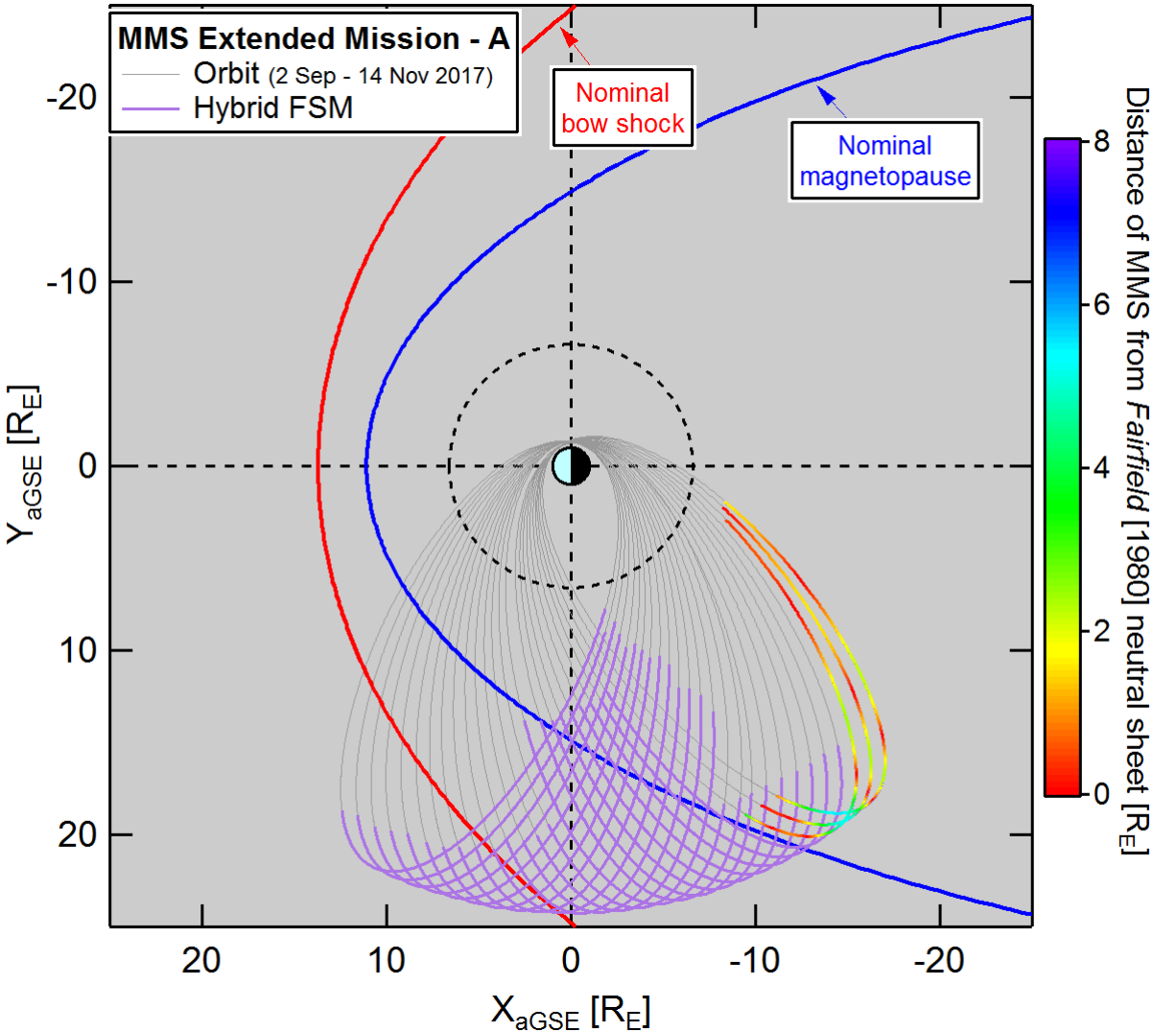
