

Figure S1. 5 August 2018 CSES satellite orbit (red line). Green line is the partial dataset analyzed. Red circle is the earthquake epicenter location.

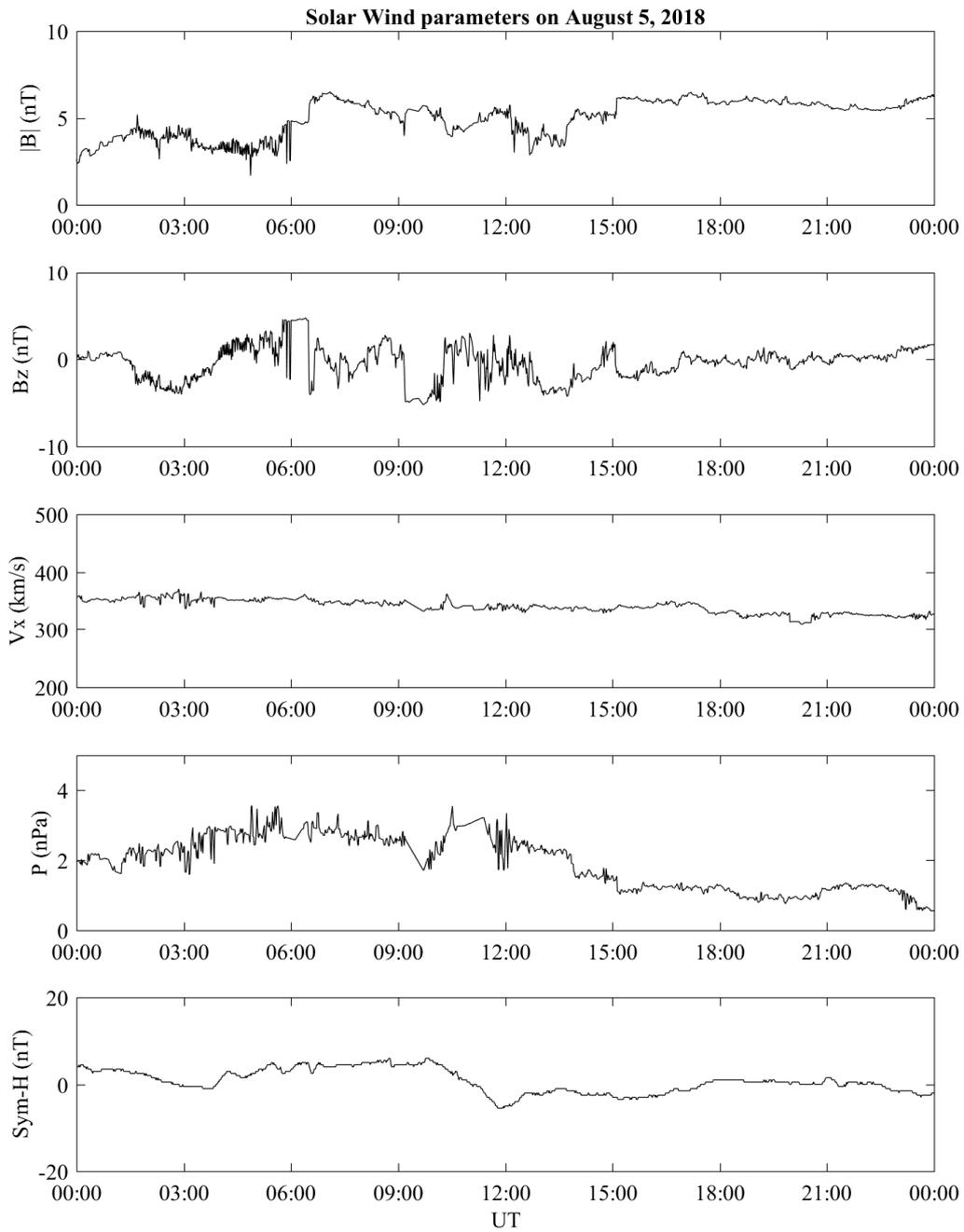


Figure S2. Solar Wind parameters on 5 August 2018. From the top to the bottom: Interplanetary magnetic field; North-South component of the Interplanetary magnetic field; Solar Wind speed; Solar wind plasma pressure; Sym-H index.

