

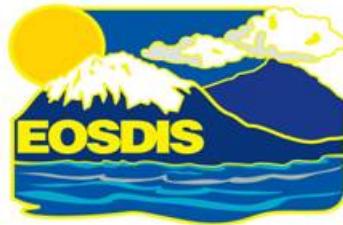


Ingest

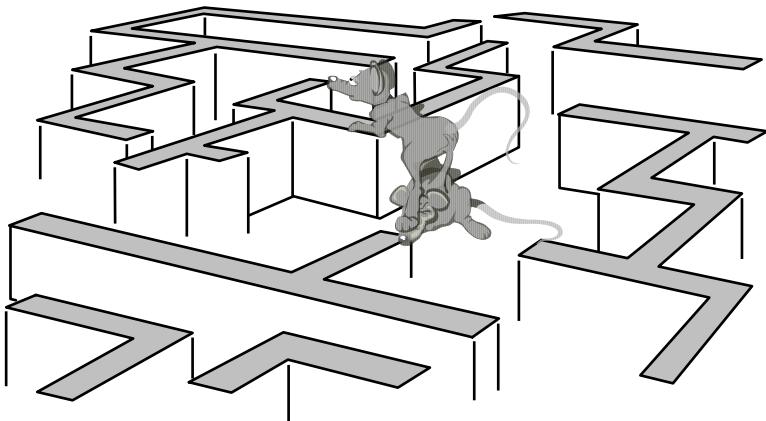
May 2008

Raytheon

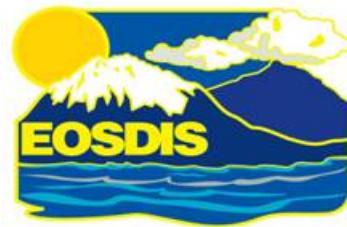
Overview of Lesson



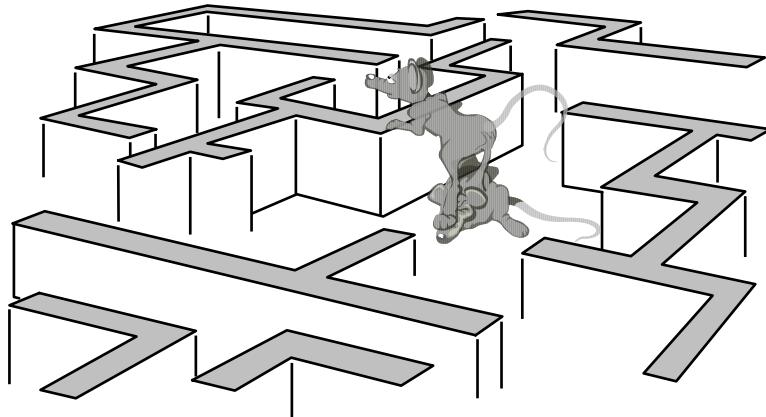
- **Introduction**
- **Ingest Topics**
 - **Ingest Concept**
 - System Context
 - DPL Ingest Subsystem
 - **Ingest Activities**
 - **Ingest Categories**
 - **Ingest Scenarios**
 - **Logging in to System Hosts**
 - **Launching the Data Pool Ingest GUIs**
 - **Monitoring Data Pool Ingest**



Overview of Lesson (Cont.)



- **Ingest Topics (Cont.)**
 - Monitoring Data Pool Ingest Status
 - Interventions & Alerts
 - Modifying DPL Ingest Configuration Parameters

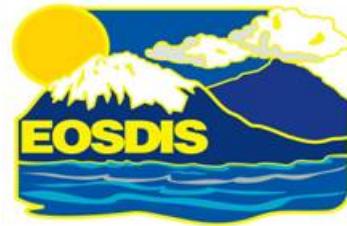


Objectives



- **OVERALL:**
 - Develop proficiency in the procedures that apply to ingest operations
- **SPECIFIC:**
 - Describe the ingest function, including a general statement of the ingest responsibility in the system and an overview of the ingest process
 - Perform the steps involved in
 - logging in to system hosts
 - launching the ECS DPL Ingest GUI
 - monitoring and controlling ingest requests
 - viewing the Ingest History Log
 - verifying the archiving of ingested data

Objectives (Cont.)



