

## **Objectives: VIIRS Cal Val – SST EDR products**

**Evaluate SST product performance for operational use and science applications**

**Evaluate Regional Coast SST products**

**Updates for IDPS processing and algorithms**

## **Project Accomplishments: Past year**

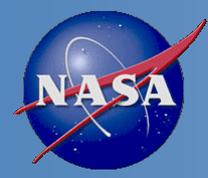
- 1. Assembled SST products from IDPS , and OSI\_SAF and Miami algorithms in Gulf of Mexico .**
- 2. Compared SST products in Coastal Fronts and coastal regions.**
- 3. Demonstrated use of the VIIRS orbital overlap for sensor validation. - Poster**
- 4. Began SST validation in Coastal areas (Mississippi Sound, Mobile Bay)**
- 5. Evaluated the SST assimilation into Ocean Models (NCOM, HYCOM)**

## **Future Plans –**

**Paper on SST Cal Val Over lap orbits with J.Cayula and S. Ignatov**

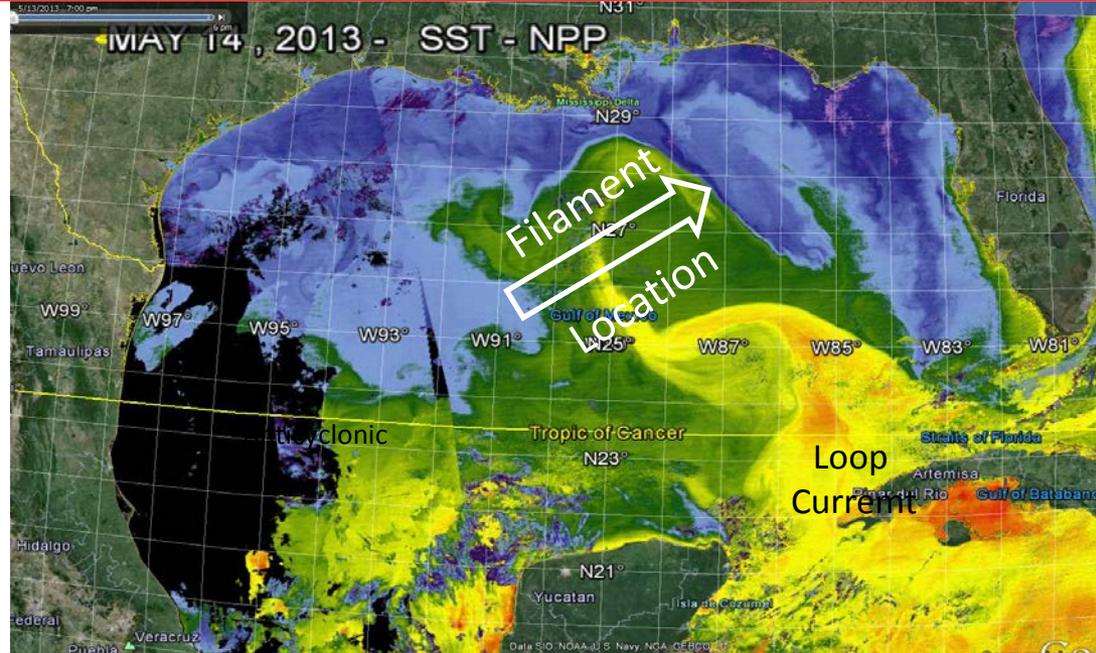
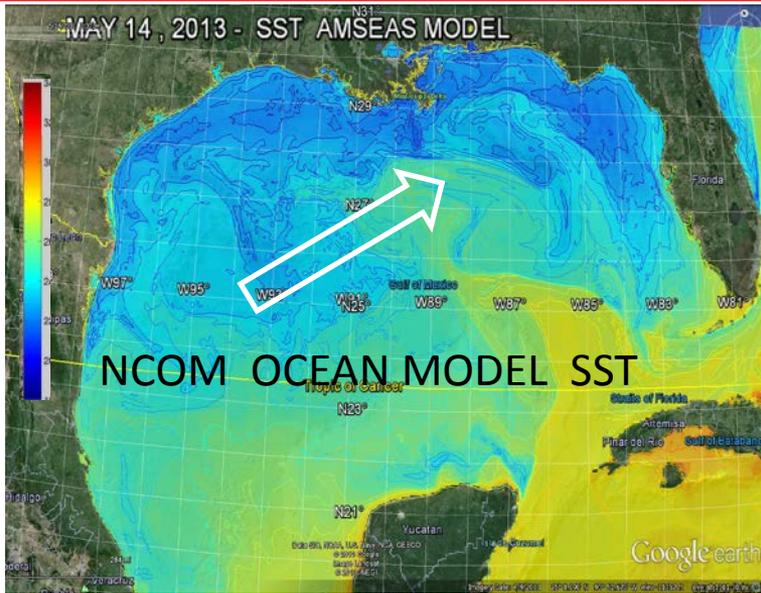
**Validation SST products in Coastal and estuary areas –**

**Examine the Detector response on SST retrievals**



# Sea Surface Temperature (University of Southern Miss)

## Regional Studies - Filament Location



**Over compensation in Cloud Mask can impact the Ocean Model SST**

**Difference in Filament location of Model and SNPP SST - associated with Assimilation and Cloud MASK**

