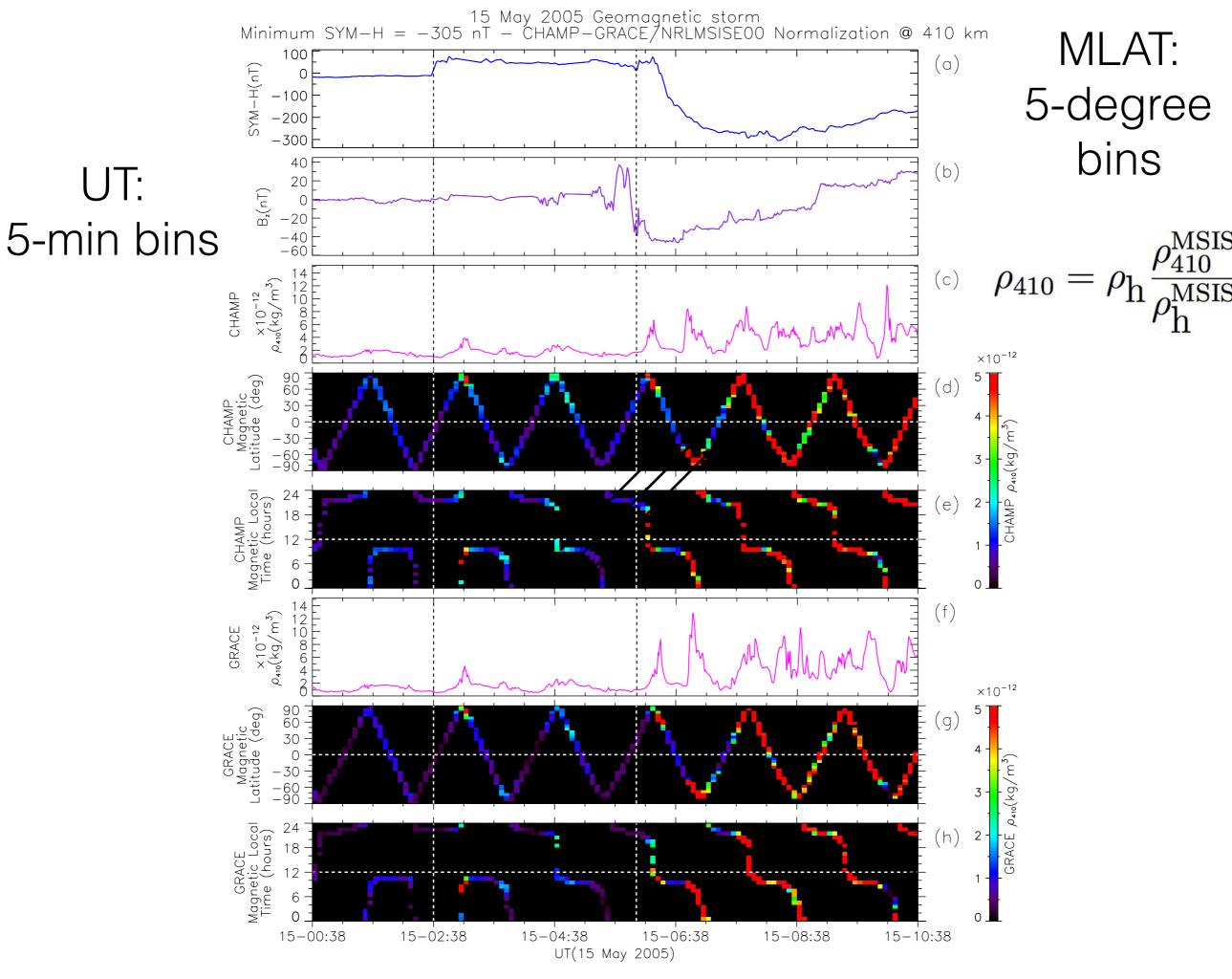
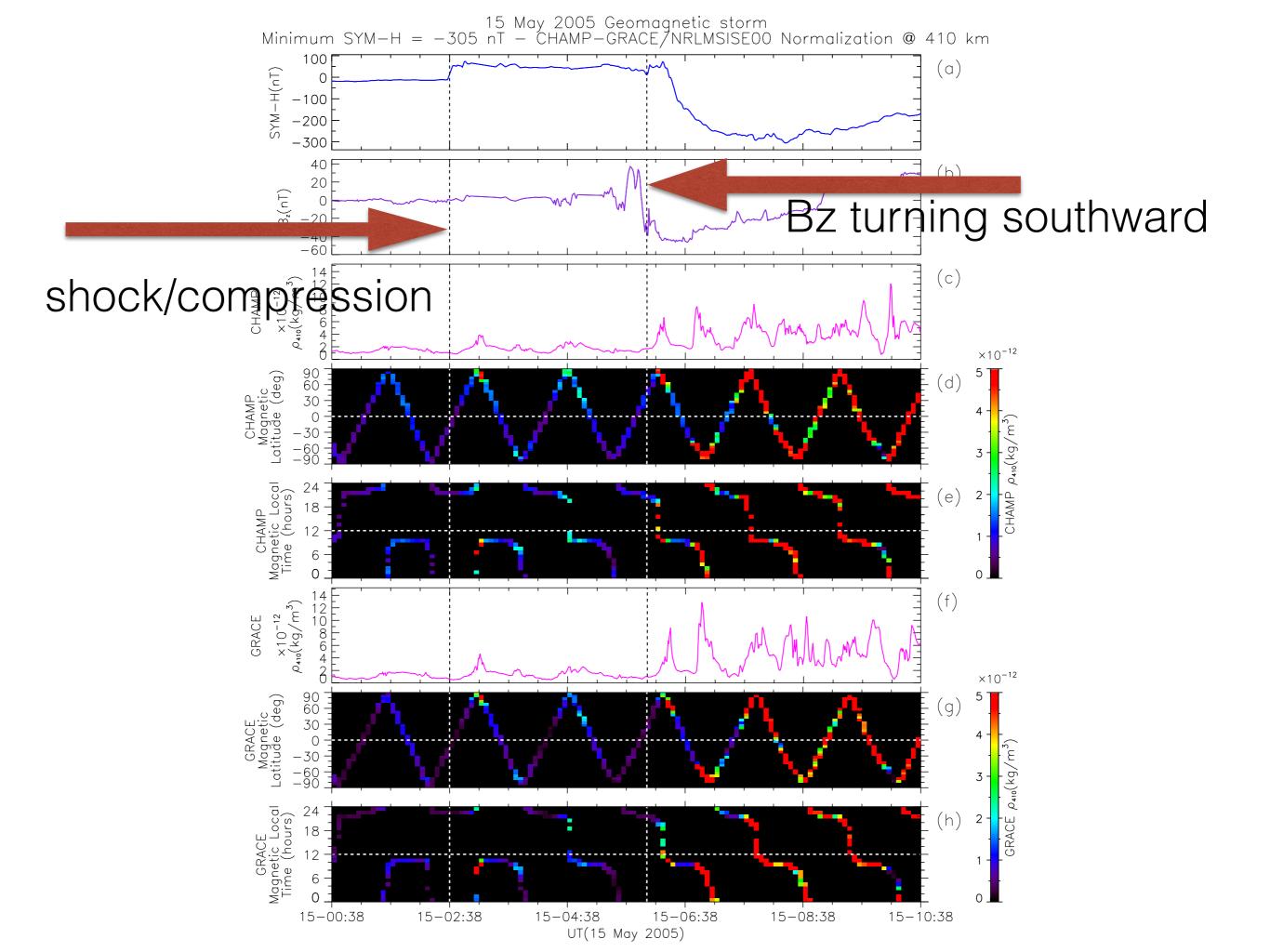
Superposed epoch analysis of the thermosphere global time response to geomagnetic storms