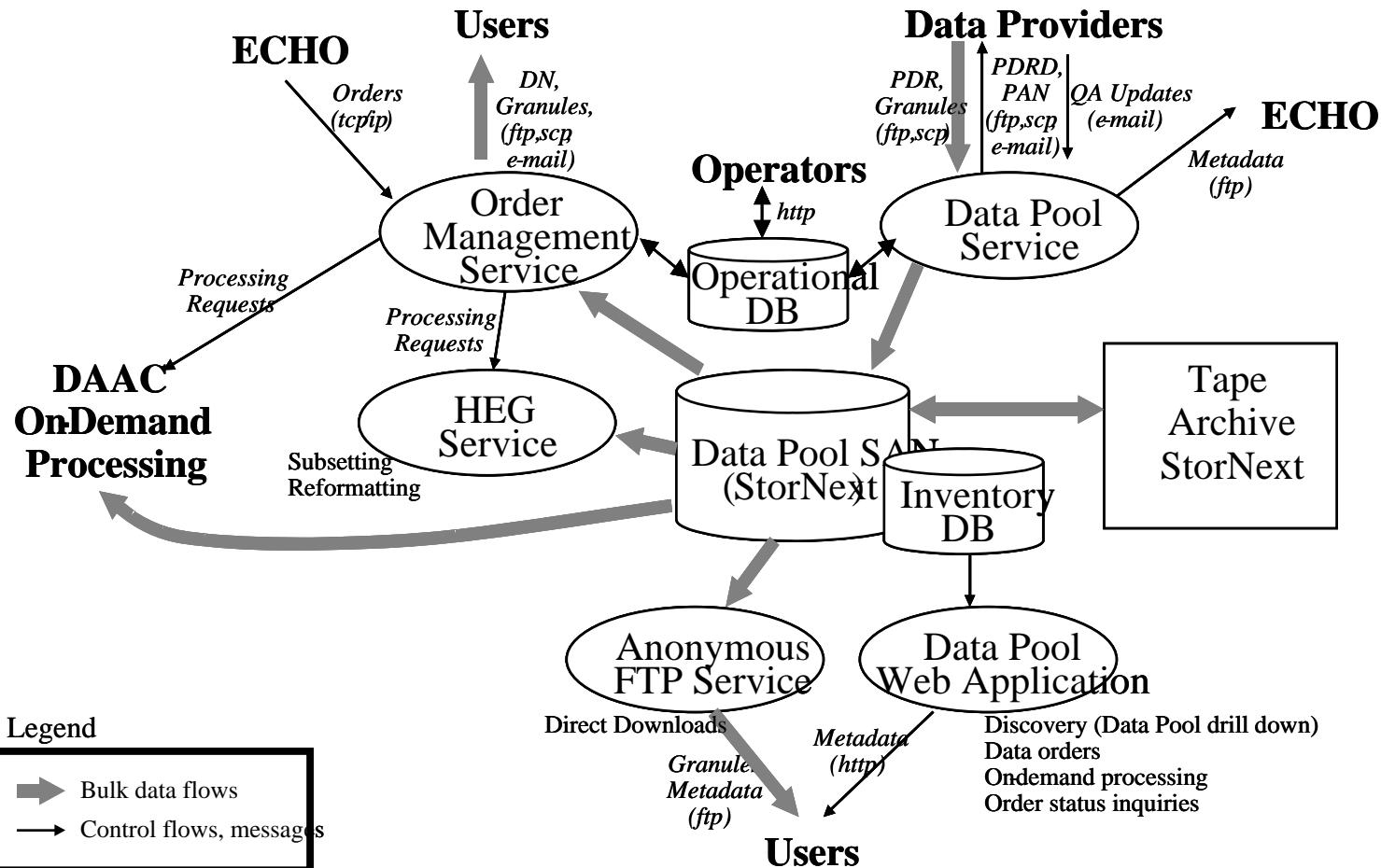
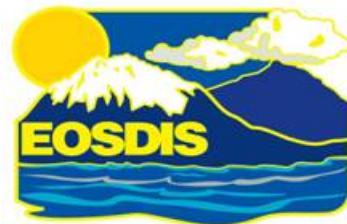
- **SPECIFIC (Cont.):**
 - Perform the steps involved in
 - modifying external data provider information
 - modifying Ingest Subsystem parameters using the Data Pool Ingest GUI Operator Tools

Objectives (Cont.)

