

Supplementary Information

Evaluation of a GNSS-derived RTK-RISK indicator against global space-weather indices during the May 2024 geomagnetic storm

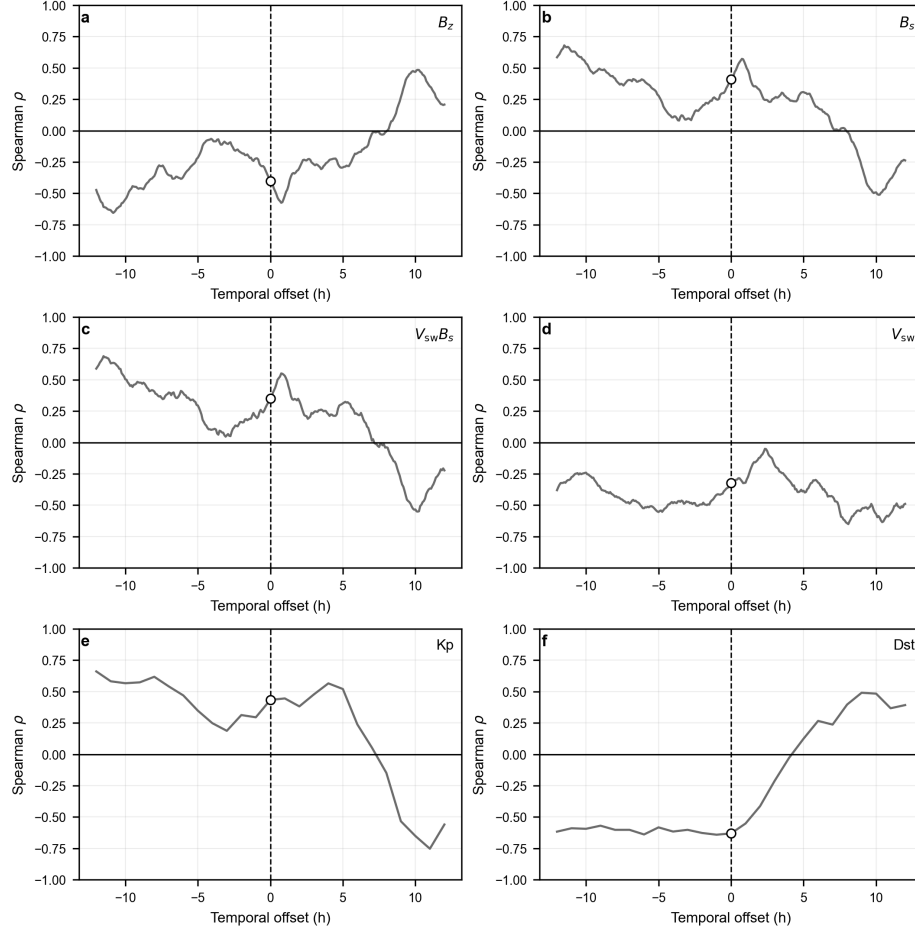


Figure 1: **Supplementary Figure S1.** Sensitivity of the Spearman correlation between RTK_RISK and the analysed space-weather parameters to temporal offsets. Panels show: (a) IMF B_z ; (b) B_s ; (c) $V_{sw}B_s$; (d) V_{sw} ; (e) Kp; and (f) Dst. The dashed vertical line denotes zero temporal offset and the open circle marks the simultaneous correlation coefficient. Long-offset extrema are shown for sensitivity assessment and are not interpreted as physical response times.