



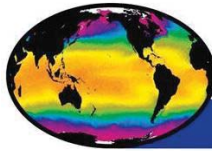
**GHRSSST XVI**  
**ESA/ESTEC, The Netherlands**  
**20 – 24 July 2015**

**Draft Agenda Outline – 9<sup>th</sup> July 2015**



**Meeting hosted and sponsored by:**





---

## Table of Contents

1.	Welcome to GHR SST XVI.....	3
2.	Organisation.....	3
2.1.	Oral Presentations .....	3
2.2.	Chairs .....	3
2.3.	Rapporteurs .....	4
2.4.	Posters.....	4
3.	Agenda .....	5
3.1.	Sunday 19th July 2015.....	5
3.2.	Monday 20 <sup>th</sup> July 2015 .....	5
3.3.	Tuesday 21 <sup>st</sup> July 2015 .....	11
3.4.	Wednesday 22 <sup>nd</sup> July 2015 .....	13
3.5.	Thursday 23 <sup>rd</sup> July 2015.....	15
3.6.	Friday 24 <sup>th</sup> July 2015.....	17
4.	Meeting details.....	19
4.1.	Meeting venue .....	19
4.2.	Lunches and coffee breaks .....	19
5.	Events.....	19
5.1.	Monday 20 <sup>th</sup> July – Welcome reception.....	19
5.2.	Wednesday 22 <sup>nd</sup> July - Team building afternoon .....	19
5.3.	Wednesday 22 <sup>nd</sup> July - GHR SST evening dinner .....	20
5.4.	Networking Opportunities.....	20
6.	Travel information to The Netherlands and ESTEC.....	21
7.	Hotel information .....	21
8.	Local travel information .....	21
8.1.	Local bus transfers from/to Noordwijk: .....	21
8.2.	Public transport to/from Leiden.....	22
8.3.	Bicycle hire (please contact suppliers directly for more details about routes): .....	22
8.4.	Taxi / Getting to the airport.....	23
8.5.	Tourist information .....	23
9.	Contacts.....	23
10.	Summary of deadlines .....	23

## 1. Welcome to GHRSSST XVI

Welcome to the 16th Science Team Meeting of GHRSSST - a highlight of the year.

## 2. Organisation

### 2.1. Oral Presentations

Presentations should be made according to the time allotted in the Agenda.

Each presenter is requested to provide an **extended abstract** of their presentation **by the end of the meeting, or by 15<sup>th</sup> August 2015 at the latest**, for inclusion in the GHRSSST proceedings. This will help get the proceedings published efficiently and quickly after the meeting ends.

A Microsoft Word template for your extended abstracts is provided at:

<https://www.ghrsst.org/files/download.php?m=documents&f=121129121900-yoursurnameabstract.dot>

Please use the following format for the abstract:

Title: Time series of SST anomalies off Western Africa

Authors: Josephine Bloggs, Anne Other

Affiliations: Crop Department, Top University, New Town

Email: [j.bloggs@generic.ac.uk](mailto:j.bloggs@generic.ac.uk)

Abstract: Continue up to a maximum of 250 words

Please underline the presenting author.

### 2.2. Chairs

**Session Chairs:** The main tasks of a session chair are to briefly introduce each speaker, keep the presentations to the time allowed, and to lead/moderate the discussion. The chair should work closely with the rapporteur to prepare a **short summary of the session**.

**Breakout session Chairs** are responsible for:

- Preparing the breakout session in advance in order to focus on the key issues for GHRSSST.
- Arranging short overview presentations and timetabling these to allow as much discussion as possible.
- Reporting the session back to plenary on Friday morning.
- Reporting the session formally (based on notes from the rapporteur) in a written **session summary report**.

Both **plenary and breakout *Session Summary Reports*** should be suitable for publication in the proceedings and are to be **delivered to the GPA ([gpa@ghrsst.org](mailto:gpa@ghrsst.org)) before the end of the meeting.**

### 2.3. Rapporteurs

The purpose of the rapporteurs is to capture important information during the session for the follow-up of the workshop by the GPO and Science Team. In preparing your session reports, you should avoid making lengthy summaries of the presentations and discussions.

Please concentrate on issues which relate directly to the objectives of the workshop, the mandate of GHRSSST and the future development of GHRSSST ocean products and services and provide a general overview of the main session outcomes/conclusions.

