



**International Space Science Institute
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International Teams in Space Science

Generation of Climate Data Records of Sea-Surface Temperature from current and future satellite radiometers

Team Leader:

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Co-Team Leader:

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Third Workshop April 8-12, 2012

Agenda

Monday, 8 April, 2013

Welcome

Local Arrangements
Regrets for absence
Review Objectives of the Workshop
Discuss & modify agenda

Satellite radiometers

New results of note:
MODIS – Terra and Aqua SST Accuracies - [Peter Minnett](#)
Suomi-NPP VIIRS SST Accuracies - [Peter Minnett](#)
Chinese satellites and sensors - [Lei Guan](#)
EUMETSAT, MetOpB and Meteosat 10 - [Anne O'Carroll](#)
Others? New results of note - [All](#)

Shipboard radiometers

New Radiometers:
M-AERI Mk 2 - [Peter Minnett](#)
Update on past and future deployment plans.
Radiometer calibration workshop
Report of the IVOS Workshop, ESRIN, March 19-21 - [Peter Minnett & Gary Corlett](#)

In situ measurements

Updates on results using drifting or moored buoys.
New developments?

Discussion of SST CDRs

Uncertainty budgets and SI traceability - [Theo Theocharous](#)
Improvements on the flow diagram developed at the Second Workshop? What are the metrics for assessing the equivalence of the SI- and non-SI-traceable uncertainty budgets?
Can we justify the term “CDR” ?
How can satellite SST CDRs be merged with in situ SST time series?
Ocean reference sites – is this concept one to follow for radiometric skin SST measurements?
Alignment with QA4EO; involvement of CEOS

Data Archiving and distribution

Refine the user requirements for a data archive
Discuss and agree upon the initial radiometer data format, including metadata for archival data - [Tim Nightingale](#)

Definition of Breakout Groups – Ship-board radiometry, in situ measurements and (other suggestions?)

Each group to consider, amongst other things:

Minimum and optimal accuracy requirements and how these can be achieved and demonstrated

Revision of contents of “Best Practices Handbooks” for measurements to be used to validate satellite-derived SSTs

Discuss research areas that need urgent attention.

Tuesday, 9 April, 2012 to Thursday, April 11, 2013

Writing in break-out groups or individually

Reports from Breakout Groups

Friday, 12 April, 2013

Future plans

Identify problems to be addressed, gaps to be filled

Opportunities for coordinated ship radiometer deployments

Outline of peer-reviewed publications arising from this ISSI Study Project

Wrap-up

Adjourn 12:30

Study Group Participants

Dr Peter Minnett (Team Leader)	University of Miami, USA
Dr Gary Corlett (Co-leader)	University of Leicester, UK
Dr Sandra Castro	University of Colorado, USA
Dr Craig Donlon	ESA-ESTEC, NL
Dr Bob Evans	University of Miami, USA
Dr Nigel Fox	National Physical Laboratory, UK
Dr Chelle Gentemann	Remote Sensing Systems, USA
Dr Lei Guan	Ocean University of China, CN
Dr Simon Hook	NASA Jet Propulsion Laboratory, USA
Dr Andrew Jessup	University of Washington, USA
Dr Tim Nightingale	Rutherford Appleton Laboratory, UK
Mrs Anne O'Carroll	EUMETSAT, DE
Dr Gary Wick	NOAA Earth System Research Laboratory, USA
Mr Werenfrid Wimmer	University of Southampton, UK
Dr Chris Wilson	NASA Jet Propulsion Laboratory, USA