Overview of Lesson

• Introduction

• User Services Topics
  – User Services Role
  – ECS User Account Management and Troubleshooting
  – Processing an Order
  – Tracking/Canceling an Order
  – Subscriptions
  – Data Pool Management
  – Cross-DAAC Referral
  – Cross-DAAC Order Tracking
  – Data Dictionary Maintenance
  – ASTER DAR Tool (LP DAAC only)

• Practical Exercise
Objectives

• Overall: Proficiency in providing support to ECS users
  – Describe the User Services role and identifying their five major responsibilities
  – Perform user account management
  – Process an order
  – Cancel/Track an order
  – Support subscription management
  – Manage the Data Pool
  – Support cross-DAAC referral
  – Support cross-DAAC order tracking
  – Update the Data Dictionary
  – Create a Data Acquisition Request (DAR) (LP DAAC only)
  – Create an On-Demand Production Request (LP DAAC only)
Objectives (Cont.)

Lesson helps prepare several DAAC roles for the User Services functions of assistance in order tracking, creation/management of user accounts, management/use of the Data Pool, resolving user requests/problems, initiating and tracking system problem reports, and coordination with external/internal sources to resolve user problems:

– User Services Representatives
– Science Data Specialists
– System Engineers,
  System Test Engineers,
  Maintenance Engineers
User Services Role

• “Pull Users” encompasses the entire potential user population, including scientists and students ranging from K-12 grades to college graduates.

• User Services is the arm of each DAAC providing extensive support services for each DAAC’s product archive.

• Five major User Services responsibilities:
  – Help create new users
  – Support order tracking
  – Resolve user requests/problems
  – Initiate/track problem reports
  – Coordinate external and internal sources to resolve user issues/problems
User Services Role (Cont.)

DAAC User Services Organization (USO)
- User Transaction activities
- Statistical activities
- Data Set Histories
- Library, Advertising activities
- User Feedback activities
- User notification
- Subscription activities
- Access to archives and metadata
- System Status information
- DAAC-unique extensions

Other DAACS
USWG:
- coordination
- work shops
- joint activities

Cross DAAC Referrals
Reports for:
- DAAC Mgt
- ESDIS Mgt

Optional Access to ECS via USO
Normal Access to ECS
"Super User" of ECS

ECS

Users
Account Management

• Use Account Management software local to the site to retrieve a user account

• Use remote access to Account Management software at the System Monitoring and Coordination Center (SMC) for other account management functions
  – Create a user account
  – Edit/modify an existing account
  – Delete an ECS account
  – Cancel an ECS account
  – Change an ECS user’s password
Retrieving a User Account

• First action when receiving any user request
  – Validates user
  – Provides information that may be needed to respond
  – Separate procedure in 611-EMD-001 *Mission Operation Procedures for the EMD Project*

• Part of other procedures
  – Processing an order
  – Canceling an order
  – Order tracking
DAAC User Account Management: Profile Account, Personal Information

<table>
<thead>
<tr>
<th>Title</th>
<th>First Name</th>
<th>MI</th>
<th>User ID</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>John</td>
<td>Joan</td>
<td></td>
<td></td>
<td><a href="mailto:jrobbins@AIIA2U.ECS.NASA.GOV">jrobbins@AIIA2U.ECS.NASA.GOV</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:jrobbins@AIIA2U.ECS.NASA.GOV">jrobbins@AIIA2U.ECS.NASA.GOV</a></td>
</tr>
</tbody>
</table>

**Personal Information**

**Billing Address**

**Shipping Address**

**Mailing Address**

**Account Information**

**DAR Information**

**Find**

**Retrieve by DAAC**

**Retrieve**
DAAC User Account Management: Profile Account, Account Information

### Profile Account

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>User ID</th>
<th>Email Address</th>
<th>DAAC Creation Date</th>
<th>Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alice</td>
<td>Smith</td>
<td>1234</td>
<td><a href="mailto:alice@daac.gov">alice@daac.gov</a></td>
<td>08/15/00</td>
<td>08/15/02</td>
</tr>
<tr>
<td>Bob</td>
<td>Johnson</td>
<td>5678</td>
<td><a href="mailto:bob@daac.gov">bob@daac.gov</a></td>
<td>02/25/01</td>
<td>02/25/03</td>
</tr>
<tr>
<td>Charlie</td>
<td>Brown</td>
<td>9012</td>
<td><a href="mailto:charlie@daac.gov">charlie@daac.gov</a></td>
<td>06/15/02</td>
<td>06/15/04</td>
</tr>
</tbody>
</table>

### Account Information

- **Creation Date:** 06/15/00
- **Expiration Date:** 06/15/02
- **Privilege Level:** HIGH
- **NASA User:** Privileged

- **VD Gateway:** USA
- **VD Gateway User Type:** DAACOPS
- **VD Gateway Password:**

- **Authorize for ASTER L1B:**
SMC User Account Management: Profile Account, Account Information
Creating a User Account

• User registration begins when a user requests ECS data services
  – Request by mail, telephone, e-mail, fax, or in person
  – Can refer a user to Universal Reference Locator (URL) for the EOS Data Gateway (EDG)
    - Link to Become a Registered User
  – Can enter registration data on behalf of user
  – Call user directly to obtain any missing data

• User information is entered into the system in five categories:
  – Personal Information
  – Mailing Address
  – Shipping Address
  – Billing Address
  – Account Information
EOS Data Gateway Welcome Page

Earth Observing System Data Gateway
Search for and order earth science data products from NASA and affiliated centers

- Enter the Data Gateway
  - Enter as guest
  - Enter through Terra Products Page
  - Other Data Gateway Sites

- My Account
  - Become a registered user
  - Forgot my password

- What's New
  - October 1, 2002
  - New Data Sets
  - Data Gateway News
  - EOS Program News

- How-to
  - User Support
  - FAQ
  - Tutorial
  - Browser check-out

- Related links
  - EOS home page
  - Sample data
  - Related links
  - Outreach and education
  - Information for data providers
  - Calendar updates (Data centers only)

- Data Center Status
  - GSFC:
    - ALERT: GSFC-ECOS ftp pull distribution has accumulated a long queue that causes delays in data shipping. This may cause up to approximately a three day delivery time. Users are advised to use ftp PUSH instead. The ECS Data Pool is temporarily unavailable while system issues are investigated. We apologize for any inconvenience this may cause.
  - LARC:
    - The LaRC ECS system will be down for maintenance on November 07, 2002, Thursday. This means that users will not be able to place or retrieve MISR, MOPITT, and ACRIM III data orders on this day. If you have any questions, please contact the Atmospheric Sciences Data Center via e-mail, larc@osa.nasa.gov.
  - LP DAAC:
    - ATTENTION ASTER USERS:
      - Effective August 12, 2002 the LP DAAC began charging for selected ASTER products. Please see the ASTER Pricing Policy for additional details.
      - If you have any questions, please contact the LP DAAC User Services at Land Processes (LP) DAAC User Services.
    - NOTICE: We have encountered a problem with MODIS dataset MOD17 A2 version 3. This dataset has been removed from view. After the problem has been corrected and the data has been reprocessed it will be placed back for ordering. We apologize for any inconvenience this may have caused.

- GSFC
  - Wed, 06 Nov 2002 11:00:00 UT to Wed, 06 Nov 2002 21:00:00 UT: The Goddard DAAC ECS will be unavailable due to system maintenance on Wednesday, 06 November 2002 from 0600 to 1600 EST. MODIS data can not be ordered during this time.
User Registration Web Page
User Registration: Username/Password Form

User Registration: Username/Password

Have a question, a problem, or a comment? Help for this page

Choose a password and enter it in both password boxes. A username using your last name and the last four digits of your telephone number has been generated. You can choose a different user name by editing the user name box below.

Please select a Password: (required)

Please Confirm your Password: (required)

Please enter an user name: (required) (Use maximum of 14 characters)

Submit Registration

Use of this site constitutes an agreement to US Government security policy and US Government privacy policy. Our accessibility policy is also available.

Comments, Questions, or Problems? Designed by
Created by EOS Data Gateway version 1.36
NASA Task Representative: Susan Pfeifer (Mail Code 4); NASA/GSFC, Greenbelt, MD 20771
Request Account Screen
Account Information
Request Account Screen
Personal Information
Adding Privileges

• ECS user registration through the EOS Data Gateway web page creates basic ECS account

• Users who need authorization for special access request privileges through User Services
  – Data Acquisition Request (DAR) submission
  – On-Demand Requests for special ASTER L1B or Digital Elevation Model (DEM) products
  – Access to restricted granules

• User Services logs in at SMC to use the Account Management tools to modify the account to include the privileges
Profile Account Screen
DAR Information
Edit/Modify an Existing Account

• User Services has responsibility to maintain ECS user accounts
  – Maintain contact with user to confirm continued accuracy of information
  – Verify applicability of address change notice; do not assume change applies to all
    - Billing address
    - Shipping address
    - Mailing address
  – Account information
  – Personal information
Delete an ECS Account

- User Services representative may delete an ECS user account from the database, upon management instruction or user request
  - Uses ECS User Account Management tool
  - Retrieve and verify account
  - Remove account from database
Cancel an ECS Account

- User Services representative may cancel an ECS user account
  - Uses ECS User Account Management tool
  - Retrieve and verify account
  - Temporarily impose probation on user’s privileges (for cause)
  - Establish an expiration date, upon which account will be deleted from database unless cause of probation is removed
## Account Management Messages

<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause/Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can Not Connect To The Server. Try again later.</td>
<td>Unable to retrieve a user request or user profile.</td>
<td>Notify the System Administrator that the User Profile Server needs to be started.</td>
</tr>
<tr>
<td>No data found in the database.</td>
<td>No user requests or registered users are entered in the database for the selected home DAAC.</td>
<td>None.</td>
</tr>
<tr>
<td>The V0GW password and Gate Way User Type can not be Empty.</td>
<td>Cannot complete action to create a user profile.</td>
<td>Ensure that all required fields have data entered.</td>
</tr>
<tr>
<td>Create Register User Failed Please check log file for error.</td>
<td>Cannot complete action to create a user profile.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
</tbody>
</table>
## Account Mgmt. Messages (Cont.)