Poynting vector as detected by EFD and HPM on-board CSES

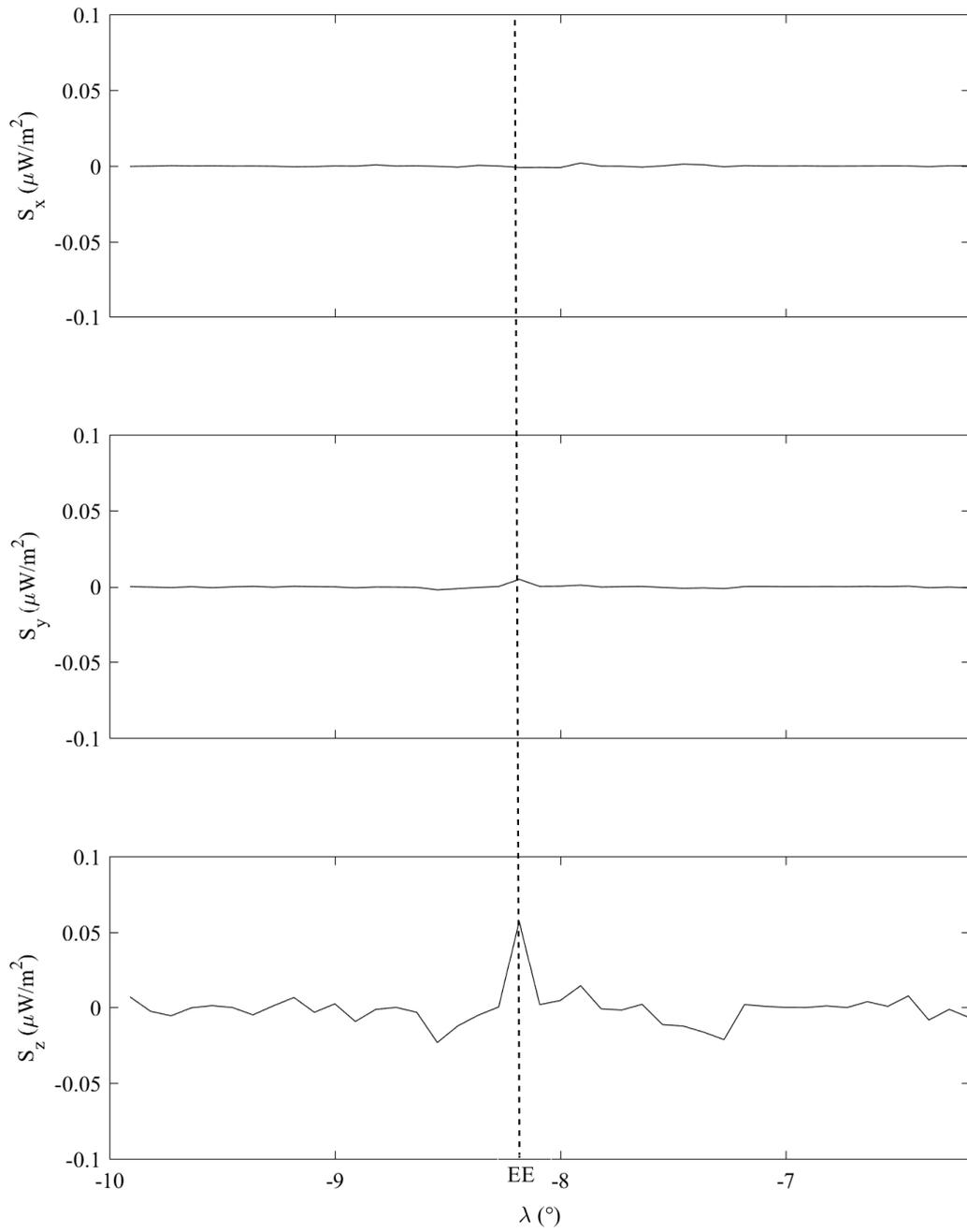


Figure S3. Poynting Flux as a function of latitude, as determined by EFD and HPM on-board CSES. satellite along geographical directions. The vertical dashed line represents the earthquake epicenter location.