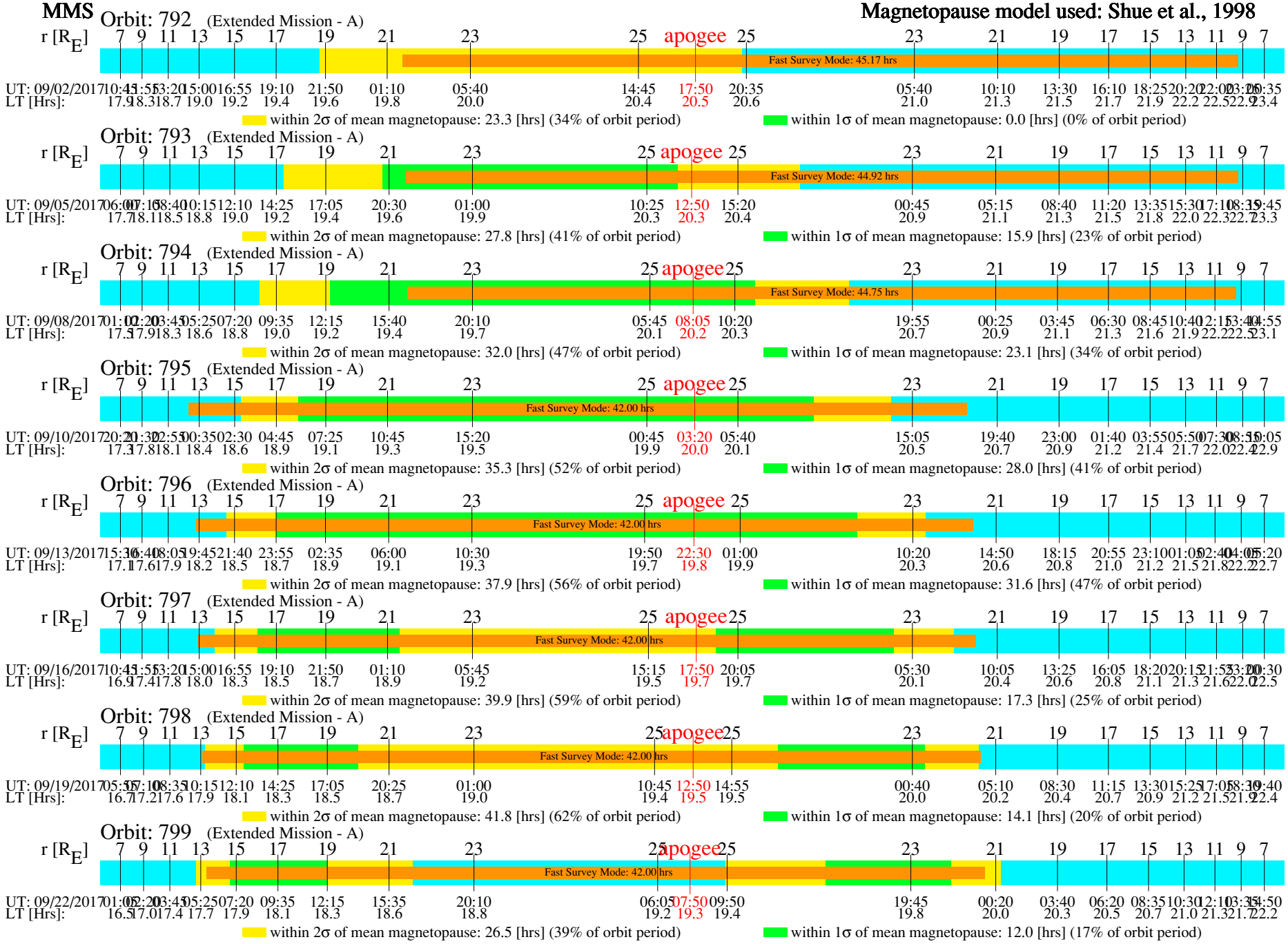
