

Supplementary Material

	Summer	Equinox	Winter	Sum
B_Z+	175	251	125	551
B_Y+	181	209	114	504
B_Z-	181	207	125	513
B_Y-	145	229	116	490
Sum	682	896	480	2058

Table S1. Summary of the amount of events remaining after imposing criteria on dipole tilt and IMF clock angle. This table is identical to Table 1 in (Madelaine et al., 2022).

REFERENCES

Madelaine, M., Laundal, K. M., Reistad, J. P., Hatch, S. M., Ohma, A., and Haaland, S. (2022). Geomagnetic response to rapid increases in solar wind dynamic pressure: Event detection and large scale response. *Frontiers in Astronomy and Space Sciences* 9. doi:10.3389/fspas.2022.904620