

STEREO SEPT Solar Electron Event list

List compiled by the IMPACT/SEPT team, University of Kiel, Germany

Updated Feb 22 2018. Nominal Science coverage starts on January 17, 2007. Last data checked: Mar 14 2017

An event is defined as a significant increase in the 55-85 keV electron intensity (see onset criterion below). Candidates are checked by eye in order to discard false alerts due to instrumental background, ion contamination or events with obvious non-solar origin. Onset times are defined as the first time when the 1 minute averaged 55-85 keV electron flux exceeds the pre-event 50-min mean flux by at least 4 standard deviations and continues above that value for at least 2 consecutive intervals. In general the SUN sensor is used for onset determination, however omnidirectional flux, 3 sigma threshold and/or longer time averages are used in cases with very poor statistics. The time resolution used for onset determination is shown in column 'dt'. Those events observed by both STEREO share the same event number, which is shown in **red**.

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Intensities in 1/(cm² s sr MeV)

	Event				Onset	dt	Max (UT)	Max Int.		Link to
	Number	s/c	Doy	Date	(UT)	(min)	10 min av.	10 min av.	Remarks	browse plot
2007	1	A	023	2007-01-23	18:58	4	19:25	3.18E+02		Link
	1	B	023	2007-01-23	18:54	4	19:45	2.67E+02		Link
	2	A	024	2007-01-24	01:05	1	01:35	4.51E+02		Link
	2	B	024	2007-01-24	01:06	1	01:25	3.45E+02		Link
	3	A	024	2007-01-24	05:50	1	06:05	7.81E+02		Link
	3	B	024	2007-01-24	05:45	1	06:25	7.13E+02		Link
	4	A	139	2007-05-19	13:50	4	18:05	7.28E+02		Link
	4	B	139	2007-05-19	13:54	4	18:45	7.18E+02		Link
	5	A	140	2007-05-20	06:30	30	10:25	5.56E+02	On the decay phase of previous event	Link
	5	B	140	2007-05-20	07:00	60	11:30	3.60E+02	On the decay phase of previous event	Link
6	A	142	2007-05-22	15:45	10	19:45	1.09E+02	Inside ICME	Link	
6	B	142	2007-05-22	16:05	10	17:15	6.81E+01	Inside ICME	Link	
7	A	143	2007-05-23	08:22	1	11:25	8.97E+02	Onset during ICME. Decay during CIR (ion contamination)	Link	
7	B	143	2007-05-23	08:12	1	13:15	6.63E+02	Onset during ICME. Decay during CIR (ion contamination)	Link	
8	A	185	2007-07-04	19:55	10	21:15	1.83E+01	Very small event – very poor statistics, but seen by A and B	Link	
8	B	185	2007-07-04	19:05	10	20:25	1.88E+01	Very small event – very poor statistics, but seen by A and B	Link	
9	A	206	2007-07-25	02:45	10	03:35	2.03E+01	Very small event - poor statistics	Link	
9	B	206	2007-07-25	03:05	10	09:45	1.61E+01	Very small event - poor statistics	Link	
10	A	207	2007-07-26	02:08	5	02:15	2.59E+01	Very small event - poor statistics, Anisotropy from SUN	Link	
10	B	207	2007-07-26	02:43	5	05:05	5.54E+01	Small event - poor statistics, Anisotropy from NORTH	Link	
11	A	210	2007-07-29	02:15	10	06:55	6.08E+01	Small event	Link	
2008	12	A	096	2008-04-05	16:32	1	16:45	4.56E+02	Only in A, clear anisotropy	Link
	13	B	117	2008-04-26	15:15	10	06:15	1.77E+01	Only in B. Very small event but followed by a clear ion SEP event.	Link
	14	B	141	2008-05-20	14:03	1	14:05	5.62E+01	Only in B. Impulsive onset.	Link
	15	A	308	2008-11-03	23:18	5	00:55	3.14E+01	Small event	Link
	15	B	308	2008-11-03	23:29	1	00:25	1.38E+02	Impulsive, anisotropic	Link
	16	A	309	2008-11-04	04:15	10	06:55	5.67E+01	Impulsive, uncertain onset due to overlap with previous event and poor statistics	Link
	16	B	309	2008-11-04	04:10	1	05:55	2.77E+02	Impulsive, overlaps previous event	Link

Solar Electron Events observed by the Solar Electron and Proton Telescope (SEPT) onboard STEREO

	17	A	346	2008-12-11	09:58	5	10:36	2.46E+01	Small event, only in A. Seen also by SOHO/EPHIN	Link
	18	A	348	2008-12-13	21:53	5	01:15	4.75E+01	Small event, only in A, anisotropy from SOUTH	Link
2009	19	A	118	2009-04-28	11:33	5	20:25	7.88E+01	Flux already enhanced during the previous hours. Probably more injections during April 28-30.	Link
	20	A	122	2009-05-02	20:02	1	20:46	8.21E+02	Clear anisotropy at onset. Seen also by SOHO and ACE but not by B.	Link
	21	A	125	2009-05-05	08:44	1	09:25	5.03E+02	Clear anisotropy at onset. First in North telescope. Seen by SOHO and ACE but not by B.	Link
	22	B	185	2009-07-04	03:24	5	03:45	3.10E+01	Very small event - poor statistics	Link
	23	A	199	2009-07-18	02:06	1	02:26	1.78E+02		Link
	24	A	199	2009-07-18	21:03	1	21:56	1.05E+02		Link
	25	A	254	2009-09-11	09:15	10	11:45	3.72E+01	Very small event - poor statistics	Link
	26	A	254	2009-09-11	21:03	1	23:35	7.99E+01	On the decay phase of previous event	Link
	27	A	255	2009-09-12	02:43	5	03:05	1.53E+02	Overlaps previous event	Link
	28	A	256	2009-09-13	18:48	5	19:55	4.27E+01	Very small event. Mainly in SUN telescope. Probably more injections during Sep 14-16.	Link
	29	A	305	2008-11-01	17:58	5	18:15	1.89E+02	Small event. Electron flux slowly rises from Oct 30-Nov 3. Probably several injections during this interval.	Link
	30	A	306	2009-11-02	11:32	1	11:45	4.67E+02	Small event. Seen by SUN and northward telescopes. Enhanced pre-event background.	Link
	31	A	307	2009-11-03	03:57	1	04:25	2.78E+03	Impulsive onset showing anisotropy and velocity dispersion. Enhanced pre-event background.	Link
	31	B	307	2009-11-03	06:45	10	09:45	4.03E+01	Two-step onset. Small event at B, delayed wrt to the clear event seen by A and ACE/SOHO.	Link
	32	A	307	2009-11-03	18:55	1	19:35	1.35E+03	Anisotropy at onset. Enhanced pre-event background. B sees a marginal increase, too.	Link
	33	A	308	2009-11-04	20:39	1	20:56	2.18E+02	Anisotropic spike, not seen from solar direction. Unlikely SEP event.	Link
	34	A	309	2009-11-05	00:16	1	03:06	4.29E+02		Link
	35	A	320	2009-11-16	18:05	10	19:36	4.21E+01		Link
	36	B	350	2009-12-16	03:10	4	03:55	1.00E+02	Anisotropy from solar and northern direction	Link
	37	B	356	2009-12-22	05:19	1	06:16	8.92E+02	Impulsive onset showing clear anisotropy	Link
	37	A	356	2009-12-22	06:26	4	07:26	3.40E+01	Small, poor statistics. Better seen by B and ACE/SOHO.	Link
	38	A	360	2009-12-26	20:10	4	23:26	3.54E+01	Small, poor statistics	Link
2010	39	B	017	2010-01-17	04:58	5	17:55	3.01E+01	The event is smaller in B in comparison with A, but the onset is earlier	Link
	39	A	017	2010-01-17	05:18	5	09:15	2.44E+02	Bad connected event but seen by both s/c. Fairly isotropic. Protons >40 MeV.	Link
	40	A	026	2010-01-26	19:23	15	23:55	1.90E+01	Poor event, corresponds to a clear event seen by ACE/SOHO	Link
	41	A	033	2010-02-02	07:28	5	07:28	2.88E+01	Small event	Link
	42	A	033	2010-02-02	12:07	1	12:46	1.39E+02	Anisotropic, mostly seen in Sun and South telescopes	Link
	43	B	036	2010-02-05	22:14	1	22:35	7.37E+01	Impulsive onset, small event. Probably a second injection at ~00:42	Link
	44	B	037	2010-02-06	00:48	5	01:06	9.57E+01	Small event, overlaps with previous	Link
	45	B	037	2010-02-06	07:27	1	08:06	1.26E+03	Impulsive onset, clear anisotropy at onset. On the decay phase of previous event. Seen also by ACE/SOHO.	Link
	46	B	037	2010-02-06	23:05	10	23:25	1.91E+02	Small event	Link
	47	B	038	2010-02-07	03:05	1	04:36	9.55E+03	Impulsive onset showing anisotropy. On the decay phase of previous event. Also ions. Seen by ACE/SOHO.	Link
	47	A	038	2010-02-07	05:33	5	11:35	9.48E+01	It is unclear whether it is the same event seen by B or not, several flares are observed by EUVI	Link
	48	B	039	2010-02-08	03:38	1	03:43	6.59E+02	Small event, on the decay phase of previous event	Link
	49	B	039	2010-02-08	04:32	1	04:55	2.31E+03	Clear anisotropy at onset. On the decay phase of previous event. Seen also by ACE/SOHO.	Link
	49	A	039	2010-02-08	08:28	5	12:53	9.10E+01	On the decay phase of previous event. Not sure multi-s/c event. Different sources for A and B could be possible.	Link
	50	B	041	2010-02-10	23:08	5	00:15	8.68E+01	Small event	Link
	51	B	043	2010-02-12	07:51	1	10:15	2.87E+03	Onset missing due to data gap. Second major injection at 12:30 UT. Spikes during long decay phase	Link
	52	B	043	2010-02-12	12:15	1	14:15	1.61E+04	On top of previous event, spiky profile	Link
	52	A	043	2010-02-12	13:05	10	19:25	7.34E+02	Slowly growing onset. Seen also by ACE/SOHO	Link
	53	B	044	2010-02-13	10:38	5	11:05	1.69E+03	Spike, only seen in North and South telescopes	Link
	54	A	045	2010-02-14	07:02	1	07:06	2.44E+02	Spike. Very anisotropic (almost scatter-free event).	Link
	55	B	045	2010-02-14	19:13	5	20:35	4.99E+02	Only in SUN telescope	Link
	56	A	046	2010-02-15	02:53	5	04:45	2.72E+02	During the decay of previous event. Probably there are several injections during Feb 15	Link
	57	A	051	2010-02-20	12:20	1	15:06	1.55E+02		Link
	58	A	052	2010-02-21	05:30	1	05:45	7.13E+02	Impulsive onset showing anisotropy (North and Sun telescopes). Seen also by ACE.	Link
	59	A	053	2010-02-22	05:02	1	05:05	1.31E+02	Short duration spike, anisotropic	Link
	60	A	053	2010-02-22	05:30	1	not visible	not visible	Short duration spike, anisotropic	Link

