

SST Products at Remote Sensing Systems

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RSS contributions to GHRSST

- RSS is responsible for providing
 - Microwave SSTs from all SST-capable microwave sensors in L2P and L3U format.
 - Single-Sensor Error Statistics (SSES) error estimates for each retrieval.
- Current Status
 - L3U data is being delivered to the PODAAC
 - L2P data is undergoing final verification
- RSS OI SST analysis
 - RSS produces two optimum-interpolation analyses based on Microwave-Only, and Microwave and IR data.



Main activities since G-XVIII

- Finalized the Single-Sensor Error Statistics (SSES) tables for all microwave SST Sensors.
- Delivered Level L3U to the PODAAC for all microwave SST sensors, including GMI.
- The Level L2P is still under development. We anticipate delivery within the next few months after all satellite are calibrated to V8 standards (see next slide).

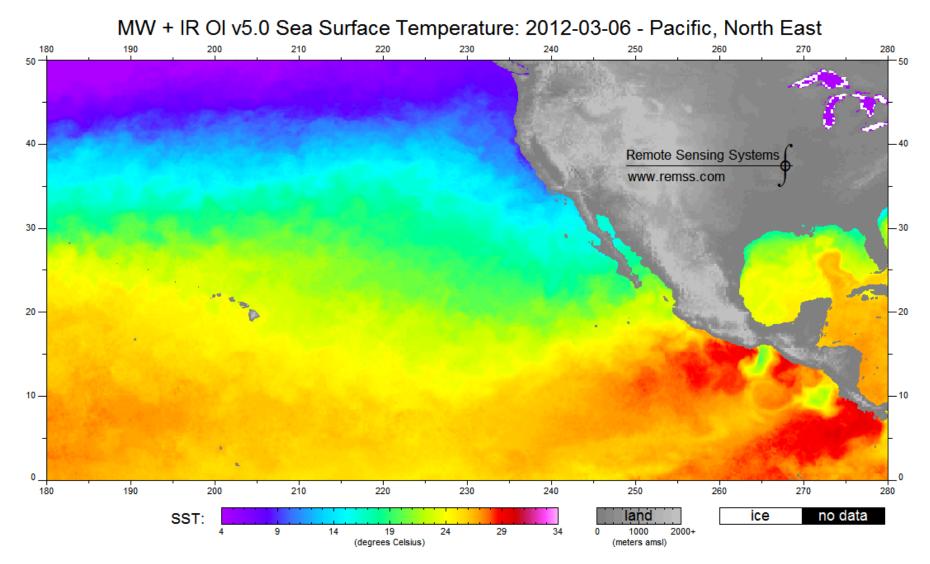


Main activities since G-XVIII

- We are upgrading all microwave sensors to V8 calibration standards.
 - The absolute radiance calibration for V8 is based on GMI, which is easier to calibrate due to internal noise sources and clever attitude maneuvers.
 - Currently, this process is finished for GMI, WindSat, TMI and AMSR2. AMSR-E is in progress.
- Developed new versions (Version 5.0) of the RSS microwave OI and Microwave+IR OI SSTs.
 - These new versions are based on the new SSES estimates.
 - Problems with the analysed SSTs being influenced by measurements made too far in the past were fixed.

Example RSS MW + IR Field

Remote Sensing Systems www.remss.com





Data availability

- For RDACS
 - L3U microwave SST data is delivered to the PODAAC
 - L2P data will be delivered in the next several months
 - MW OI and MW+IR SST available from RSS via ftp.

http://www.remss.com/measurements/sea-surface-temperature/