Fast
Burst

MMS3 FGM_L2 GSM [nT]
10
5
0
−5
−10
|B|
B_x
B_y
B_z

MMS3_FPI Electron L2 v3.3.0 omni [eV]
10^4
10^3
10^2
10^1

MMS3_FPI Ion L2 BG_corr v3.3.0 omni [eV]
10^4
10^3
10^2
10^1

MMS3 FPI DIS 1−300eV BG_corr PA [deg]
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 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+

MMS3 HPCA H+ BulkV_GSM [km/s]
400
200
0
−200
−400
V_x
V_y
V_z
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GSMX [R_E]	17.1796	17.1315	17.0831	17.0346	16.9858	16.9369	16.8878	16.8384	16.7889	16.7391	16.6892	16.6390	16.5887
GSMY [R_E]	15.1335	15.1129	15.0921	15.0711	15.0500	15.0287	15.0074	14.9859	14.9643	14.9426	14.9207	14.8988	14.8768
GSMZ [R_E]	2.6009	2.6331	2.6648	2.6961	2.7269	2.7571	2.7869	2.8161	2.8447	2.8727	2.9001	2.9269	2.9530
hhmm	1800	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	1855	1900

2020 Jan 06

HPCA_ION v4.3.0 HPCA_MOMS v4.3.0