<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause/Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete request user failed.</td>
<td>Unable to delete a user request.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>Update Failed for Register User Please try again.</td>
<td>Unable to update a user request.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>The First Name, Last Name, Telephone number and Email Address can not be Empty.</td>
<td>Cannot complete action to create a user profile.</td>
<td>Ensure that all required fields have data entered.</td>
</tr>
<tr>
<td>Insert has failed for Regist User, Please try again.</td>
<td>Cannot complete action to create a user profile.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>Delete failed for Register User Please try again.</td>
<td>Unable to delete a user request.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>Update failed for profile database Please try again.</td>
<td>Unable to update a user profile.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>V0 GateWay password is empty. The password is not updated.</td>
<td>Unable to update V0 Gateway password.</td>
<td>Add entry in the appropriate field.</td>
</tr>
<tr>
<td>V0 GateWay password Failed. Please try again.</td>
<td>Unable to change V0 Gateway password.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>Delete failed for profile database Please try again.</td>
<td>Unable to delete user profile.</td>
<td>Check User Profile Server log files for possible Sybase errors; notify Database Administrator of problem.</td>
</tr>
<tr>
<td>No e-mail address.</td>
<td>Unable to change Aster category or delete a DAR privilege.</td>
<td>Add e-mail address in the configuration file.</td>
</tr>
</tbody>
</table>
Account Management Log Files

- Check log files; review with UNIX editor (e.g., pg, view, vi, more, tail)
  - EcMsAcRegUserSrvrDebug.log
  - EcMsAcRegUserSrvr.ALOG
- If evidence of Sybase error, notify Database Administrator
Processing an Order

• Some users may prefer not to use the Search and Order tool directly
  – Orders by telephone projected to be a daily occurrence
  – User Services representative places order for the user

• User Contact Log/Trouble Ticket tool
  – Create/update user contact log record

• ECS User Account Management tool
  – Retrieve and verify user account

• Search and Order tool
  – Locate data
  – Order data
Create User Contact Log Record

• Any User Services event (user contact) is a cue for the User Services representative to create a record in the User Contact Log
  – Each record is assigned a unique Log ID
  – Contact (user) data (e.g., name, telephone number, e-mail address, home DAAC, organization)

• User Contact Log
  – Accessible from Remedy User Tool
  – Entries may be saved, searched, retrieved, and modified
  – Permits tracking and updating information related to a user contact until the record is closed
User Contact Log Screens
Verify User Account

• ECS User Account Management Tool at SMC
  – Profile Accounts: Account Information or Personal Information
  – Profile Accounts: User Profile
    - Summarizes all user data
    - Display only
View Entire Profile Screen

Note: Available only on the tool accessed remotely at the SMC.
Data Search and Order

• Guidance available on the WWW:
  http://redhook.gsfc.nasa.gov/~imswww/pub/imswelcome/
  – Web Gateway Users’ Manual: technical information
  – Frequently Asked Questions: captures commonly sought information, terminology, search, data, and ordering
  – Tutorial: tool introduction and how to find and order data

• Approaches available for user
  – Web-based Search and Order tool: EOS Data Gateway (EDG) Web Client
    http://redhook.gsfc.nasa.gov/~imswww/pub/imswelcome/
  – Data center-specific searches: specialized tools
  – Let User Services help: EDG Web Client Search and Order Tool
  – EDG Users get immediate results via Integrate Browse Request
Search and Order Tool Welcome Screen (EOS Data Gateway)

- Enter the Data Gateway
  - Enter as guest
  - Enter as a registered user
  - Enter through Terra Products Page
  - Other Data Gateway Sites

- My Account
  - Become a registered user
  - Forgot my password

- What’s New
  - October 1, 2002
    - New Data Sets
    - Data Gateway News
    - EOS Program News

- How-to
  - User Support
  - FAQ
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  - Browser check-out

- Related links
  - EOS home page
  - Sample data
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  - Information for data providers
  - Calendar updates (Data centers only)

- Data Center Status
  - GSFC:
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    - The LaRC ECS system will be down for maintenance on November 07, 2002, Thursday. This means that users will not be able to place or retrieve MISR, MOPITT, and ACRIM III data orders on this day. If you have any questions, please contact the Atmospheric Sciences Data Center via e-mail, larc@eos.nasa.gov.
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- GSFC
  - Wed, 06 Nov 2002 11:00:00 UT to Wed, 06 Nov 2002 21:00:00 UT: The Goddard DAAC ECS will be unavailable due to system maintenance on Wednesday, 06 November 2002 from 06:00 to 16:00 EST. MODIS data can not be ordered during this time.
Primary Data Search Screen
Search In Progress Screen
Results: Granule Listing
Granule Attributes Screen
Choose Ordering Options
Order Confirmation

Shopping Cart:
Order Submitted

Have a question, a problem, or a comment? | Help for this page

Your order has been submitted to the appropriate data centers, and a copy of the shipping receipt has been emailed to the account cmshared@eos.east.hlitc.com.

NOTE: If you are ordering HDF or HDF-EOS formatted data (e.g. ASTER, MODIS, MISR, MOPITT, CERES), you may need HDF and HDF-EOS tools to read, view, and manipulate the data. Please see NASA's Viewing HDF and HDF-EOS files page for more information.

Data Center: ECS-TEST
Order ID Number: 3200268646

Status/Comments:
Order Received. Thank you for your order. An email notification will be sent when order processing has been completed. Order processing typically takes several hours to several days. Large orders may take longer. Tape, CD-R, and DVD-R orders will be shipped on the next business day after processing has been completed. Shipping time is typically 3 to 14 business days depending on your location.

Item: SC/AST_L1A.001.2000550403
Status: Success, Successful query, query results returned
Data Center Frequent ID: 3200268643

Order ID Number: 3200268646

Contact name: Raytheon System Administrator
Organization: Raytheon Systems Company
Address: 1616 McCormick Dr
Lanham, MD 20707 USA
Phone: 301-555-0920
Fax: None
Email: cats3@pilgrim1.ucol.nasa.gov

If your order status shows 'failed', please contact the data center immediately.

Use of this site constitutes as an agreement to US Government security policy and US Government privacy policy. Our accessibility policy is also available.

Community, Questions, or Problems? Email us
Created by EOS Data Gateway version 7.22.6
NASA Task Representative: Bates Porter Effel Code 403, NASA/GSFC, Greenbelt, MD 20771
Update User Contact Log

- Show progress or resolution of the contact
- User Contact Log remains open until the request is completed
- User Contact Log record can be modified several times before the request is completed
- For each modification, the log displays:
  - the operator that made the modification
  - the date and time of the modification
Cancel/Track an Order

- Create a User Contact Log record
- Validate the user
- ECS Order Tracking
- Cancel Order
- Update User Contact Log
Verify User Selection dialog may appear upon clicking the Query Order button.

Verify User Selection dialog may appear upon clicking the Query Order button.
Order Tracking

- Order Tracking tool permits several query options
  - User Name (multiple hits bring Verify User Selection)
  - Order ID (unique ID assigned when order is placed)
  - Request ID (for large orders, Data Server may partition the order and assign more than one Request ID)
  - MTMGW (Machine-To-Machine Gateway by External Order ID or User ID)
  - Order Type (All, Standard, On Demand, Standing On Demand, MTMGW)

- Filters to reduce number of orders displayed

- To cancel a highlighted order, click on Update Order button and set status to Canceled
## Order Tracking Messages

<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause/Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>No requests found for the order.</td>
<td>A retrieved order has no specific requests.</td>
<td>None.</td>
</tr>
<tr>
<td>Unable to read from the Request Database. Try again later.</td>
<td>Unable to retrieve a specified request.</td>
<td>Check Order Tracking Server log files for possible network or server errors; notify System/Network Administrator and/or Database Administrator of problem.</td>
</tr>
<tr>
<td>Unable to read from the Order Database. Try again later.</td>
<td>Unable to retrieve a specified order.</td>
<td>Check Order Tracking Server log files for possible network or server errors; notify System/Network Administrator and/or Database Administrator of problem.</td>
</tr>
<tr>
<td>No orders were found.</td>
<td>A specified order number is not found in the database.</td>
<td>None.</td>
</tr>
<tr>
<td>Please select a request first.</td>
<td>Clicking on Update Request button or Delete Request button does not update or delete request.</td>
<td>Click on a request to select it before clicking on Update Request button or Delete Request button.</td>
</tr>
<tr>
<td>No orders match the request ID.</td>
<td>A specified request number is not found in the database.</td>
<td>None.</td>
</tr>
<tr>
<td>The order is no longer in the database.</td>
<td>A specified order number cannot retrieve an order.</td>
<td>None.</td>
</tr>
</tbody>
</table>
## Order Tracking Messages (Cont.)

<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause/Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Please select an order first.</td>
<td>Clicking on Update Order button or Delete Order button does not update or delete order.</td>
<td>Click on an order to select it before clicking on Update Request button or Delete Request button.</td>
</tr>
<tr>
<td>Please delete the corresponding requests first!</td>
<td>Unable to delete a specified order.</td>
<td>The order to be deleted has some requests associated with it. Delete the requests first, and then delete the order.</td>
</tr>
<tr>
<td>Unable to delete order in the Order Database. Try again later.</td>
<td>A specified order cannot be deleted.</td>
<td>Check Order Tracking Server log files for possible network or server errors; notify System/Network Administrator and/or Database Administrator of problem.</td>
</tr>
<tr>
<td>Unable to delete request in the Order Database. Try again later.</td>
<td>A specified request cannot be deleted.</td>
<td>Check Order Tracking Server log files for possible network or server errors; notify System/Network Administrator and/or Database Administrator of problem.</td>
</tr>
<tr>
<td>Server error, can not update order.</td>
<td>A specified order cannot be updated.</td>
<td>Check Order Tracking Server log files for possible network or server errors; notify System/Network Administrator and/or Database Administrator of problem.</td>
</tr>
</tbody>
</table>
Order Tracking Log Files

- Check log files; review with UNIX editor (e.g., `pg`, `view`, `vi`, `more`, `tail`)
  - `EcMsAcOrderSrvrDebug.log`
  - `EcMsAcOrdrSrvr.ALOG`
- If evidence of network error, notify System Administrator
- If evidence of Sybase error, notify Database Administrator
Using the Spatial Subscription Server GUI

- The Spatial Subscription Server (NBSRV) GUI is used to view, update, or delete (cancel) subscriptions in the NBSRV database.
- The Spatial Subscription Server GUI permits an operator to perform the following kinds of activities:
  - View subscribable events
  - Review existing subscriptions in the NBSRV database
  - Add a subscription specifying Data Pool qualification and retention criteria, thus adding a subscription for Data Pool insert to the database
  - Create a standard subscription for notification and/or distribution of ECS data products
  - Designate a subscription for secure distribution
• The Spatial Subscription Server GUI permits an operator to perform the following kinds of activities (Cont.):
  – Extend the period of retention in a Data Pool insert subscription for new granules from a particular area
  – View the acquire and notification actions currently being processed by the Spatial Subscription Server
  – View statistics on the processing of events and actions by the Spatial Subscription Server
• New operator GUI security standards require the following two levels of permissions for the Spatial Subscription Server GUI:
  – Full Capability
  – Limited Capability

• Full-capability operators have the ability to configure parameters and perform all other actions that can be accomplished with the Spatial Subscription Server GUI

• Limited-capability operators are able to view a lot of information
  – However, on the limited-capability GUI some buttons and links have been disabled so it is not possible to perform certain actions or access certain pages
This lesson provides instruction in the full-capability version of the Spatial Subscription Server GUI. In general, both full-capability operators and limited-capability operators can view the following items:

- Subscribable events
- Subscriptions
- Bundling orders
- Action queue
- Statistics relating to Spatial Subscription Server performance
Using the Spatial Subscription Server GUI (Cont.)

- Full-capability operators only may perform the actions:
  - Add, update, or delete (cancel) a subscription
  - Configure defaults for a bundling order
  - Add, update, or cancel a bundling order

- The Spatial Subscription Server GUI is a web application
Using the Spatial Subscription Server GUI (Cont.)

