Communication

Quick report of the ML=3.3 on 1 January 2023 Guidonia (Rome, Italy) earthquake: evidence of a seismic acceleration

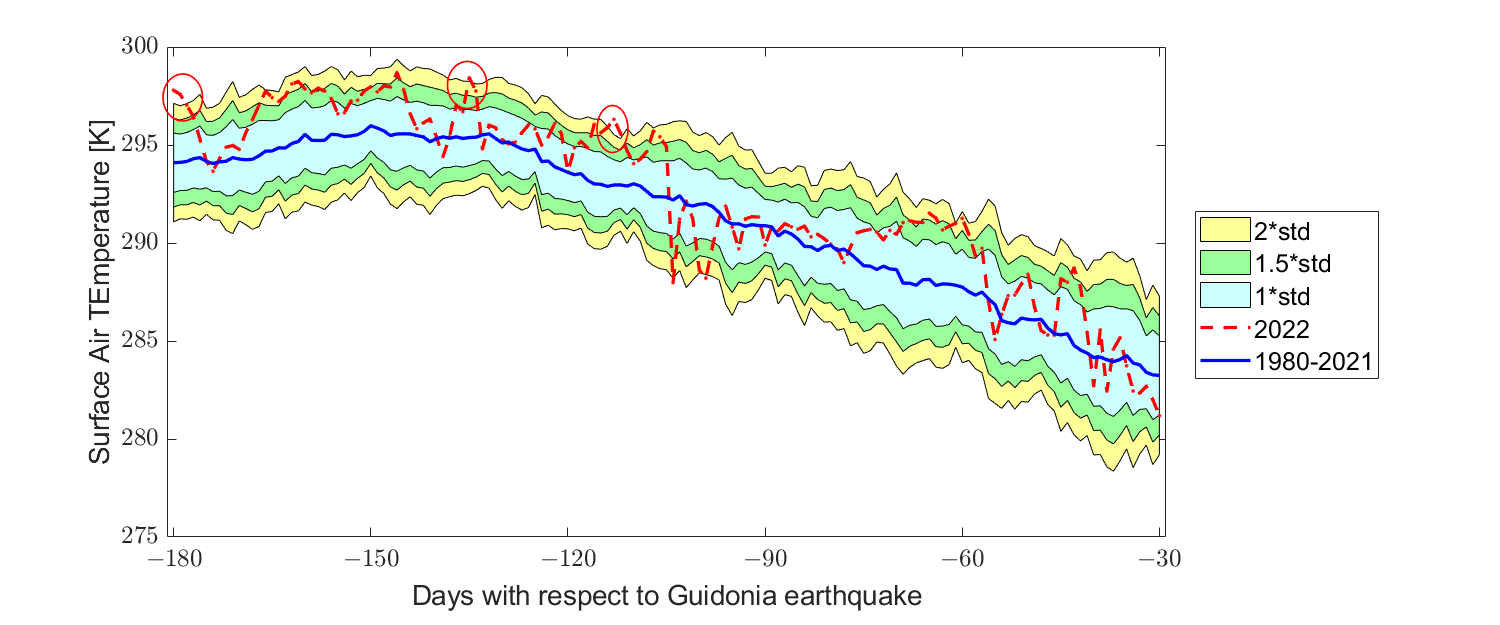
