

# Supporting Information for "Dipolarization Events With Inductive, Radial Electric Fields Observed by Van Allen Probes"

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1. Table S1

**Introduction** This supporting information provides a table of dipolarization events analyzed in this study.

**Table S1.** Dipolarization Events Observed by Van Allen Probes and Analyzed in This Study

Probe	Date	Time <sup>a</sup>	Time <sup>b</sup>	Time <sup>c</sup>	$L^d$	MLT <sup>e</sup>	MLAT <sup>f</sup>
B	2013-05-19	07:45:11	07:45:49	07:48:33	5.5	21.4	7.8
A	2013-06-24	00:39:07	00:40:21	00:43:51	6.3	22.0	18.3
A	2013-07-19	18:02:32	18:03:58	18:07:40	5.5	19.4	9.5
B	2015-01-04	16:47:06	16:48:56	16:50:56	4.1	22.0	-9.3
A	2015-01-04	22:37:29	22:37:54	22:42:57	5.5	23.4	-5.8
B	2015-02-01	23:38:23	23:39:07	23:41:16	5.6	22.3	-3.2
A	2015-02-01	23:39:18	23:39:54	23:40:41	5.4	22.2	-3.2
A	2015-02-01	23:46:36	23:47:52	23:49:46	5.4	22.3	-3.3
A	2015-02-02	18:52:36	18:54:39	19:02:15	6.3	23.2	-17.1
B	2015-03-02	06:31:35	06:32:57	06:33:23	5.7	23.0	-2.0
A	2015-03-07	06:34:08	06:36:26	06:44:09	5.4	21.5	-5.3
B	2015-04-16	08:07:58	08:10:23	08:14:06	5.8	20.3	-10.5
A	2015-04-17	02:48:39	02:51:15	02:58:13	5.8	21.4	4.4
B	2015-04-21	04:49:26	04:53:08	04:57:11	5.3	19.7	-4.4
B	2015-06-09	22:49:06	22:50:41	22:54:50	5.9	19.6	10.8
A	2015-06-09	22:49:22	22:52:07	22:54:43	6.0	19.3	11.1
B	2015-07-05	04:59:53	05:02:10	05:06:09	5.2	19.1	9.7
B	2016-12-22	05:38:35	05:39:30	05:42:06	6.2	22.1	13.8
B	2017-04-01	15:04:22	15:05:51	15:12:00	5.7	19.4	-16.2
B	2017-04-20	03:06:36	03:16:20	03:24:18	4.7	19.6	-2.7
B	2018-09-13	11:04:26	11:06:26	11:10:54	5.9	22.7	-7.9
B	2018-09-13	11:30:24	11:31:46	11:34:53	5.9	23.0	-7.5

<sup>a</sup> Beginning of the dip.<sup>b</sup> Ending of the dip or beginning of the dipolarization front (DF).<sup>c</sup> Ending of the DF.<sup>d</sup> Dipole  $L$  Value.<sup>e</sup> Magnetic Local Time in H.<sup>f</sup> Magnetic Latitude in Deg.