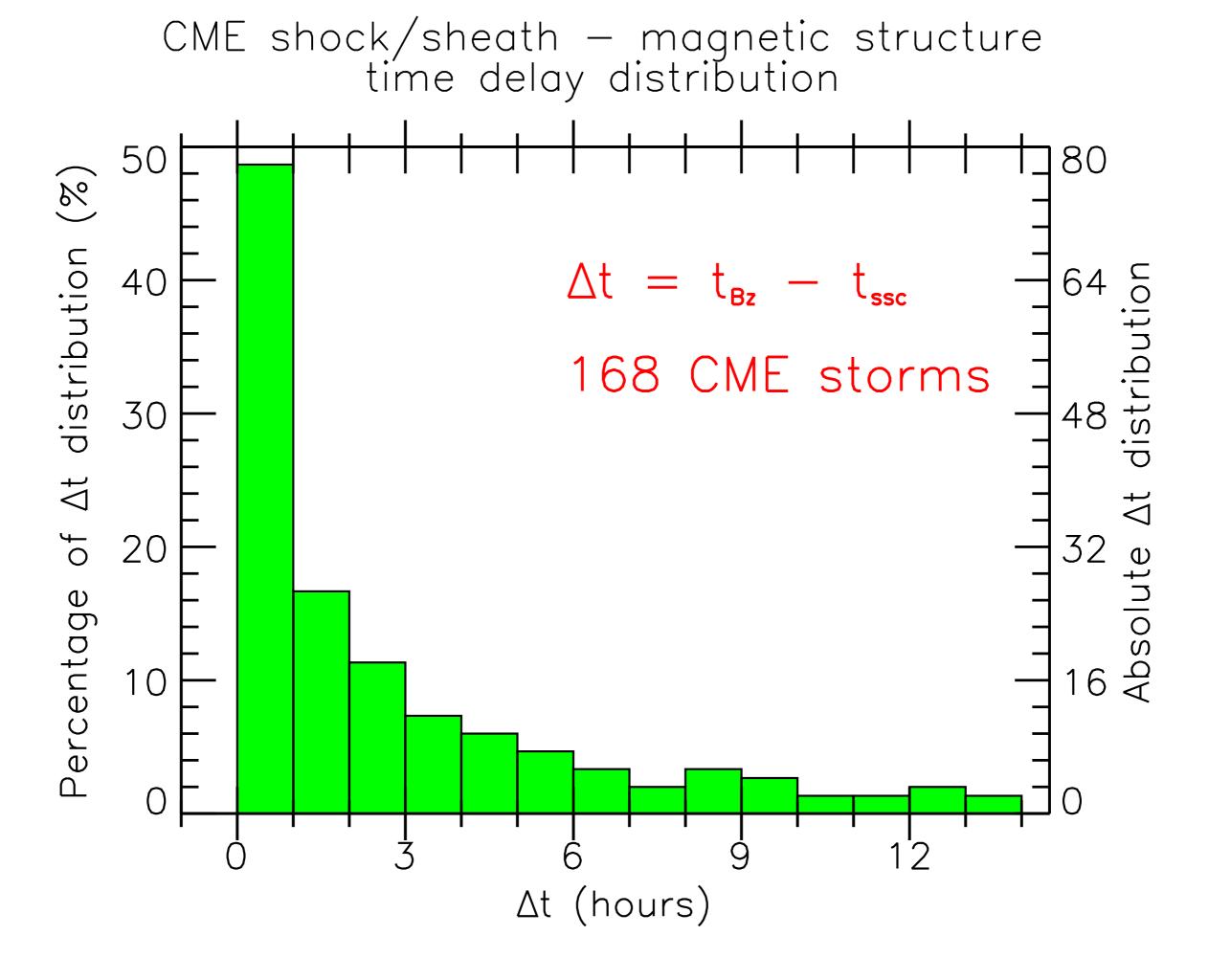
Denny M. Oliveira, Eftyhia Zesta, Peter W. Schuck, Eric K. Sutton, Yong Shi



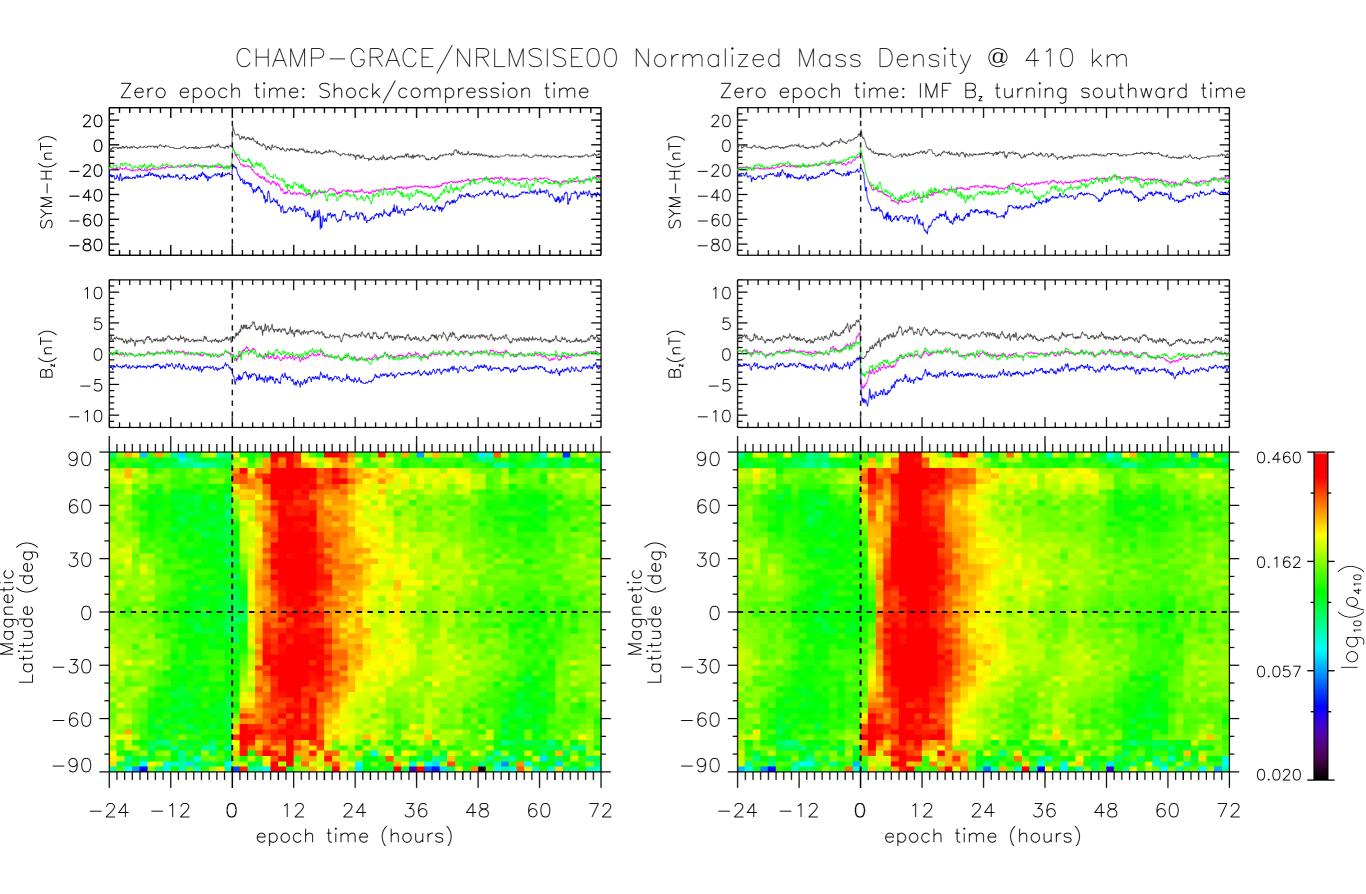
