

# **Modis Land Discipline Group Plenary Report Back**

- **Land ATBD's completed--will undergo internal review and revision by MODLAND--prior to external distribution (3 months).**
- **CALIBRATION ISSUES**
  - **Calibration of 3.95 at high temperatures- at least complete calibration characterization at focal plane level before launch.**
  - **Include vis-near IR range in the system level out-of-band response of thermal IR bands and to assure meeting the radiometric accuracy requirement.**
  - **MCST to address issues associated with vicarious calibration using off-nadir sensors. Current plans appear to be based on experience with high resolution near nadir sensors.**

- **GEOLOCATION**

- MODIS will be better than the AVHRR
- MCST /SDST to continue to develop MODIS requirements document for review by Townshend (UMd) and input to SWAMP meeting (Oct 15)
- MODLAND requires .1 of a 1km pixel (2 sigma) - need to push platform and instrument to provide best possible performance (within budget !).
- SDST/MCST to continue to develop options and associated budget for ground processing to meet registration requirement. Options should be discussed at the SWAMP meeting to evaluate potential resource sharing with MISR. Discussions should be initiated with EDC.
- Angular displacement monitors on instruments to be evaluated to address high frequency jitter.

- **ALGORITHM DEVELOPMENT**

- Continued collaboration with NSF LTER's with respect to sunphotometry and land cover parameterisation.
- MAS flight planned for February (Salomonson/Hall)

- MAS flight for California- SCAR (Sept 94). Provides opportunity for MODLAND / LTER overflights but currently only 10 hours are allocated. (Justice to contact Wickland HQ)**
- Growing demand to see MAS on a C130 platform.**
- BOREAS- Running, Hall and Strahler will attend next Boreas meeting to coordinate MODLAND contribution.**
- Cloud Masking- Modland would like collaboration on cloud masking development especially with respect to simulation data sets. Dialogue needed with MCST re. utility algorithm efforts.**
- EDC DAAC. Modland requirement for raw 1km data needs further discussion concerning costing (Justice )**
- MODARCH - MODIS bibliography could be developed from the ATBD's possibly to include critical on-line reference papers.**
- MODLAND FOCUS MEETINGS -**
  - » Tucson, March 28-29 94 - Land Cover**