

Table 1: Type III SRBs observed by e-CALLISTO network, Kigali station.

N ^o	Type III bursts				Soft X-ray flares					CME
	Date yyyy/mm/dd	Start (UT)	Frequency (MHz) Start Stop		Start (UT)	End (UT)	Location position	Class	ARs	Onset (UT)
1	2014/10/30	10:00:00	80.9	45	09:54	10:06	S12W92	M1.2	2192	....
2	2014/10/31	08:22:35	80.9	45	08:21	08:29	S05E59	C2.3	2201	08:24
3	2014/10/31	09:21:00	80.9	45	09:19	09:27	S02E59	C2.0	2201	09:24
4	2014/11/01	10:22:47	78.0	45	10:20	10:30	S05E47	C4.1	2201	....
5	2014/11/02	09:44:00	80.9	45	09:20	10:36	S12W92	C4.5	2192	10:00
6	2014/11/03	04:51:00	77.0	45	04:50	04:56	S03E18	C1.4	2201	....
7	2014/11/03	06:55:30	72.0	45	.....	.....	.....	....	....	....
8	2014/11/03	06:58:00	65.0	45	.....	.....	.....	....	....	....
9	2014/11/03	07:05:00	67.0	45	.....	.....	.....	....	....	....
10	2014/11/03	07:08:55	64.0	45	.....	.....	.....	....	....	....
11	2014/11/03	07:10:00	65.0	45	.....	.....	.....	....	....	....
12	2014/11/03	07:11:53	73.0	45	.....	.....	.....	....	....	....
13	2014/11/03	07:13:55	65.0	45	.....	.....	.....	....	....	....
14	2014/11/03	07:20:10	73.0	45	.....	.....	.....	....	....	....
15	2014/11/03	09:19:56	64.0	45	.....	.....	.....	....	....	....
16	2014/11/03	09:30:30	73.0	45	.....	.....	.....	....	....	....
17	2014/11/03	10:04:10	60.0	45	.....	.....	.....	....	....	....
18	2014/11/08	08:34:58	65.0	45	.....	.....	.....	....	....	....
19	2014/11/09	11:04:00	80.9	45	.....	.....	.....	....	....	11:00
20	2014/11/18	09:24:50	78.0	56	.....	.....	.....	....	....	....
21	2014/11/23	09:28:25	72.0	45	.....	.....	.....	....	....	....
22	2014/11/25	07:22:45	74.0	45	.....	.....	.....	....	....	....
23	2014/11/30	08:42:54	80.9	45	.....	.....	.....	....	....	....
24	2014/12/02	06:44:35	80.9	45	.....	.....	.....	....	....	....
25	2014/12/02	08:04:57	72.0	45	07:58	08:10	S16W40	C5.2	2217	....
26	2014/12/02	10:37:45	71.0	45	.....	.....	.....	....	....	....
27	2014/12/07	10:26:30	72.0	45	.....	.....	.....	....	....	....
28	2014/12/09	08:58:45	80.9	45	08:22	08:40	S14E31	C8.1	2230	....
29	2014/12/14	04:28:15	75.0	45	04:17	04:41	S11E74	C8.6	2241	04:24
30	2014/12/14	04:31:50	73.0	45	04:17	04:41	S11E74	C8.6	2241	04:24
31	2014/12/14	08:26:10	80.9	45	08:25	08:37	S18E49	C8.5	2237	08:36
32	2014/12/14	10:13:00	75.0	45	.....	.....	.....	....	....	....
33	2014/12/17	04:49:00	58.0	44	04:25	05:20	S11E33	M8.7	2241	05:12
34	2014/12/21	11:31:55	80.9	45	11:24	12:57	S11W34	M1.0	2241	12:06
35	2014/12/21	11:38:00	80.9	45	11:24	12:57	S11W34	M1.0	2241	12:06
36	2014/12/31	09:16:50	73.0	45	09:01	09:07	S06E58	C1.2	2253	....
37	2015/01/05	11:24:55	68.0	45	.....	.....	.....	....	....	....
38	2015/01/07	11:05:00	76.0	45	11:43	12:01	S09W35	C4.3	2253	12:24
39	2015/01/14	06:48:30	80.0	45	06:31	06:39	N08W89	C1.8	2257	07:12
40	2015/01/14	09:55:58	68.0	45	09:17	09:52	N08W89	C5.2	2257	09:36
41	2015/01/14	10:13:38	76.0	45	.....	.....	.....	....	....	10:00
42	2015/01/14	10:37:45	80.9	45	10:38	10:51	S15W03	C1.9	2259	10:48
43	2015/01/15	09:35:00	80.9	45	09:12
44	2015/01/16	08:44:50	80.9	45

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	Date yyyy/mm/dd	Start (UT)	Frequency (MHz) Start Stop		Start (UT)	End (UT)	Location position	Class	ARs	Onset (UT)
45	2015/01/16	08:47:37	80.9	45	.....	.....	.....	.....	....	....
