

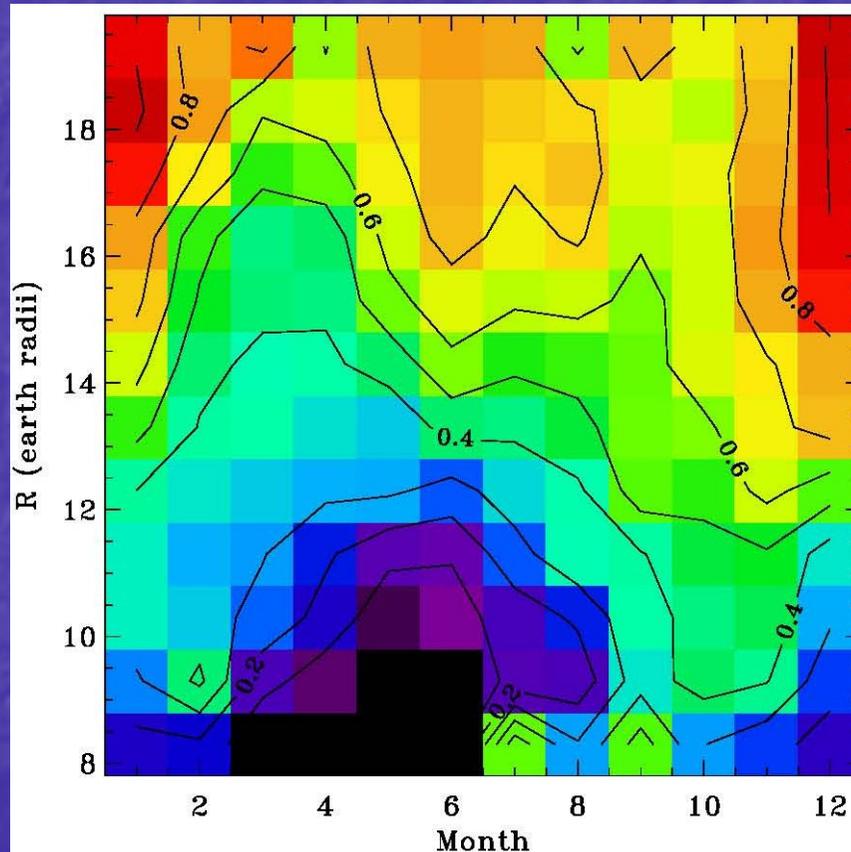
# **Soft Proton Flares**

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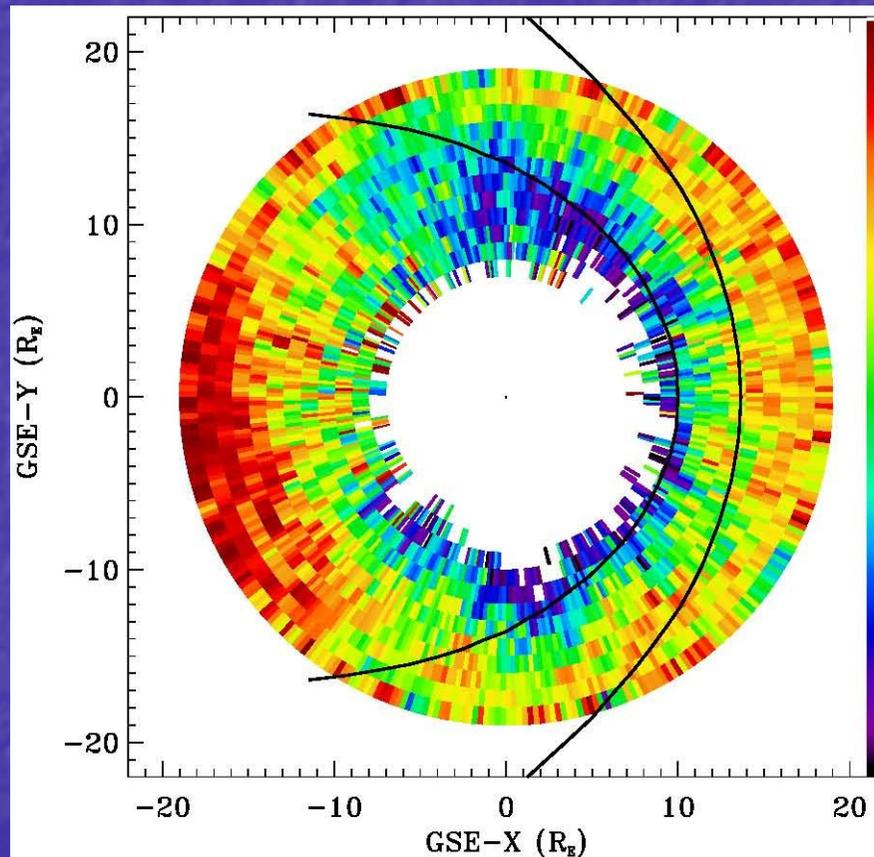
**EPIC Operations and Calibration Meeting - BGWG  
Palermo - 11 March 2007**