- The Spatial Subscription Server GUI Home Page provides four links for access to pages supporting various tasks:
  - List Events: access to pages for listing subscribable events
  - Manage Subscriptions: access to pages for managing subscriptions
  - Manage Bundling Orders: access to pages for managing bundling orders
  - Monitor Queues: access to pages for monitoring the action queue and listing statistics

- There is also a Help link providing descriptions of the NBSRV functions to provide the operator with assistance in navigating through the GUI
Spatial Subscription Server GUI
Home Page

Welcome to the Spatial Subscription Server GUI, a web-based interactive utility for:

- Listing subscribable events

- Managing subscriptions (list, view, cancel, update, add, suspend, resume)

- Managing bundling orders

- Monitoring runtime queues and production statistics
Spatial Subscription Server GUI
List Events Page
Spatial Subscription Server GUI
Add Subscriptions Page
Spatial Subscription Server GUI
View Subscriptions Page

Spatial Subscription Server OPS

User: liliwv
Status: Active
Start Date: May 14 2003 12:00PM
Expiration Date: May 14 2004 12:00PM
Short Name: MOD20QC
Version: 001
Event Type: INSERT

--- Acquire Data associated with Subscription ---
User Profile: liliwv
User String: LFlx conservation, eborder firewall test
Priority: SPRESS
Notify Type: MAIL
Email Address: liliwv@ece.east.bitc.com
Media Format: FILEFORMAT
Media Type: FIPcbash
FTP Information
User: usercp
Password: ********
Host: f1rg0390.wat.ece.nasa.gov
Directory: /data/TSI/FISP_DESTINATION/02

[Return to Home Page]
Spatial Subscription Server GUI
Update Subscriptions Page
Spatial Subscription Server GUI
List Themes Request Page

Spatial Subscription Server GUI
OPS

Home Page  List Events  Manage Subscriptions
Manage Bundling Orders  Monitor Queues  Help

Enter first few characters of theme name (or leave blank to view all):

Apply
Spatial Subscription Server GUI
Theme List Page

Spatial Subscription Server GUI
Theme List Page
### Spatial Subscription Server GUI

#### List Subscriptions for Theme Page

![Spatial Subscription Server GUI](image)

**Subscriptions for theme OPS FIRST THEME**

<table>
<thead>
<tr>
<th>ID</th>
<th>User</th>
<th>Status</th>
<th>Expiration Date</th>
<th>ESMT ShortName/Version/EventType</th>
<th>Choose Subscription Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>618</td>
<td>cramps</td>
<td>Active</td>
<td>Apr 9 2004 12:00AM</td>
<td>DFLAPCHM 1 INSERT</td>
<td>View Update Cancel Apply</td>
</tr>
<tr>
<td>618</td>
<td>cramps</td>
<td>Active</td>
<td>Apr 9 2004 12:00AM</td>
<td>DFLAXCHM 1 INSERT</td>
<td>View Update Cancel Apply</td>
</tr>
<tr>
<td>620</td>
<td>cramps</td>
<td>Active</td>
<td>Apr 9 2004 12:00AM</td>
<td>MOC0CL2 1 INSERT</td>
<td>View Update Cancel Apply</td>
</tr>
<tr>
<td>621</td>
<td>cramps</td>
<td>Active</td>
<td>Apr 9 2004 12:00PM</td>
<td>MOC0CL3A 1 INSERT</td>
<td>View Update Cancel Apply</td>
</tr>
<tr>
<td>1104</td>
<td>crthared</td>
<td>Cancelled</td>
<td>Feb 21 2004 2:35PM</td>
<td>MOC02KMI 3 INSERT</td>
<td>View Update Cancel Apply</td>
</tr>
</tbody>
</table>
Spatial Subscription Server GUI
Manage Bundling Orders Page
Spatial Subscription Server GUI
Add Bundling Order Page

Add Bundling Order

- UserID
- Expiration Date
  - 02/20/2015
- Media Type
  - COROM

[Continue] [Clear]
Spatial Subscription Server GUI
Add Bundling Order: Data Pages

Hard Media

FTP Push

FTP Pull
Spatial Subscription Server GUI
Add Bundling Order: Data Pages

SCP
Spatial Subscription Server GUI
Update Bundling Order Page

Spatial Subscription Server  OPS

Update Bundling Order 0400079209

[ Click here to go back to the Bundling Order list. ]

UserID
Expiration Date (MM/DD/YYYY HH:MM) 1/21/2006 12:00
Physical Media Type scp

Update Bundling Order  reset
Spatial Subscription Server GUI
Update Bundling Order: Data Pages

FTP Push

FTP Pull
### SSS GUI: Configure Bundling Order Completion Criteria Defaults

#### Spatial Subscription Server 777 OPS - Netscape

#### Configure Completion Criteria Default Values

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Current Value</th>
<th>Change to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Granule Count</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Maximum Bundle Age(days)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Bundle Expiration Period(days)</td>
<td>365</td>
<td></td>
</tr>
<tr>
<td>BMM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>CDROM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>DLT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>DVD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>PftpPull</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>PftpPush</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>sgp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum Bundle Size(GB)</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

[Image of spatial subscription server configuration interface]
### Spatial Subscription Server GUI

#### List Action Queue Page

**Spatial Subscription Server 777 OPS – Netscape**

**Spatial Subscription Server 777 OPS – Netscape**

**Spatial Subscription Server 777 OPS – Netscape**

<table>
<thead>
<tr>
<th>Action Type</th>
<th>Subscription Id</th>
<th>Collection</th>
<th>Version</th>
<th>Enqueue Time</th>
<th>Dequeue Time</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notify</td>
<td>1010</td>
<td>M11B2E</td>
<td>001</td>
<td>Jan 26 2004 8:05PM</td>
<td>Jan 26 2004 8:03PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>1010</td>
<td>M11B2E</td>
<td>001</td>
<td>Jan 26 2004 8:05PM</td>
<td>Jan 26 2004 8:03PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Notify</td>
<td>1070</td>
<td>AST_1.1B</td>
<td>001</td>
<td>Jan 26 2004 7:02PM</td>
<td>Jan 26 2004 7:25PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>1070</td>
<td>AST_1.1B</td>
<td>001</td>
<td>Jan 26 2004 7:22PM</td>
<td>Jan 26 2004 7:23PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>943</td>
<td>MOD35_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>943</td>
<td>MOD35_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>750</td>
<td>MOD35_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>750</td>
<td>MOD35_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>750</td>
<td>MOD35_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>750</td>
<td>MOD35_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
<tr>
<td>Acquire</td>
<td>912</td>
<td>MOD07_1.2</td>
<td>077</td>
<td>Jan 26 2004 5:58PM</td>
<td>Jan 26 2004 6:18PM</td>
<td>DequeuedAction</td>
</tr>
</tbody>
</table>
Spatial Subscription Server GUI

List Statistics Page

Summary of the Processing Time for Subscriptions Evaluated against Events in the Event Queue

<table>
<thead>
<tr>
<th>ESST Count</th>
<th>ESST ShortName</th>
<th>ESST VersionID</th>
<th>ESST Event Type</th>
<th>MaxMetadataTime (ms)</th>
<th>AverageMetadataTime (ms)</th>
<th>MaxSubEvalTime (ms)</th>
<th>AverageSubEvalTime (ms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>AIR_AASC1</td>
<td>77</td>
<td>INSERT</td>
<td>124733</td>
<td>43723</td>
<td>8913</td>
<td>4118</td>
</tr>
<tr>
<td>2</td>
<td>AIRABBR</td>
<td>77</td>
<td>INSERT</td>
<td>30200</td>
<td>27961</td>
<td>4760</td>
<td>3311</td>
</tr>
<tr>
<td>18</td>
<td>AIRABRAD</td>
<td>77</td>
<td>INSERT</td>
<td>136440</td>
<td>74583</td>
<td>7196</td>
<td>4420</td>
</tr>
<tr>
<td>40</td>
<td>AIRBAQAP</td>
<td>77</td>
<td>INSERT</td>
<td>157463</td>
<td>75066</td>
<td>7750</td>
<td>3945</td>
</tr>
<tr>
<td>2</td>
<td>ASTL1B</td>
<td>1</td>
<td>INSERT</td>
<td>4643</td>
<td>4643</td>
<td>3783</td>
<td>3783</td>
</tr>
<tr>
<td>2</td>
<td>MOD01</td>
<td>7</td>
<td>INSERT</td>
<td>970</td>
<td>970</td>
<td>5903</td>
<td>5903</td>
</tr>
<tr>
<td>45</td>
<td>MODG4_L2</td>
<td>77</td>
<td>INSERT</td>
<td>24403</td>
<td>8373</td>
<td>2960</td>
<td>2347</td>
</tr>
</tbody>
</table>
### Spatial Subscription Server GUI

#### List Failed Action Page

![Spatial Subscription Server GUI](image)

**Spatial Subscription Server GUI - TS2**

**List Failed Action Page**

<table>
<thead>
<tr>
<th>UserID</th>
<th>Priority</th>
<th>ActionId</th>
<th>ActionQueueId</th>
<th>EventId</th>
<th>SubscriptionId</th>
<th>gwru</th>
<th>QueueTime</th>
<th>Remove Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProUser 1</td>
<td>2</td>
<td>15524</td>
<td>15548</td>
<td>35237</td>
<td>687</td>
<td></td>
<td>May 31 2004 4:45PM</td>
<td>[Remove Action]</td>
</tr>
<tr>
<td>ProUser 2</td>
<td>2</td>
<td>15526</td>
<td>15544</td>
<td>35238</td>
<td>688</td>
<td></td>
<td>May 31 2004 4:45PM</td>
<td>[Remove Action]</td>
</tr>
<tr>
<td>ProUser 1</td>
<td>2</td>
<td>16671</td>
<td>16673</td>
<td>35804</td>
<td>686</td>
<td></td>
<td>Jun 6 2005 5:32PM</td>
<td>[Remove Action]</td>
</tr>
<tr>
<td>ProUser 1</td>
<td>2</td>
<td>21407</td>
<td>21411</td>
<td>39192</td>
<td>687</td>
<td></td>
<td>Feb 3 2005 7:31PM</td>
<td>[Remove Action]</td>
</tr>
<tr>
<td>ProUser 1</td>
<td>2</td>
<td>21436</td>
<td>21413</td>
<td>39193</td>
<td>686</td>
<td></td>
<td>Feb 3 2005 7:36PM</td>
<td>[Remove Action]</td>
</tr>
</tbody>
</table>
Netscape Web Browser
Security Login Prompt

Prompt

Enter username and password for "SSS Realm" at p2dps01.pvc.ecs.nasa.gov:22221

User Name:

Password:

☐ Use Password Manager to remember these values.

