



BOLETÍN DE MOVIMIENTOS FUERTES

**Enero Æ Diciembre 2012
Red Nacional de Acelerógrafos de Colombia Æ RNAC -**

Volumen 17

Bogotá, Marzo 2014.

REPÚBLICA DE COLOMBIA
MINISTERIO DE MINAS Y ENERGÍA
SERVICIO GEOLÓGICO COLOMBIANO

Boletín de Movimientos Fuertes: Enero Æ Diciembre de 2012

Red Nacional de Acelerógrafos de Colombia

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SERVICIO GEOLÓGICO COLOMBIANO

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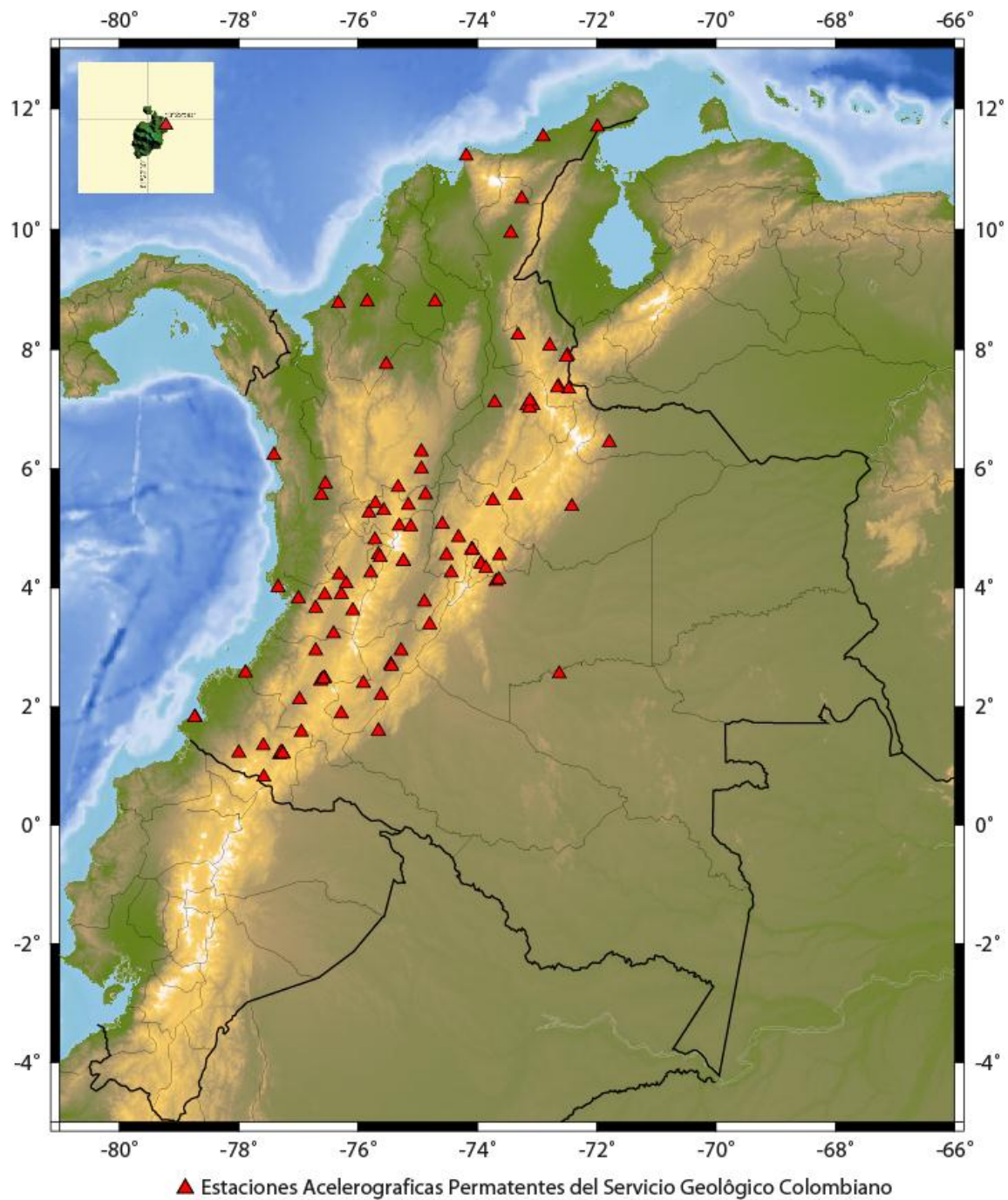


Figura 1. Mapa de estaciones de la RNAC.

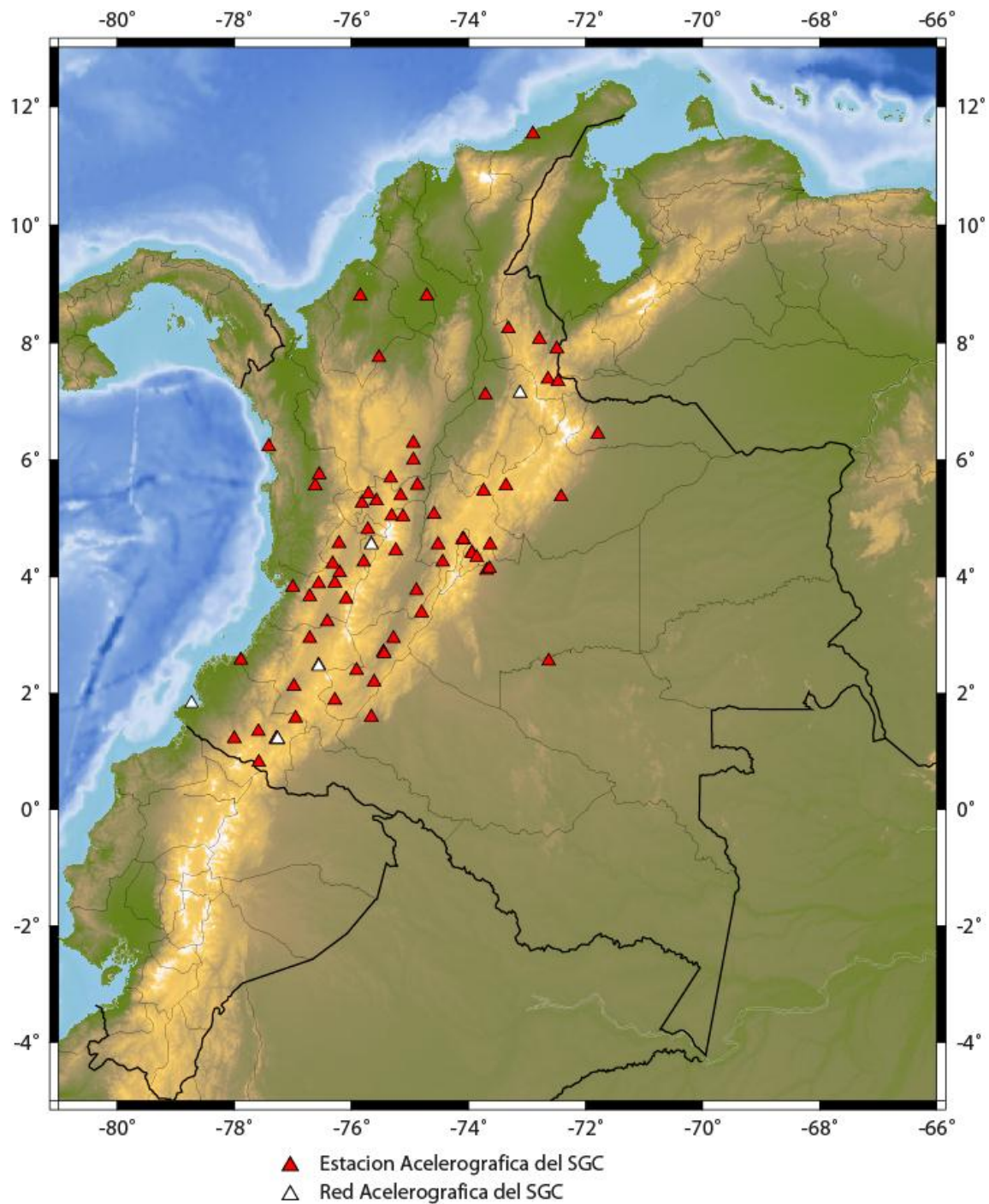


Figura 2. Mapa de estaciones de la RNAC con adquisición de datos por descarga en campo.

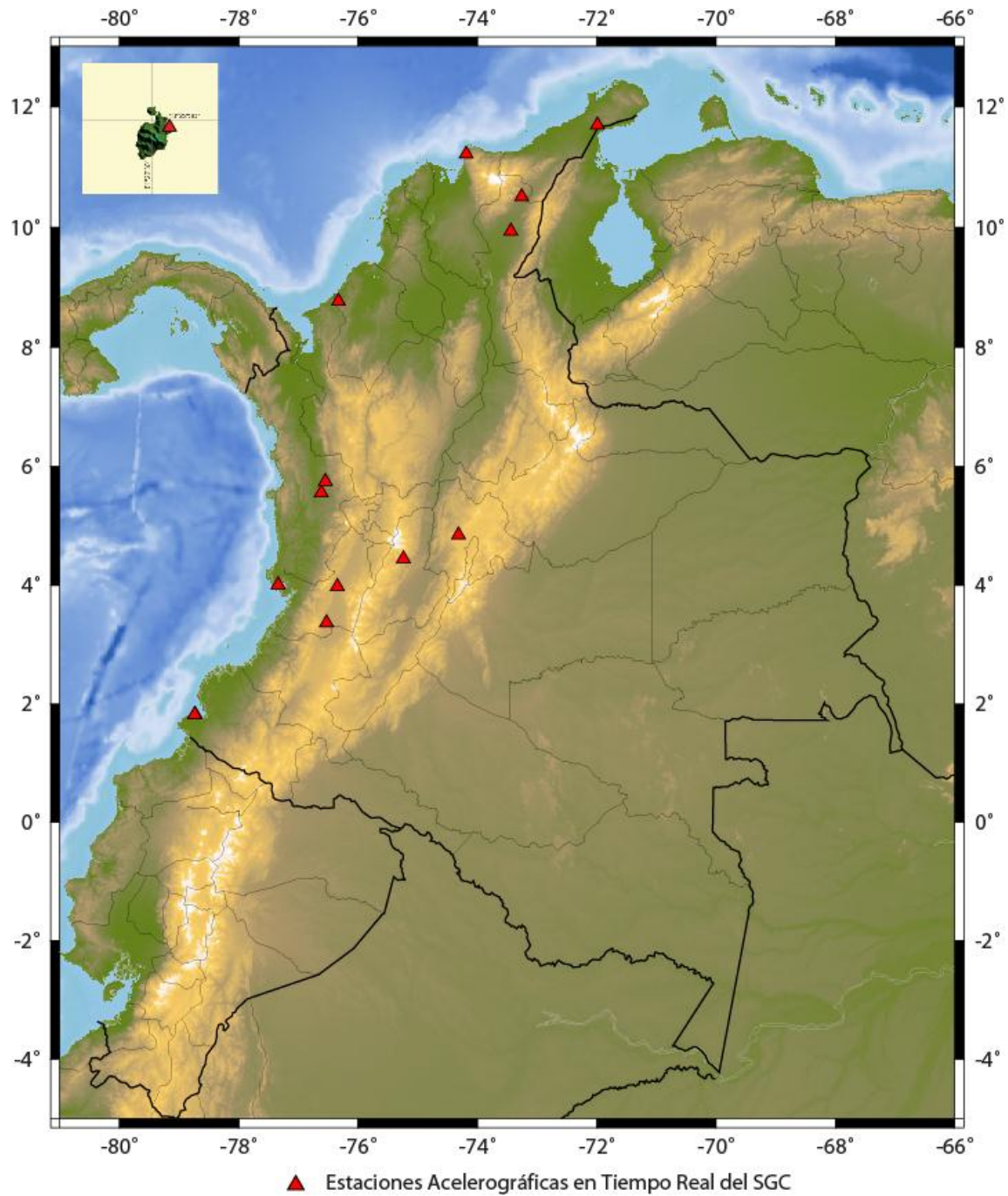


Figura 3. Mapa de estaciones de la RNAC con adquisición de datos en tiempo real.

ID	NOMBRE DE LA ESTACIÓN	DEPARTAMENTO	CÓDIGO DE LA ESTACIÓN	MODELO	SERIAL	LAT. (°)	LONG. (°)	GEOLOGÍA	TOPOGRAFÍA	ADQUISICIÓN DE DATOS
1	PLAYAS	ANTIOQUIA	CPLA1	ETNA	142	6.29	-74.94	SUELO	ONDULADA	DESCARGA EN CAMPO
2	SAN LUIS	ANTIOQUIA	CSLUI	ETNA	139	6.00	-74.94	ROCA	ONDULADA	DESCARGA EN CAMPO
3	SONSÓN	ANTIOQUIA	CSONS	ETNA	143	5.69	-75.33	ROCA	ONDULADA	DESCARGA EN CAMPO
4	TAME	ARAUCA	CTAME	GURALP	T5E33/B690	6.44	-71.79	ROCA	PLANA	DESCARGA EN CAMPO
5	SAN MARTIN DE LOBA	BOLIVAR	CLOBA	GURALP	T5G64/C193	8.80	-74.71	ROCA	ONDULADA	DESCARGA EN CAMPO
6	TUNJA	BOYACÁ	CTUN3	ETNA	123	5.56	-73.36	ROCA	ONDULADA	DESCARGA EN CAMPO
7	ANSERMA	CALDAS	CANSE	ETNA	136	5.26	-75.82	ROCA	ONDULADA	DESCARGA EN CAMPO
8	NORCASIA	CALDAS	CNOCA	ETNA	116	5.57	-74.87	ROCA	ESCARPADA	DESCARGA EN CAMPO
9	FILADELFIA	CALDAS	CFILA	ETNA	156	5.30	-75.57	ROCA	ONDULADA	DESCARGA EN CAMPO
10	MANIZALES, INGEOMINAS	CALDAS	CMAN1	ETNA	152	5.04	-75.31	SUELO	ONDULADA	DESCARGA EN CAMPO
11	PENSILVANIA	CALDAS	CPENS	CMG-5TD	T5J33/A1083	5.39	-75.16	ROCA	ONDULADA	DESCARGA EN CAMPO
12	RIOSUCIO	CALDAS	CRI02	ETNA	122	5.42	-75.71	ROCA	ESCARPADA	DESCARGA EN CAMPO
13	FLORENCIA	CAQUETÁ	CFLOR	CMG-5TD	T5357/B692	1.59	-75.66	ROCA	ONDULADA	DESCARGA EN CAMPO
				CMG-5T	T5D80					
14	YOPAL	CASANARE	CYOPA	ETNA	129	5.37	-72.42	ROCA	PLANA	DESCARGA EN CAMPO
15	EL BORDO	CAUCA	CBORD	CMG-5TD	T5J27/A1085	2.12	-76.98	SUELO	ONDULADA	DESCARGA EN CAMPO
				CMG-5TD	T5E44/B705					
16	EMBALSE DE SALVAJINA	CAUCA	CSAL1	ETNA	150	2.94	-76.71	ROCA	ONDULADA	DESCARGA EN CAMPO
17	GUAPI	CAUCA	CGUAP	CMG-5TD	T5J32/A1071	2.57	-77.89	SUELO	ONDULADA	DESCARGA EN CAMPO
				ETNA	124					
18	POPAYÁN, El Roble	CAUCA	CPOP1	ETNA	122	2.43	-76.63	ROCA	ONDULADA	DESCARGA EN CAMPO
19	POPAYÁN, INVÍAS	CAUCA	CPOP2	CMG-5TD	T5G63/C285	2.46	-76.60	SUELO	PLANA	DESCARGA EN CAMPO
20	POPAYÁN, SENA	CAUCA	CPOP3	ETNA	127	2.48	-76.56	SUELO	PLANA	DESCARGA EN CAMPO
21	POPAYÁN, Gabriela Mistral	CAUCA	CPOP5	CMG-5TD	T5G54/B693	2.47	-76.58	SUELO	PLANA	DESCARGA EN CAMPO
22	PUERTO TEJADA	CAUCA	CPTEJ	CMG-5TD	T5J35/A1082	3.23	-76.41	SUELO	ONDULADA	DESCARGA EN CAMPO
23	CODAZZI	CESAR	CCODA	CMG-5T	T5D81	9.94	-73.44	ROCA	PLANA	TIEMPO REAL
24	VALLEDUPAR	CESAR	CCESA	CMG-5TD	T5E40/B609	10.51	-73.26	ROCA	ONDULADO	TIEMPO REAL
				CMG-5TD	T5E57/B692					
25	BAHÍA SOLANO	CHOCÓ	CBSOL	CMG-5TD	T5G64/C193	6.23	-77.41	SUELO	PLANA	DESCARGA EN CAMPO
				CMG-5T	T5D85					
26	SAMURINDO	CHOCÓ	CSAMU	ETNA	128	5.56	-76.62	SUELO	PLANO	DESCARGA EN CAMPO
27	TUTUNENDO	CHOCÓ	CTUTU	CMG-5TD	T5G56/C190	5.75	-76.55	ROCA	ONDULADA	DESCARGA EN CAMPO
				ETNA	110					
28	MONTERÍA	CÓRDOBA	CMONT	ETNA	145	8.80	-75.85	SUELO	ONDULADA	DESCARGA EN CAMPO
29	MONTERÍA, ESTACION SIMIOLÓGICA	CÓRDOBA	CMON2	EPISENSOR	2066	8.77	-76.33	ROCA	ONDULADA	TIEMPO REAL
30	SAN JOSE DE URÉ	CÓRDOBA	CSJUR	CMG-5TD	T5E31/B600	7.75	-75.53	ROCA	ONDULADA	DESCARGA EN CAMPO
31	ANAPOIMA	CUNDINAMARCA	CANAP	ETNA	125	4.55	-74.52	ROCA	ONDULADA	DESCARGA EN CAMPO

32	ARBELAEZ	CUNDINAMARCA	CARBE	ETNA	115	4.25	-74.44	ROCA	ONDULADA	DESCARGA EN CAMPO
33	CAQUEZA, VEREDAD PLACITAS	CUNDINAMARCA	CCAQ1	ETNA	160	4.41	-73.94	SUELO	ONDULADA	DESCARGA EN CAMPO
34	CAQUEZA	CUNDINAMARCA	CCAQ2	ETNA	1444	4.40	-73.94	SUELO	ONDULADA	DESCARGA EN CAMPO
35	EL ROSAL	CUNDINAMARCA	CROSA	CMG-5TD	TE56/B689	4.85	-74.32	ROCA	ONDULADA	TIEMPO REAL
36	EMBALSE DE CHINGAZA, Galería	CUNDINAMARCA	CCHIN	ETNA	111	4.55	-73.63	ROCA	TUNEL	DESCARGA EN CAMPO
37	LAGUNA DE FÚQUENE	CUNDINAMARCA	CFQNE	ETNA	134	5.47	-73.74	ROCA	ONDULADA	DESCARGA EN CAMPO
38	GUADUAS	CUNDINAMARCA	CGUAD	ETNA	146	5.07	-74.59	ROCA	ONDULADA	DESCARGA EN CAMPO
				ETNA	116					
39	BOGOTÁ, REACTOR NUCLEAR	CUNDINAMARCA	CREAC	ETNA	4354	4.64	-74.10	SUELO (EDIFICIO)	PLANA	POR DEMANDA
40	BOGOTÁ, INGEOMINAS	CUNDINAMARCA	CBOG1	CMG-5TD	T5G57/C280	4.64	-74.08	SUELO/ROCA	PLANA	DESCARGA EN CAMPO
41	QUETAME	CUNDINAMARCA	CQUET	ETNA	118	4.33	-73.86	ROCA	ONDULADA	DESCARGA EN CAMPO
42	BOGOTÁ, PLANTA GAMMA (IRRADIACION)	CUNDINAMARCA	CPGA1	ETNA	137	4.64	-74.09			DESCARGA EN CAMPO
43	BOGOTÁ, PLANTA GAMMA (CONTROL)	CUNDINAMARCA	CPGA2	ETNA	112	4.64	-74.09			DESCARGA EN CAMPO
44	RIOHACHA	GUAJIRA	CGUAG	ETNA	131	11.54	-72.90	SUELO	PLANA	DESCARGA EN CAMPO
45	URIBIA, ESTACION SISMOLÓGICA	GUAJIRA	CURIB	EPISENSOR	2203	11.70	-71.99			TIEMPO REAL
46	SAN JOSE DEL GUAVIARE	GUAVIARE	CSJGU	CMG-5TD	T5E49/B708	2.55	-72.63	SUELO	PLANA	DESCARGA EN CAMPO
47	COLOMBIA	HUILA	CCOLO	ETNA	132	3.38	-74.80	SUELO	ONDULADA	DESCARGA EN CAMPO
48	EMBALSE DE BETANIA	HUILA	CBETA	ETNA	144	2.71	-75.45	ROCA	ONDULADA	DESCARGA EN CAMPO
49	BETANIA, ESTACIÓN SISMOLÓGICA	HUILA	CBET2	CMG-5TD	T5J26/A1019	2.68	-75.44	ROCA	PLANA	DESCARGA EN CAMPO
50	GARZÓN	HUILA	CGARZ	CMG-5TD	T5J31/A1084	2.19	-75.61	SUELO	ONDULADA	DESCARGA EN CAMPO
				CMG-5TD	T5E43/B707					
51	LA PLATA	HUILA	CPLAT	ETNA	158	2.39	-75.91	SUELO	PLANA	DESCARGA EN CAMPO
52	NEIVA	HUILA	CNEIV	CMG-5TD	T5E47/B709	2.94	-75.28	SUELO	PLANA	DESCARGA EN CAMPO
53	SAN AGUSTIN	HUILA	CSAGU	ETNA	157	1.88	-76.28	ROCA	ONDULADA	DESCARGA EN CAMPO
54	SANTAMARTA	MAGDALENA	CSTM1	CMG-5T	T5D84	11.22	-74.19	SUELO	PLANA	TIEMPO REAL
55	VILLAVICENCIO, CERRO NEGRO	META	CCNEG	CMG-5TD	T5G6/C196	4.11	-73.69	ROCA	ONDULADA	DESCARGA EN CAMPO
56	VILLAVICENCIO	META	CVIL1	ETNA	113	4.14	-73.64	ROCA	PLANA	DESCARGA EN CAMPO
57	LA CRUZ	NARIÑO	CCRUZ	CMG-5TD	T5E39/B697	1.57	-76.95	ROCA	ONDULADA	DESCARGA EN CAMPO
58	PASTO, Obonuco	NARIÑO	CPAS1	CMG-5TD	T5J30/A1088	1.19	-77.32	ROCA	ONDULADA	DESCARGA EN CAMPO
59	CORPONARIÑO	NARIÑO	CPAS2	CMG-5TD	T5E55/B686	1.21	-77.26	SUELO	ONDULADA	DESCARGA EN CAMPO
60	RICAURTE	NARIÑO	CRICA	ETNA	148	1.22	-78.00	ROCA	ONDULADA	DESCARGA EN CAMPO
61	PASTO, COLEGIO ENRIQUE JENSEN	NARIÑO	CPAS3	ETNA	1444	1.20	-77.28	SUELO	PLANO	DESCARGA EN CAMPO
62	PASTO, COLEGIO INEM	NARIÑO	CPAS4	ETNA	160	1.21	-77.29	SUELO	ONDULADA	DESCARGA EN CAMPO
				ETNA	1445					
63	PASTO, IE ARTEMIO MENDOZA	NARIÑO	CPAS5	ETNA	1443	1.22	-77.27	SUELO	ONDULADO	DESCARGA EN CAMPO
64	PASTO, PANDIACO	NARIÑO	CPAS6	ETNA	146	1.23	-77.29	SUELO	PLANA	DESCARGA EN CAMPO
65	PASTO, CIUDADELA EDUCATIVA	NARIÑO	CPAS7	ETNA	160	1.20	-77.26	SUELO	ONDULADO	DESCARGA EN CAMPO
66	SAMANIEGO	NARIÑO	CSAMA	ETNA	153	1.34	-77.59	ROCA	ONDULADA	DESCARGA EN CAMPO
67	TUMACO, FARO	NARIÑO	CTUM2	EPISENSOR	2202	1.82	-78.73	ROCA	ONDULADA	TIEMPO REAL
68	TUMACO, ARMADA	NARIÑO	CTUMA	ETNA	154	1.82	-78.74	SUELO	PLANA	TIEMPO REAL
69	IPIALES	NARIÑO	CIPIA	CMG-5TD	T5G49/C195	0.81	-77.58	ROCA	ONDULADA	DESCARGA EN CAMPO

70	CÚCUTA, UFPS	N. SANTANDER	CCUC2	ETNA	151	7.90	-72.49	SUELO	PLANA	DESCARGA EN CAMPO
71	CÚCUTA, Santo Domingo	N.SANTANDER	CCUC3	CMG-5TD	T5E32/B607	7.87	-72.51	ROCA	ONDULADA	DESCARGA EN CAMPO
72	SARDINATA	N. SANTANDER	CSARD	ETNA	140	8.06	-72.79	ROCA	ONDULADA	DESCARGA EN CAMPO
73	OCAÑA	N. SANTANDER	COCAÑ	CMG-5TD	T5E53/B699	8.24	-73.32	ROCA	ONDULADA	DESCARGA EN CAMPO
74	PAMPLONA	N. SANTANDER	CPAMP	ETNA	147	7.38	-72.64	ROCA	ONDULADA	DESCARGA EN CAMPO
75	PAMPLONA, ESTACION SISMOLOGICA	N. SANTANDER	CPAM2	CMG-5TD	T5E35/B703	7.34	-72.47	ROCA	ONDULADA	DESCARGA EN CAMPO
76	PAMPLONA, BARRIO ZULIA	N. SANTANDER	CPAM3	CMG-5TD	T5E51/B606	7.36	-72.66	ROCA	ONDULADA	DESCARGA EN CAMPO
77	ARMENIA	QUINDIO	CARME	CMG-5TD	T5E42/B712	4.56	-75.66	SUELO	PLANA	DESCARGA EN CAMPO
				CMG-5TD	T5E34/B698					
				CMG-5TD	T5E42/B712					
78	CALARCÁ	QUINDIO	CCALA	ETNA	126	4.51	-75.63	ROCA	ONDULADA	DESCARGA EN CAMPO
79	GÉNOVA	QUINDIO	CGENO	CMG-5TD	T5J34/A1080	4.25	-75.79	SUELO	PLANA	DESCARGA EN CAMPO
80	PERÉIRA, NUEVA LIBARÉ	RISARALDA	CBOCA	CMG-5TD	T5E50/B710	4.81	-75.72	SUELO	PLANA	DESCARGA EN CAMPO
				CMG-5TD	T5J31/A1084					
81	PROVIDENCIA	SAN ANDRES, PROVIDENCIA Y SANTA CATALINA	CPROV	CMG-5T	T5E82	13.38	-81.36	ROCA	ONDULADA	TIEMPO REAL
82	BARRANCABERMEJA	SANTANDER	CBARR	CMG-5TD	T5E30/B616	7.11	-73.71	ROCA	ONDULADA	DESCARGA EN CAMPO
				CMG-5TD	T5E58/B706					
83	FLORIDABLANCA, CDMB	SANTANDER	CBUC1	ETNA	128	7.07	-73.07	ROCA	ONDULADA	DESCARGA EN CAMPO
				ETNA	112					
84	GIRON	SANTANDER	CGIRO	ETNA	116	7.06	-73.17	ROCA	PLANA	DESCARGA EN CAMPO
85	GIRON, VEREDA ACAPULCO	SANTANDER	CGIR2	ETNA	119	7.02	-73.13	ROCA	PLANA	DESCARGA EN CAMPO
86	BUCARAMANGA, UIS	SANTANDER	CBUIS	CMG-5TD	T5E41/B713	7.14	-73.12	SUELO	PLANA	DESCARGA EN CAMPO
				ETNA	120					
87	EMBALSE DE PRADO	TOLIMA	CPRAD	ETNA	117	3.76	-74.89	ROCA	ESCARPADA	DESCARGA EN CAMPO
88	IBAGUE, INGEOMINAS	TOLIMA	CIBA1	CMG-5TD	T5J29/A1105	4.45	75.24	SUELO	ONDULADA	TIEMPO REAL
89	IBAGUÉ, VEREDA CAY	TOLIMA	CIBA4	CMG-5TD	T5G60/C189	4.45	-75.24	ROCA	PLANA	DESCARGA EN CAMPO
90	VILLAHERMOSA	TOLIMA	CVHER	ETNA	133	5.03	-75.12	ROCA	ONDULADA	DESCARGA EN CAMPO
91	BAHÍA MÁLAGA	VALLE	CBMAL	ETNA	124	4.01	-77.34	ROCA	PLANA	TIEMPO REAL
				EPISENSOR	5397					
92	BUENAVENTURA	VALLE	CBUE2	CMG-5TD	T5E46/B711	3.82	-77.00	SUELO	PLANA	DESCARGA EN CAMPO
93	BUGA	VALLE	CBUGA	CMG-5TD	T5G61/C182	3.89	76.28	ROCA	ONDULADA	DESCARGA EN CAMPO
94	DAGUA	VALLE	CDAGU	ETNA	121	3.66	-76.71	ROCA	ONDULADA	DESCARGA EN CAMPO
95	EL TOCHE	VALLE	CTOCH	ETNA	135	3.62	-76.09	ROCA	PLANA	DESCARGA EN CAMPO
96	EMBALSE CALIMA	VALLE	CECAL	ETNA	141	3.88	-76.56	ROCA	ESCARPADA	DESCARGA EN CAMPO
97	TULUA	VALLE	CTULU	CMG-5TD	T5G59/C282	4.07	-76.20	SUELO	PLANA	DESCARGA EN CAMPO
				CMG-5TD	T5E35/B690					
				CMG-5TD	T5E38/B688					
98	TRUJILLO	VALLE	CTRUJ	ETNA	159	4.22	-76.32	ROCA	ONDULADA	DESCARGA EN CAMPO
99	VERSALLES	VALLE	CVERS	ETNA	138	4.57	-76.21	SUELO	ONDULADA	DESCARGA EN CAMPO
100	CALI, SGC	VALLE	RAC02	ETNA	4092	3.37	-76.53	SUELO	PLANO	TIEMPO REAL

				CMG-5TD	T5E37/B695					
101	YOTOCO	VALLE	CYOTO	CMG-5T	5TD83	3.98	-76.35	ROCA	ONDULADA	TIEMPO REAL

Tabla 1. Listado de los acelerógrafos propiedad del INGEOMINAS que funcionaron durante el año 2010.

Anexo 1

**Epicentros y listado de los eventos registrados
por la Red Nacional de Acelerógrafos de Colombia
entre Enero y Diciembre de 2012.**

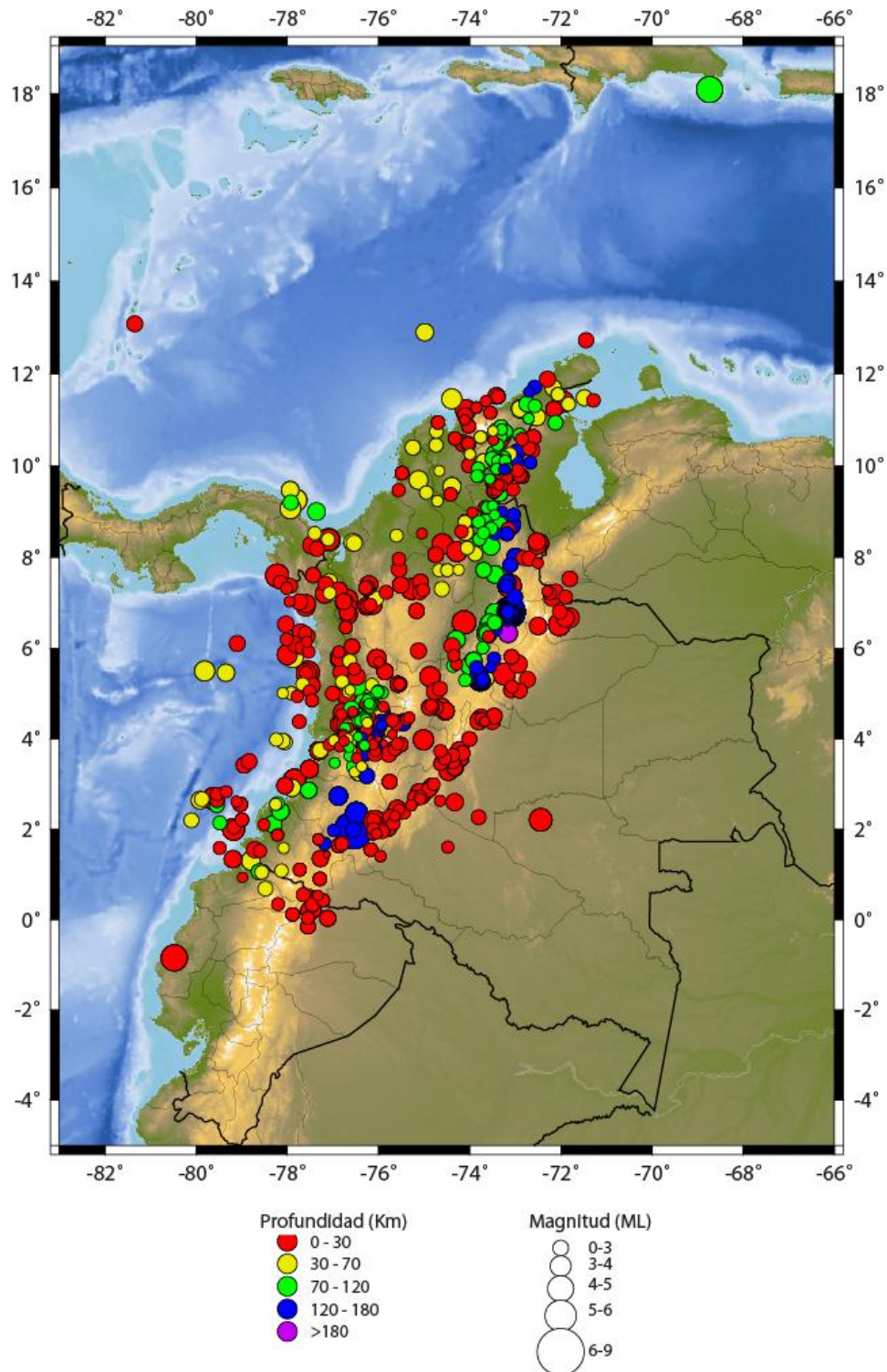


Figura 4. Epicentro de los sismos registrados por la Red Nacional de Acelerógrafos de Colombia en el año 2012.

FECHA	EPICENTRO	HORA hh:mm:ss (UT)	MAGNITUD (ML)	PROFUNDIDAD (Km.)	LATITUD (Grados)	LONGITUD (Grados)	ESTACIÓN
1-ene-12	Los Santos (Santander)	02:40:37	4.1	150.2	6.807	-73.168	CCUC3
1-ene-12	Los Santos (Santander)	02:40:37	4.1	150.2	6.807	-73.168	CNOCA
1-ene-12	Los Santos (Santander)	02:40:37	4.1	150.2	6.807	-73.168	CIBA1
1-ene-12	Los Santos (Santander)	02:40:37	4.1	150.2	6.807	-73.168	CMON2
1-ene-12	Otanche (Boyacá)	21:28:16	2.3	1.4	5.653	-74.284	CNOCA
2-ene-12	Betania (Antioquia)	08:57:17	2	24.2	5.7	-75.983	CNOCA
3-ene-12	Valle Guamez (Putumayo)	02:03:40	2.8	0	-154	-77.547	CPAS2
3-ene-12	Valle Guamez (Putumayo)	02:03:40	2.8	0	-154	-77.547	CPAS1
3-ene-12	Valle Guamez (Putumayo)	02:03:40	2.8	0	-154	-77.547	CFLOR
3-ene-12	Los Santos (Santander)	06:11:09	3.3	148.6	6.816	-73.145	CCUC3
3-ene-12	Los Santos (Santander)	06:11:09	3.3	148.6	6.816	-73.145	CNOCA
3-ene-12	Los Santos (Santander)	06:11:09	3.3	148.6	6.816	-73.145	CIBA1
3-ene-12	Los Santos (Santander)	06:11:09	3.3	148.6	6.816	-73.145	CMON2
3-ene-12	Valle Guamez (Putumayo)	07:13:38	2.9	0	.225	-77.417	CPAS2
3-ene-12	Valle Guamez (Putumayo)	07:13:38	2.9	0	.225	-77.417	CPAS1
4-ene-12	Los Santos (Santander)	02:50:10	2.7	146.2	6.775	-73.093	CCUC3
4-ene-12	Los Santos (Santander)	02:50:10	2.7	146.2	6.775	-73.093	CNOCA
4-ene-12	N.D	09:01:39	N.D	N.D	N.D	N.D	CURIB
5-ene-12	Bajo Baudó (Chocó)	03:31:45	3.1	8.5	5.185	-77.457	CIBA1
5-ene-12	Bajo Baudó (Chocó)	03:31:45	3.1	8.5	5.185	-77.457	CNOCA
6-ene-12	Murindó (Antioquia)	14:52:16	3.4	10	7.014	-76.746	CMON2
6-ene-12	Murindó (Antioquia)	14:52:16	3.4	10	7.014	-76.746	CNOCA
8-ene-12	La Macarena (Meta)	02:13:24	3.3	6	2.601	-74.325	CFLOR
8-ene-12	Los Santos (Santander)	10:11:08	3.3	148	6.779	-73.145	CCUC3
8-ene-12	Los Santos (Santander)	10:11:08	3.3	148	6.779	-73.145	CNOCA
8-ene-12	Los Santos (Santander)	10:11:08	3.3	148	6.779	-73.145	CMON2
8-ene-12	Los Santos (Santander)	18:42:54	2.9	144.1	6.8	-73.156	CCUC3
8-ene-12	Los Santos (Santander)	18:42:54	2.9	144.1	6.8	-73.156	CNOCA
9-ene-12	La Victoria (Boyacá)	10:35:50	2.5	82.6	5.617	-74.365	CNOCA
9-ene-12	Los Santos (Santander)	15:15:26	2.9	140	6.78	-73.163	CCUC3
9-ene-12	Los Santos (Santander)	15:15:26	2.9	140	6.78	-73.163	CNOCA
9-ene-12	Los Santos (Santander)	15:15:26	2.9	140	6.78	-73.163	CMON2
10-ene-12	Los Santos (Santander)	04:21:52	3.4	147.9	6.8	-73.078	CCUC3
10-ene-12	Los Santos (Santander)	04:21:52	3.4	147.9	6.8	-73.078	CNOCA
10-ene-12	Los Santos (Santander)	04:21:52	3.4	147.9	6.8	-73.078	CMON2
10-ene-12	Los Santos (Santander)	06:21:13	2.7	138	6.804	-73.168	CCUC3
10-ene-12	Los Santos (Santander)	06:21:13	2.7	138	6.804	-73.168	CNOCA
10-ene-12	Los Santos (Santander)	06:21:13	2.7	138	6.804	-73.168	CMON2
10-ene-12	Ecuador (Geofísico de Ecuador)	18:07:10	5	12.00	-0.85	-80.48	CTUM2
10-ene-12	Ecuador (Geofísico de Ecuador)	18:07:10	5	12.00	-0.85	-80.48	CPAS2
10-ene-12	Ecuador (Geofísico de Ecuador)	18:07:10	5	12.00	-0.85	-80.48	CPAS1
10-ene-12	Ecuador (Geofísico de Ecuador)	18:07:10	5	12.00	-0.85	-80.48	CFLOR

10-ene-12	Potosí (Nariño)	20:54:33	3.6	0	.19	-77.503	CPAS2
10-ene-12	Potosí (Nariño)	20:54:33	3.6	0	.19	-77.503	CPAS1
11-ene-12	San Sebastián (Cauca)	07:42:51	2.7	4	1.685	-76.807	CPAS2
11-ene-12	San Sebastián (Cauca)	07:42:51	2.7	4	1.685	-76.807	CPAS1
11-ene-12	San Sebastián (Cauca)	07:42:51	2.7	4	1.685	-76.807	CFLOR
11-ene-12	Los Santos (Santander)	22:30:33	3.4	150	6.791	-73.14	CCUC3
11-ene-12	Los Santos (Santander)	22:30:33	3.4	150	6.791	-73.14	CNOCA
11-ene-12	Los Santos (Santander)	22:30:33	3.4	150	6.791	-73.14	CMON2
12-ene-12	Valle Guamuez (Putumayo)	07:08:56	3.1	.6	.029	-77.116	CPAS2
12-ene-12	Valle Guamuez (Putumayo)	07:08:56	3.1	.6	.029	-77.116	CPAS1
12-ene-12	Valle Guamuez (Putumayo)	07:08:56	3.1	.6	.029	-77.116	CFLOR
12-ene-12	Los Santos (Santander)	08:34:18	3.4	147.5	6.764	-73.093	CCUC3
12-ene-12	Los Santos (Santander)	08:34:18	3.4	147.5	6.764	-73.093	CNOCA
12-ene-12	Los Santos (Santander)	08:34:18	3.4	147.5	6.764	-73.093	CMON2
13-ene-12	Ricaurte (Nariño)	20:49:55	2.7	32	1.049	-78.563	CTUM2
13-ene-12	Ricaurte (Nariño)	20:49:55	2.7	32	1.049	-78.563	CPAS1
13-ene-12	Los Santos (Santander)	21:54:13	3.4	143.1	6.778	-73.132	CCUC3
13-ene-12	Los Santos (Santander)	21:54:13	3.4	143.1	6.778	-73.132	CNOCA
13-ene-12	Los Santos (Santander)	21:54:13	3.4	143.1	6.778	-73.132	CMON2
15-ene-12	Villanueva (Santander)	03:34:49	3.3	139.4	6.684	-73.18	CCUC3
15-ene-12	Villanueva (Santander)	03:34:49	3.3	139.4	6.684	-73.18	CNOCA
15-ene-12	Villanueva (Santander)	03:34:49	3.3	139.4	6.684	-73.18	CMON2
15-ene-12	Valle Guamuez (Putumayo)	09:48:34	2.5	4	.426	-77.213	CPAS2
15-ene-12	Valle Guamuez (Putumayo)	09:48:34	2.5	4	.426	-77.213	CPAS1
15-ene-12	Valle Guamuez (Putumayo)	09:48:34	2.5	4	.426	-77.213	CFLOR
15-ene-12	Santa Helena del Opón (Santander)	13:50:44	3.2	108.5	6.375	-73.64	CNOCA
15-ene-12	Santa Helena del Opón (Santander)	13:50:44	3.2	108.5	6.375	-73.64	CMON2
16-ene-12	Maicao (Guajira)	15:23:45	4.1	.2	11.405	-71.952	CURIB
16-ene-12	Maicao (Guajira)	15:23:45	4.1	.2	11.405	-71.952	CCUC3
17-ene-12	Nóvita (Chocó)	08:01:46	3.5	24.3	4.954	-76.694	CMAN1
17-ene-12	Nóvita (Chocó)	08:01:46	3.5	24.3	4.954	-76.694	RAC20
17-ene-12	Nóvita (Chocó)	08:01:46	3.5	24.3	4.954	-76.694	CIBA1
17-ene-12	Nóvita (Chocó)	08:01:46	3.5	24.3	4.954	-76.694	CNOCA
17-ene-12	Los Santos (Santander)	16:49:35	3.7	140.5	6.794	-73.18	CCUC3
17-ene-12	Los Santos (Santander)	16:49:35	3.7	140.5	6.794	-73.18	CNOCA
17-ene-12	Los Santos (Santander)	16:49:35	3.7	140.5	6.794	-73.18	CMON2
17-ene-12	Villanueva (Santander)	20:15:38	3.2	138.2	6.746	-73.177	CCUC3
17-ene-12	Villanueva (Santander)	20:15:38	3.2	138.2	6.746	-73.177	CNOCA
17-ene-12	Villanueva (Santander)	20:15:38	3.2	138.2	6.746	-73.177	CMON2
18-ene-12	N.D	04:36:54	N.D	N.D	N.D	N.D	CPAS2
18-ene-12	N.D	04:36:54	N.D	N.D	N.D	N.D	CPAS1
18-ene-12	N.D	15:35:06	N.D	N.D	N.D	N.D	CPAS2
18-ene-12	N.D	15:35:06	N.D	N.D	N.D	N.D	CPAS1
18-ene-12	Lejanías (Meta)	18:45:16	3.3	5.4	3.751	-74.211	CIBA1
18-ene-12	Lejanías (Meta)	18:45:16	3.3	5.4	3.751	-74.211	CNOCA