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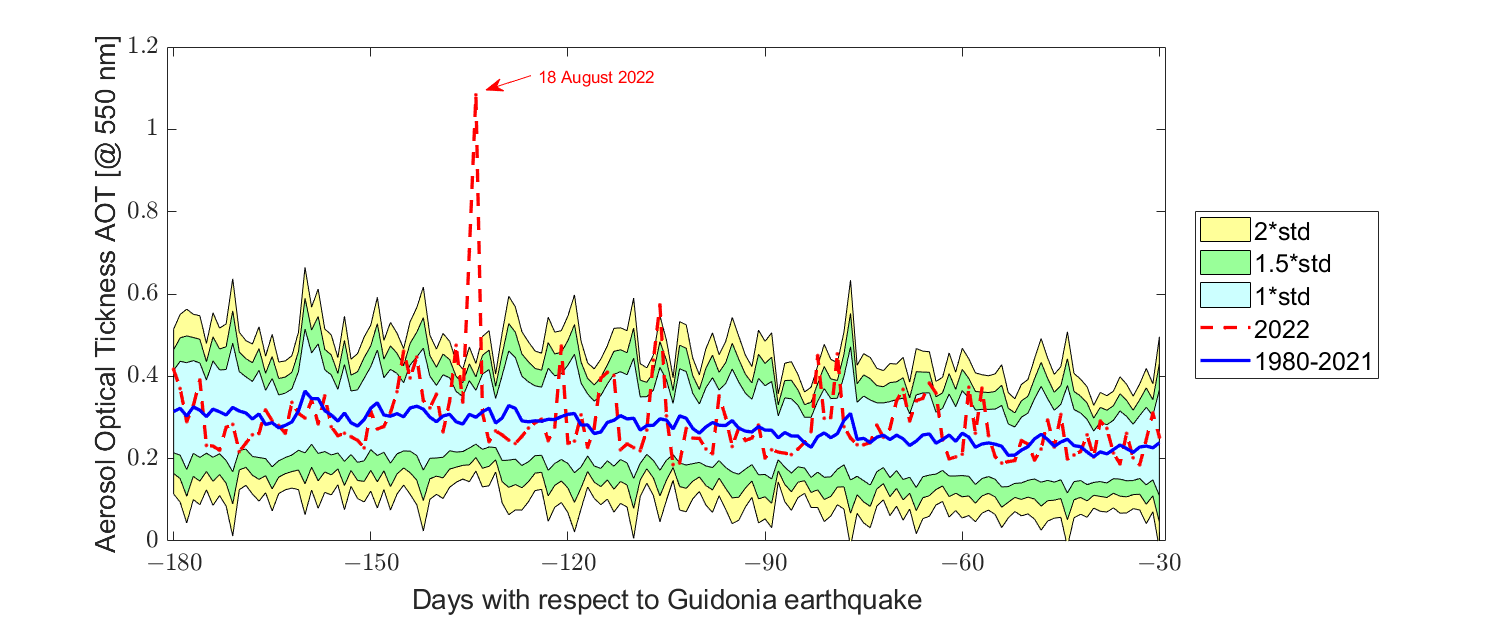
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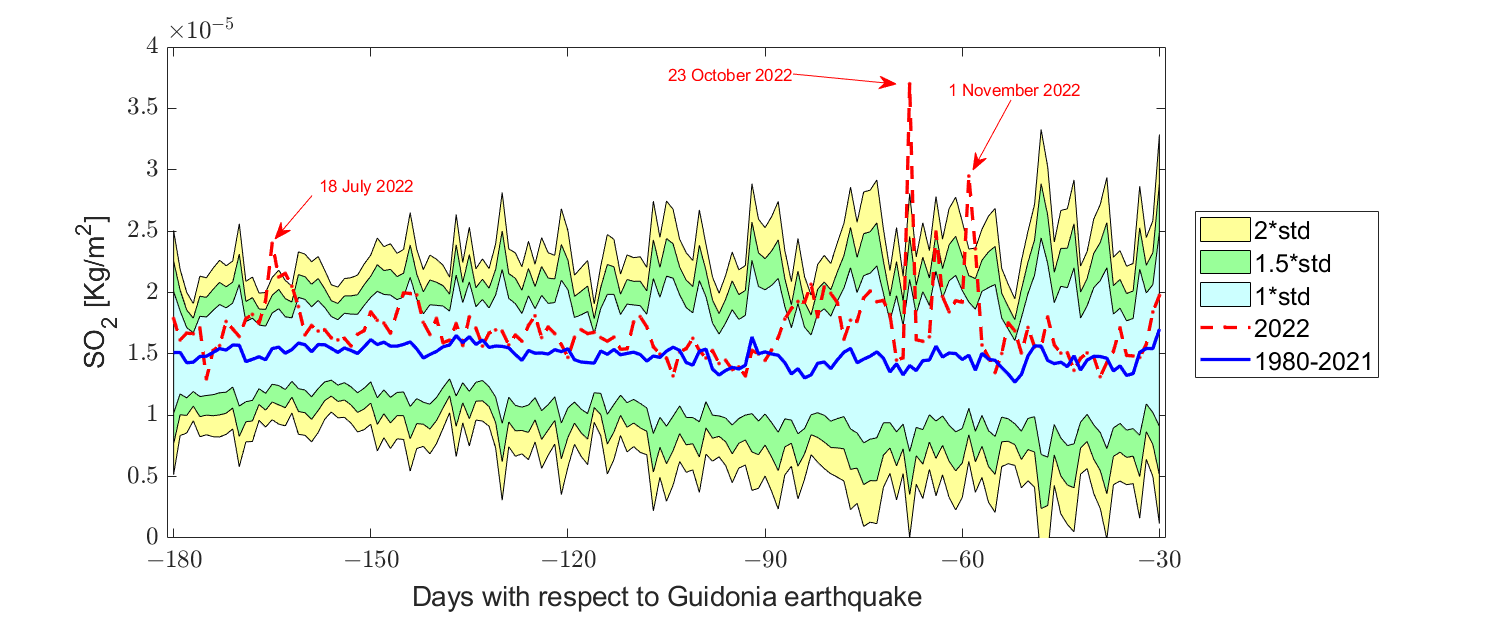
Supplementary Materials



