

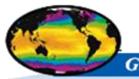


# 14<sup>th</sup> Meeting Report for the GHRSST Long Term Stewardship and Reanalysis Facility (LTSRF) at the US NODC

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Technical Director
NOAA National Oceanographic Data Center

NODC Team: Deirdre Byrne, Gregg Foti, Ajay Krishnan, Yuanjie Li, and John Relph

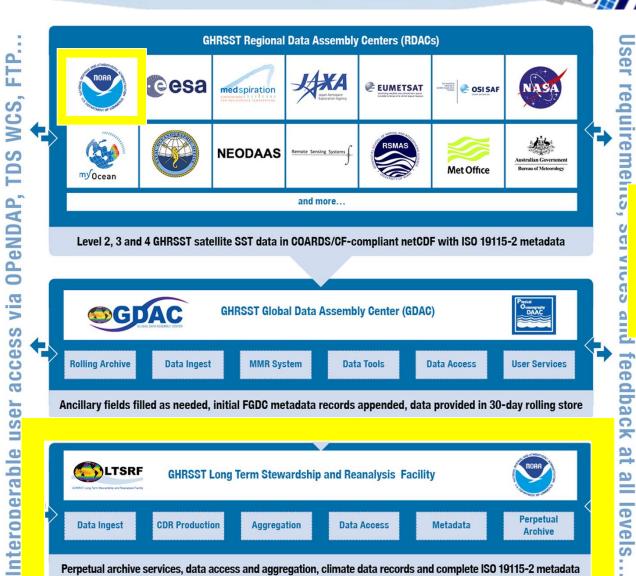
GHRSST-14, 17-21 June 2013



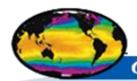
## Regional/Global Task Sharing

GHRSST Long Term Stewardship and Reanalysis Facility





NODC Serves as LTSRF and RDAC

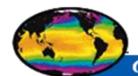


LTSRF Progress

GHRSST Long Term Stewardship and Reanalysis Facility

	2007	2008	2009	2010	2011	2012	2013*
Products		22	26	27	40	59	60
Accessions		39,048	49,957	59,982	67,906	92,282	95,244
Files		679,000	993,580	1,352,90 1	1,662,00 4	2,459,72 4	2,535,29 1
Volumes (TB)		13	20	28	34	57	59
Services	ftp http	ftp http	ftp http DAP	ftp http DAP WMS WCS	ftp http DAP WMS WCS LAS	ftp http DAP WMS WCS LAS Geoportal	ftp http DAP WMS WCS LAS Geoportal Granules CWIC

\*2013 numbers through 07 June 2013

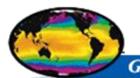


LTSRF Progress

GHRSST Long Term Stewardship and Reanalysis Facility

	2006	2007	2008	2009	2010	2011	2012	2013*
Files served per day	85	1130	1734	3413	21,956	14,896	28,807	15,869
GB served per day	0.2	1.8	3.9	18.8	66.3	115	73	84
Users served per day	3	7	8	8	11	19	19	21

\*2013 numbers projected based on Jan-May statistics.

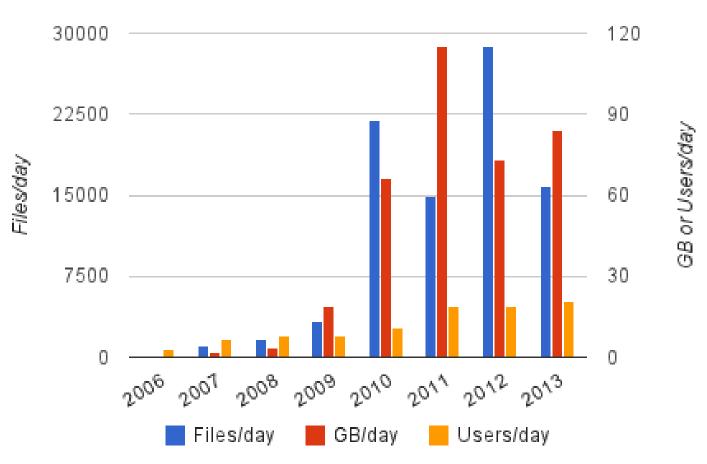


# LTSRF Progress

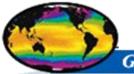
GHRSST Long Term Stewardship and Reanalysis Facility



