84	-73.40	113	1.4	0.4	187	12	SAN VICENTE DE CHUCURI (SANTANDER)
7825	Dic 22 2016	01:04:12.8	6.65	-73.27	155	1.4	0.5	167	14	GALAN (SANTANDER)
7826	Dic 22 2016	01:06:10.9	6.69	-73.18	140	1.4	0.5	225	11	VILLANUEVA (SANTANDER)
7827	Dic 22 2016	01:07:31.3	4.69	-76.10	90	1.5	0.5	121	14	ARGELIA (VALLE)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7828	Dic 22 2016	01:13:24.7	6.81	-73.15	148	1.5	0.5	135	14	LOS SANTOS (SANTANDER)
7829	Dic 22 2016	01:23: 0.3	6.80	-73.17	135	1.2	0.1	143	8	LOS SANTOS (SANTANDER)
7830	Dic 22 2016	01:57:20.6	5.90	-73.65	123	1.5	0.3	125	14	PUENTE NACIONAL (SANTANDER)
7831	Dic 22 2016	02:00:38.4	6.84	-73.18	140	1.1	0.2	237	7	ZAPATOCA (SANTANDER)
7832	Dic 22 2016	02:46:21.1	1.80	-76.12	Sup	1.4	0.5	130	13	PALESTINA (HUILA)
7833	Dic 22 2016	02:50:27.6	6.78	-73.14	140	1.9	0.5	99	20	LOS SANTOS (SANTANDER)
7834	Dic 22 2016	03:24:49.5	2.29	-79.68	11	2.2	0.3	269	17	O. PACIFICO SUR
7835	Dic 22 2016	03:39: 3.3	6.79	-73.13	140	2.5	0.5	100	30	LOS SANTOS (SANTANDER)
7836	Dic 22 2016	04:45:38.7	6.78	-73.16	138	1.8	0.4	135	17	LOS SANTOS (SANTANDER)
7837	Dic 22 2016	05:17:41.7	5.42	-73.79	136	1.0	0.3	154	10	FUQUENE (CUNDINAMARCA)
7838	Dic 22 2016	05:24:10.6	9.54	-73.66	Sup	1.3	0.4	220	7	EL PASO (CESAR)
7839	Dic 22 2016	05:26:21.3	3.91	-76.27	113	1.5	0.6	121	13	BUGA (VALLE)
7840	Dic 22 2016	05:39: 1.1	6.46	-74.11	67	1.3	0.6	68	15	PUERTO PARRA (SANTANDER)
7841	Dic 22 2016	06:40:23.5	6.64	-73.19	135	1.1	0.1	217	8	BARICHARA (SANTANDER)
7842	Dic 22 2016	06:58:24.3	6.79	-73.17	146	1.1	0.3	234	9	LOS SANTOS (SANTANDER)
7843	Dic 22 2016	07:01:51.0	6.77	-73.17	145	1.3	0.1	233	9	LOS SANTOS (SANTANDER)
7844	Dic 22 2016	07:04:56.2	6.82	-73.31	118	1.6	0.4	104	14	ZAPATOCA (SANTANDER)
7845	Dic 22 2016	07:13:34.3	6.74	-73.34	127	1.1	0.2	177	9	ZAPATOCA (SANTANDER)
7846	Dic 22 2016	07:58:33.4	6.68	-73.14	154	1.1	0.3	142	9	VILLANUEVA (SANTANDER)
7847	Dic 22 2016	08:12:10.0	7.18	-76.20	Sup	1.4	0.8	150	12	DABEIBA (ANTIOQUIA)
7848	Dic 22 2016	08:30:48.5	7.19	-74.13	Sup	1.0	0.4	152	9	PUERTO WILCHES (SANTANDER)
7849	Dic 22 2016	08:48: 4.0	6.66	-74.22	22	0.7	0.6	117	10	PUERTO PARRA (SANTANDER)
7850	Dic 22 2016	08:50: 3.6	6.79	-73.17	144	1.1	0.2	142	8	LOS SANTOS (SANTANDER)
<u>7851</u>	<u>Dic 22 2016</u>	<u>08:59:27.5</u>	<u>4.80</u>	<u>-77.31</u>	<u>47</u>	<u>4.2</u>	<u>0.6</u>	<u>56</u>	<u>0</u>	<u>BAJO BAUDO (CHOCO)</u>
<u>7852</u>	<u>Dic 22 2016</u>	<u>08:59:27.5</u>	<u>4.80</u>	<u>-77.31</u>	<u>47</u>	<u>4.2</u>	<u>0.6</u>	<u>56</u>	<u>85</u>	<u>BAJO BAUDO (CHOCO)</u>
7853	Dic 22 2016	09:10:18.4	6.74	-73.20	137	1.7	0.6	132	14	VILLANUEVA (SANTANDER)
7854	Dic 22 2016	09:16:32.1	6.78	-73.13	144	1.6	0.4	121	18	LOS SANTOS (SANTANDER)
7855	Dic 22 2016	09:25:24.6	4.81	-77.36	50	1.8	0.4	184	18	BAJO BAUDO (CHOCO)
7856	Dic 22 2016	09:42:52.7	6.82	-73.19	140	1.1	0.3	130	8	ZAPATOCA (SANTANDER)
7857	Dic 22 2016	09:51:32.5	6.82	-73.16	120	1.2	0.4	237	10	LOS SANTOS (SANTANDER)
7858	Dic 22 2016	10:03:14.6	8.72	-73.78	104	1.7	0.4	111	22	REGIDOR (BOLIVAR)
7859	Dic 22 2016	10:43:40.2	6.79	-73.11	137	1.4	0.3	141	18	LOS SANTOS (SANTANDER)
7860	Dic 22 2016	11:14:32.9	6.77	-73.08	147	1.4	0.2	242	14	LOS SANTOS (SANTANDER)
7861	Dic 22 2016	11:30:21.7	6.78	-73.11	142	1.3	0.3	141	10	LOS SANTOS (SANTANDER)
7862	Dic 22 2016	11:49:27.1	7.22	-78.05	Sup	2.3	0.5	171	24	O. PACIFICO NORTE
7863	Dic 22 2016	12:09:21.6	5.22	-74.43	Sup	1.3	0.5	89	12	LA PENA (CUNDINAMARCA)
7864	Dic 22 2016	12:24:19.6	6.77	-73.07	146	1.5	0.4	243	13	LOS SANTOS (SANTANDER)
7865	Dic 22 2016	12:49:18.0	6.72	-73.43	119	1.2	0.2	154	12	EL CARMEN (SANTANDER)
7866	Dic 22 2016	12:51:27.5	6.99	-74.02	93	1.8	0.3	130	18	YONDO (ANTIOQUIA)
7867	Dic 22 2016	13:09:54.9	6.62	-73.51	108	1.1	0.2	116	14	EL CARMEN (SANTANDER)
7868	Dic 22 2016	13:14:40.1	6.78	-73.13	145	1.6	0.2	139	12	LOS SANTOS (SANTANDER)
7869	Dic 22 2016	13:25:31.8	6.82	-73.12	145	2.1	0.4	139	25	LOS SANTOS (SANTANDER)
7870	Dic 22 2016	13:41: 6.1	6.80	-73.11	142	2.2	0.5	141	28	LOS SANTOS (SANTANDER)
7871	Dic 22 2016	13:59:54.6	6.91	-73.17	146	1.1	0.1	246	9	BETULIA (SANTANDER)
7872	Dic 22 2016	14:08:49.3	6.78	-73.16	145	1.3	0.2	135	12	LOS SANTOS (SANTANDER)
7873	Dic 22 2016	14:12:12.8	7.35	-73.17	132	1.2	0.1	178	9	RIONEGRO (SANTANDER)
7874	Dic 22 2016	14:36:17.8	7.11	-74.27	12	1.7	0.5	139	12	YONDO (ANTIOQUIA)
7875	Dic 22 2016	14:50: 6.5	6.77	-73.13	144	2.0	0.5	140	14	LOS SANTOS (SANTANDER)
7876	Dic 22 2016	15:39:20.6	2.59	-75.37	16	1.4	0.2	189	10	HOBO (HUILA)
7877	Dic 22 2016	15:45:29.7	6.83	-73.13	151	2.5	0.5	74	34	LOS SANTOS (SANTANDER)
7878	Dic 22 2016	16:51:22.9	6.81	-73.20	143	1.9	0.3	146	12	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7879	Dic 22 2016	18:35:10.8	3.90	-75.59	Sup	1.3	0.3	186	9	RONCESVALLES (TOLIMA)
7880	Dic 22 2016	19:11: 3.1	6.87	-76.53	Sup	1.5	0.4	205	8	MURINDO (ANTIOQUIA)
7881	Dic 22 2016	19:17:25.1	6.80	-73.15	139	2.3	0.6	135	24	LOS SANTOS (SANTANDER)
7882	Dic 22 2016	19:55:42.7	6.86	-73.35	121	2.4	0.5	62	25	SAN VICENTE DE CHUCURI (SANTANDER)
7883	Dic 22 2016	20:47:57.0	7.10	-76.18	Sup	2.1	0.6	138	18	DABEIBA (ANTIOQUIA)
7884	Dic 22 2016	21:00:11.8	11.09	-71.89	81	2.4	0.4	201	20	FRONTERA CON VENEZUELA
7885	Dic 22 2016	22:08:54.5	2.28	-75.50	Sup	1.4	0.2	163	8	GIGANTE (HUILA)
7886	Dic 22 2016	22:31:14.5	6.76	-73.14	134	2.0	0.5	139	20	LOS SANTOS (SANTANDER)
7887	Dic 23 2016	00:11:52.9	6.34	-73.62	105	2.0	0.3	70	25	SANTA HELENA DEL OPON (SANTANDER)
7888	Dic 23 2016	00:14:48.9	6.90	-73.20	148	1.2	0.4	124	7	BETULIA (SANTANDER)
7889	Dic 23 2016	01:13: 1.4	3.15	-74.95	6	1.3	0.5	164	11	BARAYA (HUILA)
7890	Dic 23 2016	01:27:16.6	5.84	-74.88	Sup	1.0	0.7	143	14	SAN LUIS (ANTIOQUIA)
7891	Dic 23 2016	01:48:16.0	6.79	-73.18	140	1.5	0.5	132	14	ZAPATOCA (SANTANDER)
7892	Dic 23 2016	01:55:37.9	6.16	-73.62	121	0.8	0.1	177	7	LA PAZ (SANTANDER)
7893	Dic 23 2016	02:20:34.1	1.78	-76.14	Sup	1.2	0.4	195	10	PALESTINA (HUILA)
7894	Dic 23 2016	02:23: 1.9	4.70	-77.25	29	1.1	0.4	152	8	BAJO BAUDO (CHOCO)
7895	Dic 23 2016	03:12:42.5	6.51	-73.69	96	2.3	0.6	52	23	SANTA HELENA DEL OPON (SANTANDER)
7896	Dic 23 2016	03:43:49.7	2.71	-75.67	Sup	4.5	0.5	54	0	IQUIRA (HUILA)
7897	Dic 23 2016	03:43:49.7	2.71	-75.67	0	4.5	0.5	54	70	IQUIRA (HUILA)
7898	Dic 23 2016	03:51: 3.0	2.71	-75.66	Sup	2.4	0.6	74	23	IQUIRA (HUILA)
7899	Dic 23 2016	03:58:36.0	2.70	-75.68	Sup	2.3	0.4	90	18	IQUIRA (HUILA)
