



SPoRT Seminar Series Presents:

***Chemical Weather R2O in SPoRT with
Tropospheric Emissions: Monitoring of
Pollution (TEMPO)***

Dr. Mike Newchurch (UAH)

Date: Thursday, April 23, 2015

Time: 9:00 A.M.

Location: SPoRT VCL (NSSTC 3027)

Abstract:

Following very successful transitions of NASA physical-weather research to operations (R2O) in the NWS over the past decade, it may be time for SPoRT to consider R2O for chemical weather research. NASA has a long heritage in space-borne observation of air pollution (gases and aerosols) from LEO and is now on the verge of placing an instrument in GEO (TEMPO in 2018 or later) to observe hourly changes in the chemical weather over CONUS. NASA also supports a significant research effort in global and regional modeling that includes data assimilation and OSSEs; however, little effort is currently being placed on transitioning this capability to operations in NOAA/NWS (or anywhere else). This description of the TEMPO mission and products is designed to spark a discussion of mutual interest in considering this new chemical-weather observing and modeling capability as a viable candidate for SPoRT to adopt as one of its clients.