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61	A	053	2010-02-22	05:49	1	05:55	1.31E+02	Short duration spike, anisotropic	Link
62	A	053	2010-02-22	06:37	1	06:35	3.02E+02	Short duration spike, very anisotropic	Link
63	A	061	2010-03-02	15:37	1	15:56	4.81E+02	Impulsive onset. Overlaps a previous enhancement starting at 02:15 UT	Link
64	B	065	2010-03-06	07:42	1	07:55	1.87E+02	Impulsive, anisotropic	Link
65	B	073	2010-03-14	00:15	1	01:16	1.20E+02		Link
66	B	078	2010-03-19	06:08	3	06:16	5.25E+01	Anisotropic. Seen also by ACE/SOHO.	Link
67	A	082	2010-03-23	21:18	1	21:25	3.09E+02	Impulsive onset showing anisotropy (mostly seen by South telescope)	Link
68	A	163	2010-06-12	02:05	10	07:35	2.40E+02	Slowly rising profile. Seen also by B and by ACE and SOHO (event well connected to L1, delayed onset at A & B)	Link
68	B	163	2010-06-12	?	?	?	?	Affected by ion contamination. Onset time is uncertain.	Link
69	A	174	2010-06-23	01:18	5	03:45	5.01E+01	Small event	Link
70	B	192	2010-07-11	15:05	10	15:25	4.12E+01	Small event	Link
71	B	211	2010-07-30	05:20	1	05:36	3.82E+02	Unclear whether it is of solar origin or not. Very high background due to previous corotating event.	Link
72	B	211	2010-07-30	17:06	1	17:36	5.34E+02	Very high background due to previous events	Link
73	B	213	2010-08-01	?	?	?	?	Onset during data gap. Highly contaminated by ions. Large ion event.	Link
74	B	219	2010-08-07	19:08	1	01:15	3.96E+03	Large event. Prompt onset with clear anisotropy. Seen also by ACE/SOHO but not by A. Protons >40 MeV.	Link
75	A	225	2010-08-13	15:55	10	17:15	1.47E+02	Small event	Link
76	B	226	2010-08-14	10:31	1	11:36	2.70E+03	Rising phase shows clear anisotropy. Protons >40 MeV.	Link
76	A	226	2010-08-14	10:53	5	17:05	1.41E+02	Small event which corresponds to a larger event seen by B and by ACE/SOHO	Link
77	A	230	2010-08-18	06:10	1	09:26	8.43E+03	Clear anisotropy. Large event. Seen also by B and ACE/SOHO. Protons >40 MeV.	Link
77	B	230	2010-08-18	06:53	1	10:36	1.20E+03	Anisotropy at onset	Link
78	A	235	2010-08-23	03:07	1	03:15	7.21E+01	Small event not seen by SUN telescope	Link
79	A	235	2010-08-23	04:43	1	05:36	1.47E+02		Link
80	A	235	2010-08-23	10:16	1	10:26	3.96E+02	There is an anisotropic spike (SUN telescope) during the onset	Link
81	A	235	2010-08-23	19:17	1	20:06	9.08E+02	Clear anisotropy at onset	Link
82	A	243	2010-08-31	02:41	1	03:36	9.03E+03	Very anisotropic. Flux is enhanced before the event (probably 3 weak events during Aug 29-30).	Link
83	A	243	2010-08-31	14:08	1	14:35	3.96E+03	Clear anisotropy	Link
84	A	243	2010-08-31	21:21	1	23:06	1.18E+05	Large event. Clear anisotropy. Clearly seen by ACE/SOHO. Protons >40 MeV.	Link
84	B	243	2010-08-31	22:08	5	22:26	4.95E+01	Small increase, anisotropic. Could correspond to a large event seen by A and ACE/SOHO.	Link
85	A	244	2010-09-01	14:04	1	14:46	1.02E+04	Clear anisotropy. On the decay phase of previous large event.	Link
86	A	244	2010-09-01	23:16	1	01:55	7.94E+03	Clear anisotropy. On the decay phase of previous large event.	Link
87	A	247	2010-09-04	08:36	2	09:55	9.78E+02	Clear anisotropy. On the decay phase of previous events.	Link
88	A	249	2010-09-06	13:45	10	22:55	2.14E+02	Slowly rising event, isotropic	Link
89	A	252	2010-09-09	01:03	5	06:55	3.22E+02	Affected by ion contamination, but clear onset. Fairly isotropic. Seen also by SOHO.	Link
90	A	255	2010-09-12	05:53	5	06:05	6.00E+01	Small event. Anisotropic.	Link
91	B	260	2010-09-17	00:39	1	01:16	1.19E+03	Very anisotropic. Seen also by SOHO. After the event, the slowly increasing fluxes could be a corotating increase.	Link
92	A	275	2010-10-02	20:42	1	22:15	2.48E+02	Anisotropic	Link
93	A	276	2010-10-03	00:57	1	00:59	5.77E+02	Anisotropic spike in North telescope followed by gradual increase mostly in SUN telescope	Link
94	A	283	2010-10-10	22:23	5	01:45	8.47E+01	Anisotropic	Link
95	A	296	2010-10-23	05:48	5	08:45	3.21E+01		Link
96	B	314	2010-11-10	13:35	2	13:55	1.69E+01	Very small event - poor statistics	Link
97	B	314	2010-11-10	14:32	1	14:35	5.04E+02	Anisotropic. Prompt onset. Velocity dispersion	Link
98	B	315	2010-11-11	07:43	1	07:55	1.48E+02	Anisotropic	Link
99	B	315	2010-11-11	13:24	1	13:35	2.30E+03	Anisotropic. Velocity dispersion.	Link
100	B	315	2010-11-11	16:37	1	18:15	1.19E+03	Slowly rising event. Broad maximum after spike. More intense in North telescope	Link
101	B	315	2010-11-11	20:13	1	20:25	3.38E+03	Very anisotropic	Link
102	B	316	2010-11-12	04:22	1	04:35	1.48E+03	Anisotropic	Link
103	B	316	2010-11-12	08:30	1	08:45	1.71E+03	Very anisotropic spike showing velocity dispersion	Link
104	B	320	2010-11-16	00:08	5	02:26	5.88E+01		Link
105	B	321	2010-11-17	05:15	1	05:46	4.99E+01	Anisotropic	Link
106	A	330	2010-11-26	15:35	10	21:16	4.95E+02	Anisotropic. Probably more injections.	Link

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	107	B	333	2010-11-29	22:16	10	02:46	3.10E+01	Slowly rising event, isotropic. Poor statistics.	Link
	108	B	341	2010-12-07	13:16	10	20:26	5.69E+01		Link
	109	A	344	2010-12-10	13:15	1	13:56	6.44E+01	second injection at ~16:20	Link
	110	A	346	2010-12-12	16:34	5	09:36	5.12E+01	gradual event	Link
2011	111	A	006	2011-01-06	12:55	1	14:35	5.58E+01		Link
	112	B	013	2011-01-13	13:23	15	16:53	3.48E+01		Link
	113	B	021	2011-01-21	04:47	1	04:55	1.64E+02		Link
	114	B	021	2011-01-21	11:22	1	11:35	2.64E+02		Link
	115	B	022	2011-01-22	08:44	1	08:45	1.65E+02	Anisotropic	Link
	116	A	027	2011-01-27	09:04	1	09:15	1.13E+03	Very anisotropic	Link
	117	A	028	2011-01-28	01:26	1	02:55	1.30E+03	Isotropic, 2 nd injection at ~4:45	Link
	118	A	028	2011-01-28	10:45	1	11:35	9.93E+02	Anisotropic	Link
	119	A	031	2011-01-31	17:38	5	23:15	2.08E+02		Link
	120	A	032	2011-02-01	21:18	5	21:45	5.24E+02	Very anisotropic. On top of increased background.	Link
	121	A	038	2011-02-07	13:28	5	23:25	1.70E+02	Slowly rising event, isotropic	Link
	122	B	042	2011-02-11	22:38	5	00:45	5.39E+01		Link
	123	B	044	2011-02-13	18:08	1	19:25	7.30E+02	Anisotropic	Link
	124	B	045	2011-02-14	18:06	1	20:55	3.97E+03	Anisotropic	Link
	125	B	046	2011-02-15	02:38	1	04:35	1.64E+04	Very anisotropic. On top of increased background.	Link
	126	B	049	2011-02-18	05:22	1	05:25	3.44E+02	Anisotropic spike in SUN and NORTH telescopes	Link
	127	B	049	2011-02-18	18:13	5	18:25	1.02E+02		Link
	128	B	050	2011-02-19	10:38	5	10:45	1.17E+02		Link
	129	B	050	2011-02-19	20:28	5	20:35	1.58E+02	Second injection at ~4:10	Link
	130	B	055	2011-02-24	08:19	1	12:55	2.86E+03	Anisotropic	Link
	130	A	055	2011-02-24	12:13	5	18:05	1.42E+02	Very anisotropic	Link
	131	A	057	2011-02-26	00:33	1	00:35	1.45E+02	Very anisotropic	Link
	132	A	057	2011-02-26	00:58	1	01:05	7.43E+03	Very anisotropic	Link
	133	A	057	2011-02-26	02:32	1	02:38	3.32E+03	Very anisotropic	Link
	134	A	057	2011-02-26	03:42	1	03:53	4.31E+03	Very anisotropic	Link
	135	A	057	2011-02-26	06:20	1	06:23	2.30E+02	Very anisotropic	Link
	136	A	057	2011-02-26	06:54	1	06:55	4.65E+03	Very anisotropic	Link
	137	A	057	2011-02-26	12:58	1	13:05	7.07E+02	Very anisotropic	Link
	138	A	057	2011-02-26	15:02	1	15:05	4.56E+02	Very anisotropic	Link
	139	A	057	2011-02-26	16:02	1	16:08	1.35E+03	Very anisotropic	Link
	140	A	063	2011-03-04	03:48	1	03:55	2.89E+02	Anisotropic	Link
	141	A	063	2011-03-04	12:41	1	12:45	2.80E+02	Anisotropic	Link
	142	A	063	2011-03-04	14:33	1	14:55	1.06E+04	Anisotropic. Several injections following in the decay phase of the event.	Link
	143	A	065	2011-03-06	19:25	10	19:55	2.53E+02	On the decay phase of previous event	Link
	144	B	066	2011-03-07	15:25	1	17:15	6.07E+03	Period during ion contamination	Link
	145	A	066	2011-03-07	21:53	15	14:08	8.32E+02	Period during ion contamination	Link
	146	A	078	2011-03-19	09:58	1	10:05	1.67E+03	Very anisotropic	Link
	147	A	079	2011-03-20	10:35	1	10:39	6.24E+02	Very anisotropic and short spike like event in SUN telescope	Link
	148	A	079	2011-03-20	10:53	1	11:05	1.30E+03	Very anisotropic spike like event in SOUTH telescope followed by a gradual increase	Link
	149	A	080	2011-03-21	02:34	1	04:15	2.70E+05	Anisotropic	Link
	150	B	080	2011-03-21	18:43	1	18:55	9.12E+03	Anisotropic. Data gap in the decay phase.	Link
	151	B	081	2011-03-22	21:10	1	21:15	2.40E+03	Very anisotropic	Link
	152	B	082	2011-03-23	02:31	1	02:45	4.08E+04	Very anisotropic	Link
	153	B	083	2011-03-24	17:36	1	18:15	1.42E+04	Very anisotropic from NORTH	Link
	154	A	088	2011-03-29	23:25	10	07:05	2.77E+02		Link
	154	B	089	2011-03-30	02:25	10	14:05	6.38E+02		Link

