

**S.A. Fuselier 28 July 2000 (Rev 6 Oct 2000)**

Ion outflow events from the IMAGE LENA instrument starting at instrument turn-on

Ion outflow is defined as measurable (visible) counts in the valid events panel of the LENA spectrograms

Date	Day	Time period	FUV data	Comments
6-May-00	126	2356	no?	near perigee
9-May-00	130	2320	no?	near perigee
17-May-00	138	236	no?	just post perigee
6-Jun-00	158	545	yes?	near perigee
8-Jun-00	160	0912-0945	yes	major storm - CME arrival
8-Jun-00	160	1530-1700	yes	intense event, full oval visible at 1620 UT
10-Jun-00	162	1100-1130	yes	full oval visible throughout, disturbed aurora becoming weak
14-Jun-00	166	1415-1450	yes	full oval visible by 1430 UT, moderate aurora
15-Jun-00	167	0405-0430	yes	just post perigee, noon sector not visible until 0432 UT
15-Jun-00	167	2005-2015	yes	weak event, No WIC data (stars)
23-Jun-00	175	1145-1205	yes	noon sector not visible until 1203 UT
24-Jun-00	176	0130-0210	yes	just post perigee, intense event, full oval visible at 0200, disturbed aurora
26-Jun-00	178	1045-1145	yes	intense burst, complete oval not visible until 1130 UT
27-Jun-00	179	0020-0105	yes	complete oval not visible until end of event
2-Jul-00	184	915	yes	virtually no aurora visible in WIC
2-Jul-00	184	2250-2310	yes	intense event, complete oval not visible until end
8-Jul-00	190	0725-0735	yes	only 1/2 of oval visible
8-Jul-00	190	2130	yes	short, weak event, only 1/2 of oval visible, very weak aurora in WIC
13-Jul-00	195	1515-1630	yes	intense event, full oval visible by 1553 UT, very disturbed aurora
27-Jul-00	209	2050-2100	no(?)	short burst
29-Jul-00	211	0120-0230	yes	intense event, full oval not visible until 0152
11-Aug-00	224	0210-0230	yes	good burst well off earth line, first FUV images at ~0225 UT
12-Aug-00	225	0650-0710	yes	weak burst well off earth line, first FUV image ~0704 UT
12-Aug-00	225	2055-2115	yes	strong burst well off earth line, first images ~2107 UT
28-Sep-00	272	1800-1920	yes	weak burst on earth line, first images ~1723 UT, full oval visible 1801 UT
29-Sep-00	273	2210-2320	no(?)	weak sustained burst on Earth direction
30-Sep-00	274	1220-1310	yes	strong burst, first image 1218 UT, full oval visible at 1313 UT

## Showcase events (in priority order)

10-Jun-00 162 1100-1130  
 8-Jun-00 160 1530-1700  
 24-Jun-00 176 0130-0210  
 13-Jul-00 195 1515-1630

left off at 30 Sept