

**NSIDC DAAC:
MODIS archive and ingest
performance, outreach, and
user services**

Greg Scharfen (scharfen@kryos.colorado.edu)

Siri Jodha Singh Khalsa (sjsk@kryos.colorado.edu)

Brad McLean (btmclean@kryos.colorado.edu)

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NSIDC DAAC: MODIS archive and ingest performance, outreach and user services

~ Outline ~

- ECS status
- archive products
- operations performance
- outreach
- user services
- product release
- documentation
- future planning and issues

NSIDC DAAC: ECS Status

- ECS Drop 5A in Ops mode
 - Current ECS patches in TS1 mode
- Transition to Drop 5B in Ops scheduled for early August
 - ICT tests tentatively scheduled for August (EOS Data Gateway (EDG) and MODAPS)
- EDG V3.0.1 is operational
- Staffing (Terra and Aqua):
 - ECS: 7FTE
 - Averstar; 1FTE
 - DAAC: 11FTE

NSIDC DAAC: Operations Performance

- Ingest from PDR server averaging 7-10 Gbytes/day (up to 27 Gbytes/day)
 - five days per week, 8X5
 - actual ingest often extends beyond staffed hours
- total volume ingested since launch 722 Gbytes
- successes: 62.5K granules
- failures: 1.1K granules (related to invalid polygons for gridded snow products, and transfer errors)
 - data are re-inserted after manually editing metadata

NSIDC DAAC: MODIS snow and ice products

Short Name	Long Name
MOD10_L2	MODIS Terra Snow Cover L2 Swath 500m
MOD10A1	MODIS Terra Snow Cover Daily L3 Global 500m ISIN Gridd
MOD10A2	MODIS Terra Snow Cover 8-Day L3 Global 500m ISIN Grid
MOD29	MODIS Terra Sea Ice Extent L2 Swath 1km
MOD29P1D	MODIS Terra Sea Ice Extent Daily L3 Global 1km EASE-Grid Day
MOD29P1N	MODIS Terra Sea Ice Extent Daily L3 Global 1km EASE-Grid Night

NSIDC DAAC: Outreach

- Current efforts:
 - NSIDC MODIS web pages: <http://nsidc.org/modis>
 - *NSIDC Notes* (quarterly newsletter for cryospheric researchers): <http://nsidc.org/NSIDC/NOTES/>
 - Conferences and other newsletters:
 - Remote Sensing and Hydrology 2000
 - Earth System Monitor
 - IGARSS 2000
 - links to Terra site (<http://terra.nasa.gov/>) articles in NASA DAAC publications
 - NASA Earth Observatory (<http://earthobservatory.nasa.gov>)
 - cross-DAAC website (<http://nasadaacs.eos.nasa.gov/>)
 - DAAC yearbook
 - NSIDC DAAC outreach coordinator developing longer-term plan

NSIDC DAAC: User Services

- Staffing: 2.0FTE dedicated, 4.0FTE backup
- Expected product release: late 2000
- current activity:
 - information to users about products and availability
 - assisting SCF-approved users with searches for archived products using hidden client
- building expertise to support user questions regarding the display of HDF-EOS data at NSIDC using available tools (eg. ENVI, IDL, PHDIS)

NSIDC DAAC: Documentation

- User Guide Documents in preparation (format has been approved)
- abbreviated abstract documents completed and available through NSIDC MODIS web site
- ATBDs and SCF-provided Users Guide (for snow cover products) are linked from NSIDC MODIS web pages

NSIDC DAAC: future planning and issues

- Combined Terra/Aqua MODIS Ops Agreement planned for mid-July 2000
- implementation of polar grid for snow products
- sizing for Terra reprocessing, Aqua products, and actual distribution
- data charging policy
- load on user services for support related to EDG, HDF-EOS, etc
- continued responsiveness of Science Team and DAAC to user community feedback