GHRSST XIV
Report from the Project Office

Gary Corlett

GHRSST Project Coordinator

Silvia Bragaglia-Pike

GHRSST Project Administrator

GHRSST Project Office

- GHRSST Project Coordinator
  - Gary Corlett
  - University of Leicester, 50% FTE
- GHRSST Project Administrator
  - Silvia Bragaglia-Pike
  - University of Reading, 66% FTE
- New contract in place since 1st October 2012
  - Funded by ESA and NCEO

Main activities

- Run Project Office
- Provide support to Science Team and ST Chair
- Look after GHRSST documents
  - Coordinate with ST inputs (essential)
- Maintain GHRSST website
  - See next slide

The GHRSST Mill

Newsletter of the Group for High Resolution Sea Surface Temperature

https://www.ghrsst.org

Issue Number 9 - June 2013

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Reminder:

GHRSST XIV

17-21 June 2013

Woods Hole, MA, USA

Further details on page 2.

Scan to go to our website!

A Welcome to Metop-B

Metop-B was launched on 17th September 2012. Anne O'Carroll, GHRSST Science Team member from EUMETSAT writes: "Metop carries a set of 'heritage' instruments provided by the United States and a new generation of European instruments that offer improved remote sensing capabilities to both meteorologists and climatologists. The Advanced Very High Resolution Radiometer (AVHRR) and Infrared Atmospheric Sounding Instrument (IASI) have the capability of observing sea surface temperature.

Metop-B replaced Metop-A as EUMETSAT's prime operational polar-orbiting satellite following the end of its commissioning period on 24th April 2013, ensuring long term continuity of vital polar-orbiting weather and climate data. Metop-A is continuing operations in parallel, with two sets of data providing added value to users by improving forecast models, products and data resolution. The current goal is to operate Metop-A including product dissemination in parallel with Metop-B until the end-of-commissioning of Metop-C currently envisaged for 2018.

Metop-B Cal/Val activities to decide on the validation status of the products are currently underway. Initial Metop-B IASI SST validation results give similar results to Metop-A.

The switch to Metop-B AVHRR SST products from the OSI-SAF will be coupled with an upgrade of the LEO processing chain to include NWP outputs and bias correction in 2014."

Coupled Data Assimilation

GHRSST Science Team members Chris Merchant and Matt Martin report on the ESA sponsored International Workshop on Coupled Data Assimilation, which took place at the University of Reading on 10-12 Sept 2012.

"Coupled data assimilation is assimilation into a coupled ocean-atmosphere model, and is a current emphasis in the context of "seamless prediction" (using a single forecasting system for weather, to seasonal, to climate forecasts, as well as reanalyses). Allowing the SST to interact with the atmosphere in numerical weather prediction should improve predictability of tropical cyclones, for example, since the cold wake which the storm induces in turn affects the heat available to the storm from the ocean. If coupled data assimilation is run in such a way as to resolve the diurnal cycle, air-sea heat flux estimates could in principle be improved, and the observation of the diurnal SST amplitude could be made to improve near-surface wind speeds.

Several points of relevance to the GHRSST community emerged, since SST is a crucial variable linking many aspects of the coupled problem.

The necessity for assimilators to interact with observationalists was also a major theme and something for GHRSST in particular to take on board."

Look out for the special session on coupled data assimilation at GHRSST XIV.

GHRSST Website

- Website managed by AB Multimedia under contract to GPO
- Several changes planned
  - Minor changes to functionality
  - Major changes to content
  - Facelift (TBC)
- Changes to content will take place 19-23 August 2013
  - Please do not login to website during this period

External Meetings

- GODAE OceanView Science Team
- Visit to GDAC
- Visit to LTSRF and NOAA
- Visit to EUMETSAT
- CEOS Working Group on Calibration and Validation (WGCV)
- EUMETSAT/NSOAS bilateral
  - Hans Bonekamp
- CGMS 41
  - Misako Kachi

Major GHRSST Documents

- GHRSST Strategy and Implementation Plan (GDIP)
  - Science Team
  - V1.1 (2012-2022) January 2012
- User Requirements Document (URD)
  - AUS-TAG
  - V2.0 published July 2012
- GHRSST Data Specification (GDS)
  - DAS-TAG
  - V2.0 revision 5 online
- Climate Data Assessment Framework (CDAF)
  - CDR-TAG
  - V1.0.2 June 2013
- Validation Protocol Document (VPD)
  - ST-VAL
  - V1.0 June 2013

Future ST meetings

- To help planning future ST meetings the project office proposes we move to identifying hosts and venues several years in advance
- 2014 – Cape Town
- 2015 – TBC (West Coast USA)
- 2016 – China (link to IGARSS)
- 2017 – EUMETSAT (maybe 2016)

ST Membership

- New members nominated so far
  - Carol Anne Clayson
  - Gutemberg Franca
  - Robert Grumbine
  - Eileen Maturi
  - Jonah Robert-Jones
- Any other nominations to GPO by Thursday evening
- CVs for nominees and those up for re-election to be sent to GPO by

Support to TAGs & WGs

- TAG and WG activity since G-XIII has been minor
- The GPO is here to help
  - Organise meetings
  - Chase actions
  - Etc.
- Please let us know what we can do to facilitate.