Fast
Burst

MMS3 FGM_L2 GSM [nT]
60
40
20
0
−20
−40
−60
IBI
B_x
B_y
B_z

MMS3_FPI Electron L2 no data omni [eV]
10^4
10^3
10^2
10^1

MMS3_FPI Ion L2 BG_corr no data omni [eV]
10^4
10^3
10^2
10^1

MMS3 FPI DIS 1−300eV BG_corr PA
180
135
90
45
0

MMS3 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)

MMS3 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)

MMS3 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)

MMS3 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)

MMS3 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)

MMS3 HPCA Number Density [cm^{-3}]
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
H+
He++
He+
O+

MMS3 HPCA H+ BulkV_GSM [km/s]
400
200
0
−200
−400
V_x
V_y
V_z
Sat Nov 14 15:54:12 2020

GSMX [R_E]	−7.2272	−7.2327	−7.2372	−7.2407	−7.2433	−7.2450	−7.2458	−7.2457	−7.2447	−7.2428	−7.2401	−7.2365	−7.2322
GSMY [R_E]	−6.4041	−6.4840	−6.5629	−6.6408	−6.7176	−6.7933	−6.8680	−6.9417	−7.0143	−7.0858	−7.1562	−7.2256	−7.2940
GSMZ [R_E]	−2.6942	−2.7106	−2.7269	−2.7433	−2.7597	−2.7762	−2.7928	−2.8095	−2.8264	−2.8434	−2.8607	−2.8781	−2.8957
hhmm	1000	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1100

2016 Apr 08

HPCA_ION v4.1.0 HPCA_MOMS v4.1.0