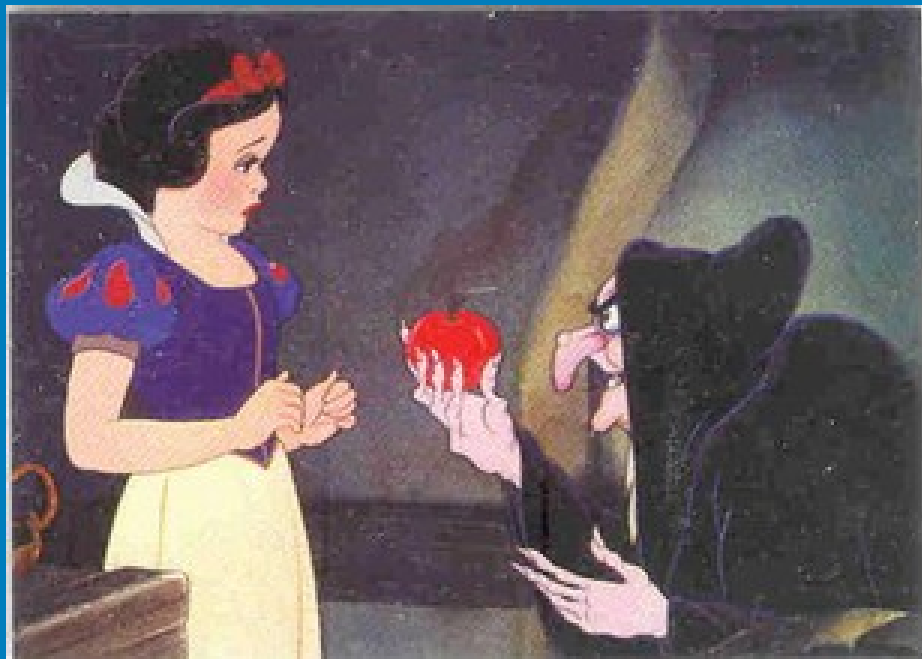


Not Satisfied with the High Resolution Circulation Models



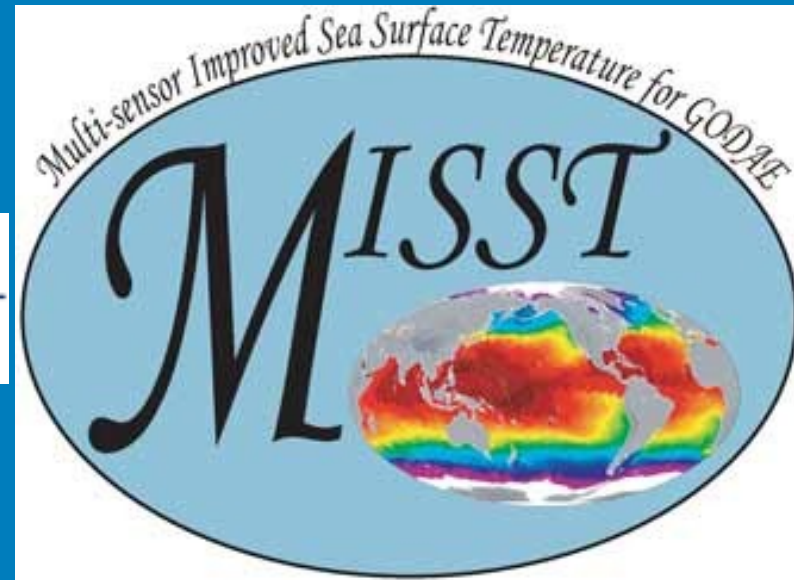
Yes cloud free, but Warning
if you use them:
Know the Limitations
Validation? – Calibration?



MISST

➤ Multi-sensor Improved Sea Surface Temperatures (MISST) for the Global Ocean Data Assimilation Experiment (GODAE) project.

- <http://www.misst.org>



ROFFS™ Compared

- NOAA GHRSSST L4 Blended OSPO Geo-Polar Blended Night 5km
- NASA GHRSSST L4 Blended GLOBUMUR 1km
- NASA GHRSSST L4 Blended OUROCEAN G1SST 1km
- ROFFS™ 1km composites
 - Night and 24 hour



Data Sources

1. G1SST and MUR from **JPL PO.DAAC** via ArcGIS and MGET tool
 2. NOAA OSPO geo-Polar Night from **NOAA NESDIS DDS**
 3. ROFFS™ from **NOAA CLASS, 1.1km**
 - a. **Use all NOAA's, Metop's, MODIS's, VIIRS**
 - **MODIS & VIIRS from USF IMaRS & U Del CTR**
- Remapped by ROFFS™



ROFFS™ Use -> Our Bias

- Water masses, frontal boundaries, current velocity derived from movies
 - Operational fish finding, ship routing, research station selection, oil monitoring, etc.
- Absolute temperature for fisheries research, e.g., habitat classification, climate effects, seasonal forecasting



Looking for clarity – definition of features