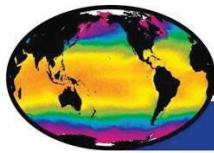
As a template for your session report please use:

<https://www.ghrsst.org/files/download.php?m=documents&f=121129121900-yoursurnameabstract.dot>

### 2.4. Posters

Please note that it is each presenter responsibility to remove their poster after the meeting. Posters that remain will be disposed of.

As a reminder, the size of the poster panels is: 1.2 x 1.8 m in portrait orientation.



### 3. Agenda

#### 3.1. Sunday 19th July 2015

For details of a suggested get-together in the evening see Section 5: Events.

#### 3.2. Monday 20<sup>th</sup> July 2015

**Monday, 20th July 2015**

**Erasmus Auditorium**

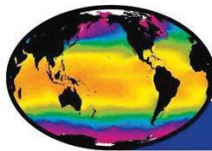
**08:00-  
09:00** Registrations

*Plenary Session I: Introduction*

*Chair: Peter Minnett Rapporteur: Gary Corlett*

<b>09:00- 10:30</b>	<b>Welcome and introductory talks</b>	
09:00- 09:05	<i>Welcome to GHR SST XVI</i>	<i>Peter Minnett</i>
09:05- 09:20	<i>Welcome address from ESA</i>	<i>Maurice Borgeaud</i>
09:20- 09:30	<i>Overview of GHR SST</i>	<i>Peter Minnett</i>
09:30- 09:50	<i>SST and instrument development at ESA</i>	<i>Craig Donlon</i>
09:50- 10:05	<i>SST and applications at ESA</i>	<i>Olivier Arino</i>
10:05- 10:20	<i>SLSTR data and marine operations</i>	<i>Anne O'Carroll</i>
10:20- 10:30	<i>Plans for the week ahead</i>	<i>Gary Corlett</i>

**10:30-  
11:00** Tea/Coffee Break



# GHR SST

Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

**Monday, 20th July 2015**

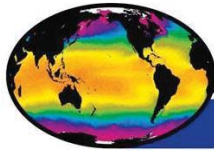
**Erasmus Auditorium**

**Plenary Session II: Review of activities since G-XV**

**Chair: Andy Harris Rapporteur: Owen Embury**

11:00-11:10	<i>GHR SST Connection with CEOS: SST-VC</i>	<i>Anne O'Carroll</i>
11:10-11:20	<i>GHR SST system Components: GDAC</i>	<i>Ed Armstrong</i>
11:20-11:30	<i>GHR SST system Components: EU GDAC</i>	<i>Jean-François Piollé</i>
11:30-11:40	<i>GHR SST system Components: LTSRF</i>	<i>Ken Casey</i>
11:40-11:50	<i>GHR SST system Components: SQUAM and iQUAM</i>	<i>Alexander Ignatov</i>
11:50-12:00	<i>GHR SST system Components: Felyx</i>	<i>Jean-François Piollé</i>
12:00-12:10	<i>RDAC Update: ABoM</i>	<i>Helen Beggs</i>
12:10-12:20	<i>RDAC Update: CMEMS</i>	<i>Hervé Roquet</i>
12:20-12:30	<i>RDAC Update: CMC</i>	<i>Dorina Surcel Colan</i>
12:30-12:40	<i>RDAC Update: EUMETSAT</i>	<i>Anne O'Carroll</i>
12:40-12:50	<i>RDAC Update: EUMETSAT OSI SAF</i>	<i>Stéphane Saux Picart</i>
12:50-13:00	<i>RDAC Update: JAXA</i>	<i>Misako Kachi</i>

<b>13:00-14:00</b>	<b>Lunch at ESTEC self-service restaurant</b>
--------------------	---



# GHR SST

Group for High Resolution  
Sea Surface Temperature

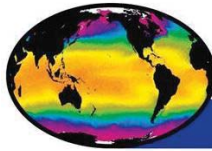
16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

**Monday, 20th July 2015**

**Erasmus Auditorium**

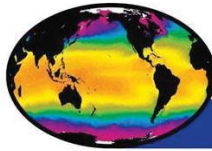
*Chair: Anne O'Carroll Rapporteur: Ioanna Karagali*