18-ene-12	Lejanías (Meta)	18:45:16	3.3	5.4	3.751	-74.211	CFLOR
19-ene-12	Puerto Nare (Antioquia)	01:17:37	3.4	97.4	6.189	-74.295	CNOCA
19-ene-12	Puerto Nare (Antioquia)	01:17:37	3.4	97.4	6.189	-74.295	CCUC3
19-ene-12	Puerto Nare (Antioquia)	01:17:37	3.4	97.4	6.189	-74.295	CMON2
19-ene-12	República Dominicana (USGS)	06:28:19	Mw: 5.0	103.00	18.08	-68.74	CURIB
19-ene-12	República Dominicana (USGS)	06:28:19	Mw: 5.0	103.00	18.08	-68.74	CCUC3
19-ene-12	República Dominicana (USGS)	06:28:19	Mw: 5.0	103.00	18.08	-68.74	CMON2
19-ene-12	Cucunubá (Cundinamarca)	07:11:27	3.2	141.3	5.274	-73.729	CNOCA
19-ene-12	Cucunubá (Cundinamarca)	07:11:27	3.2	141.3	5.274	-73.729	CMON2
19-ene-12	N.D	09:48:04	N.D	N.D	N.D	N.D	CTUM2
20-ene-12	N.D	00:47:06	N.D	N.D	N.D	N.D	CCUC3
20-ene-12	N.D	00:47:06	N.D	N.D	N.D	N.D	CNOCA
20-ene-12	N.D	00:47:06	N.D	N.D	N.D	N.D	CMON2
20-ene-12	N.D	00:47:06	N.D	N.D	N.D	N.D	CIBA1
21-ene-12	El Cármen de Bolívar (Bolívar)	17:56:00	3.6	32.1	9.698	-75.125	CMON2
21-ene-12	El Cármen de Bolívar (Bolívar)	17:56:00	3.6	32.1	9.698	-75.125	CCUC3
21-ene-12	El Cármen de Bolívar (Bolívar)	17:56:00	3.6	32.1	9.698	-75.125	CURIB
22-ene-12	Potosí (Nariño)	09:26:06	2.5	0	.036	-77.544	CPAS2
22-ene-12	Potosí (Nariño)	09:26:06	2.5	0	.036	-77.544	CPAS1
22-ene-12	Potosí (Nariño)	09:26:06	2.5	0	.036	-77.544	CFLOR
22-ene-12	Arcabuco (Boyacá)	10:46:02	2.6	145.7	5.777	-73.464	CNOCA
22-ene-12	N.D	11:03:35	N.D	N.D	N.D	N.D	CCUC3
22-ene-12	N.D	11:03:35	N.D	N.D	N.D	N.D	CURIB
22-ene-12	N.D	11:03:35	N.D	N.D	N.D	N.D	CMON2
23-ene-12	Fortul (Arauca)	03:45:28	3.4	.2	6.667	-71.899	CCUC3
23-ene-12	Fortul (Arauca)	03:45:28	3.4	.2	6.667	-71.899	CNOCA
23-ene-12	Villanueva (Santander)	05:27:35	3.3	137	6.74	-73.161	CCUC3
23-ene-12	Villanueva (Santander)	05:27:35	3.3	137	6.74	-73.161	CNOCA
23-ene-12	Villanueva (Santander)	05:27:35	3.3	137	6.74	-73.161	CMON2
23-ene-12	Sipí (Chocó)	15:06:06	2.8	3.20	5	-77	CVERS
23-ene-12	Los Santos (Santander)	18:53:19	3.2	145.1	6.798	-73.164	CCUC3
23-ene-12	Los Santos (Santander)	18:53:19	3.2	145.1	6.798	-73.164	CNOCA
23-ene-12	N.D	20:52:13	N.D	N.D	N.D	N.D	CURIB
23-ene-12	N.D	20:52:13	N.D	N.D	N.D	N.D	CCUC3
24-ene-12	Lenguezaque (Cundinamarca)	15:49:57	2.9	148.6	5.292	-73.742	CNOCA
25-ene-12	N.D	10:51:34	N.D	N.D	N.D	N.D	CPAS2
25-ene-12	N.D	10:51:34	N.D	N.D	N.D	N.D	CPAS1
25-ene-12	Santa Helena del Opón (Santander)	11:32:53	2.8	109.4	6.329	-73.631	CNOCA
25-ene-12	Nuquí (Chocó)	14:36:59	4.4	22	5.463	-77.552	CMAN1
25-ene-12	Nuquí (Chocó)	14:36:59	4.4	22	5.463	-77.552	RAC20
25-ene-12	Nuquí (Chocó)	14:36:59	4.4	22	5.463	-77.552	CIBA1
26-ene-12	Nuquí (Chocó)	11:50:30	3.8	16.2	5.448	-77.588	CMAN1
26-ene-12	Nuquí (Chocó)	11:50:30	3.8	16.2	5.448	-77.588	CNOCA
27-ene-12	El Dovio (Valle)	08:07:54	2.9	124.6	4.523	-76.189	CMAN1
27-ene-12	El Dovio (Valle)	08:07:54	2.9	124.6	4.523	-76.189	CIBA1

27-ene-12	Uribia (Guajira)	09:07:25	2.9	5	12.729	-71.448	CURIB
27-ene-12	Villa Caro (N. de Santander)	14:09:48	3.3	174.6	8.017	-72.994	CCUC3
27-ene-12	Villa Caro (N. de Santander)	14:09:48	3.3	174.6	8.017	-72.994	CMON2
27-ene-12	Villa Caro (N. de Santander)	14:09:48	3.3	174.6	8.017	-72.994	CNOCA
28-ene-12	Gigante (Huila)	09:11:05	3.4	3	2.448	-75.588	CFLOR
28-ene-12	Gigante (Huila)	09:11:05	3.4	3	2.448	-75.588	CPOP2
28-ene-12	Gigante (Huila)	09:11:05	3.4	3	2.448	-75.588	CIBA1
28-ene-12	Gigante (Huila)	09:11:05	3.4	3	2.448	-75.588	CPAS2
28-ene-12	Gigante (Huila)	09:11:05	3.4	3	2.448	-75.588	CPAS1
30-ene-12	Riosucio (Chocó)	22:49:51	3.2	40	7.461	-77.081	CMON2
31-ene-12	Cucunubá (Cundinamarca)	13:40:46	2.8	141.4	5.287	-73.75	CNOCA
31-ene-12	Saladoblanco (Huila)	14:29:10	2.5	4	2.01	-76.107	CFLOR
1-feb-12	El Carmen de Chucurí (Santander)	09:44:02	2.8	112.8	6.573	-73.449	CNOCA
1-feb-12	El Carmen de Chucurí (Santander)	09:44:02	2.8	112.8	6.573	-73.449	CMON2
1-feb-12	Los Santos (Santander)	20:21:54	2.9	142.2	6.791	-73.154	CCUC3
1-feb-12	Los Santos (Santander)	20:21:54	2.9	142.2	6.791	-73.154	CNOCA
4-feb-12	Los Santos (Santander)	15:48:32	3.5	142.8	6.776	-73.159	CCUC3
4-feb-12	Los Santos (Santander)	15:48:32	3.5	142.8	6.776	-73.159	CNOCA
4-feb-12	Los Santos (Santander)	15:48:32	3.5	142.8	6.776	-73.159	CMON2
5-feb-12	Tadó (Chocó)	11:46:59	3.4	73.6	5.161	-76.466	CNOCA
5-feb-12	Los Santos (Santander)	11:49:13	2.7	143.6	6.748	-73.15	CNOCA
6-feb-12	Los Santos (Santander)	21:56:41	2.8	145.2	6.786	-73.148	CCUC3
6-feb-12	Los Santos (Santander)	21:56:41	2.8	145.2	6.786	-73.148	CNOCA
7-feb-12	La Mesa (Cundinamarca)	05:28:35	3.2	0.1	4.62	-74.521	CIBA1
7-feb-12	La Mesa (Cundinamarca)	05:28:35	3.2	0.1	4.62	-74.521	CFLOR
7-feb-12	La Mesa (Cundinamarca)	05:28:35	3.2	0.1	4.62	-74.521	CNOCA
7-feb-12	La Mesa (Cundinamarca)	05:28:35	3.2	0.1	4.62	-74.521	CMAN1
7-feb-12	Los Santos (Santander)	08:40:00	3.6	144.8	6.785	-73.16	CCUC3
7-feb-12	Los Santos (Santander)	08:40:00	3.6	144.8	6.785	-73.16	CNOCA
7-feb-12	Los Santos (Santander)	08:40:00	3.6	144.8	6.785	-73.16	CIBA1
7-feb-12	Los Santos (Santander)	08:40:00	3.6	144.8	6.785	-73.16	CMAN1
7-feb-12	Rionegro (Santander)	16:16:49	2.7	129.8	7.367	-73.194	CCUC3
7-feb-12	Rionegro (Santander)	16:16:49	2.7	129.8	7.367	-73.194	CNOCA
7-feb-12	Cumaral (Meta)	22:46:34	3.1	4.6	4.386	-73.507	CVIL1
8-feb-12	Gorgona (O. Pacifico)	03:44:51	3.2	23.9	2.967	-78.052	CTUM2
8-feb-12	Gorgona (O. Pacifico)	03:44:51	3.2	23.9	2.967	-78.052	CPAS2
8-feb-12	Victoria (Caldas)	09:38:11	3.8	2.9	5.377	-74.868	CNOCA
8-feb-12	Victoria (Caldas)	09:38:11	3.8	2.9	5.377	-74.868	CMAN1
8-feb-12	Victoria (Caldas)	09:38:11	3.8	2.9	5.377	-74.868	CCUC3
8-feb-12	Victoria (Caldas)	09:38:11	3.8	2.9	5.377	-74.868	CMON2
8-feb-12	N.D	10:55:02	N.D	N.D	N.D	N.D	CTUM2
8-feb-12	N.D	10:55:02	N.D	N.D	N.D	N.D	CPAS2
8-feb-12	N.D	10:55:02	N.D	N.D	N.D	N.D	CPOP2
8-feb-12	N.D	10:55:02	N.D	N.D	N.D	N.D	RAC20
8-feb-12	N.D	10:55:02	N.D	N.D	N.D	N.D	CFLOR

8-feb-12	N.D	10:55:02	N.D	N.D	N.D	N.D	CNOCA
8-feb-12	Bolivar (Santander)	19:12:58	2.4	118.1	6.009	-73.712	CNOCA
9-feb-12	N.D	02:07:00	N.D	N.D	N.D	N.D	CURIB
9-feb-12	Buenaventura (Valle)	05:45:39	3.5	13.4	3.739	-77.307	RAC20
9-feb-12	Buenaventura (Valle)	05:45:39	3.5	13.4	3.739	-77.307	CPOP2
9-feb-12	Buenaventura (Valle)	05:45:39	3.5	13.4	3.739	-77.307	CMAN1
9-feb-12	Buenaventura (Valle)	05:45:39	3.5	13.4	3.739	-77.307	CPAS2
9-feb-12	Buenaventura (Valle)	05:45:39	3.5	13.4	3.739	-77.307	CFLOR
9-feb-12	Buenaventura (Valle)	05:45:39	3.5	13.4	3.739	-77.307	CNOCA
9-feb-12	La Uribe (Meta)	20:07:50	3.6	4	3.29	-74.467	CFLOR
9-feb-12	La Uribe (Meta)	20:07:50	3.6	4	3.29	-74.467	CNOCA
11-feb-12	Convención (N. de Santander)	06:17:09	2.8	119.5	8.736	-73.339	CCUC3
11-feb-12	Convención (N. de Santander)	06:17:09	2.8	119.5	8.736	-73.339	CNOCA
11-feb-12	El Cármen (N. de Santander)	10:16:18	2.5	134.7	8.525	-73.439	CCUC3
12-feb-12	Puerto Tejada (Cauca)	12:20:35	3.6	37.2	3.278	-76.417	RAC20
12-feb-12	Puerto Tejada (Cauca)	12:20:35	3.6	37.2	3.278	-76.417	CPOP2
12-feb-12	Puerto Tejada (Cauca)	12:20:35	3.6	37.2	3.278	-76.417	CFLOR
12-feb-12	Puerto Tejada (Cauca)	12:20:35	3.6	37.2	3.278	-76.417	CPAS2
12-feb-12	Puerto Tejada (Cauca)	12:20:35	3.6	37.2	3.278	-76.417	CPAS1
12-feb-12	Puerto Tejada (Cauca)	12:20:35	3.6	37.2	3.278	-76.417	CNOCA
13-feb-12	Uramita (Antioquia)	08:13:57	3.4	2.1	6.95	-76.124	CNOCA
13-feb-12	Uramita (Antioquia)	08:13:57	3.4	2.1	6.95	-76.124	CMAN1
13-feb-12	Uramita (Antioquia)	08:13:57	3.4	2.1	6.95	-76.124	CMON2
13-feb-12	Uramita (Antioquia)	08:13:57	3.4	2.1	6.95	-76.124	CCUC3
14-feb-12	Medina (Cundinamarca)	11:01:23	3.1	15.2	4.498	-73.468	CCAQ1
14-feb-12	Medina (Cundinamarca)	11:01:23	3.1	15.2	4.498	-73.468	CCAQ2
15-feb-12	Juradó (Chocó)	14:54:48	4.4	24	7.597	-78.223	CMON2
15-feb-12	Juradó (Chocó)	14:54:48	4.4	24	7.597	-78.223	CNOCA
15-feb-12	Juradó (Chocó)	14:54:48	4.4	24	7.597	-78.223	CCUC3
15-feb-12	Lejanías (Meta)	21:42:15	3.7	19.4	3.583	-74.296	CIBA1
15-feb-12	Lejanías (Meta)	21:42:15	3.7	19.4	3.583	-74.296	CYOTO
15-feb-12	Lejanías (Meta)	21:42:15	3.7	19.4	3.583	-74.296	CNOCA
15-feb-12	Lejanías (Meta)	21:42:15	3.7	19.4	3.583	-74.296	CFLOR
15-feb-12	Lejanías (Meta)	21:42:15	3.7	19.4	3.583	-74.296	CGENO
18-feb-12	Sipí (Chocó)	19:15:11	3	73.9	4.67	-76.594	CYOTO
18-feb-12	Sipí (Chocó)	19:15:11	3	73.9	4.67	-76.594	CNOCA
19-feb-12	N.D	16:05:06	N.D	N.D	N.D	N.D	CURIB
19-feb-12	Argelia (Valle)	23:50:16	3.6	89.9	4.741	-76.177	CYOTO
19-feb-12	Argelia (Valle)	23:50:16	3.6	89.9	4.741	-76.177	CMAN1
19-feb-12	Argelia (Valle)	23:50:16	3.6	89.9	4.741	-76.177	CIBA1
19-feb-12	Argelia (Valle)	23:50:16	3.6	89.9	4.741	-76.177	RAC20
19-feb-12	Argelia (Valle)	23:50:16	3.6	89.9	4.741	-76.177	CNOCA
19-feb-12	Argelia (Valle)	23:50:16	3.6	89.9	4.741	-76.177	CGENO
20-feb-12	Los Santos (Santander)	12:09:38	4.1	149.7	6.79	-73.127	CCUC3
20-feb-12	Los Santos (Santander)	12:09:38	4.1	149.7	6.79	-73.127	CNOCA

20-feb-12	Los Santos (Santander)	12:09:38	4.1	149.7	6.79	-73.127	CMON2
20-feb-12	Los Santos (Santander)	12:09:38	4.1	149.7	6.79	-73.127	CIBA1
20-feb-12	Francisco Pizarro (Nariño)	12:30:11	2.3	12.4	2.108	-78.514	CTUM2
20-feb-12	Potosí (Nariño)	12:44:48	3.2	5	0.455	-77.37	CPAS2
20-feb-12	Potosí (Nariño)	12:44:48	3.2	5	0.455	-77.37	CFLOR
21-feb-12	Anapoima (Cundinamarca)	17:44:41	3.3	0	4.611	-74.535	CIBA1
21-feb-12	Anapoima (Cundinamarca)	17:44:41	3.3	0	4.611	-74.535	CNOCA
21-feb-12	Anapoima (Cundinamarca)	17:44:41	3.3	0	4.611	-74.535	CYOTO
21-feb-12	Anapoima (Cundinamarca)	17:44:41	3.3	0	4.611	-74.535	CFLOR
22-feb-12	N.D	04:09:14	N.D	N.D	N.D	N.D	CCUC3
22-feb-12	N.D	04:09:14	N.D	N.D	N.D	N.D	CNOCA
22-feb-12	N.D	04:09:14	N.D	N.D	N.D	N.D	CIBA1
22-feb-12	N.D	04:09:14	N.D	N.D	N.D	N.D	CMON2
24-feb-12	Los Santos (Santander)	03:05:43	4.1	137.8	6.766	-73.177	CCUC3
24-feb-12	Los Santos (Santander)	03:05:43	4.1	137.8	6.766	-73.177	CNOCA
24-feb-12	Los Santos (Santander)	03:05:43	4.1	137.8	6.766	-73.177	CMON2
24-feb-12	Trujillo (Valle)	12:16:30	2.2	2.4	4.247	-76.66	CYOTO
24-feb-12	San Pedro (Valle)	12:30:36	2	15.2	3.876	-76.12	CYOTO
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CCUC3
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CNOCA
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CMON2
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CMAN1
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	RAC20
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CBOG1
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CIBA1
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CFLOR
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CPOP2
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CPOP5
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CPAS2
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CGUAD
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CYOTO
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CVIL1
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CGIRO
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CPGA1
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CGRAL
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CREAC
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CCAQ1
24-feb-12	Los Santos (Santander)	13:43:17	5.8	153.8	6.797	-73.112	CCAQ2
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CCUC3
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CNOCA
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CMON2
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CIBA1
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CMAN1
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CYOTO
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CURIB

25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CPOP5
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CFLOR
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CPAS2
25-feb-12	Los Santos (Santander)	06:15:12	4.8	143.2	6.778	-73.135	CGIRO
25-feb-12	Olaya Herrera (Nariño)	11:14:30	3.3	72	2.118	-78.31	CTUM2
25-feb-12	Olaya Herrera (Nariño)	11:14:30	3.3	72	2.118	-78.31	CPAS2
25-feb-12	Los Santos (Santander)	20:50:02	3.2	149.8	6.786	-73.132	CNOCA
25-feb-12	Los Santos (Santander)	20:50:02	3.2	149.8	6.786	-73.132	CMON2
26-feb-12	Sardinata (N. de Santander)	08:41:07	3.7	0	8.309	-72.475	CCUC3
26-feb-12	Sardinata (N. de Santander)	08:41:07	3.7	0	8.309	-72.475	CMON2
26-feb-12	Sardinata (N. de Santander)	08:41:07	3.7	0	8.309	-72.475	CNOCA
26-feb-12	Sardinata (N. de Santander)	08:41:07	3.7	0	8.309	-72.475	CURIB
26-feb-12	Sardinata (N. de Santander)	08:41:07	3.7	0	8.309	-72.475	CMAN1
26-feb-12	San José del Guaviare (Guaviare)	15:06:07	4.3	26	2.21	-72.437	CFLOR
26-feb-12	San José del Guaviare (Guaviare)	15:06:07	4.3	26	2.21	-72.437	CNOCA
26-feb-12	San José del Guaviare (Guaviare)	15:06:07	4.3	26	2.21	-72.437	CYOTO
27-feb-12	Los Santos (Santander)	16:27:59	2.9	145.5	6.759	-73.131	CCUC3
27-feb-12	Los Santos (Santander)	16:27:59	2.9	145.5	6.759	-73.131	CNOCA
28-feb-12	Guadalupe (Antioquia)	01:07:56	3	18.3	6.828	-75.166	CNOCA
28-feb-12	Guadalupe (Antioquia)	01:07:56	3	18.3	6.828	-75.166	CMON2
28-feb-12	Pulí (Cundinamarca)	07:33:01	3	17.7	4.699	-74.755	CIBA1
28-feb-12	Pulí (Cundinamarca)	07:33:01	3	17.7	4.699	-74.755	CNOCA
28-feb-12	Pulí (Cundinamarca)	07:33:01	3	17.7	4.699	-74.755	CMAN1
29-feb-12	Los Santos (Santander)	02:10:52	3	144.8	6.791	-73.133	CCUC3
29-feb-12	Los Santos (Santander)	02:10:52	3	144.8	6.791	-73.133	CNOCA
29-feb-12	Los Santos (Santander)	02:10:52	3	144.8	6.791	-73.133	CMON2
29-feb-12	Trujillo (Valle)	07:09:47	2.8	11.7	4.213	-76.647	CYOTO
29-feb-12	El Zulia (N. de Santander)	09:54:54	2.8	8.5	7.976	-72.695	CCUC3
29-feb-12	Santa Helena del Opón (Santander)	11:02:50	3.8	110	6.334	-73.625	CNOCA
29-feb-12	Santa Helena del Opón (Santander)	11:02:50	3.8	110	6.334	-73.625	CCUC3
29-feb-12	Santa Helena del Opón (Santander)	11:02:50	3.8	110	6.334	-73.625	CMON2
29-feb-12	Los Santos (Santander)	11:06:53	3	147.3	6.788	-73.084	CCUC3
29-feb-12	Los Santos (Santander)	11:06:53	3	147.3	6.788	-73.084	CNOCA
29-feb-12	Los Santos (Santander)	11:06:53	3	147.3	6.788	-73.084	CMON2
29-feb-12	Los Santos (Santander)	17:53:16	3	142.2	6.778	-73.158	CCUC3
29-feb-12	Los Santos (Santander)	17:53:16	3	142.2	6.778	-73.158	CNOCA
29-feb-12	Los Santos (Santander)	17:53:16	3	142.2	6.778	-73.158	CMON2
29-feb-12	Sáchica (Boyacá)	18:05:10	2.1	154.4	5.579	-73.534	CNOCA
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CYOTO
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	RAC20
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CIBA1
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CMAN1
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CPOP2
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CPOP5
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CFLOR

1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CPAS2
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CTUM2
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CANSE
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CBUGA
1-mar-12	Sipí (Chocó)	01:41:12	4.5	93.5	4.373	-76.548	CGENO
2-mar-12	Santa Marta (Magdalena)	06:26:14	3.8	32.1	11.459	-74.397	CURIB
2-mar-12	Santa Marta (Magdalena)	06:26:14	3.8	32.1	11.459	-74.397	CCUC3
3-mar-12	Sipí (Chocó)	03:53:31	3.3	30.6	4.335	-76.762	CYOTO
3-mar-12	Sipí (Chocó)	03:53:31	3.3	30.6	4.335	-76.762	RAC20
3-mar-12	Sipí (Chocó)	03:53:31	3.3	30.6	4.335	-76.762	CNOCA
4-mar-12	Elias (Huila)	04:23:17	3.4	4	2.021	-75.935	CFLOR
4-mar-12	Elias (Huila)	04:23:17	3.4	4	2.021	-75.935	CPOP2
4-mar-12	Elias (Huila)	04:23:17	3.4	4	2.021	-75.935	CPOP5
4-mar-12	Elias (Huila)	04:23:17	3.4	4	2.021	-75.935	CYOTO
5-mar-12	Cúcuta (N. de Santander)	05:04:57	2.1	5.5	7.879	-72.5	CCUC3
5-mar-12	Timaná (Huila)	21:01:09	2.7	8.7	1.954	-75.92	CFLOR
7-mar-12	N.D	04:40:29	N.D	N.D	N.D	N.D	CMON2
7-mar-12	N.D	04:40:29	N.D	N.D	N.D	N.D	CCUC3
7-mar-12	N.D	04:40:29	N.D	N.D	N.D	N.D	CURIB
8-mar-12	Barrancas (Guajira)	11:21:43	3.7	66	11.244	-72.87	CURIB
8-mar-12	Barrancas (Guajira)	11:21:43	3.7	66	11.244	-72.87	CCUC3
8-mar-12	Barrancas (Guajira)	11:21:43	3.7	66	11.244	-72.87	CMON2
8-mar-12	Barrancas (Guajira)	11:21:43	3.7	66	11.244	-72.87	CGUAG
9-mar-12	N.D	17:55:00	N.D	N.D	N.D	N.D	CGENO
12-mar-12	Páez (Boyacá)	00:47:14	3.1	0	5.089	-73.08	CNOCA
12-mar-12	Saravena (Arauca)	06:09:22	3	12	7.526	-71.803	CCUC3
12-mar-12	Becerril (Cesar)	07:33:29	2.8	0	9.774	-72.855	CCODA
12-mar-12	Becerril (Cesar)	07:33:29	2.8	0	9.774	-72.855	CVALL
12-mar-12	Becerril (Cesar)	07:33:29	2.8	0	9.774	-72.855	CCUC3
12-mar-12	Becerril (Cesar)	07:33:29	2.8	0	9.774	-72.855	CURIB
12-mar-12	Ricaurte (Nariño)	10:16:16	2.6	46.4	1.083	-78.128	CPAS2
12-mar-12	Los Santos (Santander)	19:45:44	3.4	148.6	6.791	-73.134	CCUC3
12-mar-12	Los Santos (Santander)	19:45:44	3.4	148.6	6.791	-73.134	CNOCA
12-mar-12	Los Santos (Santander)	19:45:44	3.4	148.6	6.791	-73.134	CMON2
13-mar-12	Potosí (Nariño)	01:10:29	2.7	0	0.555	-77.649	CPAS2
13-mar-12	Los Santos (Santander)	15:57:37	3.3	147	6.804	-73.15	CCUC3
13-mar-12	Los Santos (Santander)	15:57:37	3.3	147	6.804	-73.15	CNOCA
13-mar-12	Los Santos (Santander)	15:57:37	3.3	147	6.804	-73.15	CMON2
15-mar-12	San Alberto (Cesar)	03:14:26	2.9	92.5	7.728	-73.696	CCUC3
15-mar-12	San Alberto (Cesar)	03:14:26	2.9	92.5	7.728	-73.696	CNOCA
15-mar-12	San Alberto (Cesar)	03:14:26	2.9	92.5	7.728	-73.696	CMON2
15-mar-12	San Alberto (Cesar)	03:14:26	2.9	92.5	7.728	-73.696	CCODA
15-mar-12	San Juanito (Meta)	03:50:46	2.8	9.3	4	-74	CCAQ1
15-mar-12	San Juanito (Meta)	03:50:46	2.8	9.3	4	-74	CCAQ2
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CPOP2

16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CPOP5
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	RAC20
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CTUM2
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CYOTO
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CPAS1
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CPAS2
16-mar-12	Gorgona (O. Pacífico)	16:34:04	4.2	0.4	3.091	-77.84	CFLOR
17-mar-12	Frontera Con Ecuador	08:47:12	2.5	2.7	0.337	-78.204	CTUM2
18-mar-12	Cachira (N. de Santander)	08:30:35	2.8	148	7.831	-73.106	CCUC3
18-mar-12	Cachira (N. de Santander)	08:30:35	2.8	148	7.831	-73.106	CCODA
18-mar-12	Mar Caribe	10:26:08	3.1	32.1	11.485	-71.48	CVALL
18-mar-12	Mar Caribe	10:26:08	3.1	32.1	11.485	-71.48	CCODA
19-mar-12	Quibdó (Chocó)	01:30:02	2.9	4	6.044	-76.581	CNOCA
19-mar-12	Quibdó (Chocó)	01:30:02	2.9	4	6.044	-76.581	CYOTO
19-mar-12	Paez (Boyacá)	08:59:51	2.5	0	5.159	-73.065	CNOCA
19-mar-12	Rivera (Huila)	12:55:37	2.9	18.5	2.69	-75.197	CFLOR
19-mar-12	Rivera (Huila)	12:55:37	2.9	18.5	2.69	-75.197	CYOTO
20-mar-12	San Antonio (Tolima)	02:48:36	2.3	4	3.896	-75.583	CGENO
20-mar-12	Sipí (Chocó)	12:56:46	3	13.3	4.329	-76.889	CYOTO
20-mar-12	Sipí (Chocó)	12:56:46	3	13.3	4.329	-76.889	RAC20
21-mar-12	Lenguezaque (Cundinamarca)	06:08:36	3.5	143.5	5.299	-73.747	CNOCA
21-mar-12	Lenguezaque (Cundinamarca)	06:08:36	3.5	143.5	5.299	-73.747	CCUC3
21-mar-12	Lenguezaque (Cundinamarca)	06:08:36	3.5	143.5	5.299	-73.747	CMON2
21-mar-12	Lenguezaque (Cundinamarca)	06:08:36	3.5	143.5	5.299	-73.747	CCODA
21-mar-12	Los Santos (Santander)	07:20:09	3.9	142	6.783	-73.104	CCUC3
21-mar-12	Los Santos (Santander)	07:20:09	3.9	142	6.783	-73.104	CNOCA
21-mar-12	Los Santos (Santander)	07:20:09	3.9	142	6.783	-73.104	CMON2
21-mar-12	Los Santos (Santander)	07:20:09	3.9	142	6.783	-73.104	CCODA
21-mar-12	Los Santos (Santander)	07:20:09	3.9	142	6.783	-73.104	CVALL
21-mar-12	Jardín (Antioquia)	09:57:27	3.1	3.1	5.485	-75.858	CMAN1
21-mar-12	Jardín (Antioquia)	09:57:27	3.1	3.1	5.485	-75.858	CNOCA
21-mar-12	Jardín (Antioquia)	09:57:27	3.1	3.1	5.485	-75.858	CIBA1
21-mar-12	Jardín (Antioquia)	09:57:27	3.1	3.1	5.485	-75.858	CFILA
21-mar-12	Jardín (Antioquia)	09:57:27	3.1	3.1	5.485	-75.858	CANSE
21-mar-12	Jardín (Antioquia)	09:57:27	3.1	3.1	5.485	-75.858	CRI02
22-mar-12	La Macarena (Meta)	09:48:37	2.8	0	2.27	-73.806	CFLOR
22-mar-12	Tibú (N.de Santander)	13:45:20	3.3	0	8.35	-72.525	CCUC3
22-mar-12	Tibú (N.de Santander)	13:45:20	3.3	0	8.35	-72.525	CCODA
22-mar-12	Tibú (N.de Santander)	13:45:20	3.3	0	8.35	-72.525	CVALL
22-mar-12	Sardinata (N. de Santander)	13:47:01	3.4	2	8.262	-72.511	CCUC3
22-mar-12	Sardinata (N. de Santander)	13:47:01	3.4	2	8.262	-72.511	CCODA
22-mar-12	Sardinata (N. de Santander)	13:47:01	3.4	2	8.262	-72.511	CVALL
23-mar-12	Los Santos (Santander)	14:20:58	2.7	142.6	6.81	-73.15	CNOCA
23-mar-12	Los Santos (Santander)	14:26:46	2.8	145.9	6.789	-73.134	CNOCA
23-mar-12	Lenguezaque (Cundinamarca)	20:46:37	2.9	141.2	5.299	-73.751	CNOCA

24-mar-12	El Dovio (Valle)	01:44:08	2.6	100	4.462	-76.203	CYOTO
25-mar-12	Los Santos (Santander)	11:30:19	3.8	146.3	6.823	-73.146	CCUC3
25-mar-12	Los Santos (Santander)	11:30:19	3.8	146.3	6.823	-73.146	CNOCA
25-mar-12	Los Santos (Santander)	11:30:19	3.8	146.3	6.823	-73.146	CCODA
25-mar-12	Los Santos (Santander)	11:30:19	3.8	146.3	6.823	-73.146	CMON2
26-mar-12	El Carmen de Chucurí (Santander)	04:13:06	3.3	108.6	6.564	-73.554	CCUC3
26-mar-12	El Carmen de Chucurí (Santander)	04:13:06	3.3	108.6	6.564	-73.554	CNOCA
26-mar-12	El Carmen de Chucurí (Santander)	04:13:06	3.3	108.6	6.564	-73.554	CCODA
26-mar-12	El Carmen de Chucurí (Santander)	04:13:06	3.3	108.6	6.564	-73.554	CMON2
26-mar-12	Lejanías (Meta)	05:08:21	3.6	0	3.593	-74.218	CIBA1
26-mar-12	Lejanías (Meta)	05:08:21	3.6	0	3.593	-74.218	CNOCA
26-mar-12	Lejanías (Meta)	05:08:21	3.6	0	3.593	-74.218	CYOTO
26-mar-12	Lejanías (Meta)	05:08:21	3.6	0	3.593	-74.218	CFLOR
26-mar-12	Lejanías (Meta)	05:08:21	3.6	0	3.593	-74.218	CPOP2
26-mar-12	Lejanías (Meta)	05:08:21	3.6	0	3.593	-74.218	CPOP5
26-mar-12	Pajarito (Boyacá)	14:07:30	3.1	11.8	5.318	-72.731	CNOCA
26-mar-12	San Diego (Cesar)	17:52:19	2.6	30.4	10.264	-73.115	CCODA
27-mar-12	Manauere (Guajira)	01:45:39	2.7	158.3	11.719	-72.572	CVALL
27-mar-12	Sevilla (Valle)	16:44:46	2.3	12.3	4.325	-75.991	CGENO
28-mar-12	Los Santos (Santander)	21:36:53	3.5	148.5	6.779	-73.148	CCUC3
28-mar-12	Los Santos (Santander)	21:36:53	3.5	148.5	6.779	-73.148	CNOCA
28-mar-12	Los Santos (Santander)	21:36:53	3.5	148.5	6.779	-73.148	CMON2
28-mar-12	Los Santos (Santander)	21:36:53	3.5	148.5	6.779	-73.148	CCODA
29-mar-12	Mutatá (Antioquia)	13:20:23	2.6	4	7.337	-76.288	CNOCA
29-mar-12	Mutatá (Antioquia)	13:20:23	2.6	4	7.337	-76.288	CMON2
29-mar-12	Trujillo (Valle)	15:22:17	2.6	67.5	4.281	-76.656	CYOTO
30-mar-12	Chameza (Casanare)	01:36:23	2.9	0	5.069	-72.9	CNOCA
30-mar-12	Frontera Con Panamá	18:13:41	2.9	78	9.202	-77.923	CMON2
30-mar-12	Sipí (Chocó)	21:35:58	2.8	19	4.338	-76.751	CYOTO
31-mar-12	Frontera Con Panamá	02:43:10	3.3	63.7	9.473	-77.939	CMON2
31-mar-12	Frontera Con Panamá	02:43:10	3.3	63.7	9.473	-77.939	CCODA
31-mar-12	Frontera Con Panamá	02:43:10	3.3	63.7	9.473	-77.939	CVALL
31-mar-12	Zapatoca (Santander)	04:20:41	3	137.5	6.823	-73.184	CCUC3
31-mar-12	Zapatoca (Santander)	04:20:41	3	137.5	6.823	-73.184	CNOCA
31-mar-12	Zapatoca (Santander)	04:20:41	3	137.5	6.823	-73.184	CCODA
31-mar-12	Zapatoca (Santander)	04:20:41	3	137.5	6.823	-73.184	CMON2
31-mar-12	Agustín Codazzi (Cesar)	17:22:35	2.6	11.4	9.904	-72.946	CCODA
4-abr-12	Sevilla (Valle)	12:33:14	2.5	158.6	4.281	-75.954	CYOTO
5-abr-12	Bajo Baudó (Chocó)	00:21:05	2.5	24	5.053	-77.505	CYOTO
5-abr-12	Cucunubá (Cundinamarca)	00:31:17	2.6	141.7	5.293	-73.772	CNOCA
5-abr-12	Mutatá (Antioquia)	01:05:56	2.7	4	7.309	-76.261	CMON2
5-abr-12	Mutatá (Antioquia)	01:05:56	2.7	4	7.309	-76.261	CNOCA
6-abr-12	Roncesvalles (Tolima)	00:17:27	1.8	4.1	4.11	-75.698	CGENO
6-abr-12	Aracataca (Magdalena)	02:12:20	2.6	0	10.601	-74.325	CVALL
6-abr-12	Aracataca (Magdalena)	02:12:20	2.6	0	10.601	-74.325	CCODA

6-abr-12	El Tarra (N. de Santander)	07:15:31	2.7	132.7	8.52	-73.184	CCUC3
6-abr-12	El Tarra (N. de Santander)	07:15:31	2.7	132.7	8.52	-73.184	CCODA
6-abr-12	El Tarra (N. de Santander)	07:15:31	2.7	132.7	8.52	-73.184	CVALL
6-abr-12	El Tarra (N. de Santander)	07:15:31	2.7	132.7	8.52	-73.184	CNOCA
6-abr-12	Fundación (Magdalena)	08:26:55	2.5	0.3	10.493	-74.028	CCODA
6-abr-12	Fundación (Magdalena)	08:26:55	2.5	0.3	10.493	-74.028	CVALL
6-abr-12	El Cármen de Chucurí (Santander)	10:22:19	3.4	108.4	6.54	-73.535	CNOCA
6-abr-12	El Cármen de Chucurí (Santander)	10:22:19	3.4	108.4	6.54	-73.535	CCUC3
6-abr-12	El Cármen de Chucurí (Santander)	10:22:19	3.4	108.4	6.54	-73.535	CMON2
6-abr-12	El Cármen de Chucurí (Santander)	10:22:19	3.4	108.4	6.54	-73.535	CCODA
6-abr-12	El Cármen de Chucurí (Santander)	10:22:19	3.4	108.4	6.54	-73.535	CVALL
6-abr-12	Maicao (Guajira)	21:10:56	2.6	0	11.432	-71.282	CURIB
7-abr-12	Los Santos (Santander)	01:43:54	2.8	136	6.805	-73.161	CCUC3
7-abr-12	Los Santos (Santander)	01:43:54	2.8	136	6.805	-73.161	CNOCA
7-abr-12	Los Santos (Santander)	02:21:33	3.1	146.4	6.81	-73.156	CCUC3
7-abr-12	Los Santos (Santander)	02:21:33	3.1	146.4	6.81	-73.156	CNOCA
7-abr-12	Los Santos (Santander)	02:21:33	3.1	146.4	6.81	-73.156	CMON2
7-abr-12	Colombia (Huila)	17:20:32	2.6	4.6	3.446	-74.635	CNOCA
7-abr-12	Colombia (Huila)	17:20:32	2.6	4.6	3.446	-74.635	CFLOR
7-abr-12	Sipí (Chocó)	21:27:05	2.9	21.4	4.351	-76.828	CYOTO
8-abr-12	Neira (Caldas)	06:30:58	2.3	4	5.216	-75.533	CMAN1
8-abr-12	Neira (Caldas)	06:30:58	2.3	4	5.216	-75.533	CNOCA
8-abr-12	Neira (Caldas)	06:31:50	3.1	0	5.209	-75.567	CMAN1
8-abr-12	Neira (Caldas)	06:31:50	3.1	0	5.209	-75.567	CNOCA
8-abr-12	Neira (Caldas)	06:31:50	3.1	0	5.209	-75.567	CIBA1
8-abr-12	Neira (Caldas)	06:31:50	3.1	0	5.209	-75.567	CYOTO
8-abr-12	Neira (Caldas)	06:31:50	3.1	0	5.209	-75.567	CFILA
9-abr-12	Neira (Caldas)	01:22:16	2.6	4	5.21	-75.525	CMAN1
9-abr-12	Neira (Caldas)	01:22:16	2.6	4	5.21	-75.525	CNOCA
9-abr-12	Neira (Caldas)	01:22:16	2.6	4	5.21	-75.525	CFILA
10-abr-12	Villanueva (Bolívar)	06:38:31	2.9	32.1	10.402	-75.243	CCODA
10-abr-12	Villanueva (Bolívar)	06:38:31	2.9	32.1	10.402	-75.243	CVALL
10-abr-12	Villanueva (Bolívar)	06:38:31	2.9	32.1	10.402	-75.243	CMON2
10-abr-12	Acandí (Chocó)	07:35:03	2.9	24.3	8.191	-77.352	CMON2
10-abr-12	Los Santos (Santander)	18:46:27	3.5	141.9	6.82	-73.171	CCUC3
10-abr-12	Los Santos (Santander)	18:46:27	3.5	141.9	6.82	-73.171	CNOCA
10-abr-12	Los Santos (Santander)	18:46:27	3.5	141.9	6.82	-73.171	CMON2
10-abr-12	Los Santos (Santander)	18:46:27	3.5	141.9	6.82	-73.171	CCODA
11-abr-12	Tello (Huila)	09:52:18	2.9	9.3	2.882	-74.885	CFLOR
11-abr-12	Tello (Huila)	09:52:18	2.9	9.3	2.882	-74.885	CIBA1
11-abr-12	Tello (Huila)	09:52:18	2.9	9.3	2.882	-74.885	CYOTO
11-abr-12	Barranco de loba (Bolívar)	11:55:58	2.6	63.5	8.775	-74.1	CCODA
11-abr-12	Barranco de loba (Bolívar)	11:55:58	2.6	63.5	8.775	-74.1	CVALL
11-abr-12	Roldanillo (Valle)	17:04:21	2.6	97.2	4.425	-76.119	CYOTO
11-abr-12	N.D	20:03:43	N.D	N.D	N.D	N.D	CPAS1

11-abr-12	N.D	20:04:06	N.D	N.D	N.D	N.D	CPAS1
11-abr-12	N.D	20:04:34	N.D	N.D	N.D	N.D	CPAS1
11-abr-12	Los Santos (Santander)	20:04:54	3.9	145.1	6.8	-73.143	CCUC3
11-abr-12	Los Santos (Santander)	20:04:54	3.9	145.1	6.8	-73.143	CNOCA
11-abr-12	Los Santos (Santander)	20:04:54	3.9	145.1	6.8	-73.143	CMON2
11-abr-12	Los Santos (Santander)	20:04:54	3.9	145.1	6.8	-73.143	CCODA
11-abr-12	N.D	20:10:52	N.D	N.D	N.D	N.D	CPAS1
11-abr-12	N.D	20:11:09	N.D	N.D	N.D	N.D	CPAS1
11-abr-12	N.D	20:11:34	N.D	N.D	N.D	N.D	CPAS1
11-abr-12	N.D	20:14:41	N.D	N.D	N.D	N.D	CPAS1
11-abr-12	N.D	21:01:53	N.D	N.D	N.D	N.D	CPAS2
11-abr-12	Caldas (Boyacá)	21:03:11	2.7	127.5	5.578	-73.85	CNOCA
11-abr-12	Génova (Quindío)	23:46:38	2.6	37.8	4.181	-75.73	CYOTO
12-abr-12	Riohacha (Guajira)	03:34:19	3.2	54	11.25	-72.902	CVALL
12-abr-12	Riohacha (Guajira)	03:34:19	3.2	54	11.25	-72.902	CURIB
12-abr-12	Riohacha (Guajira)	03:34:19	3.2	54	11.25	-72.902	CCODA
12-abr-12	Los Santos (Santander)	06:05:32	3.2	142	6.768	-73.134	CCUC3
12-abr-12	Los Santos (Santander)	06:05:32	3.2	142	6.768	-73.134	CNOCA
12-abr-12	Los Santos (Santander)	06:05:32	3.2	142	6.768	-73.134	CMON2
12-abr-12	Cucunubá (Cundinamarca)	07:52:12	2.5	138.5	5.269	-73.726	CNOCA
12-abr-12	San Cayetano (Cundinamarca)	21:49:10	2.5	115.8	5.302	-74.102	CNOCA
12-abr-12	San Pedro (Valle)	22:15:08	2.6	116.7	3.98	-76.265	CYOTO
13-abr-12	Calima (Valle)	04:14:04	1.8	76	4.051	-76.452	CYOTO
13-abr-12	Los Santos (Santander)	04:17:14	2.8	148.2	6.805	-73.154	CCUC3
13-abr-12	Los Santos (Santander)	04:17:14	2.8	148.2	6.805	-73.154	CNOCA
13-abr-12	Acandí (Chocó)	20:05:02	2.6	66.6	8.534	-77.395	CNOCA
13-abr-12	Argelia (Valle)	20:26:22	2.3	96.2	4.755	-76.169	CYOTO
16-abr-12	La paz (Santander)	01:05:03	2.3	28.1	6.262	-73.582	CNOCA
16-abr-12	Gigante (Huila)	15:58:52	2.6	5.4	2.367	-75.51	CFLOR
17-abr-12	Los Santos (Santander)	07:55:29	3.1	140.7	6.781	-73.113	CCUC3
17-abr-12	Los Santos (Santander)	07:55:29	3.1	140.7	6.781	-73.113	CNOCA
17-abr-12	Los Santos (Santander)	07:55:29	3.1	140.7	6.781	-73.113	CMON2
17-abr-12	Sevilla (Valle)	08:45:53	2.2	140	4.31	-75.937	CYOTO
17-abr-12	Los Santos (Santander)	09:46:44	3.4	150.6	6.798	-73.138	CCUC3
17-abr-12	Los Santos (Santander)	09:46:44	3.4	150.6	6.798	-73.138	CNOCA
17-abr-12	Los Santos (Santander)	09:46:44	3.4	150.6	6.798	-73.138	CMON2
17-abr-12	Los Santos (Santander)	09:46:44	3.4	150.6	6.798	-73.138	CCODA
17-abr-12	El Dovio (Valle)	23:57:31	2.2	6.7	4.488	-76.18	CYOTO
18-abr-12	Los Santos (Santander)	05:55:07	3	148.9	6.782	-73.102	CCUC3
18-abr-12	Los Santos (Santander)	05:55:07	3	148.9	6.782	-73.102	CNOCA
18-abr-12	Los Santos (Santander)	05:55:07	3	148.9	6.782	-73.102	CMON2
18-abr-12	Dabeiba (Antioquia)	13:20:22	3.5	2.9	6.927	-76.246	CMON2
18-abr-12	Dabeiba (Antioquia)	13:20:22	3.5	2.9	6.927	-76.246	CNOCA
18-abr-12	Dabeiba (Antioquia)	15:46:03	2.8	4.1	6.923	-76.241	CNOCA
18-abr-12	Los Santos (Santander)	17:27:44	2.8	142.7	6.795	-73.117	CCUC3