OK  Cancel
<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause and Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>No subscription choice was selected, click on View, Update, or Delete.</td>
<td>No action taken on the subscription.</td>
<td>The user clicked ‘Apply’ for a subscription without specifying an action (view, update or delete). Return to previous page and select an action.</td>
</tr>
<tr>
<td>User Profile Validation Failure. User &quot;&quot; is unknown.</td>
<td>Subscription not added/updated.</td>
<td>The user attempted to add/update a subscription without specifying a userId. Return to previous page and enter a valid userId.</td>
</tr>
<tr>
<td>Datetime String Validation Failure</td>
<td>Subscription not added/updated.</td>
<td>The user entered an invalid datetime string. Return to previous page and enter a valid datetime string.</td>
</tr>
<tr>
<td>ESDT Pattern Error</td>
<td>Subscription not added.</td>
<td>The user entered an invalid pattern for an ESDT short name. Return to previous page and enter a valid pattern (or leave blank to see all possible ESDTs).</td>
</tr>
<tr>
<td>Subscription NOT added. The following input errors were detected:</td>
<td>Subscription not added/updated.</td>
<td>Invalid data was entered for a subscription and detected by Sybase when an insert into the database was attempted. (For example, alpha data entered for a numeric field). Return to previous page and correct the data entry described in the detailed error message.</td>
</tr>
<tr>
<td>&lt;description of the error&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No actions were entered for the subscription.</td>
<td>Subscription not added/updated.</td>
<td>A subscription must have at least one associated action. Return to previous page and select at least one action by checking the checkbox for that action and entering the required data.</td>
</tr>
</tbody>
</table>
### Spatial Subscription Server GUI

#### User Messages (Cont.)

<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause and Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot mix bundling with other types of actions</td>
<td>Subscription not added/updated.</td>
<td>If a subscription is bundled, it cannot have any other associated actions. Return to previous page and either unbundle the subscription or uncheck any other checked actions.</td>
</tr>
<tr>
<td>All the mandatory acquire data for FtpPush (Pull) was not entered</td>
<td>Subscription not added/updated.</td>
<td>Required information was not entered for an acquire action (e.g., FTP password for a push operation). Return to previous page and enter all requested information.</td>
</tr>
<tr>
<td>All the mandatory E-Mail Notification data was not entered</td>
<td>Subscription not added/updated.</td>
<td>Required information was not entered for an email notification action. Return to previous page and enter all requested information.</td>
</tr>
<tr>
<td>All the mandatory Data Pool data was not entered</td>
<td>Subscription not added/updated.</td>
<td>Required information was not entered for a data pool action. Return to previous page and enter all requested information.</td>
</tr>
<tr>
<td>No option was selected, click on Suspend All, Resume All or Cancel All</td>
<td>No action taken on subscriptions.</td>
<td>No action was specified to apply to the subscriptions associated with a theme. Return to the previous page and select an option.</td>
</tr>
<tr>
<td>&quot;userId&quot; must have a value</td>
<td>Bundling order not added/updated.</td>
<td>UserId was not specified for a bundling order. Return to the previous page and enter a valid userid.</td>
</tr>
<tr>
<td>User Profile Validation Failure: User &lt;&gt; is Unknown.</td>
<td>Bundling order not added/updated.</td>
<td>An invalid userid has been specified for a bundling order. Return to the previous page and enter a valid userid.</td>
</tr>
<tr>
<td>Date format invalid. Please enter MM/DD/YYYY.</td>
<td>Bundling order not added/updated.</td>
<td>An invalid datetime has been entered for the bundling order expiration date. Return to the previous page and enter a valid datetime string.</td>
</tr>
<tr>
<td>&lt;&gt; must have a value</td>
<td>Bundling order not added/updated.</td>
<td>A required field has not been entered for a bundling order. (For example, street address for a physical media distribution.) Return to the previous page and enter the required information.</td>
</tr>
<tr>
<td>&lt;&gt; must be an integer</td>
<td>Bundling order not added/updated or comple-</td>
<td>A non-numeric value was entered for one or more completion criteria. Return to the previous page and enter only numeric values for completion criteria.</td>
</tr>
</tbody>
</table>

|  |  |  |
Guidelines for Selection Data for Data Pool Insertion

- Initial criteria should be refined with experience
- Serve diverse user needs
  - Federal, State, Regional Government
  - Earth and social science research
  - Education
  - Intermediaries
  - Commercial applications
- Balance: Data variety vs. Persistence of need
  - Data variety supports diverse interests
  - Variation in retention supports different usage patterns (e.g., 30-day window for science, but window of 3 months or more for applications may be appropriate)
  - May vary by DAAC/data sets
Guidelines for Selection Data for Data Pool Insertion (Cont.)

• Data Type exclusion: DAAC restriction
  – Products of known limited interest (e.g., on-demand products)
  – Products requiring billing and accounting
    - May be represented in the Data Pool with metadata only

• Data quality selectivity
  – Use QA Flag qualifiers to permit insert only of granules meeting specified quality standards

• Reducing demand on Data Distribution
  – Based on predicted or observed interest level

• Systematic and iterative refinement
  – Set up initial criteria
  – Develop indicators for tracking level and nature of use
  – Monitor Data Pool usage and refine criteria as needed
User Access to the Data Pool

- Data Pool access through a web browser and FTP download
- Two ways user may access Data Pool using a web browser:
  - by a drill-down tool called the Data Pool Web Access GUI
  - Through the EDG during a data search
- The Data Pool Web Access GUI provides users with a rapid means of obtaining granules with associated metadata and any available browse granules
  - The interface allows a user to select a Theme, Data Group, or Data Set (ESDT) and successively select constraining criteria in a progressive narrowing of the search to drill down to desired granules
• In addition to Theme, parameters are presented in the following order during drill-down:
  – Data_Group
  – Data_Set
  – Date
  – Time_of_Day
  – Spatial
  – Cloud_Cover
  – Day/Night_Flag
  – Science_QA

• The user can modify the order in which the parameters are presented
Data Pool Web Access: Home Page (Welcome Screen)

Welcome to the EOS DataPool. DataPool is a short-term data cache which stores frequently accessed EOS data. A simple 'drill-down' web interface is used to quickly locate data of interest. Metadata and most browse data can be viewed directly in your browser. Science data files can be downloaded via ftp. If you’re new to the DataPool please read DataPool Help to get a quick overview of the ‘drill-down’ interface.

Please check the Release Notes for known problems and potential workarounds. We’d like to get your feedback. Please send comments or bug reports to DataPool@eos.hico.com.

ANNOUNCEMENT: HEG Processing will be unavailable from 01/01/05 7 AM to 9 PM.

You may start searching with any of the following parameters:

You may also set the order of parameter presentation in the drill-down.

Can’t find what you want in DataPool? Search the whole archive using the EOS Data Gateway

U.S. GOVERNMENT COMPUTER
YOU SHOULD HAVE NO EXPECTATION OF PRIVACY.
By continuing, you consent to your keystrokes and data content being monitored
Data Pool Web Access: Set Search Order

Select the parameters you want to search in the order you want to search them. Click "Set" to enter the selected order. Clicking "Reset" will return to the list of parameters to the default search order. Please note the following conditions:

- If you select the first search parameter to be "Data Group", the second parameter must be "Data Set".
- "Science QA" may NOT be selected before "Data Set" in the search order.

Set Search Order

When you have set the search order you want, go back to the Home Page to begin your search.

Can't find what you want in DataPool? Search the whole archive using the EPOS Data Gateway.
Data Pool organizes its data by Themes as listed below. To begin your search, select a Theme by clicking on a link in the column below.

<table>
<thead>
<tr>
<th>Theme</th>
<th>Description</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDC Theme 1</td>
<td>contains collections MOD09A1.001, MOD11A1.001 and MOD11A2.001</td>
<td>2774</td>
</tr>
<tr>
<td>EDC Theme 2</td>
<td>contains GDAS_0ZF.001, AST_EXP.001</td>
<td>12</td>
</tr>
<tr>
<td>MOD43 Theme</td>
<td>contains MOD43B1.001, MOD43B2.001 MOD43B3.001 and MOD43.004 from EDC</td>
<td>1339</td>
</tr>
<tr>
<td>New Non Ecs Theme</td>
<td>This is a new non–ecs theme for DPL regression testing – K. Cockerill, Tuesday, 6/17/03</td>
<td>0</td>
</tr>
<tr>
<td>OPS FIRST THEME</td>
<td>includes MODOCL2, MODOCL2A, DFLAPCHM, DFLAXCHM</td>
<td>60</td>
</tr>
<tr>
<td>OPS SECOND THEME</td>
<td>includes MOD01, MOD03, and MOD04_L2</td>
<td>4</td>
</tr>
</tbody>
</table>
Data Pool Web Access: Selecting Data Group

DataPool: Selecting Group... - Netscape

DataPool @ PVC

Home | About DataPool | About the DAAC | Glossary | Help

DataPool organizes its data by Data Groups as listed below. To begin your search, select a Data Group by clicking a link in the column below.

<table>
<thead>
<tr>
<th>Data Group</th>
<th>Description</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACRM</td>
<td>All collections/granules from the ACRIM mission</td>
<td>1</td>
</tr>
<tr>
<td>ASTT</td>
<td>ASTER collections/granules from the Terra mission</td>
<td>58</td>
</tr>
<tr>
<td>MAPFLAST_08</td>
<td>ASTER Level 2 Surface Temperature Product</td>
<td>2</td>
</tr>
<tr>
<td>MODAA</td>
<td>MODIS Atmosphere collections/granules from Aqua mission</td>
<td>179</td>
</tr>
<tr>
<td>MODAT</td>
<td>MODIS Atmosphere collections/granules from the Terra mission</td>
<td>127</td>
</tr>
<tr>
<td>MODG</td>
<td>MODIS Radiometric and Geolocation collections/granules for Terra</td>
<td>1</td>
</tr>
<tr>
<td>MOLT</td>
<td>MODIS Land collections/granules from the Terra mission</td>
<td>727</td>
</tr>
<tr>
<td>MOPT</td>
<td>MODITT collections/granules from the Terra mission</td>
<td>4</td>
</tr>
<tr>
<td>MSRT</td>
<td>MISR collections/granules from the Terra mission</td>
<td>1</td>
</tr>
</tbody>
</table>
Data Pool Web Access: Selecting ESDT (Data Set) (from Group)

Here is an example of a data set and its description:

<table>
<thead>
<tr>
<th>Data Set</th>
<th>Description</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD021KM.1</td>
<td>This Level 1B collection contains calibrated and geolocated radiances at-aperture for all 36 MODIS spectral bands at 1km resolution.</td>
<td>1</td>
</tr>
<tr>
<td>MOD021KM.3</td>
<td>This Level 1B collection contains calibrated and geolocated radiances at-aperture for all 36 MODIS spectral bands at 1km resolution.</td>
<td>1</td>
</tr>
<tr>
<td>MOD09A1.4</td>
<td>MODIS/Terra Surface Reflectance 8-Day L3 Global 500m SIN Grid</td>
<td>15</td>
</tr>
<tr>
<td>MOD09A1.7</td>
<td>MODIS/Terra Surface Reflectance 8-Day L3 Global 500m ISIN Grid</td>
<td>50</td>
</tr>
<tr>
<td>MOD09GHE.3</td>
<td>MODIS/Terra Surface Reflectance Daily L2G Global 500m ISIN Grid</td>
<td>1</td>
</tr>
<tr>
<td>MOD09GHE.4</td>
<td>MODIS/Terra Surface Reflectance Daily L2G Global 500m SIN Grid</td>
<td>4</td>
</tr>
<tr>
<td>MOD10A1.4</td>
<td>MODIS/Terra Snow Cover Daily L3 Global 500m SIN Grid</td>
<td>2</td>
</tr>
<tr>
<td>MOD10A2.4</td>
<td>MODIS/Terra Snow Cover 8-Day L3 Global 500m SIN Grid</td>
<td>15</td>
</tr>
<tr>
<td>MOD10L2.4</td>
<td>MODIS/Terra Snow Cover 5-Min L2 Swath 500m</td>
<td>17</td>
</tr>
<tr>
<td>MOD11L2.3</td>
<td>MODIS/Terra Land Surface Temperature/Emissivity 5-Min L2 Swath 1km</td>
<td>4</td>
</tr>
<tr>
<td>MOD43B1.4</td>
<td>MODIS/Terra BRDF/Albedo Model-1 16-Day L3 Global 1km SIN Grid</td>
<td>17</td>
</tr>
</tbody>
</table>
Data Pool Web Access: Selecting ESDT (Data Set) (from Home Page)

To begin your search, select a Data Set. Each link in the Data Set column below takes you to a list of Date values for which this product is available.