7900	Dic 23 2016	04:35:49.3	6.73	-73.14	147	1.4	0.3	233	8	LOS SANTOS (SANTANDER)
7901	Dic 23 2016	04:46:51.2	5.76	-77.29	70	1.4	0.2	215	10	O. PACIFICO NORTE
7902	Dic 23 2016	04:48: 5.0	3.46	-76.87	Sup	1.2	0.5	151	10	DAGUA (VALLE)
7903	Dic 23 2016	04:52:27.7	7.43	-73.19	131	1.8	0.5	189	19	EL PLAYON (SANTANDER)
7904	Dic 23 2016	05:43:10.9	2.72	-75.68	Sup	2.3	0.4	87	19	IQUIRA (HUILA)
7905	Dic 23 2016	06:42:55.4	6.74	-73.18	140	1.6	0.5	135	18	LOS SANTOS (SANTANDER)
7906	Dic 23 2016	06:46:36.6	4.36	-77.74	22	1.5	0.6	277	8	O. PACIFICO CENTRO
7907	Dic 23 2016	07:15:38.2	1.93	-76.04	Sup	0.8	0.2	157	8	PITALITO (HUILA)
7908	Dic 23 2016	07:19: 7.1	6.29	-76.51	11	1.7	0.5	95	22	URRAO (ANTIOQUIA)
7909	Dic 23 2016	07:26: 6.8	6.77	-73.14	139	1.6	0.4	138	16	LOS SANTOS (SANTANDER)
7910	Dic 23 2016	07:41:54.0	6.82	-73.20	130	1.3	0.4	233	10	ZAPATOCA (SANTANDER)
7911	Dic 23 2016	08:03:39.4	3.95	-76.08	105	2.3	0.7	81	30	SAN PEDRO (VALLE)
7912	Dic 23 2016	08:11:46.0	1.97	-75.82	Sup	1.1	0.3	139	8	SUAZA (HUILA)
7913	Dic 23 2016	08:12:13.0	7.36	-73.21	132	1.7	0.3	178	17	EL PLAYON (SANTANDER)
7914	Dic 23 2016	08:20:11.2	2.88	-74.82	Sup	1.3	0.1	149	9	BARAYA (HUILA)
7915	Dic 23 2016	08:29:53.7	5.73	-73.95	89	0.7	0.3	91	12	TUNUNGUA (BOYACA)
7916	Dic 23 2016	08:32:50.9	6.77	-73.17	152	1.3	0.5	233	8	LOS SANTOS (SANTANDER)
7917	Dic 23 2016	08:36:41.8	6.81	-73.18	143	1.7	0.3	131	15	ZAPATOCA (SANTANDER)
7918	Dic 23 2016	08:43:56.3	2.70	-75.68	11	1.9	0.8	87	18	IQUIRA (HUILA)
7919	Dic 23 2016	09:18:52.3	6.78	-73.17	138	0.9	0.3	241	8	LOS SANTOS (SANTANDER)
7920	Dic 23 2016	09:34:36.6	6.77	-73.17	140	2.4	0.5	98	32	LOS SANTOS (SANTANDER)
7921	Dic 23 2016	09:57:47.2	2.67	-75.62	Sup	1.1	0.6	147	10	IQUIRA (HUILA)
7922	Dic 23 2016	10:13:55.8	6.33	-73.57	110	1.5	0.4	105	14	SANTA HELENA DEL OPON (SANTANDER)
7923	Dic 23 2016	10:39:33.0	6.11	-73.55	121	1.6	0.3	159	12	SAN BENITO (SANTANDER)
7924	Dic 23 2016	10:53:22.7	6.37	-73.60	115	1.9	0.5	71	20	SANTA HELENA DEL OPON (SANTANDER)
7925	Dic 23 2016	11:16:15.7	2.70	-75.68	Sup	1.5	0.4	140	14	IQUIRA (HUILA)
7926	Dic 23 2016	12:28:24.4	2.80	-76.06	Sup	1.3	0.7	128	14	PAEZ (CAUCA)
7927	Dic 23 2016	12:39:46.1	6.83	-73.30	121	1.3	0.1	221	10	ZAPATOCA (SANTANDER)
7928	Dic 23 2016	12:49:11.2	6.79	-73.13	150	2.1	0.3	138	18	LOS SANTOS (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
7929	Dic 23 2016	13:33:23.4	4.49	-73.20	Sup	1.4	0.7	179	12	PARATEBUENO (CUNDINAMARCA)
7930	Dic 23 2016	14:02:54.5	1.88	-76.02	Sup	1.4	0.1	165	10	PITALITO (HUILA)
7931	Dic 23 2016	14:06: 5.3	6.80	-73.20	144	1.6	0.3	129	16	ZAPATOCA (SANTANDER)
7932	Dic 23 2016	14:14: 5.1	2.47	-75.35	Sup	2.3	0.5	98	18	ALGECIRAS (HUILA)
7933	Dic 23 2016	15:12:16.6	0.71	-77.57	28	2.8	0.1	315	12	POTOSI (NARINO)
7934	Dic 23 2016	15:59:34.0	6.81	-73.13	150	2.1	0.5	138	26	LOS SANTOS (SANTANDER)
7935	Dic 23 2016	17:07:26.1	6.79	-73.17	144	1.3	0.4	234	10	LOS SANTOS (SANTANDER)
7936	Dic 23 2016	18:01:14.8	5.26	-74.51	Sup	1.2	0.2	206	11	UTICA (CUNDINAMARCA)
7937	Dic 23 2016	18:11:28.4	5.49	-74.55	49	1.3	0.3	214	8	PUERTO SALGAR (CUNDINAMARCA)
7938	Dic 23 2016	18:13:35.4	10.28	-72.20	168	2.7	0.2	181	12	FRONTERA CON VENEZUELA
7939	Dic 23 2016	18:15:31.7	6.79	-73.11	147	1.7	0.3	141	18	LOS SANTOS (SANTANDER)
7940	Dic 23 2016	18:31: 3.8	6.82	-73.13	150	2.6	0.5	71	46	LOS SANTOS (SANTANDER)
7941	Dic 23 2016	19:10:28.1	6.72	-73.09	145	1.2	0.3	146	10	JORDAN (SANTANDER)
7942	Dic 23 2016	19:37:37.9	7.71	-77.08	49	1.5	0.3	198	12	RIOSUCIO (CHOCO)
7943	Dic 23 2016	19:41:58.4	6.81	-73.12	148	1.8	0.3	241	20	LOS SANTOS (SANTANDER)
7944	Dic 23 2016	20:09:17.5	6.78	-73.14	134	1.5	0.2	138	9	LOS SANTOS (SANTANDER)
7945	Dic 23 2016	20:36:46.1	6.66	-75.71	14	2.6	0.7	105	37	BELMIRA (ANTIOQUIA)
7946	Dic 23 2016	20:53:59.0	5.89	-73.66	119	1.5	0.3	93	20	PUENTE NACIONAL (SANTANDER)
7947	Dic 23 2016	21:15:43.2	6.84	-73.12	150	3.1	0.8	70	61	LOS SANTOS (SANTANDER)
7948	Dic 23 2016	21:42:47.7	5.34	-77.38	Sup	2.5	0.7	169	42	NUQUI (CHOCO)
7949	Dic 23 2016	22:27: 6.4	6.82	-73.11	152	1.7	0.4	140	17	LOS SANTOS (SANTANDER)
7950	Dic 23 2016	22:39: 6.7	6.77	-73.11	145	1.4	0.3	142	12	LOS SANTOS (SANTANDER)
7951	Dic 23 2016	22:50:42.7	6.04	-76.72	Sup	1.9	0.6	218	20	MEDIO ATRATO (CHOCO)
7952	Dic 23 2016	22:55:57.3	7.12	-76.30	Sup	2.3	0.7	92	26	DABEIBA (ANTIOQUIA)
7953	Dic 23 2016	22:58:28.7	3.39	-74.64	Sup	2.2	0.7	75	36	COLOMBIA (HUILA)
7954	Dic 24 2016	00:46:46.2	4.75	-77.28	34	2.6	0.8	134	45	BAJO BAUDO (CHOCO)
7955	Dic 24 2016	01:10:19.0	6.79	-73.18	144	1.9	0.7	116	21	ZAPATOCA (SANTANDER)
7956	Dic 24 2016	01:25: 9.1	6.76	-73.08	138	1.3	0.4	147	10	LOS SANTOS (SANTANDER)
7957	Dic 24 2016	02:41:46.5	6.79	-73.19	140	1.9	0.5	143	15	ZAPATOCA (SANTANDER)
7958	Dic 24 2016	02:46:42.1	2.40	-75.56	17	0.8	0.3	150	10	GIGANTE (HUILA)
7959	Dic 24 2016	02:56:53.7	6.79	-73.17	140	2.4	0.6	101	32	LOS SANTOS (SANTANDER)
7960	Dic 24 2016	04:51:37.1	6.79	-73.17	138	1.4	0.5	133	14	LOS SANTOS (SANTANDER)
7961	Dic 24 2016	05:01:26.1	5.45	-73.06	Sup	2.0	0.8	91	28	PESCA (BOYACA)
7962	Dic 24 2016	05:28:36.1	2.72	-75.68	14	1.8	0.6	139	18	IQUIRA (HUILA)
7963	Dic 24 2016	05:51:49.3	5.82	-73.91	108	0.9	0.4	151	12	FLORIAN (SANTANDER)
7964	Dic 24 2016	06:15:54.8	6.78	-73.15	139	1.2	0.5	235	11	LOS SANTOS (SANTANDER)
7965	Dic 24 2016	06:43:28.1	8.33	-74.45	23	2.0	0.5	112	17	MONTECRISTO (BOLIVAR)
7966	Dic 24 2016	06:54:46.2	6.80	-73.16	144	2.8	0.6	102	34	LOS SANTOS (SANTANDER)
7967	Dic 24 2016	07:19:45.5	5.86	-73.85	111	1.1	0.3	143	10	JESUS MARIA (SANTANDER)
7968	Dic 24 2016	07:33:34.5	6.76	-73.17	138	1.5	0.6	134	16	LOS SANTOS (SANTANDER)
7969	Dic 24 2016	07:56:44.0	8.55	-73.47	105	1.6	0.2	275	12	EL CARMEN (N.SANTANDER)
7970	Dic 24 2016	08:18: 9.4	2.32	-75.62	21	0.5	0.4	122	10	GIGANTE (HUILA)
7971	Dic 24 2016	08:37:34.0	5.92	-73.63	122	1.5	0.5	91	20	BARBOSA (SANTANDER)
7972	Dic 24 2016	08:49:51.8	5.44	-77.95	26	1.9	0.6	281	14	O. PACIFICO CENTRO
7973	Dic 24 2016	09:30:20.9	7.90	-73.96	48	2.0	0.3	228	14	SIMITI (BOLIVAR)
7974	Dic 24 2016	09:42: 0.9	3.67	-72.98	20	1.0	0.6	151	8	SAN CARLOS DE GUAROA (META)
7975	Dic 24 2016	09:42:25.6	6.41	-73.30	138	0.9	0.4	124	8	PALMAS DEL SOCORRO (SANTANDER)
7976	Dic 24 2016	09:57:17.2	2.08	-75.70	8	0.9	0.3	109	10	ALTAMIRA (HUILA)
7977	Dic 24 2016	10:20: 4.2	6.51	-73.09	150	0.9	0.3	245	8	SAN GIL (SANTANDER)
7978	Dic 24 2016	10:22:48.2	6.40	-73.64	109	1.3	0.4	76	15	SANTA HELENA DEL OPO (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