14:00-14:10	<i>RDAC Update: JMA</i>	<i>Shiro Ishizaki</i>
14:10-14:20	<i>RDAC Update: Met Office</i>	<i>Simon Good</i>
14:20-14:30	<i>RDAC Update: NASA</i>	<i>Ed Armstrong</i>
14:30-14:40	<i>RDAC Update: NAVO</i>	<i>Jean-François Cayula</i>
14:40-14:50	<i>RDAC Update: NOAA/ACSPO</i>	<i>Alexander Ignatov</i>
14:50-15:00	<i>RDAC Update: NOAA/NESDIS/STAR</i>	<i>Eileen Maturi</i>
15:00-15:10	<i>RDAC Update: NOAA/NCEI</i>	<i>Ken Casey</i>
15:10-15:20	<i>RDAC Update: REMO</i>	<i>Gutemberg França</i>
15:20-15:30	<i>RDAC Update: RSS</i>	<i>Chelle Gentemann</i>
<b>15:30-16:00</b>	<b>Tea/Coffee Break</b>	

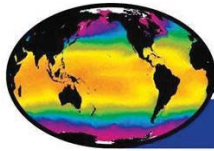
**Monday, 20th July 2015****Erasmus Highbay**

16:00-18:00	Poster Session	
1	<i>Improving application of data quality information in accessing and using satellite data</i>	<i>Ed Armstrong</i>
2	<i>Forecast of SST: calibration of ocean forcing with satellite flux estimates (coffee)</i>	<i>Charlie Barron</i>
3	<i>IMOS AVHRR SST products suitable for near-coastal applications</i>	<i>Helen Beggs</i>
4	<i>Cloud Detection for sea surface temperature from global area coverage products</i>	<i>Claire Bulgin</i>
5	<i>Validation of Satellite-derived Lake Surface Temperature</i>	<i>Erik Crosman</i>
6	<i>SST validation: Effect of space-time collocation criteria and determination of product-specific internal errors SQUAM Demo</i>	<i>Prasanjit Dash</i>
7	<i>SST CCI status and progress</i>	<i>Owen Embury</i>
8	<i>Uncertainties in validation of SST analyses using near-surface Argo observations</i>	<i>Emma Fiedler</i>
9	<i>Fiducial Reference Measurements for CEOS (FRM4CEOS)</i>	<i>Nigel Fox</i>
10	<i>Long-Term Variability of Satellite Lake Surface Water Temperatures in the Great Lakes</i>	<i>Michelle Gierach</i>
11	<i>Pattern recognition enhancements to clear sky mask for VIIRS SST</i>	<i>Irina Gladkova</i>
12	<i>ACSPO VIIRS SSTs</i>	<i>Alexander Ignatov</i>
13	<i>Relative error in L4 products and "super-observations" as a function of grid resolution</i>	<i>Alexey Kaplan</i>
14	<i>Implications of diurnal warming events on atmospheric modelling</i>	<i>Ioanna Karagali</i>
15	<i>Validation, error analysis and the effect of cloud contamination on the quality of VIIRS SST retrievals for various algorithms</i>	<i>Prabhat Koner</i>



**GHR SST**Group for High Resolution  
Sea Surface Temperature16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands**Monday, 20th July 2015****Erasmus Highbay**

16:00-18:00	Poster Session	
16	<i>Effects of low-frequency frontal scale sea surface temperature on ocean-atmosphere coupling</i>	<i>Tim Liu</i>
17	<i>The uncertain high latitude SST sampling errors and the reduced errors in SST seasonal anomaly</i>	<i>Yang Liu</i>
18	<i>Validation of met office OSTIA diurnal analysis using Argo floats</i>	<i>Chongyan Mao</i>
19	<i>NOAA/NESDIS Operational GHR SST Sea Surface Temperature Products</i>	<i>Eileen Maturi</i>
20	<i>Bias awareness in optimal estimation of sea surface temperature</i>	<i>Chris Merchant</i>
21	<i>Infrared radiometers on ships of opportunity for satellite-derived sea-surface temperature validation</i>	<i>Peter Minnett</i>
22	<i>An update on MODIS and VIIRS Sea-surface Temperatures</i>	<i>Peter Minnett</i>
23	<i>Fidelity and Uncertainty in Climate Data Records from Earth Observation: The FIDUCEO project</i>	<i>Jon Mittaz</i>
24	<i>Felyx demo</i>	<i>Jean-François Piollé</i>
25	<i>SST user workshop on uncertainties</i>	<i>Nick Rayner</i>
26	<i>CMEMS OSI TAC progress report</i>	<i>Hervé Roquet</i>
27	<i>Preparing OSI-SAF SEVIRI/MSG SST reprocessing 2004-2012</i>	<i>Stéphane Saux Picart</i>
28	<i>Experiences with Sentinel-3 Optical Sensor Products</i>	<i>Igor Tomažić</i>
29	<i>Upwelling characteristics from SST gradients in the Peru/Chile coastal system</i>	<i>Jorge Vazquez</i>
30	<i>The impact of the ocean thermal skin layer on air-sea interfacial heat fluxes</i>	<i>Elizabeth Wong</i>
31	<i>Investigating Sea surface temperature diurnal variation over the tropical warm pool using MTSAT-1R</i>	<i>Haifeng Zhang/ Helen Beggs</i>