<table>
<thead>
<tr>
<th>Data Set</th>
<th>Description</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2M1A2C.77</td>
<td>AM-1 Ancillary APIDex</td>
<td>34</td>
</tr>
<tr>
<td>AST_07.1</td>
<td>ASTER Level 2 Surface Reflectance Product for the Visible Near Infrared Bands and Shortwave Infrared Bands. Atmospheric Corrections have been applied for cloud-free data.</td>
<td>10</td>
</tr>
<tr>
<td>AST_08.1</td>
<td>ASTER Level 2 Surface Temperature Product contains the surface temperature for the five ASTER Thermal Infrared Bands.</td>
<td>2</td>
</tr>
<tr>
<td>AST_L1A.1</td>
<td>ASTER Level 1 A Data Set is the reconstructed, unprocessed instrument digital counts with radiometric and geometric coefficients attached.</td>
<td>28</td>
</tr>
<tr>
<td>AST_L1A.2</td>
<td>ASTER level-1 A data are the reconstructed, unprocessed instrument digital counts with radiometric and geometric coefficients included.</td>
<td>2</td>
</tr>
<tr>
<td>AST_L1B.3</td>
<td>ASTER level-1 B data have had system radiometric corrections and geometric coefficients applied and are reprojected to a given map projection.</td>
<td>28</td>
</tr>
<tr>
<td>M1B2T.2</td>
<td>This file contains Terrain projected TOA Radiance, re-sampled at the surface and topographically corrected.</td>
<td>1</td>
</tr>
<tr>
<td>MOD000.1</td>
<td>MODIS Level 0 Raw Instrument Packets</td>
<td>1</td>
</tr>
<tr>
<td>MOD021KM.1</td>
<td>This Level 1B collection contains calibrated and geolocated radiances at-surface for all 36 MODIS spectral bands at 1km resolution.</td>
<td>1</td>
</tr>
<tr>
<td>MOD021KM.3</td>
<td>This Level 1B collection contains calibrated and geolocated radiances at-surface for all 36 MODIS spectral bands at 1km resolution.</td>
<td>1</td>
</tr>
</tbody>
</table>
Data Pool Web Access: Selecting Date

Current Search Criteria

The above search criteria would return approximately 4 granules which is about 51,055 MB of data.

Your options are:
- Select a value or a range for Date
- Skip Date and move onto Time (Edit)
- Set the granularity that matches the above criteria
- Start new search

Select a Day, Week or Month

Note: Each count (gray) represents the hits of all granules for that date range (which is treated as a range at a level). As such, sums of counts will not add up correctly (e.g., the hits for all of the days of the week will not total the displayed hits for that week).

Select a Date Range

You may select data from a range of dates using the selection boxes below. Please refer to the calendar above to identify days with available data.

Note: validation is performed on your form submission at this time. As such, you will receive a query that returns zero granules (e.g., an incorrect query where end date is earlier than start date).
Data Pool Web Access: Selecting Time

Current Search Criteria

You may search any historical data in the Data Pool, and review the data by time of day.

Select a Time of Day (GMT)

- OR -

Select a Time-of-Day Range (GMT)

You may select data from a time range (start time and end time) using the selection boxes below. Please refer to the 'Time-of-Day' table above to identify pre-determined time ranges with available data. Note: no validation is performed on your form selections at this time. As such, you can enter a query that returns zero granules (e.g., an incorrect query where start time is earlier than start time).

Adding your selection to the search criteria will also take you to the next drill-down page which is for selecting spatial coverage.
Data Pool Web Access: Selecting Spatial Area of Interest

Select from Map

This map allows Arcs-capable browsers to create a spatial search region or area of interest. Using your mouse, click on the map and drag the mouse to create the boundaries of the box. Or, move the mouse over the map to highlight it and click to select. There are two different modes for different activities. If you need help using the map, see the "Using the Applet" section in the Help documentation. As an alternative to the applet, the latitude and longitude boundaries for a region can be entered via the form provided below.

Select Bounding Rectangle

Enter coordinates to create a bounding rectangle. Enter the coordinates as decimal degrees. The resulting rectangle is actually a buffer box, not a rectangle composed of great-circle arcs. Note: no validation is performed on your input selections at this time. As such, you can enter a query that returns zero granules.

NOTE: The density map represents estimated counts for the selected Data Set ONLY if search criteria are represented (i.e., the map does not account for Date or Time).
Data Pool Web Access: Selecting Cloud Cover Percentage

Current Search Criteria

You may click on a highlighted category to go back and remove the filter-down from that point.

Data Set: MOD09A1.4

The above search criteria would return approximately 15 granules which is about 2318.63 MB of data.

Your options are:
- **Select a value** for Cloud Cover Percentage
- **Exclude Cloud Cover and move on to** [Back/Next]
- **Get the granules** that match the above criteria
- **Start a new search**

Cloud Cover Percentage

<table>
<thead>
<tr>
<th>Source Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QA_PERCENT_NOTPRODUCED_CLOUD</td>
<td>well's test for cloudcover PGA</td>
</tr>
</tbody>
</table>

**Select an Upper Limit**

<table>
<thead>
<tr>
<th>Cloud Cover Value</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;= 90%</td>
<td>15</td>
</tr>
<tr>
<td>&lt;= 80%</td>
<td>16</td>
</tr>
<tr>
<td>&lt;= 70%</td>
<td>16</td>
</tr>
<tr>
<td>&lt;= 60%</td>
<td>16</td>
</tr>
<tr>
<td>&lt;= 50%</td>
<td>15</td>
</tr>
<tr>
<td>&lt;= 40%</td>
<td>15</td>
</tr>
<tr>
<td>&lt;= 30%</td>
<td>15</td>
</tr>
<tr>
<td>&lt;= 20%</td>
<td>15</td>
</tr>
<tr>
<td>&lt;= 10%</td>
<td>15</td>
</tr>
</tbody>
</table>

**Select a Range**

Enter a cloud cover range or an upper or lower cloud cover value. Default values will be selected in the case that you enter an upper or lower value only. You may enter any integer value from 0 to 100. Decimals are not allowed.

- Cloud Cover is less than or equal to **%** AND
- Cloud Cover is greater than or equal to **%**

Add range to search
Data Pool Web Access: Selecting Day/Night Flag

Current Search Criteria

You may click on a hypertexted criterion to go back and remove the drop-down from that point.

<table>
<thead>
<tr>
<th>Data Group</th>
<th>MODIS L2.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Set</td>
<td>MOD01 L2.3</td>
</tr>
<tr>
<td>Date</td>
<td>2000-10-31 - 2000-10-31</td>
</tr>
<tr>
<td>Time of Day</td>
<td>1900 - 2000</td>
</tr>
</tbody>
</table>

The above search criteria would return approximately 4 granules which is about 51,655 MB of data.

Your options are:

- Select a value for Day/Night Flag
- Skip Day/Night Flag and move on to Science Data
- Get the granules that match the above criteria.
- Start a new search

Select a value for Day/Night Flag

<table>
<thead>
<tr>
<th>Day/Night</th>
<th>Description</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Day</td>
<td>4</td>
</tr>
</tbody>
</table>

Can't find what you want in DataPool? Search the whole archive using the EOS Data Gateway.
Data Pool Web Access: Selecting Science QA Flag

Current Search Criteria

You may click on a highlighted criterion to go back and remove the drop-down from that point.

Data Group: MOAT
Data Set: MOD11 L2.3
Date: 1990-10-31 - 2000-10-31
Time of Day: 0000 - 2400
Day/Night Flag: D

The above search criteria would return approximately 4 granules which is about 51,655 MB of data.

Your options are:

- Select a value for a Measured Parameter/Science QA.
- Get the granules that match the above criteria. At this point, this is the same as skipping the selection of a flag value since it is the last in the list of search criteria that can be selected.
- Start a new search

Select Measured Parameter: MODS L1T 05

<table>
<thead>
<tr>
<th>Science QA</th>
<th>Description</th>
<th>Granule Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passed</td>
<td>Parameter measurement quality was passed</td>
<td>1</td>
</tr>
<tr>
<td>Not Investigated</td>
<td>Parameter measurement quality was not investigated</td>
<td>3</td>
</tr>
</tbody>
</table>
Data Pool Web Access: Viewing Search Results Page

Results for Your Search

Your search criteria and results are listed below. If you are not satisfied with your results, you may re-visit your criteria selections by clicking on the links in the Search Criteria table below. You may also create a new search at any time.

Search Criteria

You may click on a highlighted criterion to go back and remove the filter from the query.

DataGroup: MODAT
DataSet: MOD01_L2.3
Date: 2000-10-31 – 2000-10-31
Time of Day: 1900 – 2000
Day/Night Flag: D
Science QA parameterName=MODIS_LST=scienceQualityFlag=Passed

The above search criteria returned 1 granules which is about 24.666 MB of data.

Results

- 1 MOD01_L2.3 granule was found. Average granule size is approximately 24.666 MB.
- The total size of the results set is approximately 24.666 MB.
- Warning: A maximum of 100 granules per order may have associated conversion requests (format change, projection changes or subsetting). If your order exceeds this limit, it will be rejected upon submission.

ANNOUNCEMENT: EO3 Processing will be unavailable from 01/01/05 at 7 AM to 9 PM.

Granule | Size (MB) | Date | Time |
--------|----------|------|------|
MOD01_L2.3_20001031 | 24.666 | 2000-10-31 | 19:15:00 – 19:20:00 Day

Add Granules to this page | Add All Granules in Result Set to Shopping Cart | View Shopping Cart

Notes: (clicking on the highlighted links produces a new browser window full of unscrollable elements, please see the "Viewing Data" section in the help documentation.)
Data Pool Web Access: Viewing Search Results Page – Science QA

Results for Your Search

Your search criteria and results are listed below. If you are not satisfied with your results, you may re-visit your criteria selections by clicking on the links in the Search Criteria table below. You may also create a new search at any time.

