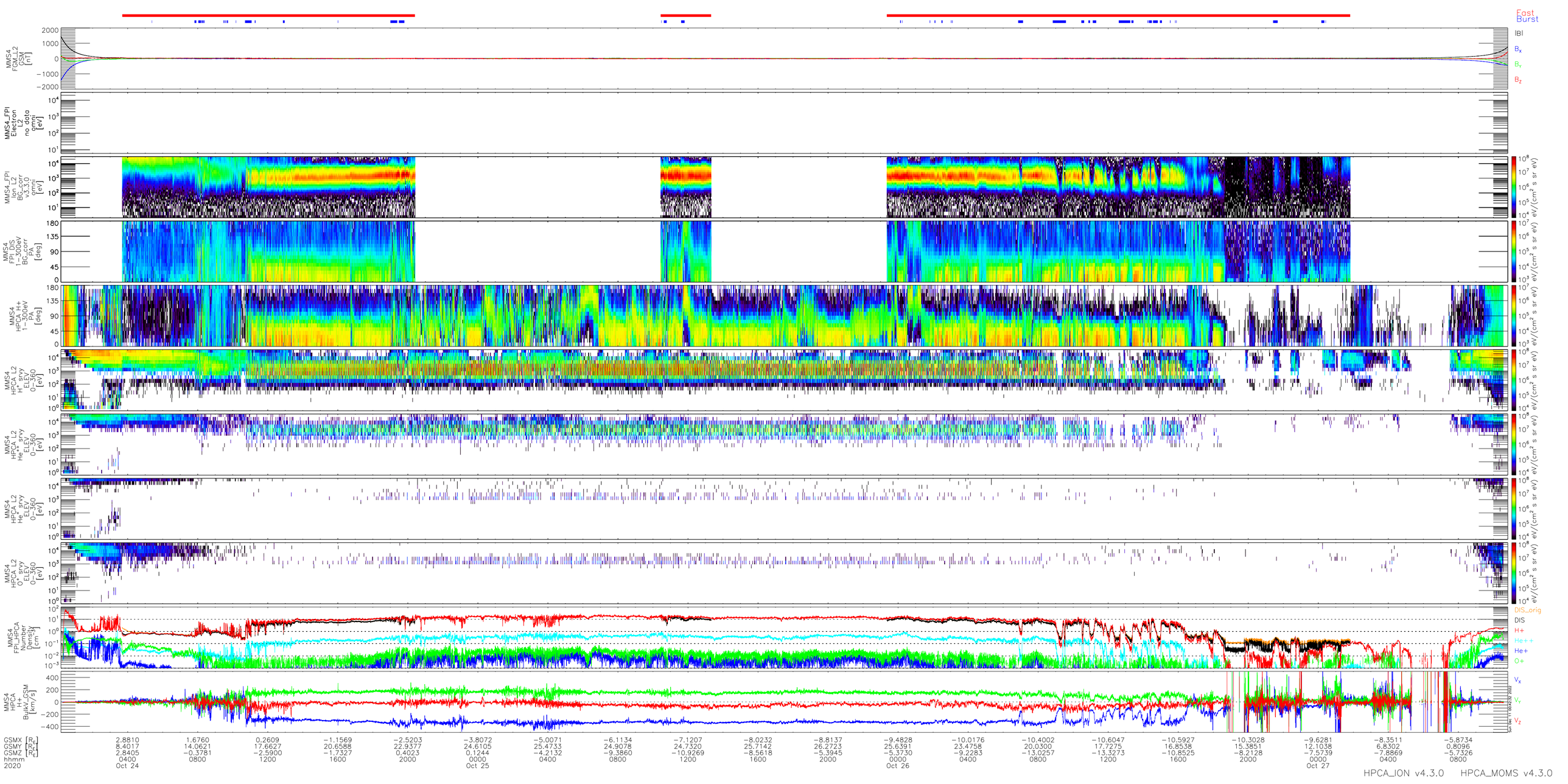
Fast
Burst
MMS4
FGM_L2
GSM
[nT]
IBI
Bx
By
Bz
MMS4_FPI
Electron
L2
no dote
omni
[eV]
MMS4_FPI
Ion L2
BG_corr
v3.3.0
omni
[eV]
MMS4
FPI_DIS
1_30oEV
BG_corr
PA
[deg]
MMS4
HPCA H+
1_30eV
PA
[deg]
MMS4
HPCA L2
H+ srvy
ELEV
0_360
[eV]
MMS4
HPCA L2
He++ srvy
ELEV
0_360
[eV]
MMS4
HPCA L2
He+ srvy
ELEV
0_360
[eV]
MMS4
HPCA L2
O+ srvy
ELEV
0_360
[eV]
eV/(cm2 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]
Vx
Vy
Vz
GSMX [Re]
GSMY [Re]
GSMZ [Re]
hhmm
2020
2.8810 8.4017 2.8405 0400 Oct 24
1.6760 14.0621 −0.3781 0800
0.2609 17.6627 −2.5900 1200
−1.1569 20.6588 −1.7327 1600
−2.5203 22.9377 0.4023 2000
−3.8072 24.6105 0.1244 0000 Oct 25
−5.0071 25.4733 −4.2132 0400
−6.1134 24.9078 −9.3860 0800
−7.1207 24.7320 −10.9269 1200
−8.0232 25.7142 −8.5618 1600
−8.8137 26.2723 −5.3945 2000
−9.4828 25.6391 −5.3730 0000 Oct 26
−10.0176 23.4758 −9.2283 0400
−10.4002 20.0300 −13.0257 0800
−10.6047 17.7275 −13.3273 1200
−10.5927 16.8538 −10.8525 1600
−10.3028 15.3851 −8.2128 2000
−9.6281 12.1038 −7.5739 0000 Oct 27
−8.3511 6.8302 −7.8869 0400
−5.8734 0.8096 −5.7326 0800
Sat Dec 17 00:43:52 2022
HPCA_ION v4.3.0
HPCA_MOMS v4.3.0