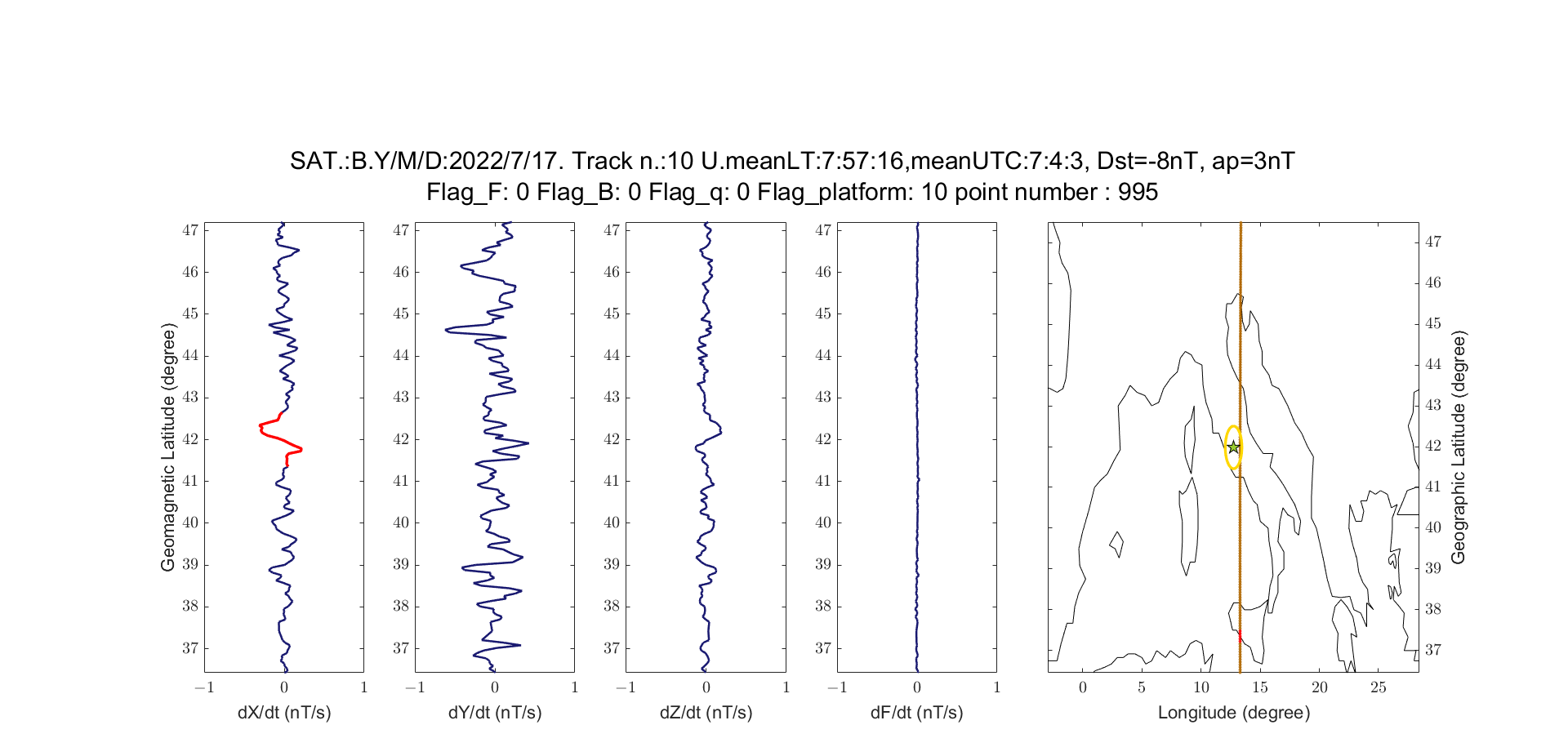
**Figure S1.** Surface air temperature time series from 3 July 2022 (six months before the ML=3.3 1 January 2023 Guidonia earthquake) until 30 November 2022.



