

**CICS-MD Science Meeting**

November 12-13, 2014

College Park, MD

Sean P.F. Casey

4-3 Status of the Hyperspectral Infrared Observing System Simulation Experiment Effort

Preliminary testing for a geostationary hyperspectral (Geo-Hyper) infrared (IR) instrument in a global assimilation/forecast system showed promise, while also highlighting areas for improvement. Current work is focusing on observing system simulation experiment (OSSE) system improvements, including a) using simulations from higher-resolution nature runs, b) added bias/variance for simulated observations, and c) use of a higher-resolution GDAS/GFS system. JCSDA hopes to have these improvements completed by May 1, 2015, the projected start date for the main Geo-Hyper IR experiment.