46	2015/01/20	09:47:15	80.9	45	09:46	09:51	S14W84	B8.2	....	09:48
47	2015/02/06	09:50:00	78.0	54	.....	.....	.....	.....	....	....
48	2015/02/11	08:39:47	80.9	45	.....	.....	.....	.....	....	08:24
49	2015/02/21	11:29:55	76.0	45	.....	.....	.....	.....	....	11:00
50	2015/03/10	06:48:56	75.0	45	06:47	06:53	S16E39	C1.4	2297	....
51	2015/03/10	07:21:50	78.0	45	07:18	07:29	S15E37	C2.7	2297	08:00
52	2015/03/10	07:22:56	73.0	45	07:18	07:29	S15E37	C2.7	2297	08:00
53	2015/03/10	07:25:27	80.0	45	07:18	07:29	S15E37	C2.7	2297	08:00
54	2015/03/10	08:51:00	80.9	45	.....	.....	.....	.....	....	....
55	2015/03/10	09:08:00	80.9	45	.....	.....	.....	.....	....	....
56	2015/03/10	10:12:13	74.0	45	.....	.....	.....	.....	....	09:36
57	2015/03/10	10:15:58	75.0	45	.....	.....	.....	.....	....	09:36
58	2015/03/10	10:18:05	73.0	45	.....	.....	.....	.....	....	09:36
59	2015/03/10	11:40:12	80.9	45	.....	.....	.....	.....	....	11:36
60	2015/03/12	11:25:52	80.9	45	.....	.....	.....	.....	....	11:12
61	2015/03/12	11:30:37	80.9	45	.....	.....	.....	.....	....	11:12
62	2015/03/13	05:56:21	71.0	45	05:49	06:12	S16W13	M1.8	2297	06:12
63	2015/03/15	09:21:27	80.9	45	.....	.....	.....	.....	....	....
64	2015/03/15	11:49:57	80.9	45	11:31	12:20	S21W25	C6.8	2297	12:12
65	2015/03/25	06:40:58	74.0	45	.....	.....	.....	.....	....	....
66	2015/03/25	08:46:54	80.9	45	.....	.....	.....	.....	....	....
67	2015/03/25	09:24:27	80.9	45	.....	.....	.....	.....	....	....
68	2015/04/10	08:00:32	80.9	45	07:57	08:06	S15W28	C7.9	2320	08:24
69	2015/04/10	08:12:28	80.9	45	08:11	08:18	S15W28	C2.9	2320	08:24
70	2015/04/11	08:48:26	80.9	45	.....	.....	.....	.....	....	08:24
71	2015/04/11	09:43:18	80.9	45	09:41	09:46	N16E46	B8.7	2321	10:36
72	2015/04/12	09:04:32	80.9	45	08:51	10:44	N10E66	M1.1	2321	09:36
73	2015/04/12	09:22:30	78.0	45	08:51	10:44	N10E66	M1.1	2321	09:36
74	2015/04/13	06:39:48	80.9	45	06:35	06:45	N16E52	C1.6	2321	06:48
75	2015/04/13	06:42:28	78.0	45	06:35	06:45	N16E52	C1.6	2321	06:48
76	2015/04/13	06:44:13	80.9	45	06:35	06:45	N16E52	C1.6	2321	06:48
77	2015/04/13	07:56:20	80.9	45	.....	.....	.....	.....	....	07:48
78	2015/04/13	08:08:48	80.9	45	.....	.....	.....	.....	....	08:12
79	2015/04/13	08:45:57	80.9	45	.....	.....	.....	.....	....	....
80	2015/04/13	09:10:00	80.9	45	.....	.....	.....	.....	....	....
81	2015/04/13	10:07:47	74.0	45	10:06	10:14	S16W73	C1.9	2320	....
82	2015/04/13	10:12:00	80.9	45	10:06	10:14	S16W73	C1.9	2320	....
83	2015/04/13	11:33:48	79.0	45	11:28	11:39	N13E59	C2.3	2320	....
84	2015/04/13	12:46:27	80.9	45	.....	.....	.....	.....	....	....
85	2015/04/15	13:20:30	80.9	45	.....	.....	.....	.....	....	....
86	2015/04/15	13:21:47	80.9	45	.....	.....	.....	.....	....	....