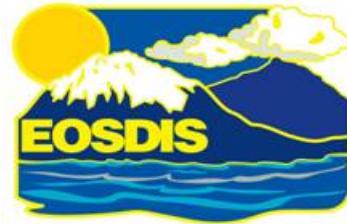


- **STANDARDS:**
 - Lesson content (procedures in the lesson)
 - Mission Operation Procedures for the EMD Project
(611-EMD-100)

Ingest Context Diagram



Ingest Context (Cont.)



- **Context (Cont.)**
 - Data Pool Ingest Subsystem is point of entry to the system for data from external data providers
 - The Order Management Service (OMS):
 - Manages all distribution services
 - Accepts distribution requests from external interfaces (e.g., ECHO)
 - Implements distribution and staging policies as configured by the DAAC
 - Data Pool (DPL) Service:
 - Point of entry to the system for data from external data providers
 - Requests staging operations for data not found in the SAN
 - Interfaces with on-demand processing services, such as HEG (internal) and HEW (external)
 - Provides a web-based order status interface for users, as well as a web-based operator interface to manage distribution
 - Manages all ingest, staging and archiving services
 - Polls for, and processes ingest requests in accordance with ECS Interface Control Documents (ICDs)

Ingest Context (Cont.)



- **Context (Cont.)**
 - **DPL Ingest Service: (Cont.)**
 - **Implements ingest, archiving and staging policies as configured by the DAAC**
 - **Dispatches pre-processing services to perform metadata extraction and format conversions and dispatches subscription services following ingest**
 - **Accepts and applies Quality Assurance (QA) updates**
 - **Maintains and exports collection and granule metadata**
 - **Supports discovery, drill down searches, and direct data downloads via the Data Pool Web Application and Anonymous FTP Service**
 - **Provides a web-based operator interface to manage ingest, archiving, staging and metadata**

Ingest Context (Cont.)



- **Context (Cont.)**
 - **The HEG service:**
 - Accepts requests for subsetting, reformatting, and re-projection via the HEG Tool
 - Dispatches HEG processes across platforms while performing load balancing and resource management
 - Used by the Data Pool Service to perform routine pre-processing (e.g., format conversion) during ingest
 - Used by the Order Management Service to perform on-demand processing during distribution

Ingest Context (Cont.)



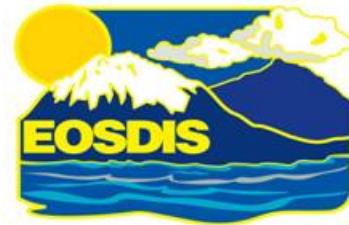
- **Context (Cont.)**
 - **Data Pool Storage:**
 - consists of a Storage Area Network (SAN) that is accessible to all internal platforms for processing and distribution
 - Provides a large disk cache for recent inserts and on-going operations enabling up to several months worth of data to be buffered
 - Implements data retention and migration policies as configured by the DAAC
 - **Tape Archive:**
 - Provides tape storage for all archived data
 - Accessed only by the DPL Ingest Service during archiving or staging

Ingest Context (Cont.)



