

Validation and Evaluation of LST

Session Discussion Topics

- In situ networks with proxy data e.g. air temperature
- In situ networks with radiometer data e.g. radiometers
- Radiometers in use (COTS vs Custom)
- Procedures for calibration and validating radiometers, required accuracy and precision (protocols)
- Cross calibration of field radiometers - upcoming experiments
- Methods used for spatial and temporal sampling and implications for future measurements and models
- Satellite LST products – what/where
- Model LST products – what/where
- Cloud clearing/masking issues
- Validation approaches for Model data
- What is missing:
 - Spectral libraries?
 - Accurate radiometers?
 - Field radiometric measurements – which cover types?
 - Accurate airborne radiometers – how accurate?
 - Angular measurements?