7979	Dic 24 2016	10:43:56.4	6.94	-73.15	141	1.1	0.5	249	9	PIEDRECUESTA (SANTANDER)
7980	Dic 24 2016	10:53:13.2	7.13	-72.17	Sup	3.3	0.8	149	57	CUBARA (BOYACA)
7981	Dic 24 2016	10:58:27.2	6.79	-73.11	143	1.6	0.3	140	20	LOS SANTOS (SANTANDER)
7982	Dic 24 2016	11:30:22.7	4.89	-74.60	32	0.7	0.2	129	7	VIANI (CUNDINAMARCA)
7983	Dic 24 2016	11:38:20.5	7.33	-72.18	28	1.4	0.2	301	8	TOLEDO (N.SANTANDER)
7984	Dic 24 2016	11:43:15.6	7.15	-72.16	Sup	2.6	0.7	224	35	CUBARA (BOYACA)
7985	Dic 24 2016	11:46:41.3	6.83	-73.13	156	3.9	0.7	66	0	LOS SANTOS (SANTANDER)
7986	Dic 24 2016	11:46:41.3	6.83	-73.13	156	3.9	0.7	66	80	LOS SANTOS (SANTANDER)
7987	Dic 24 2016	12:15:45.4	6.76	-73.12	154	1.4	0.5	236	14	LOS SANTOS (SANTANDER)
7988	Dic 24 2016	12:27:21.0	2.67	-75.71	Sup	2.8	0.7	100	42	IQUIRA (HUILA)
7989	Dic 24 2016	12:37:17.1	6.87	-73.14	156	3.0	0.7	64	56	LOS SANTOS (SANTANDER)
7990	Dic 24 2016	13:08:23.1	7.70	-73.34	26	1.4	0.2	217	10	SAN ALBERTO (CESAR)
7991	Dic 24 2016	13:14:55.1	5.52	-74.55	Sup	1.2	0.3	132	9	PUERTO SALGAR (CUNDINAMARCA)
7992	Dic 24 2016	13:20: 6.1	3.61	-76.35	101	1.0	0.1	115	8	EL CERRITO (VALLE)
7993	Dic 24 2016	13:34:48.5	6.85	-73.14	150	2.4	0.6	69	39	LOS SANTOS (SANTANDER)
7994	Dic 24 2016	13:37:30.1	5.32	-73.62	151	1.4	0.2	145	12	GUACHETA (CUNDINAMARCA)
7995	Dic 24 2016	14:26:22.3	6.79	-73.09	141	2.0	0.4	143	22	LOS SANTOS (SANTANDER)
7996	Dic 24 2016	15:08:12.4	6.81	-73.12	152	2.7	0.5	67	50	LOS SANTOS (SANTANDER)
7997	Dic 24 2016	15:11:20.1	7.98	-73.22	81	1.8	0.0	318	10	ABREGO (N.SANTANDER)
7998	Dic 24 2016	16:34:51.5	6.77	-73.17	149	1.1	0.3	232	8	LOS SANTOS (SANTANDER)
7999	Dic 24 2016	17:00: 2.3	6.78	-73.21	139	1.5	0.3	129	9	ZAPATOCA (SANTANDER)
8000	Dic 24 2016	18:01:31.0	4.03	-76.76	95	1.9	0.5	121	16	CALIMA (VALLE)
8001	Dic 24 2016	18:26:15.1	7.31	-73.43	109	1.2	0.2	214	9	SABANA DE TORRES (SANTANDER)
8002	Dic 24 2016	18:36:14.3	5.39	-73.80	130	1.3	0.4	120	10	FUQUENE (CUNDINAMARCA)
8003	Dic 24 2016	19:05: 9.7	6.39	-73.35	Sup	1.4	0.4	110	9	SIMACOTA (SANTANDER)
8004	Dic 24 2016	19:17:46.7	3.75	-76.52	128	2.8	0.6	64	41	RESTREPO (VALLE)
8005	Dic 24 2016	19:25:18.9	6.79	-73.14	147	1.4	0.1	137	9	LOS SANTOS (SANTANDER)
8006	Dic 24 2016	20:11:48.6	5.63	-74.37	81	0.9	0.2	100	10	YACOPI (CUNDINAMARCA)
8007	Dic 24 2016	20:28:29.5	6.76	-73.12	146	1.4	0.3	141	11	LOS SANTOS (SANTANDER)
8008	Dic 24 2016	21:55:27.0	4.25	-76.36	133	1.2	0.3	192	8	TRUJILLO (VALLE)
8009	Dic 24 2016	22:18:34.5	10.88	-72.75	77	2.0	0.4	161	8	MANAURE BALCON CESAR (CESAR)
8010	Dic 24 2016	22:27:53.5	6.81	-73.11	150	2.1	0.6	121	27	LOS SANTOS (SANTANDER)
8011	Dic 24 2016	22:50:46.2	2.46	-75.57	Sup	0.9	0.5	150	8	GIGANTE (HUILA)
8012	Dic 24 2016	23:01:25.3	6.79	-73.11	142	1.4	0.3	141	12	LOS SANTOS (SANTANDER)
8013	Dic 24 2016	23:45:16.0	1.96	-75.93	19	1.1	0.1	141	8	TIMANA (HUILA)
8014	Dic 24 2016	23:53:56.7	6.04	-73.69	113	1.8	0.3	78	20	VELEZ (SANTANDER)
8015	Dic 25 2016	00:47:58.5	6.73	-73.20	146	1.6	0.2	226	12	VILLANUEVA (SANTANDER)
8016	Dic 25 2016	01:08:53.3	2.34	-75.66	12	1.2	0.3	81	12	GIGANTE (HUILA)
8017	Dic 25 2016	01:20:58.2	6.78	-73.15	144	2.8	0.6	99	33	LOS SANTOS (SANTANDER)
8018	Dic 25 2016	01:48:53.0	6.78	-73.17	143	2.2	0.5	100	20	LOS SANTOS (SANTANDER)
8019	Dic 25 2016	02:42:11.3	6.68	-76.65	29	1.3	0.6	151	12	VIGIA DEL FUERTE (ANTIOQUIA)
8020	Dic 25 2016	02:42:35.5	6.75	-73.18	143	1.1	0.4	229	8	VILLANUEVA (SANTANDER)
8021	Dic 25 2016	02:47:38.4	6.76	-73.17	146	1.2	0.3	231	10	LOS SANTOS (SANTANDER)
8022	Dic 25 2016	02:57:32.1	6.77	-73.15	145	1.5	0.5	137	16	LOS SANTOS (SANTANDER)
8023	Dic 25 2016	03:16:59.5	6.75	-73.15	144	3.1	0.7	65	57	LOS SANTOS (SANTANDER)
8024	Dic 25 2016	03:33:59.1	6.93	-73.16	153	1.4	0.5	127	10	BETULIA (SANTANDER)
8025	Dic 25 2016	03:43:15.8	6.75	-73.19	148	1.2	0.2	228	8	VILLANUEVA (SANTANDER)
8026	Dic 25 2016	04:00: 8.7	7.14	-77.06	32	1.6	0.5	171	8	RIOSUCIO (CHOCO)
8027	Dic 25 2016	04:18:36.4	2.12	-74.77	8	1.4	0.6	149	12	SAN VICENTE DEL CAGUAN (CAQUETA)
8028	Dic 25 2016	05:00: 6.1	6.78	-73.19	144	1.3	0.5	131	12	ZAPATOCA (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
8029	Dic 25 2016	05:03:35.7	7.35	-73.19	129	1.5	0.5	206	12	RIONEGRO (SANTANDER)
8030	Dic 25 2016	05:20:41.9	6.78	-73.18	140	1.0	0.4	133	12	LOS SANTOS (SANTANDER)
8031	Dic 25 2016	05:32:40.6	6.70	-73.21	146	1.1	0.3	208	8	VILLANUEVA (SANTANDER)
8032	Dic 25 2016	05:35:51.6	6.76	-73.17	144	1.8	0.6	97	15	LOS SANTOS (SANTANDER)
8033	Dic 25 2016	06:02:15.8	6.79	-73.18	143	1.7	0.6	131	14	ZAPATOCA (SANTANDER)
8034	Dic 25 2016	06:12:52.7	6.56	-73.63	104	0.8	0.4	128	8	EL CARMEN (SANTANDER)
8035	Dic 25 2016	06:36: 4.2	3.46	-74.11	32	1.3	0.3	135	11	MESETAS (META)
8036	Dic 25 2016	06:45:51.9	2.48	-75.36	27	1.2	0.4	297	8	ALGECIRAS (HUILA)
8037	Dic 25 2016	07:24:53.4	6.73	-73.17	137	0.9	0.3	229	9	VILLANUEVA (SANTANDER)
8038	Dic 25 2016	07:25:45.1	6.78	-73.20	143	1.1	0.3	130	11	ZAPATOCA (SANTANDER)
8039	Dic 25 2016	07:26:47.5	6.76	-73.25	144	1.0	0.2	210	7	ZAPATOCA (SANTANDER)
8040	Dic 25 2016	07:34:26.0	5.22	-74.67	8	1.2	0.8	148	12	HONDA (TOLIMA)
8041	Dic 25 2016	07:53:15.1	6.74	-73.22	139	1.0	0.5	216	8	ZAPATOCA (SANTANDER)
8042	Dic 25 2016	08:12: 0.4	6.06	-72.49	Sup	0.9	0.6	191	8	JERICO (BOYACA)
8043	Dic 25 2016	08:18:11.8	7.05	-73.08	152	1.1	0.5	256	9	FLORIDABLANCA (SANTANDER)
8044	Dic 25 2016	08:28: 4.5	6.31	-72.24	Sup	1.3	0.8	168	13	LA SALINA (CASANARE)
8045	Dic 25 2016	08:49:56.3	6.75	-73.15	133	1.2	0.5	138	14	LOS SANTOS (SANTANDER)
8046	Dic 25 2016	08:55: 3.5	6.64	-73.16	140	1.0	0.1	224	9	VILLANUEVA (SANTANDER)
8047	Dic 25 2016	09:08:23.5	6.73	-73.19	138	1.7	0.4	133	22	VILLANUEVA (SANTANDER)
8048	Dic 25 2016	09:31:55.8	6.78	-73.18	147	1.3	0.4	231	14	LOS SANTOS (SANTANDER)
8049	Dic 25 2016	09:48:23.6	6.69	-73.18	147	1.0	0.3	225	9	VILLANUEVA (SANTANDER)
8050	Dic 25 2016	10:09:59.7	6.80	-73.12	152	1.2	0.4	241	17	LOS SANTOS (SANTANDER)
8051	Dic 25 2016	10:11:31.0	6.78	-73.10	148	1.2	0.2	142	15	LOS SANTOS (SANTANDER)
8052	Dic 25 2016	10:18:25.9	6.56	-73.58	110	1.0	0.3	98	12	EL CARMEN (SANTANDER)
8053	Dic 25 2016	10:19:44.9	6.58	-73.18	151	1.0	0.3	188	11	PINCHOTE (SANTANDER)
8054	Dic 25 2016	10:47: 8.8	5.51	-73.94	118	1.2	0.4	100	21	BUENAVISTA (BOYACA)
8055	Dic 25 2016	11:08:45.4	6.97	-73.10	149	1.5	0.3	131	16	PIEDRECUESTA (SANTANDER)
8056	Dic 25 2016	11:21:30.2	5.82	-74.25	81	1.0	0.2	155	7	OTANCHE (BOYACA)