Search Criteria

You may click on a highlighted criterion to go back and narrow the data from that point.

DataSet: MOD011_L2.3

The above search criteria returned 4 granules which is about 51,055 MB of data.

Results

- 4 MOD011_L2.3 granules were found. Average granule size (compressed) is approximately 12.764 MB.
- The total size of the results set is approximately 51,055 MB.
- Warning: A maximum of 100 granules per order may have associated conversion requests (format change, projection changes or subsetting). If your order exceeds this limit, it will be rejected upon submission.

ANNOUNCEMENT: HEC Processing will be unavailable from 01/01/05 7 AM to 9 PM.

<table>
<thead>
<tr>
<th>Granule</th>
<th>Science QA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD011_L2.3_364974</td>
<td>Passed</td>
</tr>
<tr>
<td>MOD011_L2.3_364960</td>
<td>Not Investigated</td>
</tr>
<tr>
<td>MOD011_L2.3_364959</td>
<td>Not Investigated</td>
</tr>
<tr>
<td>MOD011_L2.3_364949</td>
<td>Not Investigated</td>
</tr>
</tbody>
</table>

625-EMD-013, Rev. 02
Data Pool Web Access: Viewing Search Results Page - Cloud Cover

Results for Your Search

Your search criteria and results are listed below. If you are not satisfied with your results, you may re-visit your criteria selections by clicking on the links in the Search Criteria table. You may also create a new search at any time.

Search Criteria

You may click on a highlighted criterion to go back and remove the data—down to that point.

[Data Pool MODIS @ PVC]

The above search criteria returned 4 granules which is about 51.655 MB of data.

Results

- 4 MOD01_L2 granules were found. Average granule size (compressed) is approximately 12.764 MB.
- The total size of the results set is approximately 51.655 MB.
- Warning: A minimum of 100 granules per order may have associated conversion requests (format change, projection changes or subsettings. If your order exceeds this limit, it will be rejected upon submission).
- ANNOUNCEMENT: HEG Processing will be unavailable from 01/01/05 7 AM to 9 PM.

<table>
<thead>
<tr>
<th>Granule</th>
<th>Cloud Cover</th>
<th>% Cloud Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD01_L2_3329747</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>SCMOD11_L2_3328460</td>
<td>75</td>
<td></td>
</tr>
<tr>
<td>SCMOD11_L2_3328459</td>
<td>93</td>
<td></td>
</tr>
<tr>
<td>SCMOD11_L2_3328459</td>
<td>69</td>
<td></td>
</tr>
</tbody>
</table>
Data Pool Web Access: Granule Metadata Viewer

Results for Your Search

The above search criteria returned 42 granules which is about 957.016 MB of data.

Granule Metadata Viewer

- GranuleMetaDataFile:
  - DTDVersion: 1.0
  - DataCenter: PVC
  - GranuleJRMetaData:
    - GranuleID: SC:MOD11A1.004:127289
    - DataID: 127289
    - InsertTime: 2005-03-10 14:16:46.503
    - LastUpdate: 2005-03-10 14:16:46.503
    - CollectionMeta:
      - ShortName: MOD11A1
      - VersionID: 4
      - DataFiles:
        - DistributedFileName: MOD11A1.A2003001.a13cv04.004.20033285083208.hdf
        - FileSize: 25698543
        - ChecksumType: ECS
        - Checksum: 492257588132851890
        - ChecksumOrigin: STMG
This MOD11_L2.3 granule can have HDF-EOS-to-GeoTIFF (HEG) converter processing options applied to it as part of an order. To select processing options, add the granule to the shopping cart and make selections via the form controls displayed there. The following options are allowed for granules of this type:

- **Output Format:**
  - hdfeos
  - geotiff

- **Projection:**
  - No Change
  - Geographic
  - Polar Stereographic
  - Universal Transverse Mercator

- **Spatial Subsetting:** Allowed

- **Band Subsetting:** Allowed
Data Pool Web Access: Your Shopping Cart

Your Shopping Cart

The contents of your shopping cart are listed below. The shopping cart contains a list of granules currently held in the cart and allows you to apply optional conversion operations to individual granules or the whole cart and supports ftpPull, ftpPush or physical media orders. Granules added to the cart will stay in the cart unless removed by you or until you successfully submit an order. You can return to your results set (Ξ) or start a new search (ΞΞ) at any time. This shopping cart will remain persistent during your session only. This page cannot be bookmarked!!

Cart Contents

- 1 MOD11_L2.3 granule was found. Average granule size is approximately 24,686 MB.
- Total size of data is 24,686 MB.
- Warning: A maximum of 100 granules per order may have associated conversion requests (format change, projection changes or subsetting).
  If your order exceeds this limit, it will be rejected upon submittal.
- ANNOUNCEMENT: HEG Processing will be unavailable from 01/01/05 7 AM to 9 PM.

<table>
<thead>
<tr>
<th>Granule</th>
<th>Size (MB)</th>
<th>Format</th>
<th>Projection</th>
<th>Subsetting</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMOD01_L2.3_36747</td>
<td>24,686</td>
<td>HDF-EOS</td>
<td>No Change (HDF-EOS Only)</td>
<td></td>
</tr>
</tbody>
</table>

When you've completed your selections, if you would like to start over:

Select Media  Empty the Shopping Cart
Data Pool Web Access: Projection Input Parameters Dialogue Box

Projection Input Parameters for: SC:MOD11A1.4:42054

Enter input parameters for this projection (optional). A UTM zone will be selected from the latitude and longitude values you enter below. If you choose not to enter any values, the zone will be determined based on the geographic location of the data you wish to project.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal Transverse Mercator</td>
<td></td>
</tr>
<tr>
<td>Longitude in Zone</td>
<td></td>
</tr>
<tr>
<td>Latitude in Zone</td>
<td></td>
</tr>
</tbody>
</table>

Note: if you do not supply a value for any one of the above fields, defaults will be calculated for you by the conversion software.

- Apply these settings to all granules in the shopping cart.
- Make these settings the default for incoming granules.

Note that incoming granules which do not support this projection will not have it selected as the default. Also note that choosing default projection settings will limit your media selections to ‘Download’ as long as the session is active so, choose carefully.

Choose selections now?

[OK] [Cancel]
Data Pool Web Access: Spatial Subsetting Dialogue Box

Spatial Subsetting for SC:MOD11A1.4:42024

Please enter values for the coordinates:

- **North Latitude**
  (e.g., 33.01; max. is 90.00)

- **West Longitude**
  (e.g., -14.982; min. is -180.00)

- **South Latitude**
  (e.g., -87.1; min. is -90.00)

- **East Longitude**
  (e.g., 23.01702; max. is 180.00)

**Note:** No defaults will be calculated for spatial subsetting if values are not entered into the field.

- Apply these settings to all applicable granules in the shopping cart.
- Make these settings the default for incoming granules.

[OK] [Cancel]
Data Pool Web Access: Media Selection (Media Options)

Please choose a media type now. You may wait until after completing the addition of data to your shopping cart, but you might need to remove data if you have exceeded the limit of the selected media. The media options shown below are an intersection of the options available for each data set represented in the shopping cart. Please choose a single media type.

CDROM and DVD are unavailable due to:
- One or more granules in your order are too large for CDROM and DVD.

<table>
<thead>
<tr>
<th>Select One</th>
<th>Media Type</th>
<th>Media Format (MB)</th>
<th>Min. Size Limit (MB)</th>
<th>Media Capacity (MB)</th>
<th>Max. Granule Counts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upload</td>
<td>File</td>
<td>2000000.0</td>
<td>0.0</td>
<td>1000000.0</td>
<td>5000</td>
</tr>
<tr>
<td>DLT</td>
<td>TAR</td>
<td>10 GB</td>
<td>0.0</td>
<td>4000.0</td>
<td>5000</td>
</tr>
<tr>
<td>8MM</td>
<td>TAR</td>
<td>5000000.0</td>
<td>0.0</td>
<td>3125.0</td>
<td>5000</td>
</tr>
<tr>
<td>Download</td>
<td>File</td>
<td>No Limit</td>
<td>No Limit</td>
<td>No Limit</td>
<td>No Limit</td>
</tr>
</tbody>
</table>

Shopping Cart contains 154,043 MB of data (1 granule).

* Warning: A minimum of 100 granules per order may have associated conversion requests (format change, projection changes or subsetting). If your order exceeds this limit, it will be rejected upon arrival.

Choose media type now?
[OK] [Choose Later]

Don't show this warning message again.
Data Pool Web Access: Checkout (Download Profile)

Please enter your download profile. Granules will be removed from the shopping cart upon the successful submission of an order. Your download profile will remain persistent during your session only. This page cannot be bookmarked!

Download Profile

User Name: (Optional)

First: [Input Field]
Last: [Input Field]
E-mail: [Input Field]

Send an order notification e-mail

When you've completed your selections, To change data content, To change media selection,

Order the Data, Back To Cart, Back To Media

Can't find what you want in DataPool? Search the whole archive using the EOS Data Gateway

U.S. GOVERNMENT COMPUTER
Data Pool Web Access: Download Ordered Data

Your Order ID is 740

Your order is ready now. You may download your data in the compression format of your choice or you may navigate to the DataPool ftp site directly.

Select a download option:
- No compression - goes to ftp site. You can selectively download individual files from your order here.
- zip - downloads a zip file of your data.
- tar - downloads a tar file of your data.
- tar.gz - downloads a gz compressed tar file of your data.
- tar.Z - downloads a UNIX compressed tar file of your data.

Start a new search to get more data.
Data Pool Web Access: Checkout (Physical Media)
## Data Pool Web Access: Confirm Order (Physical Media)

### DataPool Confirm Order - Netscape

#### Confirm Your Order

Please review your order contents. If your order is correct, submit it using the button at the bottom of the page.

**The data contents of your order are:**

<table>
<thead>
<tr>
<th>Dataset</th>
<th>Size (MB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCMOD11_L2.3-34747</td>
<td>24.686</td>
</tr>
</tbody>
</table>

**Your media selection is:**

- DVD, RockRidge FORMAT

**Your packaging selections are:**

- Include metadata files? **No**

**User Comments:** Data Pool media order

**Your shipping address is:**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name</td>
<td>Felix</td>
</tr>
<tr>
<td>Last Name</td>
<td>User</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:user@users.net">user@users.net</a></td>
</tr>
<tr>
<td>Telephone</td>
<td>212-555-2112</td>
</tr>
<tr>
<td>Organization</td>
<td>NYU</td>
</tr>
<tr>
<td>Street Address</td>
<td>2121 Madison Avenue</td>
</tr>
<tr>
<td>City</td>
<td>New York</td>
</tr>
<tr>
<td>State/Province</td>
<td>NY</td>
</tr>
<tr>
<td>Zip</td>
<td>10002</td>
</tr>
<tr>
<td>Country</td>
<td>USA</td>
</tr>
</tbody>
</table>

**Your contact address is:**

Same as shipping address

---

If your order is correct

For data content corrections

For media corrections

For all other corrections

---

You will receive an order acknowledgment e-mail containing your order ID and you will receive a delivery notification once your order is complete. Thanks for using DataPool. You may start a new search at any time.

