



ROI
 Burst
 Saturation
 Cold (>10%)
 Hot (>25%)
 Others

10^9
 10^8
 10^7
 10^6
 10^5
 10^4
 $\text{eV}/(\text{cm}^2 \text{ s sr eV})$

Saturation
 Radiation
 Hot (>25%)
 Others

10^8
 10^7
 10^6
 10^5
 10^4
 $\text{eV}/(\text{cm}^2 \text{ s sr eV})$

10^2
 10^1
 10^0
 10^{-1}
 MMS4_EDP
 $\text{s}/\text{c pot}$
 $[-\text{V}]$

10^{-10}
 10^{-12}
 10^{-14}
 10^{-16}
 $(\text{V}/\text{m})^2 \text{ Hz}$

150
 100
 50
 0
 -50
 -100
 -150
 MMS4
 FPI_L2
 Ion
 BulkV_GSM
 $[\text{km}/\text{s}]$

150
 100
 50
 0
 -50
 MMS4
 FGM_L2
 GSM
 v5.87.0
 $[\text{nT}]$

V_x
 V_y
 V_z
 IBI
 B_x
 B_y
 B_z

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GSMX [R_E]	8.8960	8.7636	8.6248	8.4793	8.3270	8.1676	8.0007	7.8261	7.6434	7.4522	7.2520	7.0425	6.8230
GSMY [R_E]	-1.7177	-1.5850	-1.4517	-1.3180	-1.1837	-1.0489	-0.9138	-0.7782	-0.6423	-0.5062	-0.3699	-0.2335	-0.0972
GSMZ [R_E]	1.9424	1.9512	1.9588	1.9652	1.9704	1.9746	1.9777	1.9797	1.9806	1.9803	1.9789	1.9761	1.9720
hhmm	1200	1210	1220	1230	1240	1250	1300	1310	1320	1330	1340	1350	1400