18-abr-12	Los Santos (Santander)	17:27:44	2.8	142.7	6.795	-73.117	CNOCA
18-abr-12	Los Santos (Santander)	17:27:44	2.8	142.7	6.795	-73.117	CMON2
19-abr-12	Dabeiba (Antioquia)	03:15:46	2.7	1.3	6.927	-76.244	CNOCA
19-abr-12	Urumita (Antioquia)	05:46:02	2.6	2	6.95	-76.18	CNOCA
19-abr-12	El Playón (Santander)	08:02:46	3.1	132.9	7.437	-73.178	CCUC3
19-abr-12	El Playón (Santander)	08:02:46	3.1	132.9	7.437	-73.178	CNOCA
19-abr-12	El Playón (Santander)	08:02:46	3.1	132.9	7.437	-73.178	CMON2
19-abr-12	Ciénaga (Magdalena)	13:56:37	2.7	20.1	10.865	-74.017	CVALL
19-abr-12	Ciénaga (Magdalena)	13:56:37	2.7	20.1	10.865	-74.017	CCODA
19-abr-12	Ciénaga (Magdalena)	13:56:37	2.7	20.1	10.865	-74.017	CURIB
19-abr-12	Los Santos (Santander)	14:34:16	3.1	144.5	6.79	-73.17	CCUC3
19-abr-12	Los Santos (Santander)	14:34:16	3.1	144.5	6.79	-73.17	CNOCA
19-abr-12	Los Santos (Santander)	14:34:16	3.1	144.5	6.79	-73.17	CMON2
19-abr-12	Riosucio (Chocó)	17:47:12	3.6	14.3	7.202	-77.183	CMON2
19-abr-12	Riosucio (Chocó)	17:47:12	3.6	14.3	7.202	-77.183	CNOCA
19-abr-12	Riosucio (Chocó)	17:47:12	3.6	14.3	7.202	-77.183	CCUC3
20-abr-12	El Cairo (Valle)	04:34:41	2.7	90.1	4.794	-76.196	CYOTO
20-abr-12	Valledupar (Cesar)	09:26:28	2.4	70	10.648	-73.312	CVALL
20-abr-12	Valledupar (Cesar)	09:26:28	2.4	70	10.648	-73.312	CCODA
20-abr-12	Valledupar (Cesar)	09:26:28	2.4	70	10.648	-73.312	CURIB
20-abr-12	La Jagua De Ibirico (Cesar)	17:42:45	2.2	0	9.619	-73.42	CCODA
21-abr-12	Cartago (Valle)	05:54:01	2.1	12.9	4.717	-75.89	CYOTO
21-abr-12	Colombia (Huila)	21:09:52	2.5	2	3.571	-74.548	CNOCA
21-abr-12	Colombia (Huila)	21:09:52	2.5	2	3.571	-74.548	CFLOR
21-abr-12	Los Santos (Santander)	21:24:59	3.5	150.1	6.802	-73.146	CCUC3
21-abr-12	Los Santos (Santander)	21:24:59	3.5	150.1	6.802	-73.146	CNOCA
21-abr-12	Los Santos (Santander)	21:24:59	3.5	150.1	6.802	-73.146	CMON2
21-abr-12	Los Santos (Santander)	21:24:59	3.5	150.1	6.802	-73.146	CCODA
21-abr-12	Cucunubá (Cundinamarca)	23:41:27	2.8	141.2	5.282	-73.764	CNOCA
22-abr-12	Palmar de Varela (Atlántico)	18:07:32	2.6	31	10.755	-74.733	CCODA
23-abr-12	Cucunubá (Cundinamarca)	08:10:00	3.1	144.9	5.296	-73.752	CNOCA
23-abr-12	Cucunubá (Cundinamarca)	08:10:00	3.1	144.9	5.296	-73.752	CMON2
23-abr-12	San Pedro (Valle)	15:56:35	2.4	10.2	3.994	-76.258	CYOTO
23-abr-12	Bajo Baudó (Chocó)	16:00:19	2.5	32	5.013	-77.917	CNOCA
23-abr-12	Bajo Baudó (Chocó)	16:00:19	2.5	32	5.013	-77.917	CYOTO
24-abr-12	Argelia (Valle)	10:11:33	2.3	90.4	4.739	-76.191	CYOTO
25-abr-12	San Diego (Cesar)	11:55:37	3.1	98.7	10.272	-73.455	CVALL
25-abr-12	San Diego (Cesar)	11:55:37	3.1	98.7	10.272	-73.455	CCODA
25-abr-12	San Diego (Cesar)	11:55:37	3.1	98.7	10.272	-73.455	CURIB
25-abr-12	Los Santos (Santander)	17:02:26	3.2	144	6.809	-73.117	CCUC3
25-abr-12	Los Santos (Santander)	17:02:26	3.2	144	6.809	-73.117	CNOCA
25-abr-12	Los Santos (Santander)	17:02:26	3.2	144	6.809	-73.117	CMON2
26-abr-12	Riosucio (Chocó)	05:21:14	2.9	10.7	7.421	-77.158	CMON2
26-abr-12	San Pedro (Valle)	08:05:43	2.6	123.3	3.921	-76.202	CYOTO
26-abr-12	Los Santos (Santander)	16:54:51	3.1	148.9	6.819	-73.132	CCUC3

26-abr-12	Los Santos (Santander)	16:54:51	3.1	148.9	6.819	-73.132	CMON2
26-abr-12	Barrancas (Guajira)	17:26:41	3.3	66	11.069	-72.527	CURIB
26-abr-12	Barrancas (Guajira)	17:26:41	3.3	66	11.069	-72.527	CVALL
26-abr-12	Barrancas (Guajira)	17:26:41	3.3	66	11.069	-72.527	CCODA
27-abr-12	Zaragoza (Antioquia)	03:54:24	3	22.8	7.464	-75.079	CMON2
27-abr-12	Zaragoza (Antioquia)	03:54:24	3	22.8	7.464	-75.079	CCUC3
28-abr-12	Francisco Pizarro (Nariño)	12:41:25	2.8	32.1	2.666	-79.877	CTUM2
29-abr-12	Bolivar (Valle)	07:22:24	2.2	102.20	4.38	-76.24	CYOTO
29-abr-12	Bolivar (Valle)	10:41:16	2.4	124.50	4.39	-76.27	CYOTO
30-abr-12	San Onofre (Sucre)	04:40:14	2.6	19.5	9.847	-75.483	CMON2
30-abr-12	San Onofre (Sucre)	04:40:14	2.6	19.5	9.847	-75.483	CCODA
30-abr-12	San Onofre (Sucre)	04:40:14	2.6	19.5	9.847	-75.483	CVALL
30-abr-12	Villarrica (Tolima)	05:08:04	2.5	0	3.728	-74.637	CIBA1
1-may-12	Los Santos (Santander)	06:59:51	3.1	145.8	6.802	-73.111	CCUC3
1-may-12	Los Santos (Santander)	06:59:51	3.1	145.8	6.802	-73.111	CMON2
1-may-12	Caicedonia (Valle)	09:15:39	1.2	4.2	4	-76	CGENO
1-may-12	Valdivia (Antioquia)	09:26:12	3.2	28.5	7.392	-75.504	CMON2
1-may-12	Valdivia (Antioquia)	09:26:12	3.2	28.5	7.392	-75.504	CMAN1
1-may-12	Valdivia (Antioquia)	09:26:12	3.2	28.5	7.392	-75.504	CCUC3
1-may-12	Los Santos (Santander)	16:06:00	3.8	151	6.801	-73.116	CCUC3
1-may-12	Los Santos (Santander)	16:06:00	3.8	151	6.801	-73.116	CMON2
1-may-12	Los Santos (Santander)	16:06:00	3.8	151	6.801	-73.116	CCODA
2-may-12	Tumaco (Nariño)	08:48:34	3.3	0	1.34	-79.195	CTUM2
2-may-12	Tumaco (Nariño)	08:48:34	3.3	0	1.34	-79.195	CPAS2
2-may-12	Tumaco (Nariño)	08:48:34	3.3	0	1.34	-79.195	CPOP2
2-may-12	Tumaco (Nariño)	08:51:20	2.5	7.5	1.587	-79.488	CTUM2
3-may-12	Los Santos (Santander)	01:53:38	3	143	6.787	-73.132	CCUC3
3-may-12	Los Santos (Santander)	01:53:38	3	143	6.787	-73.132	CMON2
3-may-12	Corinto (Cauca)	06:26:34	2.9	147.5	3.18	-76.256	CYOTO
3-may-12	Corinto (Cauca)	06:26:34	2.9	147.5	3.18	-76.256	CPOP2
3-may-12	Corinto (Cauca)	06:26:34	2.9	147.5	3.18	-76.256	CTUM2
4-may-12	Nuquí (Chocó)	01:05:43	2.6	0	5.461	-77.589	CYOTO
4-may-12	Riohacha (Guajira)	09:34:54	2.7	16.5	11.512	-73.375	CVALL
4-may-12	Riohacha (Guajira)	09:34:54	2.7	16.5	11.512	-73.375	CURIB
4-may-12	Riohacha (Guajira)	09:34:54	2.7	16.5	11.512	-73.375	CCODA
7-may-12	Cali (Valle)	15:51:38	2.9	119.4	3.394	-76.532	CYOTO
8-may-12	Los Santos (Santander)	14:32:49	4	151.9	6.804	-73.129	CMON2
8-may-12	Los Santos (Santander)	14:32:49	4	151.9	6.804	-73.129	CIBA1
8-may-12	Los Santos (Santander)	14:32:49	4	151.9	6.804	-73.129	CCODA
8-may-12	Los Santos (Santander)	14:32:49	4	151.9	6.804	-73.129	CVALL
8-may-12	Itzmina (Chocó)	16:10:29	2.6	32	5.265	-76.799	CYOTO
9-may-12	Agustín Codazzi (Cesar)	20:04:41	2.7	77.4	10.167	-73.504	CCODA
9-may-12	Agustín Codazzi (Cesar)	20:04:41	2.7	77.4	10.167	-73.504	CVALL
9-may-12	Agustín Codazzi (Cesar)	20:04:41	2.7	77.4	10.167	-73.504	CURIB
9-may-12	Océano Pacífico	23:29:38	3	32	3.748	-77.283	CYOTO

9-may-12	Océano Pacífico	23:29:38	3	32	3.748	-77.283	CTUM2
11-may-12	Cucunubá (Cundinamarca)	16:08:04	3.7	142.7	5.294	-73.75	CROSA
11-may-12	Cucunubá (Cundinamarca)	16:08:04	3.7	142.7	5.294	-73.75	CCUC3
11-may-12	Cucunubá (Cundinamarca)	16:08:04	3.7	142.7	5.294	-73.75	CMON2
11-may-12	Cucunubá (Cundinamarca)	16:08:04	3.7	142.7	5.294	-73.75	CCODA
13-may-12	El Tarra (N. de Santander)	13:38:56	2.8	0	8.611	-73.159	CCUC3
13-may-12	Manaure del Balcón (Cesar)	14:16:54	3.1	126.2	10.306	-72.952	CVALL
13-may-12	Manaure del Balcón (Cesar)	14:16:54	3.1	126.2	10.306	-72.952	CCODA
13-may-12	La Uribe (Meta)	15:27:44	3	6	3.366	-74.327	CIBA1
13-may-12	La Uribe (Meta)	15:27:44	3	6	3.366	-74.327	CFLOR
14-may-12	Murindó (Antioquia)	04:44:23	3.1	3.9	6.794	-76.683	CMON2
14-may-12	Murindó (Antioquia)	04:44:23	3.1	3.9	6.794	-76.683	CYOTO
14-may-12	Bajo Baudó (Chocó)	05:03:56	2.4	4.1	4.94	-77.775	CYOTO
16-may-12	El Cairo (Valle)	07:56:45	2	99.1	4.875	-76.243	CYOTO
16-may-12	El Molino (Guajira)	10:20:30	2.6	88	10.675	-72.907	CVALL
16-may-12	El Molino (Guajira)	10:20:30	2.6	88	10.675	-72.907	CCODA
16-may-12	Cajamarca (Tolima)	19:53:25	3.3	178	4.368	-75.471	CYOTO
17-may-12	Calima (Valle)	17:02:50	2.5	58.3	4.119	-76.734	CYOTO
18-may-12	El Calvario (Meta)	02:47:28	1.9	18.1	4.39	-73.66	CCAQ1
18-may-12	El Calvario (Meta)	02:49:07	2	4.2	4.38	-73.68	CCAQ1
18-may-12	El Calvario (Meta)	02:49:07	2	4.2	4.38	-73.68	CCAQ2
18-may-12	Los Santos (Santander)	22:08:35	3.5	149.8	6.792	-73.148	CCUC3
18-may-12	Los Santos (Santander)	22:08:35	3.5	149.8	6.792	-73.148	CROSA
18-may-12	Los Santos (Santander)	22:08:35	3.5	149.8	6.792	-73.148	CMON2
18-may-12	Los Santos (Santander)	22:08:35	3.5	149.8	6.792	-73.148	CCODA
20-may-12	Santa Ana (Magdalena)	01:04:40	3.4	68	9.558	-74.391	CCODA
20-may-12	Santa Ana (Magdalena)	01:04:40	3.4	68	9.558	-74.391	CVALL
20-may-12	Santa Ana (Magdalena)	01:04:40	3.4	68	9.558	-74.391	CMON2
20-may-12	Santa Ana (Magdalena)	01:04:40	3.4	68	9.558	-74.391	CCUC3
20-may-12	Santa Ana (Magdalena)	01:04:40	3.4	68	9.558	-74.391	CURIB
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CCUC3
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CROSA
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CMAN1
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CCODA
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CFLOR
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CMON2
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CVALL
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CYOTO
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CURIB
20-may-12	Los Santos (Santander)	04:59:58	4.5	152.6	6.85	-73.15	CBOG1
20-may-12	Los Santos (Santander)	05:46:49	3.9	147.2	6.833	-73.154	CCUC3
20-may-12	Los Santos (Santander)	05:46:49	3.9	147.2	6.833	-73.154	CROSA
20-may-12	Los Santos (Santander)	05:46:49	3.9	147.2	6.833	-73.154	CMON2
20-may-12	Los Santos (Santander)	05:46:49	3.9	147.2	6.833	-73.154	CMAN1
21-may-12	Ocamonte (Santander)	13:14:47	3.5	180	6.335	-73.155	CCUC3

21-may-12	Ocamonte (Santander)	13:14:47	3.5	180	6.335	-73.155	CROSA
21-may-12	Ocamonte (Santander)	13:14:47	3.5	180	6.335	-73.155	CMON2
21-may-12	Bahía Solano (Chocó)	23:31:03	3.8	16	5.863	-78	CYOTO
21-may-12	Bahía Solano (Chocó)	23:31:03	3.8	16	5.863	-78	CMON2
22-may-12	Murindó (Antioquia)	08:32:33	3.3	4	6.738	-76.656	CMAN1
22-may-12	Murindó (Antioquia)	08:32:33	3.3	4	6.738	-76.656	CMON2
22-may-12	Murindó (Antioquia)	08:32:33	3.3	4	6.738	-76.656	CYOTO
22-may-12	Murindó (Antioquia)	08:32:33	3.3	4	6.738	-76.656	CCUC3
24-may-12	Zapatoca (Santander)	04:30:53	3.3	141.1	6.812	-73.214	CCUC3
24-may-12	Zapatoca (Santander)	04:30:53	3.3	141.1	6.812	-73.214	CROSA
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CCUC3
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CROSA
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CIBA1
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CCODA
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CMON2
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CMAN1
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CVALL
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CYOTO
24-may-12	Zapatoca (Santander)	18:49:40	4.4	148.4	6.824	-73.183	CURIB
25-may-12	Tumaco (Nariño)	13:07:26	2.5	19.1	1.521	-78.601	CTUM2
27-may-12	El Cairo (Valle)	08:08:33	2.5	104.4	4.77	-76.281	CYOTO
28-may-12	Los Santos (Santander)	03:09:03	3	142.5	6.803	-73.149	CCUC3
28-may-12	Los Santos (Santander)	03:09:03	3	142.5	6.803	-73.149	CROSA
28-may-12	Los Santos (Santander)	03:09:03	3	142.5	6.803	-73.149	CMON2
28-may-12	Los Santos (Santander)	09:14:06	3.2	140.3	6.777	-73.181	CCUC3
28-may-12	Los Santos (Santander)	09:14:06	3.2	140.3	6.777	-73.181	CROSA
28-may-12	Los Santos (Santander)	09:14:06	3.2	140.3	6.777	-73.181	CMON2
28-may-12	La Jagua De Ibirico (Cesar)	17:42:25	2.6	4	9.57	-73.319	CCODA
29-may-12	Viterbo (Caldas)	05:30:33	2.4	108.7	5.028	-75.921	CYOTO
29-may-12	El Bagre (Antioquia)	12:36:55	2.5	43.6	7.724	-74.667	CMON2
29-may-12	Los Santos (Santander)	19:27:02	3	145.6	6.801	-73.167	CCUC3
29-may-12	Los Santos (Santander)	19:27:02	3	145.6	6.801	-73.167	CMON2
30-may-12	Lenguezaque (Cundinamarca)	00:57:51	4.3	146	5.311	-73.764	CBOG1
30-may-12	Lenguezaque (Cundinamarca)	00:57:51	4.3	146	5.311	-73.764	CROSA
30-may-12	Lenguezaque (Cundinamarca)	00:57:51	4.3	146	5.311	-73.764	CMAN1
30-may-12	Lenguezaque (Cundinamarca)	00:57:51	4.3	146	5.311	-73.764	CMON2
30-may-12	Obando (Valle)	01:12:40	2.6	38.1	4.616	-75.986	CYOTO
30-may-12	Pijao (Quindío)	10:51:05	2.5	0	4.332	-75.612	CYOTO
1-jun-12	Los Santos (Santander)	04:00:34	3.1	139.4	6.799	-73.183	CCUC3
1-jun-12	Los Santos (Santander)	04:00:34	3.1	139.4	6.799	-73.183	CROSA
1-jun-12	Los Santos (Santander)	04:00:34	3.1	139.4	6.799	-73.183	CMON2
1-jun-12	Maicao (Guajira)	06:14:26	2.8	85.7	10.945	-72.119	CVALL
1-jun-12	Maicao (Guajira)	06:14:26	2.8	85.7	10.945	-72.119	CCODA
2-jun-12	Ginebra (Valle)	02:46:32	3	9.7	3.836	-75.953	CYOTO
2-jun-12	Los Santos (Santander)	08:06:53	4	149.1	6.824	-73.165	CCUC3

2-jun-12	Los Santos (Santander)	08:06:53	4	149.1	6.824	-73.165	CROSA
2-jun-12	Los Santos (Santander)	08:06:53	4	149.1	6.824	-73.165	CMON2
2-jun-12	Los Santos (Santander)	08:06:53	4	149.1	6.824	-73.165	CIBA1
2-jun-12	Los Santos (Santander)	08:06:53	4	149.1	6.824	-73.165	CCODA
2-jun-12	Los Santos (Santander)	08:06:53	4	149.1	6.824	-73.165	CVALL
2-jun-12	Agustín Codazzi (Cesar)	13:26:20	2.6	114	10.179	-73.25	CVALL
2-jun-12	Agustín Codazzi (Cesar)	13:26:20	2.6	114	10.179	-73.25	CCODA
2-jun-12	Murindó (Antioquia)	21:59:56	3.1	15.8	7.03	-76.758	CMON2
2-jun-12	Murindó (Antioquia)	21:59:56	3.1	15.8	7.03	-76.758	CYOTO
3-jun-12	Segovia (Antioquia)	22:58:31	2.9	37.7	7.31	-74.608	CMON2
3-jun-12	Los Santos (Santander)	23:28:32	3.9	147	6.812	-73.136	CCUC3
3-jun-12	Los Santos (Santander)	23:28:32	3.9	147	6.812	-73.136	CROSA
3-jun-12	Los Santos (Santander)	23:28:32	3.9	147	6.812	-73.136	CMON2
3-jun-12	Los Santos (Santander)	23:28:32	3.9	147	6.812	-73.136	CIBA1
3-jun-12	Los Santos (Santander)	23:28:32	3.9	147	6.812	-73.136	CCODA
3-jun-12	Los Santos (Santander)	23:28:32	3.9	147	6.812	-73.136	CVALL
4-jun-12	Ipiales (Nariño)	02:48:43	2.6	0	0.12	-77.881	CPAS2
4-jun-12	Ipiales (Nariño)	02:48:43	2.6	0	0.12	-77.881	CPAS1
4-jun-12	Ipiales (Nariño)	02:48:43	2.6	0	0.12	-77.881	CCUFU
4-jun-12	Ipiales (Nariño)	02:48:43	2.6	0	0.12	-77.881	CFLOR
4-jun-12	Bajo Baudó (Chocó)	06:10:00	2.6	30.1	5.205	-77.664	CYOTO
4-jun-12	Soledad (Atlántico)	20:27:04	2.6	4	10.945	-74.691	CVALL
4-jun-12	Soledad (Atlántico)	20:27:04	2.6	4	10.945	-74.691	CCODA
5-jun-12	Génova (Quindío)	09:19:24	2.7	4	4.208	-75.783	CYOTO
6-jun-12	Tumaco (Nariño)	03:16:58	2.8	56	2.197	-80.104	CTUM2
6-jun-12	Bosconia (Cesar)	10:03:09	2.8	22.6	10.007	-74.015	CCODA
6-jun-12	Bosconia (Cesar)	10:03:09	2.8	22.6	10.007	-74.015	CVALL
8-jun-12	Salamina (Magdalena)	08:03:29	2.7	50.9	10.456	-74.733	CCODA
8-jun-12	Salamina (Magdalena)	08:03:29	2.7	50.9	10.456	-74.733	CVALL
8-jun-12	Los Santos (Santander)	11:41:14	3.3	144.7	6.832	-73.131	CCUC3
8-jun-12	Los Santos (Santander)	11:41:14	3.3	144.7	6.832	-73.131	CROSA
8-jun-12	Los Santos (Santander)	11:41:14	3.3	144.7	6.832	-73.131	CCODA
8-jun-12	Los Santos (Santander)	11:41:14	3.3	144.7	6.832	-73.131	CVALL
9-jun-12	Los Santos (Santander)	15:45:48	3.5	141.2	6.796	-73.134	CCUC3
9-jun-12	Los Santos (Santander)	15:45:48	3.5	141.2	6.796	-73.134	CROSA
9-jun-12	Los Santos (Santander)	15:45:48	3.5	141.2	6.796	-73.134	CCODA
9-jun-12	Los Santos (Santander)	15:45:48	3.5	141.2	6.796	-73.134	CMON2
9-jun-12	Los Santos (Santander)	15:45:48	3.5	141.2	6.796	-73.134	CVALL
9-jun-12	Agustín Codazzi (Cesar)	15:55:57	3.5	94.1	10.081	-73.448	CCODA
9-jun-12	Agustín Codazzi (Cesar)	15:55:57	3.5	94.1	10.081	-73.448	CVALL
10-jun-12	Calima (Valle)	02:54:21	3.2	59.9	4.075	-76.681	CYOTO
10-jun-12	Ricaurte (Nariño)	15:01:02	2.8	50	0.69	-78.481	CCUFU
10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CCUC3
10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CROSA
10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CMAN1

10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CMON2
10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CCODA
10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CVALL
10-jun-12	Los Santos (Santander)	15:21:41	4	146	6.82	-73.119	CIBA1
12-jun-12	Nechí (Antioquia)	07:16:33	3	24.4	8.062	-74.741	CCUC3
12-jun-12	Nechí (Antioquia)	07:16:33	3	24.4	8.062	-74.741	CCODA
12-jun-12	Nechí (Antioquia)	07:16:33	3	24.4	8.062	-74.741	CVALL
12-jun-12	Morales (Bolívar)	21:33:32	2.6	66.4	8.206	-74.059	CCUC3
12-jun-12	Morales (Bolívar)	21:33:32	2.6	66.4	8.206	-74.059	CMON2
12-jun-12	Morales (Bolívar)	21:33:32	2.6	66.4	8.206	-74.059	CCODA
13-jun-12	Agustín Codazzi (Cesar)	23:55:39	3.1	133.3	10.083	-72.998	CCODA
13-jun-12	Agustín Codazzi (Cesar)	23:55:39	3.1	133.3	10.083	-72.998	CVALL
14-jun-12	La Gloria (Cesar)	08:41:14	2.6	22.1	8.57	-74.177	CCODA
15-jun-12	Los Santos (Santander)	06:59:21	4.1	150.6	6.803	-73.146	CCUC3
15-jun-12	Los Santos (Santander)	06:59:21	4.1	150.6	6.803	-73.146	CMON2
15-jun-12	Los Santos (Santander)	06:59:21	4.1	150.6	6.803	-73.146	CIBA1
15-jun-12	Los Santos (Santander)	06:59:21	4.1	150.6	6.803	-73.146	CCODA
15-jun-12	Los Santos (Santander)	06:59:21	4.1	150.6	6.803	-73.146	CMAN1
16-jun-12	Ecuador (Geofísico de Ecuador)	00:19:40	5	21	-76.540	-2.30	CCUFU
16-jun-12	Ecuador (Geofísico de Ecuador)	00:19:40	5	21	-76.540	-2.30	CPAS2
16-jun-12	Ecuador (Geofísico de Ecuador)	00:19:40	5	21	-76.540	-2.30	CPAS1
16-jun-12	Ecuador (Geofísico de Ecuador)	00:19:40	5	21	-76.540	-2.30	CPOP2
16-jun-12	Ecuador (Geofísico de Ecuador)	00:19:40	5	21	-76.540	-2.30	CTUM2
16-jun-12	Ecuador (Geofísico de Ecuador)	00:19:40	5	21	-76.540	-2.30	CYOTO
16-jun-12	Argelia (Valle)	00:25:11	3.1	113.8	4.788	-76.165	CYOTO
17-jun-12	N.D	17:28:37	N.D	N.D	N.D	N.D	CCODA
18-jun-12	Lenguezaque (Cundinamarca)	23:45:49	3.4	32.1	5.336	-73.662	CIBA1
18-jun-12	Lenguezaque (Cundinamarca)	23:45:49	3.4	32.1	5.336	-73.662	CCUC3
18-jun-12	Lenguezaque (Cundinamarca)	23:45:49	3.4	32.1	5.336	-73.662	CMON2
18-jun-12	Lenguezaque (Cundinamarca)	23:45:49	3.4	32.1	5.336	-73.662	CCODA
19-jun-12	Guamo (Tolima)	12:21:11	3.8	4	3.981	-75.01	CMAN1
19-jun-12	Guamo (Tolima)	12:21:11	3.8	4	3.981	-75.01	CFLOR
19-jun-12	Guamo (Tolima)	12:21:11	3.8	4	3.981	-75.01	CCAQ2
19-jun-12	Ginebra (Valle)	17:35:57	2.9	4.2	3.667	-76.072	CYOTO
20-jun-12	Zapatoca (Santander)	03:28:46	3.1	145.8	6.792	-73.19	CCUC3
20-jun-12	Zapatoca (Santander)	03:28:46	3.1	145.8	6.792	-73.19	CMON2
20-jun-12	Zapatoca (Santander)	03:28:46	3.1	145.8	6.792	-73.19	CIBA1
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CPOP2
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CFLOR
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CCUFU
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CPAS2
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CPAS1
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CYOTO
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CIBA1
20-jun-12	Puracé (Cauca)	12:31:29	4.2	154.8	2.361	-76.479	CMAN1

20-jun-12	N.D	17:24:10	N.D	N.D	N.D	N.D	CCODA
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CROSA
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CMAN1
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CCUC3
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CIBA1
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CMON2
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CYOTO
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CCODA
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CVALL
20-jun-12	Puerto Parra (Santander)	17:38:31	4.4	28.8	6.575	-74.122	CBUIS
21-jun-12	Saravena (Arauca)	05:50:02	2.8	0	6.802	-72.024	CCUC3
21-jun-12	Palestina (Huila)	19:53:59	2.6	4	1.55	-76.173	CFLOR
21-jun-12	Palestina (Huila)	19:53:59	2.6	4	1.55	-76.173	CCUFU
21-jun-12	Palestina (Huila)	19:53:59	2.6	4	1.55	-76.173	CPAS2
21-jun-12	Palestina (Huila)	19:53:59	2.6	4	1.55	-76.173	CPAS1
21-jun-12	Piedecuesta (Santander)	20:59:55	3.5	159.3	6.954	-73.07	CCUC3
21-jun-12	Piedecuesta (Santander)	20:59:55	3.5	159.3	6.954	-73.07	CMON2
21-jun-12	Piedecuesta (Santander)	20:59:55	3.5	159.3	6.954	-73.07	CROSA
21-jun-12	Piedecuesta (Santander)	20:59:55	3.5	159.3	6.954	-73.07	CCODA
21-jun-12	Piedecuesta (Santander)	20:59:55	3.5	159.3	6.954	-73.07	CVALL
22-jun-12	Nuquí (Chocó)	01:52:51	3.9	32	5.8	-77.871	CYOTO
22-jun-12	Guaduas (Cundinamarca)	09:44:47	3.4	0	5.043	-74.752	CYOTO
24-jun-12	Albania (Santander)	02:59:38	3.1	105.8	5.747	-73.916	CCUC3
24-jun-12	Albania (Santander)	02:59:38	3.1	105.8	5.747	-73.916	CMON2
24-jun-12	Albania (Santander)	02:59:38	3.1	105.8	5.747	-73.916	CROSA
26-jun-12	N.D	03:40:00	N.D	N.D	N.D	N.D	CPROV
26-jun-12	Los Santos (Santander)	19:02:26	3.8	148.6	6.798	-73.147	CCUC3
26-jun-12	Los Santos (Santander)	19:02:26	3.8	148.6	6.798	-73.147	CROSA
26-jun-12	Los Santos (Santander)	19:02:26	3.8	148.6	6.798	-73.147	CCODA
26-jun-12	Los Santos (Santander)	19:02:26	3.8	148.6	6.798	-73.147	CMON2
26-jun-12	Los Santos (Santander)	19:02:26	3.8	148.6	6.798	-73.147	CVALL
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CYOTO
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CIBA1
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CPOP2
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CMAN1
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CFLOR
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CCUFU
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CPAS2
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CPAS1
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CROSA
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CMON2
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CCODA
27-jun-12	Guacarí (Valle)	03:47:52	4.5	142.9	3.757	-76.348	CVALL
27-jun-12	Tumaco (Nariño)	20:22:22	3.2	0	1.553	-78.716	CYOTO
28-jun-12	El Molino (Guajira)	11:08:04	3.1	0	10.624	-72.605	CCODA

28-jun-12	El Molino (Guajira)	11:08:04	3.1	0	10.624	-72.605	CVALL
29-jun-12	Los Santos (Santander)	03:16:59	3.1	145	6.81	-73.146	CCUC3
29-jun-12	Los Santos (Santander)	03:16:59	3.1	145	6.81	-73.146	CROSA
29-jun-12	Los Santos (Santander)	03:16:59	3.1	145	6.81	-73.146	CMON2
29-jun-12	Cucunubá (Cundinamarca)	08:38:30	2.7	142.3	5.283	-73.761	CROSA
30-jun-12	Los Santos (Santander)	15:35:13	3.2	149.2	6.811	-73.149	CCUC3
30-jun-12	Los Santos (Santander)	15:35:13	3.2	149.2	6.811	-73.149	CROSA
1-jul-12	Santa Marta (Magdalena)	00:25:40	2.2	21.6	11.417	-73.641	CVALL
1-jul-12	Los Santos (Santander)	12:09:02	3.4	148.2	6.81	-73.149	CCUC3
1-jul-12	Los Santos (Santander)	12:09:02	3.4	148.2	6.81	-73.149	CROSA
1-jul-12	Los Santos (Santander)	12:09:02	3.4	148.2	6.81	-73.149	CIBA1
1-jul-12	Los Santos (Santander)	12:09:02	3.4	148.2	6.81	-73.149	CCODA
1-jul-12	Los Santos (Santander)	12:09:02	3.4	148.2	6.81	-73.149	CMON2
1-jul-12	Yumbo (Valle)	14:30:47	2.1	15.2	3.573	-76.477	CYOTO
1-jul-12	Santuario (Risaralda)	18:17:44	2.4	99.2	5.059	-76.005	CYOTO
3-jul-12	La Uribe (Meta)	06:54:38	2.9	18.9	3.508	-74.372	CIBA1
3-jul-12	La Uribe (Meta)	06:54:38	2.9	18.9	3.508	-74.372	CROSA
3-jul-12	San Alberto (Cesar)	17:01:07	3.3	110	7.622	-73.437	CCUC3
3-jul-12	San Alberto (Cesar)	17:01:07	3.3	110	7.622	-73.437	CMON2
3-jul-12	San Alberto (Cesar)	17:01:07	3.3	110	7.622	-73.437	CCODA
3-jul-12	San Alberto (Cesar)	17:01:07	3.3	110	7.622	-73.437	CVALL
3-jul-12	San Alberto (Cesar)	17:01:07	3.3	110	7.622	-73.437	CROSA
3-jul-12	Argelia (Valle)	17:32:18	2.2	114	4.724	-76.172	CYOTO
3-jul-12	El Dovio (Valle)	21:02:06	2.8	114.3	4.441	-76.326	CYOTO
4-jul-12	Magangué (Bolívar)	02:53:22	2.2	32.1	9.239	-74.707	CMON2
4-jul-12	Magangué (Bolívar)	02:53:22	2.2	32.1	9.239	-74.707	CCODA
4-jul-12	Juradó (Chocó)	20:02:22	3.6	18.1	6.918	-77.594	CBSOL
5-jul-12	Rivera (Huila)	05:07:25	2.2	4	2.667	-75.078	CFLOR
5-jul-12	El Paso (Cesar)	05:59:47	2.4	84.9	9.783	-73.809	CCODA
5-jul-12	El Paso (Cesar)	05:59:47	2.4	84.9	9.783	-73.809	CVALL
6-jul-12	Agustín Codazzi (Cesar)	17:09:27	2.1	118.6	9.954	-73.176	CCODA
6-jul-12	Agustín Codazzi (Cesar)	17:09:27	2.1	118.6	9.954	-73.176	CVALL
6-jul-12	La Cruz (Nariño)	23:33:35	2.8	1.4	1.645	-76.868	CCUFU
6-jul-12	La Cruz (Nariño)	23:33:35	2.8	1.4	1.645	-76.868	CPAS2
6-jul-12	La Cruz (Nariño)	23:33:35	2.8	1.4	1.645	-76.868	CPAS1
6-jul-12	La Cruz (Nariño)	23:33:35	2.8	1.4	1.645	-76.868	CFLOR
7-jul-12	Mosquera (Nariño)	10:49:43	2.8	12	2.554	-79.035	CTUM2
7-jul-12	Mosquera (Nariño)	10:49:43	2.8	12	2.554	-79.035	CCUFU
7-jul-12	El Carmen de Chucurí (Santander)	13:06:23	3.8	105.3	6.538	-73.547	CCUC3
7-jul-12	El Carmen de Chucurí (Santander)	13:06:23	3.8	105.3	6.538	-73.547	CROSA
7-jul-12	El Carmen de Chucurí (Santander)	13:06:23	3.8	105.3	6.538	-73.547	CCODA
7-jul-12	El Carmen de Chucurí (Santander)	13:06:23	3.8	105.3	6.538	-73.547	CVALL
8-jul-12	Túquerres (Nariño)	10:09:35	2.5	0	1.112	-77.724	CCUFU
8-jul-12	Túquerres (Nariño)	10:09:35	2.5	0	1.112	-77.724	CPAS2
8-jul-12	Túquerres (Nariño)	10:09:35	2.5	0	1.112	-77.724	CPAS1

8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CCUC3
8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CROSA
8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CMON2
8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CIBA1
8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CMAN1
8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CCODA
8-jul-12	Los Santos (Santander)	11:15:02	4.1	152.7	6.8	-73.145	CVALL
8-jul-12	Alto Baudó (Chocó)	17:36:07	2.9	27	5.479	-76.826	CBSOL
8-jul-12	Alto Baudó (Chocó)	17:36:07	2.9	27	5.479	-76.826	CYOTO
8-jul-12	Argelia (Valle)	21:49:02	2	93.7	4.688	-76.183	CYOTO
8-jul-12	La Jagua De Ibirico (Cesar)	22:12:10	2.3	0	9.634	-73.518	CCODA
8-jul-12	La Jagua De Ibirico (Cesar)	22:12:10	2.3	0	9.634	-73.518	CVALL
8-jul-12	Los Santos (Santander)	22:21:01	3	148.9	6.808	-73.145	CCODA
8-jul-12	Los Santos (Santander)	22:21:01	3	148.9	6.808	-73.145	CVALL
9-jul-12	Garzón (Huila)	00:58:03	2	8.3	2.301	-75.643	CFLOR
9-jul-12	La Cumbre (Valle)	01:24:15	2.2	119.3	3.623	-76.628	CYOTO
9-jul-12	Bugalagrande (Valle)	02:46:29	2.3	133.3	4.229	-76.213	CYOTO
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CCUC3
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CCODA
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CMON2
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CROSA
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CIBA1
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CMAN1
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CVALL
9-jul-12	Rionegro (Santader)	09:50:37	4.4	4	7.369	-73.123	CBSOL
9-jul-12	Riosucio (Chocó)	11:22:26	2.5	32.1	7.216	-77.065	CBSOL
9-jul-12	Timaná (Huila)	12:12:34	2.8	4	2.002	-75.95	CFLOR
9-jul-12	Timaná (Huila)	12:12:34	2.8	4	2.002	-75.95	CCUFI
9-jul-12	La Jagua De Ibirico (Cesar)	17:38:47	2.1	0	9.634	-73.509	CCODA
9-jul-12	San Juan Del Cesar (Guajira)	21:24:36	2.2	80.7	10.794	-73.301	CVALL
9-jul-12	San Juan Del Cesar (Guajira)	21:24:36	2.2	80.7	10.794	-73.301	CCODA
9-jul-12	San Juan Del Cesar (Guajira)	21:24:36	2.2	80.7	10.794	-73.301	CURIB
9-jul-12	Los Santos (Santander)	22:27:01	3.3	138	6.817	-73.16	CCUC3
9-jul-12	Los Santos (Santander)	22:27:01	3.3	138	6.817	-73.16	CMON2
9-jul-12	Los Santos (Santander)	22:27:01	3.3	138	6.817	-73.16	CROSA
10-jul-12	Buenaventura (Valle)	06:21:00	2.3	17.7	3.874	-77.077	CYOTO
10-jul-12	Valledupar (Cesar)	14:02:02	2.3	85.2	10.468	-73.384	CVALL
10-jul-12	Valledupar (Cesar)	14:02:02	2.3	85.2	10.468	-73.384	CCODA
11-jul-12	San Juan Del Cesar (Guajira)	14:17:02	2.7	80	10.863	-73.311	CVALL
11-jul-12	San Juan Del Cesar (Guajira)	14:17:02	2.7	80	10.863	-73.311	CCODA
12-jul-12	Juradó (Chocó)	21:06:05	3.2	17.5	6.533	-78.027	CBSOL
12-jul-12	La Jagua De Ibirico (Cesar)	22:11:16	2	0	9.651	-73.508	CCODA
13-jul-12	El Charco (Nariño)	03:22:41	2.3	40	2.554	-78.258	CTUM2
13-jul-12	El Charco (Nariño)	03:22:41	2.3	40	2.554	-78.258	CCUFI
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CCUC3

13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CROSA
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CIBA1
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CMON2
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CMAN1
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CCODA
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CVALL
13-jul-12	Los Santos (Santander)	05:31:32	3.9	147.9	6.815	-73.139	CURIB
13-jul-12	Agustín Codazzi (Cesar)	07:02:51	2.2	115.7	10.111	-73.223	CCODA
13-jul-12	Agustín Codazzi (Cesar)	07:02:51	2.2	115.7	10.111	-73.223	CVALL
13-jul-12	Plantea Rica (Córdoba)	09:23:25	2.5	32	8.478	-75.599	CMON2
13-jul-12	Bajo Baudó (Chocó)	09:46:23	2.5	8	4.853	-77.46	CBSOL
13-jul-12	Bajo Baudó (Chocó)	09:46:23	2.5	8	4.853	-77.46	CYOTO
14-jul-12	Agrado (Huila)	03:04:35	2.9	3.4	2.271	-75.737	CFLOR
14-jul-12	Agrado (Huila)	03:04:35	2.9	3.4	2.271	-75.737	CPOP5
14-jul-12	Francisco Pizarro (Nariño)	03:51:47	2.6	21.9	2.215	-78.997	CTUM2
14-jul-12	Francisco Pizarro (Nariño)	03:51:47	2.6	21.9	2.215	-78.997	CCUFI
15-jul-12	Villanueva (Santander)	00:38:07	3.4	139.9	6.742	-73.162	CCUC3
15-jul-12	Villanueva (Santander)	00:38:07	3.4	139.9	6.742	-73.162	CROSA
15-jul-12	Villanueva (Santander)	00:38:07	3.4	139.9	6.742	-73.162	CMON2
16-jul-12	Los Santos (Santander)	00:58:39	2.7	142.8	6.809	-73.15	CTUM2
16-jul-12	N.D	02:44:46	N.D	N.D	N.D	N.D	CPAS1
16-jul-12	N.D	02:44:46	N.D	N.D	N.D	N.D	CCUFI
16-jul-12	Valledupar (Cesar)	02:46:32	2	20.4	10.569	-73.478	CVALL
16-jul-12	Valledupar (Cesar)	02:46:32	2	20.4	10.569	-73.478	CCODA
16-jul-12	N.D	02:48:24	N.D	N.D	N.D	N.D	CPAS1
16-jul-12	N.D	02:48:24	N.D	N.D	N.D	N.D	CCUFI
16-jul-12	N.D	02:56:38	N.D	N.D	N.D	N.D	CPAS1
16-jul-12	N.D	02:56:38	N.D	N.D	N.D	N.D	CCUFI
16-jul-12	N.D	03:07:11	N.D	N.D	N.D	N.D	CPAS1
16-jul-12	N.D	03:07:11	N.D	N.D	N.D	N.D	CCUFI
16-jul-12	N.D	03:29:42	N.D	N.D	N.D	N.D	CPAS1
16-jul-12	N.D	03:29:42	N.D	N.D	N.D	N.D	CCUFI
16-jul-12	N.D	03:38:34	N.D	N.D	N.D	N.D	CPAS1
16-jul-12	N.D	03:38:34	N.D	N.D	N.D	N.D	CCUFI
16-jul-12	Agustín Codazzi (Cesar)	06:57:36	2.1	121.8	9.924	-73.224	CCODA
16-jul-12	Agustín Codazzi (Cesar)	06:57:36	2.1	121.8	9.924	-73.224	CVALL
17-jul-12	Sevilla (Valle)	14:14:06	2.9	4	4.222	-75.915	CYOTO
17-jul-12	Bosconia (Cesar)	19:34:50	2.8	38.8	10.107	-73.699	CCODA
17-jul-12	Bosconia (Cesar)	19:34:50	2.8	38.8	10.107	-73.699	CVALL
17-jul-12	Bosconia (Cesar)	19:34:50	2.8	38.8	10.107	-73.699	CURIB
17-jul-12	Bosconia (Cesar)	19:34:50	2.8	38.8	10.107	-73.699	CCUC3
18-jul-12	Los Santos (Santander)	17:23:09	4	152.7	6.786	-73.121	CCUC3
18-jul-12	Los Santos (Santander)	17:23:09	4	152.7	6.786	-73.121	CROSA
18-jul-12	Los Santos (Santander)	17:23:09	4	152.7	6.786	-73.121	CCODA
18-jul-12	Los Santos (Santander)	17:23:09	4	152.7	6.786	-73.121	CVALL

19-jul-12	Los Santos (Santander)	00:44:48	3.5	146	6.806	-73.152	CCUC3
19-jul-12	Los Santos (Santander)	00:44:48	3.5	146	6.806	-73.152	CROSA
19-jul-12	Los Santos (Santander)	00:44:48	3.5	146	6.806	-73.152	CCODA
19-jul-12	La Unión (Nariño)	04:07:16	2.5	145.6	1.681	-77.175	CTUM2
19-jul-12	El Dovio (Valle)	17:31:39	2.4	94	4.443	-76.343	CYOTO
20-jul-12	Acandí (Chocó)	01:24:42	3.5	22.6	8.274	-77.458	CBSOL
20-jul-12	Nuquí (Chocó)	17:10:13	3.3	41.5	5.461	-79.348	CBSOL
20-jul-12	Nuquí (Chocó)	17:10:13	3.3	41.5	5.461	-79.348	CYOTO
21-jul-12	Betania (Antioquia)	12:00:56	3.6	23.1	5.772	-76.037	CMAN1
21-jul-12	Betania (Antioquia)	12:00:56	3.6	23.1	5.772	-76.037	CBSOL
21-jul-12	Betania (Antioquia)	12:00:56	3.6	23.1	5.772	-76.037	CYOTO
21-jul-12	Betania (Antioquia)	12:00:56	3.6	23.1	5.772	-76.037	CROSA
21-jul-12	Los Santos (Santander)	12:34:56	3	143.7	6.809	-73.152	CCUC3
21-jul-12	Los Santos (Santander)	12:34:56	3	143.7	6.809	-73.152	CROSA
21-jul-12	Los Santos (Santander)	12:34:56	3	143.7	6.809	-73.152	CMON2
21-jul-12	Ricaurte (Nariño)	23:31:34	3	95.7	1.06	-78.62	CTUM2
21-jul-12	Ricaurte (Nariño)	23:31:34	3	95.7	1.06	-78.62	CCUFI
21-jul-12	Ricaurte (Nariño)	23:31:34	3	95.7	1.06	-78.62	CPAS2
22-jul-12	El Playón (Santander)	21:22:02	3.6	130	7.443	-73.185	CCUC3
22-jul-12	El Playón (Santander)	21:22:02	3.6	130	7.443	-73.185	CCODA
22-jul-12	El Playón (Santander)	21:22:02	3.6	130	7.443	-73.185	CMON2
22-jul-12	El Playón (Santander)	21:22:02	3.6	130	7.443	-73.185	CROSA
22-jul-12	El Playón (Santander)	21:22:02	3.6	130	7.443	-73.185	CVALL
23-jul-12	Bahía Solano (Chocó)	03:33:17	2.4	8	5.924	-77.529	CBSOL
23-jul-12	Fundación (Magdalena)	09:44:14	2.8	31.5	10.479	-74.031	CVALL
23-jul-12	Fundación (Magdalena)	09:44:14	2.8	31.5	10.479	-74.031	CCODA
23-jul-12	Fundación (Magdalena)	09:44:14	2.8	31.5	10.479	-74.031	CURIB
23-jul-12	Ubaté (Cundinamarca)	18:40:54	3	144.3	5.319	-73.772	CROSA
24-jul-12	Andalucía (Valle)	18:02:39	2.5	143.7	4.146	-76.151	CYOTO
24-jul-12	Maicao (Guajira)	18:53:32	3.1	0	11.227	-72.15	CURIB
24-jul-12	Maicao (Guajira)	18:53:32	3.1	0	11.227	-72.15	CVALL
24-jul-12	Maicao (Guajira)	18:53:32	3.1	0	11.227	-72.15	CCODA
24-jul-12	Tolú (Sucre)	21:48:03	2.5	28	9.477	-75.554	CMON2
25-jul-12	Colombia (Huila)	04:43:43	2.8	0	3.524	-74.595	CIBA1
25-jul-12	Colombia (Huila)	04:43:43	2.8	0	3.524	-74.595	CYOTO
25-jul-12	La Cumbre (Valle)	10:14:27	2.3	23.6	3.692	-76.511	CYOTO
26-jul-12	Los Santos (Santander)	05:06:36	3.2	140	6.81	-73.155	CCUC3
26-jul-12	Los Santos (Santander)	05:06:36	3.2	140	6.81	-73.155	CROSA
26-jul-12	Los Santos (Santander)	05:06:36	3.2	140	6.81	-73.155	CMON2
26-jul-12	Sipí (Chocó)	15:22:36	2.2	86.3	4.242	-76.737	CYOTO
27-jul-12	Calima (Valle)	03:16:47	2.2	27.5	4.095	-76.782	CYOTO
27-jul-12	Calima (Valle)	05:37:10	2.4	57.9	4.012	-76.596	CYOTO
27-jul-12	Restrepo (Valle)	05:40:36	2	61.5	3.92	-76.603	CYOTO
27-jul-12	Peque (Antioquia)	17:06:25	2.9	42.1	7.092	-76.051	CMON2
28-jul-12	Bolívar (Valle)	05:45:04	2.9	111.7	4.297	-76.285	CYOTO