**GHR SST**

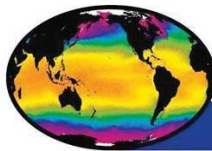
Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

**Monday, 20th July 2015**

**Erasmus Highbay**

16:00-18:00	<b>Poster Session</b>	
32	<i>In situ SST Quality Monitor version2 (iQuam2) iQUAM Demo</i>	<i>Xinjia Zhou</i>
33	<i>Evaluating SST capability to capture coastal thermal features and diurnal warming on the Great Barrier Reef</i>	<i>Xiaofang Zhu</i>
18:00-19:30	<b>Welcome reception (Erasmus Highbay)</b>	



### 3.3. Tuesday 21<sup>st</sup> July 2015

**Tuesday, 21<sup>st</sup> July 2015**

**Erasmus Auditorium**

**09:00-  
09:30**

**Registrations**

[Plenary Session V: Special session on Passive Microwave SSTs](#)

[Chair: Craig Donlon Rapporteur: Tim Nightingale](#)

09:30-  
10:00

*Recent Cal/Val Updates of the  
GCOM-W/AMSR2*

*Misako Kachi*

10:00-  
10:30

*Optimal Estimation of Sea Surface  
Temperature FROM AMSR2*

*Kevin Pearson*

10:30-  
11:00

*In situ validation of sea surface  
temperatures from the GCOM-W1  
AMSR2 RSS calibrated brightness  
temperatures*

*Chelle Gentemann*

**11:00-  
11:30**

**Tea/Coffee Break**

11:30-  
12:00

*Comparison of AMSR2 Sea  
Surface Temperature retrievals  
with in-situ data*

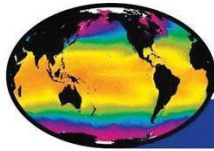
*Kevin Pearson/Chelle  
Gentemann/Misako Kachi*

12:00-  
13:00

*Open discussion led by session chair*

**13:00-  
14:00**

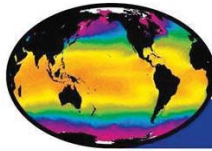
**Lunch at ESTEC self-service restaurant**

**Tuesday, 21<sup>st</sup> July 2015****Erasmus Auditorium****Plenary Session VI: New horizons****Chair: Alexander Ignatov Rapporteur: Prasanjit Dash**

14:00-14:20	<i>Sea surface temperature retrievals from INSAT-3D: Initial results</i>	<i>Rishi Kumar Gangwar</i>
14:20-14:40	<i>SST retrieval from HIMAWARI-8</i>	<i>Yukio Kurihara</i>
14:40-15:00	<i>SST estimation in upwelling area: issues and strategies</i>	<i>Gutemberg França</i>
15:00-15:30	<i>Open discussion led by session chair</i>	
<b>15:30-16:00</b>	<b>Tea/Coffee Break</b>	

**Plenary Session VII: Diurnal Variability****Chair : Carol Anne Clayson Rapporteur: Sandra Castro**

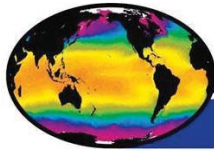
16:00-16:20	<i>SST diurnal cycle and heat budget estimates in the Mediterranean Sea</i>	<i>Salvatore Marullo</i>
16:20-16:40	<i>An analysis system for diurnal Sea Surface Temperature</i>	<i>James While</i>
16:40-17:00	<i>A facility for near-real time estimation and evaluation of diurnal warming</i>	<i>Gary Wick</i>
17:00-17:30	<i>Open discussion led by session chair</i>	