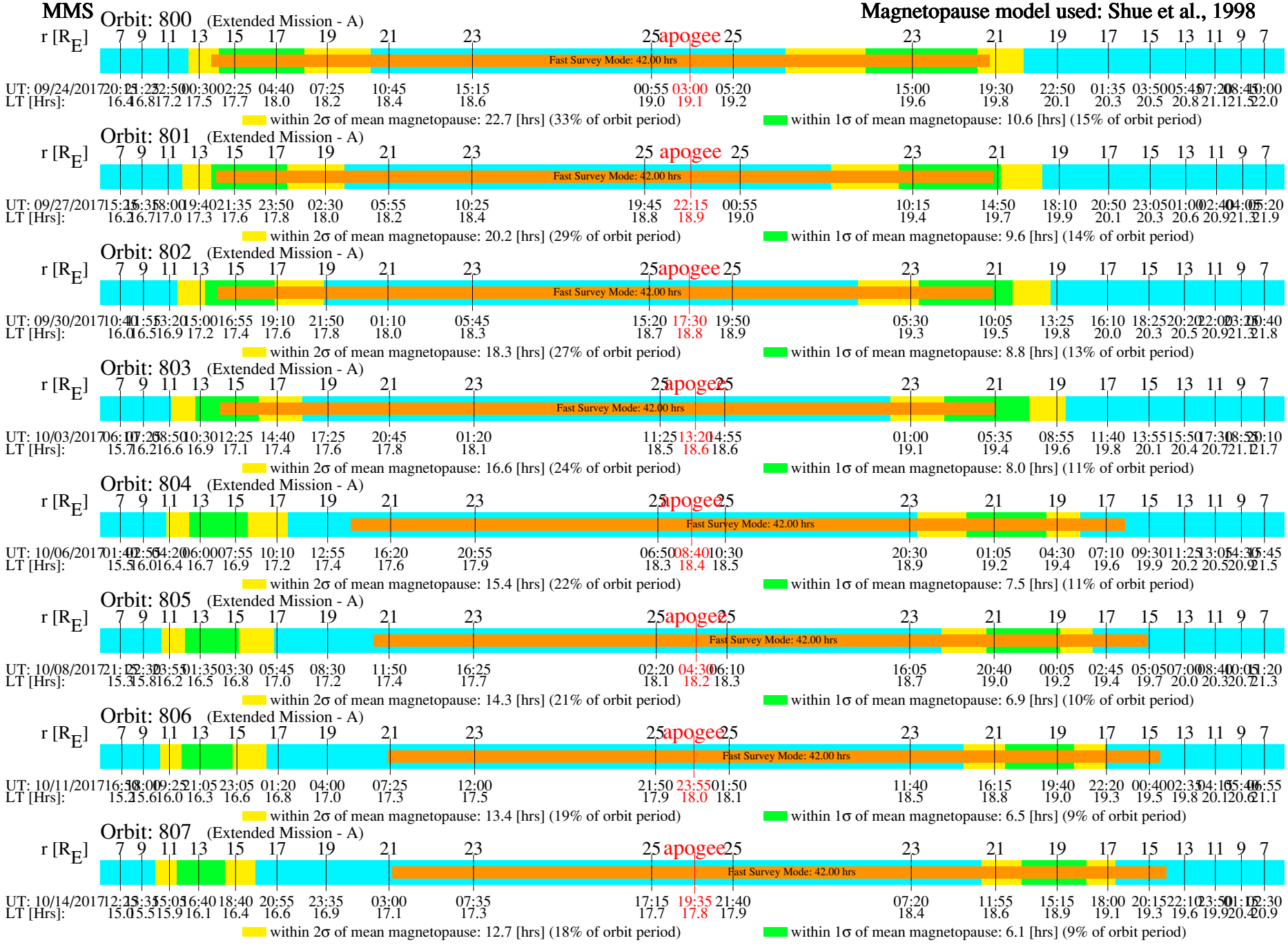