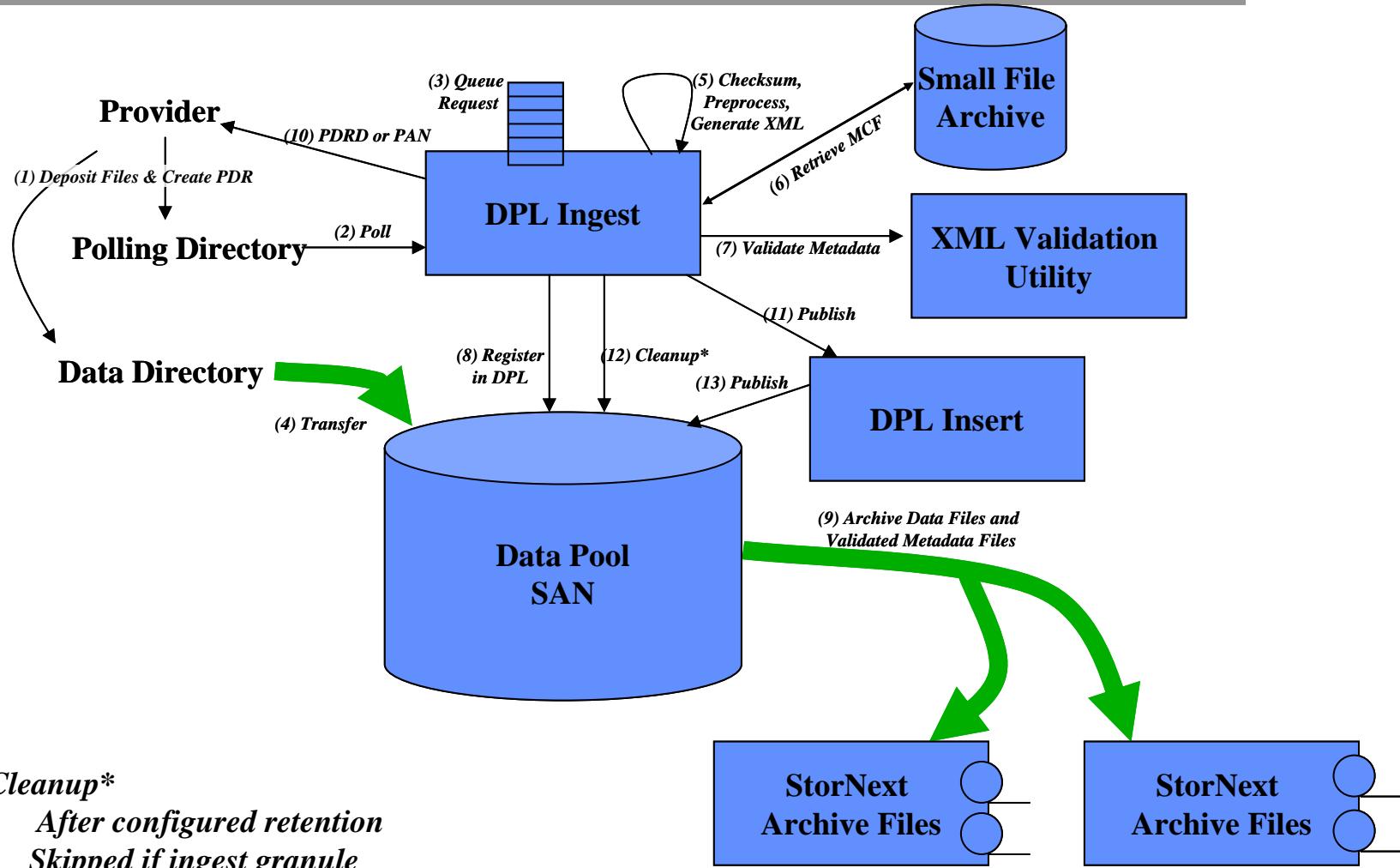
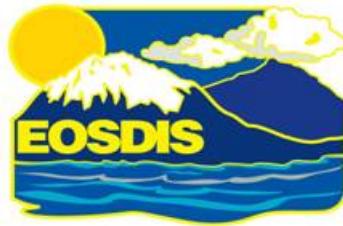
- **Context (Cont.)**
 - **Inventory Database:**
 - Tracks all archived granules
 - Accessible to all platforms
 - Contains a reduced set of metadata (metadata needed only to support Data Pool web) searches and ingest processing
 - Complete metadata for each granule is stored in metadata files in XML and ODL format
 - All metadata files are kept on disk, i.e., they are not archive

Ingest Context (Cont.)

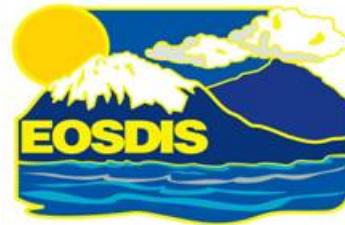


- **Context (Cont.)**
 - **The Operations Database:**
 - Accessed by the Order Management Service, Data Pool Service and operator interfaces
 - Holds operational data including the state of active requests
 - Holds historical information about completed requests

DPL Ingest Subsystem



DPL Ingest Subsystem (Cont.)



