Timetable

Third International Workshop on Advances in the Use of Historical Marine Climate Data (MARCDAT-III) 2-6 May 2011, Frascati, Italy
(Rev. 27 April 2011)

Preliminary timetable of introductory (in green; generally 20 min.), contributed (25 min.), and invited (in blue; 30 min.) oral presentations (all presentation times including ~5 min. for questions). Regular workshop oral presentations will be made in the Big Hall, Building 14. Poster presentations are listed following the oral presentations in *italics*; posters will also be available for viewing in the Big Hall throughout the workshop.

Monday 2 May		
Session/ Timeslot	*Title*	*Chair/ Rapporteur/ Lead author*
Session A: Introductory		
9:00-9:10	Welcome and Logistics	Craig Donlon
9:10-9:30	Opening: ESA Activities in support of marine climate data	Mark Doherty (Head of the ESA CCI Programme)
9:30-9:50	WMO activities in support of marine climate data	Etienne Charpentier
9:50-10:10	IOC/IODE perspectives on long term ocean climatic data sets	Sissy Iona
10:10-10:30	The JCOMM in situ Observing Programme Support Centre (JCOMMOPS)	Mathieu Belbeoch (presented by Etienne Charpentier)
10:30-11:00	Global ocean fundamental climate data records	David Halpern
11:00-11:30	Coffee/tea	
Session B: The ESA CCI and other satellite data		Chair: Craig Donlon; Rapporteur: Andrew Bingham
11:30-11:45	Introduction to Session B; and seeking a 10-year MARCDAT Vision	Craig Donlon
11:45-12:15	The European Space Agency's Climate Change Initiative Project for sea surface temperature (SST CCI)	Chris Merchant
12:15-12:45	Accurately measuring sea level change from space: an ESA Climate Change Initiative (Sea Level CCI)	Gilles Larnicol
12:45-13:15	ESA Ocean Colour CCI	Laurant Bertino
13:15-13:45	ESA Clouds CCI	Juergen Fischer
13:45-15:15	Lunch	
15:15-15:45	Climate relevant aerosol retrieval over ocean from the ESA aerosol_cci project	Gerrit De Leeuw

15:45-16:15	Critical Issues for the specification of unbiased and homogeneous marine surface wind reanalyses	Vince Cardone
16:15-16:45	Coffee/tea	
16:45-17:15	Pathfinder, GHRSST, and the SST Essential Climate Variable Framework	Ken Casey
17:15-19:00	Welcome icebreaker hosted by ESA/ESRIN	
Tuesday 3 May		
Session C: Satellite and in situ datasets, reanalyses, and analyses		Chair: Ken Casey; Rapporteur: Martin Rutherford
9:00-9:05	Introduction to Session C	Ken Casey
9:05-9:35	A collocation service for *in situ* and remotely sensed measurements	Steve Worley
9:35-10:00	Satellite data for marine climate monitoring purposes	Gudrun Rosen-hagen (for Jörg Trentmann)
10:00-10:25	Creating a consistent time series of global sea-surface temperature using *in situ* and satellite data sources	John Kennedy

10:25-10:50	Uses of satellite data for gridded sea surface temperature analyses of pre-satellite period	Alexey Kaplan
10:50-11:50	Coffee/tea & First Poster Viewing (Big Hall)	
11:50-12:15	Improved historical reconstructions of SST and marine precipitation variations	Tom Smith
12:15-12:40	The ERA-CLIM Project	Hans Hersbach
12:40-13:05	OSTIA Reanalysis: A high resolution SST and sea-Ice reanalysis	Jonah Roberts-Jones
13:05-13:30	Satellite and in situ sea surface temperature comparison and merging in the Mediterranean Sea	Aida Alvera-Azcarate
13:30-13:45	Buffer time	
13:45-15:15	Lunch	
14:10-15:00 (Big Hall)	Side meeting: GCOS SST Working Group	Chair: Tom Smith
Session D: In situ datasets, reanalyses, and analyses		Chair: Tom Smith; Rapporteur: Alexey Kaplan
15:15-15:20	Introduction to Session D	Tom Smith
15:20-15:50	All historical SST analyses are wrong*, probably even this one	John Kennedy

15:50-16:15	A new Historical SST Analysis: COBE2-SST	Shoji Hirahara
16:15-16:45	Coffee/tea	
Cross-cutting plenary discussion		
16:45-18:00	Plenary Discussion 1 (75 min.): Reanalyses, and analyses using satellite and in situ datasets in synergy	Co-Chairs: David Halpern and Chris Merchant; Rapporteur: Vince Cardone
18:00-20:00 (Big Hall)	Side meeting: JCOMM Expert Team on Marine Climatology (ETMC) Task Teams	Chairs: Nicola Scott and Gudrun Rosen-hagen
Wed. 4 May		
Session D: In situ datasets, reanalyses, and analyses (continued)		
9:00-9:25	Assessment and validation of the NOCS2.0 dataset	David Berry
9:25-9:50	A hierarchical Bayesian model for ocean properties reconstructions	Bruno Sanso
9:50-10:15	Systematic errors in the hydrographic data and their effect on global heat content calculations	Viktor Gouretski

10:15-10:40	Ocean heat content variations and its trends estimated from historical oceanographic observations	Yoshikazu Fukuda
10:40-11:40	Coffee/tea & Second Poster Viewing (Big Hall)	
Session E: In situ data rescue		Chair: Frits Koek; Rapporteur: Wolfgang Gloeden
11:40-11:45	Introduction to Session E	Frits Koek
11:45-12:15	ACRE, Citizen Science and OldWeather	Rob Allan
12:15-12:40	English East India Company logbooks – significant contributions to history and science	Eric Freeman
12:40-13:05	International Marine Data Rescue: The RECovery of Logbooks And International Marine Data (RECLAIM) Project	Clive Wilkinson
13:05-13:30	Rescue of historical records of the US Fish Commission and the US Navy	Catherine Marzin (presented by Scott Woodruff)
13:30-13:45	Buffer time	
13:45-15:15	Lunch	