28-jul-12	Calima (Valle)	21:57:59	2	42	4.004	-76.665	CYOTO
29-jul-12	Gorgona (O. Pacífico)	08:01:14	3.3	45.7	2.917	-77.899	CTUM2
29-jul-12	Gorgona (O. Pacífico)	08:01:14	3.3	45.7	2.917	-77.899	CPOP2
29-jul-12	Gorgona (O. Pacífico)	08:01:14	3.3	45.7	2.917	-77.899	CPOP5
29-jul-12	Gorgona (O. Pacífico)	08:01:14	3.3	45.7	2.917	-77.899	CPAS2
29-jul-12	Gorgona (O. Pacífico)	08:01:14	3.3	45.7	2.917	-77.899	CCUFI
29-jul-12	Curumani (Cesar)	08:48:52	2.1	101.5	9.131	-73.494	CCODA
29-jul-12	El Cairo (Valle)	09:23:44	2.2	98.6	4.841	-76.216	CYOTO
29-jul-12	Providencia (San Andres)	13:32:07	3.1	10	13.09	-81.346	CPROV
30-jul-12	Jamundí (Valle)	06:50:39	2.1	51.9	3.267	-76.526	CYOTO
31-jul-12	Obando (Valle)	01:26:39	4.2	16.5	4.553	-75.985	CIBA1
31-jul-12	Obando (Valle)	01:26:39	4.2	16.5	4.553	-75.985	CYOTO
31-jul-12	Obando (Valle)	01:26:39	4.2	16.5	4.553	-75.985	CMAN1
31-jul-12	Obando (Valle)	01:26:39	4.2	16.5	4.553	-75.985	CROSA
31-jul-12	Obando (Valle)	01:26:39	4.2	16.5	4.553	-75.985	CPOP5
31-jul-12	Obando (Valle)	01:26:39	4.2	16.5	4.553	-75.985	CBSOL
31-jul-12	Murindó (Antioquia)	23:44:41	3.8	4.1	7.074	-76.682	CBSOL
31-jul-12	Murindó (Antioquia)	23:44:41	3.8	4.1	7.074	-76.682	CMON2
31-jul-12	Murindó (Antioquia)	23:44:41	3.8	4.1	7.074	-76.682	CMAN1
31-jul-12	Murindó (Antioquia)	23:44:41	3.8	4.1	7.074	-76.682	CYOTO
31-jul-12	Murindó (Antioquia)	23:44:41	3.8	4.1	7.074	-76.682	CROSA
31-jul-12	Murindó (Antioquia)	23:44:41	3.8	4.1	7.074	-76.682	CCUC3
1-ago-12	Bahía Solano (Chocó)	02:10:43	2.1	17.8	6.149	-77.573	CBSOL
1-ago-12	Los Santos (Santander)	17:06:24	3.6	146.7	6.808	-73.143	CCUC3
1-ago-12	Los Santos (Santander)	17:06:24	3.6	146.7	6.808	-73.143	CROSA
1-ago-12	Los Santos (Santander)	17:06:24	3.6	146.7	6.808	-73.143	CCODA
2-ago-12	San Martín de Loba (Bolívar)	16:23:36	3.2	18	8.763	-74.083	CCODA
2-ago-12	San Martín de Loba (Bolívar)	16:23:36	3.2	18	8.763	-74.083	CMON2
2-ago-12	San Martín de Loba (Bolívar)	16:23:36	3.2	18	8.763	-74.083	CCUC3
3-ago-12	Buenaventura (Valle)	10:43:45	2.6	22	3.978	-76.907	CYOTO
3-ago-12	La Jagua De Ibirico (Cesar)	11:32:29	2	0	9.583	-73.352	CCODA
3-ago-12	Los Santos (Santander)	18:37:13	3.1	150.6	6.824	-73.145	CCUC3
3-ago-12	Los Santos (Santander)	18:37:13	3.1	150.6	6.824	-73.145	CROSA
3-ago-12	Los Santos (Santander)	18:37:13	3.1	150.6	6.824	-73.145	CMON2
3-ago-12	Uribe (Guajira)	21:39:24	3.1	27.3	11.886	-72.295	CURIB
5-ago-12	Argelia (Valle)	05:29:09	2	100	4.758	-76.165	CYOTO
5-ago-12	Juradó (Chocó)	06:47:49	2.3	10.8	7.316	-78.016	CBSOL
5-ago-12	La Jagua De Ibirico (Cesar)	11:25:09	2.3	0.1	9.702	-73.432	CCODA
5-ago-12	La Jagua De Ibirico (Cesar)	11:27:46	2.2	0	9.466	-73.484	CCODA
5-ago-12	Los Santos (Santander)	16:40:08	3.1	149.2	6.796	-73.14	CROSA
5-ago-12	Los Santos (Santander)	16:40:08	3.1	149.2	6.796	-73.14	CCODA
5-ago-12	El Banco (Magdalena)	21:45:26	2.1	18.7	8.982	-73.937	CCODA
6-ago-12	Los Santos (Santander)	00:04:19	3.6	140	6.76	-73.152	CCUC3
6-ago-12	Los Santos (Santander)	00:04:19	3.6	140	6.76	-73.152	CROSA
6-ago-12	Los Santos (Santander)	00:04:19	3.6	140	6.76	-73.152	CIBA1

6-ago-12	Los Santos (Santander)	00:04:19	3.6	140	6.76	-73.152	CMON2
6-ago-12	Los Santos (Santander)	00:04:19	3.6	140	6.76	-73.152	CCODA
6-ago-12	Bolivar (Valle)	08:12:36	2.1	62.7	4.362	-76.242	CYOTO
6-ago-12	Los Santos (Santander)	08:41:53	3.4	146	6.792	-73.167	CCUC3
6-ago-12	Los Santos (Santander)	08:41:53	3.4	146	6.792	-73.167	CROSA
6-ago-12	Los Santos (Santander)	08:41:53	3.4	146	6.792	-73.167	CIBA1
6-ago-12	Los Santos (Santander)	08:41:53	3.4	146	6.792	-73.167	CMON2
6-ago-12	Los Santos (Santander)	08:41:53	3.4	146	6.792	-73.167	CCODA
6-ago-12	Los Santos (Santander)	15:31:52	3.9	149.5	6.802	-73.141	CCUC3
6-ago-12	Los Santos (Santander)	15:31:52	3.9	149.5	6.802	-73.141	CROSA
6-ago-12	Los Santos (Santander)	15:31:52	3.9	149.5	6.802	-73.141	CMON2
6-ago-12	Los Santos (Santander)	15:31:52	3.9	149.5	6.802	-73.141	CCODA
6-ago-12	Riofrio (Valle)	22:27:57	2.3	123.4	4.137	-76.345	CYOTO
7-ago-12	Pailitas (Cesar)	01:07:41	2	102.6	8.929	-73.452	CCODA
7-ago-12	Pailitas (Cesar)	02:40:33	3.9	3.6	8.852	-73.539	CCODA
7-ago-12	Pailitas (Cesar)	02:40:33	3.9	3.6	8.852	-73.539	CCUC3
7-ago-12	Pailitas (Cesar)	02:40:33	3.9	3.6	8.852	-73.539	CMON2
7-ago-12	Pailitas (Cesar)	02:40:33	3.9	3.6	8.852	-73.539	CURIB
7-ago-12	La Jagua De Ibirico (Cesar)	11:24:26	2.2	0	9.468	-73.402	CCODA
7-ago-12	Tulua (Valle)	17:31:14	2.8	147.5	4.038	-76.168	CYOTO
8-ago-12	Riosucio (Chocó)	10:35:24	3.2	15.8	7.278	-76.866	CBSOL
8-ago-12	Riosucio (Chocó)	10:35:24	3.2	15.8	7.278	-76.866	CMON2
9-ago-12	Argelia (Valle)	04:08:26	2.5	99.4	4.748	-76.122	CYOTO
9-ago-12	Tumaco (Nariño)	07:38:03	2.7	100.3	2.146	-79.48	CTUM2
9-ago-12	Tame (Arauca)	12:01:00	4.2	11.3	6.522	-72.032	CCUC3
9-ago-12	Tame (Arauca)	12:01:00	4.2	11.3	6.522	-72.032	CROSA
9-ago-12	Tame (Arauca)	12:01:00	4.2	11.3	6.522	-72.032	CMON2
9-ago-12	Tame (Arauca)	12:01:00	4.2	11.3	6.522	-72.032	CCODA
9-ago-12	Tame (Arauca)	12:01:00	4.2	11.3	6.522	-72.032	CURIB
9-ago-12	Los Santos (Santander)	16:00:28		142.8	6.796	-73.172	CCUC3
9-ago-12	Los Santos (Santander)	16:00:28		142.8	6.796	-73.172	CMON2
10-ago-12	Toledo (N. de Sntander)	02:30:00	2.1	4	7.263	-72.293	CCUC3
10-ago-12	Buga (Valle)	02:43:09	3	154.1	3.867	-76.169	CYOTO
10-ago-12	El Paso (Cesar)	22:28:03	2.4	73	9.777	-73.835	CCODA
10-ago-12	Los Santos (Santander)	22:35:46	3.8	147.9	6.814	-73.151	CCUC3
10-ago-12	Los Santos (Santander)	22:35:46	3.8	147.9	6.814	-73.151	CROSA
10-ago-12	Los Santos (Santander)	22:35:46	3.8	147.9	6.814	-73.151	CMON2
10-ago-12	Los Santos (Santander)	22:35:46	3.8	147.9	6.814	-73.151	CCODA
11-ago-12	Quibdó (Chocó)	11:41:50	3.7	4	5.784	-76.854	CBSOL
11-ago-12	Quibdó (Chocó)	11:41:50	3.7	4	5.784	-76.854	CMAN1
11-ago-12	Quibdó (Chocó)	11:41:50	3.7	4	5.784	-76.854	CYOTO
11-ago-12	Buenaventura (Valle)	17:35:24	2.6	16.2	3.92	-76.9	CYOTO
12-ago-12	Francisco Pizarro (Nariño)	02:35:15	2.8	70	2.539	-79.547	CTUM2
12-ago-12	Francisco Pizarro (Nariño)	02:35:15	2.8	70	2.539	-79.547	CCUFI
12-ago-12	Bolivar (Valle)	07:40:28	2.7	116.1	4.388	-76.295	CYOTO

12-ago-12	Quibdó (Chocó)	21:01:35	2.7	32	5.721	-76.633	CYOTO
13-ago-12	Calima (Valle)	19:29:28	2.1	0	4.075	-76.761	CYOTO
14-ago-12	Los Santos (Santander)	08:06:53	3.6	145.3	6.812	-73.171	CIBA1
14-ago-12	Los Santos (Santander)	08:06:53	3.6	145.3	6.812	-73.171	CMON2
14-ago-12	Los Santos (Santander)	08:06:53	3.6	145.3	6.812	-73.171	CCODA
14-ago-12	Los Santos (Santander)	08:06:53	3.6	145.3	6.812	-73.171	CMAN1
15-ago-12	Curumani (Cesar)	12:17:58	2.1	121.3	9.007	-73.288	CCODA
15-ago-12	El Cairo (Valle)	22:21:40	2.2	0	4.771	-76.288	CYOTO
16-ago-12	Valledupar (Cesar)	01:44:18	4.5	94	10.695	-73.354	CCODA
16-ago-12	Valledupar (Cesar)	01:44:18	4.5	94	10.695	-73.354	CURIB
16-ago-12	Valledupar (Cesar)	01:44:18	4.5	94	10.695	-73.354	CMON2
16-ago-12	Valledupar (Cesar)	01:44:18	4.5	94	10.695	-73.354	CCUC3
16-ago-12	Valledupar (Cesar)	01:44:18	4.5	94	10.695	-73.354	CROSA
18-ago-12	Tumaco (Nariño)	08:33:23	2	14	0.938	-78.986	CTUM2
18-ago-12	Susa (Cundinamarca)	12:30:17	2.9	130.7	5.452	-73.823	CROSA
19-ago-12	El Cairo (Valle)	05:07:26	2.2	101.4	4.727	-76.209	CYOTO
20-ago-12	Los Santos (Santander)	13:00:31	4.1	146.8	6.809	-73.154	CCUC3
20-ago-12	Los Santos (Santander)	13:00:31	4.1	146.8	6.809	-73.154	CMON2
20-ago-12	Los Santos (Santander)	13:00:31	4.1	146.8	6.809	-73.154	CCODA
20-ago-12	Los Santos (Santander)	13:00:31	4.1	146.8	6.809	-73.154	CYOTO
20-ago-12	Rondon (Boyacá)	20:17:39	4.2	2.8	5.436	-73.241	CROSA
20-ago-12	Rondon (Boyacá)	20:17:39	4.2	2.8	5.436	-73.241	CIBA1
20-ago-12	Rondon (Boyacá)	20:17:39	4.2	2.8	5.436	-73.241	CMAN1
20-ago-12	Rondon (Boyacá)	20:17:39	4.2	2.8	5.436	-73.241	CYOTO
21-ago-12	N.D	09:06:21	N.D	N.D	N.D	N.D	CCODA
22-ago-12	Frontera con Venezuela	13:12:23	2.4	159	10.075	-72.665	CCODA
22-ago-12	Frontera con Venezuela	13:12:23	2.4	159	10.075	-72.665	CURIB
22-ago-12	Guarandá (Sucre)	15:46:52	3.9	7	8.291	-74.595	CMON2
22-ago-12	Guarandá (Sucre)	15:46:52	3.9	7	8.291	-74.595	CCODA
22-ago-12	Guarandá (Sucre)	15:46:52	3.9	7	8.291	-74.595	CCUC3
22-ago-12	Guarandá (Sucre)	15:46:52	3.9	7	8.291	-74.595	CURIB
22-ago-12	Bagadó (Chocó)	21:18:19	3.3	22	5.376	-76.474	CYOTO
23-ago-12	El Charco (Nariño)	11:46:46	2.6	72.3	2.579	-78.216	CTUM2
24-ago-12	Los Santos (Santander)	03:27:19	3.5	144	6.813	-73.155	CCUC3
24-ago-12	Los Santos (Santander)	03:27:19	3.5	144	6.813	-73.155	CROSA
24-ago-12	Los Santos (Santander)	03:27:19	3.5	144	6.813	-73.155	CCODA
24-ago-12	Quibdó (Chocó)	04:20:02	2.3	1.4	5.919	-76.868	CBSOL
25-ago-12	Sipí (Chocó)	06:22:11	2.2	15.6	4.549	-76.815	CYOTO
25-ago-12	Los Santos (Santander)	21:22:44	3.2	147.7	6.825	-73.147	CCUC3
25-ago-12	Los Santos (Santander)	21:22:44	3.2	147.7	6.825	-73.147	CROSA
25-ago-12	Los Santos (Santander)	21:22:44	3.2	147.7	6.825	-73.147	CMON2
25-ago-12	Los Santos (Santander)	21:40:14	3.2	146.3	6.819	-73.152	CCUC3
25-ago-12	Los Santos (Santander)	21:40:14	3.2	146.3	6.819	-73.152	CROSA
25-ago-12	Los Santos (Santander)	21:40:14	3.2	146.3	6.819	-73.152	CMON2
27-ago-12	Buga (Valle)	23:09:06	2.9	117.1	3.888	-76.256	CYOTO

28-ago-12	Los Santos (Santander)	22:04:03	4.4	144	6.808	-73.156	CCUC3
28-ago-12	Los Santos (Santander)	22:04:03	4.4	144	6.808	-73.156	CROSA
28-ago-12	Los Santos (Santander)	22:04:03	4.4	144	6.808	-73.156	CMON2
28-ago-12	Los Santos (Santander)	22:04:03	4.4	144	6.808	-73.156	CCODA
28-ago-12	Los Santos (Santander)	22:04:03	4.4	144	6.808	-73.156	CYOTO
28-ago-12	Los Santos (Santander)	22:04:03	4.4	144	6.808	-73.156	CURIB
29-ago-12	Bugalagrande (Valle)	03:11:38	2.4	138	4.226	-76.139	CYOTO
29-ago-12	N.D	05:07:30	N.D	N.D	N.D	N.D	CCUC3
29-ago-12	N.D	05:07:30	N.D	N.D	N.D	N.D	CCODA
29-ago-12	N.D	05:07:30	N.D	N.D	N.D	N.D	CURIB
29-ago-12	N.D	05:07:30	N.D	N.D	N.D	N.D	CMON2
29-ago-12	Trujillo (Valle)	05:20:56	3.1	124	4.265	-76.401	CYOTO
29-ago-12	Chachaguí (Nariño)	14:05:08	3.1	0.7	1.357	-77.274	CPAS2
29-ago-12	Chachaguí (Nariño)	14:05:08	3.1	0.7	1.357	-77.274	CPAS1
29-ago-12	Chachaguí (Nariño)	14:05:08	3.1	0.7	1.357	-77.274	CCUFI
29-ago-12	Timbiquí (Cauca)	16:29:16	3.1	81.9	2.87	-77.532	CYOTO
29-ago-12	Timbiquí (Cauca)	16:29:16	3.1	81.9	2.87	-77.532	CTUM2
29-ago-12	Timbiquí (Cauca)	16:29:16	3.1	81.9	2.87	-77.532	CPAS1
29-ago-12	Timbiquí (Cauca)	16:29:16	3.1	81.9	2.87	-77.532	CCUFI
29-ago-12	Cucunubá (Cundinamarca)	23:23:45	2.8	145.3	5.276	-73.742	CROSA
31-ago-12	Chaparral (Tolima)	07:11:15	2.5	4.1	3.77	-75.645	CYOTO
31-ago-12	Chaparral (Tolima)	09:44:33	3	0	3.779	-75.656	CIBA1
31-ago-12	Sevilla (Valle)	11:49:37	2.6	153.4	4.394	-75.951	CYOTO
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CCUC3
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CROSA
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CBOG1
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CIBA1
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CCODA
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CPOP2
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CPOP5
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CMON2
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CMAN1
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CYOTO
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CBSOL
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CURIB
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CPAS1
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CPAS2
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CCUFI
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CTUM2
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CPROV
1-sep-12	Los Santos (Santander)	05:09:46	5.4	152.8	6.801	-73.154	CCAQ2
1-sep-12	N.D	06:45:05	N.D	N.D	N.D	N.D	CPAS1
2-sep-12	Valledupar (Cesar)	02:57:01	2	61.2	10.767	-73.491	CCODA
2-sep-12	Agustín Codazzi (Cesar)	17:16:44	2.4	97.7	9.911	-73.333	CCODA
3-sep-12	Los Santos (Santander)	08:46:44	3.9	143.7	6.787	-73.146	CCUC3

3-sep-12	Los Santos (Santander)	08:46:44	3.9	143.7	6.787	-73.146	CIBA1
3-sep-12	Los Santos (Santander)	08:46:44	3.9	143.7	6.787	-73.146	CROSA
3-sep-12	Los Santos (Santander)	08:46:44	3.9	143.7	6.787	-73.146	CMON2
3-sep-12	Los Santos (Santander)	08:46:44	3.9	143.7	6.787	-73.146	CCODA
3-sep-12	Los Santos (Santander)	08:46:44	3.9	143.7	6.787	-73.146	CMAN1
4-sep-12	Agustín Codazzi (Cesar)	05:02:34	2.6	111.7	10.11	-73.353	CCODA
4-sep-12	Agustín Codazzi (Cesar)	05:02:34	2.6	111.7	10.11	-73.353	CURIB
4-sep-12	Ginebra (Valle)	07:02:15	2.1	25.6	3.727	-76.061	CYOTO
4-sep-12	Dagua (Valle)	11:57:59	2	0	3.83	-76.851	CYOTO
4-sep-12	Barbacoas (Nariño)	13:26:27	2.2	58	1.587	-78.078	CTUM2
4-sep-12	Frontera con Venezuela	15:40:28	2.9	0.6	10.342	-72.63	CURIB
4-sep-12	Bahía Solano (Chocó)	15:57:58	2.7	0	6.015	-77.683	CBSOL
4-sep-12	Santa Rosa Del Sur (Bolívar)	17:57:33	2.2	66	7.731	-74.242	CCODA
4-sep-12	Potosí (Nariño)	18:13:02	2.8	4	0.412	-77.383	CPAS1
4-sep-12	Potosí (Nariño)	18:13:02	2.8	4	0.412	-77.383	CPAS2
4-sep-12	Potosí (Nariño)	18:13:02	2.8	4	0.412	-77.383	CCUFI
5-sep-12	Condoto (Chocó)	05:21:00	2	63.8	5.079	-76.62	CYOTO
5-sep-12	Fortul (Arauca)	14:42:56	3.8	1.1	6.675	-71.81	CCUC3
5-sep-12	Costa Rica (USGS)	14:42:10	Mw: 7.6	40.80	10.12	-85.35	CPROV
5-sep-12	Costa Rica (USGS)	14:42:10	Mw: 7.6	40.80	10.12	-85.35	CCODA
5-sep-12	Costa Rica (USGS)	14:42:10	Mw: 7.6	40.80	10.12	-85.35	CURIB
5-sep-12	Costa Rica (USGS)	14:42:10	Mw: 7.6	40.80	10.12	-85.35	CROSA
6-sep-12	Agustín Codazzi (Cesar)	17:27:02	2.4	0	10.116	-73.3	CCODA
6-sep-12	San Juanito (Meta)	23:46:59	3.4	0	4.469	-73.748	CROSA
7-sep-12	Valle Guamuez (Putumayo)	00:45:52	2.8	0	0.212	-77.417	CPAS1
7-sep-12	Valle Guamuez (Putumayo)	00:45:52	2.8	0	0.212	-77.417	CPAS2
7-sep-12	Valle Guamuez (Putumayo)	00:45:52	2.8	0	0.212	-77.417	CCUFI
7-sep-12	Valle Guamuez (Putumayo)	00:45:52	2.8	0	0.212	-77.417	CFLOR
7-sep-12	Manaure Balcón de Cesar (Cesar)	07:35:37	2.6	2.7	10.387	-72.69	CCODA
7-sep-12	Manaure Balcón de Cesar (Cesar)	07:35:37	2.6	2.7	10.387	-72.69	CURIB
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CMON2
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CBSOL
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CIBA1
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CMAN1
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CCUC3
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CROSA
7-sep-12	Valdivia (Antioquia)	07:52:12	3.9	21.9	7.305	-75.278	CCODA
7-sep-12	Los Santos (Santander)	11:03:48	3.7	143.1	6.8	-73.142	CCUC3
7-sep-12	Los Santos (Santander)	11:03:48	3.7	143.1	6.8	-73.142	CROSA
7-sep-12	Los Santos (Santander)	11:03:48	3.7	143.1	6.8	-73.142	CMON2
7-sep-12	Gorgona (O. Pacífico)	19:01:06	3	18.9	3.499	-78.838	CYOTO
7-sep-12	Mar Caribe	22:50:42	3.3	40.2	12.907	-74.985	CURIB
7-sep-12	Mar Caribe	22:50:42	3.3	40.2	12.907	-74.985	CCODA
8-sep-12	El Paso (Cesar)	02:51:32	2	104.2	9.718	-73.559	CCODA
8-sep-12	Los Santos (Santander)	16:51:47	3.7	146.9	6.793	-73.141	CCUC3

8-sep-12	Los Santos (Santander)	16:51:47	3.7	146.9	6.793	-73.141	CROSA
8-sep-12	Los Santos (Santander)	16:51:47	3.7	146.9	6.793	-73.141	CMON2
8-sep-12	Los Santos (Santander)	16:51:47	3.7	146.9	6.793	-73.141	CCODA
8-sep-12	Pailitas (Cesar)	22:06:09	3.2	102	8.859	-73.573	CCODA
8-sep-12	Pailitas (Cesar)	22:06:09	3.2	102	8.859	-73.573	CCUC3
8-sep-12	Pailitas (Cesar)	22:06:09	3.2	102	8.859	-73.573	CMON2
9-sep-12	Rioblanco (Tolima)	02:06:41	3	4.1	3.668	-75.776	CYOTO
9-sep-12	Rioblanco (Tolima)	02:06:41	3	4.1	3.668	-75.776	CFLOR
9-sep-12	Océano Pacífico	07:21:18	2.6	4	2.783	-79.542	CTUM2
9-sep-12	Simití (Bolívar)	18:26:25	2.8	66	8.076	-73.881	CMON2
9-sep-12	Simití (Bolívar)	18:26:25	2.8	66	8.076	-73.881	CCODA
10-sep-12	El Molino (Guajira)	03:01:42	2.5	0.3	10.59	-72.849	CCODA
10-sep-12	El Molino (Guajira)	03:01:42	2.5	0.3	10.59	-72.849	CURIB
10-sep-12	Los Santos (Santander)	07:16:47	3.4	149.2	6.787	-73.142	CCUC3
10-sep-12	Los Santos (Santander)	07:16:47	3.4	149.2	6.787	-73.142	CROSA
10-sep-12	Los Santos (Santander)	07:16:47	3.4	149.2	6.787	-73.142	CCODA
10-sep-12	Los Santos (Santander)	07:16:47	3.4	149.2	6.787	-73.142	CMON2
10-sep-12	Los Santos (Santander)	14:43:02	4.1	149	6.786	-73.155	CCUC3
10-sep-12	Los Santos (Santander)	14:43:02	4.1	149	6.786	-73.155	CROSA
10-sep-12	Los Santos (Santander)	14:43:02	4.1	149	6.786	-73.155	CCODA
10-sep-12	Los Santos (Santander)	14:43:02	4.1	149	6.786	-73.155	CMON2
10-sep-12	Aguachica (Cesar)	18:26:53	3.4	108	8.246	-73.533	CCUC3
10-sep-12	Aguachica (Cesar)	18:26:53	3.4	108	8.246	-73.533	CCODA
11-sep-12	Cucunubá (Cundinamarca)	06:12:32	3.5	136.4	5.287	-73.748	CROSA
11-sep-12	Cucunubá (Cundinamarca)	06:12:32	3.5	136.4	5.287	-73.748	CMON2
12-sep-12	Acandí (Chocó)	05:23:16	4.1	32.1	9	-77.813	CMON2
12-sep-12	Acandí (Chocó)	05:23:16	4.1	32.1	9	-77.813	CBSOL
12-sep-12	Acandí (Chocó)	05:23:16	4.1	32.1	9	-77.813	CCODA
12-sep-12	Acandí (Chocó)	05:23:16	4.1	32.1	9	-77.813	CCUC3
12-sep-12	Acandí (Chocó)	05:23:16	4.1	32.1	9	-77.813	CURIB
13-sep-12	Mosquera (Nariño)	01:26:25	2.2	9.5	2.608	-79.115	CTUM2
13-sep-12	Tumaco (Nariño)	18:13:42	4.2	13.1	2.004	-79.182	CTUM2
13-sep-12	Tumaco (Nariño)	18:13:42	4.2	13.1	2.004	-79.182	CPAS1
13-sep-12	Tumaco (Nariño)	18:13:42	4.2	13.1	2.004	-79.182	CPAS2
13-sep-12	Tumaco (Nariño)	18:13:42	4.2	13.1	2.004	-79.182	CCUFI
13-sep-12	Tumaco (Nariño)	18:13:42	4.2	13.1	2.004	-79.182	CTUMA
13-sep-12	Pelaya (Cesar)	23:20:09	2.5	98	8.635	-73.525	CCODA
14-sep-12	Fundación (Magdalena)	01:05:56	3.2	16.3	10.489	-74.137	CCODA
14-sep-12	Fundación (Magdalena)	01:05:56	3.2	16.3	10.489	-74.137	CURIB
14-sep-12	Fundación (Magdalena)	01:05:56	3.2	16.3	10.489	-74.137	CCUC3
14-sep-12	Mosquera (Nariño)	06:13:56	2.3	9	2.836	-79.344	CTUM2
14-sep-12	Ginebra (Valle)	16:05:54	2.2	158	3.785	-76.034	CYOTO
15-sep-12	Tumaco (Nariño)	03:35:07	2.7	8.9	2.052	-79.17	CTUM2
16-sep-12	Maicao (Guajira)	10:44:11	2.7	67	11.345	-71.83	CURIB
16-sep-12	Maicao (Guajira)	10:44:11	2.7	67	11.345	-71.83	CCODA

16-sep-12	Los Santos (Santander)	12:11:06	3.1	146.4	6.785	-73.147	CCUC3
16-sep-12	Los Santos (Santander)	12:11:06	3.1	146.4	6.785	-73.147	CROSA
16-sep-12	Venadillo (Tolima)	19:11:34	2.4	8.9	4.737	-74.848	CROSA
16-sep-12	Santa Helena del Opón (Santander)	20:19:40	3.2	112.5	6.354	-73.603	CCUC3
16-sep-12	Santa Helena del Opón (Santander)	20:19:40	3.2	112.5	6.354	-73.603	CROSA
17-sep-12	Cubará (Boyacá)	01:51:35	3.2	4	7.111	-72.189	CCUC3
17-sep-12	San José del Palmar (Chocó)	08:11:51	2.2	97	4.895	-76.213	CYOTO
17-sep-12	Garzón (Huila)	15:52:45	2.6	18.4	2.13	-75.67	CFLOR
17-sep-12	El Dovio (Valle)	17:22:20	2.2	89.1	4.404	-76.404	CYOTO
18-sep-12	Uribia (Guajira)	01:10:59	3.2	56	11.698	-72.166	CURIB
18-sep-12	Uribia (Guajira)	01:10:59	3.2	56	11.698	-72.166	CCODA
18-sep-12	Los Santos (Santander)	06:57:28	3.6	144	6.793	-73.155	CCUC3
18-sep-12	Los Santos (Santander)	06:57:28	3.6	144	6.793	-73.155	CROSA
18-sep-12	Los Santos (Santander)	06:57:28	3.6	144	6.793	-73.155	CIBA1
18-sep-12	Los Santos (Santander)	06:57:28	3.6	144	6.793	-73.155	CMON2
18-sep-12	Los Santos (Santander)	06:57:28	3.6	144	6.793	-73.155	CMAN1
20-sep-12	N.D	16:20:17	N.D	N.D	N.D	N.D	CBSOL
21-sep-12	Venadillo (Tolima)	01:21:45	3	10.7	4.708	-74.843	CIBA1
21-sep-12	N.D	06:05:46	N.D	N.D	N.D	N.D	CPAS1
21-sep-12	N.D	06:05:46	N.D	N.D	N.D	N.D	CPAS2
21-sep-12	N.D	06:05:46	N.D	N.D	N.D	N.D	CCUFI
23-sep-12	Puerto Boyacá (Boyacá)	04:17:19	3.2	4	6.057	-74.388	CROSA
23-sep-12	Los Santos (Santander)	07:12:46	3.2	147.6	6.791	-73.131	CCUC3
23-sep-12	Los Santos (Santander)	07:12:46	3.2	147.6	6.791	-73.131	CROSA
23-sep-12	Los Santos (Santander)	07:12:46	3.2	147.6	6.791	-73.131	CCODA
23-sep-12	Los Santos (Santander)	07:12:46	3.2	147.6	6.791	-73.131	CMON2
23-sep-12	Bahía Solano (Chocó)	13:41:17	3.1	10.3	6.084	-77.825	CBSOL
24-sep-12	El Tablón (Nariño)	02:48:45	1.3	4	1.443	-77.138	CPAS2
24-sep-12	El Tablón (Nariño)	02:48:45	1.3	4	1.443	-77.138	CCUFI
24-sep-12	Buga (Valle)	08:22:53	2.7	124	3.938	-76.357	CYOTO
24-sep-12	Guaduas (Cundinamarca)	12:25:49	2.8	14	5.106	-74.648	CROSA
25-sep-12	Buenaventura (Valle)	05:34:40	2.2	53.1	3.962	-76.971	CYOTO
25-sep-12	Los Santos (Santander)	16:02:34	3.8	148.5	6.819	-73.147	CCUC3
25-sep-12	Los Santos (Santander)	16:02:34	3.8	148.5	6.819	-73.147	CROSA
25-sep-12	Los Santos (Santander)	16:02:34	3.8	148.5	6.819	-73.147	CCODA
25-sep-12	Los Santos (Santander)	16:02:34	3.8	148.5	6.819	-73.147	CMON2
26-sep-12	Quibdó (Chocó)	01:16:07	3.4	4	5.802	-76.858	CBSOL
26-sep-12	Los Santos (Santander)	02:22:25	4.1	147.6	6.828	-73.142	CCUC3
26-sep-12	Los Santos (Santander)	02:22:25	4.1	147.6	6.828	-73.142	CIBA1
26-sep-12	Los Santos (Santander)	02:22:25	4.1	147.6	6.828	-73.142	CROSA
26-sep-12	Los Santos (Santander)	02:22:25	4.1	147.6	6.828	-73.142	CCODA
26-sep-12	Los Santos (Santander)	02:22:25	4.1	147.6	6.828	-73.142	CMON2
26-sep-12	Santa Marta (Magdalena)	07:12:05	2.2	10.1	11.276	-73.854	CVALL
26-sep-12	Santa Marta (Magdalena)	07:12:05	2.2	10.1	11.276	-73.854	CCODA
26-sep-12	Santa Marta (Magdalena)	07:12:05	2.2	10.1	11.276	-73.854	CURIB

26-sep-12	Potosí (Nariño)	09:34:59	2.8	0	0.343	-77.442	CPAS2
26-sep-12	Potosí (Nariño)	09:34:59	2.8	0	0.343	-77.442	CCUFI
26-sep-12	Quetame (Cundinamarca)	14:16:53	3.4	1.1	4.394	-73.8	CROSA
26-sep-12	Quetame (Cundinamarca)	14:16:53	3.4	1.1	4.394	-73.8	CFLOR
27-sep-12	Suarez (Cauca)	21:43:08	3.5	124.6	2.738	-76.879	CPOP2
27-sep-12	Suarez (Cauca)	21:43:08	3.5	124.6	2.738	-76.879	CYOTO
27-sep-12	Suarez (Cauca)	21:43:08	3.5	124.6	2.738	-76.879	CPAS1
27-sep-12	Suarez (Cauca)	21:43:08	3.5	124.6	2.738	-76.879	CPAS2
27-sep-12	Suarez (Cauca)	21:43:08	3.5	124.6	2.738	-76.879	CCUFI
27-sep-12	Suarez (Cauca)	21:43:08	3.5	124.6	2.738	-76.879	CTUM2
28-sep-12	Los Santos (Santander)	07:56:11	3.2	138	6.776	-73.137	CCUC3
28-sep-12	Los Santos (Santander)	07:56:11	3.2	138	6.776	-73.137	CROSA
28-sep-12	Bahía Solano (Chocó)	08:05:38	3.2	7.2	6.357	-77.703	CBSOL
28-sep-12	Rivera (Huila)	11:28:36	2.5	6	2.718	-75.079	CFLOR
29-sep-12	Los Santos (Santander)	07:59:44	3.1	145.1	6.817	-73.138	CCUC3
29-sep-12	Los Santos (Santander)	07:59:44	3.1	145.1	6.817	-73.138	CMON2
29-sep-12	Acandí (Chocó)	16:57:23	3.9	63.2	9.073	-77.927	CMON2
29-sep-12	Acandí (Chocó)	16:57:23	3.9	63.2	9.073	-77.927	CVALL
29-sep-12	Acandí (Chocó)	16:57:23	3.9	63.2	9.073	-77.927	CCODA
29-sep-12	Restrepo (Valle)	18:56:34	2.3	62.8	3.766	-76.615	CYOTO
30-sep-12	Acandí (Chocó)	09:30:12	4.3	32.1	8.388	-77.092	CMON2
30-sep-12	Acandí (Chocó)	09:30:12	4.3	32.1	8.388	-77.092	CBSOL
30-sep-12	Acandí (Chocó)	09:30:12	4.3	32.1	8.388	-77.092	CCUC3
30-sep-12	Acandí (Chocó)	09:30:12	4.3	32.1	8.388	-77.092	CURIB
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CPOP2
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CFLOR
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CPAS2
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CCUFI
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CYOTO
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CTUMA
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CMAN1
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CROSA
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CBOG1
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CBSOL
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CMON2
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CCUC3
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CURIB
30-sep-12	La Vega (Cauca)	16:31:34	7.1	172	1.973	-76.558	CPROV
30-sep-12	Cubará (Boyacá)	16:48:52	2.8	4	7.249	-72.11	CCUC3
30-sep-12	La Vega (Cauca)	21:01:14	2.9	159.4	1.991	-76.548	CFLOR
30-sep-12	La Vega (Cauca)	21:01:14	2.9	159.4	1.991	-76.548	CYOTO
1-oct-12	Santa Rosa Del Sur (Bolívar)	01:04:15	3.8	22.9	8.127	-74.277	CMON2
1-oct-12	Santa Rosa Del Sur (Bolívar)	01:04:15	3.8	22.9	8.127	-74.277	CCODA
1-oct-12	Santa Rosa Del Sur (Bolívar)	01:04:15	3.8	22.9	8.127	-74.277	CCUC3
1-oct-12	Santa Rosa Del Sur (Bolívar)	01:04:15	3.8	22.9	8.127	-74.277	CURIB

1-oct-12	Acandí (Chocó)	08:14:27	2.6	32.2	8.397	-77.103	CMON2
1-oct-12	Funes (Nariño)	18:57:05	2.6	4	0.898	-77.285	CPAS1
1-oct-12	Funes (Nariño)	18:57:05	2.6	4	0.898	-77.285	CPAS2
1-oct-12	Funes (Nariño)	18:57:05	2.6	4	0.898	-77.285	CCUFI
1-oct-12	Funes (Nariño)	18:57:05	2.6	4	0.898	-77.285	CFLOR
2-oct-12	Barrancas (Guajira)	17:52:30	2.1	73.7	11.031	-72.699	CURIB
2-oct-12	Barrancas (Guajira)	17:52:30	2.1	73.7	11.031	-72.699	CVALL
2-oct-12	Barrancas (Guajira)	17:52:30	2.1	73.7	11.031	-72.699	CCODA
2-oct-12	Restrepo (Valle)	19:33:26	2	71.3	3.816	-76.642	CYOTO
3-oct-12	Acandí (Chocó)	17:58:04	3.9	27.3	8	-77.09	CMON2
4-oct-12	Valledupar (Cesar)	12:07:46	3	8.3	10.534	-73.334	CVALL
4-oct-12	Valledupar (Cesar)	12:07:46	3	8.3	10.534	-73.334	CURIB
4-oct-12	El Cairo (Valle)	20:37:35	2	101.6	4.782	-76.2	CYOTO
5-oct-12	Dagua (Valle)	10:09:40	2.1	92	3.466	-76.956	CYOTO
5-oct-12	El Charco (Nariño)	22:44:03	3.3	74.2	2.402	-78.154	CPAS1
5-oct-12	El Charco (Nariño)	22:44:03	3.3	74.2	2.402	-78.154	CPAS2
5-oct-12	El Charco (Nariño)	22:44:03	3.3	74.2	2.402	-78.154	CCUFI
5-oct-12	El Charco (Nariño)	22:44:03	3.3	74.2	2.402	-78.154	CYOTO
5-oct-12	Santa Marta (Magdalena)	23:53:23	2.5	1.6	11.164	-73.546	CVALL
5-oct-12	Santa Marta (Magdalena)	23:53:23	2.5	1.6	11.164	-73.546	CURIB
6-oct-12	Venadillo (Tolima)	05:50:13	3	15.3	4.695	-74.877	CIBA1
6-oct-12	Venadillo (Tolima)	05:50:13	3	15.3	4.695	-74.877	CROSA
6-oct-12	Venadillo (Tolima)	05:50:13	3	15.3	4.695	-74.877	CMAN1
6-oct-12	Venadillo (Tolima)	05:50:13	3	15.3	4.695	-74.877	CYOTO
6-oct-12	Mar Caribe	15:38:00	3.2	4	11.523	-73.411	CVALL
6-oct-12	Mar Caribe	15:38:00	3.2	4	11.523	-73.411	CURIB
6-oct-12	Riohacha (Guajira)	18:29:59	3.1	94	11.355	-72.739	CVALL
6-oct-12	Riohacha (Guajira)	18:29:59	3.1	94	11.355	-72.739	CURIB
6-oct-12	El Rosario (Nariño)	22:38:06	2.2	1.2	1.782	-77.318	CPAS1
6-oct-12	El Rosario (Nariño)	22:38:06	2.2	1.2	1.782	-77.318	CPAS2
6-oct-12	El Rosario (Nariño)	22:38:06	2.2	1.2	1.782	-77.318	CCUFI
7-oct-12	El Cairo (Valle)	00:07:36	3.8	106.7	4.784	-76.313	CIBA1
7-oct-12	El Cairo (Valle)	00:07:36	3.8	106.7	4.784	-76.313	CYOTO
7-oct-12	El Cairo (Valle)	00:07:36	3.8	106.7	4.784	-76.313	CMAN1
7-oct-12	El Cairo (Valle)	00:07:36	3.8	106.7	4.784	-76.313	CFLOR
7-oct-12	El Cairo (Valle)	00:07:36	3.8	106.7	4.784	-76.313	CCUFI
7-oct-12	O. Pacífico	08:47:05	2.6	0	6.34	-77.611	CBSOL
7-oct-12	San Pedro de Urabá (Antioquia)	10:04:26	3.1	32	8.31	-76.531	CMON2
9-oct-12	San Marcos (Sucre)	05:45:40	2.1	0	8.517	-75.046	CMON2
9-oct-12	Los Santos (Santander)	14:42:43	3.6	149.5	6.805	-73.137	CCUC3
9-oct-12	Los Santos (Santander)	14:42:43	3.6	149.5	6.805	-73.137	CMON2
11-oct-12	Agustín Codazzi (Cesar)	04:23:47	2.8	98.9	10.149	-73.497	CVALL
11-oct-12	Agustín Codazzi (Cesar)	04:23:47	2.8	98.9	10.149	-73.497	CURIB
11-oct-12	Los Santos (Santander)	05:16:59	3.2	147	6.791	-73.146	CCUC3
11-oct-12	Los Santos (Santander)	05:16:59	3.2	147	6.791	-73.146	CROSA