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155	A	098	2011-04-08	04:28	1	07:45	9.39E+03	Period during ion contamination	Link
156	B	101	2011-04-11	15:15	10	03:05	7.71E+01	Period during ion contamination, anisotropic	Link
157	B	103	2011-04-13	20:25	10	13:12	1.43E+02	Anisotropic, second injection at ~ 12 UT	Link
158	B	107	2011-04-17	13:15	10	17:15	2.67E+02	Gradual increase, very anisotropic	Link
159	A	107	2011-04-17	17:28	1	18:35	2.92E+03	Anisotropic	Link
160	B	109	2011-04-19	01:45	10	04:35	7.08E+01	Very spiky, only seen in SUN telescope	Link
161	B	109	2011-04-19	12:05	10	21:05	1.15E+02		Link
162	B	110	2011-04-20	09:58	5	11:15	2.52E+02	Period during ion contamination, anisotropic from ANTI-SUN	Link
163	A	111	2011-04-21	02:45	10	06:35	1.33E+02	Period during ion contamination	Link
164	A	114	2011-04-24	05:03	5	06:35	5.20E+01	Anisotropic from SOUTH	Link
165	A	116	2011-04-26	05:34	1	06:05	3.46E+02	Strong anisotropy	Link
166	A	117	2011-04-27	10:05	10	15:05	8.80E+01		Link
167	A	119	2011-04-29	21:58	1	23:05	1.99E+02	Anisotropic	Link
168	A	120	2011-04-30	06:49	1	08:35	8.06E+02	Anisotropic from SOUTH, several injections in the decay phase	Link
169	B	129	2011-05-09	22:23	5	03:25	2.94E+02	Ion contamination during maximum of the event	Link
170	A	139	2011-05-19	01:25	10	07:35	2.75E+02	event during period of ion contamination	Link
171	B	149	2011-05-29	14:05	10	20:35	7.53E+03	Very gradual rise, anisotropic	Link
172	B	153	2011-06-02	07:40	1	10:14	1.61E+04	Anisotropic spike followed by gradual increase. On the decay phase of previous event.	Link
173	A	155	2011-06-04	07:31	1	02:45	1.40E+06	Anisotropic, period during ion contamination	Link
174	A	155	2011-06-04	22:28	1	20:05	1.04E+06	very long and gradual rise	Link
175	B	157	2011-06-05	17:30	60	17:30	8.17E+04	Very slowly rising event during period of ion contamination, maximum 1 day later!	Link
176	B	165	2011-06-14	15:56	1	09:15	3.87E+04	On the decay phase of previous event	Link
177	A	167	2011-06-16	05:44	1	05:55	2.37E+03	On top of increased background, anisotropy from SOUTH	Link
178	B	182	2011-07-01	13:25	10	16:55	3.42E+01	Small gradual event. Second gradual increase follows at ~2 UT	Link
179	B	192	2011-07-11	12:15	30	13:45	1.41E+02	Period during ion contamination, anisotropic, second increase follows at ~6 UT	Link
180	A	206	2011-07-25	14:45	1	17:15	1.90E+02	gradual increase	Link
181	A	207	2011-07-26	02:53	1	03:45	4.21E+03	very prompt increase, very anisotropic	Link
182	A	207	2011-07-26	10:08	1	10:45	5.94E+04	very prompt increase, anisotropic	Link
183	B	207	2011-07-26	16:35	10	22:55	1.71E+02	gradual rise, anisotropic	Link
184	B	211	2011-07-30	13:23	15	16:23	8.80E+01		Link
185	B	214	2011-08-02	10:25	10	15:55	1.22E+02	Period during ion contamination	Link
186	B	215	2011-08-03	08:35	10	08:55	1.78E+02	Anisotropic short duration spike	Link
187	B	216	2011-08-04	07:30	15	23:10	3.43E+02	Period during ion contamination	Link
188	A	216	2011-08-04	11:55	10	09:05	6.58E+02	very gradual rise	Link
189	A	222	2011-08-10	20:38	1	12:25	1.12E+04	Period during ion contamination	Link
190	A	223	2011-08-11	19:12	1	23:35	8.94E+03	Period during ion contamination	Link
191	A	225	2011-08-13	11:53	15	16:08	8.44E+02	Period during ion contamination	Link
192	A	228	2011-08-16	08:50	1	10:05	8.79E+02	Anisotropic	Link
193	A	236	2011-08-24	06:08	5	08:05	2.39E+02	Anisotropic , several more injections on decay phase	Link
194	A	240	2011-08-28	14:53	15	09:08	1.90E+02	Very gradual rise, anisotropic	Link
195	A	242	2011-08-30	12:25	10	16:25	1.14E+02	Period during ion contamination, anisotropic, second injection during decay phase	Link
196	A	246	2011-09-03	03:55	10	06:55	1.80E+02	Anisotropic	Link
197	A	247	2011-09-04	09:03	5	09:25	1.68E+02	On the decay phase of previous event. Very anisotropic	Link
198	B	249	2011-09-06	04:15	10	06:25	2.00E+02	Gradual increase in three steps, several injections during decay phase	Link
199	A	250	2011-09-07	06:03	5	08:15	2.39E+02	On top of increased background, anisotropic from SOUTH, double peak structure	Link
200	A	250	2011-09-07	19:17	1	19:25	1.04E+03	Anisotropic, on top of increased background	Link
201	A	252	2011-09-09	00:26	1	02:45	9.91E+03	Anisotropy from SOUTH, during period of ion contamination, several injections during decay phase	Link
202	A	261	2011-09-18	19:03	1	19:05	1.65E+02	only seen in SUN-telescope	Link
203	A	261	2011-09-18	20:13	1	20:25	1.80E+04	Very anisotropic	Link
203	B	262	2011-09-19	01:18	5	03:45	3.97E+01	probably the same event seen by STEREO A	Link

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	204	B	262	2011-09-19	09:43	5	15:15	1.24E+02			Link
	205	B	262	2011-09-19	16:58	5	20:15	8.11E+02	Anisotropic		Link
	206	B	263	2011-09-20	07:33	5	09:15	8.90E+02	Very anisotropic, second injection during decay phase		Link
	207	A	264	2011-09-21	23:44	1	04:55	4.90E+03	Anisotropy from NORTH		Link
	208	B	265	2011-09-22	10:58	1	05:15	3.66E+05	Very steep increase followed by gradual rise, anisotropic, very spiky structure during the beginning decay phase		Link
	209	B	269	2011-09-26	09:35	1	09:45	4.23E+04	Short duration spike, only seen in SUN telescope		Link
	210	B	273	2011-09-30	19:24	1	20:55	1.06E+04	anisotropy from SOUTH		Link
	211	B	274	2011-10-01	10:26	1	11:55	3.57E+03	Very anisotropic		Link
	212	B	275	2011-10-02	01:42	1	02:35	2.30E+03	Anisotropic		Link
	213	B	277	2011-10-04	13:30	1	15:45	4.84E+04	Event during period of ion contamination, very anisotropic and spiky profile in SOUTH-telescope		Link
	213	A	277	2011-10-04	14:45	2	03:05	1.19E+04	Probably the same event seen by STEREO B		Link
	214	B	280	2011-10-07	19:15	10	04:15	2.13E+03	event during period of ion contamination		Link
	215	B	289	2011-10-16	09:35	10	09:15	3.73E+03	very gradual increase, anisotropic		Link
	216	B	294	2011-10-21	13:38	1	15:15	3.80E+02	Anisotropy from SOUTH		Link
	217	A	295	2011-10-22	15:35	10	15:55	1.51E+02	short duration spike, only seen in NORTH-telescope		Link
	218	B	295	2011-10-22	19:15	10	20:35	1.95E+02	only seen in SUN-telescope		Link
	219	A	296	2011-10-23	00:13	5	11:05	1.41E+03	Anisotropic		Link
	220	A	300	2011-10-27	03:12	1	03:25	9.07E+03	Anisotropy from NORTH, period of ion contamination		Link
	221	A	301	2011-10-28	00:50	1	00:55	1.70E+03	Anisotropic, period of ion contamination		Link
	222	A	301	2011-10-28	19:18	1	19:25	1.51E+03	Short duration spike, very anisotropic		Link
	223	A	301	2011-10-28	21:07	1	21:15	3.13E+03	Short duration spike, very anisotropic		Link
	224	A	301	2011-10-28	22:27	1	22:45	5.18E+03	Short duration spike, very anisotropic		Link
	225	A	302	2011-10-29	02:55	1	03:05	5.98E+03	Short duration spike, very anisotropic		Link
	226	A	303	2011-10-30	10:18	1	10:25	5.05E+02	Short duration spike, anisotropy from SOUTH		Link
	227	A	303	2011-10-30	11:30	1	11:55	3.64E+03	Anisotropic		Link
	228	A	303	2011-10-30	16:28	5	16:35	1.08E+03	Anisotropic		Link
	229	A	307	2011-11-03	22:42	1	01:15	9.55E+04	Very anisotropic, short duration spikes on top during maximum time		Link
	229	B	307	2011-11-03	23:24	1	01:05	4.25E+03	Very anisotropic, multi-sc event, also seen by SOHO and ACE		Link
	230	B	308	2011-11-04	10:40	1	10:55	2.00E+03	only seen in SUN-telescope, on decay phase of previous event, further anisotropic injection on Jan 6		Link
	231	B	313	2011-11-09	13:49	1	15:25	1.79E+03	Very anisotropic		Link
	232	A	316	2011-11-12	08:05	10	12:45	2.41E+02			Link
	233	A	317	2011-11-13	20:25	10	04:35	6.86E+02			Link
	234	B	319	2011-11-15	14:25	10	06:35	7.93E+02	very gradual rise, period during ion contamination, max on day 322!		Link
	235	A	321	2011-11-17	23:15	10	04:25	1.10E+03	Anisotropic		Link
	236	A	324	2011-11-20	01:05	10	01:15	3.11E+02	Very anisotropic spike		Link
	237	A	324	2011-11-20	22:45	10	23:35	2.24E+02			Link
	238	A	327	2011-11-23	11:05	10	12:25	9.84E+01	Anisotropy from anti-sun direction, gradual event		Link
	239	B	330	2011-11-26	08:15	10	12:35	4.92E+02	Max on day 331! Gradual rise		Link
	239	A	330	2011-11-26	10:35	10	20:55	3.54E+04	Anisotropic, period during ion contamination, max on day 332! Probably multi-spacecraft event		Link
	240	B	335	2011-12-01	06:45	10	08:05	2.52E+02	Anisotropy from north, period during ion contamination		Link
	241	A	335	2011-12-01	21:54	1	21:55	1.24E+03	short duration spike, anisotropy from south, period during ion contamination		Link
	242	A	337	2011-12-03	02:15	30	11:15	3.46E+02			Link
	243	A	341	2011-12-07	10:25	10	12:55	1.33E+02			Link
	244	A	341	2011-12-07	21:15	10	05:15	2.31E+03			Link
	245	B	343	2011-12-09	22:55	10	05:15	1.15E+02	several more injections on the decay phase		Link
	246	A	345	2011-12-11	14:37	1	15:35	5.98E+03	Anisotropic		Link
	247	A	351	2011-12-17	09:21	1	09:25	1.43E+03	Very anisotropic short duration spike		Link
	248	B	352	2011-12-18	00:05	10	00:25	2.90E+01			Link
	249	A	353	2011-12-19	13:05	1	13:45	2.44E+03	Very anisotropic, period during ion contamination		Link
	250	B	353	2011-12-19	18:15	10	19:15	2.19E+02			Link