- **The DPL Ingest Subsystem:**
 - The component that the Ingest Technician uses when getting data from external data providers into the system
 - The Ingest Technician has access to Data Pool Ingest through the DPL Ingest GUI
 - Used for SIPS, S4P, Aster, Secure Copy and cross-DAAC ingest
 - Supports the ingest protocol known as ‘Polling with Delivery Record’
 - Inserts the ingested data into the archive and the Data Pool SAN
 - SIPS providers place their data and Product Delivery Record (PDR) files into a polling directory
 - The directory can be local, e.g., accessible via a mount point; or remote, i.e., accessible via FTP or Secure Copy (SCP)

DPL Ingest Service



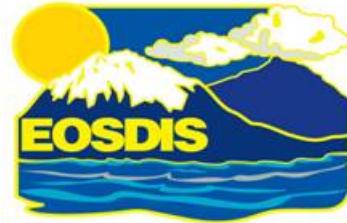
- **DPL Ingest Service**
 - SIPS providers place their data and Product Delivery Record (PDR) files into a polling directory. The directory can be local, e.g., accessible via a mount point; or remote, i.e., accessible via FTP or SCP
 - The DPL Ingest Service will poll these directories as configured by the DAAC and retrieve all new PDR files in those directories
 - The DPL Ingest Service queues ingest requests for all PDRs that it finds. To decide which validated PDR will be processed next, it checks available resources and DAAC configured priorities
 - The granule files are copied into the Data Pool SAN, using hidden directories for that purpose unless the DAAC requested that the data be published on insert

DPL Ingest Service (Cont.)



- **DPL Ingest Service (Cont.)**
 - Preprocessing events include checksum verification and translation of ODL files to XML if needed
 - For non-SIPS ESDTs, Ingest will retrieve the MCF from a configured location in the Small File Archive
 - Ingest validates the incoming granule metadata using the XML Validation Utility. The validated science xml metadata will be copied to a location in the StorNext Archive
 - The Data Pool Ingest Utility (DPIU) registers the granule in the DPL database
 - The DPIU then copies the granules to the StorNext Archive. This may involve a copy to both a primary and backup archive depending on how the ESDT is configured for archiving

DPL Ingest Service (Cont.)



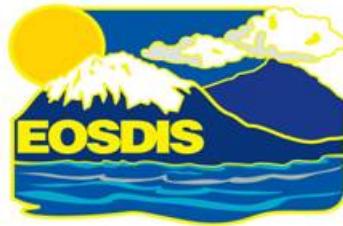
- **DPL Ingest Service (Cont.)**
 - Once all granules within the PDR are completed, the provider is notified of the outcome, which could be immediately via Product Delivery Discrepancy Report (PDRD) if PDR validation failed, or later via a short or long Product Acceptance Notification (PAN)
 - If the ESDT is configured for public Data Pool insert, granule made public in the Data Pool and populates the warehouse tables using the XML version of the metadata
 - If the ESDT is not configured for public DPL Ingest, the granule will be cleaned up when it expires

DPL Ingest Service (Cont.)



- **DPL Ingest Service (Cont.)**
 - **Note: The SDSVR can be configured for usage**
 - **Ingest queries the SDSRV DB for the next available dbID; it is used to generate the UR for the granule**
 - **If the incoming metadata file is in XML format, it is translated to ODL**
 - **If the incoming metadata file is in ODL (met) format, ODLtoXMLTranslator is invoked to convert the incoming ODL file to XML format**

DPL Ingest GUI



- **DPL Ingest GUI**
 - **Provides capabilities:**
 - **Monitor ingest requests and errors**
 - **Respond to ingest requests for operator intervention and alerts**
 - **Enter configuration information related to providers, polling locations, and the handling of data collections**

Logging in to System Hosts



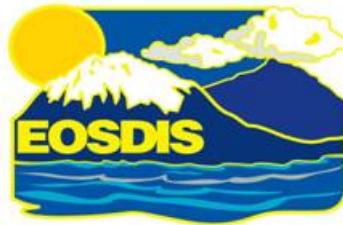
- Logging in to system hosts is accomplished from a UNIX command line prompt
 - It is an initial set of steps that is performed when accomplishing many other Ingest tasks
- Procedure
 - Access the command shell
 - Set the DISPLAY environmental variable
 - Log in to the specified host using secure shell and the specified user ID

Launching ECS Data Pool Ingest



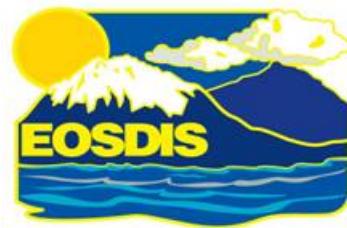
- **Software applications associated with Data Pool Ingest:**
 - EcDIInProcessingService
 - EcDIInPollingService
 - EcDIInNotificationService
- **Normally multiple instances of some Ingest servers**
- **Ingest depends on other the Data Pool Maintenance GUI to set up the Collection Groups**

Launching Data Pool Ingest (Cont.)