11-oct-12	Los Santos (Santander)	05:16:59	3.2	147	6.791	-73.146	CMON2
11-oct-12	Trujillo (Valle)	09:42:50	2.3	104.7	4.39	-76.436	CYOTO
11-oct-12	Cartagena del Chairá (Caquetá)	10:17:21	2.3	4	1.605	-74.481	CFLOR
11-oct-12	Lenguezaque (Cundinamarca)	18:40:36	3.3	146.9	5.335	-73.765	CROSA
11-oct-12	Pauna (Boyacá)	22:57:02	3.4	111.4	5.62	-73.994	CROSA
11-oct-12	Pauna (Boyacá)	22:57:02	3.4	111.4	5.62	-73.994	CMON2
13-oct-12	Lloró (Chocó)	07:03:11	2.4	23.7	5.546	-76.535	CBSOL
13-oct-12	San Antonio (Tolima)	12:22:11	2.8	2.3	3.875	-75.52	CIBA1
13-oct-12	San Antonio (Tolima)	12:22:11	2.8	2.3	3.875	-75.52	CYOTO
13-oct-12	San Antonio (Tolima)	12:22:11	2.8	2.3	3.875	-75.52	CFLOR
13-oct-12	San Antonio (Tolima)	12:22:11	2.8	2.3	3.875	-75.52	CROSA
14-oct-12	Volcán Cerro Machín	16:55:02	2.4	12.8	4.431	-75.379	CIBA1
15-oct-12	Restrepo (Valle)	11:10:06	2	4	3.955	-76.755	CYOTO
16-oct-12	San Juanito (Meta)	02:04:22	2.5	0	4.438	-73.732	CROSA
16-oct-12	San Juanito (Meta)	02:04:22	2.5	0	4.438	-73.732	CIBA1
17-oct-12	Piedecuesta (Santander)	07:07:36	3.1	166.4	6.973	-73.013	CCUC3
17-oct-12	Piedecuesta (Santander)	07:07:36	3.1	166.4	6.973	-73.013	CMON2
17-oct-12	Saravena (Arauca)	08:34:53	2.7	0	7.13	-71.899	CCUC3
17-oct-12	Tulua (Valle)	13:43:37	2.5	158	4.015	-76.06	CYOTO
18-oct-12	Los Santos (Santander)	23:38:38	3.2	141.6	6.799	-73.131	CCUC3
19-oct-12	Los Santos (Santander)	23:28:17	3.5	148	6.812	-73.158	CCUC3
19-oct-12	Los Santos (Santander)	23:28:17	3.5	148	6.812	-73.158	CROSA
19-oct-12	Los Santos (Santander)	23:28:17	3.5	148	6.812	-73.158	CMON2
19-oct-12	Los Santos (Santander)	23:28:17	3.5	148	6.812	-73.158	CSTM1
20-oct-12	Santa Marta (Magdalena)	03:42:01	3.9	27.9	11.223	-74.081	CSTM1
20-oct-12	Santa Marta (Magdalena)	03:42:01	3.9	27.9	11.223	-74.081	CMON2
20-oct-12	Santa Marta (Magdalena)	03:42:01	3.9	27.9	11.223	-74.081	CCUC3
20-oct-12	Los Santos (Santander)	09:37:12	3.6	147.8	6.802	-73.149	CCUC3
20-oct-12	Los Santos (Santander)	09:37:12	3.6	147.8	6.802	-73.149	CROSA
20-oct-12	Los Santos (Santander)	09:37:12	3.6	147.8	6.802	-73.149	CMON2
20-oct-12	Los Santos (Santander)	09:37:12	3.6	147.8	6.802	-73.149	CIBA1
20-oct-12	Los Santos (Santander)	09:37:12	3.6	147.8	6.802	-73.149	CMAN1
20-oct-12	Los Santos (Santander)	09:37:12	3.6	147.8	6.802	-73.149	CSTM1
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CTUMA
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CPAS1
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CPAS2
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CCUFI
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CPOP2
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CPOP5
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CYOTO
20-oct-12	Mosquera (Nariño)	10:56:43	4.2	14	2.684	-79.625	CFLOR
20-oct-12	López (Cauca)	16:48:30	3.4	0.5	3.335	-77.508	CYOTO
20-oct-12	López (Cauca)	16:48:30	3.4	0.5	3.335	-77.508	CPAS1
20-oct-12	López (Cauca)	16:48:30	3.4	0.5	3.335	-77.508	CCUFI
20-oct-12	López (Cauca)	16:48:30	3.4	0.5	3.335	-77.508	CPOP2

20-oct-12	López (Cauca)	16:48:30	3.4	0.5	3.335	-77.508	CFLOR
21-oct-12	Gigante (Huila)	07:59:00	2.4	4	2.369	-75.431	CFLOR
21-oct-12	El Espino (Boyacá)	21:09:19	3.3	4.2	6.494	-72.497	CCUC3
21-oct-12	El Espino (Boyacá)	21:09:19	3.3	4.2	6.494	-72.497	CROSA
21-oct-12	Obando (Valle)	23:33:46	3.8	140.1	4.49	-75.971	CYOTO
21-oct-12	Obando (Valle)	23:33:46	3.8	140.1	4.49	-75.971	CMAN1
21-oct-12	Obando (Valle)	23:33:46	3.8	140.1	4.49	-75.971	CPAS1
21-oct-12	Obando (Valle)	23:33:46	3.8	140.1	4.49	-75.971	CPAS2
21-oct-12	Obando (Valle)	23:33:46	3.8	140.1	4.49	-75.971	CCUFI
22-oct-12	Los Santos (Santander)	23:41:20	3.8	150.9	6.8	-73.144	CCUC3
22-oct-12	Los Santos (Santander)	23:41:20	3.8	150.9	6.8	-73.144	CROSA
22-oct-12	Los Santos (Santander)	23:41:20	3.8	150.9	6.8	-73.144	CMON2
22-oct-12	Los Santos (Santander)	23:41:20	3.8	150.9	6.8	-73.144	CSTM1
22-oct-12	Los Santos (Santander)	23:41:20	3.8	150.9	6.8	-73.144	CURIB
23-oct-12	Condoto (Chocó)	00:32:23	2.3	62.6	5.042	-76.663	CYOTO
23-oct-12	Córdoba (Quindío)	01:33:27	2.5	7.8	4.416	-75.688	CYOTO
23-oct-12	Córdoba (Quindío)	01:41:24	2.6	19.5	4.414	-75.71	CYOTO
23-oct-12	La Uribe (Meta)	07:45:17	3.1	4	3.35	-74.324	CIBA1
23-oct-12	La Uribe (Meta)	07:45:17	3.1	4	3.35	-74.324	CYOTO
23-oct-12	La Uribe (Meta)	07:45:17	3.1	4	3.35	-74.324	CFLOR
23-oct-12	Murindó (Antioquia)	09:43:31	3.2	15.6	6.91	-76.649	CBSOL
23-oct-12	Murindó (Antioquia)	09:43:31	3.2	15.6	6.91	-76.649	CYOTO
23-oct-12	Cocorná (Antioquia)	22:53:23	3.1	12.9	5.944	-75.119	CROSA
24-oct-12	Los Santos (Santander)	10:20:09	4.2	148	6.8	-73.145	CCUC3
24-oct-12	Los Santos (Santander)	10:20:09	4.2	148	6.8	-73.145	CROSA
24-oct-12	Los Santos (Santander)	10:20:09	4.2	148	6.8	-73.145	CIBA1
24-oct-12	Los Santos (Santander)	10:20:09	4.2	148	6.8	-73.145	CMAN1
24-oct-12	Los Santos (Santander)	10:20:09	4.2	148	6.8	-73.145	CSTM1
26-oct-12	Los Santos (Santander)	08:28:16	3.7	150.4	6.806	-73.126	CCUC3
26-oct-12	Los Santos (Santander)	08:28:16	3.7	150.4	6.806	-73.126	CROSA
26-oct-12	Los Santos (Santander)	08:28:16	3.7	150.4	6.806	-73.126	CIBA1
26-oct-12	Los Santos (Santander)	08:28:16	3.7	150.4	6.806	-73.126	CMON2
26-oct-12	Los Santos (Santander)	08:28:16	3.7	150.4	6.806	-73.126	CMAN1
26-oct-12	Los Santos (Santander)	08:28:16	3.7	150.4	6.806	-73.126	CSTM1
27-oct-12	Juradó (Chocó)	01:17:37	3.1	27	7.022	-77.735	CBSOL
27-oct-12	Maicao (Guajira)	09:11:54	2.6	70	11.307	-72.57	CURIB
27-oct-12	Los Santos (Santander)	16:29:36	3	143.9	6.752	-73.132	CCUC3
28-oct-12	Los Santos (Santander)	08:28:53	3	144	6.828	-73.128	CCUC3
28-oct-12	Mutatá (Antioquia)	08:41:24	3.4	5.1	7.401	-76.204	CMON2
28-oct-12	Mutatá (Antioquia)	08:41:24	3.4	5.1	7.401	-76.204	CCUC3
28-oct-12	Génova (Quindío)	11:50:15	2.8	171	4.2	-75.859	CYOTO
28-oct-12	Juradó (Chocó)	20:42:46	2.1	15.7	7.029	-77.948	CBSOL
29-oct-12	Francisco Pizarro (Nariño)	10:51:29	3.4	40.2	2.643	-79.912	CPAS1
29-oct-12	Francisco Pizarro (Nariño)	10:51:29	3.4	40.2	2.643	-79.912	CCUFI
29-oct-12	Anorí (Antioquia)	11:13:52	2.5	10.7	7.286	-75.023	CMON2

30-oct-12	Los Santos (Santander)	12:18:21	4.5	144	6.828	-73.13	CCUC3
30-oct-12	Los Santos (Santander)	12:18:21	4.5	144	6.828	-73.13	CMON2
30-oct-12	Los Santos (Santander)	12:18:21	4.5	144	6.828	-73.13	CIBA1
30-oct-12	Los Santos (Santander)	12:18:21	4.5	144	6.828	-73.13	CYOTO
30-oct-12	Los Santos (Santander)	12:18:21	4.5	144	6.828	-73.13	CURIB
30-dic-12	Los Santos (Santander)	12:29:25	3.8	146.1	6.826	-73.144	CCUC3
30-dic-12	Los Santos (Santander)	12:29:25	3.8	146.1	6.826	-73.144	CMON2
31-oct-12	Los Santos (Santander)	02:57:39	4.1	148.7	6.82	-73.137	CCUC3
31-oct-12	Los Santos (Santander)	02:57:39	4.1	148.7	6.82	-73.137	CMON2
31-oct-12	Los Santos (Santander)	15:39:36	3.8	145.7	6.855	-73.129	CCUC3
31-oct-12	Los Santos (Santander)	15:39:36	3.8	145.7	6.855	-73.129	CMON2
31-oct-12	Los Santos (Santander)	15:39:36	3.8	145.7	6.855	-73.129	CURIB
31-oct-12	Barayá (Huila)	17:09:22	2.4	0	3.004	-74.789	CFLOR
1-nov-12	Patía (El Bordo, Cauca)	13:05:39	2.4	140	1.979	-76.981	CYOTO
3-nov-12	Ciénaga (Magdalena)	00:16:08	2	0	11.013	-74.104	CSTM1
3-nov-12	Ciénaga (Magdalena)	00:16:08	2	0	11.013	-74.104	CVALL
3-nov-12	Ciénaga (Magdalena)	00:16:08	2	0	11.013	-74.104	CCODA
3-nov-12	Ciénaga (Magdalena)	00:16:08	2	0	11.013	-74.104	CURIB
3-nov-12	Los Santos (Santander)	02:32:14	3	147.9	6.808	-73.116	CCUC3
3-nov-12	Los Santos (Santander)	02:32:14	3	147.9	6.808	-73.116	CMON2
4-nov-12	Quipile (Cundinamarca)	17:34:23	3.4	10.8	4.703	-74.615	CIBA1
4-nov-12	Quipile (Cundinamarca)	17:34:23	3.4	10.8	4.703	-74.615	CYOTO
4-nov-12	El Tarra (N. de Santander)	19:38:31	2.5	152	8.932	-73.033	CVALL
4-nov-12	El Tarra (N. de Santander)	19:38:31	2.5	152	8.932	-73.033	CCODA
4-nov-12	El Tarra (N. de Santander)	19:38:31	2.5	152	8.932	-73.033	CCUC3
5-nov-12	El Tarra (N. de Santander)	02:30:11	4.3	130.7	8.721	-73.131	CVALL
5-nov-12	El Tarra (N. de Santander)	02:30:11	4.3	130.7	8.721	-73.131	CCODA
5-nov-12	El Tarra (N. de Santander)	02:30:11	4.3	130.7	8.721	-73.131	CCUC3
5-nov-12	El Tarra (N. de Santander)	02:30:11	4.3	130.7	8.721	-73.131	CSTM1
5-nov-12	Cubará (Boyacá)	06:55:32	2.5	4	7.206	-72.242	CCUC3
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CVALL
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CCODA
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CMON2
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CMAN1
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CIBA1
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CYOTO
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CSTM1
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CBSOL
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CURIB
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CFLOR
5-nov-12	Los Santos (Santander)	16:46:01	4.8	145.4	6.821	-73.139	CCUFI
5-nov-12	San Pedro de Urabá (Antioquia)	21:36:51	3.5	32.1	8.326	-76.556	CMON2
6-nov-12	El Carmen (N. de Santander)	01:00:46	3	103.8	8.64	-73.497	CVALL
6-nov-12	El Carmen (N. de Santander)	01:00:46	3	103.8	8.64	-73.497	CCODA
6-nov-12	El Carmen (N. de Santander)	01:00:46	3	103.8	8.64	-73.497	CURIB

6-nov-12	Juradó (Chocó)	07:23:56	3.4	20.9	6.978	-77.574	CBSOL
6-nov-12	Juradó (Chocó)	07:23:56	3.4	20.9	6.978	-77.574	CMAN1
6-nov-12	Los Santos (Santander)	13:21:21	3.1	151	6.809	-73.09	CVALL
6-nov-12	Los Santos (Santander)	13:21:21	3.1	151	6.809	-73.09	CCUC3
6-nov-12	Los Santos (Santander)	13:21:21	3.1	151	6.809	-73.09	CMON2
7-nov-12	Tumaco (Nariño)	01:59:25	3.6	38	1.308	-78.799	CCUFI
7-nov-12	Tumaco (Nariño)	01:59:25	3.6	38	1.308	-78.799	CPAS2
7-nov-12	Tumaco (Nariño)	01:59:25	3.6	38	1.308	-78.799	CYOTO
7-nov-12	Ciénaga (Magdalena)	06:10:18	2.9	3.8	11.098	-74.107	CVALL
7-nov-12	Ciénaga (Magdalena)	06:10:18	2.9	3.8	11.098	-74.107	CSTM1
7-nov-12	Ciénaga (Magdalena)	06:10:18	2.9	3.8	11.098	-74.107	CCODA
7-nov-12	La Celia (Risaralda)	16:28:50	2.3	105	5.041	-76.022	CYOTO
7-nov-12	Rio Viejo (Bolívar)	21:17:38	2.4	87.7	8.542	-73.696	CCODA
7-nov-12	Bajo San Juan (Chocó)	23:21:59	3	48	3.931	-78.06	CYOTO
7-nov-12	Bajo San Juan (Chocó)	23:27:00	2.9	61.7	3.96	-78.106	CYOTO
8-nov-12	Los Santos (Santander)	02:03:49	3.3	140.7	6.818	-73.163	CCUC3
8-nov-12	Los Santos (Santander)	02:03:49	3.3	140.7	6.818	-73.163	CMON2
8-nov-12	Mutatá (Antioquia)	10:47:54	2.9	4	7.335	-76.236	CMON2
8-nov-12	Candelaria (Valle)	16:12:12	2.1	34.4	3.395	-76.365	CYOTO
8-nov-12	Los Santos (Santander)	16:32:43	3.1	147	6.782	-73.143	CCUC3
8-nov-12	Los Santos (Santander)	16:32:43	3.1	147	6.782	-73.143	CMON2
8-nov-12	Lourdes (N. de Santander)	19:29:55	2.9	4.1	7.99	-72.818	CCUC3
9-nov-12	La Jagua De Ibirico (Cesar)	06:35:43	2.6	0.5	9.484	-73.043	CCUC3
9-nov-12	Lejanías (Meta)	10:06:59	2.8	4.1	3.684	-74.15	CYOTO
9-nov-12	Lejanías (Meta)	10:06:59	2.8	4.1	3.684	-74.15	CFLOR
9-nov-12	Gorgona (O. Pacífico)	17:50:27	3.1	10.5	3.417	-78.949	CCODA
9-nov-12	Gorgona (O. Pacífico)	17:50:27	3.1	10.5	3.417	-78.949	CYOTO
10-nov-12	Barayá (Huila)	18:31:07	3	4.1	2.954	-74.837	CFLOR
10-nov-12	Barayá (Huila)	18:31:07	3	4.1	2.954	-74.837	CYOTO
10-nov-12	Mompos (Bolívar)	23:13:47	2.6	24.8	9.379	-74.421	CCODA
10-nov-12	Mompos (Bolívar)	23:13:47	2.6	24.8	9.379	-74.421	CVALL
11-nov-12	Agustín Codazzi (Cesar)	15:01:49	2.2	111.9	9.936	-73.413	CCODA
11-nov-12	Agustín Codazzi (Cesar)	15:01:49	2.2	111.9	9.936	-73.413	CSTM1
11-nov-12	Agustín Codazzi (Cesar)	15:01:49	2.2	111.9	9.936	-73.413	CURIB
11-nov-12	Montelíbano (Córdoba)	16:47:16	2.6	11.8	7.96	-75.547	CMON2
11-nov-12	Roldanillo (Valle)	18:17:53	2.2	105.2	4.431	-76.241	CYOTO
12-nov-12	Sipí (Chocó)	00:06:12	3.5	4.1	4.58	-76.786	CYOTO
12-nov-12	Sipí (Chocó)	00:06:12	3.5	4.1	4.58	-76.786	CMAN1
12-nov-12	Sipí (Chocó)	00:06:12	3.5	4.1	4.58	-76.786	CIBA1
12-nov-12	Sipí (Chocó)	00:06:12	3.5	4.1	4.58	-76.786	RAC02
12-nov-12	Sipí (Chocó)	00:06:12	3.5	4.1	4.58	-76.786	CFLOR
12-nov-12	Sipí (Chocó)	00:06:12	3.5	4.1	4.58	-76.786	CCUFI
12-nov-12	Los Santos (Santander)	04:06:55	3.1	147.4	6.81	-73.152	CCUC3
12-nov-12	Los Santos (Santander)	04:06:55	3.1	147.4	6.81	-73.152	CMON2
12-nov-12	Sipí (Chocó)	07:10:27	2	7.6	4.602	-76.563	CYOTO

12-nov-12	Bahía Solano (Chocó)	14:07:52	3	10.9	6.271	-77.569	CBSOL
12-nov-12	Chivolo (Magdalena)	21:08:15	2.1	30.3	9.896	-74.666	CSTM1
12-nov-12	Riohacha (Guajira)	22:54:05	2.1	128	11.606	-72.694	CURIB
13-nov-12	Juradó (Chocó)	06:08:48	2.8	11.3	7.38	-77.937	CBSOL
14-nov-12	San Pedro (Valle)	21:09:04	2.1	121.3	4.034	-76.36	CYOTO
15-nov-12	Pailitas (Cesar)	18:22:03	2.7	14.1	9.098	-73.649	CCODA
15-nov-12	Pailitas (Cesar)	18:22:03	2.7	14.1	9.098	-73.649	CVALL
15-nov-12	Malpelo (O. Pacifico)	19:10:25	3.8	40.6	5.498	-79.814	CBSOL
15-nov-12	Malpelo (O. Pacifico)	19:10:25	3.8	40.6	5.498	-79.814	CYOTO
15-nov-12	Malpelo (O. Pacifico)	19:10:25	3.8	40.6	5.498	-79.814	CCUFI
16-nov-12	Bajo San Juan (Chocó)	08:45:25	2.7	27.2	4.381	-77.734	CYOTO
16-nov-12	Bahía Solano (Chocó)	10:06:27	2.5	23.2	6.196	-78.014	CBSOL
17-nov-12	Los Santos (Santander)	04:29:28	3.6	148	6.815	-73.148	CCUC3
17-nov-12	Los Santos (Santander)	04:29:28	3.6	148	6.815	-73.148	CMON2
17-nov-12	Los Santos (Santander)	04:29:28	3.6	148	6.815	-73.148	CCODA
17-nov-12	Los Santos (Santander)	04:29:28	3.6	148	6.815	-73.148	CVALL
17-nov-12	Los Santos (Santander)	10:18:56	3.4	152	6.855	-73.127	CCUC3
17-nov-12	Simacota (Santander)	10:44:33	3.1	122.5	6.441	-73.46	CMON2
17-nov-12	Fúquene (Cundinamarca)	10:48:36	3.3	137.4	5.419	-73.785	CMON2
17-nov-12	Fúquene (Cundinamarca)	10:48:36	3.3	137.4	5.419	-73.785	CVALL
18-nov-12	La Jagua De Ibirico (Cesar)	03:21:29	3.2	112.5	9.409	-73.348	CCODA
18-nov-12	La Jagua De Ibirico (Cesar)	03:21:29	3.2	112.5	9.409	-73.348	CCUC3
18-nov-12	La Jagua De Ibirico (Cesar)	03:21:29	3.2	112.5	9.409	-73.348	CSTM1
18-nov-12	La Jagua De Ibirico (Cesar)	03:21:29	3.2	112.5	9.409	-73.348	CMON2
18-nov-12	La Jagua De Ibirico (Cesar)	03:21:29	3.2	112.5	9.409	-73.348	CVALL
18-nov-12	La Jagua De Ibirico (Cesar)	03:21:29	3.2	112.5	9.409	-73.348	CURIB
18-nov-12	Becerril (Cesar)	06:29:55	2.7	1.2	9.756	-73.198	CCODA
18-nov-12	Becerril (Cesar)	06:29:55	2.7	1.2	9.756	-73.198	CVALL
18-nov-12	Becerril (Cesar)	06:29:55	2.7	1.2	9.756	-73.198	CSTM1
18-nov-12	Becerril (Cesar)	06:29:55	2.7	1.2	9.756	-73.198	CCUC3
18-nov-12	Becerril (Cesar)	06:29:55	2.7	1.2	9.756	-73.198	CURIB
18-nov-12	La Jagua De Ibirico (Cesar)	15:06:47	2.3	0.7	9.539	-73.462	CCODA
18-nov-12	La Jagua De Ibirico (Cesar)	15:06:47	2.3	0.7	9.539	-73.462	CVALL
19-nov-12	Paipa (Boyacá)	04:13:53	2.8	4.1	5.816	-73.083	CROSA
19-nov-12	Paipa (Boyacá)	04:13:53	2.8	4.1	5.816	-73.083	CCUC3
19-nov-12	Quibdó (Chocó)	06:03:43	2.8	4.1	5.772	-76.866	CBSOL
19-nov-12	Bajo San Juan (Chocó)	21:55:50	2.6	32	3.985	-78.243	CYOTO
20-nov-12	Acandí (Chocó)	04:06:28	3.4	88	9.008	-77.363	CMON2
20-nov-12	Buenavista (Sucre)	09:27:42	2.6	32	9.423	-74.951	CCODA
20-nov-12	Buenavista (Sucre)	09:27:42	2.6	32	9.423	-74.951	CVALL
20-nov-12	La Jagua De Ibirico (Cesar)	13:23:16	2.7	4.1	9.444	-73.469	CCODA
20-nov-12	La Jagua De Ibirico (Cesar)	13:23:16	2.7	4.1	9.444	-73.469	CCUC3
20-nov-12	La Jagua De Ibirico (Cesar)	13:23:16	2.7	4.1	9.444	-73.469	CVALL
20-nov-12	La Jagua De Ibirico (Cesar)	13:23:16	2.7	4.1	9.444	-73.469	CURIB
20-nov-12	Los Santos (Santander)	20:41:13	3.2	140.1	6.815	-73.158	CROSA

20-nov-12	Los Santos (Santander)	20:41:13	3.2	140.1	6.815	-73.158	CMON2
21-nov-12	Agustín Codazzi (Cesar)	03:15:52	2	124.3	9.924	-73.238	CCODA
21-nov-12	Agustín Codazzi (Cesar)	03:15:52	2	124.3	9.924	-73.238	CVALL
21-nov-12	Santa María (Huila)	13:01:05	2.8	5	3.05	-75.757	CYOTO
21-nov-12	Santa María (Huila)	13:01:05	2.8	5	3.05	-75.757	CIBA1
21-nov-12	Santa María (Huila)	13:01:05	2.8	5	3.05	-75.757	CFLOR
21-nov-12	Juradó (Chocó)	17:16:37	2.7	4.1	7.457	-78.152	CCODA
21-nov-12	Juradó (Chocó)	17:16:37	2.7	4.1	7.457	-78.152	CVALL
22-nov-12	Los Santos (Santander)	09:15:20	3	142.6	6.817	-73.159	CMON2
22-nov-12	San José de Fragua (Caquetá)	21:00:27	2.2	4	1.403	-75.955	CFLOR
22-nov-12	San José de Fragua (Caquetá)	21:00:27	2.2	4	1.403	-75.955	CCUFI
23-nov-12	Potosí (Nariño)	13:25:12	2	0	0.532	-77.322	CCUFI
24-nov-12	Ituango (Antioquia)	01:28:40	2.7	21.5	7.231	-75.829	CNOCA
24-nov-12	Gigante (Huila)	12:05:28	2.2	4	2.44	-75.548	CFLOR
24-nov-12	Riofrio (Valle)	20:40:52	2.3	8.1	4.203	-76.265	CYOTO
25-nov-12	Cabrera (Cundinamarca)	17:04:25	2.6	4	3.642	-74.373	CNOCA
25-nov-12	Cabrera (Cundinamarca)	17:04:25	2.6	4	3.642	-74.373	CFLOR
26-nov-13	Tamalameque (Cesar)	00:55:35	2.5	79.1	8.778	-73.803	CNOCA
26-nov-12	Juradó (Chocó)	22:50:28	3.1	24	6.11	-79.1	CBSOL
27-nov-12	Agustín Codazzi (Cesar)	07:43:46	3	100.6	10.095	-73.389	CCODA
27-nov-12	Agustín Codazzi (Cesar)	07:43:46	3	100.6	10.095	-73.389	CSTM1
27-nov-12	Riosucio (Chocó)	08:27:38	2.9	11.5	7.612	-77.435	CBSOL
27-nov-12	Riosucio (Chocó)	08:27:38	2.9	11.5	7.612	-77.435	CMON2
27-nov-12	Bahía Solano (Chocó)	10:29:35	3.6	48	6.081	-77.709	CBSOL
28-nov-12	Calima (Valle)	01:46:38	2.3	45.7	4.064	-76.541	CYOTO
28-nov-13	Lenguazaque (Cundinamarca)	02:35:12	2.9	142.5	5.292	-73.738	CROSA
28-nov-13	Lenguazaque (Cundinamarca)	02:35:12	2.9	142.5	5.292	-73.738	CNOCA
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CFLOR
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CIBA1
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CYOTO
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CROSA
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CNOCA
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CPAS1
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CPAS2
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	CCUFI
28-nov-12	Rivera (Huila)	04:35:08	3.9	0	2.79	-75.073	RAC02
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CFLOR
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CPAS1
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CPAS2
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CCUFI
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CYOTO
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CIBA1
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	RAC02
29-nov-12	Altamira (Huila)	04:39:50	3.5	1.8	2.043	-75.799	CROSA
29-nov-12	Pueblo Rico (Risaralda)	10:40:52	2.6	68	5.188	-76.138	CYOTO

29-nov-12	Albania (Santander)	15:24:26	3.1	104.2	5.734	-73.914	CNOCA
29-nov-12	Albania (Santander)	15:24:26	3.1	104.2	5.734	-73.914	CROSA
29-nov-12	Albania (Santander)	15:24:26	3.1	104.2	5.734	-73.914	CMON2
30-nov-12	Los Santos (Santander)	05:27:22	2.9	138.5	6.825	-73.158	CNOCA
1-dic-12	Bosconia (Cesar)	05:59:02	2.5	80	9.95	-73.815	CCODA
1-dic-12	Bosconia (Cesar)	05:59:02	2.5	80	9.95	-73.815	CSTM1
1-dic-12	Bosconia (Cesar)	05:59:02	2.5	80	9.95	-73.815	CVALL
1-dic-12	Bosconia (Cesar)	05:59:02	2.5	80	9.95	-73.815	CURIB
1-dic-12	N.D	07:40:34	N.D	N.D	N.D	N.D	CCODA
1-dic-12	N.D	07:40:34	N.D	N.D	N.D	N.D	CVALL
1-dic-12	El Copey (Cesar)	17:51:23	2.2	61.3	10.257	-73.99	CCODA
1-dic-12	El Copey (Cesar)	17:51:23	2.2	61.3	10.257	-73.99	CSTM1
1-dic-12	El Copey (Cesar)	17:51:23	2.2	61.3	10.257	-73.99	CVALL
1-dic-12	Algeciras (Huila)	18:11:45	2.2	4	2.536	-75.274	CFLOR
1-dic-12	Algeciras (Huila)	18:11:45	2.2	4	2.536	-75.274	CYOTO
1-dic-12	Becerril (Cesar)	20:50:53	2.8	15.1	9.802	-72.91	CCODA
1-dic-12	Becerril (Cesar)	20:50:53	2.8	15.1	9.802	-72.91	CVALL
1-dic-12	Becerril (Cesar)	20:50:53	2.8	15.1	9.802	-72.91	CURIB
2-dic-12	Los Santos (Santander)	01:14:57	3.6	140.6	6.774	-73.16	CNOCA
2-dic-12	Los Santos (Santander)	01:14:57	3.6	140.6	6.774	-73.16	CROSA
2-dic-12	Los Santos (Santander)	01:14:57	3.6	140.6	6.774	-73.16	CMON2
2-dic-12	Lenguezaque (Cundinamarca)	09:35:57	3.1	141	5.31	-73.766	CROSA
2-dic-12	Lenguezaque (Cundinamarca)	09:35:57	3.1	141	5.31	-73.766	CMON2
2-dic-12	El Carmen de Chucurí (Santander)	20:00:10	3.5	117.3	6.784	-73.437	CROSA
2-dic-12	El Carmen de Chucurí (Santander)	20:00:10	3.5	117.3	6.784	-73.437	CMON2
2-dic-12	El Carmen de Chucurí (Santander)	20:00:10	3.5	117.3	6.784	-73.437	CCODA
2-dic-12	El Carmen de Chucurí (Santander)	20:00:10	3.5	117.3	6.784	-73.437	CVALL
2-dic-12	El Carmen de Chucurí (Santander)	20:00:10	3.5	117.3	6.784	-73.437	CSTM1
2-dic-12	El Carmen de Chucurí (Santander)	20:00:10	3.5	117.3	6.784	-73.437	CURIB
3-dic-12	San Vicente del Caguán (Caquetá)	03:56:50	2.2	0.8	2.635	-74.649	CFLOR
3-dic-12	Iza (Boyacá)	12:19:45	3.5	0	5.657	-72.939	CROSA
3-dic-12	San José de Uré (Córdoba)	18:15:29	3	27.3	7.735	-75.547	CMON2
3-dic-12	El Dovio (Valle)	18:47:43	2.2	111.7	4.432	-76.275	CYOTO
3-dic-12	Saladoblanco (Huila)	23:41:02	2.6	4	1.921	-76.112	CFLOR
3-dic-12	Saladoblanco (Huila)	23:41:02	2.6	4	1.921	-76.112	CPAS1
3-dic-12	Saladoblanco (Huila)	23:41:02	2.6	4	1.921	-76.112	CPAS2
3-dic-12	Saladoblanco (Huila)	23:41:02	2.6	4	1.921	-76.112	CCUFI
4-dic-12	Anorí (Antioquia)	03:54:14	2.8	4	7.236	-75.091	CMON2
4-dic-12	Buga (Valle)	06:01:47	2	117.2	3.859	-76.309	CYOTO
4-dic-12	N.D	06:03:12	N.D	N.D	N.D	N.D	CBSOL
4-dic-12	Los Santos (Santander)	19:23:35	3.1	145.9	6.779	-73.139	CNOCA
4-dic-12	Los Santos (Santander)	22:32:34	3.3	140.8	6.808	-73.17	CNOCA
4-dic-12	Los Santos (Santander)	22:32:34	3.3	140.8	6.808	-73.17	CROSA
4-dic-12	Los Santos (Santander)	22:32:34	3.3	140.8	6.808	-73.17	CMON2
4-dic-12	Los Santos (Santander)	22:32:34	3.3	140.8	6.808	-73.17	CCODA

5-dic-12	Uribia (Guajira)	02:01:33	2.6	56	11.565	-72.062	CURIB
5-dic-12	Uribia (Guajira)	02:01:33	2.6	56	11.565	-72.062	CCODA
5-dic-12	Uribia (Guajira)	02:01:33	2.6	56	11.565	-72.062	CVALL
5-dic-12	Agustín Codazzi (Cesar)	02:41:11	2.3	100.8	10.106	-73.384	CCODA
5-dic-12	Agustín Codazzi (Cesar)	02:41:11	2.3	100.8	10.106	-73.384	CVALL
5-dic-12	Agustín Codazzi (Cesar)	02:41:11	2.3	100.8	10.106	-73.384	CSTM1
5-dic-12	Agustín Codazzi (Cesar)	02:41:11	2.3	100.8	10.106	-73.384	CURIB
5-dic-12	Bojayá (Chocó)	08:46:57	2.5	20	6.465	-76.717	CBSOL
5-dic-12	Bojayá (Chocó)	08:46:57	2.5	20	6.465	-76.717	CYOTO
5-dic-12	Tona (Santander)	10:49:17	3	167.4	7.131	-73.011	CMON2
5-dic-12	Tona (Santander)	10:49:17	3	167.4	7.131	-73.011	CVALL
5-dic-12	San Juan Del Cesar (Guajira)	14:58:18	2.6	82	10.753	-73.203	CCODA
5-dic-12	San Juan Del Cesar (Guajira)	14:58:18	2.6	82	10.753	-73.203	CSTM1
5-dic-12	San Juan Del Cesar (Guajira)	14:58:18	2.6	82	10.753	-73.203	CVALL
5-dic-12	San Juan Del Cesar (Guajira)	14:58:18	2.6	82	10.753	-73.203	CURIB
5-dic-12	Aracataca (Magdalena)	19:03:46	2.4	40	10.633	-73.761	CSTM1
5-dic-12	Aracataca (Magdalena)	19:03:46	2.4	40	10.633	-73.761	CCODA
5-dic-12	Aracataca (Magdalena)	19:03:46	2.4	40	10.633	-73.761	CVALL
5-dic-12	Aracataca (Magdalena)	19:03:46	2.4	40	10.633	-73.761	CURIB
6-dic-12	Gamarra (Cesar)	11:14:59	2.5	80.6	8.402	-73.78	CCODA
6-dic-12	Gamarra (Cesar)	11:14:59	2.5	80.6	8.402	-73.78	CVALL
7-dic-12	Mosquera (Nariño)	01:32:37	2.7	7.1	2.644	-79.543	CTUM2
7-dic-12	Mosquera (Nariño)	01:32:37	2.7	7.1	2.644	-79.543	CCUFI
7-dic-12	Ibagué (Tolima)	10:47:36	2.2	7.9	4.465	-75.328	CYOTO
7-dic-12	Ibagué (Tolima)	10:47:36	2.2	7.9	4.465	-75.328	CFLOR
7-dic-12	Magui (Nariño)	15:55:51	2.3	9.8	1.874	-78.214	CTUM2
7-dic-12	Magui (Nariño)	15:55:51	2.3	9.8	1.874	-78.214	CPAS1
7-dic-12	Magui (Nariño)	15:55:51	2.3	9.8	1.874	-78.214	CCUFI
7-dic-12	Bajo Baudó (Chocó)	16:10:51	2.2	57.6	5.018	-78.102	CBMAL
7-dic-12	Pitalito (Huila)	17:39:45	2	15.1	1.9	-76.04	CFLOR
7-dic-12	Pitalito (Huila)	17:39:45	2	15.1	1.9	-76.04	CCUFI
7-dic-12	Cucunubá (Cundinamarca)	18:13:25	2.8	146.7	5.297	-73.753	CNOCA
7-dic-12	El Bagre (Antioquia)	19:22:01	2.5	30.6	7.72	-74.492	CMON2
7-dic-12	El Bagre (Antioquia)	19:22:01	2.5	30.6	7.72	-74.492	CNOCA
9-dic-12	N.D	00:29:20	N.D	N.D	N.D	N.D	CPROV
9-dic-12	Puerto Boyacá (Boyacá)	00:31:21	2.3	5.1	5.845	-74.348	CNOCA
9-dic-12	Rio Viejo (Bolívar)	06:11:01	3.1	63.4	8.55	-74.092	CCODA
9-dic-12	Rio Viejo (Bolívar)	06:11:01	3.1	63.4	8.55	-74.092	CMON2
9-dic-12	Rio Viejo (Bolívar)	06:11:01	3.1	63.4	8.55	-74.092	CSTM1
9-dic-12	Rio Viejo (Bolívar)	06:11:01	3.1	63.4	8.55	-74.092	CVALL
9-dic-12	Rio Viejo (Bolívar)	06:11:01	3.1	63.4	8.55	-74.092	CURIB
9-dic-12	Pailitas (Cesar)	14:33:29	2.3	96.8	9.095	-73.614	CCODA
9-dic-12	Pailitas (Cesar)	14:33:29	2.3	96.8	9.095	-73.614	CVALL
9-dic-12	Lenguaque (Cundinamarca)	16:54:17	2.5	147.5	5.318	-73.709	CNOCA
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CFLOR

10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CPAS1
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CPAS2
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CCUFI
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CYOTO
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CBMAL
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CMAN1
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	RAC02
10-dic-12	Volcán Puracé (Cauca)	10:50:48	4.1	4.1	2.19	-76.081	CROSA
10-dic-12	Volcán Puracé (Cauca)	10:54:08	2.7	1.2	2.205	-76.107	CFLOR
10-dic-12	Volcán Puracé (Cauca)	10:54:08	2.7	1.2	2.205	-76.107	CCUFI
10-dic-12	Volcán Puracé (Cauca)	10:54:08	2.7	1.2	2.205	-76.107	CPAS2
10-dic-12	Volcán Puracé (Cauca)	10:54:08	2.7	1.2	2.205	-76.107	CPAS1
10-dic-12	Volcán Puracé (Cauca)	10:54:08	2.7	1.2	2.205	-76.107	CYOTO
10-dic-12	Volcán Puracé (Cauca)	10:54:08	2.7	1.2	2.205	-76.107	CFLOR
10-dic-12	Volcán Puracé (Cauca)	11:37:19	3	4.1	2.171	-76.093	CPAS2
10-dic-12	Volcán Puracé (Cauca)	11:37:19	3	4.1	2.171	-76.093	CCUFI
10-dic-12	Volcán Puracé (Cauca)	11:37:19	3	4.1	2.171	-76.093	CPAS1
10-dic-12	Volcán Puracé (Cauca)	11:37:19	3	4.1	2.171	-76.093	CROSA
10-dic-12	Los Santos (Santander)	22:18:28	3.4	144.9	6.828	-73.117	CNOCA
10-dic-12	Los Santos (Santander)	22:18:28	3.4	144.9	6.828	-73.117	CCODA
10-dic-12	Los Santos (Santander)	22:18:28	3.4	144.9	6.828	-73.117	CMON2
10-dic-12	Bolivar (Valle)	23:46:57	2.1	130.5	4.321	-76.232	CYOTO
11-dic-12	El Bagre (Antioquia)	09:22:39	2.5	34	7.784	-74.653	CTUM2
11-dic-12	El Dovio (Valle)	10:37:11	2	4	4.42	-76.29	CYOTO
11-dic-12	Los Santos (Santander)	14:02:30	4.2	150.4	6.815	-73.148	CROSA
11-dic-12	Los Santos (Santander)	14:02:30	4.2	150.4	6.815	-73.148	CCODA
11-dic-12	Los Santos (Santander)	14:02:30	4.2	150.4	6.815	-73.148	CMON2
11-dic-12	Los Santos (Santander)	14:02:30	4.2	150.4	6.815	-73.148	CVALL
11-dic-12	Los Santos (Santander)	14:02:30	4.2	150.4	6.815	-73.148	CSTM1
11-dic-12	La Uribe (Meta)	15:22:23	2.8	1.3	3.383	-74.504	CFLOR
12-dic-12	Ciénaga (Magdalena)	15:02:46	2.2	0	10.999	-74.044	CSTM1
12-dic-12	Ciénaga (Magdalena)	15:02:46	2.2	0	10.999	-74.044	CCODA
12-dic-12	Ciénaga (Magdalena)	15:02:46	2.2	0	10.999	-74.044	CVALL
12-dic-12	Los Santos (Santander)	19:26:54	3	142.7	6.811	-73.144	CNOCA
12-dic-12	Calima (Valle)	20:31:41	2.2	36.6	4.11	-76.708	CYOTO
12-dic-12	Calima (Valle)	20:31:41	2.2	36.6	4.11	-76.708	CBMAL
13-dic-12	Chiriguáná (Cesar)	02:30:30	2.4	112.5	9.373	-73.543	CCODA
13-dic-12	Chiriguáná (Cesar)	02:30:30	2.4	112.5	9.373	-73.543	CVALL
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CROSA
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CFLOR
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CYOTO
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CTUM2
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CCODA
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CMAN1
13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CVALL

13-dic-12	Los Santos (Santander)	10:05:22	4	150.3	6.797	-73.134	CSTM1
14-dic-12	Uribia (Guajira)	02:28:01	2.4	3.7	11.822	-72.118	CVALL
14-dic-12	Uribia (Guajira)	02:28:01	2.4	3.7	11.822	-72.118	CURIB
14-dic-12	Colombia (Huila)	03:37:58	2.8	5.9	3.371	-74.759	CIBA1
14-dic-12	Colombia (Huila)	03:37:58	2.8	5.9	3.371	-74.759	CYOTO
14-dic-12	Colombia (Huila)	03:37:58	2.8	5.9	3.371	-74.759	CROSA
14-dic-12	Colombia (Huila)	03:37:58	2.8	5.9	3.371	-74.759	CFLOR
14-dic-12	Acandí (Chocó)	08:56:09	2.7	94	8.559	-77.28	CMON2
15-dic-12	Tumaco (Nariño)	02:25:43	2.8	7.6	2.491	-79.825	CTUM2
15-dic-12	Tumaco (Nariño)	02:25:43	2.8	7.6	2.491	-79.825	CCUFI
15-dic-12	Acandí (Chocó)	18:41:41	3.4	33.7	8.756	-77.358	CMON2
15-dic-12	Acandí (Chocó)	18:41:41	3.4	33.7	8.756	-77.358	CCODA
16-dic-12	Los Santos (Santander)	16:46:36	2.8	141.1	6.788	-73.127	CNOCA
16-dic-12	Bahía Solano (Chocó)	16:49:05	4	18.5	5.93	-78.206	CYOTO
16-dic-12	Bahía Solano (Chocó)	16:49:05	4	18.5	5.93	-78.206	CBMAL
16-dic-12	Bahía Solano (Chocó)	16:49:05	4	18.5	5.93	-78.206	CNOCA
17-dic-12	Bosconia (Cesar)	12:36:35	2.6	94.7	9.956	-73.578	CSTM1
17-dic-12	Bosconia (Cesar)	12:36:35	2.6	94.7	9.956	-73.578	CCODA
17-dic-12	Bosconia (Cesar)	12:36:35	2.6	94.7	9.956	-73.578	CURIB
17-dic-12	Dagua (Valle)	18:24:03	2	87.5	3.595	-76.666	CYOTO
17-dic-12	Manauare Balcón de Cesar (Cesar)	18:50:29	2.9	106.8	10.466	-73.051	CCODA
17-dic-12	Manauare Balcón de Cesar (Cesar)	18:50:29	2.9	106.8	10.466	-73.051	CSTM1
17-dic-12	Manauare Balcón de Cesar (Cesar)	18:50:29	2.9	106.8	10.466	-73.051	CURIB
17-dic-12	Maicao (Guajira)	20:21:04	2.9	4.1	11.161	-72.087	CURIB
18-dic-12	Sipí (Chocó)	13:13:59	2.3	80.8	4.362	-76.612	CBMAL
18-dic-12	Sipí (Chocó)	13:13:59	2.3	80.8	4.362	-76.612	CYOTO
18-dic-12	Mosquera (Nariño)	15:57:56	3	0	2.756	-79.527	CTUM2
18-dic-12	Mosquera (Nariño)	15:57:56	3	0	2.756	-79.527	CPAS1
18-dic-12	Mosquera (Nariño)	15:57:56	3	0	2.756	-79.527	CCUFI
18-dic-12	Mosquera (Nariño)	15:57:56	3	0	2.756	-79.527	CNOCA
19-dic-12	Los Santos (Santander)	00:23:30	4.3	147	6.826	-73.158	CIBA1
19-dic-12	Los Santos (Santander)	00:23:30	4.3	147	6.826	-73.158	CNOCA
19-dic-12	Los Santos (Santander)	00:23:30	4.3	147	6.826	-73.158	CROSA
19-dic-12	Los Santos (Santander)	00:23:30	4.3	147	6.826	-73.158	CCODA
19-dic-12	Los Santos (Santander)	00:23:30	4.3	147	6.826	-73.158	CMON2
19-dic-12	Los Santos (Santander)	00:23:30	4.3	147	6.826	-73.158	CBMAL
19-dic-12	Los Santos (Santander)	02:40:42	3.6	141.5	6.817	-73.166	CCODA
19-dic-12	Los Santos (Santander)	02:40:42	3.6	141.5	6.817	-73.166	CROSA
19-dic-12	Los Santos (Santander)	02:40:42	3.6	141.5	6.817	-73.166	CMON2
19-dic-12	Los Santos (Santander)	02:40:42	3.6	141.5	6.817	-73.166	CSTM1
19-dic-12	Bolivar (Valle)	09:43:27	2.2	124.8	4.313	-76.298	CYOTO
19-dic-12	Bolivar (Valle)	09:43:27	2.2	124.8	4.313	-76.298	CBMAL
19-dic-12	Valledupar (Cesar)	17:09:04	2.6	67.9	10.785	-73.636	CVALL
19-dic-12	Valledupar (Cesar)	17:09:04	2.6	67.9	10.785	-73.636	CSTM1
19-dic-12	Valledupar (Cesar)	17:09:04	2.6	67.9	10.785	-73.636	CCODA

19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CNOCA
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CURIB
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CROSA
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CVALL
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CCODA
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CIBA1
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CMON2
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CYOTO
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CSTM1
19-dic-12	Los Santos (Santander)	19:51:09	4.1	152.1	6.813	-73.151	CBMAL
19-dic-12	Roberto Payán (Nariño)	22:36:47	2.2	75.8	1.385	-78.591	CTUM2
20-dic-12	Argelia (Valle)	10:02:48	2.3	84	4.692	-76.069	CYOTO
20-dic-12	Itsmína (Chocó)	17:11:13	2.3	17.5	5.148	-76.968	CBMAL
20-dic-12	Itsmína (Chocó)	17:11:13	2.3	17.5	5.148	-76.968	CNOCA
20-dic-12	Elias (Huila)	18:28:03	2.8	4.2	2.017	-75.968	CFLOR
21-dic-12	Buenaventura (Valle)	03:26:14	1.8	0	-76.855	4.133	CBMAL
22-dic-12	Maicao (Guajira)	01:25:41	2.7	31.6	-72.083	11.517	CURIB
22-dic-12	Maicao (Guajira)	01:25:41	2.7	31.6	-72.083	11.517	CVALL
22-dic-12	Maicao (Guajira)	01:25:41	2.7	31.6	-72.083	11.517	CSTM1
22-dic-12	Maicao (Guajira)	01:25:41	2.7	31.6	-72.083	11.517	CCODA
22-dic-12	Bagadó (Chocó)	14:55:23	2.8	40	-76.273	5.219	CYOTO
22-dic-12	Bagadó (Chocó)	14:55:23	2.8	40	-76.273	5.219	CBMAL
22-dic-12	Becerril (Cesar)	18:55:43	2.7	3.8	-72.76	9.746	CVALL
22-dic-12	Becerril (Cesar)	18:55:43	2.7	3.8	-72.76	9.746	CCODA
22-dic-12	Becerril (Cesar)	18:55:43	2.7	3.8	-72.76	9.746	CURIB
22-dic-12	Restrepo (Valle)	22:05:41	2.5	103.2	-76.701	3.931	CYOTO
22-dic-12	Restrepo (Valle)	22:05:41	2.5	103.2	-76.701	3.931	CBMAL
23-dic-12	Riohacha (Guajira)	18:58:14	2.8	32.1	-73.201	12.515	CURIB
23-dic-12	Riohacha (Guajira)	18:58:14	2.8	32.1	-73.201	12.515	CVALL
23-dic-12	Riohacha (Guajira)	19:14:21	2.3	0	-73.218	12.316	CURIB
23-dic-12	Riohacha (Guajira)	19:14:21	2.3	0	-73.218	12.316	CVALL
23-dic-12	Pauna (Boyacá)	22:29:21	2.1	104.8	-73.983	5.619	CNOCA
23-dic-12	Briceño (Boyacá)	22:32:15	2.4	139.1	-73.901	5.645	CNOCA
24-dic-12	Gigante (Huila)	23:35:45	1.9	4	-75.539	2.398	CFLOR
25-dic-12	Mutatá (Antioquia)	17:14:59	3.1	5.9	-76.201	7.331	CNOCA
25-dic-12	Valledupar (Cesar)	17:43:44	3.2	85.5	-73.586	10.303	CVALL
25-dic-12	Valledupar (Cesar)	17:43:44	3.2	85.5	-73.586	10.303	CCODA
25-dic-12	Valledupar (Cesar)	17:43:44	3.2	85.5	-73.586	10.303	CSTM1
25-dic-12	Valledupar (Cesar)	17:43:44	3.2	85.5	-73.586	10.303	CURIB
26-dic-12	Tumaco (Nariño)	04:42:23	2.8	44	-79.819	2.316	CTUM2
26-dic-12	Tumaco (Nariño)	04:42:23	2.8	44	-79.819	2.316	CCUFI
26-dic-12	Necoclí (Antioquia)	19:24:24	3	37.3	-76.906	8.559	CCODA
26-dic-12	Necoclí (Antioquia)	19:24:24	3	37.3	-76.906	8.559	CVALL
26-dic-12	Sipí (Chocó)	22:20:31	2.7	79.9	-76.488	4.59	CYOTO
26-dic-12	Sipí (Chocó)	22:20:31	2.7	79.9	-76.488	4.59	CBMAL

26-dic-12	La Victoria (Valle)	23:53:47	2.4	36	-75.998	4.505	CYOTO
28-dic-12	Cartagena del Chaira (Caquetá)	04:40:30	3.2	4.1	-74.727	1.454	CFLOR
28-dic-12	Cartagena del Chaira (Caquetá)	04:40:30	3.2	4.1	-74.727	1.454	CPAS1
28-dic-12	Cartagena del Chaira (Caquetá)	04:40:30	3.2	4.1	-74.727	1.454	CPAS2
28-dic-12	Cartagena del Chaira (Caquetá)	04:40:30	3.2	4.1	-74.727	1.454	CCUFI
28-dic-12	Caceres (Antioquia)	04:44:21	3.1	25.4	-75.145	7.543	CMON2
28-dic-12	Caceres (Antioquia)	04:44:21	3.1	25.4	-75.145	7.543	CCODA
29-dic-12	Mutatá (Antioquia)	02:37:16	3.3	0	-76.629	7.375	CMON2
29-dic-12	Mutatá (Antioquia)	02:38:34	3.7	2.1	-76.691	7.354	CMON2
30-dic-12	Roberto Payán (Nariño)	12:35:02	2.4	84.6	-78.409	1.805	CTUM2
30-dic-12	Roberto Payán (Nariño)	12:35:02	2.4	84.6	-78.409	1.805	CCUFI
31-dic-12	Los Santos (Santander)	02:17:45	3.6	144.8	-73.105	6.839	CROSA
31-dic-12	Los Santos (Santander)	02:17:45	3.6	144.8	-73.105	6.839	CCODA
31-dic-12	Los Santos (Santander)	02:17:45	3.6	144.8	-73.105	6.839	CMON2
31-dic-12	Los Santos (Santander)	02:17:45	3.6	144.8	-73.105	6.839	CSTM1
31-dic-12	Buenaventura (Valle)	11:14:01	2.5	0	-76.882	4.079	CBMAL
31-dic-12	Buenaventura (Valle)	11:14:01	2.5	0	-76.882	4.079	CYOTO
31-dic-12	Maicao (Guajira)	19:23:07	2.8	74.2	-72.177	11.151	CURIB
31-dic-12	Maicao (Guajira)	19:23:07	2.8	74.2	-72.177	11.151	CCODA
31-dic-12	Maicao (Guajira)	19:23:07	2.8	74.2	-72.177	11.151	CSTM1

Tabla 2. Sismos registrados por la Red Nacional de Acelerógrafos de Colombia durante el año 2012.

