



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}
 MMS2_EDP
 s/c pot
 $[-\text{V}]$

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

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

15
 10
 5
 0
 -5
 -10
 -15
 FGM_LL2
 GSM
 v5.251.1
 $[\text{nT}]$

V_x
 V_y
 V_z
 $|B|$
 B_x
 B_y
 B_z

| GSMX [R _E] | -13.5900 | -13.5773 | -13.5643 | -13.5509 | -13.5371 | -13.5230 | -13.5086 | -13.4938 | -13.4787 | -13.4632 | -13.4474 | -13.4313 | -13.4148 |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| GSMY [R _E] | -23.8319 | -23.8783 | -23.9247 | -23.9709 | -24.0171 | -24.0631 | -24.1088 | -24.1542 | -24.1993 | -24.2439 | -24.2881 | -24.3317 | -24.3746 |
| GSMZ [R _E] | -1.9375 | -1.9127 | -1.8808 | -1.8419 | -1.7962 | -1.7438 | -1.6849 | -1.6196 | -1.5482 | -1.4708 | -1.3876 | -1.2989 | -1.2047 |
| hhmm | 0000 | 0010 | 0020 | 0030 | 0040 | 0050 | 0100 | 0110 | 0120 | 0130 | 0140 | 0150 | 0200 |