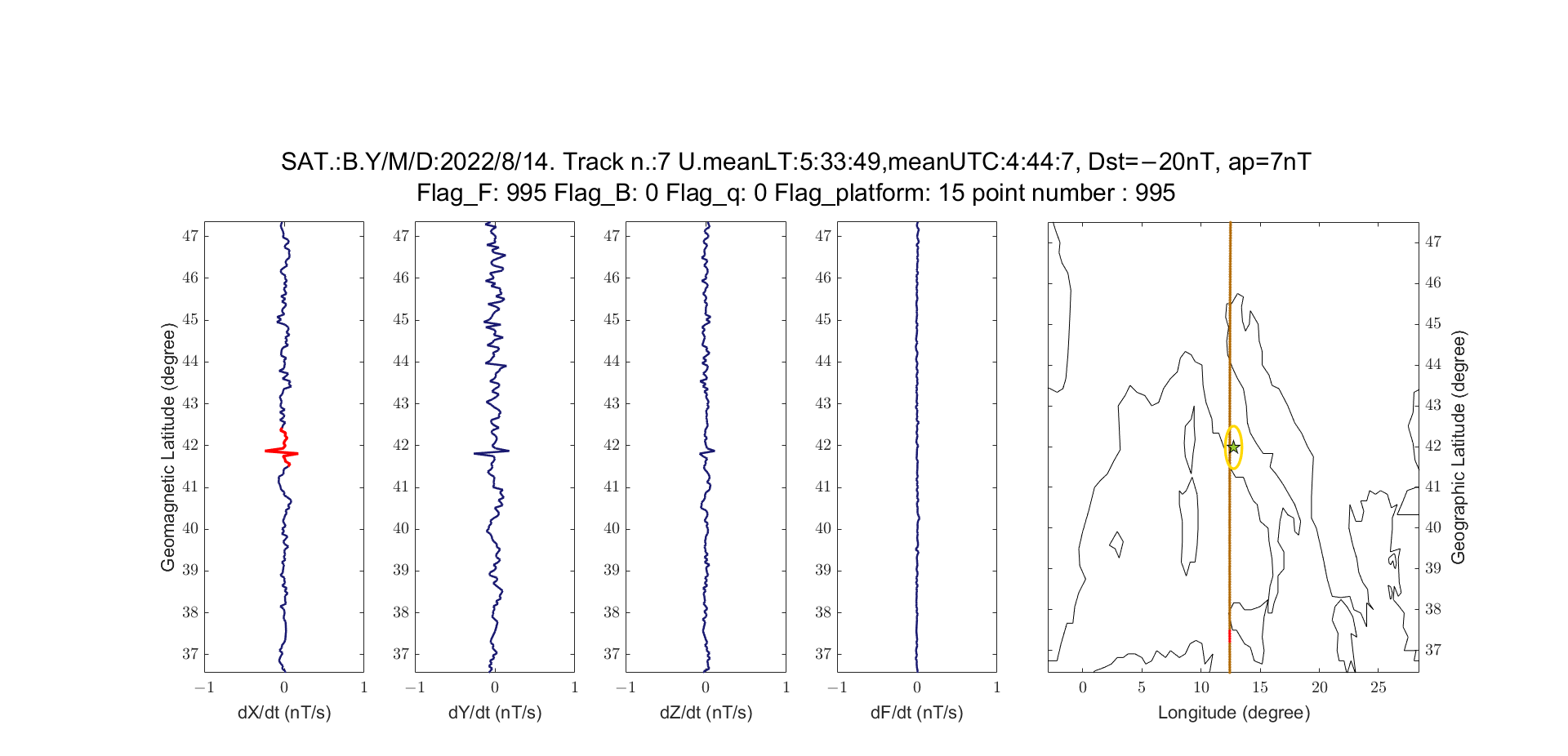
**Figure S2.** Aerosol time series from 3 July 2022 (six months before the ML=3.3 1 January 2023 Guidonia earthquake) until 30 November 2022.



**Figure S3.** SO2 time series from 3 July 2022 (six months before the ML=3.3 1 January 2023 Guidonia earthquake) until 30 November 2022. The years of 1989 and 1993 have been excluded automatically as particularly anomalous.



**Figure S4.** Swarm Bravo magnetic field analysis on 17 July 2022, track 10.



**Figure S5.** Swarm Bravo magnetic field analysis on 14 August 2022, track 7.