Fast
Burst

MMS1 FGM_L2 GSM [nT]
6
4
2
0
−2
−4
IBI
$B_x$
$B_y$
$B_z$

MMS1_FPI Electron L2 v3.3.0 omni [eV]
$10^4$
$10^3$
$10^2$
$10^1$

MMS1_FPI Ion L2 BG_corr v3.3.0 omni [eV]
$10^4$
$10^3$
$10^2$
$10^1$

MMS1 FPI DIS 1−300eV BG_corr PA [deg]
180
135
90
45
0

MMS1 HPCA H+ 1−300eV PA [deg]
180
135
90
45
0

MMS1 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)

MMS1 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)

MMS1 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)

MMS1 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)

MMS1 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+

MMS1 HPCA H+ BulkV_GSM [km/s]
400
200
0
−200
−400
$V_x$
$V_Y$
$V_z$

Sat Feb 27 09:40:01 2021

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSMX [$R_E$] | 5.8484 | 5.8803 | 5.9122 | 5.9441 | 5.9758 | 6.0075 | 6.0391 | 6.0707 | 6.1022 | 6.1335 | 6.1649 | 6.1961 | 6.2273 |
| GSMY [$R_E$] | −20.9801 | −21.0125 | −21.0451 | −21.0778 | −21.1107 | −21.1437 | −21.1768 | −21.2101 | −21.2435 | −21.2770 | −21.3106 | −21.3443 | −21.3780 |
| GSMZ [$R_E$] | −5.8132 | −5.7951 | −5.7752 | −5.7537 | −5.7305 | −5.7056 | −5.6790 | −5.6507 | −5.6208 | −5.5892 | −5.5560 | −5.5211 | −5.4846 |
| hhmm | 0000 | 0005 | 0010 | 0015 | 0020 | 0025 | 0030 | 0035 | 0040 | 0045 | 0050 | 0055 | 0100 |

2018 Mar 22

HPCA_ION v4.1.0 HPCA_MOMS v4.1.0