NASA Short-term Prediction Research and Transition (SPoRT) project has been transitioning data to the NWS from Terra and Aqua satellites for several years and has recently added data from the Suomi NPP satellite. Derived products from MODIS and VIIRS help forecasters monitor hazardous weather events like Hurricane Sandy.

MODIS RGB composite image from October 29, 2012 @0258UTC indicating dry stratospheric air (orange) from a troposphere fold getting tangled with Sandy, adding to the complexity of forecasting its continued development.