

Welcome to the MODIS Land
Collection 5 /
Long Term Data Record
Workshop

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Moderate Resolution LAND Data

- **NASA developing Earth Science Data Records (Science Quality Data) in support of its science program**
 - Science data sets need to be reprocessed as algorithms / instrument calibration improve (different from operational EDR's)
 - MODIS has three Land Product Suites: Radiation Balance, Vegetation, Land Cover – standard products phased in
- **MODIS on its 4th reprocessing (Collection 5)**
 - Changes made based on algorithm refinements (QA, Validation, User Feedback) planning started 2004
 - Major effort on testing products and dependencies
 - Production system MODAPS augmented with a Land test system,
 - Collection 6 now being discussed for 2009 timeframe - will be seeking community input on necessary changes
- **NASA Moving from Missions to Measurements**
 - Creating Land Measurement Teams (slowly)
 - ESDR White Papers generated - initial step in defining some of the land measurement suites (download via the NASA LCLUC Web Site) – community feedback is being sought

- **One type of NASA ESDR are Long Term Data Records** – sometimes called Climate Data Records (CDR's) – needed for studying long term trends and change
 - Moderate Resolution record AVHRR>MODIS>VIIRS (other observations might include VGT, SeaWiFS)
 - A data 'pathfinding' project funded under the NASA REASON CAN program (Masuoka, Vermote et al.) – building on the Pathfinder 2 (AVHRR) and MODIS processing experience
- **This Workshop is an opportunity to present and discuss recent developments in both**
 - An initiative from the emerging Moderate Resolution Land Group (Masuoka et al.)
 - Aimed at informing users of changes and recent project developments and soliciting feedback
- **Future of the current MODIS and VIIRS Land Teams uncertain – good news team leader budget secure**
 - Current Funding starts to expire in March – bridging funds ?
 - Re-compete in process – results by early summer
 - Hopeful that products will be continued (TBD)

C5 Meeting Format

MODIS Collection 5 Session (1.5 days)

- Overview, Production Status, Schedule
- Individual Product Changes (10 mins) by
 - Radiation Budget Product Suite
 - Vegetation Product Suite
 - Land Cover Product Suite
 - each Suite followed by Question and Answer Session (Save Questions)
- Crosscutting Issues (QA, Validation)
- Archive and Distribution Session
 - DAAC summaries
 - Question and Answer Session
- Ordering and Data Tools
- Breakout Groups (User Feedback, Needs and Discussion) by
 - Radiation Budget Product Suite
 - Vegetation Product Suite
 - Land Cover Product Suite
- Wrap Up - Report Back from Breakouts and Conclusions

Land LTDR Workshop AVHRR > MODIS > VIIRS (.5days – Thurs pm)

- Presentations, Related Activities and User Feedback