MMS Extended Mission - A
Orbit (2 Sep - 14 Nov 2017)
Hybrid FSM
Nominal bow shock
Nominal magnetopause
Distance of MMS from Fairfield [1980] neutral sheet [R_E]
0
2
4
6
8
-20
-10
0
10
20
Y_aGSE [R_E]
20
10
0
-10
-20
X_aGSE [R_E]

MMS **Magnetopause model used: Shue et al., 1998**



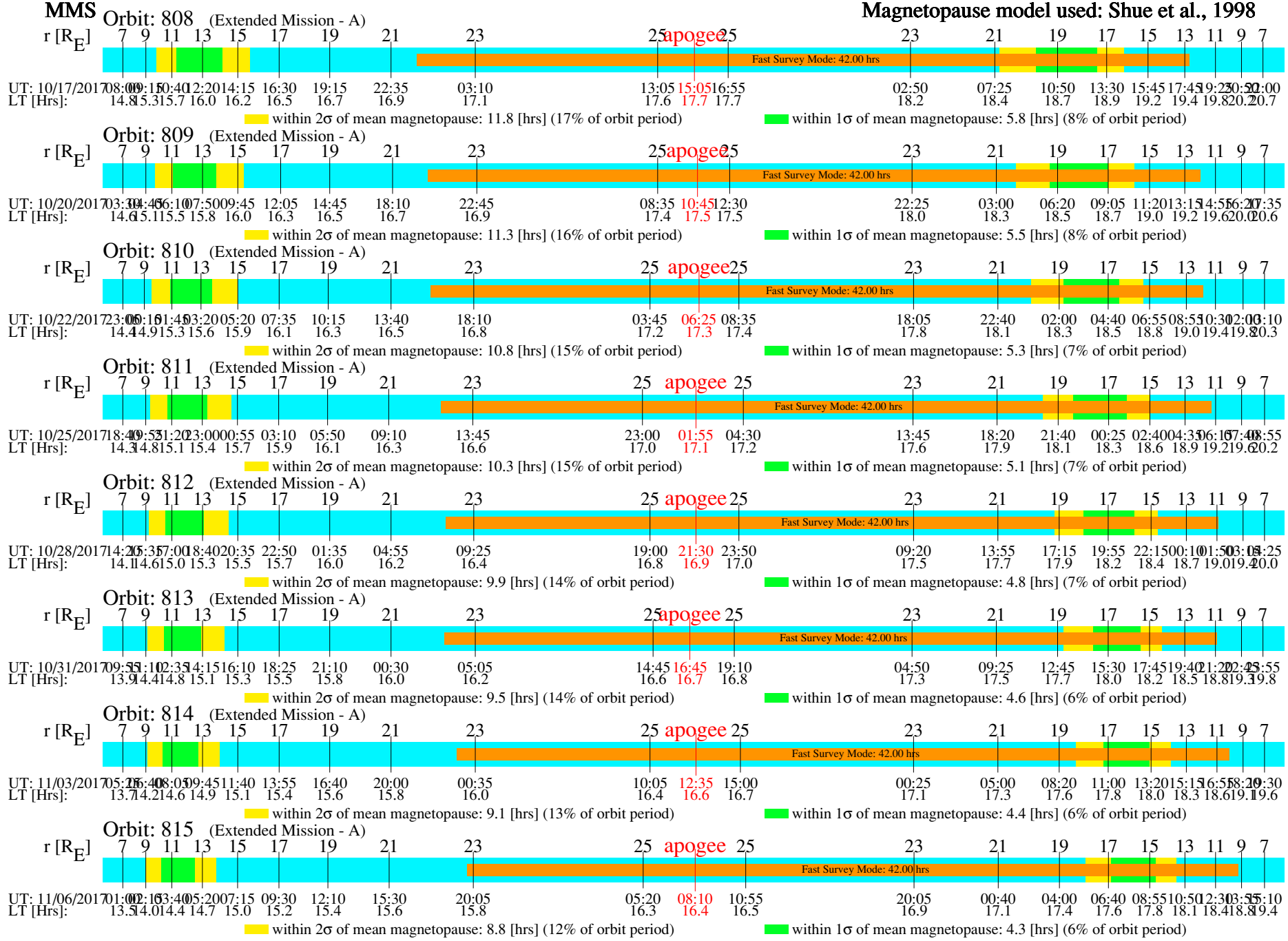
PSFA_MMS1_Predicted_201703-000000_2018006-000000_V00spline_gse.txt

MMS **Magnetopause model used: Shue et al., 1998**



PSFA_MMS1_Predicted_201703-000000_2018006-000000_V004spline_gse.txt

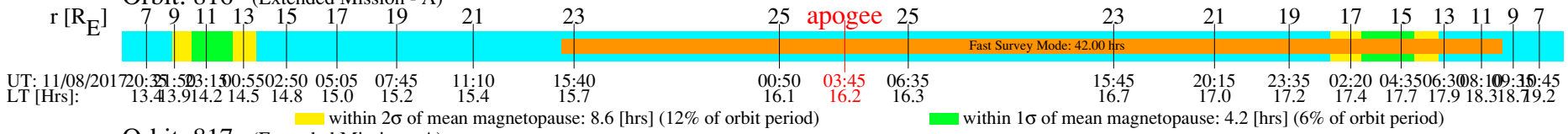
MMS **Magnetopause model used: Shue et al., 1998**



PSFA_MMS1_Predicted_201703-000000_2018006-000000_V004spline_gmt.txt

MMS Orbit: 816 (Extended Mission - A)

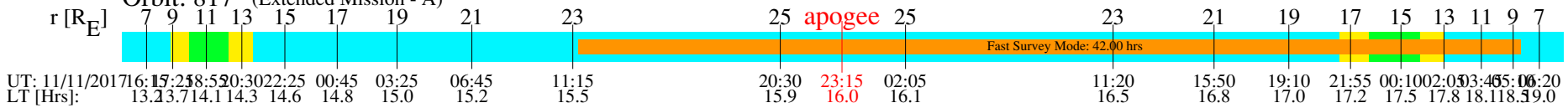
Magnetopause model used: Shue et al., 1998



within 2σ of mean magnetopause: 8.6 [hrs] (12% of orbit period)

within 1σ of mean magnetopause: 4.2 [hrs] (6% of orbit period)

Orbit: 817 (Extended Mission - A)



within 2σ of mean magnetopause: 8.3 [hrs] (12% of orbit period)

within 1σ of mean magnetopause: 4.0 [hrs] (5% of orbit period)

PPFA_MMS1_Predicted_201703-000000_2018046-000000_V004spline_gse.txt