8057	Dic 25 2016	11:47:16.4	6.84	-73.28	122	1.7	0.4	108	23	ZAPATOCA (SANTANDER)
8058	Dic 25 2016	12:06:14.5	6.84	-73.34	123	1.6	0.4	107	14	ZAPATOCA (SANTANDER)
8059	Dic 25 2016	12:15:29.3	7.15	-73.83	84	1.3	0.4	184	10	BARRANCABERMEJA (SANTANDER)
8060	Dic 25 2016	12:18:54.4	6.69	-73.30	156	0.9	0.3	176	7	GALAN (SANTANDER)
8061	Dic 25 2016	12:52: 1.2	6.64	-73.28	148	0.9	0.3	162	9	GALAN (SANTANDER)
8062	Dic 25 2016	13:35:36.6	6.71	-73.20	154	1.1	0.4	220	8	VILLANUEVA (SANTANDER)
8063	Dic 25 2016	14:09:23.0	6.68	-73.21	148	1.7	0.2	211	10	VILLANUEVA (SANTANDER)
8064	Dic 25 2016	14:14:31.3	6.97	-72.34	21	1.3	0.0	299	8	CUBARA (BOYACA)
8065	Dic 25 2016	14:18:46.9	3.11	-78.55	20	1.6	0.5	267	13	O. PACIFICO SUR
8066	Dic 25 2016	14:29:16.7	6.78	-73.12	148	1.5	0.2	140	10	LOS SANTOS (SANTANDER)
8067	Dic 25 2016	14:45:16.2	6.78	-73.14	144	2.4	0.3	72	36	LOS SANTOS (SANTANDER)
8068	Dic 25 2016	15:13:23.5	7.70	-73.75	29	1.7	0.4	210	16	SAN PABLO (BOLIVAR)
8069	Dic 25 2016	15:47: 3.4	6.77	-73.16	148	1.0	0.4	233	10	LOS SANTOS (SANTANDER)
8070	Dic 25 2016	15:48:48.0	6.59	-73.51	15	1.3	0.3	119	12	EL CARMEN (SANTANDER)
8071	Dic 25 2016	16:06:36.3	6.77	-73.11	142	1.9	0.4	141	18	LOS SANTOS (SANTANDER)
8072	Dic 25 2016	16:15:27.4	7.24	-74.03	10	1.4	0.3	159	12	PUERTO WILCHES (SANTANDER)
8073	Dic 25 2016	16:22:57.2	1.91	-75.98	8	2.0	0.5	108	20	TIMANA (HUILA)
8074	Dic 25 2016	16:33:48.8	3.79	-76.10	23	1.0	0.6	149	7	GINEBRA (VALLE)
8075	Dic 25 2016	16:38: 0.4	5.95	-72.55	Sup	1.2	0.3	308	8	SOCOTA (BOYACA)
8076	Dic 25 2016	16:39: 6.9	5.98	-72.54	Sup	1.2	0.3	228	11	SOCOTA (BOYACA)
8077	Dic 25 2016	16:53:26.0	6.59	-73.24	138	1.1	0.4	133	11	CABRERA (SANTANDER)
8078	Dic 25 2016	17:01: 9.7	6.78	-73.15	146	2.3	0.5	136	21	LOS SANTOS (SANTANDER)
8079	Dic 25 2016	17:09: 9.4	6.89	-75.97	Sup	1.2	0.4	195	7	PEQUE (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
8080	Dic 25 2016	17:12:49.8	5.72	-78.03	32	1.8	0.6	212	12	O. PACIFICO NORTE
8081	Dic 25 2016	17:36:58.9	7.46	-73.19	130	2.2	0.7	99	25	EL PLAYON (SANTANDER)
8082	Dic 25 2016	17:46:49.1	2.71	-75.69	Sup	1.4	0.2	138	9	IQUIRA (HUILA)
8083	Dic 25 2016	19:00:17.8	5.97	-74.77	9	1.0	0.7	138	8	PUERTO TRIUNFO (ANTIOQUIA)
8084	Dic 25 2016	19:23:37.8	4.80	-74.65	13	1.3	0.7	115	11	SAN JUAN DE RIOSECO (CUNDINAMARCA)
8085	Dic 25 2016	19:30:31.1	7.17	-76.23	Sup	2.8	0.8	56	42	DABEIBA (ANTIOQUIA)
8086	Dic 25 2016	19:41:45.8	6.71	-72.86	Sup	2.7	0.4	91	40	MOLAGAVITA (SANTANDER)
8087	Dic 25 2016	19:46:42.6	6.74	-72.84	Sup	2.7	0.6	93	38	SAN ANDRES (SANTANDER)
8088	Dic 25 2016	20:30:54.8	6.79	-73.17	144	1.2	0.3	133	7	LOS SANTOS (SANTANDER)
8089	Dic 25 2016	20:31:49.4	10.16	-72.93	Sup	2.2	0.6	144	15	MANAURE BALCON CESAR (CESAR)
8090	Dic 25 2016	21:26:58.9	3.93	-76.28	116	1.5	0.4	118	15	BUGA (VALLE)
8091	Dic 25 2016	21:49:33.4	6.77	-73.14	150	0.9	0.2	137	7	LOS SANTOS (SANTANDER)
8092	Dic 25 2016	23:05: 2.0	2.28	-75.40	16	1.2	0.7	287	8	GIGANTE (HUILA)
8093	Dic 25 2016	23:15:56.6	6.78	-73.15	149	1.3	0.3	136	10	LOS SANTOS (SANTANDER)
8094	Dic 25 2016	23:22:47.0	6.75	-73.11	145	1.4	0.3	143	14	LOS SANTOS (SANTANDER)
8095	Dic 25 2016	23:35:24.4	6.81	-73.11	143	3.1	0.6	67	63	LOS SANTOS (SANTANDER)
8096	Dic 25 2016	23:41:16.3	6.79	-73.16	152	1.1	0.1	135	7	LOS SANTOS (SANTANDER)
8097	Dic 26 2016	00:40: 6.8	6.80	-73.14	149	2.2	0.4	73	35	LOS SANTOS (SANTANDER)
8098	Dic 26 2016	00:46:14.4	6.74	-73.13	143	2.1	0.4	94	31	LOS SANTOS (SANTANDER)
8099	Dic 26 2016	01:21:55.8	6.74	-73.20	154	0.9	0.3	227	8	VILLANUEVA (SANTANDER)
8100	Dic 26 2016	01:36:56.2	5.34	-73.64	143	1.3	0.5	107	19	GUACHETA (CUNDINAMARCA)
8101	Dic 26 2016	02:01:14.6	6.84	-72.95	146	1.2	0.3	258	12	CEPITA (SANTANDER)
8102	Dic 26 2016	02:14:33.1	4.78	-72.81	Sup	2.3	0.4	99	33	MONTERREY (CASANARE)
8103	Dic 26 2016	02:21:27.2	6.76	-73.14	150	0.9	0.3	235	7	LOS SANTOS (SANTANDER)
8104	Dic 26 2016	02:26:56.3	6.83	-73.31	122	1.0	0.3	206	10	ZAPATOCA (SANTANDER)
8105	Dic 26 2016	02:51:48.5	3.07	-74.96	Sup	1.2	0.6	173	10	BARAYA (HUILA)
8106	Dic 26 2016	03:13:25.6	2.25	-77.21	117	0.9	0.1	182	7	ARGELIA (CAUCA)
8107	Dic 26 2016	03:14:37.6	7.09	-76.17	Sup	1.3	0.5	128	12	DABEIBA (ANTIOQUIA)
8108	Dic 26 2016	03:32:49.4	6.77	-73.19	152	1.0	0.4	230	7	ZAPATOCA (SANTANDER)
8109	Dic 26 2016	03:52:38.8	6.77	-73.11	143	1.5	0.3	142	20	LOS SANTOS (SANTANDER)
8110	Dic 26 2016	03:58: 1.7	6.22	-73.71	102	1.2	0.2	121	13	LANDAZURI (SANTANDER)
8111	Dic 26 2016	04:28:46.0	4.83	-74.62	17	1.1	0.4	111	11	SAN JUAN DE RIOSECO (CUNDINAMARCA)
8112	Dic 26 2016	04:36:13.8	6.76	-73.17	150	0.6	0.3	232	7	LOS SANTOS (SANTANDER)
8113	Dic 26 2016	04:42:53.4	6.79	-73.15	145	1.4	0.4	136	16	LOS SANTOS (SANTANDER)
8114	Dic 26 2016	04:51:35.4	6.80	-73.14	142	2.5	0.5	71	51	LOS SANTOS (SANTANDER)
8115	Dic 26 2016	05:22:15.5	6.78	-73.11	143	1.5	0.3	141	16	LOS SANTOS (SANTANDER)
8116	Dic 26 2016	05:31:31.6	6.71	-73.13	147	1.5	0.4	142	18	JORDAN (SANTANDER)
8117	Dic 26 2016	05:31:47.1	7.43	-76.47	Sup	1.2	0.3	184	8	MUTATA (ANTIOQUIA)
8118	Dic 26 2016	05:36: 4.1	6.72	-73.20	148	1.1	0.3	225	9	VILLANUEVA (SANTANDER)
8119	Dic 26 2016	05:45:31.5	6.81	-73.12	147	2.2	0.5	67	41	LOS SANTOS (SANTANDER)
8120	Dic 26 2016	05:58:59.2	7.28	-74.01	23	0.6	0.2	196	10	PUERTO WILCHES (SANTANDER)
8121	Dic 26 2016	06:05:53.7	6.77	-73.13	144	1.4	0.4	140	16	LOS SANTOS (SANTANDER)
8122	Dic 26 2016	06:22:32.4	6.70	-73.74	91	0.6	0.3	136	7	EL CARMEN (SANTANDER)
8123	Dic 26 2016	06:31:24.7	8.10	-77.57	Sup	1.5	0.2	289	7	FRONTERA CON PANAMA
8124	Dic 26 2016	06:35:58.9	4.99	-74.77	17	1.0	0.3	94	15	ARMERO (TOLIMA)
8125	Dic 26 2016	06:44:32.5	6.56	-73.30	148	0.8	0.4	198	8	HATO (SANTANDER)
8126	Dic 26 2016	06:53:14.9	6.69	-73.25	146	1.0	0.2	195	6	BARICHARA (SANTANDER)
8127	Dic 26 2016	06:55:41.9	6.70	-73.19	148	1.1	0.2	223	10	VILLANUEVA (SANTANDER)
8128	Dic 26 2016	07:33:13.7	6.72	-73.19	147	0.9	0.3	225	7	VILLANUEVA (SANTANDER)
8129	Dic 26 2016	07:39:11.9	6.76	-73.18	151	1.1	0.2	231	10	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
8130	Dic 26 2016	07:53:59.8	6.77	-73.12	142	1.8	0.3	98	28	LOS SANTOS (SANTANDER)
8131	Dic 26 2016	08:47:55.5	6.80	-73.13	148	3.8	0.8	66	74	LOS SANTOS (SANTANDER)
8132	Dic 26 2016	10:06:58.3	6.79	-73.14	134	1.4	0.4	137	12	LOS SANTOS (SANTANDER)
8133	Dic 26 2016	10:07:36.0	6.74	-73.10	140	1.5	0.4	145	12	JORDAN (SANTANDER)
8134	Dic 26 2016	10:12:53.0	6.77	-73.14	146	2.3	0.4	98	30	LOS SANTOS (SANTANDER)
8135	Dic 26 2016	10:23:10.7	3.56	-74.49	69	1.3	0.3	239	8	URIBE (META)
