

Table 1

| | Satellites | E , keV | UT | MLT | $\max D_{st} $, nT | $ D_{st} $, nT | L_m |
|----|--------------------|-----------|---------------------------|-------|---------------------|-----------------|---|
| 1 | Explorer-45 | 1–138 | 21.30 UT Dec 17, 1971 | 23.10 | 171 | 167 | 3.1 (Smith and Hoffman, 1973; Fig. 5, orbit 101, inbound) |
| 2 | Explorer-45 | 1–138 | 14.00 UT Feb 24, 1972 | 22 | 86 | 83 | 3.5 (Fritz et al., 1974; Fig. 2, orbit 314, inbound) |
| 3 | AMPTE/CCE | 5–315 | 15.10 UT Sept 04, 1984 | 10.30 | 64 | 46 | 4.1 (Stüdemann et al., 1986; Fig. 3) |
| 4 | AMPTE/CCE | 1–300 | 05.00 UT Sept 05, 1984 | 17.40 | 125 | 78 | 3.4 (Greenspan and Hamilton, 2002; Fig. 2a) |
| 5 | AMPTE/CCE | 30–310 | 00.20 UT Feb 09, 1986 | 17.30 | 307 | 273 | 2.8 (Hamilton et al., 1988; Fig. 7, pass 5) |
| 6 | AMPTE/CCE | 1–300 | 10.00 UT Nov 30, 1988 | 03 | 111 | 37 | 3.4 (Greenspan and Hamilton, 2000; Fig. 3a) |
| 7 | Van Allen Probes B | 10–60 | 09.56 UT Mar 17, 2013 | 19.20 | 132 | 66 | 3.2 (Menz et al., 2017; Fig. 3) |
| 8 | Van Allen Probes B | 10–570 | 10.09 UT Mar 17, 2013 | 20 | 132 | 70 | 3.6 (Menz et al., 2017; Fig. 3) |
| 9 | Van Allen Probes B | 10–60 | 18.58 UT Mar 17, 2013 | 19.30 | 132 | 98 | 3.1 (Menz et al., 2017; Fig. 3) |
| 10 | Van Allen Probes B | 10–570 | 19.00 UT Mar 17, 2013 | 19 | 132 | 98 | 3.1 (Menz et al., 2017; Fig. 3) |
| 11 | Van Allen Probes A | 10–60 | 20.08 UT Mar 17, 2013 | 19.30 | 132 | 117 | 3.0 (Menz et al., 2017; Fig. 3) |
| 12 | Van Allen Probes B | 1–300 | 07.45 UT June 1, 2013 | 01.20 | 124 | 122 | 3.0 (Kistler et al., 2016; Fig. 6) |
| 13 | Van Allen Probes B | 10–600 | 13.10 UT Aug 27, 2014 | 03 | 75 | 58 | 3.6 (Yue et al., 2018; Fig. 1) |
| 14 | Van Allen Probes B | 50–200 | 19.30 UT Mar 17, 2015 | 02 | 234 | 166 | 3.3 (Keika et al., 2018; Figs. 4, and 8) |
| 15 | Van Allen Probes B | 50–200 | 21.30 UT Mar 17, 2015 | 18 | 234 | 190 | 3.2 (Keika et al., 2018; Figs. 4, and 8) |
| 16 | Van Allen Probes A | 1–60 | 23.10 UT Mar 17, 2015 | 03 | 234 | 233 | 2.7 (Menz et al., 2019a; Fig. 1; 2019b; Fig. 6) |
| 17 | Van Allen Probes A | 10–600 | 22.10 UT Mar 6, 2016 | 05 | 99 | 98 | 3.0 (Yue et al., 2019; Fig. 1) |