**3.4. Wednesday 22<sup>nd</sup> July 2015****Wednesday, 22<sup>nd</sup> July 2015****Newton 1 & 2****08:00-  
08:30** Registrations**Plenary Session III: Uncertainties in L2P products****Chair: Helen Beggs Rapporteur: Werenfrid Wimmer**

08:30- 08:50	<i>Roles of L2 SSES in a L4 production case</i>	<i>Mike Chin</i>
08:50- 09:10	<i>Redesigned SSES for ACSPO SST</i>	<i>Boris Petrenko</i>
09:10- 09:30	<i>Modelled SST Uncertainties vs. Empirical SSES</i>	<i>Claire Bulgin</i>
09:30- 10:00	<i>Open discussion led by session chair</i>	

**10:00-  
11:30** Tea/Coffee Break**Plenary Session IV: Applications****Chair: Peter Cornillon Rapporteur: Christo Whittle**

10:30- 10:50	<i>Exploiting GHR SST data: Investigating the impact of temperature on the calculation of the oceanic sink of CO<sub>2</sub></i>	<i>Jaime Shutler</i>
10:50- 11:10	<i>Solar warming of south central Pacific</i>	<i>Tim Liu</i>
11:10- 11:30	<i>Northeast Pacific SST anomaly</i>	<i>Chelle Gentemann</i>



**GHR SST**

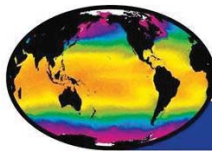
Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

**Wednesday, 22<sup>nd</sup> July 2015**

**Newton 1 & 2**

11:30- 12:00	<i>Open discussion led by session chair</i>
12:00- 13:00	<b>Lunch at ESTEC self-service restaurant</b>
13:00- 18:00	<b>Afternoon Team Building</b>
<b>See section 5 for further details</b>	
19:00- 22:00	<b>GHR SST Dinner</b>
<b>See section 5 for further details</b>	



## 3.5. Thursday 23<sup>rd</sup> July 2015

### Thursday, 23<sup>rd</sup> July 2015

08:00-08:30	Registrations
-------------	---------------

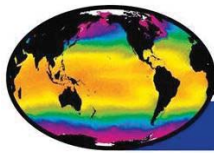
### [GHR SST Parallel Breakouts for TAGs/WGs](#)

08:30-10:30	DVWG (Newton)	CDRTAG (Einstein)
•	•	•

10:30-11:00	Tea/Coffee Break
-------------	------------------

11:30-13:30	STVAL (Newton)	AUSTAG (Einstein)
	<ol style="list-style-type: none"> <li>1) Overview of ST-VAL activities since GHR SST-XV (10 mins)</li> <li>2) Action arising from 2014 ST-VAL Meeting: Where to host the ship-borne radiometer L2i data? (5 mins)</li> <li>3) Discuss issues relating to satellite SST validation (20 mins)</li> <li>4) Discuss SSES and Quality Level methodologies (60 mins)</li> </ol> <p>Some outcomes from the G15 STVAL session were:</p> <ul style="list-style-type: none"> <li>• SSES and QL need to be de-coupled</li> <li>• QL should be more continuous rather than a step function</li> </ul> <p>Open Questions:</p> <ol style="list-style-type: none"> <li>i. How should Quality Level be defined?</li> <li>ii. How to create consistency in QL across different sensors?</li> <li>iii. How to create continuous uncertainties across QL?</li> <li>iv. How to incorporate "Modelled Uncertainties" per pixel?</li> <li>v. Do we still need SSES if we have Modelled Uncertainties?</li> <li>vi. Other questions ...</li> <li>vii. Next steps.</li> </ol> <ol style="list-style-type: none"> <li>5) Terms of Reference of ST-VAL Technical Advisory Group (10 mins).</li> </ol>	<ol style="list-style-type: none"> <li>1) Terms of reference (overall direction of AUS TAG): Jorge Vazquez facilitating discussion</li> <li>2) Presentation of new web site and discussion: Gary Corlett and all participating in discussion</li> <li>3) Discussion on               <ol style="list-style-type: none"> <li>a) user survey discussion;</li> <li>b) quick start guide</li> </ol> </li> <li>4) Discussion on identifying any gaps (knowledge gap, e.g., not knowing what is desired (user comes in with no knowledge of SST. How well do we know what products users want? Current search capabilities don't really account for such a user; communication gap, e.g., not providing clear instructions on which products to choose, delivery gap, e.g., data interruptions): Prasanjit Dash</li> <li>5) User support (roles of GDAC and LTSRF): Jorge Vazquez/Ken Casey</li> <li>6) Review of trends of user statistics: Jorge Vazquez</li> <li>7) Future of AUS-TAG membership. Jorge and Prash</li> </ol>