8136	Dic 26 2016	11:10:23.3	6.94	-74.00	Sup	2.1	0.4	118	16	YONDO (ANTIOQUIA)
8137	Dic 26 2016	11:55:45.0	6.62	-73.60	100	1.4	0.5	120	10	EL CARMEN (SANTANDER)
8138	Dic 26 2016	12:16:40.7	5.70	-73.03	Sup	0.9	0.7	223	10	TIBASOSA (BOYACA)
8139	Dic 26 2016	12:29:14.2	6.85	-73.16	145	1.3	0.3	244	9	ZAPATOCA (SANTANDER)
8140	Dic 26 2016	12:48:34.5	5.28	-73.75	141	2.5	0.7	64	28	CUCUNUBA (CUNDINAMARCA)
8141	Dic 26 2016	13:32: 7.5	7.05	-76.21	Sup	3.0	0.7	101	37	DABEIBA (ANTIOQUIA)
8142	Dic 26 2016	13:46:19.9	2.57	-74.95	Sup	1.7	0.5	186	10	RIVERA (HUILA)
8143	Dic 26 2016	14:18: 1.1	6.76	-73.14	153	1.8	0.4	138	16	LOS SANTOS (SANTANDER)
8144	Dic 26 2016	14:32:56.5	6.15	-73.79	Sup	0.9	0.4	191	11	LANDAZURI (SANTANDER)
8145	Dic 26 2016	14:49:15.9	5.84	-72.73	Sup	0.8	0.4	251	8	GAMEZA (BOYACA)
8146	Dic 26 2016	14:51:17.8	6.80	-73.17	145	1.7	0.3	133	12	LOS SANTOS (SANTANDER)
8147	Dic 26 2016	15:03:44.8	6.78	-73.16	140	2.0	0.6	135	18	LOS SANTOS (SANTANDER)
8148	Dic 26 2016	15:13:11.1	6.25	-74.01	74	0.9	0.3	191	7	CIMITARRA (SANTANDER)
8149	Dic 26 2016	15:24:47.3	1.97	-75.89	Sup	0.8	0.4	117	9	TIMANA (HUILA)
8150	Dic 26 2016	15:41:41.4	6.78	-73.18	147	1.9	0.5	232	14	ZAPATOCA (SANTANDER)
8151	Dic 26 2016	16:00: 1.6	6.84	-73.16	145	1.7	0.4	146	12	ZAPATOCA (SANTANDER)
8152	Dic 26 2016	17:10:44.9	6.79	-73.14	146	2.4	0.5	101	30	LOS SANTOS (SANTANDER)
8153	Dic 26 2016	17:44:10.3	6.69	-73.13	145	1.5	0.4	143	14	JORDAN (SANTANDER)
8154	Dic 26 2016	18:20:16.6	7.11	-76.16	Sup	1.8	0.4	200	10	DABEIBA (ANTIOQUIA)
<u>8155</u>	<u>Dic 26 2016</u>	<u>19:40:21.8</u>	<u>5.76</u>	<u>-73.10</u>	<u>Sup</u>	<u>2.7</u>	<u>0.8</u>	<u>85</u>	<u>36</u>	<u>PAIPA (BOYACA)</u>
8156	Dic 26 2016	21:13: 4.4	2.45	-75.49	18	2.1	0.4	91	12	GIGANTE (HUILA)
8157	Dic 26 2016	21:37:53.9	6.76	-73.14	133	1.8	0.3	138	16	LOS SANTOS (SANTANDER)
8158	Dic 26 2016	22:16:13.2	6.80	-73.17	140	1.8	0.3	133	18	LOS SANTOS (SANTANDER)
8159	Dic 26 2016	22:55:12.4	5.98	-72.95	Sup	0.7	0.5	244	7	CERINZA (BOYACA)
8160	Dic 26 2016	23:53:54.3	6.21	-77.68	16	2.3	0.4	260	19	O. PACIFICO NORTE
8161	Dic 27 2016	00:35: 0.1	6.71	-73.25	147	1.1	0.2	218	10	GALAN (SANTANDER)
8162	Dic 27 2016	01:00:41.4	6.79	-73.16	147	1.5	0.3	134	18	LOS SANTOS (SANTANDER)
8163	Dic 27 2016	01:07:57.1	6.77	-73.14	154	1.3	0.1	236	8	LOS SANTOS (SANTANDER)
8164	Dic 27 2016	01:37:15.9	6.79	-73.15	149	1.3	0.3	135	12	LOS SANTOS (SANTANDER)
8165	Dic 27 2016	01:45:43.9	6.48	-74.91	20	0.8	0.8	223	7	SAN ROQUE (ANTIOQUIA)
8166	Dic 27 2016	01:57:58.5	2.04	-75.79	16	0.5	0.0	174	7	ALTAMIRA (HUILA)
8167	Dic 27 2016	02:04:27.3	6.36	-73.50	Sup	1.1	0.2	142	10	CONTRATACION (SANTANDER)
8168	Dic 27 2016	02:27:23.5	6.71	-73.20	151	0.9	0.2	222	7	VILLANUEVA (SANTANDER)
8169	Dic 27 2016	03:00:32.2	6.81	-73.12	154	4.1	0.5	67	0	LOS SANTOS (SANTANDER)
<u>8170</u>	<u>Dic 27 2016</u>	<u>03:00:32.2</u>	<u>6.81</u>	<u>-73.12</u>	<u>154</u>	<u>4.1</u>	<u>0.5</u>	<u>67</u>	<u>84</u>	<u>LOS SANTOS (SANTANDER)</u>
8171	Dic 27 2016	03:12:49.0	11.36	-72.94	Sup	1.8	0.2	169	10	MANAURE BALCON CESAR (CESAR)
8172	Dic 27 2016	03:23:27.4	6.75	-73.06	149	1.1	0.1	149	9	JORDAN (SANTANDER)
8173	Dic 27 2016	03:27:46.8	6.80	-73.13	145	2.2	0.4	72	40	LOS SANTOS (SANTANDER)
8174	Dic 27 2016	04:32:26.3	5.60	-74.30	69	1.5	0.4	73	32	LA VICTORIA (BOYACA)
8175	Dic 27 2016	04:41:20.2	2.71	-75.70	Sup	1.7	0.4	83	24	IQUIRA (HUILA)
8176	Dic 27 2016	05:13:23.4	6.76	-73.11	142	1.6	0.2	143	23	LOS SANTOS (SANTANDER)
8177	Dic 27 2016	05:20:17.9	6.73	-73.15	149	1.0	0.4	231	8	LOS SANTOS (SANTANDER)
8178	Dic 27 2016	05:43:38.2	6.76	-73.12	141	1.5	0.4	141	22	LOS SANTOS (SANTANDER)
8179	Dic 27 2016	05:51: 9.1	6.74	-73.13	142	1.2	0.2	140	11	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
8180	Dic 27 2016	06:14:19.8	5.25	-76.14	74	1.2	0.1	171	8	PUEBLO RICO (RISARALDA)
8181	Dic 27 2016	06:21:35.3	6.78	-73.14	145	1.0	0.3	137	10	LOS SANTOS (SANTANDER)
8182	Dic 27 2016	06:58:47.0	7.76	-73.18	132	1.3	0.3	231	14	CACHIRA (N.SANTANDER)
8183	Dic 27 2016	07:03:27.5	3.44	-76.40	129	1.0	0.3	176	8	CANDELARIA (VALLE)
8184	Dic 27 2016	07:04:44.1	6.78	-73.15	146	1.1	0.3	136	12	LOS SANTOS (SANTANDER)
8185	Dic 27 2016	07:13:37.6	6.86	-73.10	122	0.9	0.5	138	8	LOS SANTOS (SANTANDER)
8186	Dic 27 2016	07:26:17.9	6.53	-73.59	Sup	1.8	0.6	71	28	EL CARMEN (SANTANDER)
8187	Dic 27 2016	07:36: 7.5	6.81	-73.13	140	1.3	0.3	138	14	LOS SANTOS (SANTANDER)
8188	Dic 27 2016	07:37:13.1	7.39	-73.17	130	1.1	0.3	183	12	EL PLAYON (SANTANDER)
8189	Dic 27 2016	07:39:18.0	6.76	-73.14	152	1.1	0.2	139	12	LOS SANTOS (SANTANDER)
8190	Dic 27 2016	07:58: 8.3	6.76	-73.13	144	1.0	0.2	139	11	LOS SANTOS (SANTANDER)
8191	Dic 27 2016	08:06:37.5	6.03	-73.54	123	1.0	0.4	192	10	SAN JOSE DE PARE (BOYACA)
8192	Dic 27 2016	08:29: 2.3	6.72	-73.17	149	1.4	0.4	229	10	VILLANUEVA (SANTANDER)
8193	Dic 27 2016	08:46: 0.1	6.72	-73.18	148	1.2	0.3	227	8	VILLANUEVA (SANTANDER)
8194	Dic 27 2016	09:41:12.7	7.12	-76.37	41	1.4	0.4	221	8	MUTATA (ANTIOQUIA)
8195	Dic 27 2016	09:54: 9.1	5.95	-73.76	94	1.2	0.4	151	10	BOLIVAR (SANTANDER)
8196	Dic 27 2016	10:29:49.4	6.70	-73.11	146	1.1	0.4	144	12	JORDAN (SANTANDER)
8197	Dic 27 2016	10:58: 1.6	7.05	-73.40	118	1.2	0.4	141	12	SAN VICENTE DE CHUCURI (SANTANDER)
8198	Dic 27 2016	10:58:55.4	11.29	-74.40	15	2.4	0.8	231	21	MAR CARIBE
8199	Dic 27 2016	11:52:58.2	6.82	-73.16	146	1.9	0.6	133	18	LOS SANTOS (SANTANDER)
8200	Dic 27 2016	12:05:28.0	6.74	-73.17	144	1.4	0.4	136	12	LOS SANTOS (SANTANDER)
8201	Dic 27 2016	12:12:36.0	6.81	-73.16	144	2.7	0.4	103	22	LOS SANTOS (SANTANDER)
8202	Dic 27 2016	12:12:36.2	6.81	-73.16	142	2.7	0.6	104	34	LOS SANTOS (SANTANDER)
8203	Dic 27 2016	12:36: 8.6	6.76	-73.17	143	1.6	0.3	135	14	LOS SANTOS (SANTANDER)
8204	Dic 27 2016	12:59:19.0	6.79	-73.09	137	1.4	0.6	144	14	LOS SANTOS (SANTANDER)
8205	Dic 27 2016	13:37:38.4	5.38	-74.04	114	1.9	0.5	95	20	SAN CAYETANO (CUNDINAMARCA)
8206	Dic 27 2016	14:03:44.1	6.74	-73.24	151	1.3	0.3	224	9	ZAPATOCA (SANTANDER)
8207	Dic 27 2016	14:53:47.0	3.45	-76.56	105	1.8	0.5	189	18	CALI (VALLE)
8208	Dic 27 2016	15:11:56.0	6.57	-73.52	112	1.8	0.4	102	12	EL CARMEN (SANTANDER)
8209	Dic 27 2016	18:47: 3.4	5.28	-73.81	140	1.9	0.5	123	20	UBATE (CUNDINAMARCA)
8210	Dic 27 2016	19:19:20.6	7.20	-75.76	20	2.9	0.7	63	45	ITUANGO (ANTIOQUIA)
8211	Dic 27 2016	19:31:16.8	6.53	-73.53	111	1.8	0.5	64	18	EL CARMEN (SANTANDER)
