Fast
Burst

MMS2 FGM_L2 GSM [nT]
30
20
10
0
−10
−20
IBI
B_x
B_y
B_z

MMS2_FPI Electron L2 no data omni [eV]
10^4
10^3
10^2
10^1

MMS2_FPI Ion L2 BG_corr no data omni [eV]
10^4
10^3
10^2
10^1

MMS2 FPI DIS 1−300eV BG_corr PA
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 HPCA Number Density [cm^{-3}]
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
H+
He++
He+
O+

MMS2 HPCA H+ BulkV_GSM [km/s]
400
200
0
−200
−400
V_x
V_y
V_z
Tue Oct 06 14:47:01 2020

GSMX [R_E]	−5.6311	−5.6685	−5.7054	−5.7419	−5.7779	−5.8134	−5.8485	−5.8831	−5.9173	−5.9509	−5.9841	−6.0167	−6.0489
GSMY [R_E]	10.2649	10.2405	10.2150	10.1886	10.1613	10.1329	10.1036	10.0733	10.0421	10.0098	9.9767	9.9426	9.9075
GSMZ [R_E]	−2.5443	−2.5407	−2.5375	−2.5349	−2.5327	−2.5310	−2.5297	−2.5288	−2.5283	−2.5281	−2.5284	−2.5289	−2.5298
hhmm	0000	0005	0010	0015	0020	0025	0030	0035	0040	0045	0050	0055	0100

2016 Aug 27

HPCA_ION v4.1.0 HPCA_MOMS v4.1.0