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	251	B	359	2011-12-25	18:55	10	23:25	3.95E+03	Anisotropic	Link
	252	B	361	2011-12-27	05:35	10	09:55	3.19E+03		Link
	253	B	362	2011-12-28	22:55	10	23:55	4.97E+02	Very anisotropic	Link
2012	254	A	001	2012-01-01	13:25	10	14:15	2.33E+02	Anisotropic, period during ion contamination	Link
	255	A	002	2012-01-02	01:35	10	04:05	5.52E+02	Period during ion contamination	Link
	256	A	002	2012-01-02	15:45	10	22:25	7.35E+02		Link
	257	B	005	2012-01-05	13:05	10	14:05	5.82E+01		Link
	258	A	009	2012-01-09	04:45	10	07:45	2.98E+02	Anisotropic	Link
	259	B	010	2012-01-10	23:55	10	02:45	1.06E+02		Link
	260	A	011	2012-01-11	03:35	10	04:25	1.17E+02	Anisotropic	Link
	261	A	011	2012-01-11	07:25	10	08:25	8.60E+02	Anisotropic	Link
	262	B	011	2012-01-11	12:45	10	17:35	1.30E+02		Link
	263	B	012	2012-01-12	01:15	1	01:45	5.24E+02	Very anisotropic	Link
	264	A	012	2012-01-12	09:25	10	11:25	1.36E+02	Anisotropic	Link
	265	A	015	2012-01-15	10:45	10	11:55	5.17E+01	second gradual increase follows next day	Link
	266	B	016	2012-01-16	06:25	10	12:55	1.38E+03	Period during ion contamination	Link
	267	B	019	2012-01-19	17:15	10	06:45	7.87E+03	Period during ion contamination	Link
	268	B	023	2012-01-23	06:15	10	14:35	1.89E+04		Link
	268	A	023	2012-01-23	07:45	30	12:45	4.02E+04	on top of a very gradual rise, max on day 25!	Link
	269	B	031	2012-01-31	01:34	1	06:55	6.13E+03		Link
	270	B	041	2012-02-10	04:01	1	05:35	2.14E+03	anisotropic	Link
	271	A	041	2012-02-10	11:05	10	14:15	9.07E+02	Second injection at ~22:00	Link
	272	A	047	2012-02-16	07:12	1	08:15	1.69E+03	Anisotropic	Link
	273	B	051	2012-02-20	21:08	15	07:08	9.82E+01		Link
	274	B	055	2012-02-24	16:10	20	22:50	5.26E+02	Max on day 56, long gradual increase. Anisotropic spikes on top of increase.	Link
	275	A	055	2012-02-24	18:10	20	00:10	9.49E+01		Link
	276	A	056	2012-02-25	20:25	10	06:15	1.97E+03	Max on day 58	Link
	277	A	059	2012-02-28	02:25	10	23:45	1.03E+03	anisotropy from SOUTH, on top of increased background	Link
	278	A	060	2012-02-29	09:45	10	15:05	2.30E+03	anisotropy from SOUTH, on top of increased background	Link
	279	B	063	2012-03-03	20:35	10	04:55	2.78E+03	Anisotropic during maximum	Link
	280	B	064	2012-03-04	12:25	10	02:05	1.10E+05	Anisotropy from NORTH	Link
	281	A	064	2012-03-04	13:45	10	23:55	9.14E+02	Strong anisotropy from NORTH and SOUTH, max on day 65	Link
	282	B	067	2012-03-07	01:15	10	04:55	6.63E+05	Anisotropy from NORTH. During maximum from SUN.	Link
	282	A	067	2012-03-07	01:38	5	04:15	2.33E+03	Anisotropic. Steep increase followed by plateau-like flat increase.	Link
	283	A	069	2012-03-09	05:18	5	01:05	1.17E+05	Anisotropic. Max on day 72!	Link
	284	B	074	2012-03-14	16:05	5	16:15	3.20E+03	Short duration spike, only seen by NORTH and SUN	Link
	285	B	075	2012-03-15	01:58	5	04:15	5.49E+03	Anisotropy from NORTH and ASUN, max on day 76	Link
	286	A	078	2012-03-18	02:45	10	07:15	1.30E+04	Anisotropic	Link
	287	A	081	2012-03-21	07:45	1	08:05	5.52E+04	Very anisotropic. Onset during ion contamination period	Link
	288	B	083	2012-03-23	22:45	30	14:15	2.75E+03	Possibly the same event seen by STEREO A on day 84	Link
	289	A	084	2012-03-24	00:36	1	02:05	6.17E+04	Anisotropic	Link
	290	B	085	2012-03-25	01:10	1	01:25	4.74E+03	Anisotropic	Link
	291	A	088	2012-03-28	21:23	5	21:25	6.53E+02	Anisotropic, very short duration	Link
	292	A	090	2012-03-30	10:13	5	10:15	4.88E+02	Anisotropic, very short duration	Link
	293	A	090	2012-03-30	13:48	5	13:55	8.65E+02	Anisotropic, very short duration	Link
	294	A	096	2012-04-05	16:05	10	21:05	5.24E+02	Slightly anisotropic	Link
	295	A	098	2012-04-07	17:03	5	01:55	1.74E+03	Anisotropic	Link
	296	B	098	2012-04-07	21:45	30	11:45	8.70E+01		Link
	297	A	099	2012-04-08	02:33	5	03:15	4.23E+03		Link
	298	A	103	2012-04-12	12:03	5	14:05	2.64E+03		Link

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	299	B	105	2012-04-14	14:01	1	14:05	4.39E+02	Anisotropic short duration spike	Link
	300	B	106	2012-04-15	02:38	1	05:25	1.33E+03		Link
	300	A	106	2012-04-15	03:03	5	06:25	7.91E+02		Link
	301	B	107	2012-04-16	00:57	1	01:05	1.83E+03	Anisotropic	Link
	302	B	107	2012-04-16	17:58	5	19:05	1.79E+03		Link
	302	A	107	2012-04-16	18:35	10	20:45	2.87E+02	Anisotropic from SOUTH	Link
	303	A	108	2012-04-17	17:35	10	17:45	8.79E+02	Anisotropic	Link
	304	A	109	2012-04-18	02:40	1	03:55	2.41E+04	Anisotropic, more injections following on top of decay	Link
	305	B	115	2012-04-24	08:33	5	10:05	1.25E+03		Link
	306	A	117	2012-04-26	08:30	60	13:30	1.48E+02		Link
	307	A	118	2012-04-27	18:05	10	19:45	7.36E+02	Anisotropic	Link
	308	A	119	2012-04-28	16:15	10	12:35	2.74E+04	Anisotropic	Link
	309	B	119	2012-04-28	08:03	5	08:35	8.12E+01		Link
	310	B	119	2012-04-28	22:39	2	22:45	1.57E+02		Link
	311	B	121	2012-04-30	15:38	15	23:08	1.18E+02	Anisotropic from ASUN	Link
	312	A	122	2012-05-01	11:23	5	11:35	5.11E+02		Link
	313	A	122	2012-05-01	16:14	1	16:25	2.07E+03	Strong anisotropy	Link
	314	A	126	2012-05-05	05:33	5	08:05	9.32E+01		Link
	315	B	128	2012-05-07	04:15	10	05:05	1.44E+03	Anisotropy from ASUN, on top of increased background	Link
	315	A	128	2012-05-07	07:30	60	15:30	3.49E+01	very gradual increase, max on day 129, possibly the same event as seen by STEREO B	Link
	316	B	130	2012-05-09	06:45	10	08:25	3.17E+02		Link
	317	B	130	2012-05-09	21:45	10	04:05	7.80E+02	Anisotropy from NORTH	Link
	318	A	131	2012-05-10	~22:30	60	16:30	4.69E+02		Link
	319	B	132	2012-05-11	03:59	1	04:05	2.34E+03	Anisotropic	Link
	320	B	135	2012-05-14	02:42	4	02:55	1.98E+02	Very anisotropic short duration spike	Link
	321	B	138	2012-05-17	03:25	10	16:55	9.43E+01	Anisotropy from ASUN	Link
	321	A	138	2012-05-17	~5:00	60	> 22:30	--	Very gradual rise, maximum during ion contamination period	Link
	322	B	142	2012-05-21	~7:30	60	04:30	3.29E+02	Very gradual rise, anisotropy from ASUN, max on day 144	Link
	323	A	144	2012-05-22	20:30	60	10:30	1.31E+02	Anisotropic	Link
	324	A	147	2012-05-26	21:08	1	02:05	2.92E+04	Anisotropic, second strong injection during decay phase	Link
	325	B	148	2012-05-27	07:55	10	10:45	1.70E+03	Very gradual rise, max on day 150	Link
	326	B	154	2012-06-02	04:49	1	05:05	1.67E+03	Very anisotropic short duration spike	Link
	327	B	155	2012-06-03	18:39	1	19:55	3.28E+03	Very anisotropic	Link
	328	A	157	2012-06-05	19:58	5	20:15	5.69E+02		Link
	328	B	157	2012-06-05	21:05	10	21:45	1.15E+02	Possibly the same event seen by STEREO A	Link
	329	B	158	2012-06-06	20:43	5	21:25	6.20E+02	Anisotropic	Link
	330	A	161	2012-06-09	06:25	10	08:25	1.12E+02	Anisotropic	Link
	331	B	161	2012-06-09	10:10	20	10:30	9.03E+01	Anisotropic	Link
	332	A	164	2012-06-12	05:38	5	06:05	1.45E+03	Anisotropic	Link
	333	B	164	2012-06-12	~16:00	60	23:30	9.31E+02	Very slowly rising event showing a lot of peaks possibly due to several injections, max on day 166	Link
	334	A	170	2012-06-18	16:35	10	14:05	8.08E+02	Anisotropic	Link
	335	A	173	2012-06-21	13:38	4	13:45	3.06E+02	Short duration spike, anisotropic. Another spike with lower statistics arrives ~1.5 hours before.	Link
	336	B	179	2012-06-27	02:25	10	05:55	9.28E+02	Anisotropic	Link
	337	B	179	2012-06-27	12:57	1	13:05	4.55E+03	Anisotropic	Link
	338	B	180	2012-06-28	02:36	1	03:35	1.65E+03	Anisotropic	Link
	339	A	180	2012-06-28	06:18	1	07:45	9.89E+03	Very anisotropic	Link
	340	B	180	2012-06-28	11:38	1	11:45	9.24E+02	Anisotropic	Link
	341	B	180	2012-06-28	16:29	1	16:35	1.09E+04	Very anisotropic	Link
	342	B	182	2012-06-30	10:36	1	11:35	3.22E+03	Anisotropic	Link
	343	B	183	2012-07-01	07:37	1	07:55	6.26E+03	Anisotropic	Link

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344	B	183	2012-07-01	19:46	4	20:25	1.55E+03	Anisotropic	Link
345	A	184	2012-07-02	~08:43	1	10:15	6.25E+03	Anisotropic, onset during period of ion contamination	Link
346	B	184	2012-07-02	21:03	5	21:35	2.14E+03	Anisotropy from NORTH	Link
347	A	188	2012-07-06	~0:00	60	14:30	2.41E+02		Link
348	A	189	2012-07-07	01:55	10	11:55	1.85E+03		Link
349	A	190	2012-07-08	14:43	2	16:15	1.16E+04	Anisotropic	Link
350	A	193	2012-07-11	00:31	2	00:35	2.42E+03	Anisotropic short duration spike	Link
351	A	193	2012-07-11	06:03	2	06:15	5.20E+03	Anisotropic short duration spike	Link
352	B	194	2012-07-12	17:10	1	21:05	1.25E+04	Anisotropic	Link
353	A	195	2012-07-13	21:03	5	00:15	9.27E+02		Link
354	A	196	2012-07-14	18:08	5	18:35	5.94E+02	Anisotropy from SOUTH	Link
355	A	197	2012-07-15	18:06	1	18:15	2.20E+03	Anisotropic short duration spike	Link
356	A	197	2012-07-15	21:50	1	22:05	1.74E+04	Very anisotropic	Link
357	A	200	2012-07-18	06:33	5	07:45	6.71E+03		Link
358	B	201	2012-07-19	19:23	5	20:15	6.52E+02		Link
359	A	205	2012-07-23	02:40	1	22:45	4.76E+06	During period of ion contamination	Link
359	B	205	2012-07-23	18:05	10	21:35	4.92E+04	Anisotropy from ASUN, max on day 206	Link
360	B	210	2012-07-28	21:40	1	21:55	2.88E+04	Very anisotropic	Link
361	B	217	2012-08-04	15:28	5	18:05	3.55E+03		Link
362	B	221	2012-08-08	08:03	5	09:45	9.74E+02		Link
363	B	222	2012-08-09	12:35	10	13:45	3.85E+02	Small event	Link
364	A	223	2012-08-10	13:23	5	20:55	5.44E+03	Anisotropic, very step-like increase	Link
365	B	226	2012-08-13	04:40	1	05:45	9.62E+02	Very anisotropic	Link
366	A	228	2012-08-15	09:23	5	11:05	2.71E+02	Double spike	Link
367	B	230	2012-08-17	09:45	30	14:05	1.06E+03	Max on day 231	Link
368	A	230	2012-08-17	09:45	10	07:55	5.72E+03	Gradual increase	Link
369	A	232	2012-08-19	04:58	1	05:15	8.14E+03	Very anisotropic short duration spike	Link
370	A	232	2012-08-19	18:53	1	19:05	3.23E+04	Anisotropic	Link
371	B	233	2012-08-20	13:55	10	14:45	8.99E+02		Link
372	A	233	2012-08-20	21:45	10	00:35	5.46E+03	Anisotropic	Link
373	A	234	2012-08-21	20:55	10	00:05	9.74E+03	Anisotropic	Link
374	B	236	2012-08-23	03:15	30	01:45	1.35E+04	Very gradual rise	Link
375	A	238	2012-08-25	18:05	10	22:15	3.53E+02	Small event	Link
376	A	242	2012-08-29	10:55	10	12:45	1.45E+02	Small event	Link
377	B	244	2012-08-31	20:11	1	21:55	2.20E+05	Anisotropic	Link
377	A	245	2012-09-01	04:45	30	19:45	1.21E+02	Very gradual rise, potential second increase starts on Sep 2, ~0 UT and rises until Sep 4 ~16 UT	Link
378	B	258	2012-09-14	10:55	10	14:45	1.37E+02	Anisotropic	Link
379	A	258	2012-09-14	17:08	5	19:45	4.92E+02		Link
380	A	261	2012-09-17	00:25	10	00:55	1.80E+02		Link
381	A	262	2012-09-18	16:20	1	18:45	1.33E+03	Period during ion contamination, anisotropy from NORTH	Link
382	A	262	2012-09-18	19:49	1	20:45	7.41E+03	Period during ion contamination, anisotropy from NORTH	Link
383	A	263	2012-09-19	11:42	1	13:15	1.25E+04	Anisotropic, period during ion contamination	Link
384	B	263	2012-09-19	15:15	30	01:45	3.31E+05	Max on day 267, increase possibly contains several injections, period during ion contamination	Link
385	A	264	2012-09-20	07:10	20	04:10	1.93E+05	Anisotropy from NORTH, period of ion contamination, increase probably contains several injections	Link
386	A	271	2012-09-27	10:43	1	13:55	2.55E+05	Anisotropic	Link
387	B	272	2012-09-28	00:38	1	02:25	1.75E+04	Anisotropy from NORTH	Link
388	B	274	2012-09-30	~ 11:00	60	10:50	2.89E+03	Very gradual rise	Link
389	A	281	2012-10-07	22:35	10	02:35	4.15E+02	anisotropy from SOUTH	Link
390	B	282	2012-10-08	14:58	5	19:45	3.09E+03	Anisotropy from NORTH	Link
391	A	288	2012-10-14	01:02	1	02:45	2.95E+03	Strong anisotropy	Link