13:30-14:30	Lunch at ESTEC self-service
-------------	-----------------------------



**GHRSSST**

Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

**Thursday, 23<sup>rd</sup> July 2015**

14:30- 16:30	<i>EaRWiG (Newton)</i>	<i>DASTAG (Einstein)</i>
•		•

16:30- 17:00	<b>Tea/Coffee Break</b>	
-----------------	-------------------------	--

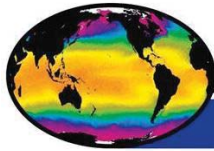
17:00- 19:00	<i>ICTAG (Newton)</i>	<i>R2HA2 (Einstein)</i>
•		•

**Escape Dance**

19:00- 21:00	<b>Advisory Council</b>
<p><u>Meeting of the GHRSSST Advisory Council</u></p> <p>For further information please contact: Craig Donlon (ESA)</p>	

Evening networking opportunity from 21:00: See Section 5 for details.





## 3.6. Friday 24<sup>th</sup> July 2015

### Friday, 24<sup>th</sup> July 2015

08:00-  
08:30 Registrations

#### Newton 1 & 2

#### Plenary Session VIII: L4 analysis

Chair: Alexey Kaplan Rapporteur: Mike Chin

08:30- 08:50	<i>The new high-resolution, optimally interpolated SST dataset (1982-2012) for the Mediterranean Sea</i>	<i>Andrea Pisano</i>
08:50- 09:10	<i>Assimilating retrievals of sea surface temperature from VIIRS and AMSR2 in the experimental high resolution CMC SST analysis</i>	<i>Dorina Surcel Colon</i>
09:10- 09:30	<i>Open discussion led by session chair</i>	

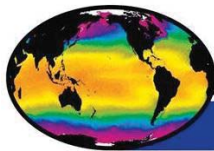
#### Closing Session

Chair: Peter Minnett Rapporteur: Gary Corlett

09:30- 10:00	<i>Future activities of GHR SST</i>	<i>Gary Corlett</i>
-----------------	-------------------------------------	---------------------

10:00-  
10:30 Tea/Coffee Break

10:30- 10:45	<i>Report from Advisory Council</i>	<i>Craig Donlon</i>
-----------------	-------------------------------------	---------------------



# GHRSSST

Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

**Friday, 24<sup>th</sup> July 2015**

10:40-11:30	Summary of breakout groups	
1	<i>AUS-TAG</i>	<i>Jorge Vazquez</i>
2	<i>CDR-TAG</i>	<i>Jon Mittaz</i>
3	<i>DAS-TAG</i>	<i>Jean-François Piollé</i>
4	<i>DVWG</i>	<i>Carol-Anne Clayson</i>
5	<i>EaRWiG</i>	<i>Andy Harris</i>
6	<i>IC-TAG</i>	<i>Alexey Kaplan</i>
7	<i>ST-VAL</i>	<i>Helen Beggs</i>
8	<i>R2HA2</i>	<i>Peter Cornillon</i>

11:30-12:15	<i>Review of action items</i>
-------------	-------------------------------

12:15-12:45	<i>Identification of priorities for following 12 months</i>
-------------	---

12:45-13:00	<i>Wrap-up/closing remarks</i>
-------------	--------------------------------

**Close of GHRSSST XVI**

13:00-14:00	<b>Lunch at ESTEC self-service</b>
-------------	------------------------------------

**Room Ba031**

14:00-17:00	<b>CEOS SST-VC</b>
<p><u>Meeting of the CEOS SST Virtual Constellation</u></p> <p>For further information please contact: Kenneth Casey (NOAA) or Craig Donlon (ESA)</p>	

## 4. Meeting details

The ESA meeting [website](#) is to be used for registration and provides further details on the meeting venue, travel, visa, accommodation and local information.

### 4.1. Meeting venue

The meeting will be held at the Space Research and Technology Centre of the European Space Agency (ESA/ESTEC), located 35km south-west of Amsterdam International Airport.

For Entrance Procedure, Visitor Safety & Security Information, ESTEC Facilities and Site Map, please refer to the *Welcome to ESTEC pack*.