Session F: Land-marine: cross-cutting data and analyses		Chair: Albert Klein Tank; Rapporteur: Gudrun Rosen-hagen
15:15-15:20	Introduction to Session F	Albert Klein Tank
15:20-15:50	Land surface temperature records - are we keeping our side of the bargain?	Peter Thorne
15:50-16:15	Is it good enough? benchmarking homogenis-ation algorithms and cross-cutting with efforts for land observations	Kate Willett
16:15-16:45	Coffee/tea	
16:45-17:10	Changes in cloud cover and cloud types over the ocean from surface observations, 1954-2008	Ryan Eastman
17:10-17:35	Estimating long term trends of ENSO variability	Andy Chiodi
Tentatively 19:30, to be confirmed later	Self-funded dinner at Restaurant *Il Cortiletto*	Via S.L. Filippini – Frascati 069419920
Thursday 5 May		
Session G: In situ and satellite wave data and analyses		Chair: Elizabeth Kent; Rapporteur: Etienne Charpentier
9:00-9:05	Introduction to Session G	Elizabeth Kent
9:05-9:35	Wave measurement Evaluation and Testing	Val Swail
9:35-10:00	Project GlobWave	Geoff Busswell
10:00-10:25	Global ocean wind waves from ICOADS during the last 130 years: reliability, extremes and climate variability	Vika Grigorieva
10:25-10:50	Comparing significant wave height statistics from ICOADS and satellite altimeter data	Martin Rutherford
10:50-11:15	The effects of changes in observational practices for moored buoys on long term wave trend	Bridget Thomas (presented by Val Swail)
11:15-11:45	Coffee/tea	
Session H: In situ marine data manage-ment initiatives		Chair: David Berry; Rapporteur: Sissy Iona
11:45-11:50	Introduction to Session H	David Berry
11:50-12:15	Status and Plans for the International Comprehensive Ocean-Atmosphere Data Set (ICOADS)	Scott Woodruff
12:15-12:45	Developing an ICOADS Value-added Database to support climate research	Shawn Smith

12:45-13:10	Improving VOS data management: an update on progress from JCOMM Task Team on Delayed Mode VOS data	Nicola Scott
Cross-cutting plenary discussion		
13:10-13:45	Plenary Discussion 2 (35 min.): Prospects for wave summaries in ICOADS	Chair: Val Swail; Rapporteur: Scott Woodruff
13:45-15:15	Lunch	
Cross-cutting plenary discussion		
15:15-16:30	Plenary Discussion 3 (75 min.): Challenges and solutions to enhance ICOADS	Co-Chairs: Shawn Smith and Steve Worley; Rapporteur: Eric Freeman
16:30-17:00	Coffee/tea	
17:00-18:00	Plenary Discussion 4 (60 min.): Analysis and uncertainty issues common to in situ land and marine data	Co-Chairs: Albert Klein Tank and Elizabeth Kent; Rapporteur: Kate Willett

Friday 6 May		
Cross-cutting plenary discussion		
9:00-10:00	Plenary Discussion 5 (60 min.): Issues and opportunities when extending the long term-record using satellite data	Co-Chairs: Mark Doherty and Craig Donlon; Rapporteur: TBD
10:00-10:15	Summary of major issues arising at the meeting so far and introducing remaining discussion sessions	Scott Woodruff
10:15-10:45	Coffee/tea	
10:45-11:45	Priorities and next steps	
11:45-12:30	Conclusions	
12:30	Workshop close	
13:45-15:15	Lunch	
	Develop workshop report and action plans	

Posters		
Theme 1		
1	A comparison of surface wind speed datasets	*Elizabeth Kent*
2	*(A)ATSR Re-Analysis for Climate (ARC): stability of ATSR data versus in situ observations*	*David Berry*
3	*Quantifying variance due to temporal and spatial difference between ship and satellite winds*	*Mark Bourassa (presented by Shawn Smith)*
4	*Remotely sensed surface turbulent fluxes and validation with in situ observations*	*Mark Bourassa (presented by Shawn Smith)*
5	*Application of Remote Sensing in Decadal Marine Climate Prediction: Challenges and Opportunities in Nigeria*	*A.O. Ediang*
6	*Importance of the deep ocean for estimating decadal changes in Earth's radiation balance*	*Matt Palmer (presented by John Kennedy)*
Theme 2		
7	*Long term variability of the Mediterranean Sea surface temperature using international databases including the ICOADS*	*Sissy Iona*
8	*Creating a marine humidity monitoring product*	*Kate Willett*
9	*Research Vessel observations: a modern data record for marine climatology*	*Shawn Smith*
10	*Advancing the Use of Historical Environmental Data through the Climate Database Modernization Program*	*Eric Freeman*
11	*Keying Dutch 19th Century ships' logbooks in CDMP*	*Frits Koek*
12	*Rescue of historical data from land & sea*	*Wolfgang Gloeden*
13	*Digitization of met. journals from ships*	*Wolfgang Gloeden*
14	*Digitization of data from overseas*	*Wolfgang Gloeden*
Theme 3		
15	*The NOCSv2.0 Surface Flux Dataset*	*Elizabeth Kent*
16	*Estimating and presenting uncertainties in an historical sea-surface temperature analysis*	*John Kennedy*
17	*Improved estimates of uncertainty in gridded sea-surface temperature data sets*	*John Kennedy*