EARWiG Session

Woods Hole, June 18, 2013

GHRSST PO requests

- Approach to consensus in retrieval algorithms/cloud masking *etc*.
- Approaches for interacting GSICS and using real-time corrections

Presentations

- **Bouali** – *Mitigation of striping in ACSPO clear-sky radiances and SST products*
- **Ignatov** – *Pattern recognition enhancements to NOAA ACSPO clear-sky mask*
- **Koner** – *Skin SST physical retrieval from GOES using modified total least square method*
- **Harris** – *Physical retrieval for MODIS*
- **Le Borgne** – *Using numerical weather prediction model profiles to improve SST calculations: application to Metop/AV*
- **Saha** – *Quantifying the effect of ambient cloud on clear-sky ocean brightness temperatures and SSTs*
- **Beggs** – *A consistent day/night SST regression algorithm based on 3-channel AVHRR*
- **Merchant** – *Improved optimal estimation retrieval using spatially smoothed input*

EARWiG Priorities (Tokyo)

- Algorithm comparison
  - Mostly observe differences in Val/QC procedures
  - Need to standardize – determine what metrics to include
- Cloud detection
  - Needs a revisit
- Calibration
  - Critical for provision of CDRs/ECVs
  - Feedback to providers, apply “top-down” pressure to CEOS CalVal
  - Make use of SST-VC
- Radiative Transfer
  - Increasingly used in retrievals (NOAA, M-F, ESA_cci)
  - Biases, bias correction, fast-forward model improvement, *etc*.

Discussion