### 4.2. Lunches and coffee breaks

Lunches will be available in the ESTEC Restaurant (self-service) at the participants expense.

Coffee will be served during the coffee breaks in the Erasmus Highbay on Monday and Tuesday and in the Newton Foyer on Wednesday, Thursday and Friday.

## 5. Events

Participants and guests to the Team Building/GHRSSST Dinner events on Wednesday 22<sup>nd</sup> July need to book and pay on-line [here](#) by **Monday 13 July**. After that date, and upon availability, cash payments may be made at the GHRSSST meeting registration desk. The costs for the entire event, including dinner and drinks, is €75/person. Separate receipts for dinner can be provided upon request.

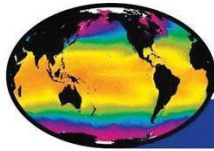
Although both events are optional, all attendees are strongly encouraged to come along as this is an excellent opportunity to meet with the GHRSSST Science Team and discuss all things SST.

### 5.1. Monday 20<sup>th</sup> July – Welcome reception

The reception will be held after the poster session at the Erasmus Highbay from 18:00 to 19:30.

### 5.2. Wednesday 22<sup>nd</sup> July - Team building afternoon

Leaving immediately after lunch, the team building Wednesday afternoon will start with a tour of The Keringhuis. This is the Public Water Management Information Centre about flood risk management in the Province of Zuid-Holland and the impressive Maeslant Storm Surge Barrier. The Maeslant storm surge barrier is the last part of the Dutch Delta Works and is the world largest moveable barrier. This impressive construction cannot be described in words, only experienced first-hand.



**GHR SST**

Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

---

The tour will then continue to the centre of Rotterdam, and include a boat tour in the harbour of this impressive city.

### **5.3. Wednesday 22<sup>nd</sup> July - GHR SST evening dinner**

The afternoon event will be closed off by the GHR SST dinner in the evening at the famous New York Hotel in Rotterdam.

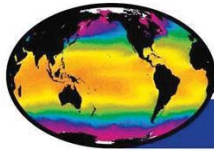
### **5.4. Networking Opportunities**

Sunday 19<sup>th</sup> July: at Quartier Latin in Leiden, <http://www.quartier-latin.nl/>, from 20:00. Tapas, water, wine and beer.

Address: Hartesteeg 13, 2312 JW Leiden, Tel: 071-7370365.

Thursday 23<sup>rd</sup> July: traditional Dutch night out from 21:00 at Lemmy's bar which has the largest selection of beer in old Leiden and Live music, <http://www.biercafe.nl> .

Address: Lemmy's biercafé, Morsstraat 24, 2312 BM Leiden, Tel. 071 5126402.



## 6. Travel information to The Netherlands and ESTEC

Extensive information is available at the [ESA GHR SST-XVI website](#).

For VISA requirements, please consult the [website](#) of the Dutch Government regarding VISA requirements. Those who need a visa invitation letter may request this to the [ESA Conference Bureau](#).

## 7. Hotel information

Hotel bookings are dealt with by the ESTEC Travel Office. To make a reservation, please send an email to: [estec.traveloffice@atpi.com](mailto:estec.traveloffice@atpi.com).

A map of Noordwijk is included in the *Welcome to ESTEC pack* distributed by email.

## 8. Local travel information

### 8.1. Local bus transfers from/to Noordwijk:

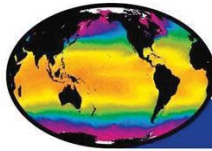
Bus transfers dedicated to the GHR SST meeting will arrive/depart at the entrance of the main buildings.

Date	Time	Departure	Destination
20 July	07:30	Various hotels Noordwijk	ESTEC Gate
20 July	19:30	ESTEC Erasmus	Various hotels Noordwijk
21 July	08:40	Various hotels Noordwijk	ESTEC Erasmus
21 July	17:40	ESTEC Erasmus	Various hotels Noordwijk
22 July	07:40	Various hotels Noordwijk	ESTEC Reception
22 July	13:00	ESTEC Reception	Team Building
23 July	07:40	Various hotels Noordwijk	ESTEC Reception
23 July	19:10	ESTEC Reception	Various hotels Noordwijk
24 July	07:40	Various hotels Noordwijk	ESTEC Reception

#### Additional Information:

With intervals of approximately 5 minutes between hotels, the bus will pick up guests starting from the indicated time. However please be sure to be ready, as the buses will only wait a short period per hotel.