87	2015/04/16	07:28:38	80.9	45	07:12
88	2015/04/16	11:55:25	80.9	45	11:17	11:30	N13E09	C2.3	2321	12:12

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	Date yyyy/mm/dd	Start (UT)	Frequency (MHz) Start Stop		Start (UT)	End (UT)	Location position	Class	ARs	Onset (UT)
89	2015/04/23	08:32:56	62.0	45	.....	.....	.....	.....	....	08:12
90	2015/05/06	11:47:50	80.9	45	11:45	11:51	N17E67	M1.9	2339	12:00
91	2015/05/08	07:38:57	80.9	45	.....	.....	.....	.....	....	....
92	2015/05/08	08:03:00	80.9	45	08:00	08:13	N16E72	C1.5	....	08:12
93	2015/05/09	05:31:27	80.9	45	.....	.....	.....	.....	....	04:48
94	2015/05/09	05:41:23	80.9	45	.....	.....	.....	.....	....	04:48
95	2015/05/12	11:48:56	80.9	45	11:45	11:56	N06W05	C3.0	2339	12:24
96	2015/05/13	08:00:23	80.9	45	.....	.....	.....	.....	....	07:36
97	2015/05/14	07:28:56	80.9	45	06:52	07:36	N07W46	C2.5	2339	....
98	2015/05/14	08:59:27	80.9	45	.....	.....	.....	.....	....	08:36
99	2015/05/15	05:24:27	80.9	45	05:22	05:28	N09W53	C1.1	2339	....
100	2015/05/15	12:04:25	80.0	45	.....	.....	.....	.....	....	....
101	2015/05/16	11:17:58	63.0	45	.....	.....	.....	.....	....	10:36
102	2015/06/11	09:16:00	80.9	45	.....	.....	.....	.....	....	09:12
103	2015/06/12	08:50:28	80.9	45	.....	.....	.....	.....	....	....
104	2015/06/12	09:15:52	80.9	45	.....	.....	.....	.....	....	09:12
105	2015/06/15	05:13:54	80.9	48	.....	.....	.....	.....	....	....
106	2015/06/15	10:07:27	72.0	45	.....	.....	.....	.....	....	....
107	2015/06/18	04:26:51	78.0	45	.....	.....	.....	.....	....	04:12
108	2015/06/18	13:12:55	67.0	45	13:05	13:15	N12E47	C3.5	2371	14:00
109	2015/06/23	07:24:48	78.0	45	.....	.....	.....	.....	....	....
110	2015/06/23	10:29:12	80.9	45	.....	.....	.....	.....	....	....
111	2015/06/23	10:55:56	76.0	45	.....	.....	.....	.....	....	....
112	2015/06/23	10:58:56	80.9	45	.....	.....	.....	.....	....	....
113	2015/06/23	12:57:00	80.9	45	.....	.....	.....	.....	....	12:48
114	2015/06/25	08:52:13	65.0	45	08:02	09:05	N09W42	M7.9	2371	08:36
115	2015/06/29	07:33:18	80.9	45	07:33	07:43	N14E83	B9.7	2373	....
116	2015/07/09	08:33:59	75.0	45	.....	.....	.....	.....	....	....
117	2015/07/09	08:38:22	73.0	45	.....	.....	.....	.....	....	....
118	2015/07/09	09:08:18	72.0	45	.....	.....	.....	.....	....	....
119	2015/07/09	09:19:47	80.9	45	.....	.....	.....	.....	....	....
120	2015/07/09	10:06:19	72.5	45	.....	.....	.....	.....	....	....
121	2015/07/09	10:09:30	80.9	45	.....	.....	.....	.....	....	....
122	2015/07/09	11:00:50	80.9	45	.....	.....	.....	.....	....	....
123	2015/07/09	12:10:17	72.0	45	.....	.....	.....	.....	....	....
124	2015/07/09	13:05:32	80.9	45	.....	.....	.....	.....	....	....
125	2015/07/10	05:58:13	80.9	45	.....	.....	.....	.....	....	....
126	2015/07/10	05:59:27	80.9	45	.....	.....	.....	.....	....	....
127	2015/07/10	08:23:30	72.5	45	.....	.....	.....	.....	....	....
128	2015/07/10	12:24:28	70.0	45	.....	.....	.....	.....	....	11:48
129	2015/07/14	05:02:31	80.9	45	04:47	09:19	N16W57	B9.0	2381	....
130	2015/07/14	05:12:44	80.9	45	04:47	09:19	N16W57	B9.0	2381	....