8212	Dic 27 2016	19:31:25.4	2.37	-75.43	16	2.1	0.4	97	16	GIGANTE (HUILA)
8213	Dic 27 2016	19:55:46.3	8.46	-74.99	14	1.9	0.5	190	15	AYAPEL (CORDOBA)
8214	Dic 27 2016	21:01:45.9	5.92	-74.83	Sup	1.1	0.4	94	14	SAN LUIS (ANTIOQUIA)
8215	Dic 27 2016	21:13:58.4	5.09	-77.44	27	1.3	0.2	274	7	O. PACIFICO CENTRO
8216	Dic 27 2016	21:31:13.8	6.75	-73.20	129	1.5	0.4	227	13	ZAPATOCA (SANTANDER)
8217	Dic 27 2016	22:51:38.1	6.79	-73.15	138	2.0	0.4	135	21	LOS SANTOS (SANTANDER)
8218	Dic 27 2016	23:37:38.0	6.78	-73.13	143	1.4	0.3	138	14	LOS SANTOS (SANTANDER)
8219	Dic 27 2016	23:40:40.0	6.77	-73.20	141	1.3	0.2	142	7	ZAPATOCA (SANTANDER)
8220	Dic 28 2016	00:04:22.0	5.27	-73.74	141	1.1	0.2	132	12	CUCUNUBA (CUNDINAMARCA)
8221	Dic 28 2016	01:05:12.4	6.78	-73.12	143	2.0	0.4	72	30	LOS SANTOS (SANTANDER)
8222	Dic 28 2016	01:20:47.4	3.40	-74.77	Sup	1.8	0.4	154	30	COLOMBIA (HUILA)
8223	Dic 28 2016	01:23:52.6	6.41	-73.55	108	1.1	0.4	140	9	SANTA HELENA DEL OPOON (SANTANDER)
8224	Dic 28 2016	01:32:44.2	2.21	-75.95	Sup	0.8	0.2	170	8	LA ARGENTINA (HUILA)
8225	Dic 28 2016	02:32:54.3	5.22	-72.72	Sup	1.3	0.6	113	16	RECETOR (CASANARE)
8226	Dic 28 2016	02:44:11.0	6.80	-73.16	143	0.9	0.1	235	7	LOS SANTOS (SANTANDER)
8227	Dic 28 2016	02:56:13.8	7.15	-76.25	Sup	1.1	0.5	167	9	DABEIBA (ANTIOQUIA)
8228	Dic 28 2016	03:09:42.3	6.81	-73.11	151	2.1	0.4	68	34	LOS SANTOS (SANTANDER)
8229	Dic 28 2016	03:16: 6.8	7.86	-75.18	21	1.6	0.5	209	12	CAUCASIA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
8230	Dic 28 2016	03:52: 7.9	5.61	-74.38	82	1.0	0.1	102	11	YACOPI (CUNDINAMARCA)
8231	Dic 28 2016	03:55:49.7	6.78	-73.12	155	1.0	0.3	239	8	LOS SANTOS (SANTANDER)
8232	Dic 28 2016	04:00:48.1	5.79	-75.97	57	1.3	0.4	135	10	BETANIA (ANTIOQUIA)
8233	Dic 28 2016	04:48:36.2	7.71	-74.83	26	3.1	0.8	70	60	EL BAGRE (ANTIOQUIA)
8234	Dic 28 2016	04:57:21.3	6.65	-73.22	157	1.1	0.4	217	8	BARICHARA (SANTANDER)
8235	Dic 28 2016	05:05: 5.2	1.81	-77.07	150	4.5	0.5	54	0	MERCADERES (CAUCA)
<u>8236</u>	<u>Dic 28 2016</u>	<u>05:05: 5.2</u>	<u>1.81</u>	<u>-77.07</u>	<u>150</u>	<u>4.5</u>	<u>0.5</u>	<u>54</u>	<u>102</u>	<u>MERCADERES (CAUCA)</u>
8237	Dic 28 2016	05:21:53.0	4.74	-76.09	96	0.9	0.2	130	8	ARGELIA (VALLE)
8238	Dic 28 2016	05:31:19.1	2.71	-75.69	Sup	1.1	0.3	139	10	IQUIRA (HUILA)
8239	Dic 28 2016	05:32:15.1	4.77	-76.15	108	0.9	0.1	121	9	ARGELIA (VALLE)
8240	Dic 28 2016	05:47:45.4	6.03	-73.80	99	0.7	0.4	131	10	EL PENON (SANTANDER)
8241	Dic 28 2016	05:51:47.8	6.80	-73.13	146	1.1	0.3	137	14	LOS SANTOS (SANTANDER)
8242	Dic 28 2016	05:59:43.3	6.75	-73.11	143	1.3	0.3	142	11	LOS SANTOS (SANTANDER)
8243	Dic 28 2016	06:13: 3.6	7.12	-76.07	9	1.1	0.4	95	10	PEQUE (ANTIOQUIA)
8244	Dic 28 2016	06:17:26.2	6.78	-73.12	133	1.2	0.3	239	10	LOS SANTOS (SANTANDER)
8245	Dic 28 2016	06:27:32.7	8.05	-73.84	16	2.1	0.6	104	29	SIMITI (BOLIVAR)
8246	Dic 28 2016	07:12:20.8	6.80	-73.12	145	1.9	0.4	121	29	LOS SANTOS (SANTANDER)
8247	Dic 28 2016	07:17:14.5	4.38	-76.28	113	1.3	0.3	173	14	BOLIVAR (VALLE)
8248	Dic 28 2016	08:12:17.0	6.76	-73.13	146	1.3	0.4	139	12	LOS SANTOS (SANTANDER)
8249	Dic 28 2016	09:30: 0.7	6.19	-73.53	121	1.3	0.3	82	15	AGUADA (SANTANDER)
8250	Dic 28 2016	09:46:10.7	9.09	-73.54	117	2.0	0.4	135	20	CURUMANI (CESAR)
8251	Dic 28 2016	09:58:41.2	6.76	-73.10	142	1.5	0.7	144	12	LOS SANTOS (SANTANDER)
8252	Dic 28 2016	09:58:40.9	6.78	-73.12	147	1.2	0.6	140	12	LOS SANTOS (SANTANDER)
8253	Dic 28 2016	10:05:32.7	6.78	-73.23	139	1.2	0.3	121	9	ZAPATOCA (SANTANDER)
8254	Dic 28 2016	10:20:42.8	6.76	-73.15	144	1.5	0.4	136	12	LOS SANTOS (SANTANDER)
8255	Dic 28 2016	10:54:34.8	6.78	-73.18	137	1.4	0.4	133	14	LOS SANTOS (SANTANDER)
8256	Dic 28 2016	11:52:56.7	7.12	-77.07	21	1.7	0.7	232	15	RIOSUCIO (CHOCO)
8257	Dic 28 2016	12:14:41.5	6.85	-73.35	122	1.4	0.6	107	14	SAN VICENTE DE CHUCURI (SANTANDER)
8258	Dic 28 2016	12:35:42.8	7.34	-73.17	131	1.7	0.6	176	16	RIONEGRO (SANTANDER)
8259	Dic 28 2016	14:18:14.4	6.72	-73.22	101	1.4	0.5	120	12	VILLANUEVA (SANTANDER)
8260	Dic 28 2016	14:45:55.0	3.61	-76.20	Sup	2.0	0.5	144	24	GINEBRA (VALLE)
8261	Dic 28 2016	14:47:15.8	3.64	-76.20	17	1.5	0.7	142	19	GINEBRA (VALLE)
8262	Dic 28 2016	14:52:45.1	6.84	-73.16	140	1.5	0.5	132	14	LOS SANTOS (SANTANDER)
8263	Dic 28 2016	14:52:45.1	6.84	-73.16	140	1.5	0.5	132	14	LOS SANTOS (SANTANDER)
8264	Dic 28 2016	15:03:57.4	5.32	-73.09	Sup	1.4	0.3	221	10	ZETAQUIRA (BOYACA)
8265	Dic 28 2016	15:34:53.3	6.89	-76.65	Sup	2.2	0.7	113	24	MURINDO (ANTIOQUIA)
8266	Dic 28 2016	16:20:52.3	6.79	-73.16	149	1.6	0.5	134	18	LOS SANTOS (SANTANDER)
8267	Dic 28 2016	17:24:43.3	6.78	-73.15	145	1.6	0.5	136	14	LOS SANTOS (SANTANDER)
8268	Dic 28 2016	17:37:29.7	6.79	-73.16	145	1.5	0.2	135	13	LOS SANTOS (SANTANDER)
8269	Dic 28 2016	18:42:33.8	5.63	-72.83	Sup	2.5	0.6	102	30	MONGUI (BOYACA)
8270	Dic 28 2016	18:56:23.5	6.83	-73.14	145	1.4	0.2	135	11	LOS SANTOS (SANTANDER)
8271	Dic 28 2016	19:02:31.2	6.78	-73.17	136	1.5	0.3	133	9	LOS SANTOS (SANTANDER)
8272	Dic 28 2016	19:09:27.3	7.08	-75.86	Sup	2.0	0.5	68	24	PEQUE (ANTIOQUIA)
8273	Dic 28 2016	19:21:13.1	6.77	-73.17	141	1.7	0.6	135	16	LOS SANTOS (SANTANDER)
8274	Dic 28 2016	19:47: 5.7	5.95	-73.69	113	1.2	0.3	86	12	GUAVATA (SANTANDER)
8275	Dic 28 2016	21:22:53.3	2.83	-76.18	160	2.2	0.4	141	19	TORIBIO (CAUCA)
8276	Dic 28 2016	23:29:16.3	6.77	-73.40	109	1.4	0.3	109	10	SAN VICENTE DE CHUCURI (SANTANDER)
8277	Dic 29 2016	00:40:20.8	7.72	-74.31	61	1.3	0.3	216	11	SANTA ROSA DEL SUR (BOLIVAR)
8278	Dic 29 2016	00:59:25.0	6.05	-73.69	116	1.7	0.4	77	15	VELEZ (SANTANDER)
8279	Dic 29 2016	01:53:52.6	7.07	-76.23	13	1.0	0.6	237	7	DABEIBA (ANTIOQUIA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
8280	Dic 29 2016	02:21:50.0	5.77	-73.88	114	2.0	0.5	51	42	ALBANIA (SANTANDER)
8281	Dic 29 2016	02:25: 8.0	6.82	-73.13	150	2.3	0.5	74	40	LOS SANTOS (SANTANDER)
8282	Dic 29 2016	02:36:18.7	6.81	-73.09	143	1.0	0.3	244	10	LOS SANTOS (SANTANDER)
8283	Dic 29 2016	02:40:45.1	3.54	-76.56	100	1.6	0.4	190	15	YUMBO (VALLE)
8284	Dic 29 2016	02:56:10.8	6.79	-73.10	149	1.7	0.3	123	23	LOS SANTOS (SANTANDER)
8285	Dic 29 2016	02:57:45.2	4.78	-74.69	11	1.3	0.4	113	14	BELTRAN (CUNDINAMARCA)
8286	Dic 29 2016	03:05:37.9	5.34	-73.18	Sup	1.0	0.4	207	10	RONDON (BOYACA)
8287	Dic 29 2016	03:05:55.5	5.01	-77.68	29	1.7	0.7	296	14	O. PACIFICO CENTRO
8288	Dic 29 2016	03:29:33.2	6.83	-73.12	142	1.5	0.4	137	20	LOS SANTOS (SANTANDER)
8289	Dic 29 2016	03:58:51.7	7.18	-76.20	Sup	1.1	0.4	149	12	DABEIBA (ANTIOQUIA)