Solar Electron Events observed by the Solar Electron and Proton Telescope (SEPT) onboard STEREO

	392	B	288	2012-10-14	03:10	20	04:50	2.34E+02	Anisotropic short duration spike	Link
	393	B	289	2012-10-15	19:30	20	19:30	3.01E+02	Period during ion contamination	Link
	394	A	293	2012-10-19	17:55	10	18:55	6.73E+02		Link
	395	A	295	2012-10-21	23:58	5	04:35	3.66E+02	Anisotropic	Link
	396	B	296	2012-10-22	01:50	20	16:50	2.02E+02	Period during ion contamination	Link
	397	B	300	2012-10-26	12:33	5	13:25	8.84E+02	Very spiky structure after the first maximum	Link
	398	A	300	2012-10-26	14:15	30	20:45	4.10E+01		Link
	399	A	310	2012-11-05	23:18	5	23:55	2.25E+02	Anisotropy and spike like profile in NORTH telescope	Link
	400	A	311	2012-11-06	07:43	5	09:35	8.84E+02		Link
	401	A	311	2012-11-06	14:03	5	17:35	1.78E+03		Link
	402	B	313	2012-11-08	03:13	5	08:05	4.10E+02	Very anisotropic	Link
	403	A	313	2012-11-08	11:00	1	11:45	2.30E+04	Anisotropic	Link
	404	B	315	2012-11-10	06:38	15	09:38	3.28E+02	Period during ion contamination	Link
	405	B	317	2012-11-12	14:35	10	16:45	4.21E+02	Period during ion contamination, onset on top of rising background	
	406	B	318	2012-11-13	03:18	5	05:05	1.02E+03	Period during ion contamination	
	407	B	318	2012-11-13	21:23	5	23:45	2.21E+03	Period during ion contamination	
	408	A	326	2012-11-21	05:05	10	06:55	2.63E+02	on top of increased background	Link
	409	B	326	2012-11-21	16:03	5	17:05	5.71E+02		Link
	410	A	328	2012-11-23	23:36	1	01:35	4.38E+03	Very anisotropic, period during ion contamination	Link
	411	B	329	2012-11-24	15:53	5	16:15	4.88E+02	Anisotropy from NORTH, period of ion contamination	Link
	412	B	332	2012-11-27	05:25	10	10:25	1.81E+02	Period during ion contamination	Link
	413	A	337	2012-12-02	16:42	1	18:25	1.82E+03	Very anisotropic	Link
	414	B	340	2012-12-05	00:46	1	02:05	3.48E+02	Anisotropic, period during ion contamination	Link
	415	A	344	2012-12-09	17:25	10	17:35	4.76E+01	Anisotropic	Link
	416	A	344	2012-12-09	20:55	10	21:45	6.00E+01	Anisotropic	Link
	417	A	345	2012-12-10	00:35	1	01:15	7.00E+02	Anisotropic	Link
	418	A	345	2012-12-10	07:48	5	08:35	8.98E+02	Anisotropic	Link
	419	A	345	2012-12-10	13:18	1	13:45	6.30E+02	Anisotropic	Link
	420	A	345	2012-12-10	22:35	10	23:35	1.42E+02	Anisotropic	Link
	421	A	346	2012-12-11	05:58	5	06:45	3.22E+02	Anisotropic	Link
	422	A	351	2012-12-17	21:45	10	00:25	8.35E+02	Event on top of very gradual increase since doy 350. During period of ion contamination, further increase on top	Link
	423	B	351	2012-12-17	23:15	10	23:15	8.20E+01	Anisotropy from ASUN	Link
	424	B	353	2012-12-18	11:35	10	14:05	7.85E+01	Anisotropic	Link
	425	B	353	2012-12-18	20:45	1	21:25	4.29E+02	Anisotropic	Link
	426	B	355	2012-12-20	10:23	5	10:25	1.37E+02	Short duration spike, anisotropy from NORTH	Link
	427	A	357	2012-12-22	12:55	10	13:05	3.35E+02	Short duration spike, anisotropic	Link
	428	B	360	2012-12-25	02:55	10	09:25	3.07E+02		Link
	429	A	363	2012-12-28	10:03	5	10:25	1.14E+02	Anisotropy from NORTH	Link
	430	A	366	2012-12-31	05:35	10	10:35	4.82E+01		Link
2013	431	A	006	2013-01-06	20:08	1	20:35	3.05E+02	Anisotropic	Link
	432	A	006	2013-01-06	23:13	5	00:55	2.96E+03	Anisotropic, increase on top of previous event, another increase follows at ~04:10	Link
	433	B	007	2013-01-07	03:15	30	13:15	5.19E+01		Link
	434	B	010	2013-01-10	15:05	10	05:15	1.24E+02	Very gradual rise	Link
	435	A	012	2013-01-12	08:30	20	16:30	5.23E+01	Small, gradual increase	Link
	436	B	012	2013-01-12	20:15	10	21:15	4.20E+02	On top of increased background, anisotropic	Link
	437	A	013	2013-01-13	14:25	10	14:55	6.14E+01	Short duration spike, only in SOUTH telescope	Link
	438	A	015	2013-01-15	17:48	5	19:25	1.30E+02	Anisotropic	Link
	439	A	018	2013-01-18	06:30	60	00:30	3.06E+01	Very gradual rise	Link
	440	B	018	2013-01-18	18:15	30	04:45	1.99E+01	Small gradual event	Link
	441	B	022	2013-01-02	12:10	20	11:30	3.75E+01	gradual increase	Link

Solar Electron Events observed by the Solar Electron and Proton Telescope (SEPT) onboard STEREO

442	B	029	2013-01-29	03:10	20	03:50	2.18E+01	short duration spike	Link
443	B	031	2013-01-31	10:15	30	10:45	7.13E+01	Very gradual rise, max on day 32	Link
444	A	033	2013-02-02	20:35	10	21:15	6.30E+01	Short duration spike, anisotropy from NORTH and ASUN	Link
445	A	034	2013-02-03	09:05	10	09:45	3.43E+01		Link
446	A	035	2013-02-04	06:25	10	08:55	3.32E+01		Link
447	A	035	2013-02-04	21:13	5	22:45	3.05E+02	Anisotropic spike before event	Link
448	B	035	2013-02-04	21:53	5	23:06	1.31E+02	Anisotropic	Link
449	B	036	2013-02-05	08:53	5	11:25	5.27E+02	Very anisotropic	Link
450	A	036	2013-02-05	09:23	5	10:15	2.44E+02	Anisotropic, spike-like	Link
451	B	037	2013-02-06	02:25	5	04:55	6.52E+02	Slightly anisotropic	Link
452	A	042	2013-02-11	17:15	10	18:45	1.00E+02		Link
453	B	048	2013-02-17	11:05	10	---	---	Gradual rise, max during period of ion contamination	Link
454	B	056	2013-02-25	14:38	5	15:25	8.90E+01	Anisotropic spike	Link
455	A	056	2013-02-25	19:15	30	04:45	1.64E+02		Link
456	A	058	2013-02-27	00:15	30	09:45	9.15E+02	Gradual, anisotropic	Link
457	A	061	2013-03-02	05:25	10	06:15	8.66E+03	Very anisotropic spike in SUN telescope (probably a double-spike)	Link
458	A	062	2013-03-03	08:25	10	08:25	3.08E+02	Very anisotropic spike in SUN telescope	Link
459	A	062	2013-03-03	18:05	10	18:05	1.77E+02	Very anisotropic spike in SUN telescope	Link
460	A	062	2013-03-03	22:15	10	22:45	2.76E+02	Very anisotropic spike in SUN telescope	Link
461	B	064	2013-03-05	00:25	10	00:35	6.66E+02	Anisotropic	Link
462	A	064	2013-03-05	03:40	1	05:15	4.54E+05	Anisotropic	Link
462	B	064	2013-03-05	05:15	10	23:05	9.59E+03	Afterwards further rise until mid of day 66, then ion contaminations sets in	Link
463	B	074	2013-03-15	07:08	5	08:55	3.23E+03	Anisotropic	Link
464	B	090	2013-03-31	15:45	10	15:45	1.03E+02	Anisotropic spike in SUN telescope, some smaller spikes before	Link
465	A	095	2013-04-05	07:35	10	08:05	5.20E+01	Anisotropic	Link
466	A	096	2013-04-06	12:05	10	12:15	4.50E+01		Link
467	B	101	2013-04-11	07:26	1	09:05	1.27E+05	Anisotropic	Link
467	A	101	2013-04-11	15:00	120	03:00	6.21E+01	Very gradual event, max on day 103	
468	A	105	2013-04-15	00:55	10	02:15	2.82E+02	Slightly anisotropic, small event on top of increased background	Link
469	A	106	2013-04-16	02:15	30	03:15	3.29E+02		Link
470	A	106	2013-04-16	08:50	20	09:10	6.11E+02		Link
471	A	107	2013-04-17	17:30	20	21:10	2.42E+02		Link
472	B	110	2013-04-20	01:45	10	01:55	4.84E+01		Link
473	B	110	2013-04-20	08:59	1	09:05	5.81E+02	Anisotropic	Link
474	B	110	2013-04-20	17:42	1	17:55	3.07E+03	Very anisotropic	Link
475	B	113	2013-04-23	14:45	10	15:35	9.41E+01		Link
476	B	114	2013-04-24	17:58	10	18:05	1.84E+02	Short duration spike in SUN telescope	Link
477	B	114	2013-04-24	20:13	1	20:25	1.96E+03	Anisotropic	Link
478	A	114	2013-04-24	22:43	5	03:25	2.62E+03	Anisotropic, spike in SOUTH at the beginning	Link
479	A	119	2013-04-29	03:02	1	03:55	1.26E+03	Anisotropy from NORTH	Link
480	B	119	2013-04-29	08:15	30	10:45	9.28E+01	Event on top of small increase before	Link
481	A	121	2013-05-01	04:15	30	08:45	7.60E+02		Link
481	B	121	2013-05-01	04:25	10	05:55	6.64E+02	Anisotropy from ASUN	Link
482	A	128	2013-05-08	11:15	10	11:15	5.61E+01	Anisotropic spike	Link
483	B	132	2013-05-12	20:43	1	20:55	4.93E+03	Very anisotropic	Link
484	A	132	2013-05-12	23:38	1	01:05	5.91E+02		Link
485	B	133	2013-05-13	02:30	1	03:35	2.09E+05	Anisotropic	Link
486	B	133	2013-05-13	12:53	1	12:55	1.66E+04	Short duration spike in NORTH telescope	Link
487	B	133	2013-05-13	13:24	1	13:25	2.14E+04	short duration spike	Link
488	B	133	2013-05-13	16:33	5	20:25	9.92E+04	Anisotropic, second increase on top	Link

Solar Electron Events observed by the Solar Electron and Proton Telescope (SEPT) onboard STEREO