Anexo 2

Epicentros, aceleraciones y listado de los eventos de magnitudes mayores o iguales a 4.0 registrados por la Red Nacional de Acelerógrafos de Colombia entre Enero y Diciembre de 2012.

	Fecha	Hora_UTC	Localizacion	Longitud (Grados)	Latitud (Grados)	Magnitud (MI)	Prof. (Km)	Estacion	Geologia	Distancia. Hipo. (Km)	Acel. E-O Sup. (cm/s2)	Acel. Vert. Sup. (cm/s2)	Acel. N-S Sup. (cm/s2)
1	01/01/2012	02:40:37	SANTANDER/LOS_SANTOS	-73.168	6.807	4.1	150.2	CCUC3	ROCA	204.804	0.261	-0.232	-0.263
								CMON2	ROCA	439.352	0.06	0.024	0.029
								CIBA1	SUELO	379.242	0.015	0.056	-0.052
								CNOCA	ROCA	278.048	0.382	0.13	0.223
2	10/01/2012	18:07:10	QUINDIO/CORDOBA	-80.48	-85	5	12	CTUM2	ROCA	355.081	-0.105	-0.121	0.054
3	16/01/2012	15:23:45	GUAJIRA/MAICAO	-71.952	11.405	4.1	.2	CCUC3	ROCA	396.863	-0.029	-0.013	0.024
								CURIB	ROCA	33.017	7.733	-7.399	13.336
4	25/01/2012	14:36:59	CHOCO/NUQUI	-77.552	5.463	4.4	22	RAC02	SUELO	259.27	-0.117	-0.058	0.142
								CMAN1	SUELO	253.711	-0.889	-0.233	-0.803
								CIBA1	SUELO	281.687	0.025	-0.074	0.077
5	15/02/2012	14:54:48	CHOCO/JURADO	-78.223	7.597	4.3	24	CCUC3	ROCA	635.668	-0.029	-0.012	-0.017
								CMON2	ROCA	249.058	-0.04	0.02	-0.015
								CNOCA	ROCA	435.609	0.006	0.004	-0.004
6	20/02/2012	12:09:38	SANTANDER/LOS_SANTOS	-73.127	6.79	4.1	149.6	CCUC3	ROCA	203.881	-0.376	0.335	0.274
								CMON2	ROCA	443.721	-0.092	0.032	-0.052
								CIBA1	SUELO	380.484	0.019	-0.07	-0.05
								CNOCA	ROCA	279.923	-0.265	-0.117	-0.193
7	24/02/2012	13:43:17	SANTANDER/LOS_SANTOS	-73.134	6.792	5.7	153.8	CCAQ2	SUELO	319.966	0.984	0.623	-0.835

									CPOP5	SUELO	632.33	0.08	0.049	0.079
									CYOTO	ROCA	497.904	0.062	-0.049	0.064
									RAC02	SUELO	556.592	0.152	0.122	-0.068
									CGUAD	ROCA	294.185	-1.507	0.56	-1.675
									CGIRO	ROCA	156.795	-10.722	4.681	12.003
									CCUC3	ROCA	207.114	5.39	-3.475	-5.533
									CPAS2	ROCA	784.147	0.063	-0.031	0.054
									CVIL1	ROCA	333.532	0.766	0.565	1.151
									CPGA1	EDIFICIO	303.359	1.765	-0.627	-1.877
									CCAQ1	SUELO	319.154	1.076	0.582	0.973
									CBOG1	SUELO	302.8	1.965	0.923	1.603
									CREAC	EDIFICIO	303.294	-1.473	2.223	-0.602
									CMON2	ROCA	444.425	-1.001	-0.599	-0.948
									CPOP2	SUELO	634.549	-0.107	0.049	-0.106
									CFLOR	ROCA	660.363	-0.069	0.047	-0.072
									CMAN1	SUELO	346.264	-2.199	1.586	-3.907
									CIBA1	SUELO	381.832	-0.72	-1.841	1.368
									CNOCA	ROCA	281.764	-4.218	-1.593	3.028
									CGRAL	SUELO/ROCA	310.101	1.367	-0.584	0.533
8	24/02/2012	03:05:43	SANTANDER/LOS_SANTOS	-73.169	6.783	4.1	140.7		CCUC3	ROCA	199.586	0.484	0.986	0.58
									CMON2	ROCA	437.446	-0.071	0.042	-0.074
									CNOCA	ROCA	271.622	-0.298	-0.107	0.237

9	25/02/2012	06:15:12	SANTANDER/LOS_SANTOS	-73.148	6.772	4.8	144.5	CCUC3	ROCA	202.184	2.016	-1.997	2.131
10	01/03/2012	01:41:12	CHOCO/SIPI	-76.549	4.372	4.5	93.8	CPOP5	SUELO	230.943	-0.646	-0.345	0.937
								CYOTO	ROCA	105.715	3.075	1.716	-3.456
								RAC02	SUELO	145.316	-1.477	-0.895	1.378
								CTUM2	ROCA	383.727	-0.038	0.049	-0.063
								CPAS2	ROCA	370.409	0.094	-0.079	-0.102
								CPOP2	SUELO	232.196	0.484	-0.192	-0.547
								CFLOR	ROCA	338.12	-0.175	0.139	0.111
								CMAN1	SUELO	182.039	-1.109	0.682	-1.393
11	16/03/2012	16:34:04	PACIFICO/GORGONA	-77.84	3.091	4.2	.4	CPAS1	ROCA	218.812	-0.1	-0.071	0.162
								CPOP5	SUELO	156.075	-0.302	-0.156	0.246
								CYOTO	ROCA	193.239	-0.021	-0.016	0.025
								RAC02	SUELO	148.78	-0.118	-0.098	-0.131
								CTUM2	ROCA	171.703	-0.056	0.085	0.082
								CPAS2	ROCA	217.623	0.162	-0.09	0.168
								CPOP2	SUELO	154.883	1.203	0.988	-0.963
								CFLOR	ROCA	294.472	0.023	0.026	-0.03
12	08/05/2012	14:32:49	SANTANDER/LOS_SANTOS	-73.129	6.804	4	151.9	CVALL	ROCA	438.541	0.132	0.033	-0.086
								CMON2	ROCA	443.556	0.013	-0.019	0.024
								CIBA1	SUELO	382.32	-0.016	-0.045	-0.03

13	20/05/2012	04:59:58	SANTANDER/LOS_SANTOS	-73.15	6.85	4.5	152.6	CCODA	ROCA	380.894	-0.018	-0.009	0.025
								CYOTO	ROCA	500.334	0.019	0.009	0.019
								CVALL	ROCA	433.932	-0.026	-0.025	-0.028
								CCUC3	ROCA	203.163	0.657	-0.64	0.668
								CBOG1	SUELO	306.701	0.592	0.364	0.803
								CROSA	ROCA	299.274	-0.289	-0.136	0.215
								CMON2	ROCA	439.431	0.038	-0.072	0.065
								CFLOR	ROCA	664.984	-0.008	0.008	-0.007
								CMAN1	SUELO	348.16	-0.399	0.232	0.357
								CURIB	ROCA	574.183	0.019	0.019	-0.019
CCODA	ROCA	376.315	-0.018	-0.009	0.025								
14	24/05/2012	18:49:40	SANTANDER/ZAPATOCA	-73.183	6.824	4.4	148.4	CYOTO	ROCA	494.629	0.1	-0.019	-0.143
								CVALL	ROCA	435.099	-0.026	0.028	-0.04
								CCUC3	ROCA	203.005	-0.453	-0.463	-0.336
								CROSA	ROCA	293.406	-0.289	-0.136	0.215
								CMON2	ROCA	436.472	-0.029	-0.035	-0.025
								CMAN1	SUELO	342.135	-0.196	-0.131	-0.23
								CIBA1	SUELO	378.838	0.048	0.185	-0.114
								CURIB	ROCA	576.623	0.036	-0.031	-0.028
								CCODA	ROCA	376.973	0.068	-0.067	0.043
15	30/05/2012	00:57:52	CUNDINAMARCA/LENGUAZAKE	-73.764	5.311	4.3	146	CBOG1	SUELO	167.563	0.338	-0.592	-0.313
								CROSA	ROCA	166.673	0.239	0.171	-0.264
								CMON2	ROCA	499.884	-0.08	-0.074	-0.045

16	02/06/2012	08:06:52	SANTANDER/LOS_SANTOS	-73.165	6.824	4	149.1	CMAN1	SUELO	227.601	0.137	-0.097	-0.106
								CVALL	ROCA	435.38	-0.128	-0.059	-0.098
								CCUC3	ROCA	202.789	0.159	-0.142	0.146
								CROSA	ROCA	294.626	0.046	-0.022	-0.068
								CMON2	ROCA	438.308	0.023	-0.014	-0.008
								CIBA1	SUELO	380.316	0.247	-0.111	-0.14
								CCODA	ROCA	377.408	-0.031	0.021	-0.036
17	10/06/2012	15:21:48	SANTANDER/LOS_SANTOS	-73.119	6.82	4	146	CVALL	ROCA	434.898	-0.148	0.033	0.07
								CCUC3	ROCA	198.978	-0.127	0.041	0.136
								CROSA	ROCA	295.011	0.052	-0.036	-0.061
								CMON2	ROCA	441.588	-0.04	-0.035	-0.023
								CMAN1	SUELO	345.811	-0.277	-0.494	-0.337
								CIBA1	SUELO	381.921	0.015	-0.045	0.042
								CCODA	ROCA	377.056	0.01	0.01	0.012
18	15/06/2012	06:59:21	SANTANDER/LOS_SANTOS	-73.146	6.803	4.1	150.6	CCUC3	ROCA	204.493	-0.165	-0.141	-0.164
								CMON2	ROCA	441.659	-0.036	0.033	-0.026
								CMAN1	SUELO	344.612	-0.114	0.204	-0.145
								CIBA1	SUELO	380.577	-0.17	0.137	0.191
								CCODA	ROCA	380.311	0.024	0.016	0.026
19	16/06/2012	00:19:40	QUINDIO/CORDOBA	-76.54	-2.3	5	21	CPAS1	ROCA	397.442	-0.134	0.071	-0.183
								CYOTO	ROCA	698.065	-0.008	-0.006	0.005
								CTUM2	ROCA	518.425	-0.009	0.013	0.013
								CPAS2	ROCA	399.273	-0.383	-0.212	-0.366
								CPOP2	SUELO	528.703	-0.088	-0.071	-0.098

20	20/06/2012	12:31:29	CAUCA/PURACE	-76.479	2.361	4.2	154.8	CCUFI	LAVA	402.005	-0.257	-0.144	0.184
								CPAS1	ROCA	222.807	-0.052	0.069	-0.059
								CYOTO	ROCA	237.906	0.13	-0.177	-0.192
								CPAS2	ROCA	217.528	0.107	-0.141	-0.106
								CPOP2	SUELO	155.724	0.409	0.578	-0.626
								CFLOR	ROCA	199.318	0.097	0.142	0.08
								CMAN1	SUELO	359.6	0.473	0.48	-0.311
								CCUFI	LAVA	221.53	-0.084	-0.103	0.083
21	20/06/2012	17:38:31	SANTANDER/PUERTO_PARRA	-74.122	6.575	4.4	28.8	CYOTO	ROCA	380.125	-0.035	-0.006	-0.017
								CVALL	ROCA	447.9	-0.065	0.039	0.05
								CBUIS	SUELO	130.918	-3.468	-2.057	-2.315
								CCUC3	ROCA	231.784	0.433	-0.3	0.373
								CROSA	ROCA	195.102	0.087	0.046	-0.061
								CMON2	ROCA	346.706	-0.032	-0.025	-0.026
								CMAN1	SUELO	217.379	0.312	0.654	0.355
								CIBA1	SUELO	268.116	-0.49	-0.189	-0.318
22	27/06/2012	03:47:52	VALLE/GUACARI	-76.343	3.755	4.5	142.8	CPAS1	ROCA	336.64	-0.048	-0.051	0.055
								CYOTO	ROCA	145.025	1.842	-1.669	2.8
								CVALL	ROCA	836.378	0.005	-0.005	0.005
								CPAS2	ROCA	331.157	-0.142	-0.108	-0.148
								CROSA	ROCA	292.379	0.018	0.015	0.027

								CMON2	ROCA	575.123	-0.013	0.01	0.013
								CPOP2	SUELO	204.634	1.109	-0.485	0.874
								CFLOR	ROCA	290.216	0.116	0.23	-0.144
								CMAN1	SUELO	232.115	-0.857	-0.548	-0.64
								CCUFI	LAVA	334.014	0.107	-0.11	0.096
								CIBA1	SUELO	203.514	-0.287	-0.499	-0.296
								CCODA	ROCA	771.044	0.004	-0.006	-0.004
23	08/07/2012	11:15:02	SANTANDER/LOS_SANTOS	-73.144	6.8	4.1	152.7	CVALL	ROCA	439.183	0.024	0.014	-0.022
								CCUC3	ROCA	206.161	-4.269	2.487	-2.092
								CROSA	ROCA	295.521	0.085	-0.044	-0.087
								CMON2	ROCA	442.721	-0.059	-0.047	0.032
								CMAN1	SUELO	345.502	0.11	-0.054	0.137
								CIBA1	SUELO	381.32	0.024	-0.07	0.037
								CCODA	ROCA	381.471	0.043	-0.033	0.061
24	09/07/2012	09:50:37	SANTANDER/RIONEGRO	-73.123	7.369	4.4	4	CVALL	ROCA	348.774	0.022	-0.013	-0.02
								CCUC3	ROCA	88.437	0.558	0.614	-0.52
								CROSA	ROCA	309.846	0.167	-0.088	0.179
								CMON2	ROCA	388.153	-0.018	-0.018	-0.032
								CBSOL	SUELO	492.389	-0.012	-0.005	-0.013
								CMAN1	SUELO	354.715	0.167	-0.068	-0.183
								CIBA1	SUELO	400.215	-0.028	0.074	0.058
								CCODA	ROCA	287.074	-0.039	0.017	0.029
25	18/07/2012	17:23:09	SANTANDER/LOS_SANTOS	-73.135	6.794	4	152	CVALL	ROCA	439.595	0.013	0.01	0.014
								CCUC3	ROCA	205.689	0.558	0.614	-0.52

								CROSA	ROCA	295.116	0.167	-0.088	0.179
								CCODA	ROCA	381.887	-0.057	-0.032	-0.052
26	31/07/2012	01:26:39	VALLE/OBANDO	-75.985	4.553	4.2	16.6	CPOP5	SUELO	240.866	0.149	-0.09	0.129
								CYOTO	ROCA	76.651	5.227	-2.467	4.047
								CROSA	ROCA	188.317	0.067	0.037	0.052
								CBSOL	SUELO	244.428	0.056	0.026	-0.075
								CMAN1	SUELO	93.708	-1.447	1.446	-2.12
								CIBA1	SUELO	85.7	0.319	-0.948	0.548
27	09/08/2012	12:01:00	ARAUCA/TAME	-72.036	6.519	4.3	8.6	CCUC3	ROCA	159.36	0.498	0.293	0.491
								CROSA	ROCA	314.338	0.021	-0.013	-0.02
								CMON2	ROCA	537.939	-0.019	-0.005	-0.004
								CURIB	ROCA	575.178	0.006	-0.007	0.004
								CCODA	ROCA	410.212	0.028	-0.015	0.025
28	16/08/2012	01:44:18	CESAR/VALLEDUPAR	-73.356	10.696	4.5	94	CCUC3	ROCA	340.451	-0.547	0.249	0.397
								CROSA	ROCA	664.587	-0.02	-0.008	-0.016
								CMON2	ROCA	403.683	-0.024	0.023	0.02
								CURIB	ROCA	210.348	-0.678	-0.411	-0.647
								CCODA	ROCA	126.755	2.283	-1.863	-1.778
29	20/08/2012	20:17:39	BOYACA/RONDON	-73.206	5.43	4.1	14.1	CYOTO	ROCA	383.926	0.007	-0.006	0.007
								CROSA	ROCA	140.321	0.396	0.164	0.373
								CMAN1	SUELO	238.315	0.3	-0.174	-0.312
								CIBA1	SUELO	250.655	0.071	0.245	0.187
30	20/08/2012	13:00:31	SANTANDER/LOS_SANTOS	-73.154	6.809	4.1	146.8	CYOTO	ROCA	495.387	0.025	-0.01	-0.031
								CCUC3	ROCA	201.634	0.274	0.362	-0.321

								CMON2	ROCA	439.335	0.055	-0.057	0.03
								CCODA	ROCA	378.135	-0.022	-0.018	0.036
31	28/08/2012	22:04:03	SANTANDER/LOS_SANTOS	-73.156	6.808	4.4	144	CYOTO	ROCA	494.335	-0.004	0.004	-0.004
								CCUC3	ROCA	199.751	-0.76	0.804	0.759
								CROSA	ROCA	291.188	-0.087	0.05	0.089
								CMON2	ROCA	438.284	0.116	-0.109	0.078
								CURIB	ROCA	576.497	-0.01	-0.008	0.007
								CCODA	ROCA	377.14	0.086	-0.05	-0.076
								CPAS1	ROCA	792.918	-0.011	0.008	0.014
								CCAQ2	SUELO	321.886	0.618	-0.243	-0.394
								CPOP5	SUELO	633.561	-0.044	0.03	0.056
								CYOTO	ROCA	498.373	-0.032	-0.043	0.023
								CCUC3	ROCA	206.082	-4.402	2.925	-5.28
								CTUM2	ROCA	844.968	0.013	-0.016	0.008
								CPAS2	ROCA	785.534	-0.057	-0.028	-0.067
								CBOG1	SUELO	304.892	1.044	0.536	-0.879
								CROSA	ROCA	297.554	1.205	0.609	1.306
								CMON2	ROCA	440.564	0.655	-0.447	0.278
								CBSOL	SUELO	500.789	-0.104	0.055	-0.106
								CPOP2	SUELO	635.775	-0.094	0.048	0.083
								CMAN1	SUELO	346.574	2.109	-1.033	-2.877
								CCUFI	LAVA	791.178	0.02	0.015	0.021
								CIBA1	SUELO	382.808	0.405	1.278	-0.797
32	01/09/2012	05:09:46	SANTANDER/LOS_SANTOS	-73.158	6.825	5.3	154						

								CPROV	ROCA	1.175.566	-0.059	0.009	-0.011
								CURIB	ROCA	577.356	0.154	-0.14	0.09
								CCODA	ROCA	379.334	0.708	0.459	0.755
33	05/09/2012	14:40:10	TOLIMA/COYAIMA	-85.35	10.12	7.6	40.8	CROSA	ROCA	1.357.507	0.064	-0.046	-0.056
								CPROV	ROCA	572.838	3.729	-0.462	0.767
								CURIB	ROCA	1.493.852	-0.011	-0.013	-0.017
								CCODA	ROCA	1.322.356	0.031	0.027	-0.022
34	10/09/2012	14:43:02	SANTANDER/LOS_SANTOS	-73.155	6.786	4.1	149	CCUC3	ROCA	204.775	-0.294	0.217	0.287
								CROSA	ROCA	291.938	-0.033	0.022	0.029
								CMON2	ROCA	441.257	-0.069	0.029	0.046
								CCODA	ROCA	381.324	0.027	0.023	0.037
35	12/09/2012	05:23:17	CHOCO/ACANDI	-77.813	9.3	4.1	22.3	CCUC3	ROCA	610.302	-0.021	0.012	-0.025
								CMON2	ROCA	176.598	-0.019	-0.017	-0.019
								CBSOL	SUELO	344.87	-0.018	-0.011	0.018
								CURIB	ROCA	699.456	-0.004	0.004	0.003
								CCODA	ROCA	490.561	0.039	0.018	-0.032
36	13/09/2012	18:13:42	NARINO/TUMACO	-79.182	2.004	4.2	13.1	CPAS1	ROCA	225.79	-0.032	-0.028	0.066
								CTUM2	ROCA	56.011	-0.94	0.955	-0.576
								CPAS2	ROCA	231.663	0.099	-0.103	0.07
								CCUFI	LAVA	221.827	0.109	0.061	-0.064
37	26/09/2012	02:22:25	SANTANDER/LOS_SANTOS	-73.142	6.828	4.1	147.6	CCUC3	ROCA	200.521	-0.195	-0.286	-0.188
								CROSA	ROCA	295.323	-0.077	0.053	-0.08
								CMON2	ROCA	439.63	-0.042	0.022	-0.042
								CIBA1	SUELO	381.588	0.016	0.067	-0.053

38	30/09/2012	16:31:33	CAUCA/LA_VEGA	-76.558	1.973	6.4	172	CCODA	ROCA	376.629	-0.027	-0.018	0.031
								CYOTO	ROCA	282.703	7.573	6.089	7.025
								CCUC3	ROCA	812.818	-0.6	0.285	-0.439
								CPAS2	ROCA	206.079	-10.2	12.572	-14.499
								CBOG1	SUELO	439.255	4.075	1.446	3.762
								CROSA	ROCA	439.41	1.051	-0.592	-0.819
								CBSOL	SUELO	511.243	-1.952	2.567	2.772
								CPOP2	SUELO	180.311	20.996	-7.201	13.166
								CFLOR	ROCA	203.625	-3.108	5.577	3.457
								CMAN1	SUELO	405.926	-14.754	-4.691	-20.733
								CCUFI	LAVA	209.977	-4.493	-4.599	3.7
39	30/09/2012	09:30:12	CHOCO/ACANDI	-77.092	8.388	4.3	32.1	CPROV	ROCA	1.384.245	0.13	0.042	0.039
								CURIB	ROCA	1.205.167	0.134	0.096	-0.099
								CCUC3	ROCA	513.14	-0.6	0.285	-0.439
40	20/10/2012	10:56:43	NARINO/MOSQUERA	-79.625	2.684	4.2	14	CBSOL	SUELO	244.663	-1.952	2.567	2.772
								CURIB	ROCA	675.947	0.136	-0.09	0.061
								CPAS1	ROCA	305.093	0.026	0.016	-0.051
								CPOP5	SUELO	339.331	-0.084	-0.061	0.101
								CYOTO	ROCA	391.843	0.014	0.008	0.014
								CPAS2	ROCA	309.85	-0.047	-0.021	-0.042
41	24/10/2012	10:20:09	SANTANDER/LOS_SANTOS	-73.145	6.8	4.2	148	CPOP2	SUELO	337.436	0.076	-0.043	0.108
								CFLOR	ROCA	457.35	0.008	0.007	0.009
								CCUFI	LAVA	300.727	0.058	0.034	0.047
41	24/10/2012	10:20:09	SANTANDER/LOS_SANTOS	-73.145	6.8	4.2	148	CCUC3	ROCA	202.743	0.153	-0.065	0.172
								CROSA	ROCA	293.07	-0.029	-0.017	0.039
								CMAN1	SUELO	343.372	0.058	0.039	0.057

								CIBA1	SUELO	379.394	0.014	-0.049	-0.037
								CSTM1	SUELO	526.225	-0.009	-0.005	-0.009
42	30/10/2012	12:18:21	SANTANDER/LOS_SANTOS	-73.13	6.828	4.5	144	CYOTO	ROCA	497.81	-0.003	-0.003	0.004
								CCUC3	ROCA	197.416	0.529	-0.404	-0.504
								CIBA1	SUELO	381.026	0.019	0.048	0.056
43	31/10/2012	02:57:39	SANTANDER/LOS_SANTOS	-73.137	6.82	4.1	148.7	CCUC3	ROCA	201.652	0.114	-0.051	-0.067
44	05/11/2012	16:46:01	SANTANDER/LOS_SANTOS	-73.139	6.821	4.8	145.4	CYOTO	ROCA	497.009	-0.034	-0.022	-0.029
								CVALL	ROCA	434.519	-0.22	-0.089	-0.227
								CBSOL	SUELO	500.15	0.024	0.008	0.019
								CFLOR	ROCA	661.05	-0.006	0.005	0.005
								CMAN1	SUELO	344.06	-0.194	-0.127	-0.236
								CCUFI	LAVA	790.444	-0.016	0.008	-0.009
								CIBA1	SUELO	380.407	-0.059	0.157	0.103
								CURIB	ROCA	575.069	0.007	-0.011	0.01
								CCODA	ROCA	376.516	-0.113	-0.056	0.113
								CSTM1	SUELO	523.469	-0.035	0.018	-0.033
45	05/11/2012	02:30:11	NORTE_DE_SANTANDER/EL_TARRA	-73.131	8.721	4.3	130.7	CVALL	ROCA	237.963	-1.008	-0.409	-0.833
								CCUC3	ROCA	175.329	-1.338	0.886	-1.591
								CCODA	ROCA	190.914	0.203	0.133	0.379
								CSTM1	SUELO	329.109	-0.021	0.014	-0.024
46	10/12/2012	10:50:48	CAUCA/VOLCAN_PURACE	-76.081	2.19	4.1	4.1	CPAS1	ROCA	177.024	-0.07	-0.045	-0.12
								CYOTO	ROCA	201.211	0.073	-0.042	0.088

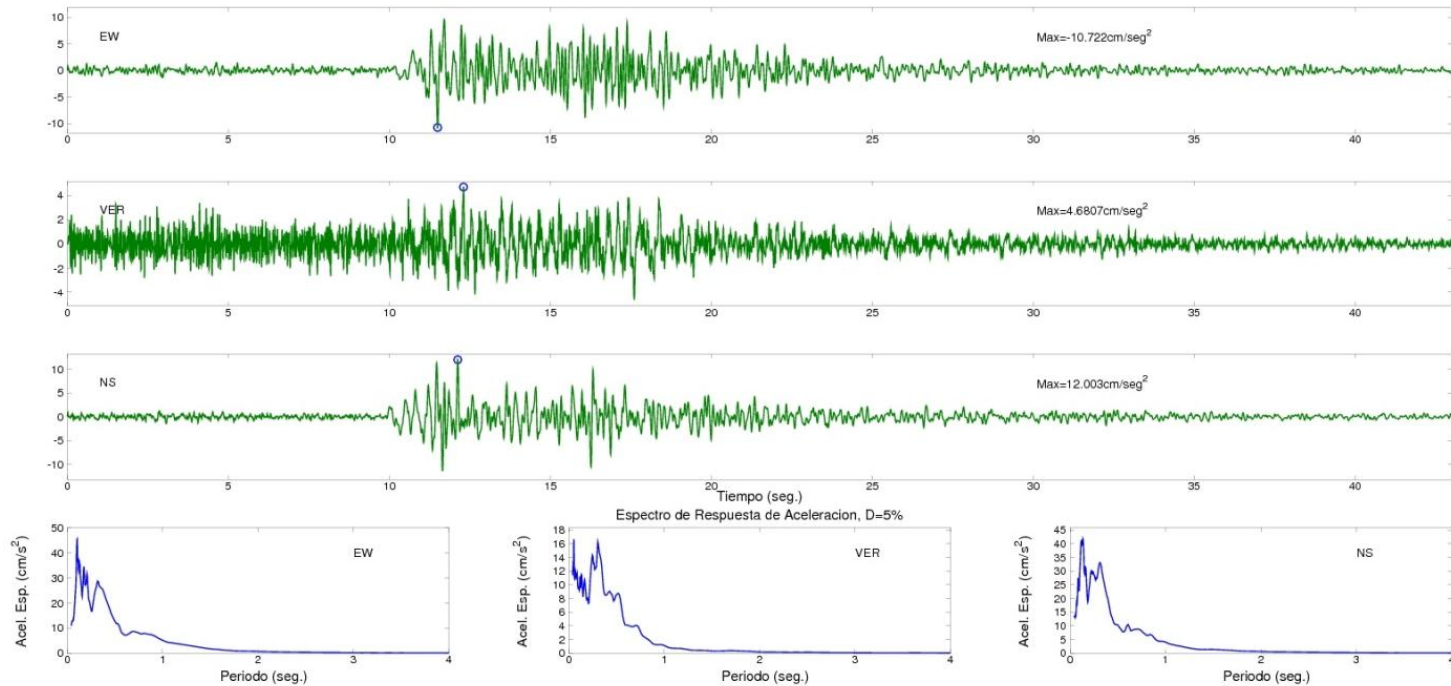
							RAC02	SUELO	140.421	0.265	0.163	0.273
							CBMAL	ROCA	245.639	-0.038	-0.046	-0.022
							CPAS2	ROCA	168.677	0.218	0.153	-0.219
							CROSA	ROCA	353.878	0.044	0.026	0.036
							CFLOR	ROCA	82.171	0.457	-0.461	0.505
							CMAN1	SUELO	327.953	-0.076	0.042	0.073
							CCUFI	LAVA	176.499	-0.187	-0.106	0.145

Tabla 3. Aceleraciones de sismos de magnitud mayor o igual a 4.0 registrados por la Red Nacional de Acelerógrafos de Colombia durante el año 2012.

Anexo 3

Acelerogramas y espectros de respuesta del Sismo de Los Santos (Santander), ocurrido el 24 de Febrero de 2012.

SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:GIRON Geol:ROCA Topo:PLANA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 30.502 km, DISTANCIA HIPOCENTRAL: 156.795 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

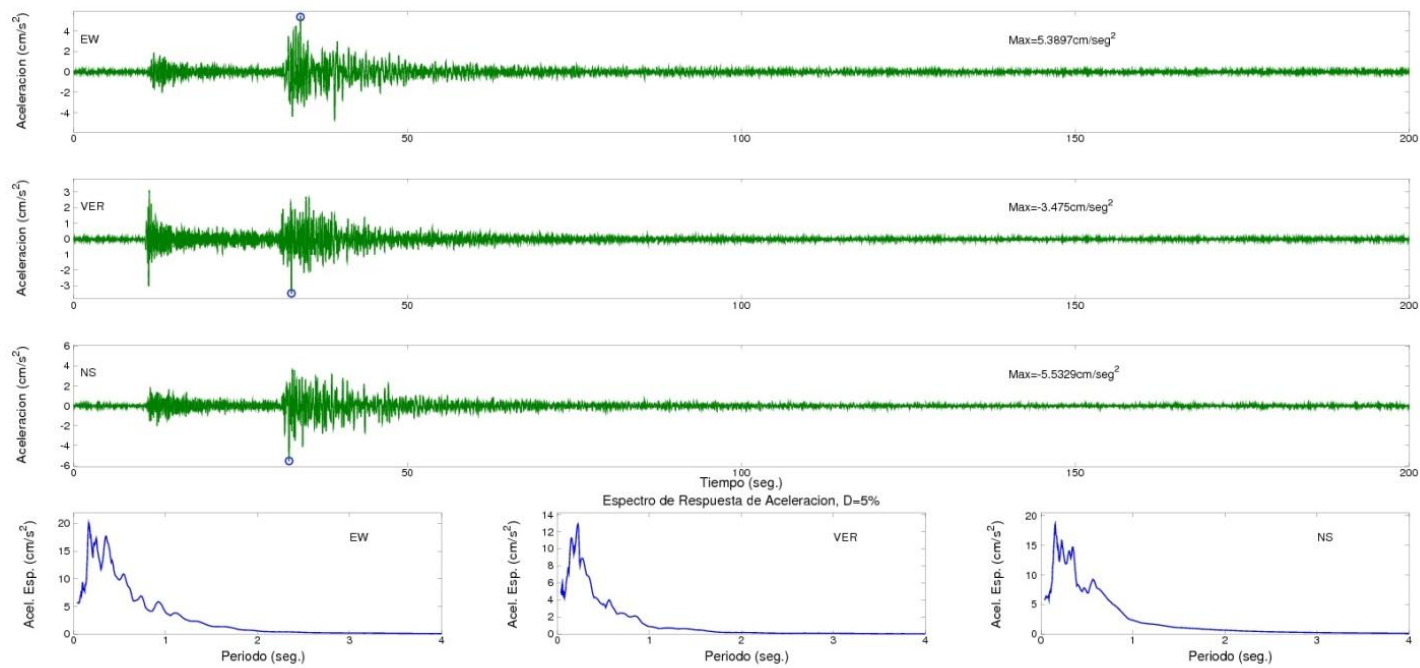
SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7

Estación:SANTO DOMINGO Geol:ROCA Topo:ONDULADA

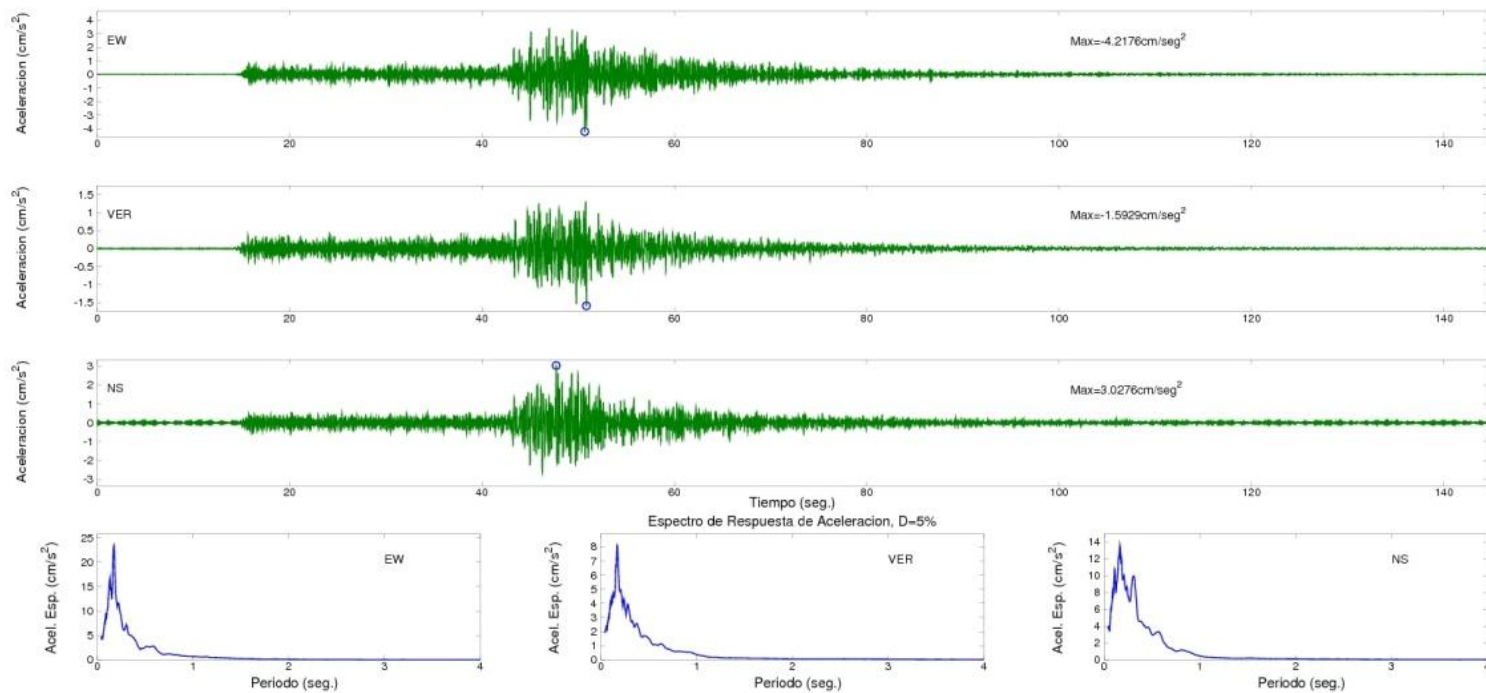
LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 138.714 km, DISTANCIA HIPOCENTRAL: 207.114 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:NORCASIA Geol:ROCA Topo:ESCARPADA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 236.086 km, DISTANCIA HIPOCENTRAL: 281.764 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

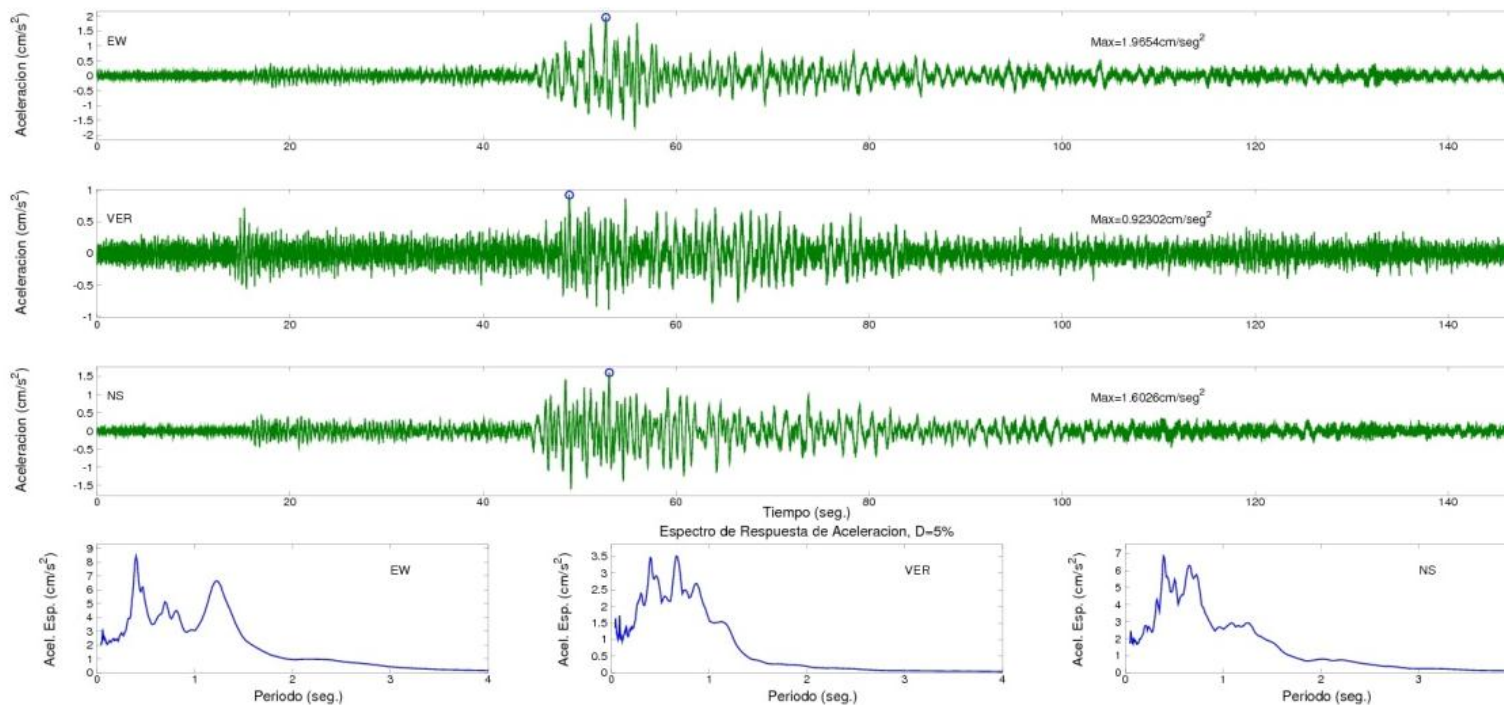
SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7

Estacion:INGEOMINAS Geol:SUELO Topo:PLANA

LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 260.832 km, DISTANCIA HIPOCENTRAL: 302.8 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