A NASA/GSFC and US Air Force Research Laboratory collaboration



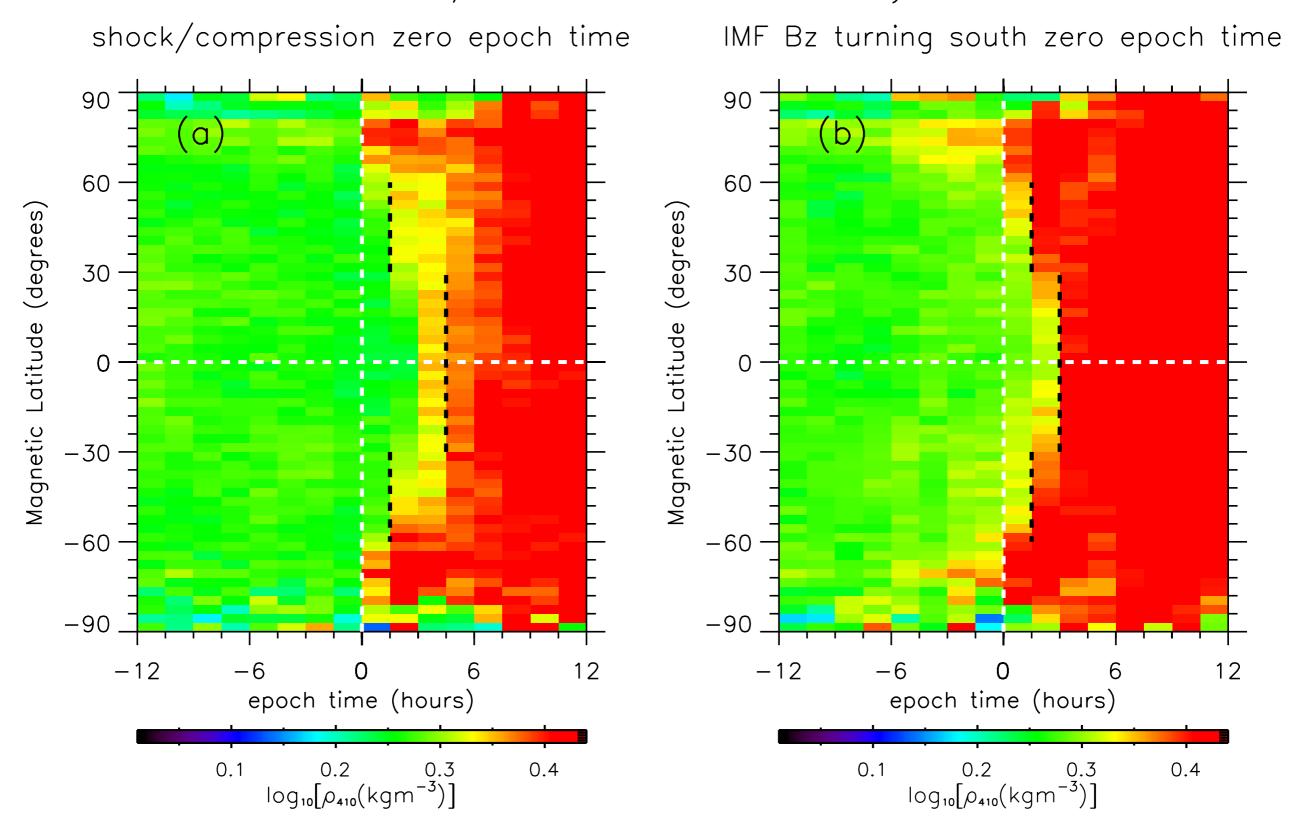




MLAT: 3- degree bins, Epoch time: 90-minute bins



CHAMP-GRACE/NRLMSISE00 Normalized density @ 410 km



Questions:

Is the thermosphere energy input during storm times restricted only to high latitude regions (cusp and auroral zones)? Do lower local times contribute as well?

Do thermospheric density and Poynting flux enhancement coincide temporally and spatially during storms?