489	A	133	2013-05-13	17:25	10	19:55	7.00E+02	Anisotropic	Link
490	A	134	2013-05-14	01:53	5	04:25	3.75E+03		Link
491	A	134	2013-05-14	17:55	10	18:55	1.63E+03	Anisotropy from SOUTH	Link
492	A	135	2013-05-15	04:15	10	04:25	1.56E+03	Anisotropic	Link
493	B	137	2013-05-17	21:43	1	21:45	3.43E+03	Anisotropic spike	Link
494	B	138	2013-05-18	00:34	1	00:34	2.67E+03	Anisotropic spike	Link
495	B	139	2013-05-19	22:03	5	22:15	1.84E+03	Anisotropy from SOUTH	Link
496	B	142	2013-05-22	14:05	10	17:45	8.67E+02	Double spike	Link
497	B	143	2013-05-23	00:15	10	01:05	3.05E+03	Anisotropic from SOUTH, spike-like	Link
498	B	144	2013-05-24	02:15	10	04:05	3.89E+03		Link
499	A	145	2013-05-25	16:35	10	00:55	5.56E+04	Gradual but very spiky increase	Link
500	A	162	2013-06-11	20:45	30	05:45	4.15E+01		Link
501	B	166	2013-06-15	00:10	20	14:50	1.57E+02		Link
502	A	167	2013-06-16	22:45	30	13:15	4.31E+01	Two-step increase	Link
503	B	168	2013-06-17	04:45	10	12:05	6.20E+03	Slightly anisotropic, spiky increase	Link
504	B	172	2013-06-21	03:14	1	03:55	1.00E+05	Anisotropic	Link
505	A	172	2013-06-21	07:30	20	08:10	9.97E+01	Anisotropic spike followed by a long gradual increase	Link
506	A	179	2013-06-28	01:10	20	01:50	1.56E+03	Anisotropic	Link
507	A	180	2013-06-29	06:10	20	07:10	1.41E+03	Anisotropic	Link
508	B	181	2013-06-30	08:03	5	08:15	6.50E+02	Anisotropic	Link
509	B	181	2013-06-30	12:03	5	12:45	2.54E+03	Anisotropic	Link
510	B	182	2013-07-01	21:23	5	00:55	2.61E+03	Two-step increase, anisotropic, period of ion contamination follows	Link
511	A	185	2013-07-04	21:59	1	22:05	6.82E+02	Very anisotropic spike	Link
512	A	186	2013-07-05	13:21	1	13:25	1.71E+03	Very anisotropic spike	Link
513	B	191	2013-07-10	06:23	5	06:25	2.87E+02	Very narrow anisotropic spike	Link
514	B	199	2013-07-18	18:38	5	18:55	3.10E+01	Anisotropic	Link
515	B	199	2013-07-18	20:23	5	20:55	4.74E+02	Anisotropic	Link
516	B	202	2013-07-21	09:25	10	10:25	7.80E+01	Anisotropic	Link
517	A	203	2013-07-22	06:42	1	10:15	7.62E+03	Anisotropic	Link
518	B	203	2013-07-22	09:25	10	12:55	5.55E+01	Further spiky rise after max	Link
519	B	207	2013-07-26	08:46	1	08:45	1.32E+02	Anisotropic	Link
520	B	207	2013-07-26	10:24	1	10:25	2.40E+03	Anisotropic	Link
521	B	207	2013-07-26	11:33	1	11:40	1.03E+03	Anisotropic	Link
522	A	216	2013-08-04	18:53	15	19:08	4.85E+01		Link
523	B	218	2013-08-06	02:38	15	04:53	5.16E+01	Anisotropic	Link
524	B	221	2013-08-09	20:45	10	22:55	5.51E+01		Link
525	A	228	2013-08-16	04:53	15	06:08	3.63E+01	Slightly anisotropic	Link
526	A	228	2013-08-16	11:05	10	11:45	2.67E+02	Anisotropic	Link
527	A	230	2013-08-18	16:15	30	---	---	Maximum masked by a following increase	Link
528	A	232	2013-08-20	01:15	30	11:15	2.41E+05	Max on day 233	Link
528	B	232	2013-08-20	03:25	10	10:45	3.28E+04	Max on day 233	Link
529	A	241	2013-08-29	16:30	20	21:50	1.74E+02	Increase on top of a decaying background	Link
530	B	242	2013-08-30	03:08	5	05:25	4.21E+03		Link
531	A	247	2013-09-04	12:48	5	14:05	5.57E+02	Anisotropic	Link
531	B	247	2013-09-04	13:15	10	14:15	7.37E+01		Link
532	A	249	2013-09-06	21:03	5	22:35	1.48E+03	Anisotropic	Link
532	B	249	2013-09-06	21:05	5	23:35	2.78E+02	Anisotropic	Link
533	B	261	2013-09-18	19:50	20	20:50	2.85E+01	Anisotropic	Link
534	B	267	2013-09-24	22:05	10	03:25	1.46E+02	Anisotropy from SOUTH	Link
535	A	272	2013-09-29	08:15	10	09:15	5.79E+01	Anisotropic	Link

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536	A	272	2013-09-29	21:15	10	22:55	1.67E+02	Anisotropic, double peak	Link
537	B	273	2013-09-30	00:30	20	15:10	1.03E+03	Anisotropy from NORTH during the early rising phase	
538	A	278	2013-10-05	07:45	10	16:35	4.61E+04	Anisotropic	Link
539	B	278	2013-10-05	11:10	20	---	---	Max is saturated by period of ion contamination	Link
540	B	282	2013-10-09	02:45	10	04:45	8.21E+02	Anisotropic	Link
541	A	284	2013-10-11	07:39	1	08:55	9.55E+04	Slightly anisotropic	Link
541	B	284	2013-10-11	07:51	1	13:55	9.19E+03	Anisotropic	Link
542	A	290	2013-10-17	02:58	5	03:03	3.85E+02	Anisotropic short duration spike from ASUN, a second spike follows	Link
543	A	290	2013-10-17	04:53	5	06:15	2.95E+03	Strong anisotropy in NORTH/SOUTH	Link
543	B	290	2013-10-17	05:50	20	08:10	2.47E+02		Link
544	B	292	2013-10-19	13:55	10	14:25	2.56E+02	Anisotropic	Link
545	B	293	2013-10-20	02:53	1	03:05	7.91E+02	Anisotropic	Link
546	B	293	2013-10-20	13:08	5	13:13	7.68E+02	Anisotropic short duration spike	Link
547	B	293	2013-10-20	14:11	1	14:13	8.58E+02	Anisotropic short duration spike	Link
548	B	293	2013-10-20	15:14	1	15:15	1.68E+03	Anisotropic short duration spike	Link
549	B	295	2013-10-22	12:53	5	12:55	6.16E+01	Anisotropic short duration spike	Link
550	A	295	2013-10-22	13:02	1	13:15	1.34E+02		Link
551	B	295	2013-10-22	17:18	5	17:35	1.15E+02	Anisotropic short duration spike	Link
552	B	295	2013-10-22	21:53	5	00:15	1.58E+03	Anisotropic	Link
553	B	298	2013-10-25	04:05	10	05:05	1.18E+02	Anisotropic	Link
554	B	298	2013-10-25	08:58	5	10:35	1.83E+04	Anisotropic, second increase on top at ~15:40	Link
554	A	298	2013-10-25	09:45	30	06:15	1.38E+02		Link
555	A	301	2013-10-28	08:08	15	22:53	8.02E+02	Anisotropic. Possibly two mixed increases	Link
556	B	301	2013-10-28	14:30	20	22:30	2.52E+03	Slightly anisotropic	Link
557	A	306	2013-11-02	04:41	1	05:25	6.48E+04		Link
557	B	306	2013-11-02	05:43	5	09:45	1.15E+03	Anisotropic	Link
558	B	309	2013-11-05	22:53	1	23:25	2.95E+04	Small spiky event on top of increased background, anisotropic, first seen in NORTH, period of ion contamination	Link
559	B	311	2013-11-07	10:38	1	11:25	1.06E+05	very anisotropic in NORTH/SOUTH	Link
559	A	311	2013-11-07	10:40	1	10:55	7.84E+04	Anisotropic	Link
560	B	312	2013-11-08	13:45	10	14:45	2.87E+05	On top of increased background	Link
561	A	323	2013-11-19	21:25	10	03:35	3.71E+02	Anisotropic	Link
562	A	325	2013-11-21	03:55	10	12:25	4.48E+02		Link
563	A	328	2013-11-24	19:53	5	20:05	8.12E+02	Anisotropic	Link
564	A	330	2013-11-26	15:48	5	16:45	9.96E+02	Slightly anisotropic	Link
565	A	334	2013-11-30	04:35	10	08:55	3.60E+02	Anisotropic	Link
566	B	336	2013-12-02	08:10	20	19:10	3.75E+03	Increase on top of a very gradual increase, period of possible ion contamination	Link
567	A	336	2013-12-02	11:55	10	12:15	5.34E+04	Anisotropy from ASUN, period of ion contamination	Link
568	A	337	2013-12-03	19:58	5	20:15	1.48E+03	Anisotropy from ASUN/SOUTH, period of ion contamination	Link
569	A	341	2013-12-07	21:58	5	22:35	2.33E+03	Anisotropic	Link
570	B	343	2013-12-09	21:45	10	22:05	2.70E+02	Short duration spike, anisotropy from NORTH	Link
571	B	346	2013-12-12	04:48	5	12:55	1.96E+02	Anisotropy from NORTH	Link
572	A	347	2013-12-13	20:18	5	21:05	1.19E+05	Anisotropic	Link
573	A	348	2013-12-14	00:55	10	01:05	3.87E+04	Small increase on top of the previous event, anisotropic	Link
574	A	348	2013-12-14	02:15	10	02:35	7.89E+04	On top of previous event, anisotropic	Link
575	A	348	2013-12-14	06:55	10	08:25	2.03E+05	On top of previous event, anisotropic	Link
576	B	348	2013-12-14	08:05	10	11:25	6.42E+02		Link
577	A	348	2013-12-14	12:25	10	12:25	1.15E+05	On top of previous event, anisotropic	Link
578	A	349	2013-12-15	00:05	10	00:25	7.78E+04	On top of increased background	Link
579	B	349	2013-12-15	03:05	10	03:45	1.76E+03	A second, higher increase follows	Link
580	A	350	2013-12-16	09:25	10	14:35	4.03E+03		Link