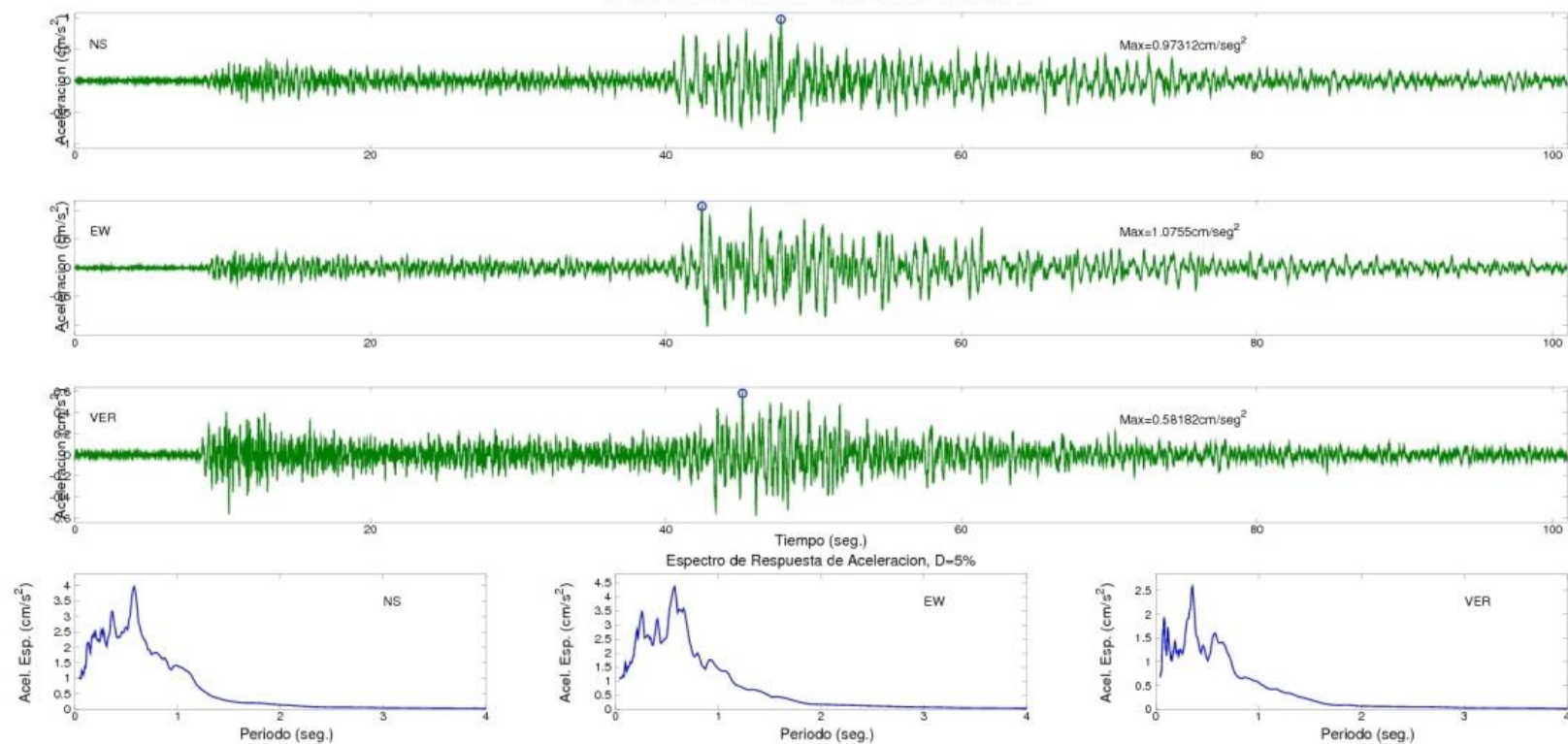
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Estacion:CAQUEZA Geol:SUELO Topo:ONDULADA

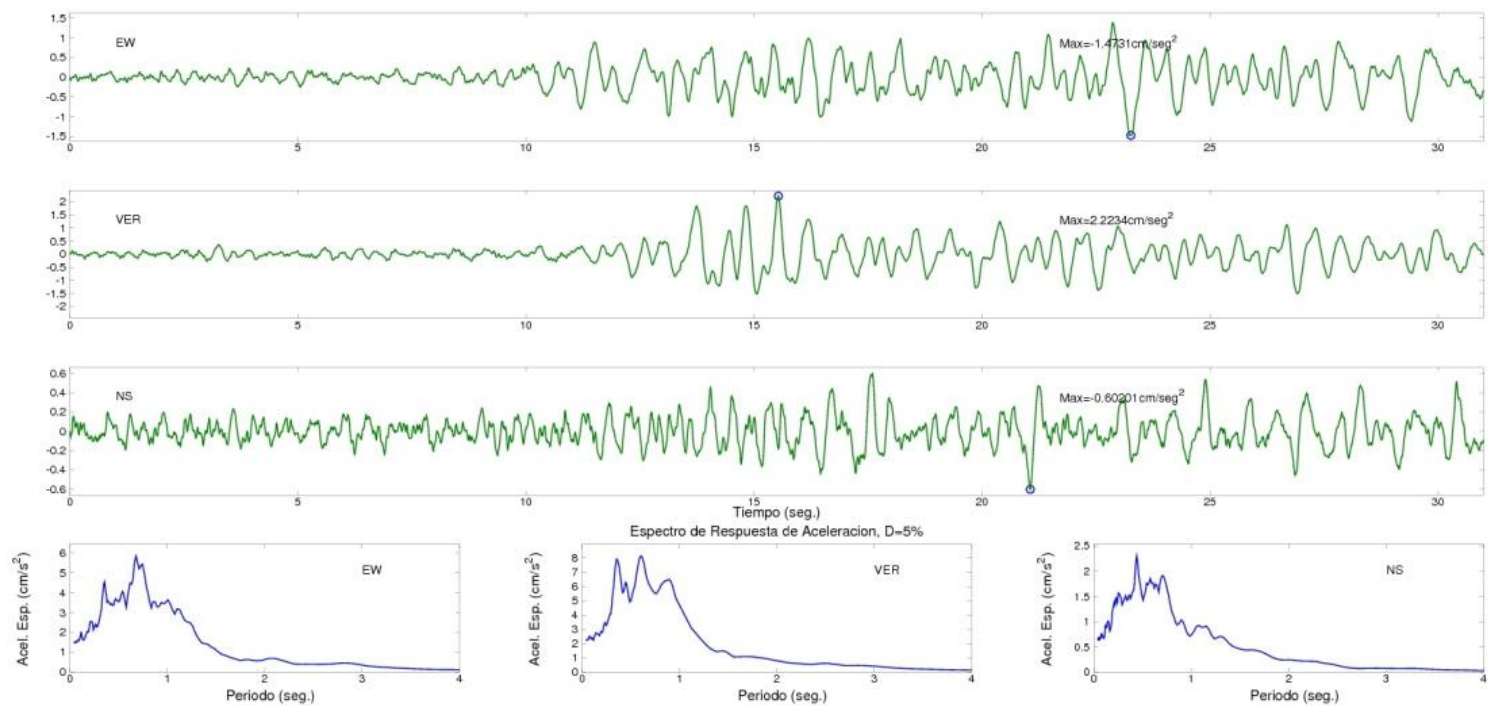
LATITUD DEL EVENTO(GRADOS): 6.793 N, LONGITUD DEL EVENTO(GRADOS): -73.132 E, PROFUNDIDAD DEL EVENTO (Km): 154.5

DISTANCIA EPICENTRAL: 279.265 km, DISTANCIA HIPOCENTRAL: 319.154 km

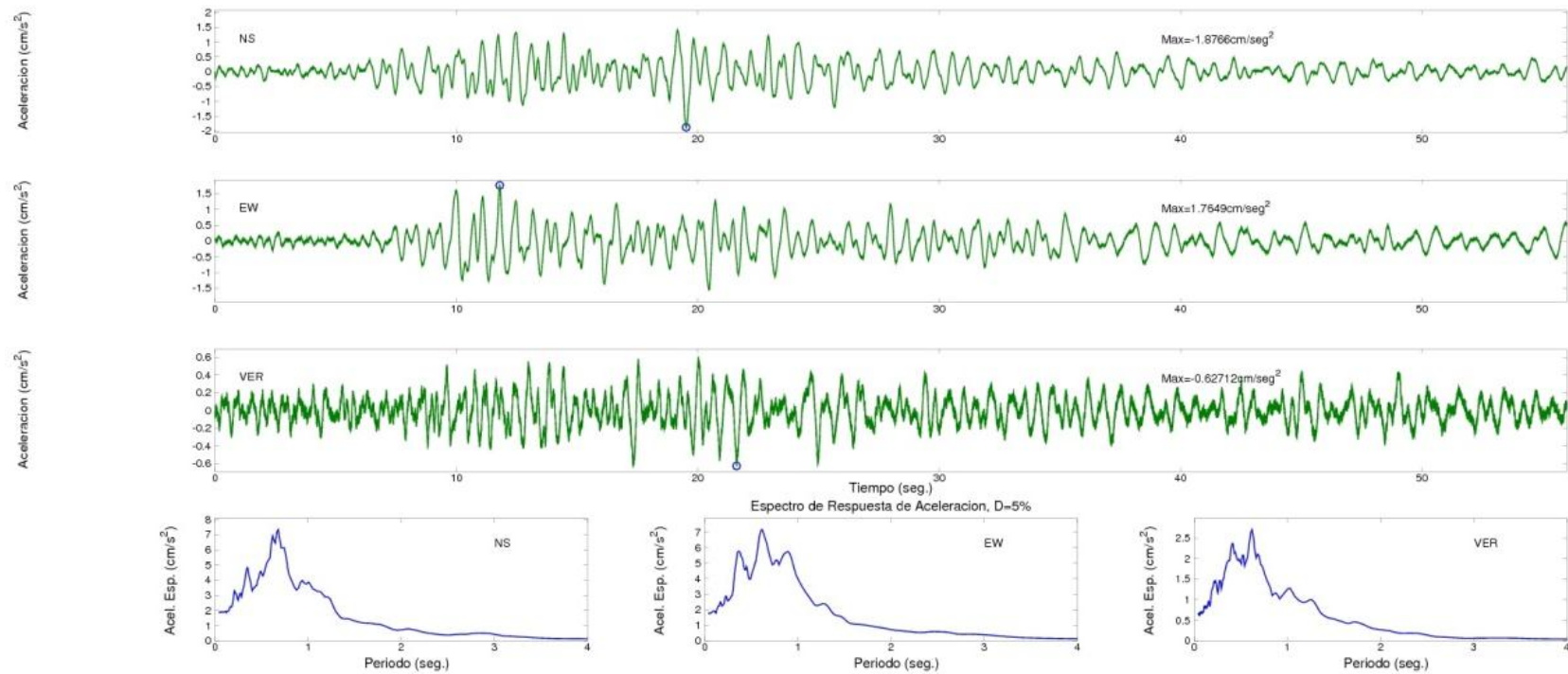
REGISTROS DE ACELERACION CORREGIDA



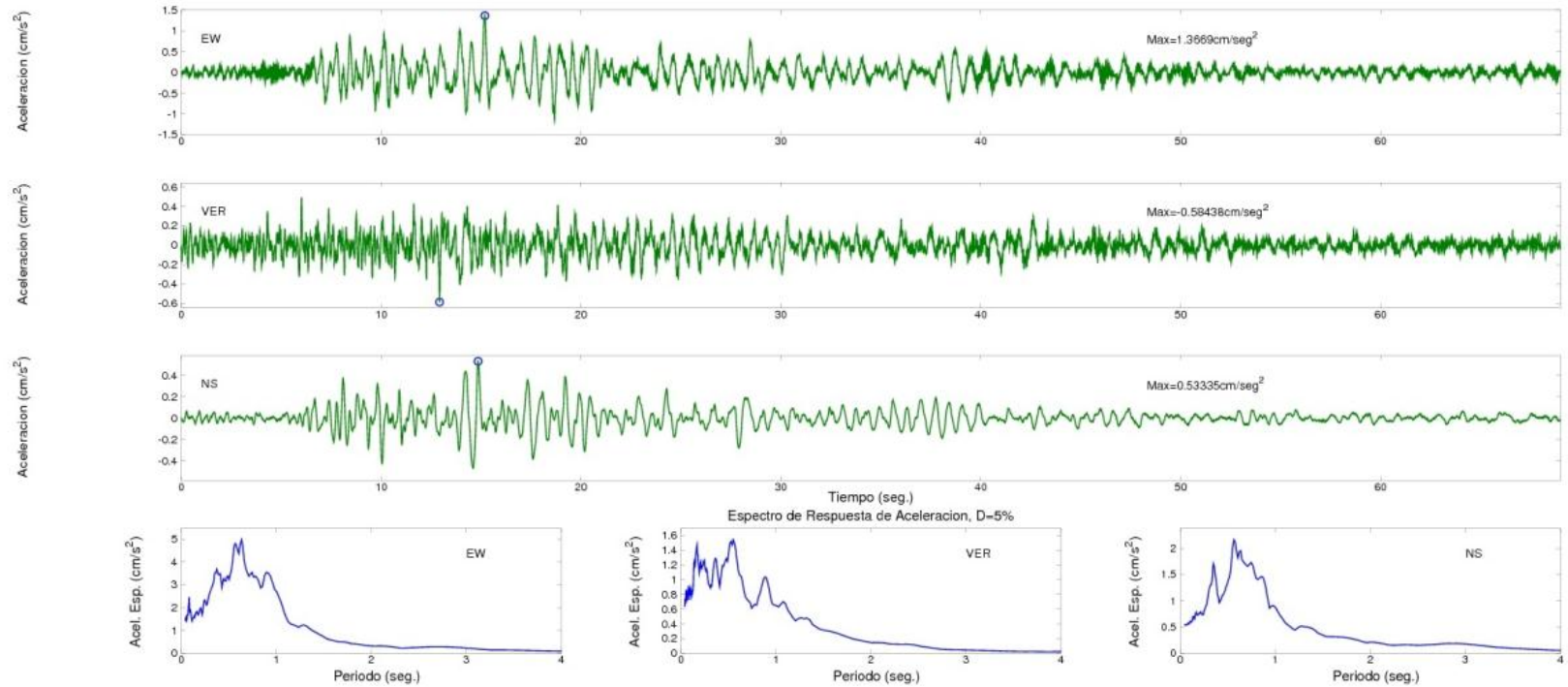
SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:BOGOTA, REACTOR NUCLEAR Geol:EDIFICIO Topo:EDIFICIO
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 281.405 km, DISTANCIA HIPOCENTRAL: 303.294 km
 REGISTROS DE ACELERACION CORREGIDA



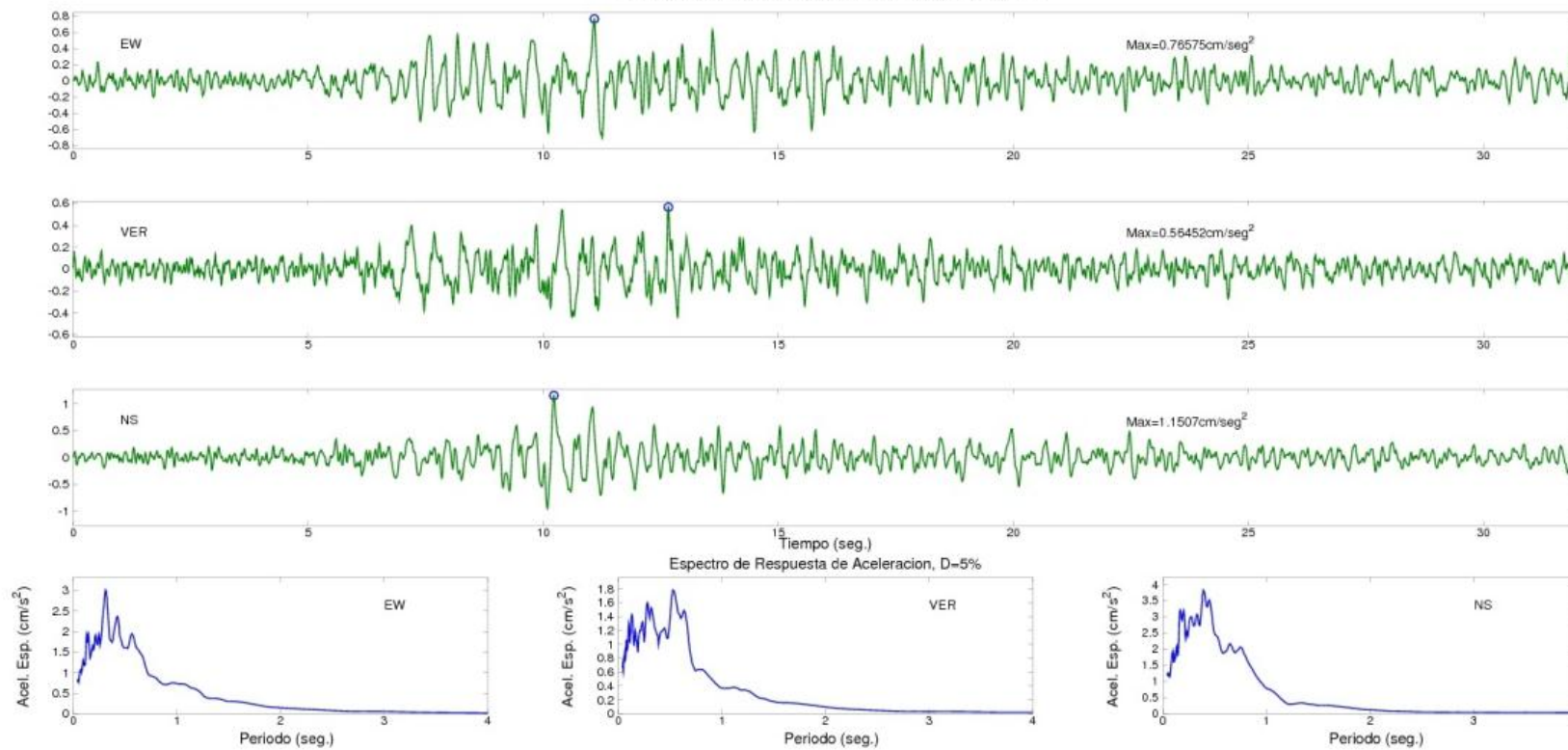
SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion: PLANTA GAMMA 1 Geol: EDIFICIO Topo: EDIFICIO
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 261.481 km, DISTANCIA HIPOCENTRAL: 303.359 km
 REGISTROS DE ACELERACION CORREGIDA



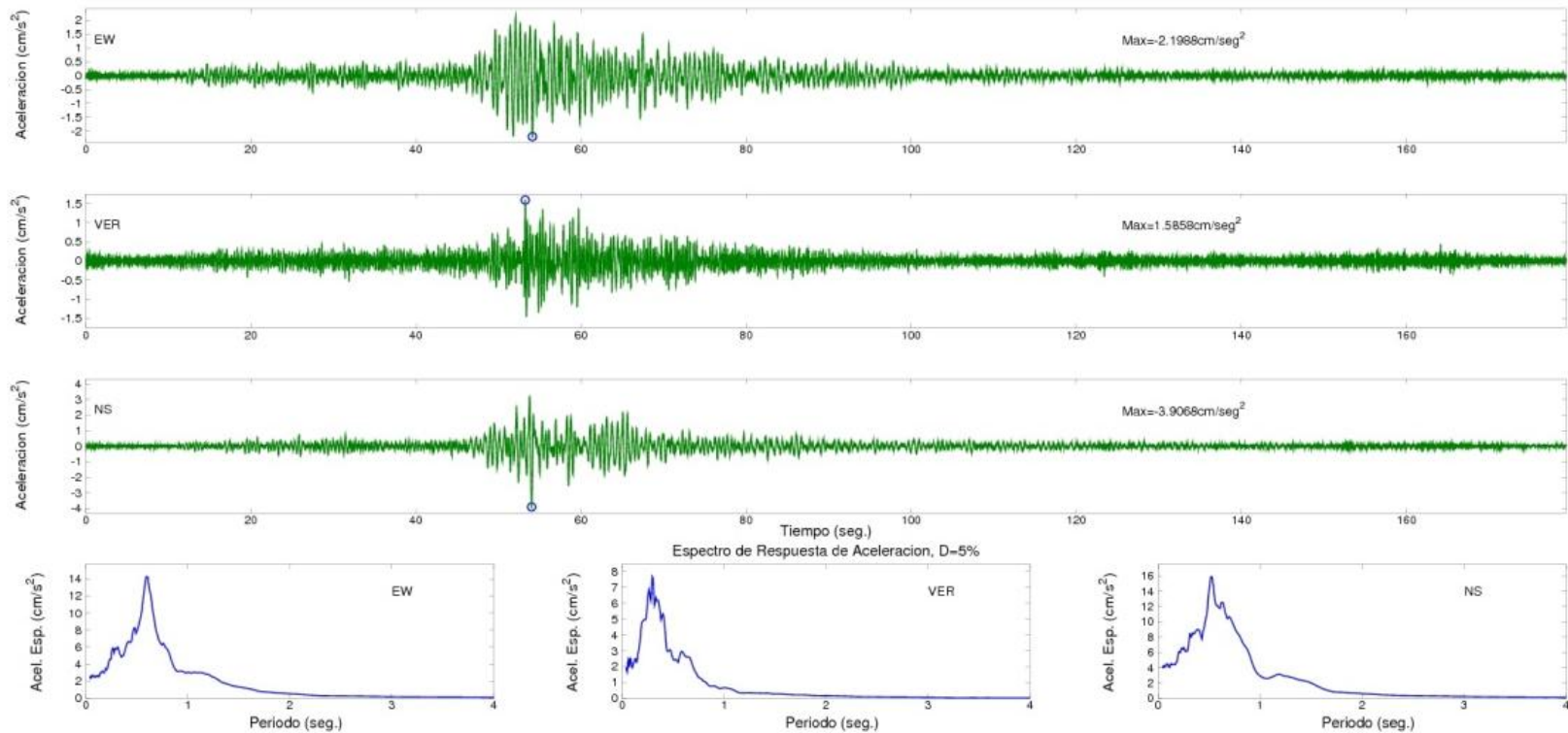
SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:BOGOTA, ESCUELA GENERAL SANTANDER Geol:SUELO/ROCA Topo:PLANA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 269.274 km, DISTANCIA HIPOCENTRAL: 310.101 km
 REGISTROS DE ACELERACION CORREGIDA EN SUELO



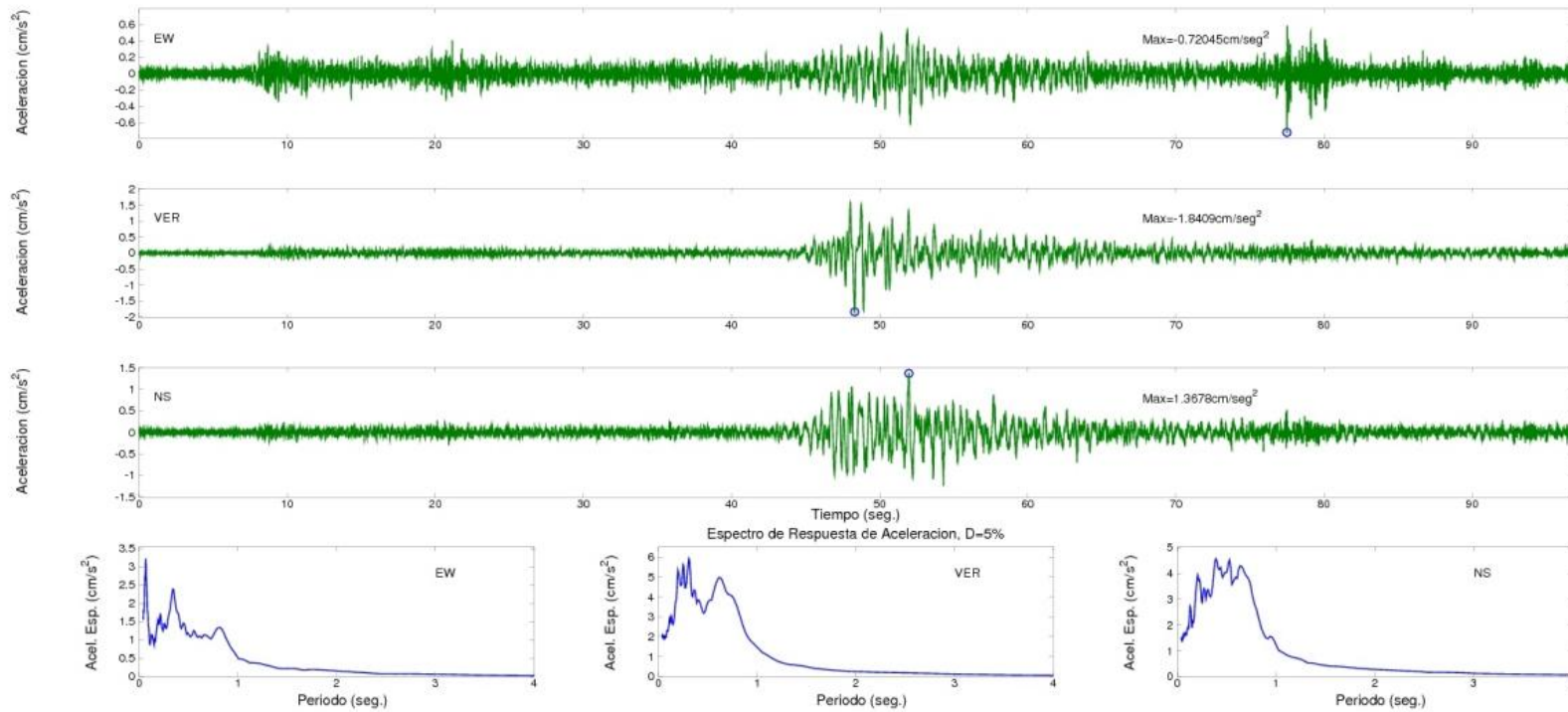
SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:VILLAVICENCIO Geol:ROCA Topo:PLANA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 295.955 km, DISTANCIA HIPOCENTRAL: 333.532 km
 REGISTROS DE ACELERACION CORREGIDA



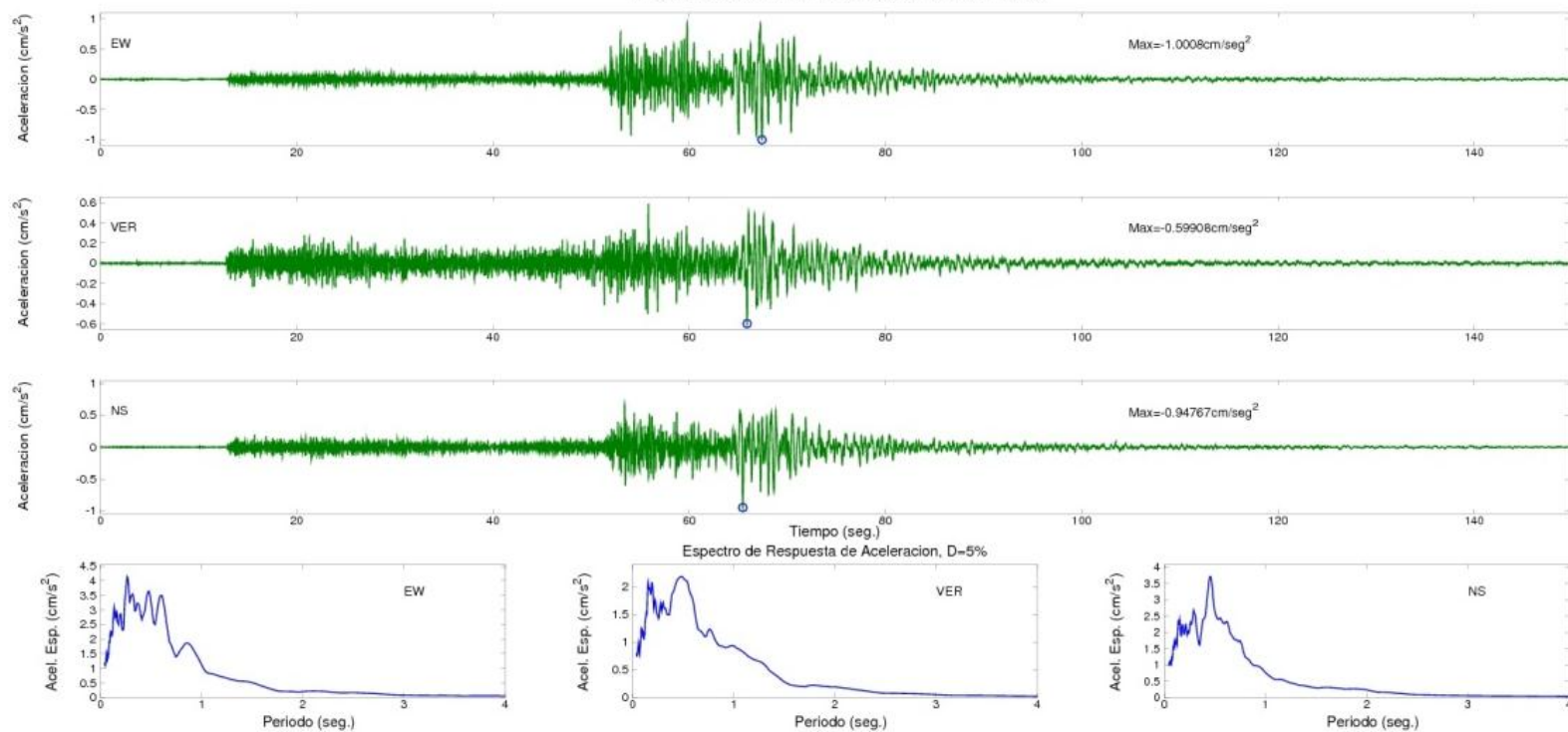
SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:MANIZALES, INGEOMINAS Geol:SUELO Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 310.233 km, DISTANCIA HIPOCENTRAL: 346.264 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion: IBAGUE, INGEOMINAS Geol: SUELO Topo: ONDULADA
 LATITUD DEL EVENTO (GRADOS): 6.792 N, LONGITUD DEL EVENTO (GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 349.487 km, DISTANCIA HIPOCENTRAL: 381.832 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:ESTACION SISMOLOGICA Geol:ROCA Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 416.964 km, DISTANCIA HIPOCENTRAL: 444.425 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

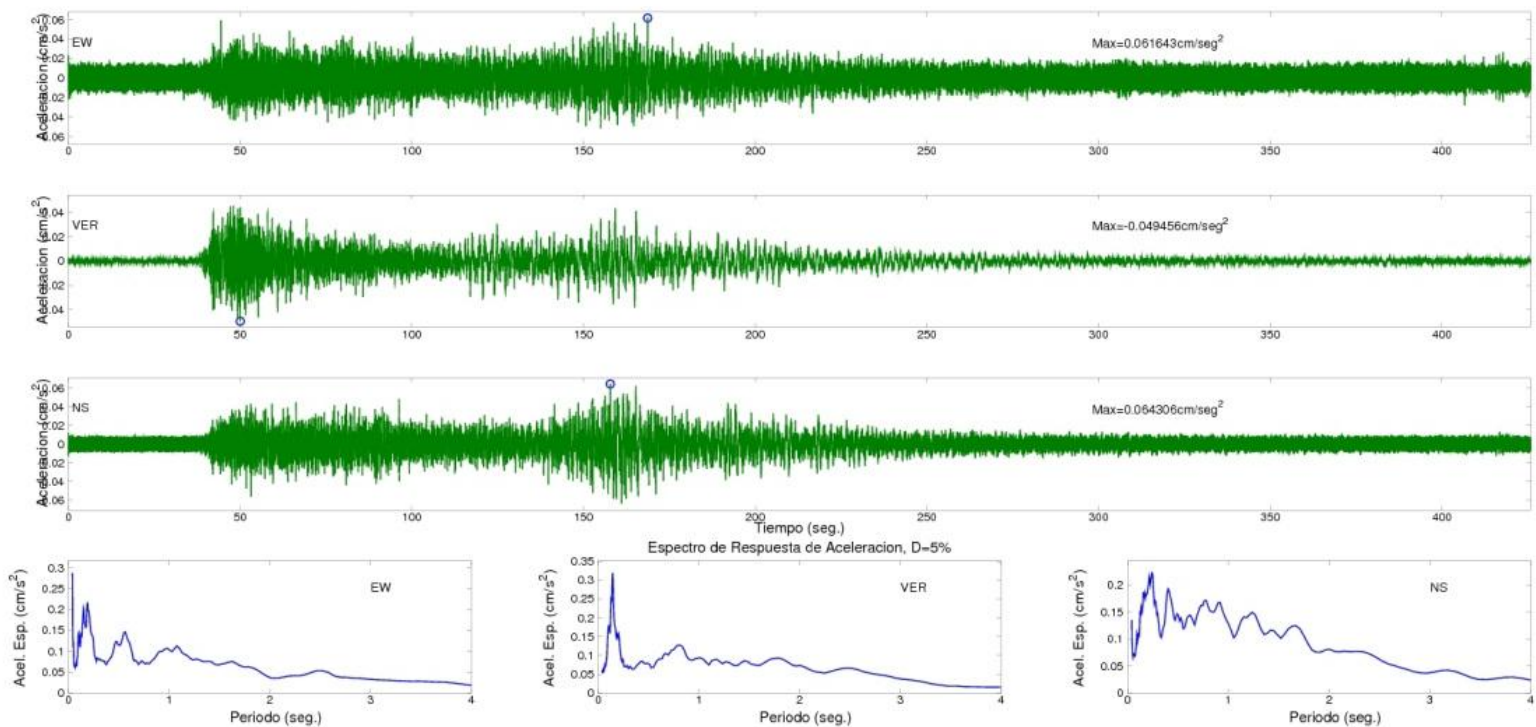
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Estacion:YOTOCO, VALLE Geol:ROCA Topo:ONDULADA

LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 473.555 km, DISTANCIA HIPOCENTRAL: 497.904 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

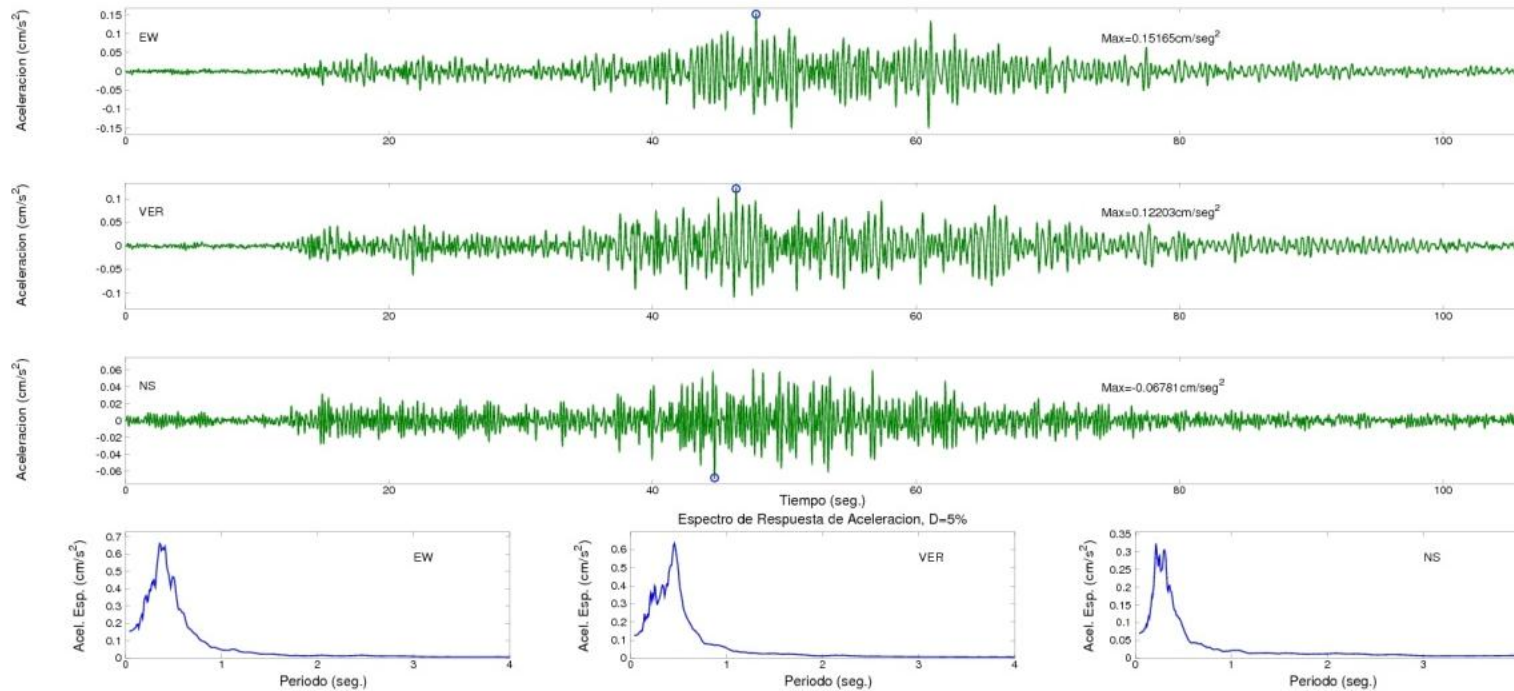
SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7

Estacion:CALI Geol:SUELO Topo:PLANA

LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 534.921 km, DISTANCIA HIPOCENTRAL: 556.592 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

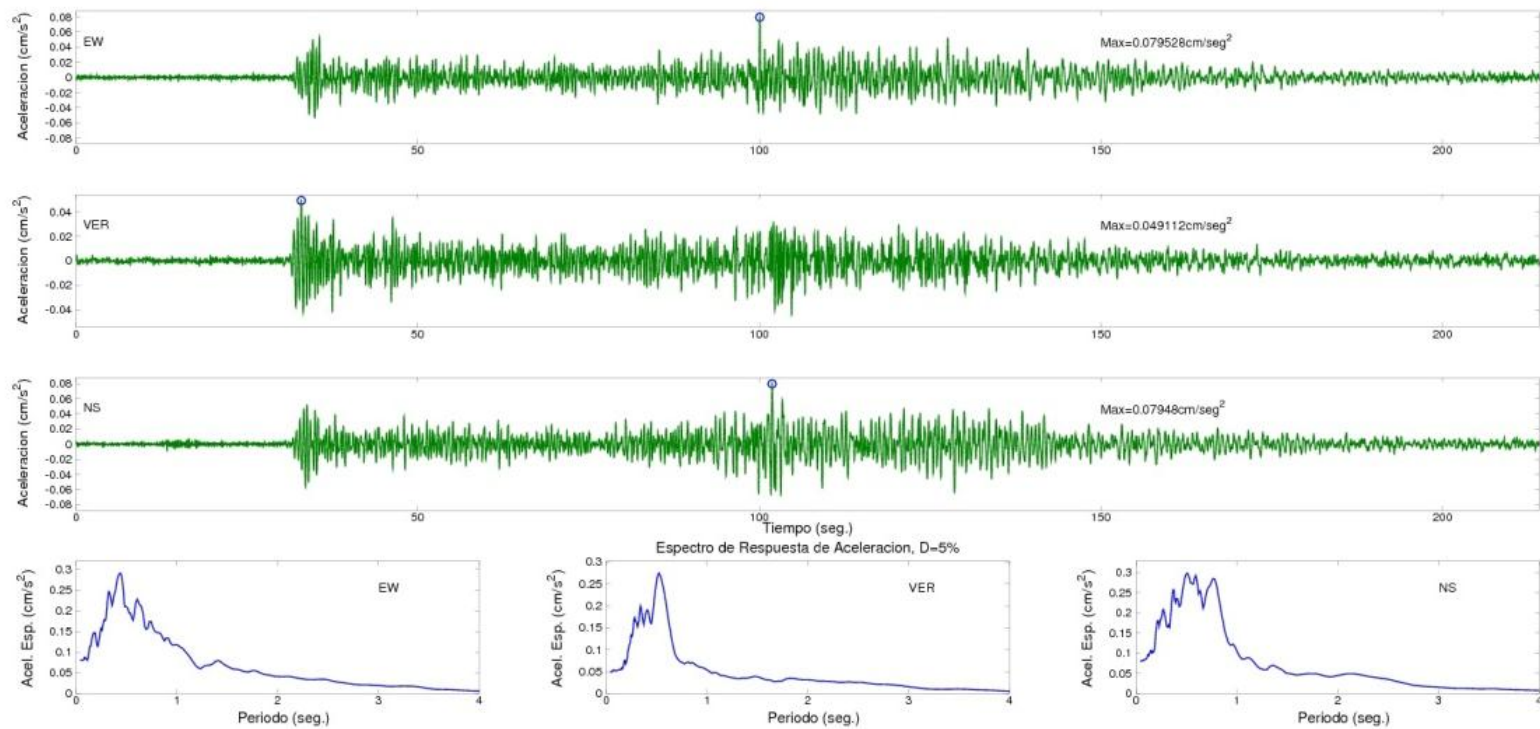
SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7

Estacion:GABRIELA MISTRAL Geol:SUELO Topo:PLANA

LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 613.341 km, DISTANCIA HIPOCENTRAL: 632.33 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

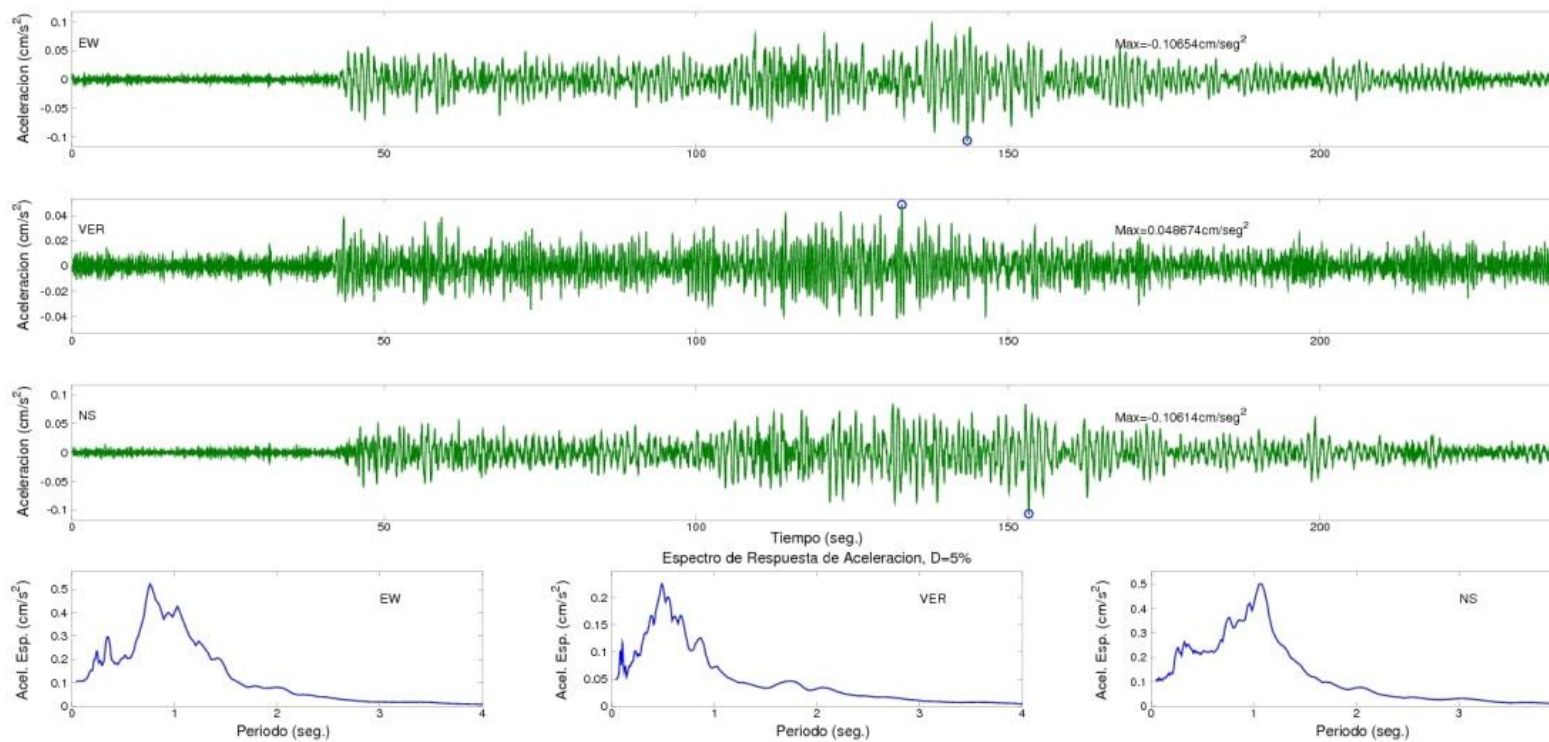
SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7

Estacion: INVIAS Geol: SUELO Topo: PLANA

LATITUD DEL EVENTO (GRADOS): 6.792 N, LONGITUD DEL EVENTO (GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 615.628 km, DISTANCIA HIPOCENTRAL: 634.549 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

