Fast
Burst

MMS2 FGM_L2 GSM [nT]
4
2
0
−2
−4
|B|
B_x
B_y
B_z

MMS2_FPI Electron L2 v3.3.0 omni [eV]
10^4
10^3
10^2
10^1

MMS2_FPI Ion L2 BG_corr v3.3.0 omni [eV]
10^4
10^3
10^2
10^1

MMS2 FPI DIS 1−300eV BG_corr PA [deg]
180
135
90
45
0

MMS2 HPCA H+ 1−300eV PA [deg]
180
135
90
45
0
10^7
10^6
10^5
10^4
10^3
eV/(cm^2 s sr eV)

MMS2 HPCA L2 H+ srvy ELEV 0−360 [eV]
10^4
10^3
10^2
10^1
10^0
10^8
10^7
10^6
10^5
10^4
eV/(cm^2 s sr eV)

MMS2 HPCA L2 He++ srvy ELEV 0−360 [eV]
10^4
10^3
10^2
10^1
10^0
10^8
10^7
10^6
10^5
10^4
eV/(cm^2 s sr eV)

MMS2 HPCA L2 He+ srvy ELEV 0−360 [eV]
10^4
10^3
10^2
10^1
10^0
10^8
10^7
10^6
10^5
10^4
eV/(cm^2 s sr eV)

MMS2 HPCA L2 O+ srvy ELEV 0−360 [eV]
10^4
10^3
10^2
10^1
10^0
10^8
10^7
10^6
10^5
10^4
eV/(cm^2 s sr eV)

MMS2 FPI_HPCA Number Density [cm^{-3}]
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
DIS_orig
DIS
H+
He++
He+
O+

MMS2 HPCA H+ BulkV_GSM [km/s]
400
200
0
−200
−400
V_x
V_y
V_z
Thu Oct 06 16:57:55 2022

GSMX [R_E]	19.9706	19.9468	19.9229	19.8988	19.8746	19.8503	19.8259	19.8013	19.7766	19.7517	19.7268	19.7016	19.6764
GSMY [R_E]	18.8983	18.9030	18.9075	18.9117	18.9158	18.9196	18.9232	18.9266	18.9297	18.9326	18.9353	18.9377	18.9399
GSMZ [R_E]	−0.7967	−0.7488	−0.7005	−0.6519	−0.6031	−0.5541	−0.5048	−0.4554	−0.4059	−0.3562	−0.3065	−0.2567	−0.2069
hhmm	1600	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655	1700
2020 Dec 31													

HPCA_ION v4.3.0 HPCA_MOMS v4.3.0