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	580	B	350	2013-12-16	09:45	10	14:45	1.25E+03	Increase on top of a decaying background	Link
	581	A	356	2013-12-22	19:55	10	09:25	1.83E+02	Short duration spike in SOUTH followed by a gradual increase	Link
	582	B	356	2013-12-22	21:35	10	05:35	6.73E+02	Period of possible ion contamination	Link
	583	A	359	2013-12-25	14:35	10	14:35	6.49E+02	Anisotropic spike in ASUN/NORTH	Link
	584	A	360	2013-12-26	03:43	5	13:55	2.50E+04	Anisotropic	Link
	584	B	360	2013-12-26	03:55	10	13:45	1.58E+04	Slightly anisotropic	Link
	585	B	365	2013-12-31	11:13	5	11:55	1.03E+04	Anisotropy from SOUTH	Link
	585	A	365	2013-12-31	12:15	10	16:25	6.41E+02		Link
2014	586	A	002	2014-01-02	01:48	5	02:15	1.72E+03	Anisotropy from SOUTH	Link
	587	B	004	2014-01-04	20:23	15	08:23	1.88E+02		Link
	588	A	006	2014-01-06	16:36	10	06:35	2.35E+03	Anisotropic, max on day 7, spiky increase, possibly mixed events	Link
	589	B	006	2014-01-06	17:08	15	05:53	2.21E+02		Link
	590	B	007	2014-01-07	19:50	20	03:50	3.52E+03	Max on day 9, very spiky increase, possibly mixed events	Link
	591	A	008	2014-01-08	17:08	5	21:25	3.85E+04	Slightly anisotropic, period of ion contamination	Link
	592	B	012	2014-01-12	01:45	10	02:55	1.89E+03	Anisotropy from ASUN/NORTH	Link
	593	A	016	2014-01-16	00:18	5	00:25	9.20E+02	Anisotropic spike	Link
	594	A	016	2014-01-16	14:03	5	14:15	1.14E+03	Anisotropic spike in SOUTH	Link
	595	A	016	2014-01-16	15:43	5	19:05	1.67E+03	Anisotropic spike in SOUTH followed by a gradual increase	Link
	596	B	016	2014-01-16	15:45	5	16:05	7.07E+02	Anisotropic spike	Link
	597	B	017	2014-01-17	00:33	5	00:45	6.93E+02	Anisotropic spike	Link
	598	B	017	2014-01-17	20:05	10	22:45	9.83E+02	Anisotropic spike	Link
	599	A	021	2014-01-21	21:23	5	23:35	1.68E+04	Anisotropic	Link
	600	B	022	2014-01-22	00:55	10	02:15	3.23E+03	Max on day 23, step-like increase, possibly mixed events	Link
	601	B	025	2014-01-25	23:25	10	01:15	3.65E+03	Onset during period of ion contamination	Link
	602	B	026	2014-01-26	09:05	10	10:05	1.03E+04	On top of previous event, slightly anisotropic	Link
	603	A	031	2014-01-31	15:35	10	20:55	1.07E+03	Anisotropic	Link
	604	A	034	2014-02-03	08:05	10	08:15	1.95E+02	Anisotropic short duration spike in SOUTH	Link
	605	A	034	2014-02-03	10:05	10	10:15	8.49E+02	Anisotropic short duration spike in SOUTH	Link
	606	A	036	2014-02-05	11:35	10	---	---	Anisotropic, max during period of ion contamination	Link
	607	B	038	2014-02-07	07:43	5	08:15	8.19E+01	Anisotropy in SOUTH and ASUN, possibly ion contamination	Link
	608	B	038	2014-02-07	12:29	1	12:45	8.05E+02	Anisotropic	Link
	609	A	040	2014-02-09	16:29	1	16:50	6.79E+03	Anisotropic	Link
	609	B	040	2014-02-09	16:30	1	16:45	2.94E+02	Very anisotropic	Link
	610	A	041	2014-02-10	23:25	10	01:25	3.99E+02	Anisotropic, period during ion contamination	Link
	611	A	046	2014-02-15	06:55	10	11:05	5.19E+03	Anisotropic, step-like increase, possibly two injections	Link
	612	B	046	2014-02-15	10:05	10	15:55	1.48E+02	Anisotropy from ASUN	Link
	613	A	050	2014-02-19	05:03	5	08:35	1.14E+04	Anisotropic, period of ion contamination	Link
	613	B	050	2014-02-19	05:43	5	15:55	8.20E+02	Anisotropy in SOUTH	Link
	614	B	051	2014-02-20	11:48	5	12:05	5.63E+02	Anisotropic short duration spike in ASUN	Link
	615	A	052	2014-02-21	16:58	5	21:05	6.91E+03	Anisotropic, period of ion contamination	Link
	616	A	056	2014-02-25	01:12	1	02:55	5.49E+04	Anisotropic	Link
	616	B	056	2014-02-25	01:23	1	20:15	9.83E+04		Link
	617	A	060	2014-03-01	16:11	1	16:35	4.16E+03	Anisotropic	Link
	618	A	061	2014-03-02	00:25	10	01:05	2.57E+03	Anisotropic	Link
	619	B	063	2014-03-04	00:48	5	00:55	1.14E+03	Anisotropic short duration spike	Link
	620	A	063	2014-03-04	00:55		01:45	2.21E+03	Anisotropic	Link
	621	A	063	2014-03-04	18:51	1	19:05	6.27E+03	very anisotropic spike followed by a gradual increase	Link
	621	B	063	2014-03-04	19:38	5	02:55	1.82E+03	Anisotropy from NORTH	Link
	622	A	064	2014-03-05	14:08	5	14:25	4.69E+03	Anisotropic	Link
	623	A	064	2014-03-05	17:55	10	19:05	6.41E+03	Anisotropic	Link

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624	B	065	2014-03-06	01:03	5	01:05	1.95E+03	Anisotropic short duration spike	Link
625	B	065	2014-03-06	06:08	1	06:15	1.96E+03	Anisotropic short duration spike	Link
626	B	071	2014-03-12	09:33	5	09:35	4.48E+02	very narrow anisotropic spike	Link
627	A	071	2014-03-12	14:46	1	16:35	3.42E+04	Anisotropic	Link
627	B	071	2014-03-12	15:08	5	21:05	2.10E+03	Anisotropic	Link
628	B	075	2014-03-16	05:25	10	06:35	1.52E+02	Slightly anisotropic	Link
629	B	078	2014-03-19	13:09	1	13:25	8.55E+02	Anisotropic, second increase during decay at ~15:00	Link
630	B	078	2014-03-19	16:53	5	17:05	2.16E+03	Anisotropic	Link
631	A	081	2014-03-22	14:38	5	14:45	7.39E+01		Link
632	A	084	2014-03-25	23:25	1	23:35	4.04E+02	Very anisotropic	Link
633	A	086	2014-03-27	04:15	10	04:15	5.67E+01	Anisotropic short duration spike	Link
634	A	086	2014-03-27	08:08	5	08:15	6.78E+01	Anisotropic short duration spike	Link
635	B	088	2014-03-29	01:33	5	04:35	1.20E+02	Anisotropic	Link
636	B	088	2014-03-29	11:08	5	11:55	2.53E+02	Anisotropic	Link
637	B	089	2014-03-30	07:03	5	08:05	5.79E+02	Anisotropic	Link
638	A	092	2014-04-02	01:45	10	02:05	2.02E+02	Anisotropic	Link
639	B	092	2014-04-02	14:34	1	16:45	4.56E+04	Anisotropic, peak followed by a gradual increase	Link
639	A	092	2014-04-02	14:55	10	17:35	1.89E+02		Link
640	A	094	2014-04-04	10:28	5	10:55	7.48E+02	Anisotropic	Link
641	A	095	2014-04-05	07:05	10	09:15	7.48E+02		Link
642	A	099	2014-04-09	00:35	10	04:45	1.10E+03	Anisotropic, second increase around 7:10 followed by period of ion contamination	Link
642	B	099	2014-04-09	00:55	10	05:25	3.35E+02	Anisotropy from NORTH	Link
643	B	099	2014-04-09	07:45	10	10:25	1.19E+03	Anisotropy from NORTH, on top of previous event	Link
644	A	101	2014-04-11	09:28	5	09:35	6.59E+02	Anisotropic short duration spike, during period of ion contamination	Link
645	A	101	2014-04-11	15:58	5	16:15	5.21E+02	Anisotropic short duration spike in SOUTH, during period of ion contamination	Link
646	A	112	2014-04-22	16:42	1	16:55	2.91E+03	very anisotropic spike followed by a gradual increase	Link
647	B	112	2014-04-22	17:05	10	18:15	1.00E+02	Anisotropic, a second increase follows at ~2:00	Link
648	A	115	2014-04-25	08:53	5	11:05	4.64E+02	Slightly anisotropic	Link
649	A	119	2014-04-29	16:52	1	17:05	7.62E+02	Anisotropy from NORTH	Link
650	A	119	2014-04-29	19:48	1	20:05	1.46E+04	Anisotropic	Link
651	A	120	2014-04-30	11:57	1	12:15	2.04E+03	Anisotropic	Link
652	A	120	2014-04-30	15:03	5	15:05	2.87E+02	Anisotropic spike	Link
653	B	121	2014-05-01	04:15	30	07:15	9.95E+01	Anisotropic	Link
654	B	122	2014-05-02	05:33	1	05:45	2.29E+03	Very anisotropic	Link
654	A	122	2014-05-02	05:34	1	05:45	1.56E+03	Very anisotropic	Link
655	A	123	2014-05-03	04:23	5	04:35	6.21E+01	Anisotropic	Link
656	A	123	2014-05-03	06:52	1	06:55	1.91E+02	Anisotropic	Link
657	A	125	2014-05-05	01:58	5	05:35	1.31E+02	Anisotropic	Link
658	A	125	2014-05-05	15:29	1	15:45	4.68E+03	Anisotropic	Link
658	B	125	2014-05-05	15:45	10	16:05	3.48E+02	Anisotropic	Link
659	A	130	2014-05-10	04:03	5	04:05	2.20E+02	Very anisotropic	Link
660	A	135	2014-05-15	20:59	1	22:05	2.07E+03	Very anisotropic	Link
660	B	135	2014-05-15	21:12	1	22:15	5.75E+02	Anisotropic	Link
661	B	141	2014-05-21	02:25	10	03:05	6.46E+01	Anisotropic	Link
662	A	146	2014-05-26	17:12	1	17:25	3.49E+03	Anisotropic	Link
663	B	146	2014-05-26	18:05	10	21:55	2.94E+01		Link
664	A	147	2014-05-27	14:53	5	15:05	3.56E+02	Anisotropic	Link
665	B	147	2014-05-27	15:53	15	18:38	3.67E+01		Link
666	A	148	2014-05-28	01:03	5	01:05	1.03E+02	Very narrow anisotropic spike	Link
667	A	148	2014-05-28	06:53	5	07:05	1.10E+02	Anisotropic spike	Link

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	668	A	149	2014-05-29	09:07	1	09:25	7.82E+02	Very anisotropic	Link
	668	B	149	2014-05-29	09:11	1	09:35	7.63E+03	Very anisotropic	Link
	669	B	155	2014-06-04	10:05	10	17:35	1.44E+02	On top of a gradual increase, another gradual increase follows around 19:30	Link
	670	A	155	2014-06-04	15:45	10	17:35	1.43E+02	Anisotropic, period of ion contamination	Link
	671	A	156	2014-06-05	00:45	10	01:15	3.24E+02	Anisotropic, second increase around 2:40	Link
	672	A	156	2014-06-05	03:52	1	04:05	3.78E+03	Anisotropic	Link
	673	A	156	2014-06-05	09:53	5	10:05	1.48E+03	Anisotropic	Link
	674	A	156	2014-06-05	11:33	5	12:25	3.11E+03	Anisotropic	Link
	675	B	156	2014-06-05	14:35	10	14:55	7.78E+02	Anisotropic, during period of ion contamination	Link
	676	A	157	2014-06-06	02:43	5	03:25	1.02E+03	Anisotropic	Link
	677	A	157	2014-06-06	13:08	5	15:55	1.53E+04	Anisotropic	Link
	678	B	157	2014-06-06	14:55	10	20:55	3.21E+03	gradual increase	Link
	679	B	157	2014-06-06	22:58	1	23:06	8.96E+03	Very anisotropic, on top of previous event	Link
	680	B	158	2014-06-07	16:30	1	21:45	1.49E+04	Anisotropic	Link
	681	B	160	2014-06-09	17:40	1	17:55	3.89E+03	Plateau-like maximum	Link
	681	A	160	2014-06-09	18:05	10	20:15	4.79E+03	Anisotropy from NORTH	Link
	682	B	161	2014-06-10	08:45	1	10:45	1.06E+04	Anisotropic double-spike in NORTH	Link
	683	A	161	2014-06-10	10:25	10	12:55	2.22E+03	anisotropy in SOUTH	Link
	684	B	161	2014-06-10	12:28	1	17:15	5.80E+04	very spiky increase, anisotropic	Link
	684	A	161	2014-06-10	13:35	10	18:45	2.92E+04	very spiky increase, anisotropic	Link
	685	A	168	2014-06-17	09:35	10	10:55	1.39E+03	anisotropy in SOUTH	Link
	685	B	168	2014-06-17	13:45	30	11:15	8.83E+01	Event on top of decaying background	Link
	686	A	170	2014-06-19	04:43	5	07:15	3.81E+02	Anisotropic	Link
	687	A	170	2014-06-19	03:25	10	03:45	3.77E+02	Spike-like, followed by a gradual increase, anisotropic	Link
	688	A	172	2014-06-21	04:03	5	04:45	7.07E+02	Anisotropic short duration spike in ASUN	Link
	689	A	174	2014-06-23	03:45	10	03:55	9.58E+02	Anisotropic short duration spike	Link
	690	A	174	2014-06-23	14:35	10	14:45	4.45E+02	Anisotropic	Link
	691	A	174	2014-06-23	17:05	10	17:15	3.86E+02	Anisotropic	Link
	692	B	176	2014-06-25	23:09	1	23:25	3.89E+03	Very anisotropic	Link
	693	B	177	2014-06-26	11:16	1	11:16	8.55E+02	Anisotropic	Link
	694	A	177	2014-06-26	13:35	10	13:55	1.20E+02	Anisotropic	Link
	695	B	177	2014-06-26	12:34	1	12:45	7.72E+03	anisotropy in SOUTH	Link
	696	B	177	2014-06-26	14:35	1	14:45	4.66E+03	anisotropy in SOUTH	Link
	697	B	178	2014-06-27	03:13	1	03:15	3.42E+02	Anisotropic	Link
	698	B	179	2014-06-28	17:05	10	18:55	1.20E+02	Anisotropic	Link
	699	A	180	2014-06-29	12:19	1	14:35	2.35E+03	Anisotropic	Link
	700	B	180	2014-06-29	23:15	30	20:45	2.06E+03	Gradual step-like increase, probably several events	Link
	701	A	182	2014-07-01	06:28	5	08:55	2.77E+03	Anisotropic	Link
	702	A	182	2014-07-01	07:13	5	08:55	2.77E+03	Anisotropic	Link
	703	A	182	2014-07-01	22:23	5	23:25	2.15E+03	Anisotropy in NORTH	Link
	704	A	184	2014-07-03	04:15	10	04:25	5.36E+02	Anisotropy in NORTH	Link
	705	B	188	2014-07-07	14:55	10	15:35	4.52E+01	Anisotropic	Link
	706	B	188	2014-07-07	17:05	10	17:45	1.02E+02	Another peak on decay phase around 19:05, anisotropic	Link
	707	B	189	2014-07-08	03:23	15	04:45	4.56E+02	Slightly anisotropic	Link
	708	B	189	2014-07-08	17:13	5	20:15	7.60E+02		Link
	709	B	198	2014-07-17	08:34	1	08:45	3.85E+02	Anisotropic	Link
	709	A	198	2014-07-17	08:43	5	09:35	3.86E+02	Anisotropic	Link
	710	A	198	2014-07-17	21:43	5	21:55	2.76E+02	Anisotropic	Link
	711	A	199	2014-07-18	10:32	1	10:35	3.19E+02	Anisotropy in SOUTH, short duration spike	Link
	712	A	199	2014-07-18	15:53	5	15:55	8.47E+02	Anisotropy in SOUTH, short duration spike	Link

