



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}
 MMS3_EDP
 $\text{s}/\text{c pot}$
 $[-\text{V}]$

10^{-10}
 10^{-12}
 10^{-14}
 10^{-16}
 $(\text{V}/\text{m})^2 \text{ Hz}^{-1}$

100
 0
 -100
 -200
 -300
 -400
 MMS3
 FPI_LL2
 Ion
 BulkV_GSM
 $[\text{km}/\text{s}]$

8
 4
 0
 -4
 -8
 MMS3
 FGM_LL2
 GSM
 v5.128.0
 $[\text{r}_E]$

IBI
 B_x
 B_y
 B_z

GSMX [R _E]	12.3732	12.4881	12.6019	12.7147	12.8266	12.9374	13.0473	13.1561	13.2640	13.3710	13.4770	13.5820	13.6861
GSMY [R _E]	-14.0519	-14.1015	-14.1508	-14.1996	-14.2482	-14.2964	-14.3442	-14.3918	-14.4392	-14.4862	-14.5330	-14.5795	-14.6256
GSMZ [R _E]	-2.3402	-2.3566	-2.3688	-2.3767	-2.3802	-2.3793	-2.3738	-2.3637	-2.3488	-2.3292	-2.3048	-2.2755	-2.2413
hhmm	2200	2210	2220	2230	2240	2250	2300	2310	2320	2330	2340	2350	0000
2018	Feb 15												Feb 16