Can't find what you want in DataPool? Search the whole archive using the EOS Data Gateway.
Data Pool Web Access: Order Acknowledgement Page

Order Acknowledgment

Your Order ID is 0400881855
You may bookmark this page and reload it to get updated order status.
Your order status is: Queued

Can’t find what you want in DataPool? Search the whole archive using the EOS Data Gateway

Note: If you are using a secure toolbar and encounter broken image problems, please disable JavaScript (it is not supported in DataPool).

US GOVERNMENT COMPUTER

YOU SHOULD HAVE NO EXPECTATION OF PRIVACY

By entering your credit card information, you certify that the information is true and correct and that you are authorized to make the purchase.
Data Pool FTP Service

• Pre-defined directory structure
  ./<DataPool Home Directory>/<Data Pool Collection Group>/<shortname.versionid>/<acquisition date>

• Anonymous FTP Service supports access through interactive FTP sessions or scripts

• Scenario
  – Log in as anonymous user
  – Data Pool FTP service establishes connection and assigns default directory for the Service
  – User navigates directory and searches for data
  – User downloads data to remote disk
  – User may repeat search and download
  – User logs out of Data Pool FTP service
EDG Access to Data Pool

- EDG indicates to a user any granules among the search results that are accessible on line – i.e., in the Data Pool – and provides links to the data, metadata, and browse data to allow download from the Data Pool.

- When a user searches ECS data holdings and obtains a list of granules, if the Data Pool contains a copy of any of the granules and associated metadata or browse data, there will be links in the On-line Access column of the listing:
  - A click on a link for data or metadata results in display of a dialog box for specifying a destination for download of the information from the Data Pool.
  - A click on a link for browse data launches the browse image in a browse viewer:
    - This feature is called Integrated Browse.
    - Browse images are sent to the EDG from the DAAC’s Data Pool.
    - If the browse granule is not already in the Data Pool, DPL (i.e., Data Pool Insert) stages the browse file (in the DPL hidden directory structure) by retrieving it from the appropriate AMASS storage location, as specified in the volume group history information in the STMGT database.
## EDG Access to Data Pool

### Customizing the Table
- Add additional information, change columns/number of rows, sort order, etc.

### Text-only version
- For printing or importing into a spreadsheet.

<table>
<thead>
<tr>
<th>Select</th>
<th>Granule Information</th>
<th>On-line Access</th>
<th>Image Quicklook</th>
<th>Request Sample</th>
<th>Granule ID</th>
<th>Local Granule ID</th>
<th>Start Date</th>
<th>Stop Date</th>
<th>Center Point</th>
<th>Quality Flag Info</th>
<th>Data Set</th>
</tr>
</thead>
</table>

**Note:** The table above is a simplified example and actual data may vary. For detailed access to data, refer to the EDG Access to Data Pool documentation.
Data Dictionary Maintenance

• ECS service requests routes to EDG Web Client - Version 0
  ECS V0 Gateway reads the ECS Data Dictionary containing the terminology mapping information

• EOS Data Gateway client must have ECS Valid terminology for searchable attributes
  – source
  – sensor
  – geophysical parameter
  – data set name
  – data center ID
  – campaign
  – processing level
  – geographical coordinates
  – temporal intervals

• EOSDIS V0 IMS has a two-week valids update cycle

• Tool permits mapping to collections (done when importing valids) and export of valids
Data Dictionary Maintenance Tool
Data Dictionary Maintenance Tool (Cont.)

![Data Dictionary Maintenance Tool in Mode, TS2](image)

1. ECS Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
</tr>
</thead>
<tbody>
<tr>
<td>InstrumentGuidePointer</td>
</tr>
<tr>
<td>InstrumentLongName</td>
</tr>
<tr>
<td>InstrumentShortName</td>
</tr>
<tr>
<td>Instrument Technique</td>
</tr>
</tbody>
</table>

2. ECS Keywords

<table>
<thead>
<tr>
<th>Keyword</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM2</td>
</tr>
<tr>
<td>MISR</td>
</tr>
<tr>
<td>MODIS</td>
</tr>
<tr>
<td>MOPITT</td>
</tr>
</tbody>
</table>

3. Equivalent Attributes

<table>
<thead>
<tr>
<th>Attribute</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMPAIGN</td>
</tr>
<tr>
<td>DATA_CENTER_ID</td>
</tr>
<tr>
<td>PARAMETER</td>
</tr>
<tr>
<td>PROCESSING_LEVEL</td>
</tr>
</tbody>
</table>

4. Equivalent Keywords

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Status</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>No mapping</td>
<td>Not Mapped</td>
<td>Done</td>
</tr>
</tbody>
</table>

![Update All Collections Button](image)
Data Dictionary Maintenance Tool (Cont.)

- Modify Data
- Import Valid File
- Map Attributes/Keys
- Export Valid File

1. Select Export Protocol
   - V0-IMS

2. Get list of collections
   - Selection Criteria...

3. Select collections to export
   - Collections

<table>
<thead>
<tr>
<th>Short Name</th>
<th>Version Id</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOD01</td>
<td>1</td>
<td>Export</td>
</tr>
</tbody>
</table>

4. Export collections to file
   - File name for export: `/home/cmts2/mod01_valid`
   - or
   - Browse...

   Save    Cancel
Data Dictionary Maintenance Tool (Cont.)

1. Select Import Protocol
   - ASTER-ECS

2. Load Valid File
   - File Name: /home/cmtso17/valid
   - or Browse...

3. Check File Syntax
   - Check

4. Save Syntax Error
   - File Name: /home/cmtso17/edc1.error
   - or Browse...
   - Save

5. Update Database
   - Update
   - Cancel
## DDMT User Messages

<table>
<thead>
<tr>
<th>Message Text</th>
<th>Impact</th>
<th>Cause/Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failed.</td>
<td>Cannot proceed with the subsequent and corresponding actions.</td>
<td>Operator action did not result in the desired program function. Check prior entries before action entries.</td>
</tr>
<tr>
<td>Can't undo.</td>
<td>Cannot cancel previous action.</td>
<td>Cancellation is not possible. No corrective action available.</td>
</tr>
<tr>
<td>The Query failed for all the collections.</td>
<td>Query cannot be performed.</td>
<td>Could not perform the query for all the collections. Check the DDICT server log files for possible connectivity or Sybase errors and, if indicated, contact the System Administrator or Database Administrator to correct identified problems. Then try again.</td>
</tr>
<tr>
<td>The Query failed for some of the collections.</td>
<td>Query cannot be completely performed.</td>
<td>Could not perform the query for some of the collections. Check the DDICT server log files for possible connectivity or Sybase errors and, if indicated, contact the System Administrator or Database Administrator to correct identified problems. Then try again.</td>
</tr>
<tr>
<td>The Query succeeded for all the collections.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>The Query succeeded for some collections.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>Error connecting to Data Dictionary Server.</td>
<td>Data Dictionary Server not connected.</td>
<td>Contact System Administrator/Operations Supervisor to ensure that the server is running and to check for connectivity problems.</td>
</tr>
<tr>
<td>Querying database.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>Updating database.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>Message Text</td>
<td>Impact</td>
<td>Cause/Corrective Action</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>The update was successful.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>The update failed.</td>
<td>Database cannot be updated.</td>
<td>Updating the database did not work. Check the DDICT server log files for possible connectivity or Sybase errors and, if indicated, contact the System Administrator or Database Administrator to correct identified problems. Then try again.</td>
</tr>
<tr>
<td>No attribute has been specified.</td>
<td>No further action on attributes will occur.</td>
<td>Attributes are not specified. Specify the attributes and try again.</td>
</tr>
<tr>
<td>A valid value has not been specified.</td>
<td>No further action will occur.</td>
<td>A value was not specified. Specify a value and try again.</td>
</tr>
<tr>
<td>Unable to connect to Data Dictionary Server. Please try later.</td>
<td>Data Dictionary Server not connected.</td>
<td>Contact System Administrator/Operations Supervisor to ensure that the server is running and to check for connectivity problems.</td>
</tr>
<tr>
<td>The query matched no items in database.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>The query failed.</td>
<td>Query cannot be performed.</td>
<td>Could not perform the query. Check the DDICT server log files for possible connectivity or Sybase errors and, if indicated, contact the System Administrator or Database Administrator to correct identified problems. Then try again.</td>
</tr>
<tr>
<td>Unknown internal error.</td>
<td>The connection to the server is not available.</td>
<td>Contact System Administrator/Operations Supervisor to ensure that the server is running and to check for connectivity problems.</td>
</tr>
<tr>
<td>Cannot open valids file &lt;valids filename&gt;.</td>
<td>Valids file will not be available.</td>
<td>The valids file specified does not exist. Specify the correct valids file and try again.</td>
</tr>
<tr>
<td>Saved file &lt;filename&gt;.</td>
<td>N/A.</td>
<td>Informational message.</td>
</tr>
<tr>
<td>You have pending actions, which will be lost if you exit. Do you really want to exit?</td>
<td>Loss of pending actions.</td>
<td>Operator trying to exit before confirmation of database changes. Confirm before exiting.</td>
</tr>
<tr>
<td>Do you really want to exit?</td>
<td>Seeks confirmation.</td>
<td>Operator confirmation required before exiting. Confirm before exiting.</td>
</tr>
<tr>
<td>Unable to open specified file. Try another filename.</td>
<td>File specified will not be available.</td>
<td>The file specified by the operator cannot be opened. Specify correct file name and try again.</td>
</tr>
<tr>
<td>Message Text</td>
<td>Impact</td>
<td>Cause/Corrective Action</td>
</tr>
<tr>
<td>--------------</td>
<td>--------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>You have made changes to <code>&lt;item name&gt;</code>, which will be lost if you proceed. Do you want to continue?</td>
<td>Loss of current changes.</td>
<td>Operator confirmation required before exiting the current action. Confirm before exiting.</td>
</tr>
<tr>
<td>Query failed.</td>
<td>N/A.</td>
<td>Database search resulted in no selections.</td>
</tr>
<tr>
<td>The query failed, possibly due to a server problem.</td>
<td>Connection to DDICT server not available.</td>
<td>Contact System Administrator/Operations Supervisor to ensure that the server is running and to check for connectivity problems.</td>
</tr>
<tr>
<td>Unable to open output file <code>&lt;filename&gt;</code>.</td>
<td>Output file not available.</td>
<td>Specified output file does not exist. Check for its presence. Create file if necessary and try again.</td>
</tr>
<tr>
<td>Not available <code>&lt;List of items not available&gt;</code>.</td>
<td>File is not available.</td>
<td>Configuration File Error. Contact System Administrator to ensure use of the correct Configuration File with all the entries required.</td>
</tr>
<tr>
<td>No file specified. Please select or type a file name.</td>
<td>File not available.</td>
<td>A filename has not been specified. Select the proper filename and try again.</td>
</tr>
<tr>
<td><code>&lt;filename&gt;</code> does not exist. Please try again.</td>
<td>File not available.</td>
<td>File selected does not exist. Select a file that is present and try again.</td>
</tr>
<tr>
<td>Unable to access <code>&lt;filename&gt;</code>. Please try again.</td>
<td>File not available.</td>
<td>Cannot access the specified file. Check for the presence of the specified file.</td>
</tr>
<tr>
<td><code>&lt;filename&gt;</code> is a directory. Please also specify a file.</td>
<td>File not available.</td>
<td>File selected does not exist. Specify a filename instead of the directory.</td>
</tr>
<tr>
<td><code>&lt;filename&gt;</code> is not a proper file. Please try again.</td>
<td>File not available.</td>
<td>File selected is not proper. Specify a proper filename.</td>
</tr>
<tr>
<td><code>&lt;filename&gt;</code> already exists and will be overwritten. Do you want to continue?</td>
<td>A file is overwritten.</td>
<td>Operator has used an existing filename. Use a different filename to avoid overwriting and existing file.</td>
</tr>
<tr>
<td>Value missing for required field. Please specify a value.</td>
<td>Cannot proceed with the action.</td>
<td>Improper entry in the desired field. Make a proper entry and try again.</td>
</tr>
<tr>
<td>Elements in valids section of data file not understood.</td>
<td>The data file is not usable.</td>
<td>The valids file is not correct. Use the proper valids file and try again.</td>
</tr>
</tbody>
</table>
Data Dictionary Server Log Files