- **Procedure (Launching the Data Pool Ingest GUI)**
 - Launch **Mozilla Firefox 2.0**
 - Type the **URL** or (retrieve by bookmark) the **Data Pool Ingest GUI**

ECS Data Pool Ingest GUI Home Page



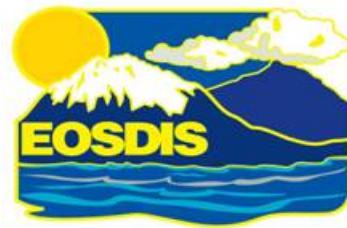
- The **Navigation panel** is located in the left pane and contains menus that allow the operator monitor/control requests
- The **General System Statistics** section provides general information about current requests and granules in the system, as well as the various services and file systems used in processing

A screenshot of the DPL Ingest GUI (DEVO9) running in Mozilla Firefox. The window title is "DPL Ingest GUI (DEVO9) - Mozilla Firefox".

The interface includes:

- Navigation Panel:** Home, Monitoring, Intervention & Alerts, Configuration, Reports, Help.
- Header:** DATA POOL INGEST web GUI, NASA logo, Date: Thu Feb 1 2007 13:02:01.
- General System Statistics:**
 - Total Volume Of Data Queued: 0.000 MB
 - Total Volume Of Data In-Processing: 0.000 MB
 - Total Ingest Requests Queued: 0
 - Total Ingest Requests In-Processing: 0
 - Total Granules Queued: 0
 - Total Granules In-Processing: 0
- DPL Ingest Status:**
 - General Ingest Status: active Suspend
 - Email Service Status: active Suspend
- Service Status:**
 - Notification Service Status: Down Down since 10:00H
 - Polling Service Status: Down Down since 10:00H
 - Processing Service Status: Down Down since 10:00H
- Buttons:** Auto Refresh, Done.

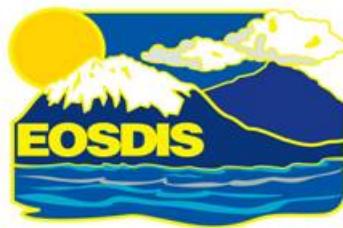
ECS Data Pool Ingest GUI – Home (Cont.)



- **The General System Statistics section provides general information about current requests and granules in the system, as well as the various services and file systems used in processing**

Field Name	Description
Total Volume of Date Queued	Sum of the size of all files of all granules that have not yet been activated
Total Volume of Data In-Processing	Sum of the size of all files of all granules that are currently active, and not suspended or in a terminal state
Total Ingest Requests Queued	Total number of requests that have not yet been activated
Total Ingest Requests In-Processing	Total number of requests that are currently active, and not suspended or in a terminal state
Total Granules Queued	Sum of all granules in active or queued requests that have not yet been activated
Total Granules In-Processing	Sum of all granules in active or queued requests that are currently active, and not suspended or in a terminal state
Num Suspended Archive File Systems	Total archive file systems that have been suspended, either automatically by the server or manually by operator
Num Suspended Data Pool File Systems	Total data pool file systems that have been suspended, either automatically by the server or manually by operator
Num Suspended ECS Services	Total ECS service hosts that have been suspended, either automatically by the server or manually by operator

ECS Data Pool Ingest GUI Home Page



- The **DPL Ingest Status** section consists of two buttons that enable the user to halt various actions throughout the data pool ingest system
 - **General Ingest Status** button stops polling from all polling locations and prevents any new granules from being activated
 - **Email Service Status** stops any further email notifications

DPL Ingest GUI (OPS) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Favorites Search Email Print Find

Address http://fdpl01.hitc.com:25000/Ingest/faces/EcDlInGuiLogin.jsp;jsessionid=4BE083AB43C60056C22A3CE0CB958A67 Go Links

Num. Suspended Archive File Systems: 0
Num. Suspended Data Pool File Systems: 0
Num. Suspended ECS Services: 0

There is 1 system alert. You can view all system alerts at any time by displaying the [System Alerts](#) page.

