

GHRSSST Workshop on Traceability of Drifter SST Measurements
13-14 October 2016, Scripps Institution for Oceanography, La Jolla, CA, USA

A scientific and technical workshop on traceability of drifter SST measurements

Sea Cave Room, Eckart Building, Scripps Institution for Oceanography, La Jolla, California: 13-14 October 2016

Objective

To review scientific needs and historical practice in drifter SST measurement and **agree best practice** for the future, for adoption and ratification by the DBCP and the satellite SST community.

AGENDA (rev 12 October)

Day 1

0930-0945	Welcome by Scripps, NOAA and the DBCP	Luca Centurioni, Sidney Thurston and Jon Turton
0945-1015	Introduction, background to the workshop, its purposes and scope	David Meldrum, DMLtd
Session 1	How the satellite community uses <i>in situ</i> SST: its needs for the future	
1015-1045	Contributions of drifter temperature measurements to satellite SST retrievals	Peter Minnett, U of Miami
1045-1115	Use of drifter measurements in satellite climate data records of SST	Chris Merchant, U of Reading
1145-1215	NOAA satellite SST products and harmonization with <i>in situ</i> data	Alexander Ignatov, NOAA
	HR Drifters vs. GTS Drifters in iQuam2	
1215-1245	GHRSSST and satellite SST uncertainty validation, early results from HRSST deployments	Gary Corlett, GHRSSST PO
Session 2	How the satellite community is progressing	
1400-1430	ESA initiatives in support of Sentinel-3 and GHRSSST	Craig Donlon, ESA
1430-1500	EUMETSAT initiatives: improving drifting buoy SST for Copernicus satellite validation	Anne O'Carroll, EUMETSAT
1500-1530	Discussion - satellite community priorities	Peter Minnett (facilitator)
Session 3	Drifter SST background	
1600-1630	Drifter SST – current and historical practice	David Meldrum
1630-1700	The Global Drifter Program: Observations of Sea Surface Temperature in the World's Oceans	Luca Centurioni, Scripps
1700-1730	Review of day's activities and objectives for Day 2	David Meldrum (facilitator)

Day 2

0900-0915	Introduction to Day 2: do we understand what we need to achieve!	David Meldrum
Session 4	Practical progress with implementing HRSST	
0915-0945	The Metocean HRSST sensor and its implementation	Bernie Petolas, Joubeh
0945-1015	Météo-France/E-SURFMAR practical experience with HRSST buoys	Gilbert Emzivat, Météo France
1015-1045	Météo-France/E-SURFMAR HRSST calibration and recalibration exercises	Paul Poli, Météo France
1045-1115	The evolution of the Pacific Gyre SST sensor and our view of the future	Andy Sybrandy, Pacific Gyre

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Session 5	Agreeing what needs to be done	
1145-1215	Manufacturer viewpoints	Craig Donlon and Paul Poli (facilitators)
1215-1245	Discussion, review and tabulation of requirements	David Meldrum (facilitator)
1400-1430	Traceability: how to meet requirements for T	Peter Minnett (facilitator)
1430-1500	Traceability: how to meet requirements for (x,y,z,t)	Bernie Petolas (facilitator)
1500-1530	Traceability: downstream processing, data and metadata dissemination and archival	Luca Centurioni (facilitator)
Session 6	A model for best practice for adoption by DBCP	
1600-1730	Discussion - a strawman proposal for endorsement by the DBCP	David Meldrum and Jon Turton
	Meeting close	
	Summary and way forward - Understanding and quantifying the uncertainty budget	David Meldrum

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