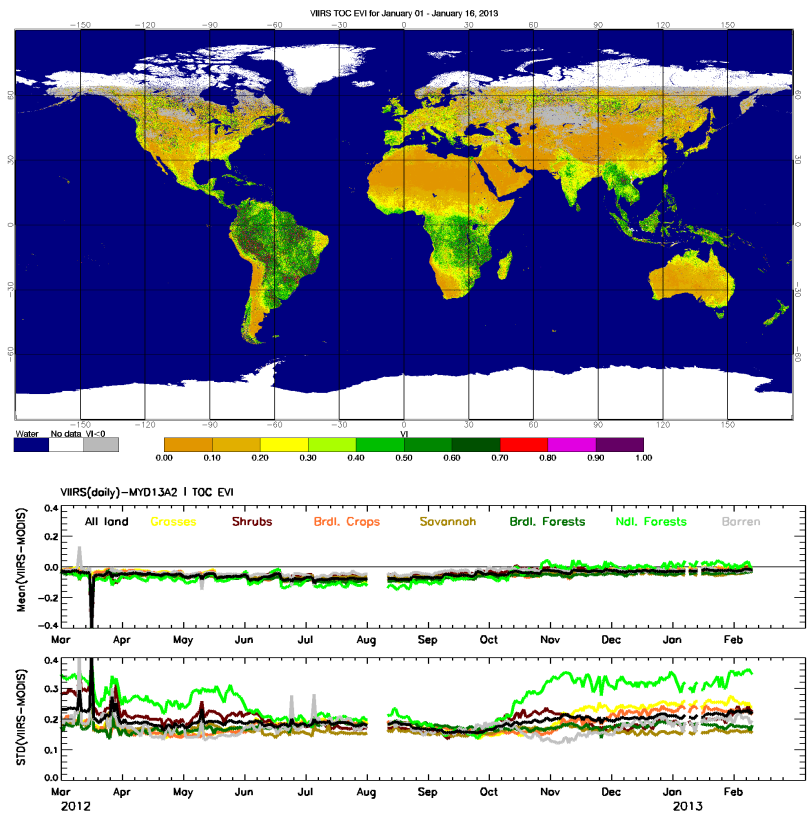
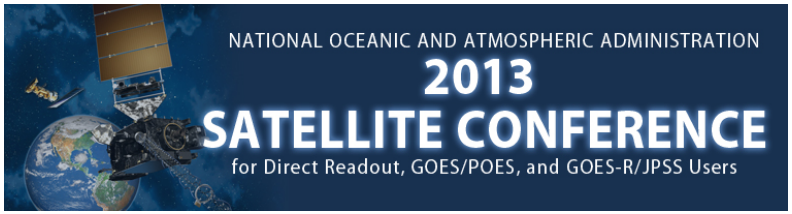
Monitoring Quality of VIIRS Vegetation Index (VI) EDR Retrievals With MODIS and AVHRR VI Data Using a Web-based Tool

Nikolay V. Shabanov and Marco Vargas

NOAA/NESDIS/STAR/SMCD, College Park, MD

- The VIIRS VI EDR product (TOC EVI and TOA NDVI) is operational since November 2011
- A Near Real Time (NRT) web-based automated tool has been set up at STAR to continuously monitor VIIRS VI global time series (statistical performance, potential anomalies/artifacts, impact of environmental conditions, including residual clouds, aerosols, view/observation geometry, etc). http://www.star.nesdis.noaa.gov/smcd/viirs_vi/Monitor.htm
- Major component in assessment of VIIRS VI product accuracy is comparison with with key heritage data sets from MODIS and AVHRR.
- The VIIRS VI-EDR reached Beta Maturity Status in February 06 2013. The product will be available to the public with a Beta level quality as of May 02, 2012



Top panel: 16-day composite of VIIRS TOC EVI for Jan1-16, 2013. Bottom panel: Statistics on consistency between VIIRS and MODIS VI- time series of mean and STD) of per-pixel difference between VIIRS and MODIS Aqua TOC EVI, calculated over all land and individual vegetation types (7 biomes).