131	2015/07/14	06:37:35	76.0	45	04:47	09:19	N16W57	B9.0	2381
132	2015/07/14	09:20:35	80.9	45	09:20	09:27	N15W59	C1.0	2381

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	Date yyyy/mm/dd	Start (UT)	Frequency (MHz) Start Stop		Start (UT)	End (UT)	Location position	Class	ARs	Onset (UT)
133	2015/07/14	09:22:00	80.9	45	09:20	09:27	N15W59	C1.0	2381	....
134	2015/07/14	09:24:00	70.0	45	09:20	09:27	N15W59	C1.0	2381	....
135	2015/07/14	09:51:51	80.9	45	.....	.....	.....	.....	....	....
136	2015/07/14	09:52:59	80.9	45	.....	.....	.....	.....	....	....
137	2015/07/14	13:19:00	80.9	45	.....	.....	.....	.....	....	12:48
138	2015/07/14	13:20:35	80.9	45	.....	.....	.....	.....	....	12:48
139	2015/07/17	08:31:40	67.0	45	.....	.....	.....	.....	....	....
140	2015/08/08	07:53:08	80.9	45	.....	.....	.....	.....	....	....
141	2015/08/08	13:36:00	80.9	45	.....	.....	.....	.....	....	....
142	2015/08/10	06:07:56	75.5	45	06:04	06:12	S21W31	B8.2	2396	06:36
143	2015/08/10	08:39:46	72.0	45	.....	.....	.....	.....	....	....
144	2015/08/10	09:08:53	80.9	45	09:07	09:13	S18W37	B7.6	2396	10:00
145	2015/08/23	07:52:27	80.9	45	.....	.....	.....	.....	....	07:48
146	2015/08/23	09:56:30	80.9	45	09:53	09:58	S14W05	B9.7	2403	....
147	2015/08/24	05:10:00	80.9	45	.....	.....	.....	.....	....	....
148	2015/08/24	05:11:55	80.9	45	.....	.....	.....	.....	....	....
149	2015/08/24	06:19:28	75.0	45	06:11	06:24	S16W02	C3.2	2403	06:24
150	2015/08/24	06:20:17	80.9	45	06:11	06:24	S16W02	C3.2	2403	06:24
151	2015/08/24	06:22:15	80.9	45	06:11	06:24	S16W02	C3.2	2403	06:24
152	2015/08/24	07:22:18	80.9	45	07:08	07:15	S15W04	C6.7	2403	07:24
153	2015/08/24	07:30:05	80.9	45	07:26	07:35	S15W04	M5.6	2403	....
154	2015/08/24	09:24:57	80.9	45	.....	.....	.....	.....	....	08:48
155	2015/08/24	09:36:17	75.5	54	.....	.....	.....	.....	....	....
156	2015/08/24	10:15:53	80.9	45	10:15	10:21	S15W05	C1.7	2403	....
157	2015/08/24	10:39:25	80.9	45	10:33	10:39	S14W10	C1.1	2403	....
158	2015/08/24	11:06:59	80.9	45	.....	.....	.....	.....	....	....
159	2015/08/24	11:08:00	80.9	45	.....	.....	.....	.....	....	....
160	2015/08/24	12:02:00	80.9	45	11:59	12:09	S14W07	C2.5	2403	12:36
161	2015/08/26	06:14:33	80.9	45	.....	.....	.....	.....	....	....
162	2015/08/26	08:15:00	80.9	45	.....	.....	.....	.....	....	....
163	2015/09/15	06:22:49	80.9	45	.....	.....	.....	.....	....	05:48
164	2015/09/15	06:59:28	78.0	45	.....	.....	.....	.....	....	06:12
165	2015/09/15	08:03:57	80.9	45	.....	.....	.....	.....	....	....
166	2015/09/16	05:24:54	75.0	45	04:20	05:58	S10W73	C1.3	2414	04:24
167	2015/09/18	05:40:00	73.0	45	04:22	07:20	S15E19	C2.6	2418	05:12
168	2015/09/18	09:03:11	80.9	45	.....	.....	.....	.....	....	....
169	2015/09/18	09:53:46	80.9	45	.....	.....	.....	.....	....	....
170	2015/09/20	07:48:10	80.9	45	.....	.....	.....	.....	....	07:12
171	2015/09/21	10:39:55	78.5	45	.....	.....	.....	.....	....	09:48
172	2015/09/25	12:57:33	71.0	45	.....	.....	.....	.....	....	....
173	2015/09/30	09:27:58	80.9	45	.....	.....	.....	.....	....	08:48
174	2015/09/30	11:04:00	80.9	50	10:49	11:13	S22W46	M1.3	2422	....
175	2015/09/30	12:41:32	80.9	45	.....	.....	.....	.....	....	....