Bus transfers will be provided by Brouwers Tours.



### Hotel Pick up locations

Hotels van Oranje	Kon. Wilhelminaboulevard 20-31
Golden Tulip Noordwijk Beach	Kon. Wilhelminaboulevard 8
Prominent Inn	Kon. Wilhelminaboulevard 4
Grand Hotel Huis ter Duin	in front of the Alexander hotel, Oude Zeeweg 63
Astoria	in front of the Alexander hotel, Oude Zeeweg 63
Radisson Blue Palace Hotel	in front of the Alexander hotel, Oude Zeeweg 63
Hotel Royal	pick up opposite the Old Post Office, Boekerslootlaan

If your hotel is not listed, please ask at your hotel reception for the nearest stop on the list above.

### **8.2. Public transport to/from Leiden**

The nearest bus stops are:

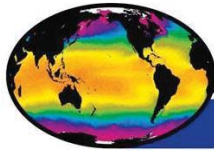
- Katwijk, ESTEC (located just outside the gate) line 30 and 31 to Leiden Centraal (stops at Leiden Transferium)
- Schorpioen (bus stop located approx. 300 metres from the ESTEC entrance gate) lines 90 and 385 to Leiden Transferium, The Hague, Noordwijk and Haarlem.

See the following sites for more information:

- [www.arriva.nl/secundair-menu/english/](http://www.arriva.nl/secundair-menu/english/)
- <http://9292.nl/en#>

### **8.3. Bicycle hire (please contact suppliers directly for more details about routes):**

- *In Noordwijk:*
  - Profile Mooijekind:  
[http://www.profiledefietspecialist.nl/media/wysiwyg/profile\\_mooijenkind/mooijekind\\_folder\\_verhuur.pdf](http://www.profiledefietspecialist.nl/media/wysiwyg/profile_mooijenkind/mooijekind_folder_verhuur.pdf) ([http://www.profiledefietspecialist.nl/winkels/profile\\_mooijekind/fietsverhuur/](http://www.profiledefietspecialist.nl/winkels/profile_mooijekind/fietsverhuur/))
  - Bicycle Rental Noordwijk: <https://www.fietsverhuur-noordwijk.nl/en/>
- *In Leiden:*
  - Bizon Bike: <http://www.fietsverhuur-leiden.nl/en.html>
  - Park & Bike: <https://www.fietsverhuur-noordwijk.nl/en/>



**GHRSSST**

Group for High Resolution  
Sea Surface Temperature

16<sup>th</sup> Science Team Meeting,  
ESA/ESTEC, The Netherlands

---

#### 8.4. Taxi / Getting to the airport

In order to reserve a taxi, please consult the ESTEC Reception or send your request by email to: [Estec.Reception@esa.int](mailto:Estec.Reception@esa.int) .

#### 8.5. Tourist information

General information is available on the [ESA GHRSSST-XVI website](#).

### 9. Contacts

#### ESA Conference Bureau

P.O Box 299,  
2200 AG Noordwijk,  
The Netherlands  
Phone: +31 71 565 5005, Fax: +31 71 565 5658  
Email: [esa.conference.bureau@esa.int](mailto:esa.conference.bureau@esa.int)

Craig Donlon  
[craig.donlon@esa.int](mailto:craig.donlon@esa.int)

#### GHRSSST

Silvia Bragaglia-Pike  
[s.bragagliapike@reading.ac.uk](mailto:s.bragagliapike@reading.ac.uk)

Gary Corlett  
[gkc1@leicester.ac.uk](mailto:gkc1@leicester.ac.uk)

#### Other useful links

GHRSSST: <http://www.ghrsst.org>  
GHRSSST XVI: <https://www.ghrsst.org/ghrsst/Meetings-and-workshops/ghrsst-xvi-esa-estec-the-netherlands/>  
GHRSSST GDAC: <http://ghrsst.jpl.nasa.gov/>  
GHRSSST LTSRF: <http://www.nodc.noaa.gov/SatelliteData/ghrsst/>

### 10. Summary of future deadlines

- Meeting dates: 20<sup>th</sup>-24<sup>th</sup> July 2015
- Plenary and breakout session reports: 24<sup>th</sup> July 2015
- Extended abstract for Proceedings: 15<sup>th</sup> August 2015