#### GHRSST LTSRF Access Statistics



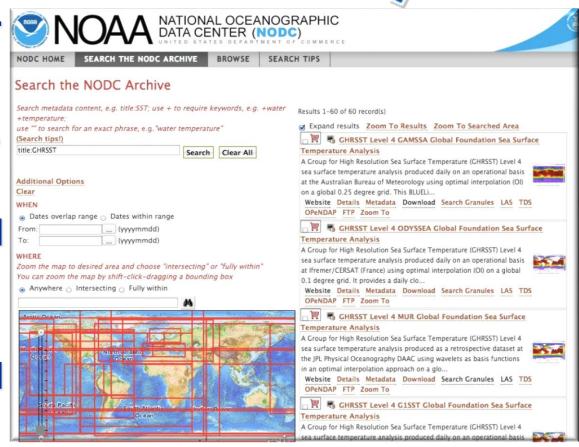
\*2013 projected based on Jan-May statistics.



**GHRSST Discovery and Access** 

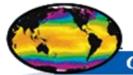
GHRSST Long Term Stewardship and Reanalysis Facility

- Human and REST interfaces
- Data access links
- 60 datasets, 53 with granule-level search
- Supports CEOS WGISS Integrated Catalog (CWIC)
- Most L4 now in LAS



Geoportal: <a href="http://data.nodc.noaa.gov/geoportal">http://data.nodc.noaa.gov/geoportal</a>

Live Access Server: <a href="http://data.nodc.noaa.gov/las">http://data.nodc.noaa.gov/las</a>



Linking Collections and Granules

GHRSST Long Term Stewardship and Reanalysis Facility

vO1.nc.az

UAF HOME	SEARCH	BROWSE	SEARCH TIPS				
Search							
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use "" to search for an exact phrase, e.g. "water temperature"  fileIdentifier:REMSS-L2P_GRIDDED_25-WSAT  Search  Clear All							
Additional Op	tions						
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frequency channels required for sea surface temperature (SST) retrievals. The TRIMIM IS



#### **Active Archive Efforts at LTSRF**

GHRSST Long Term Stewardship and Reanalysis Facility



#### GDS2 Readiness

- Ready as we can be!

#### Seriouse/KML Graphics

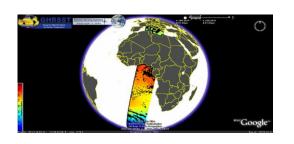
Generated automatically

### Automated Status Reporting

Still maintained every day

### Ingest from PO.DAAC Improved

- System more robust now and less reliant on presence of XML files
- PO.DAAC reconciliation underway







### **Project Goals**

- To provide the longest, most accurate, and highest resolution consistentlyreprocessed SST climate data record (CDR) from the AVHRR sensor series
- 2. To serve as a fundamental input to GHRSST Reanalysis CDRs

#### **Current Status**

- 1. Version 5.2 GDS2 L3C available for 1981-2012. Still no errors or times.
- 2. TDS, FTP, HTTP, LAS, OPeNDAP, WCS, WMS, and Geoportal Server
- 3. 7-day climatology and gap-filled time series in Coral Reef Temperature Anomaly Database (CoRTAD v4)

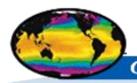


### **Looking Forward**

- Summer 2013: Daily, 5-day, 7-day, and monthly V5.2 averages and climatologies in GDS2 L3C/L4
- 2. End of 2013: **V5.3** GDS2 L2P, L3U, L3C (many improvements, see notes)
- 3. 2014-2015: Version 6 GDS2 L2P, L3U, and L3C, with uncertainties and times, 2000-present

Bob Evans, RSMAS; Gregg Foti and Ken Casey, NOAA NODC Project Summary: GHRSST-14 CDR Breakout Session

NODC Issue or Concern	Comment
GDS2 Readiness	Ready to go save final testing – need real data and schedules
PO.DAAC-NODC Reconciliation	Underway, close now, plan so always in sync in GDS2 era. Can track at http://www.nodc.noaa.gov/SatelliteDat a/ghrsst/remaining.txt
Archive of ATSR-1, ATSR-2, AATSR L2P data from RAL	We have a possible solution but need confirmation to continue
SST Climatologies in GDS2	We have them, what should we do with them?
GCOS SST Intercomparison site and common-input comparison study	Should we turn it off, rely just on LAS? Anyone going to complete the study?



Sir Arthur G. Doughty

GHRSST Long Term Stewardship and Reanalysis Facility



"Of all national assets, archives are the most precious; they are the gift of one generation to another and the extent of our care of them marks the extent of our civilization."

- **9** 1860-1936
- Dominion Archivist, Canada