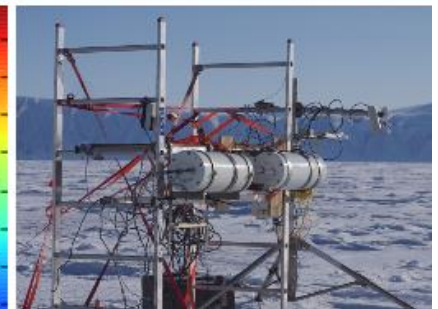
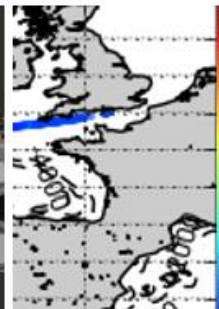




fiducial reference temperature measurements

16 – 18 October 2017
FRM4STS International
Workshop at NPL, UK

www.frm4sts.org



International Workshop on fiducial reference measurements for satellite-derived surface temperature

The objective of this ESA sponsored workshop is to bring together the world's expertise in Earth surface (Land, Water, Ice) temperature measurements under the auspices of Committee on Earth Observation Satellites (CEOS) to review the current state of the art in measurement accuracy for satellite validation. The workshop will consider the needs of current and future satellite missions and their applications together with the outputs and results from the recent CEOS comparison of fiducial reference measurements/instruments and will look to conclude with the development of an internationally coordinated strategy to ensure that the global reference measurement infrastructure is adequate to meet the future needs and aspirations of all users.

The workshop takes place at NPL, Teddington in the United Kingdom and is free to attend. It will consist of both oral and poster presentations and facilitated discussion structured into six half day sessions:

- **Session 1:** Science requirements for LST, IST and SST applications: Climate, Meteorology and Oceanography
- **Session 2:** The space based element: current and future sensors capabilities and challenges
- **Session 3:** Metrological framework: Traceability and uncertainty, sampling and scaling, representativeness
- **Session 4:** Post-launch validation: performance, traceability and uncertainty of field/aircraft deployed radiometers
- **Session 5:** Post-launch validation: non-returnable measurement systems
- **Session 6:** Establishing a sustainable framework of measurements to ensure fit for purpose data to meet the needs of society.

The Workshop is free to attend, but registration is essential. To register, please [follow this link](#)

If you would like to submit a short abstract (~300 words) for consideration by the [international scientific committee](#) please contact: events@npl.co.uk **by 15 June 2017**