8290	Dic 29 2016	04:09:10.7	6.76	-73.15	143	1.4	0.4	137	14	LOS SANTOS (SANTANDER)
8291	Dic 29 2016	04:22:29.0	6.82	-73.14	148	3.0	0.5	105	58	LOS SANTOS (SANTANDER)
8292	Dic 29 2016	05:44:32.6	6.04	-74.28	65	1.1	0.2	202	9	PUERTO BOYACA (BOYACA)
8293	Dic 29 2016	06:11:40.2	5.51	-76.56	23	1.4	0.3	246	10	LORO (CHOCO)
8294	Dic 29 2016	06:28:17.4	6.78	-73.13	143	1.8	0.4	138	15	LOS SANTOS (SANTANDER)
8295	Dic 29 2016	06:33:46.8	1.95	-75.87	7	2.2	0.3	95	18	TIMANA (HUILA)
8296	Dic 29 2016	06:41: 3.0	6.06	-77.66	Sup	2.0	0.4	242	18	O. PACIFICO NORTE
8297	Dic 29 2016	08:00:43.7	6.72	-73.26	136	1.7	0.4	200	16	ZAPATOCA (SANTANDER)
8298	Dic 29 2016	08:07:30.7	5.73	-74.10	58	0.9	0.0	272	8	SAN PABLO DE BORBUR (BOYACA)
8299	Dic 29 2016	08:40:53.8	6.67	-73.18	140	1.4	0.3	228	8	VILLANUEVA (SANTANDER)
8300	Dic 29 2016	08:49: 6.7	6.74	-73.12	143	1.8	0.5	141	19	LOS SANTOS (SANTANDER)
8301	Dic 29 2016	08:56:16.5	5.88	-73.60	124	1.8	0.3	97	18	MONQUIRA (BOYACA)
8302	Dic 29 2016	09:01:43.4	6.76	-73.12	142	2.1	0.4	141	22	LOS SANTOS (SANTANDER)
8303	Dic 29 2016	09:35:27.8	7.19	-76.24	Sup	1.3	0.4	242	10	MUTATA (ANTIOQUIA)
8304	Dic 29 2016	10:08:50.6	6.80	-73.16	144	2.8	0.4	103	31	LOS SANTOS (SANTANDER)
8305	Dic 29 2016	10:14:11.4	7.16	-75.85	16	2.2	0.6	57	35	ITUANGO (ANTIOQUIA)
8306	Dic 29 2016	10:59:12.5	6.69	-73.29	145	1.2	0.4	196	8	GALAN (SANTANDER)
8307	Dic 29 2016	12:13:28.8	6.59	-73.57	102	1.5	0.5	65	18	EL CARMEN (SANTANDER)
8308	Dic 29 2016	12:26: 8.8	5.72	-74.42	13	1.3	0.4	96	18	OTANCHE (BOYACA)
8309	Dic 29 2016	12:58: 9.6	6.76	-73.19	149	1.7	0.6	132	18	ZAPATOCA (SANTANDER)
8310	Dic 29 2016	13:48:46.5	5.96	-73.69	109	0.9	0.3	149	8	GUAVATA (SANTANDER)
8311	Dic 29 2016	13:51:37.0	3.69	-74.05	Sup	1.3	0.6	132	18	LEJANIAS (META)
8312	Dic 29 2016	14:01:42.2	6.57	-73.70	27	1.2	0.5	140	8	EL CARMEN (SANTANDER)
8313	Dic 29 2016	14:15:33.4	3.28	-76.40	21	1.5	0.4	174	10	PUERTO TEJADA (CAUCA)
8314	Dic 29 2016	15:02:51.4	6.77	-73.16	140	2.7	0.5	97	32	LOS SANTOS (SANTANDER)
8315	Dic 29 2016	16:06:24.5	1.19	-77.17	Sup	1.8	0.5	205	12	PASTO (NARINO)
8316	Dic 29 2016	16:13:11.0	6.79	-73.17	146	1.3	0.2	142	8	LOS SANTOS (SANTANDER)
8317	Dic 29 2016	16:19:38.7	6.79	-73.16	148	1.4	0.4	134	9	LOS SANTOS (SANTANDER)
8318	Dic 29 2016	17:24:55.0	6.45	-73.43	84	1.0	0.5	127	9	SIMACOTA (SANTANDER)
8319	Dic 29 2016	18:18: 9.0	3.69	-74.14	Sup	2.0	0.5	122	31	LEJANIAS (META)
8320	Dic 29 2016	19:34:59.4	6.79	-73.15	141	1.4	0.4	135	12	LOS SANTOS (SANTANDER)
8321	Dic 29 2016	20:13: 4.8	7.69	-74.52	27	2.8	0.5	94	33	EL BAGRE (ANTIOQUIA)
8322	Dic 29 2016	20:31:20.6	6.77	-73.13	136	1.6	0.3	140	13	LOS SANTOS (SANTANDER)
8323	Dic 29 2016	20:51:59.0	6.77	-73.16	137	2.0	0.4	135	20	LOS SANTOS (SANTANDER)
8324	Dic 29 2016	21:01:49.6	6.78	-73.16	136	1.9	0.3	135	16	LOS SANTOS (SANTANDER)
8325	Dic 29 2016	23:14: 3.2	6.78	-73.17	142	2.3	0.3	100	27	LOS SANTOS (SANTANDER)
8326	Dic 29 2016	23:40:41.1	6.94	-74.01	17	1.8	0.4	118	15	YONDO (ANTIOQUIA)
8327	Dic 30 2016	00:06:55.0	6.81	-73.15	146	1.2	0.2	143	11	LOS SANTOS (SANTANDER)
8328	Dic 30 2016	00:19:34.1	6.79	-73.14	142	1.2	0.4	137	15	LOS SANTOS (SANTANDER)
8329	Dic 30 2016	00:26: 4.7	6.62	-73.38	148	1.1	0.2	191	9	GALAN (SANTANDER)



Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
8330	Dic 30 2016	00:51: 9.3	6.83	-73.12	151	2.8	0.5	119	58	LOS SANTOS (SANTANDER)
8331	Dic 30 2016	00:58: 6.0	10.56	-73.48	Sup	1.9	0.2	174	9	PUEBLO BELLO (CESAR)
8332	Dic 30 2016	01:00:53.8	6.78	-73.14	139	1.6	0.4	137	24	LOS SANTOS (SANTANDER)
8333	Dic 30 2016	01:12:49.1	6.78	-73.13	148	1.2	0.4	138	11	LOS SANTOS (SANTANDER)
8334	Dic 30 2016	01:22: 7.6	7.71	-73.34	128	1.0	0.4	269	7	SAN ALBERTO (CESAR)
8335	Dic 30 2016	02:19:37.0	6.79	-73.15	147	0.9	0.3	135	8	LOS SANTOS (SANTANDER)
8336	Dic 30 2016	02:36:19.0	8.57	-74.07	Sup	2.0	0.6	172	22	ARENAL (BOLIVAR)
8337	Dic 30 2016	02:42: 3.8	5.54	-73.83	132	1.8	0.3	62	32	CALDAS (BOYACA)
8338	Dic 30 2016	02:43:52.1	6.84	-73.13	144	2.6	0.6	70	51	LOS SANTOS (SANTANDER)
8339	Dic 30 2016	02:57:23.8	5.01	-72.88	Sup	2.2	0.5	99	34	TAURAMENA (CASANARE)
8340	Dic 30 2016	03:00:43.1	6.82	-73.15	151	1.0	0.2	134	9	LOS SANTOS (SANTANDER)
8341	Dic 30 2016	03:18:28.0	6.77	-73.17	147	1.1	0.4	233	12	LOS SANTOS (SANTANDER)
8342	Dic 30 2016	03:44: 3.1	6.82	-73.10	150	2.2	0.6	69	43	LOS SANTOS (SANTANDER)
8343	Dic 30 2016	03:59:50.9	6.69	-73.16	160	0.8	0.3	228	7	VILLANUEVA (SANTANDER)
8344	Dic 30 2016	04:32:16.6	6.76	-73.14	95	0.8	0.3	234	7	LOS SANTOS (SANTANDER)
8345	Dic 30 2016	04:34:46.0	6.72	-73.17	137	1.1	0.3	228	7	VILLANUEVA (SANTANDER)
8346	Dic 30 2016	04:37: 3.6	6.72	-73.20	142	1.2	0.4	225	8	VILLANUEVA (SANTANDER)
8347	Dic 30 2016	04:37:14.7	7.14	-77.39	Sup	1.7	0.4	137	14	JURADO (CHOCO)
8348	Dic 30 2016	04:51: 7.9	6.01	-73.92	95	1.1	0.2	142	10	EL PENON (SANTANDER)
8349	Dic 30 2016	05:17:12.1	4.72	-74.88	8	1.8	0.5	109	29	VENADILLO (TOLIMA)
8350	Dic 30 2016	06:05:18.6	4.72	-74.81	75	1.1	0.1	197	7	AMBALEMA (TOLIMA)
8351	Dic 30 2016	07:05:31.3	6.87	-76.31	Sup	2.3	0.5	65	48	DABEIBA (ANTIOQUIA)
8352	Dic 30 2016	07:12:35.7	6.74	-73.12	145	0.9	0.2	235	8	LOS SANTOS (SANTANDER)
8353	Dic 30 2016	07:32:30.5	6.80	-73.13	144	1.5	0.4	138	18	LOS SANTOS (SANTANDER)
8354	Dic 30 2016	08:08:45.3	5.06	-72.88	Sup	1.1	0.4	150	11	CHAMEZA (CASANARE)
8355	Dic 30 2016	08:10:33.4	5.02	-72.90	Sup	2.0	0.4	132	28	MONTERREY (CASANARE)
8356	Dic 30 2016	08:12:43.6	7.47	-73.25	127	1.4	0.2	193	17	EL PLAYON (SANTANDER)
8357	Dic 30 2016	08:29:42.8	6.65	-73.14	154	1.1	0.3	227	10	VILLANUEVA (SANTANDER)
8358	Dic 30 2016	08:44:15.4	7.08	-76.25	12	1.4	0.2	239	8	DABEIBA (ANTIOQUIA)
8359	Dic 30 2016	08:45:38.2	5.05	-73.00	Sup	1.6	0.5	113	19	PAEZ (BOYACA)
8360	Dic 30 2016	08:53:17.6	6.69	-76.81	16	1.2	0.3	252	13	VIGIA DEL FUERTE (ANTIOQUIA)
8361	Dic 30 2016	09:27:25.0	5.04	-72.91	Sup	1.3	0.6	147	10	PAEZ (BOYACA)
8362	Dic 30 2016	09:36:44.8	5.80	-73.61	143	1.6	0.2	105	16	MONIQUIRA (BOYACA)
8363	Dic 30 2016	09:59:16.7	7.42	-72.80	115	1.1	0.6	214	10	CUCUTILLA (N.SANTANDER)
8364	Dic 30 2016	09:59:23.5	6.71	-73.10	138	0.9	0.4	236	8	JORDAN (SANTANDER)
8365	Dic 30 2016	10:25:28.8	6.86	-73.14	146	2.9	0.7	69	34	LOS SANTOS (SANTANDER)
8366	Dic 30 2016	11:03:25.7	6.73	-73.19	145	1.2	0.5	227	8	VILLANUEVA (SANTANDER)
8367	Dic 30 2016	11:07:32.7	6.80	-73.16	147	1.7	0.5	235	12	LOS SANTOS (SANTANDER)
8368	Dic 30 2016	11:09:42.7	6.79	-73.14	153	1.9	0.5	220	15	LOS SANTOS (SANTANDER)
