



Met Office
Hadley Centre

Welcome to the SST User Workshop on Uncertainties

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Sea surface temperature user workshop on uncertainties

- The aims of the meeting are to:
 - Exchange information about uncertainties in SST observations;
 - Create new expert SST users who, through publication of their work, can inspire others to take uncertainty information into account;
 - Source requirements from SST users on uncertainty information and other aspects of the Climate Data Records;
 - Spread best practice through a follow-on meeting report or journal article.

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- The SST CCI project is creating new Climate Data Records (CDRs) of SST from satellite retrievals.
 - These CDRs contain information on uncertainty in SST retrievals, split into components.
 - Other CDRs of SST provide uncertainty information in other ways, e.g. as a single number per SST value or via the use of an ensemble.
- This workshop will be a two-way discussion between SST data providers and users



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- We aim to create a common understanding of:
 - where this uncertainty comes from;
 - how to talk about it;
 - how well the uncertainty information that is provided addresses users' needs;
 - and how to practically use such uncertainty information.
- We will achieve this through a mixture of oral and poster presentations, activities and group discussions.
- We have handouts for you, containing useful information to guide you through the meeting



Agenda - Tuesday

- Welcome addresses
- SST CCI products and how they relate to other SST products
- Activity: Where do the uncertainties come from? (see handouts for your activity groupings)
- Establishing a common vocabulary
- How uncertainties are currently presented
- Activity: Exploring uncertainties (see handouts for your practical activity groupings), either side of lunch
- Plenary discussion: Feedback from activity
- Example use cases of SST uncertainty information
- Uncertainty validation
- Ice breaker reception in Street at the Met Office

Agenda - Wednesday

- Recap on what we discussed yesterday
- How do other people present uncertainty information?
- Propagation of uncertainty information through levels of products
- Poster session #1 and #2 and general discussion (See handouts for your poster session allocation.)
- Small group discussions to explore specific questions, e.g.:
 - Aims: What users would like to be able to do, ignoring technical challenges
 - Proposals: How do you want to receive uncertainty information?
 - Future proofing: What are likely future improvements in users' technical infrastructure and methods?
 - What would convince you that uncertainties provided were realistic?
- Self-funded workshop dinner at the Ganges Indian restaurant on Fore Street in the city centre

Agenda - Thursday

- Recap and Plenary discussion: feedback from group discussions.
- Different small group discussions to then critically assess:
 - Any problems with the ideas generated
 - Technical challenges to using uncertainties
 - How we could solve these problems
- Plenary discussion: specific plans and feedback of morning's recommendations
- Close @ 1300



Enjoy the workshop

- People with coloured badges are your facilitators – please ask us if you need help
- There is a lot of time for discussion over the next two and a half days – please make sure we hear what you want to say
- Your welcome pack includes handouts for many of the presentations – please make lots of notes and ask questions