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	713	A	199	2014-07-18	20:28	5	20:35	2.36E+02	Anisotropy in SOUTH, short duration spike	Link
	714	A	200	2014-07-19	19:54	1	19:55	1.20E+03	Anisotropic	Link
	715	B	200	2014-07-19	20:15	10	20:25	3.42E+01	Very short duration spike in SUN	Link
	716	A	201	2014-07-20	16:47	1	16:55	6.60E+01		Link
	717	A	201	2014-07-20	17:54	1	18:05	3.39E+02		Link
	718	B	201	2014-07-20	18:35	10	18:45	4.94E+01	Anisotropic short duration spike on top of a gradual increase	Link
	719	A	204	2014-07-23	02:30	1	02:45	1.38E+02	Anisotropic	Link
	720	B	205	2014-07-24	15:08	15	22:08	4.10E+01	Step-like increase possibly consisting of several mixed events	Link
	721	A	205	2014-07-24	16:11	1	16:25	2.44E+02	Anisotropic	Link
	722	A	205	2014-07-24	20:18	5	20:35	2.38E+02	Anisotropic	Link
	723	B	207	2014-07-26	06:05	10	07:05	5.95E+01	Anisotropic	Link
	724	A	207	2014-07-26	10:58	5	11:55	2.38E+02	Anisotropic	Link
	724	B	207	2014-07-26	11:25	10	12:35	1.57E+02	Anisotropic	Link
	725	A	207	2014-07-26	18:05	10	18:45	3.83E+02	Anisotropic	Link
	726	B	209	2014-07-28	14:25	1	15:45	2.47E+03	Anisotropic	Link
	727	B	211	2014-07-30	16:26	1	17:55	7.27E+03	Anisotropic	Link
	728	A	213	2014-08-01	16:35	1	16:45	2.66E+03	Anisotropic	Link
	728	B	213	2014-08-01	16:55	1	18:05	4.46E+02	Slightly anisotropic	Link
	729	A	213	2014-08-01	23:43	1	23:55	5.58E+03	Anisotropic	Link
	729	B	213	2014-08-01	23:53	1	00:45	1.52E+03	Slightly anisotropic	Link
	730	B	218	2014-08-06	09:50	20	15:50	1.26E+02	Anisotropic, on top of a very gradual rise	Link
	731	A	219	2014-08-07	06:26	1	06:35	2.00E+03	Very anisotropic	Link
	732	B	219	2014-08-07	06:50	20	07:10	1.06E+02		Link
	733	B	233	2014-08-21	11:30	1	11:35	1.51E+03	Anisotropic	Link
	734	B	234	2014-08-22	11:17	1	11:25	1.45E+03	Anisotropic	Link
	735	B	236	2014-08-24	13:05	10	15:05	8.01E+01		Link
	736	B	240	2014-08-28	17:58	5	00:25	9.06E+02		Link
	737	B	244	2014-09-01	11:43	1	19:05	8.35E+05	Anisotropic	Link
	738	B	253	2014-09-10	19:15	10	09:15	1.63E+03		Link
	739	B	256	2014-09-13	18:15	10	20:05	7.66E+02	Spike in NORTH and ASUN, on the rising flank of a very gradual increase	Link
	740	B	266	2014-09-23	09:45	10	15:45	5.33E+02		Link
	741	B	267	2014-09-24	22:18	5	07:25	1.65E+04	Anisotropic, followed by a period of ion contamination	Link
STEREO B data until 2014-09-27, period of data gaps in STEREO A data due to superior conjunction from 2014-08-19 until 2015-11-15. Events appearing during data gaps or strongly masked by data gaps are not listed, beacon data are not used for this list.										
2015	742	A	264	2015-09-21	02:21	1	02:45	7.46E+04	Anisotropic, first seen in NORTH telescope	Link
	743	A	322	2015-11-18	23:30	60	14:30	1.08E+03	Very gradual increase, max on day 329, onset determined with cusum method	Link
	744	A	333	2015-11-29	21:05	10	---	---	On top of previous event, maximum during period of ion contamination	Link
	745	A	337	2015-12-03	18:48	5	18:55	6.10E+02	Impulsive but no anisotropy	Link
	746	A	341	2015-12-07	14:57	1	15:45	4.80E+04	Anisotropic	Link
	747	A	351	2015-12-17	14:29	1	14:45	1.47E+03	Anisotropic	Link
	748	A	355	2015-12-21	01:20	1	01:45	2.13E+04	Anisotropic and impulsive	Link
	749	A	355	2015-12-21	05:59	1	06:15	1.28E+04	Very anisotropic, best seen in NORTH	Link
	750	A	364	2015-12-30	01:35	10	01:35	6.30E+01		Link
	751	A	364	2015-12-30	07:13	5	08:35	8.33E+02	Anisotropic	Link
	752	A	365	2015-12-31	10:03	5	10:45	5.38E+02	Anisotropic	Link
2016	753	A	7	2016-01-07	11:25	10	11:25	1.98E+02	Maximum one day later, gradual increase	Link
	754	A	17	2016-01-17	10:25	10	09:35	5.05E+02	Very gradual increase, on top of a rising flank	Link
	755	A	18	2016-01-18	00:35	10	06:05	8.67E+02		Link
	756	A	41	2016-02-10	07:15	10	07:45	6.87E+01	Spike in SOUTH telescope	Link

Solar Electron Events observed by the Solar Electron and Proton Telescope (SEPT) onboard STEREO

	757	A	42	2016-02-11	23:14	3	23:55	8.56E+01		Link
	758	A	46	2016-02-15	15:05	3	15:15	4.82E+02	Anisotropic	Link
	759	A	61	2016-03-01	10:35	10	10:55	3.22E+01		Link
	760	A	67	2016-03-07	---	10	15:05	4.14E+02	Onset during data gap	Link
	761	A	74	2016-03-14	01:45	10	02:05	7.71E+02	Small spike in SUN	Link
	762	A	75	2016-03-15	05:25	10	06:25	4.38E+02	Anisotropic	Link
	763	A	76	2016-03-16	16:15	10	22:25	3.81E+02	Double spike, anisotropic	Link
	764	A	95	2016-04-04	10:05	10	10:15	1.25E+02	Small spike in SUN	Link
	765	A	107	2016-04-16	16:53	15	18:53	3.15E+01		Link
	766	A	116	2016-04-25	00:25	10	13:55	4.40E+02	Gradual increae	Link
	767	A	116	2016-04-25	02:36	1	03:05	3.11E+02	Anisotropic spike in SOUTH on top of gradual increase, followed by a narrow spike	Link
	768	A	118	2016-04-27	18:08	15	19:38	1.12E+03		Link
	769	A	119	2016-04-28	10:16	1	10:35	8.02E+02	Anisotropic spike in SOUTH	Link
	770	A	119	2016-04-28	19:01	1	19:15	4.49E+03	Impulsive and anisotropic	Link
	771	A	123	2016-05-02	10:50	20	16:10	3.80E+01		Link
	772	A	125	2016-05-04	01:10	20	01:30	3.32E+01	Small spike in SUN	Link
	773	A	130	2016-05-09	11:00	120	05:00	6.18E+01	Very gradual increase, onset uncertain	Link
	774	A	136	2016-05-15	07:13	5	07:53	2.09E+02	Anisotropic spike in SOUTH	Link
	775	A	136	2016-05-15	19:50	20	05:10	2.54E+02		Link
	776	A	152	2016-05-31	21:50	20	03:10	7.53E+01		Link
	777	A	155	2016-06-03	12:50	20	01:30	9.69E+01		Link
	778	A	164	2016-06-12	18:15	10	19:25	7.88E+01	short duration spike	Link
	779	A	165	2016-06-13	16:00	120	13:00	1.64E+02	Very gradual increase, max on day 169	Link
	780	A	172	2016-06-20	10:45	30	11:45	8.47E+01	Spike-like increase	Link
	781	A	176	2016-06-24	20:30	60	---	---	Steady increase until day 184	Link
	782	A	184	2016-07-02	04:30	20	09:10	3.10E+03	Double peak structure, possibly shock-associated	Link
	783	A	185	2016-07-03	05:08	5	06:55	1.85E+03	Double spike in SOUTH	Link
	784	A	185	2016-07-03	13:18	5	15:15	1.34E+03	Series of three to four spikes in SOUTH	Link
	785	A	216	2016-08-03	17:35	10	19:05	2.07E+02		Link
	786	A	221	2016-08-08	09:15	30	13:15	1.17E+02		Link
	787	A	235	2016-08-22	11:50	20	03:30	5.08E+02	Event on top of a very gradual increase	Link
	788	A	259	2016-09-15	00:08	5	05:55	1.79E+02		Link
	789	A	263	2016-09-19	00:45	10	00:55	3.97E+02	Maximum is one day later	Link
	790	A	264	2016-09-20	08:43	5	09:35	8.34E+02	Short duration spike (maybe double spike)	Link
	791	A	268	2016-09-24	06:23	5	06:55	6.58E+02	Anisotropic spike in SOUTH	Link
	792	A	269	2016-09-25	20:08	5	20:55	1.41E+03	Anisotropic	Link
	793	A	270	2016-09-26	14:13	5	15:15	7.69E+02	Small spike in ASUN, anisotropic	Link
	794	A	299	2016-10-25	01:21	1	13:35	6.76E+02	Very spiky event with sudden decay	Link
	795	A	316	2016-11-11	11:57	1	12:05	2.15E+03	Anisotropic event, best seen in ASUN	Link
	796	A	323	2016-11-18	05:03	1	05:15	2.87E+02	Anisotropic spike in SUN	Link
	797	A	323	2016-11-18	19:23	1	19:35	2.54E+03	Anisotropic spike in SUN	Link
	798	A	324	2016-11-19	07:25	5	07:35	3.43E+02	Small spike in SUN, followed by a spiky period	Link
	799	A	324	2016-11-19	19:38	5	19:45	4.85E+02	Small spike in SOUTH	Link
	800	A	338	2016-12-03	04:15	10	08:55	4.76E+02	Event on top of a very gradual increase, anisotropic	Link
2017	801	A	12	2017-01-12	16:53	15	19:08	4.63E+01	Spike	Link
	802	A	49	2017-02-18	14:05	10	14:15	7.43E+01	Spike in South	Link
Total:										
858										