

Landsat Science Team Meeting

January 8, 2008

U.S. Geological Survey (USGS) Center for Earth Resources
Observation and Science (EROS)

Meeting Objectives

1. Review recent USGS and NASA LDCM implementation steps and Landsat activities.
 - OLI status will be a significant focus
2. Review Landsat archive practices and opportunities with special emphasis on:
 - Establishing a global consolidated Landsat archive
 - Ensuring consistent data formats, access and policies for all Landsat data holdings (Landsat 1-8).
3. Provide recommendations on LDCM, Landsat, and other issues and opportunities.



Agenda

- **Tuesday, January 8**
 - Landsat and LDCM status and issues
 - Significant emphasis on OLI
- **Wednesday, January 9**
 - Landsat data policy and archive topics
 - Landsat and LDCM radiometry and calibration
- **Thursday, January 10**
 - PI topics
 - Breakout discussions and topic recommendations

Summary of Recent Issues

- **Landsat data policy**
 - LST provided input on content and wording
 - USGS has signed revised policy; NASA signature is imminent
- **Landsat-LDCM archive continuity and consolidation**
 - Both topics will be addressed this week
- **Standard product pixel dimensions**
 - Team recommended 15/30m pixel sizes rather than current 14.25/28.5m
 - USGS is implementing recommendation for all Landsat products



Summary of Recent Issues

- **Cloud cover cut-off specifications**
 - LST recommended that Landsat 7 no-cost products use a higher cloud threshold (at least 20%)
 - USGS is moving to 20% and will reevaluate decision based on user response
- **Product requirements – Level 0**
 - In response to a Ground System Requirements Review issue, LST evaluated the necessity for a lower level LDCM standard product (e.g., L0)
 - LST recommended adding a lower level standard product
 - USGS concluded that there is benefit to the additional product and an analysis of cost and schedule impacts is being carried out

