

Third International Workshop on Advances in the Use of
Historical Marine Climate Data
(MARCDAT-III),
ESA-ESRIN, Frascati, Italy
2-6 May 2011

WRAP-UP DISCUSSION



Outcomes

1) Oral and Poster presentations

- on-line PDFs (from ppts) planned at:
- <http://icoads.noaa.gov/marcdat3/>
- assuming authors are agreeable (and subject to any advance edits, as required, for open public availability)
- please provide PDFs of posters too if agreeable (some received already)

Planned deadline: 2 weeks (**Friday 20th May***)

Absent a response, concurrence assumed

* Or 1 week = Friday 13th May.

Outcomes (cont'd)

2) Brief items

- JCOMM newsletter
 - Friday 20th May deadline
- ESA CCI website (similar)

3) EOS meeting summary

- SOC initial draft; brief review window by participants
- required ~2-month submission deadline

Outcomes (cont'd)

- JCOMM meeting report (CD-ROM by WMO)
 - Session and Plenary reports from rapporteurs
 - Hope to have individual reports in hand before end of meeting but not later than 1 week = **Friday 13th May**
 - Session A **Plenary 1**
 - Session B Plenary 2
 - ✓ **Session C** Plenary 3
 - ✓ **Session D** Plenary 4
 - ✓ **Session E**
 - Session F
 - Session G
 - Session H
 - Abstracts
 - revision possible, if required, for 2 weeks (**Friday 20th May**)
 - TO: Cathy.Morris@esa.int & Scott.D.Woodruff@noaa.gov
 - List of participants
 - Contact info has been assembled via registration

MARCDAT3 wrap-up: objectives (for ref.)

- The workshop will showcase and build on recent advances in marine climatology:
 - Evaluation, utilization and improvement of the over 300-year record of ICOADS (e.g. using satellite data)
 - Development of multi-decadal, homogeneous gridded datasets for climate applications
 - Characterization of uncertainty and bias in marine observations and products
- With the objective of recommending a 10-year action plan for improved integration and accessibility of climatological observations.

MARCDAT3 wrap-up: themes (for ref.)

1. Improving integration and promoting joint analysis of remotely sensed and in situ data, in the context of the GCOS and CEOS Essential Climate Variable (ECV) framework, and highlighting the ESA Climate Change Initiative
2. Improving the data management, accessibility, traceability, homogenization, and analysis of marine surface variables as part of the development of long-term global surface data sets—with reference to cross-cutting issues in land-based research
3. Initiatives seeking to capitalize on available advances in resolving data homogeneities and uncertainties, and in quality control—by making bias-adjusted and better characterized data (and metadata) available directly to researchers

Suggested priority wrap-up topics

1) UID development is suggested as critical e.g. for internationalizing ICOADS

- consider tapping existing technologies
- from:

http://en.wikipedia.org/wiki/Universally_unique_identifier:

“A **universally unique identifier (UUID)** is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE).

In this context the word unique should be taken to mean "practically unique" rather than "guaranteed unique". Since the identifiers have a finite size it is possible for two differing items to share the same identifier. The identifier size and generation process need to be selected so as make this practically impossible.”

Suggested priority wrap-up topics (cont'd)

2) Resources issues

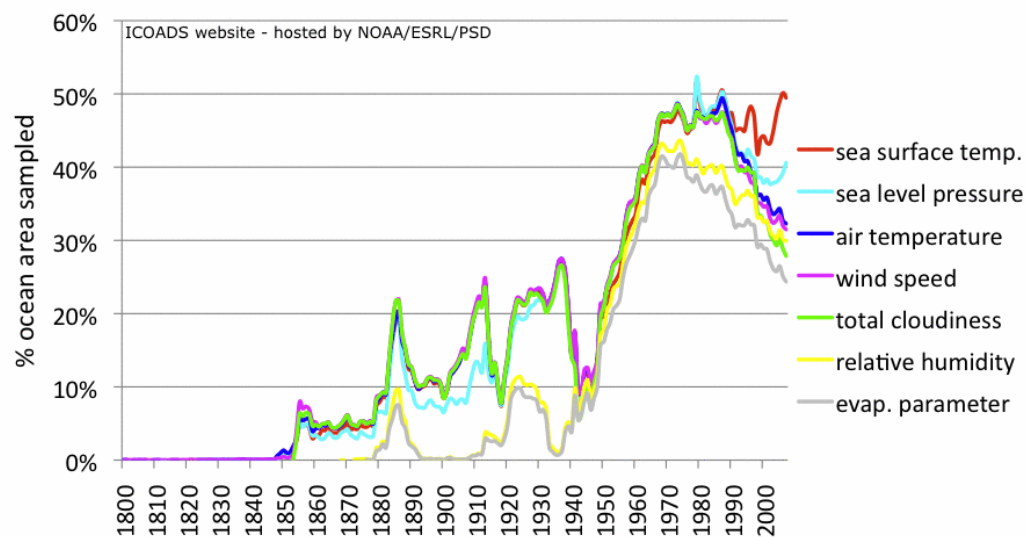
- Importance of the NOAA Climate Database Modernization Program (CDMP) – community action needed?
 - Seek NOAA higher-level input first
- ICOADS core project
- IVAD

Suggested priority wrap-up topics (cont'd)

3) Decline in the VOS

✓ Possible action/recommendation?

Kent, E.C., D.I. Berry, S.D. Woodruff, and P.K. Taylor, 2006:
Voluntary Observing Ships: A vital observing system in decline.
CLIVAR Exchanges, No. 38 (Vol. 11, No. 3, July 2006), 15 & 20-21.



10-year vision elements

- International data flow and observing system *fit for purpose*
- Adequacy and assessment – observing system requirements
- Integration and discovery – making our data accessible, and federate with other sources
- Adding value to the climate record through data rescue and federation
- Underpinning climate services and linking to applications

10-year vision elements (cont'd)

- Capacity building + cooperation
 - Foster internationalization of “I” COADS
- Develop a clear vision and user requirements: to provide a framework for seeking funding
- How to determine priorities
- Need to consider the need in the marine community (or cross-cutting?) for any new task teams / working groups
 - noting relevant existing JCOMM bodies: ETMC, TT-DMVOS, ETWS, etc.

Next meetings

- CLIMAR4 in about 2 years
- Ideas for location would be welcome
 - Preferably not Europe
 - Climar1 (Vancouver), Marcdat1 (Boulder)
 - Climar2 (Brussels), Marcdat2 (Exeter), Climar3 (Gdynia, Poland)
 - North America?
 - E.g. Boulder (again??), Asheville, Silver Spring, Monterey (no host?)
 - Canada?
 - Others?
- ✓ Need to keep in touch with land initiative meeting calendar...others?

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THANK YOU!