# Soft Proton Flaring



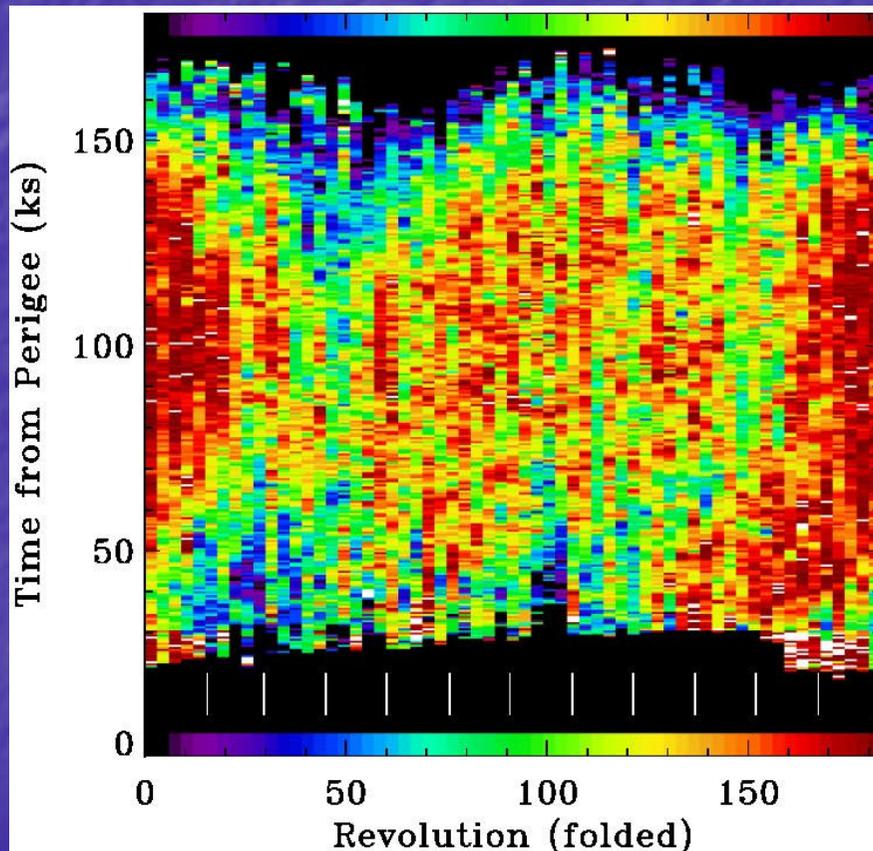
Soft proton flaring is very dependent on the geometry of the observation. Plotted here is the good-time fraction as a function of time of year and position of XMM in its orbit.

# Soft Proton Flaring



Plotted here is the good-time fraction as a function of position of XMM in its orbit. The black lines show the position of the magnetosheath. Large values of GSE-X occur during summer.

# Soft Proton Flaring



Plotted here is the good-time fraction as a function of position of XMM in its orbit and time of year.