THEMIS-D | 2022-09-04 | GSM vector coordinates B_{x} 50 B [nT] B_y B_z 0 |B|-50 100 50 v_i [km/s] v_y -50 V_Z -100 10^{6} $[eV/(cm^2 \ s \ sr \ eV)][eV/(cm^2 \ s \ sr \ eV)]$ Energy [keV] Electron flux 10² 10^{4} 10⁸ 10^{1} (d) Low-energy Electrons Energy [keV] Electron flux 10^{-1} 10-5 (e) Magnetic Field Waves $B_{\rm\scriptscriptstyle W}$ [Hz] 10^{3} 10-7 10^{-9} 10^{-7} (f) Electric Field Waves $E_{\scriptscriptstyle W}$ [Hz] 10³ (g) TREx-RGB GILL & PINA keogram AACGM A [∘] 65 60

04:20:00

8.3 -7.2

4.0

0.7

04:25:00

8.4

-7.3

4.0

0.7

55 -

04:10:00

8.1

-7.0

4.0

0.7

04:15:00

8.2 -7.1

4.0

0.7

Time R X [Re]

Y [Re]

Z [Re]