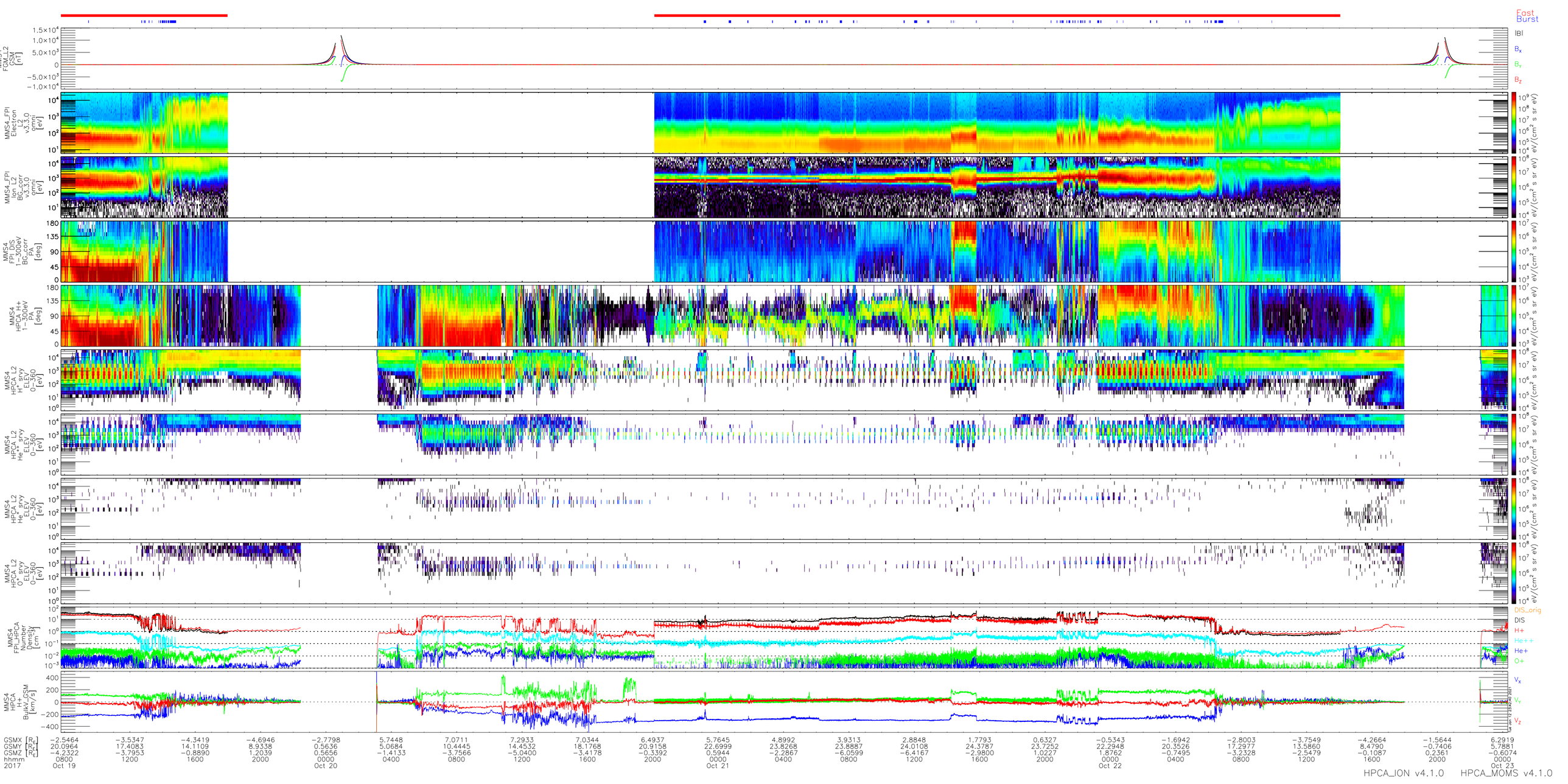
Fast
Burst
FGM_L2
GSM
[nT]
IBI
B_x
B_y
B_z
MMS4_FPI
Electron
L2
v3.3.0
omni
[eV]
MMS4_FPI
Ion L2
BG_corr
v3.3.0
omni
[eV]
MMS4
FPI_DIS
1-30keV
BG_corr
PA
[deg]
MMS4
HPCA H+
1-30keV
PA
[deg]
MMS4
HPCA L2
H+ srvy
ELEV
0-360
[eV]
MMS4
HPCA L2
He++ srvy
ELEV
0-360
[eV]
MMS4
HPCA L2
He+ srvy
ELEV
0-360
[eV]
MMS4
HPCA L2
O+ srvy
ELEV
0-360
[eV]
eV/(cm^2 s sr eV)
MMS4
FPI_HPCA
Number
Density
[cm^{-3}]
DIS_orig
DIS
H+
He++
He+
O+
MMS4
HPCA
H+
Bulk V_GSM
[km/s]
V_x
V_y
V_z
GSMX [R_E] −2.5464 −3.5347 −4.3419 −4.6946 −2.7798 5.7448 7.0711 7.2933 7.0344 6.4937 5.7645 4.8992 3.9313 2.8848 1.7793 0.6327 −0.5343 −1.6942 −2.8003 −3.7549 −4.2664 −1.5644 6.2919
GSMY [R_E] 20.0964 17.4083 14.1109 8.9338 0.5636 5.0684 10.4445 14.4532 18.1768 20.9158 22.6999 23.8268 23.8887 24.0108 24.3787 23.7252 22.2948 20.3526 17.2977 13.5860 8.4790 −0.7406 5.7881
GSMZ [R_E] −4.2322 −3.7953 −0.8890 1.2039 0.5656 −1.4133 −3.7566 −5.0400 −3.4178 −0.3392 0.5944 −2.2867 −6.0599 −6.4167 −2.9800 1.0227 1.8762 −0.7495 −3.2328 −2.5479 −0.1087 0.2361 −0.6074
hhmm 0800 1200 1600 2000 0000 0400 0800 1200 1600 2000 0000 0400 0800 1200 1600 2000 0000 0400 0800 1200 1600 2000 0000
2017 Oct 19 Oct 20 Oct 21 Oct 22 Oct 23
HPCA_ION v4.1.0 HPCA_MOMS v4.1.0