8369	Dic 30 2016	11:17: 2.6	6.77	-73.16	141	2.2	0.5	136	18	LOS SANTOS (SANTANDER)
8370	Dic 30 2016	11:44:21.0	3.45	-74.72	26	2.1	0.6	89	26	COLOMBIA (HUILA)
8371	Dic 30 2016	12:36: 9.5	6.78	-73.15	145	2.7	0.5	99	28	LOS SANTOS (SANTANDER)
8372	Dic 30 2016	13:11:11.5	6.79	-73.13	142	2.3	0.5	100	24	LOS SANTOS (SANTANDER)
8373	Dic 30 2016	13:16:46.7	6.84	-73.14	143	2.4	0.5	106	32	LOS SANTOS (SANTANDER)
8374	Dic 30 2016	15:33:29.6	6.82	-73.12	156	1.3	0.2	247	8	LOS SANTOS (SANTANDER)
8375	Dic 30 2016	16:26:56.6	6.72	-76.68	30	1.3	0.3	149	8	VIGIA DEL FUERTE (ANTIOQUIA)
8376	Dic 30 2016	17:17: 6.5	6.81	-73.14	145	1.7	0.5	136	12	LOS SANTOS (SANTANDER)
8377	Dic 30 2016	17:49:11.7	6.83	-73.14	133	2.2	0.5	111	31	LOS SANTOS (SANTANDER)
8378	Dic 30 2016	17:58:46.4	7.29	-75.49	6	1.7	0.7	123	12	VALDIVIA (ANTIOQUIA)
8379	Dic 30 2016	18:34:59.5	6.71	-73.20	146	1.5	0.4	224	13	VILLANUEVA (SANTANDER)
8380	Dic 30 2016	19:07:44.9	4.75	-74.73	Sup	2.2	0.4	114	33	AMBALEMA (TOLIMA)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	Nº	UBICACION
8381	Dic 30 2016	19:17:38.7	6.67	-76.69	7	1.6	0.2	227	10	VIGIA DEL FUERTE (ANTIOQUIA)
8382	Dic 30 2016	19:56:51.7	5.56	-74.60	26	1.0	0.1	122	9	PUERTO SALGAR (CUNDINAMARCA)
8383	Dic 30 2016	20:06:11.4	4.14	-76.19	142	1.8	0.5	131	19	ANDALUCIA (VALLE)
8384	Dic 30 2016	20:16:19.2	5.50	-74.73	Sup	1.3	0.7	71	15	LA DORADA (CALDAS)
8385	Dic 30 2016	20:32:34.0	6.79	-73.14	149	1.9	0.5	138	15	LOS SANTOS (SANTANDER)
8386	Dic 30 2016	21:11:53.2	4.95	-76.01	112	1.4	0.5	101	10	MAR CARIBE
8387	Dic 30 2016	21:11:56.8	11.35	-73.45	Sup	1.8	0.5	180	10	PUEBLO BELLO (CESAR)
8388	Dic 30 2016	22:13:10.1	6.18	-73.52	124	1.1	0.4	135	8	AGUADA (SANTANDER)
8389	Dic 30 2016	22:20:17.3	4.45	-73.83	6	1.3	0.6	139	9	FOMEQUE (CUNDINAMARCA)
8390	Dic 30 2016	22:47:21.8	6.77	-73.15	149	1.5	0.3	136	11	LOS SANTOS (SANTANDER)
8391	Dic 30 2016	22:49:19.1	5.05	-72.94	Sup	1.7	0.6	96	14	PAEZ (BOYACA)
8392	Dic 30 2016	23:15: 4.9	7.21	-76.26	Sup	1.7	0.7	166	13	MUTATA (ANTIOQUIA)
8393	Dic 30 2016	23:41: 6.2	6.70	-73.21	152	1.2	0.3	222	7	VILLANUEVA (SANTANDER)
8394	Dic 31 2016	00:34: 6.6	6.78	-73.38	123	1.7	0.2	177	10	SAN VICENTE DE CHUCURI (SANTANDER)
8395	Dic 31 2016	00:46:18.8	6.77	-73.11	141	2.2	0.5	97	24	LOS SANTOS (SANTANDER)
8396	Dic 31 2016	01:30:12.8	4.26	-77.64	Sup	1.9	0.7	228	16	O. PACIFICO CENTRO
8397	Dic 31 2016	02:50:30.4	6.48	-73.60	102	1.6	0.5	96	14	SANTA HELENA DEL OPON (SANTANDER)
8398	Dic 31 2016	03:25:23.1	6.67	-73.26	152	1.2	0.2	212	8	GALAN (SANTANDER)
8399	Dic 31 2016	03:40:20.3	2.37	-75.65	15	1.4	0.4	130	12	GIGANTE (HUILA)
8400	Dic 31 2016	03:45:53.4	6.77	-73.16	148	1.4	0.4	136	12	LOS SANTOS (SANTANDER)
8401	Dic 31 2016	04:20:28.2	6.75	-73.22	152	1.1	0.4	225	8	ZAPATOCA (SANTANDER)
8402	Dic 31 2016	06:08:41.4	5.73	-73.87	118	1.7	0.4	73	20	ALBANIA (SANTANDER)
8403	Dic 31 2016	06:34:42.9	2.26	-75.68	17	1.2	0.3	100	10	AGRADO (HUILA)
8404	Dic 31 2016	06:51: 5.0	6.79	-73.12	142	1.7	0.3	99	17	LOS SANTOS (SANTANDER)
8405	Dic 31 2016	06:51:40.7	7.42	-74.68	19	1.9	0.2	287	11	ZARAGOZA (ANTIOQUIA)
8406	Dic 31 2016	07:34: 5.5	6.76	-73.16	148	1.5	0.5	233	12	LOS SANTOS (SANTANDER)
8407	Dic 31 2016	07:40:10.0	6.76	-73.11	144	1.4	0.2	142	10	LOS SANTOS (SANTANDER)
8408	Dic 31 2016	08:14:13.4	5.93	-73.69	118	1.2	0.3	127	9	GUAVATA (SANTANDER)
8409	Dic 31 2016	09:16:12.1	5.05	-72.89	Sup	1.5	0.5	149	19	TAURAMENA (CASANARE)
8410	Dic 31 2016	09:24:25.0	6.80	-73.12	141	2.0	0.4	72	30	LOS SANTOS (SANTANDER)
8411	Dic 31 2016	09:59:40.9	7.12	-75.78	Sup	0.9	0.3	126	8	ITUANGO (ANTIOQUIA)
8412	Dic 31 2016	10:08: 4.1	6.82	-73.11	151	1.2	0.4	243	13	LOS SANTOS (SANTANDER)
8413	Dic 31 2016	10:35:11.4	6.78	-73.15	136	1.1	0.5	236	8	LOS SANTOS (SANTANDER)
8414	Dic 31 2016	10:50:54.5	6.79	-73.14	139	2.2	0.4	100	26	LOS SANTOS (SANTANDER)
8415	Dic 31 2016	10:51:29.5	10.89	-74.16	Sup	1.6	0.2	122	8	PIVIJAY (MAGDALENA)
8416	Dic 31 2016	11:03:31.2	9.25	-74.86	74	2.0	0.2	155	8	MAGANGUE (BOLIVAR)
8417	Dic 31 2016	11:16:43.2	6.69	-73.25	141	1.4	0.4	191	12	GALAN (SANTANDER)
8418	Dic 31 2016	11:52:14.4	10.60	-73.55	Sup	1.8	0.5	164	8	PUEBLO BELLO (CESAR)
8419	Dic 31 2016	13:01:10.7	6.80	-73.14	141	2.2	0.5	136	26	LOS SANTOS (SANTANDER)
8420	Dic 31 2016	13:06:38.0	6.01	-72.81	Sup	1.7	0.6	100	16	TUTAZA (BOYACA)
8421	Dic 31 2016	13:58:25.5	6.74	-73.50	105	2.0	0.5	130	15	EL CARMEN (SANTANDER)
8422	Dic 31 2016	14:22:59.0	6.75	-73.20	146	1.2	0.4	226	8	ZAPATOCA (SANTANDER)
8423	Dic 31 2016	14:23:34.4	6.77	-73.01	142	1.5	0.5	249	10	CEPITA (SANTANDER)
8424	Dic 31 2016	14:28:51.7	6.79	-73.22	147	1.2	0.4	226	10	ZAPATOCA (SANTANDER)
8425	Dic 31 2016	14:36:29.7	5.29	-73.75	144	1.5	0.4	152	10	LENGUAZAQUE (CUNDINAMARCA)
8426	Dic 31 2016	15:09:43.9	2.02	-75.68	31	1.6	0.3	128	10	GUADALUPE (HUILA)
8427	Dic 31 2016	16:33:42.5	6.73	-73.19	149	1.6	0.4	227	12	VILLANUEVA (SANTANDER)
8428	Dic 31 2016	17:07:17.7	5.23	-76.50	70	1.8	0.3	197	18	TADO (CHOCO)
8429	Dic 31 2016	17:16:57.5	6.76	-73.19	132	1.6	0.4	132	15	LOS SANTOS (SANTANDER)
8430	Dic 31 2016	17:35:57.0	6.80	-73.16	145	2.4	0.4	70	30	LOS SANTOS (SANTANDER)

Cuadro 2: (continuación)

N	FECHA	H.M.S	LAT	LONG	Z	MAG	RMS	GAP	NF	UBICACION
8431	Dic 31 2016	18:52:16.7	5.18	-75.75	56	1.4	0.1	185	8	RISARALDA (CALDAS)
8432	Dic 31 2016	18:55:47.7	5.82	-74.21	18	2.0	0.5	90	20	OTANCHE (BOYACA)
8433	Dic 31 2016	19:00:12.0	2.21	-75.40	Sup	1.9	0.5	109	15	GARZON (HUILA)
8434	Dic 31 2016	19:06:15.6	7.10	-76.17	Sup	2.1	0.5	132	16	DABEIBA (ANTIOQUIA)
8435	Dic 31 2016	19:09:19.9	5.19	-74.82	Sup	1.6	0.3	73	20	MARIQUITA (TOLIMA)
8436	Dic 31 2016	19:22:22.5	6.82	-73.11	150	1.6	0.4	243	18	LOS SANTOS (SANTANDER)
8437	Dic 31 2016	19:34:40.7	6.80	-73.20	132	1.3	0.3	232	13	ZAPATOCA (SANTANDER)
8438	Dic 31 2016	20:43:27.5	7.24	-74.22	59	1.9	0.6	106	23	CANTAGALLO (BOLIVAR)
8439	Dic 31 2016	21:08:47.7	6.73	-73.12	152	1.7	0.5	142	14	JORDAN (SANTANDER)
8440	Dic 31 2016	22:00:45.4	7.19	-76.23	Sup	1.4	0.3	162	7	DABEIBA (ANTIOQUIA)
8441	Dic 31 2016	22:16:39.8	4.48	-73.60	13	1.2	0.2	334	10	SAN JUANITO (META)
8442	Dic 31 2016	22:22:40.5	6.80	-73.12	145	1.6	0.5	240	11	LOS SANTOS (SANTANDER)
8443	Dic 31 2016	23:14:55.8	6.81	-73.12	146	1.5	0.3	240	11	LOS SANTOS (SANTANDER)
8444	Dic 31 2016	23:16: 9.4	6.77	-73.17	147	1.1	0.1	232	7	LOS SANTOS (SANTANDER)
8445	Dic 31 2016	23:25:10.4	6.70	-73.25	138	1.1	0.4	217	8	GALAN (SANTANDER)