• Check log files; review with UNIX editor (e.g., pg, view, vi, more, tail)
• Path: /usr/ecs/MODE/CUSTOM/logs
• EcDmDictServerDebug.log
  – If evidence of network error, notify System Administrator
• EcDmDictServer.ALOG
  – If evidence of Sybase error, notify Database Administrator
Cross-DAAC Referral

- Referral to another DAAC
  - User Contact Log record – document the request
  - User Profile – verify user registration
  - Data Search and Order tool – locate the requested data
  - Forward original request to the other DAAC
  - Add explanatory information
  - Attach preliminary search as a desktop object
  - Attach original Contact Log Id record
  - Send the requester E-mail explaining that the request for help has been forwarded
Cross-DAAC Referral (Cont.)

- Receive referral from another DAAC
  - User Contact Log record – document receipt of the referral
  - User Profile – verify for yourself that the requester is a registered user
  - Data Search and Order tool – locate the requested data
  - Review the E-mail – verify that the search is complete or add search parameters, contacting the user if more information is necessary
  - Submit the order
  - Update User Contact Log record – indicate completion of order; close the record
Cross-DAAC Tracking

• Tracking to another DAAC
  – User Contact Log record: document the request
  – User Profile: verify that the requester is a registered user
  – Query User Contract Log: search for closed record concerning user request
Cross-DAAC Tracking (Cont.)

• Responding to tracking request from another DAAC
  – User Contact Log record – update record to document current status check
  – User Profile – verify that requester is still registered
  – ECS Order Tracking tool – check on status of user’s data request
  – telephone or E-mail to the user – provide status of data request
  – telephone or E-mail to the original DAAC – permit closing of User Contact Log record there
  – User Contact Log record – update record to document that status was provided
Objectives and Importance

• Overall: Proficiency in providing support to users of the ASTER Data Acquisition Request (DAR) tool
  – Describe the ASTER DAR tool and its purpose
  – Create and submit a DAR, including instrument settings, data quality, transmission, viewing geometry, spatial requirements, and temporal requirements
  – Create and submit a query to the xAR Database

• Lesson topic helps prepare LP DAAC User Services representatives to assist users in application of the ASTER DAR tool for preparing ASTER Data Acquisition Requests
Data Acquisition Requests

• DAR: a user request submitted through the ECS Client to schedule data acquisition by the Advanced Spaceborne Thermal Emission and Reflection (ASTER) Radiometer
  – submitted to the ASTER Ground Data System (GDS) in Japan
  – the GDS controls scheduling of the ASTER instrument
  – collected data are provided as level 1A and level 1B data to the LP DAAC
ASTER DAR Tool (ADT) Organizer Tab

The Organizer is essentially a simple file manager for your DAR information. The Organizer contains user-created (1) folders and (2) DARs. To see what’s under a folder double-click on it or use the mouse to select the left of the folder. Double-clicking on a DAR will load that DAR into the editor screen (Create/Edit DAR tab) by default.
ADT Create/Edit DAR General Tab

[Diagram of the Java DAR Tool interface showing various input fields and options for DAR creation and editing.]
ADT Create/Edit DAR Spatial Tab

The Spatial tab above provides the capability to enter DAR parameters by mouse or keyboard. You must set the spatial coordinates (latitude and longitude) that outline the Area Of Interest (AOI) polygon for your DAR. All polygons must be fully closed with no intersections. Click on the polygon button to begin entering AOI points. Press "Update DAR..." to display entered parameters in the DAR Summary.
ADT Create/Edit DAR Temporal Tab

The Temporal tab above provides the capability to enter DAR temporal parameters. You must set the start and end date parameters for your DAR. The Repeat Interval and Acquisition Window parameters may be left as is, at their defaults or they may be changed. When finished press 'Update DAR >>>' to display the entered parameters in the DAR Summary.
ADT Create/Edit DAR Geometry Tab

The Geometry tab above provides the capability to enter look angles and solar angles using a variety of methods. There are no required entries for this tab. Selecting one or the look angle radio button settings results in the display of different look angle fields and components. When finished press Update DAR >>> to display the entered parameters in the DAR Summary.
ADT Create/Edit DAR Priority Tab

Note: Press button to save values >>> Update DAR >>>

The Priority tab above provides the capability to set parameters that may affect the priority placed on a DAR request. Submitting a 'Request for Expedited Data' requires special ASTER authorizations that must be obtained in advance (this function will be greyed-out if you do not have such authorization). When finished press Update DAR >>> to display the entered parameters in the DAR Summary.
Your Identification Number for this DAR is: 11146253

Your Data Acquisition Request (DAR) has been received by the ASTER-GDS. You will receive confirmation of this DAR via email containing a summary of your DAR parameters as well as recommendations on how to proceed. Further, you will be notified by email when data products for your DAR are available for delivery by ECS.
Modify a DAR

• Modification of an existing DAR is limited
  – From DAR Organizer, the maximum acceptable cloud cover for a selected DAR may be set less restrictive
  – From DAR Organizer, a selected DAR may be suspended or activated by clicking on the desired status in a dialog

• Modifications are acknowledged by ASTER GDS
The ASTER DAR Tool permits a user to search for an existing DAR in the XAR database in Japan, using the Create/Edit Search tab:

- Search by DAR ID
- Search by attribute
  - Specify General, Spatial, Temporal, Geometry, Priority, or other attributes
ADT Create/Edit Search Tab: Search by XAR ID
ADT Inspect Results

• Results of a Search may be inspected using the Inspect Results tab
  – Results returned as a list of titles, DAR IDs, and set of associated parameters
  – User may select one or more DARs from the list and view them in different ways
    - Textually
    - Graphically
    - Area of Interest (AOI) within selected Area of Search (AOS)
    - By search parameters that produced the result
  – User may create a template DAR using the parameters from one of the results to submit a new DAR
  – User may view acquired scenes from a selected result
    - Graphically
    - AOI within AOS
### ADT Inspect Results Tab

#### Table

<table>
<thead>
<tr>
<th>Row</th>
<th>XR Title</th>
<th>XR ID</th>
<th>Investigation Class</th>
<th>Scientific Objective</th>
<th>Day/Night</th>
<th>Maximum Cloud Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>20_TITLE</td>
<td>20</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>11</td>
<td>21_TITLE</td>
<td>21</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>21</td>
<td>22_TITLE</td>
<td>22</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>31</td>
<td>23_TITLE</td>
<td>23</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>41</td>
<td>24_TITLE</td>
<td>24</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>51</td>
<td>25_TITLE</td>
<td>25</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>61</td>
<td>10_TITLE</td>
<td>10</td>
<td>Other atmospheric observation</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>71</td>
<td>11_TITLE</td>
<td>11</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>81</td>
<td>12_TITLE</td>
<td>12</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>91</td>
<td>13_TITLE</td>
<td>13</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>101</td>
<td>14_TITLE</td>
<td>14</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>111</td>
<td>15_TITLE</td>
<td>15</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>121</td>
<td>16_TITLE</td>
<td>16</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>131</td>
<td>17_TITLE</td>
<td>17</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>141</td>
<td>18_TITLE</td>
<td>18</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
<tr>
<td>151</td>
<td>19_TITLE</td>
<td>19</td>
<td>Variance radiometric calibration</td>
<td>To do science</td>
<td>day or night</td>
<td>&lt;=10%</td>
</tr>
</tbody>
</table>
On-Demand Product Requests

- Users can submit requests through the EOS Data Gateway (EDG) tool
  - Create/order ASTER high-level products
  - Create/order Digital Elevation Model (DEM) products
  - Create/order non-standard ASTER Level 1B products
- ECS at LP DAAC is configured to support the requests
  - EDG: provides on-demand options among the data ordering options
  - PLS: creates and queues the necessary production requests
  - DPS: provides status of high-level processing for the requests
  - MSS: provides for tracking On-Demand Requests
EDG: AST_L1B Results Listing

Customize this table – add additional information, change columns/number of rows, sort order, etc. Text-only version* – for printing or import into a spreadsheet.

<table>
<thead>
<tr>
<th>Select</th>
<th>Granule Information</th>
<th>On-line Access</th>
<th>Image Quicklook</th>
<th>Request Sample</th>
<th>Granule</th>
<th>Local Granule Id</th>
<th>Start Date</th>
<th>Stop Date</th>
<th>Quality Flag Info</th>
<th>Center Point</th>
</tr>
</thead>
</table>
The ASTER L1B Registered Radiance at the Sensor product contains radiometrically calibrated and geometrically co-registered data for all the channels acquired previously through the telemetry streams of the 3 different telescopes in Level-1A. This product is created by applying the radiometric calibration and geometric correction coefficients to the Level-1A data.
EDG: Shopping Cart, Step 1

Shopping Cart:
Step 1: Choose Ordering Options

Have a question, a problem, or a comment? | Help for this page

1 item in your shopping cart, 0 items ready to be ordered.

Before you can go to Step 2: Order Form you must choose ordering options using the Choose Options link next to each item that needs it.

Empty Entire Shopping Cart

Order Options | Subsetting | Granule | Size (MB) | Data Center | Delete

Choose Options | Subsetting available | SCAST_L1B.001:78159 | 124.810000 | ECS-TEST

Use of this site constitutes an agreement to US Government security policy and US Government privacy policy. Our accessibility policy is also available.

Comments, Questions, or Problems? Email us *

Created by EOS Data Gateway version 3.5R3.
NASA Task Representative: Robin Pfister (Mail Code 403, NASA/GSFC, Greenbelt, MD 20771)
EDG: Choose Ordering Options
EDG: Media Selection
EDG: Shopping Cart, Step 2