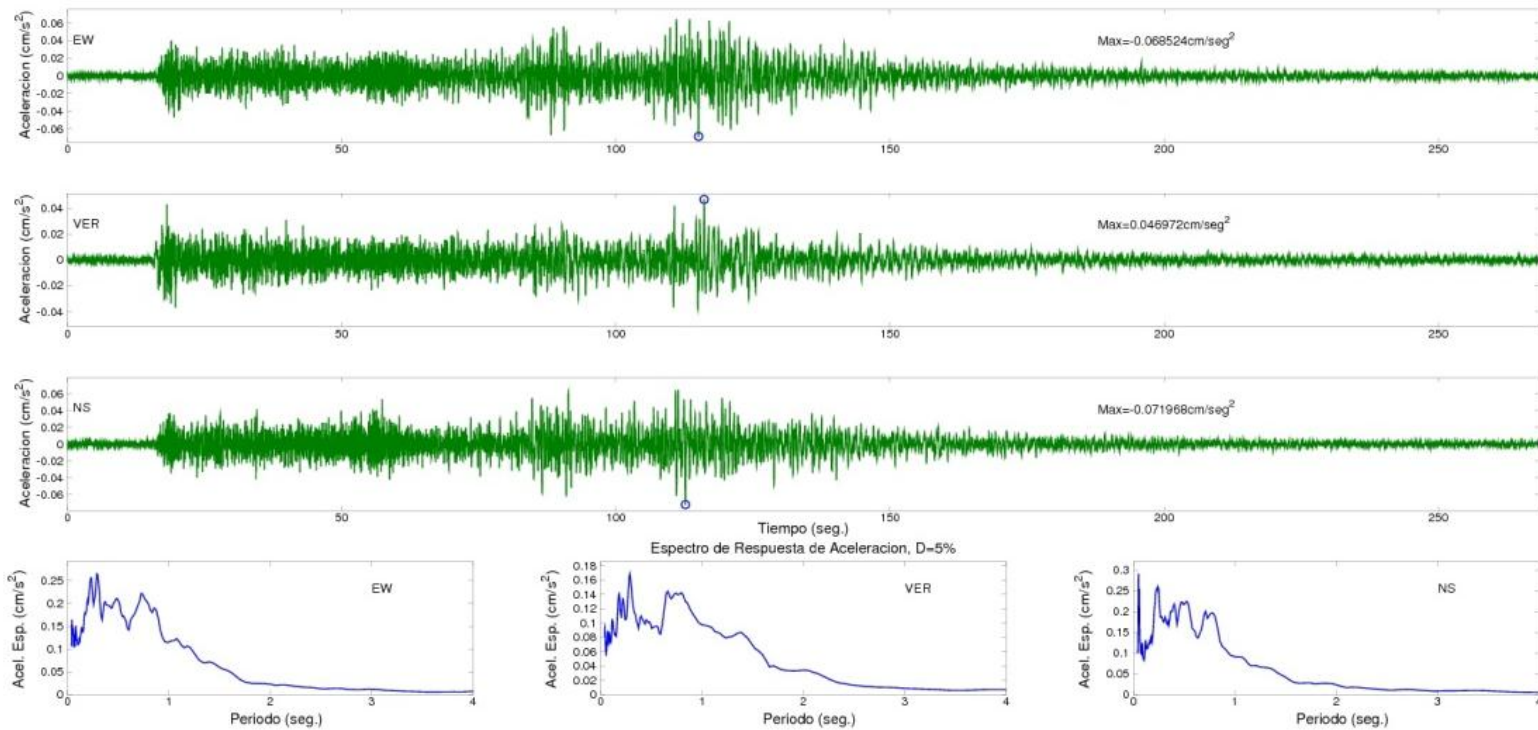
SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7

Estacion:FLORENCIA Geol:ROCA Topo:ONDULADA

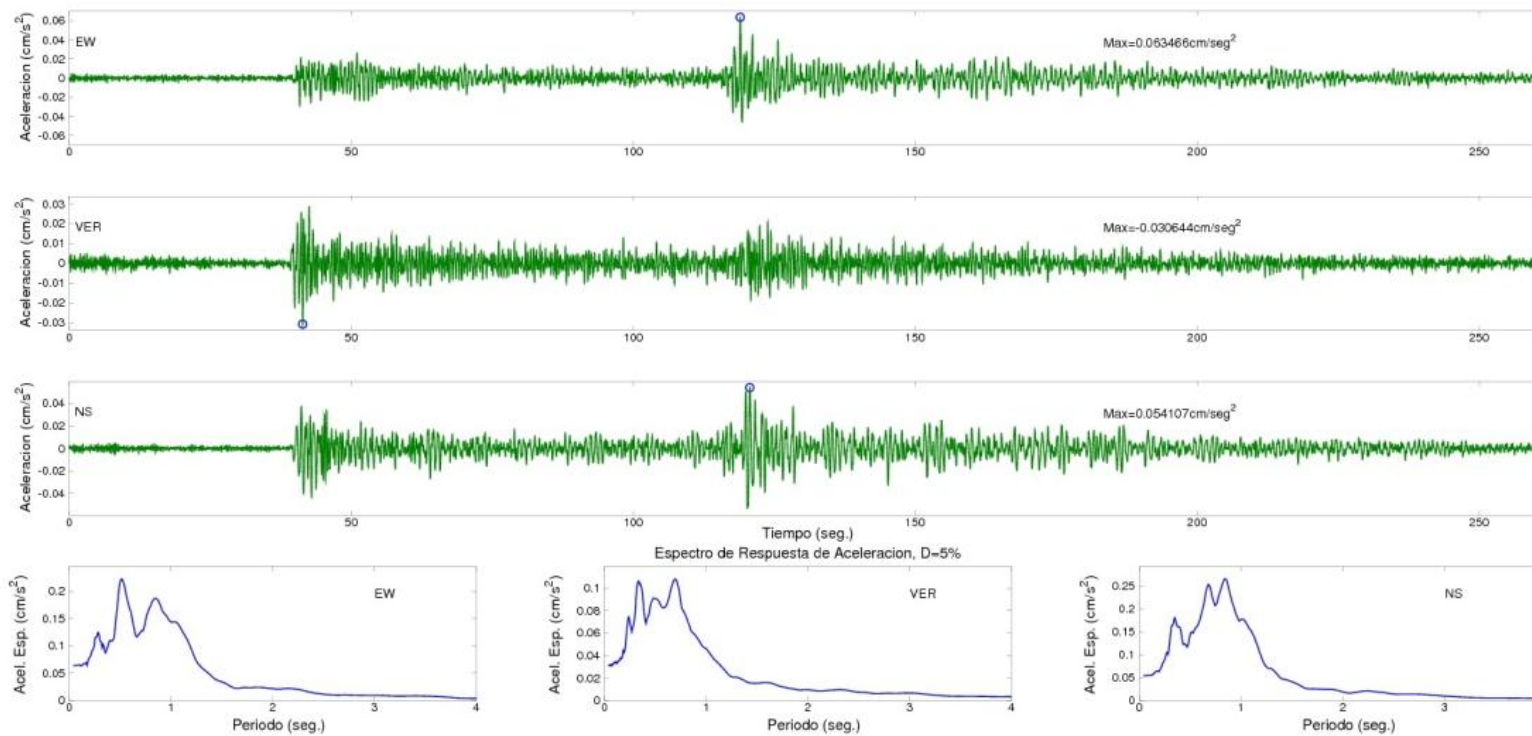
LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8

DISTANCIA EPICENTRAL: 642.203 km, DISTANCIA HIPOCENTRAL: 660.363 km

REGISTROS DE ACELERACION CORREGIDA



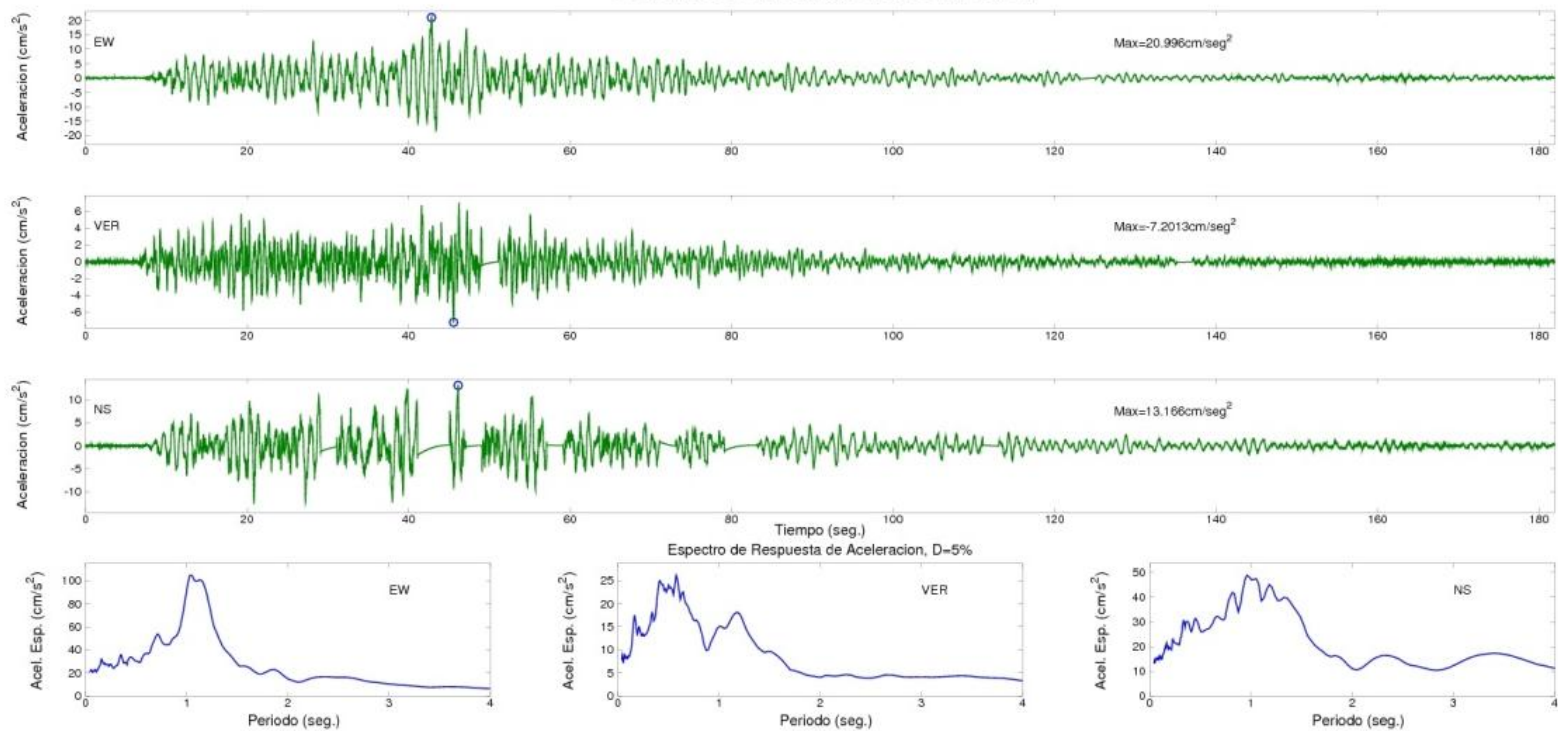
SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LOS SANTOS (SANTANDER) 2012/02/24 13:43:17 ML=5.7
 Estacion:CORPONARINO Geol:ROCA Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 6.792 N, LONGITUD DEL EVENTO(GRADOS): -73.134 E, PROFUNDIDAD DEL EVENTO (Km): 153.8
 DISTANCIA EPICENTRAL: 768.916 km, DISTANCIA HIPOCENTRAL: 784.147 km
 REGISTROS DE ACELERACION CORREGIDA



Anexo 4

**Acelerogramas y espectros de respuesta del Sismo de
La Vega (Cauca), ocurrido el 30 de Septiembre de 2012.**

SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:POPAYAN, INVIAS Geol:SUELO Topo:PLANA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 54.111 km, DISTANCIA HIPOCENTRAL: 180.311 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

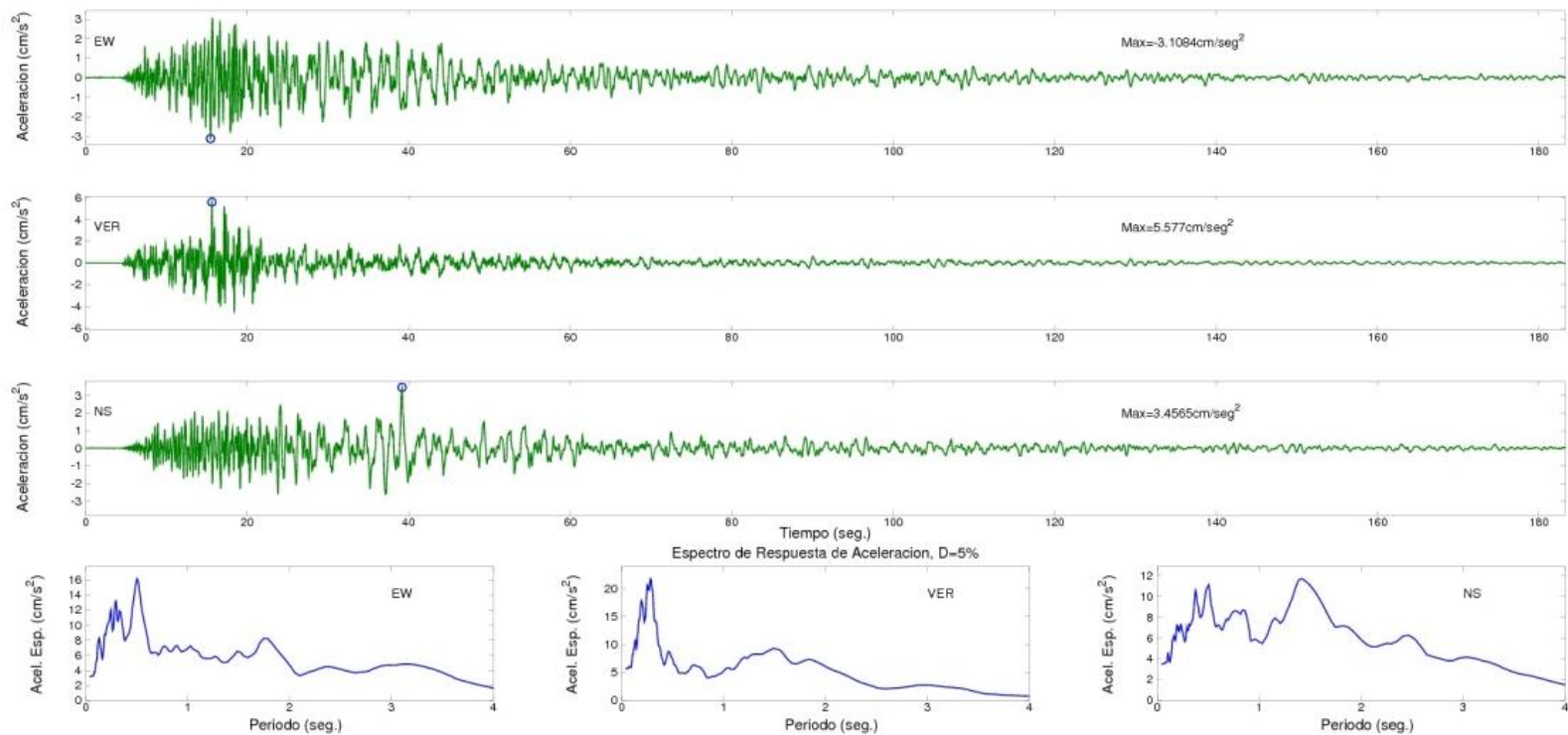
SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4

Estacion:FLORENCIA Geol:ROCA Topo:ONDULADA

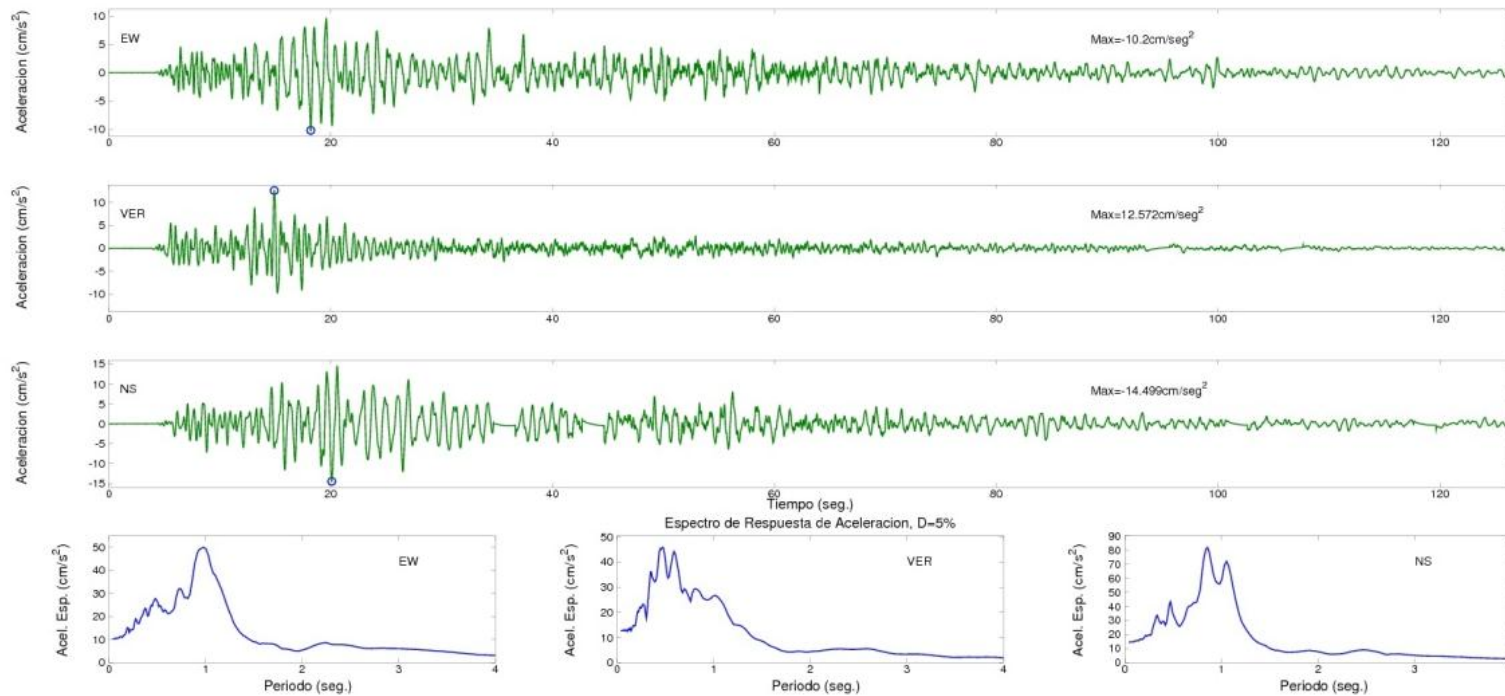
LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172

DISTANCIA EPICENTRAL: 108.992 km, DISTANCIA HIPOCENTRAL: 203.625 km

REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:PASTO, CORPONARINO Geol:ROCA Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 113.511 km, DISTANCIA HIPOCENTRAL: 206.079 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

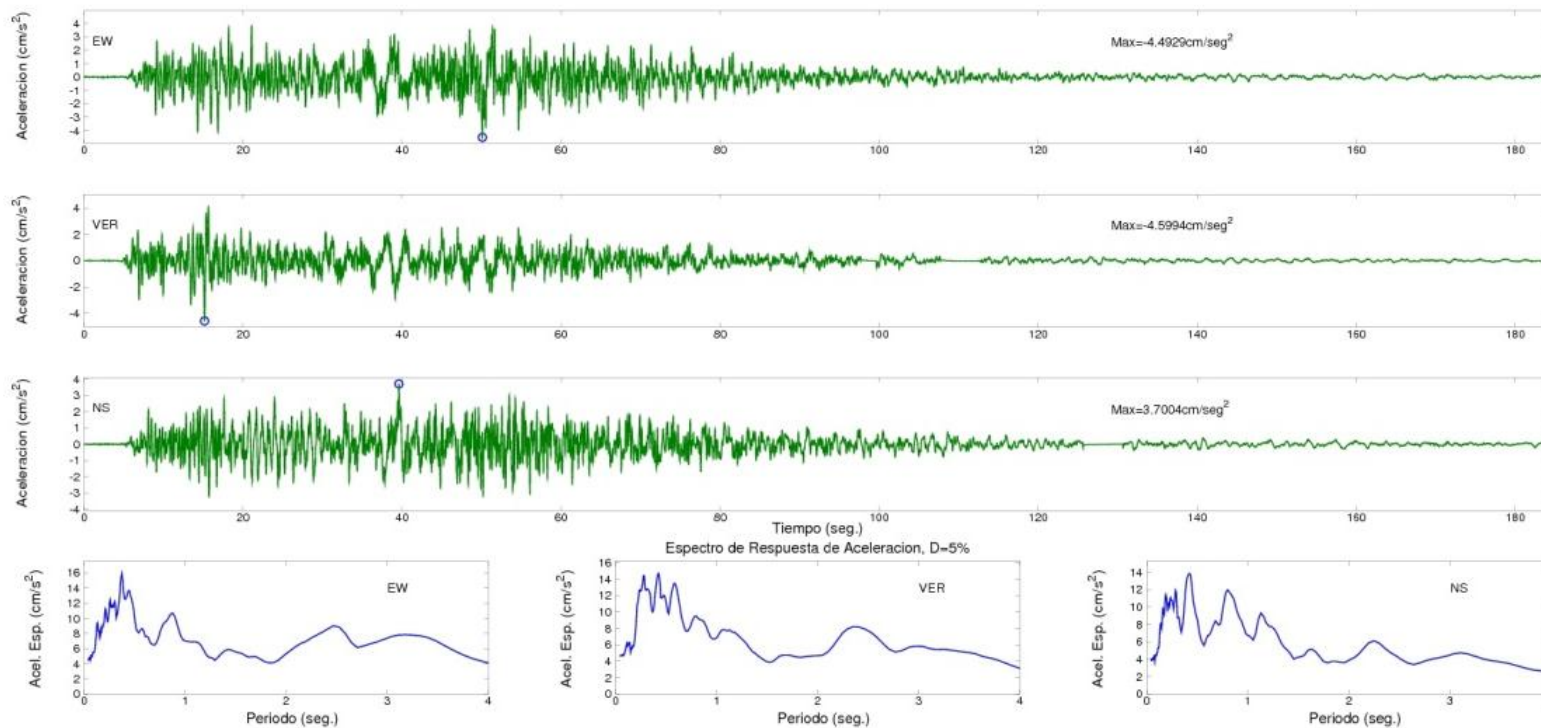
SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4

Estacion:CUFINO Geol:LAVA Topo:ONDULADA

LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172

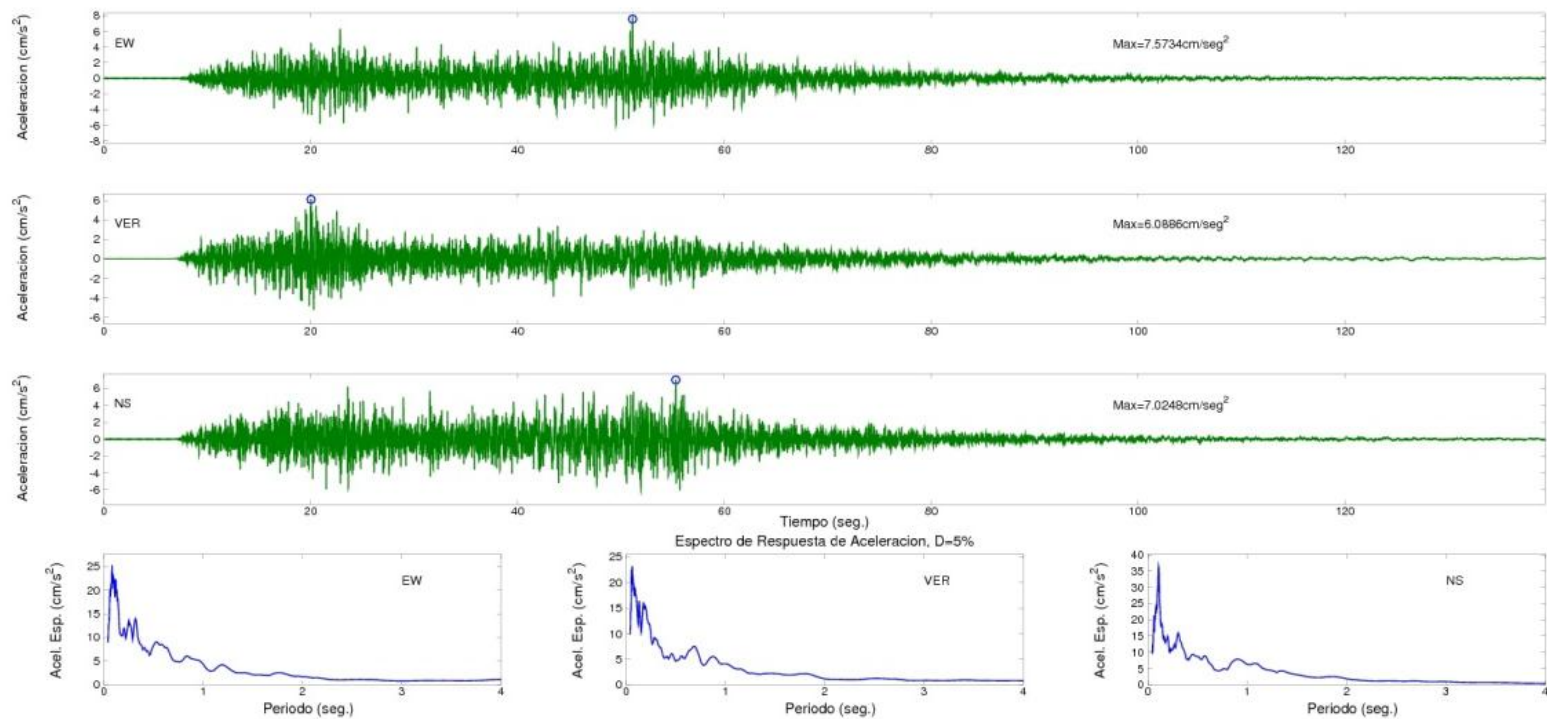
DISTANCIA EPICENTRAL: 120.443 km, DISTANCIA HIPOCENTRAL: 209.977 km

REGISTROS DE ACELERACION CORREGIDA

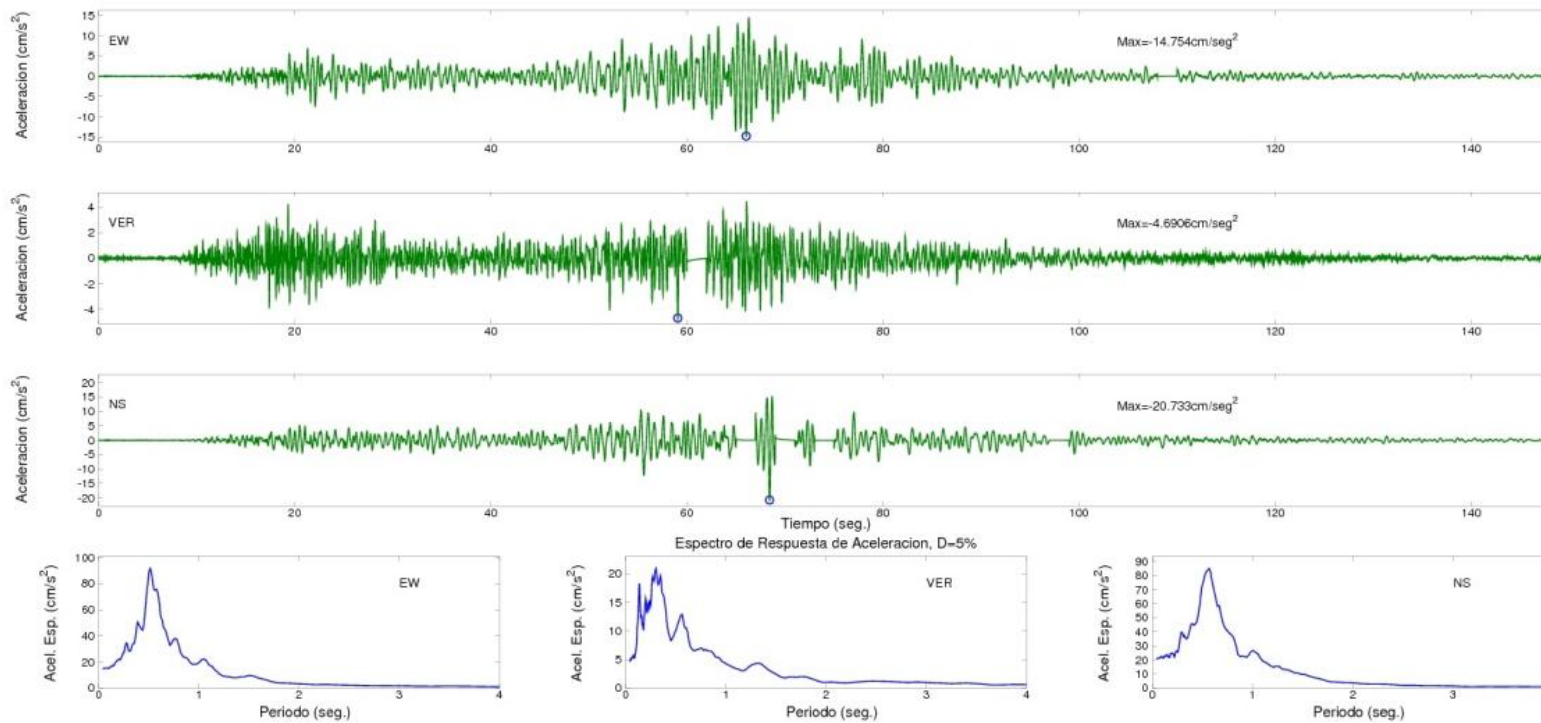


SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:YOTOCO, VALLE Geol:ROCA Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 224.359 km, DISTANCIA HIPOCENTRAL: 282.703 km

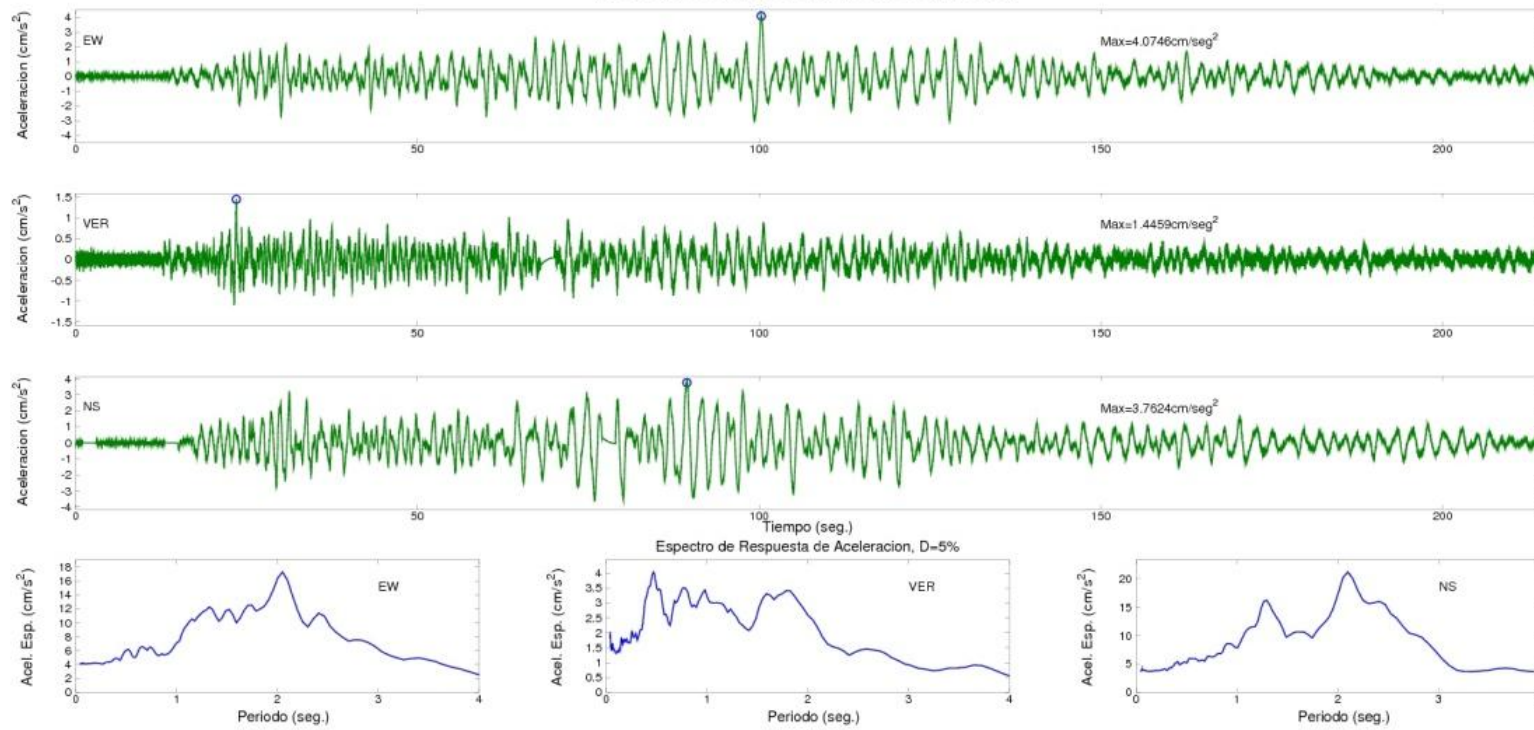
REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:MANIZALES, SGC Geol:SUELO Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 367.684 km, DISTANCIA HIPOCENTRAL: 405.926 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:BOGOTA, SGC Geol:SUELO Topo:PLANA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 404.179 km, DISTANCIA HIPOCENTRAL: 439.255 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

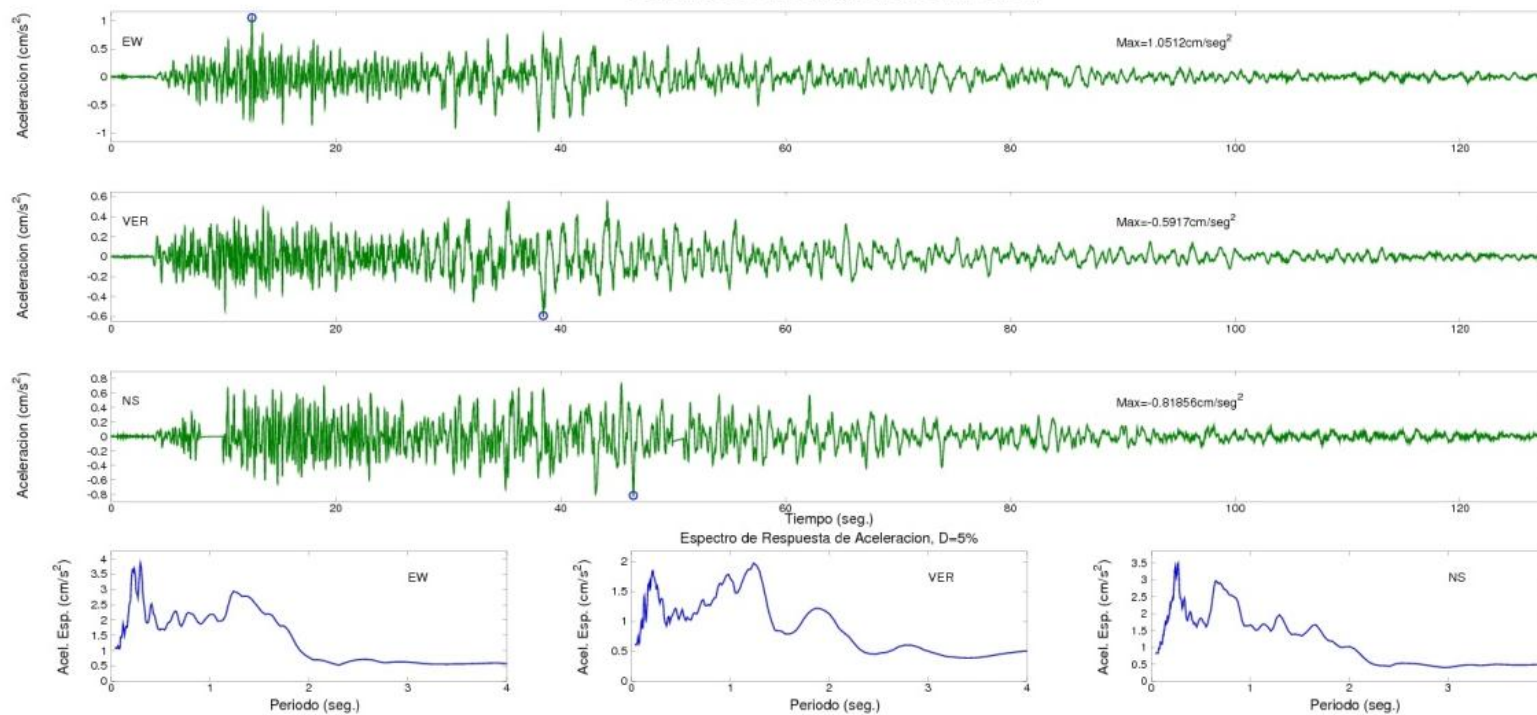
SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4

Estacion:EL ROSAL Geol:ROCA Topo:ONDULADA

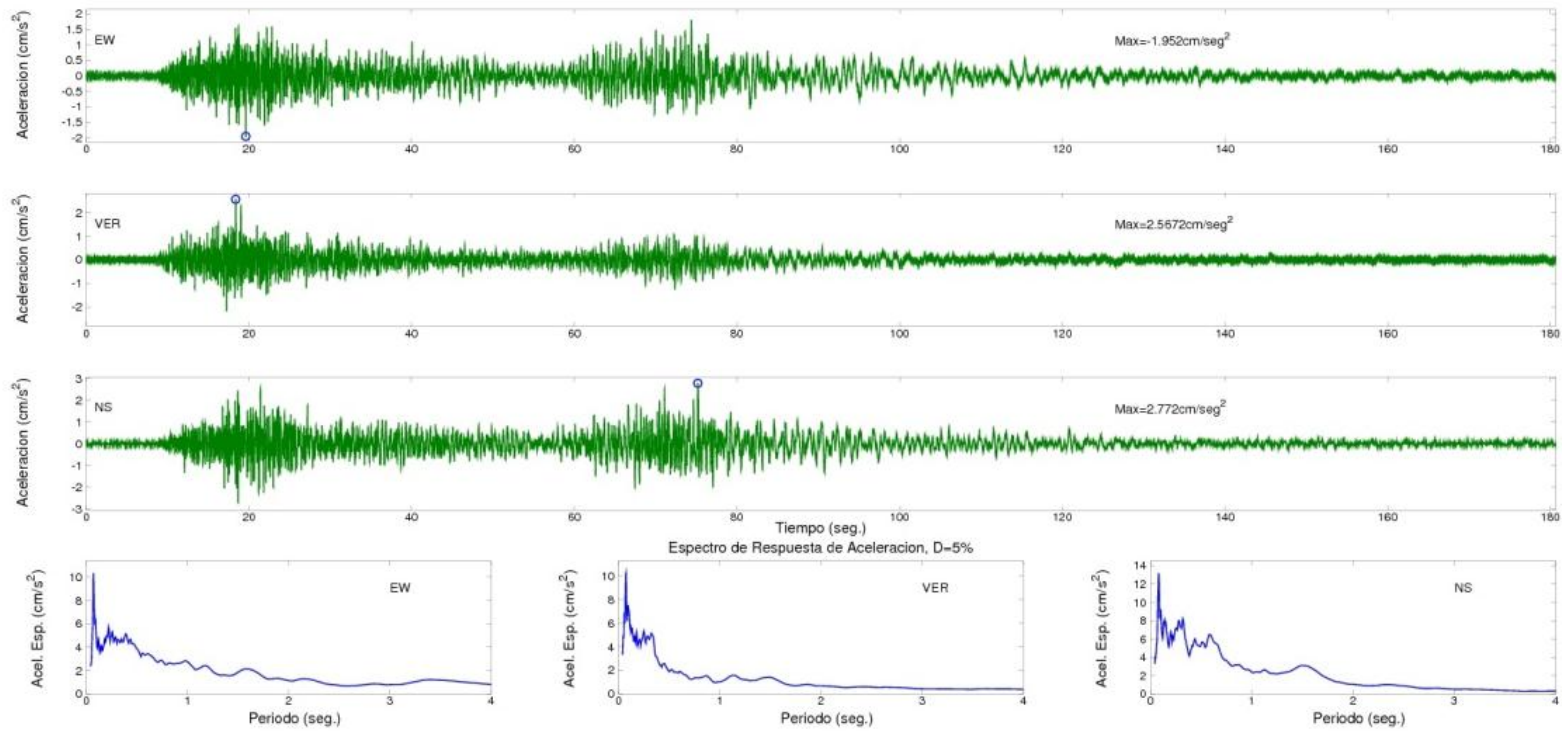
LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172

DISTANCIA EPICENTRAL: 404.348 km, DISTANCIA HIPOCENTRAL: 439.41 km

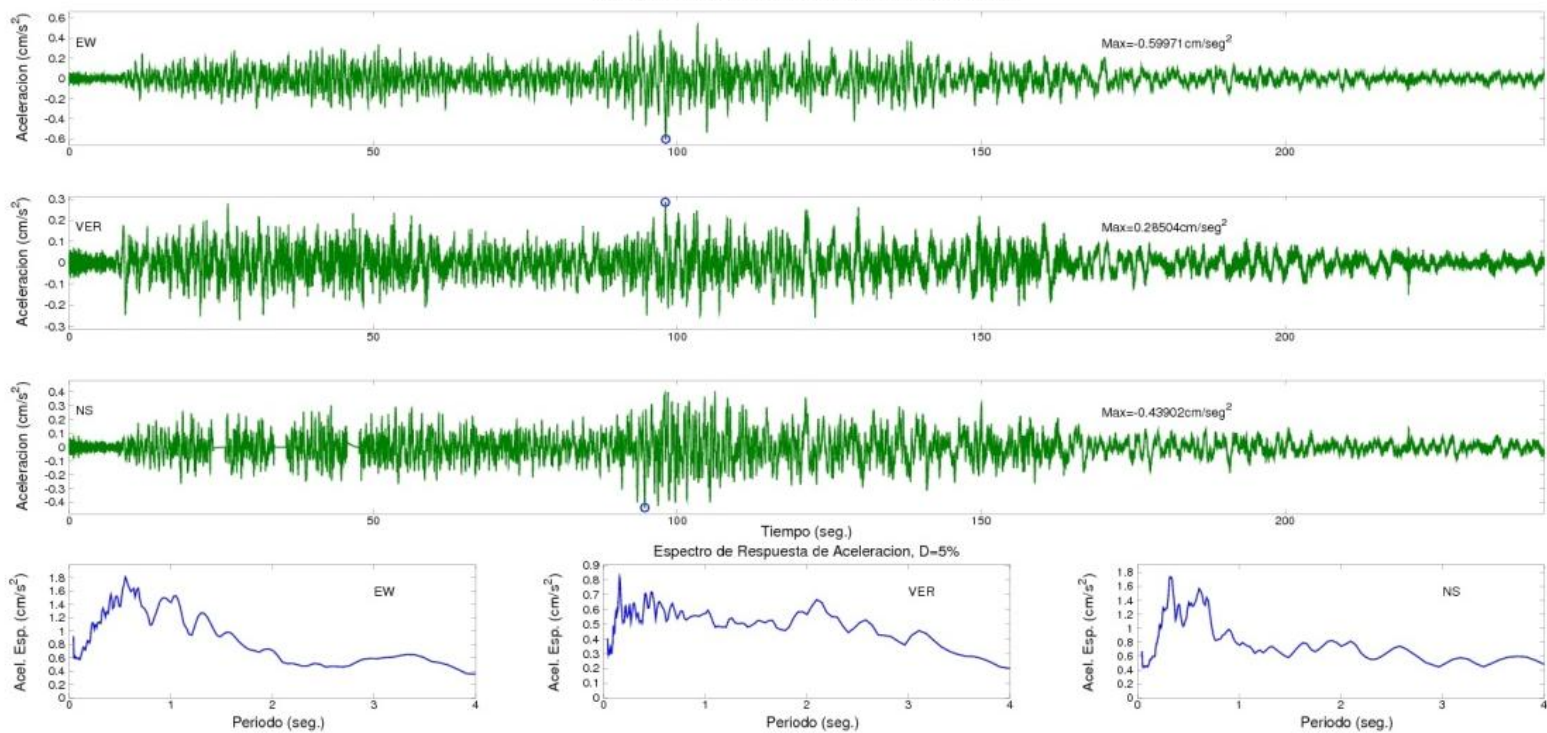
REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:BAHIA SOLANO Geol:SUELO Topo:PLANA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 481.441 km, DISTANCIA HIPOCENTRAL: 511.243 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA
 SISMO DE LA VEGA (CAUCA) 2012/09/30 16:31:34 ML=6.4
 Estacion:CUCUTA, SANTO DOMINGO Geol:ROCA Topo:ONDULADA
 LATITUD DEL EVENTO(GRADOS): 1.973 N, LONGITUD DEL EVENTO(GRADOS): -76.558 E, PROFUNDIDAD DEL EVENTO (Km): 172
 DISTANCIA EPICENTRAL: 794.411 km, DISTANCIA HIPOCENTRAL: 812.818 km
 REGISTROS DE ACELERACION CORREGIDA



SERVICIO GEOLOGICO COLOMBIANO- RED NACIONAL DE ACELEROGRAFOS DE COLOMBIA

SISMO DE LOS SANTOS (SANTANDER) 2012/09/01 05:09:46 ML=5.3

Estacion:PROVIDENCIA Geol:ROCA Topo:ONDULADA

LATITUD DEL EVENTO(GRADOS): 6.825 N, LONGITUD DEL EVENTO(GRADOS): -73.158 E, PROFUNDIDAD DEL EVENTO (Km): 154

DISTANCIA EPICENTRAL: 1373.517 km, DISTANCIA HIPOCENTRAL: 1384.245 km

REGISTROS DE ACELERACION CORREGIDA