DPL Ingest Status

General Ingest Status: active Suspend

Email Service Status: active Suspend

Service Status

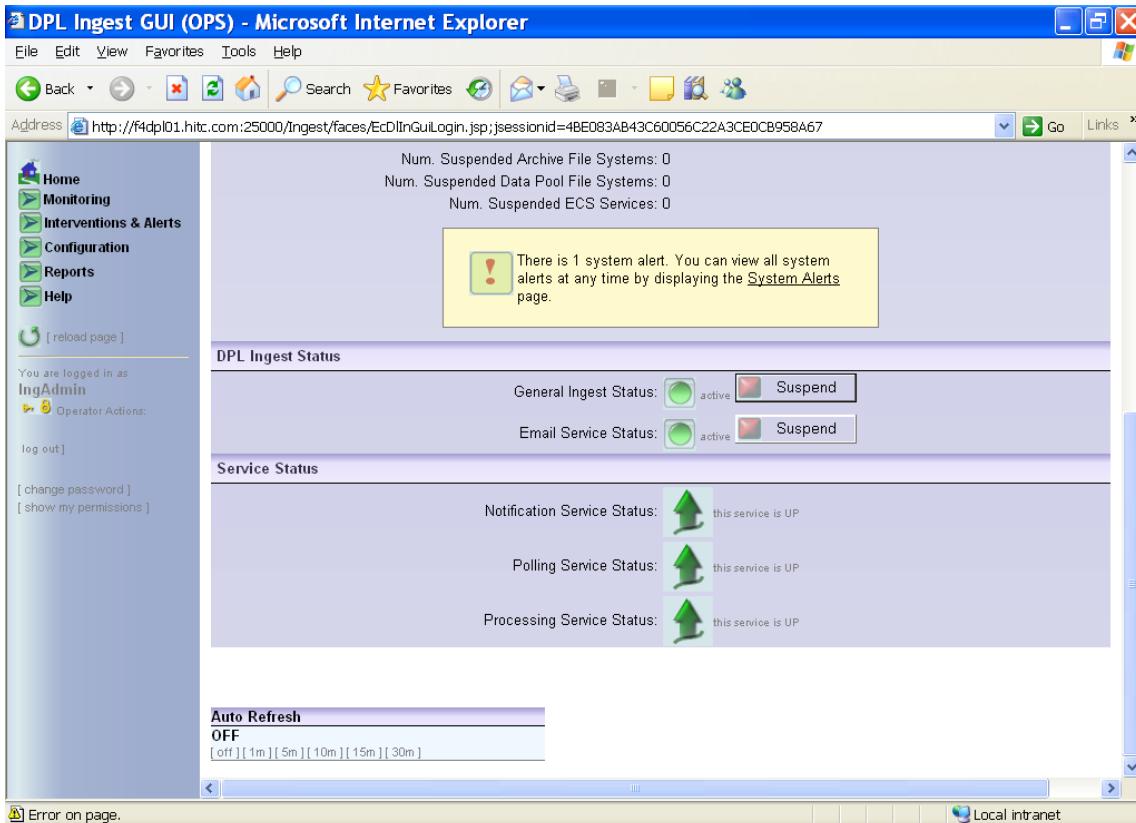
Notification Service Status: this service is UP

Polling Service Status: this service is UP

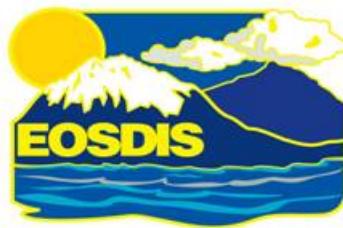
Processing Service Status: this service is UP

Auto Refresh
OFF
[off] [1m] [5m] [10m] [15m] [30m]

Error on page Local intranet



ECS Data Pool Ingest GUI Home Page



- The **Service Status** section provides the status of the three primary services that make up the Data Pool Ingest system
 - **Notification Service Status** - If suspended, no notifications will be sent
 - **Polling Service Status** If suspended, PDRs will not arrive from any configured polling location
 - **Processing Service Status** - If suspended, no actions on any requests or granules will start

DPL Ingest GUI (OPS) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Search Favorites Home

Address: http://fdpl01.hitc.com:25000/Ingest/faces/EcDlInGuiLogin.jsp;jsessionid=4BE083AB43C60056C22A3CE0CB958A67 Go Links

Num. Suspended Archive File Systems: 0
Num. Suspended Data Pool File Systems: 0
Num. Suspended ECS Services: 0

There is 1 system alert. You can view all system alerts at any time by displaying the [System Alerts](#) page.

DPL Ingest Status

General Ingest Status: active Suspend

Email Service Status: active Suspend

Service Status

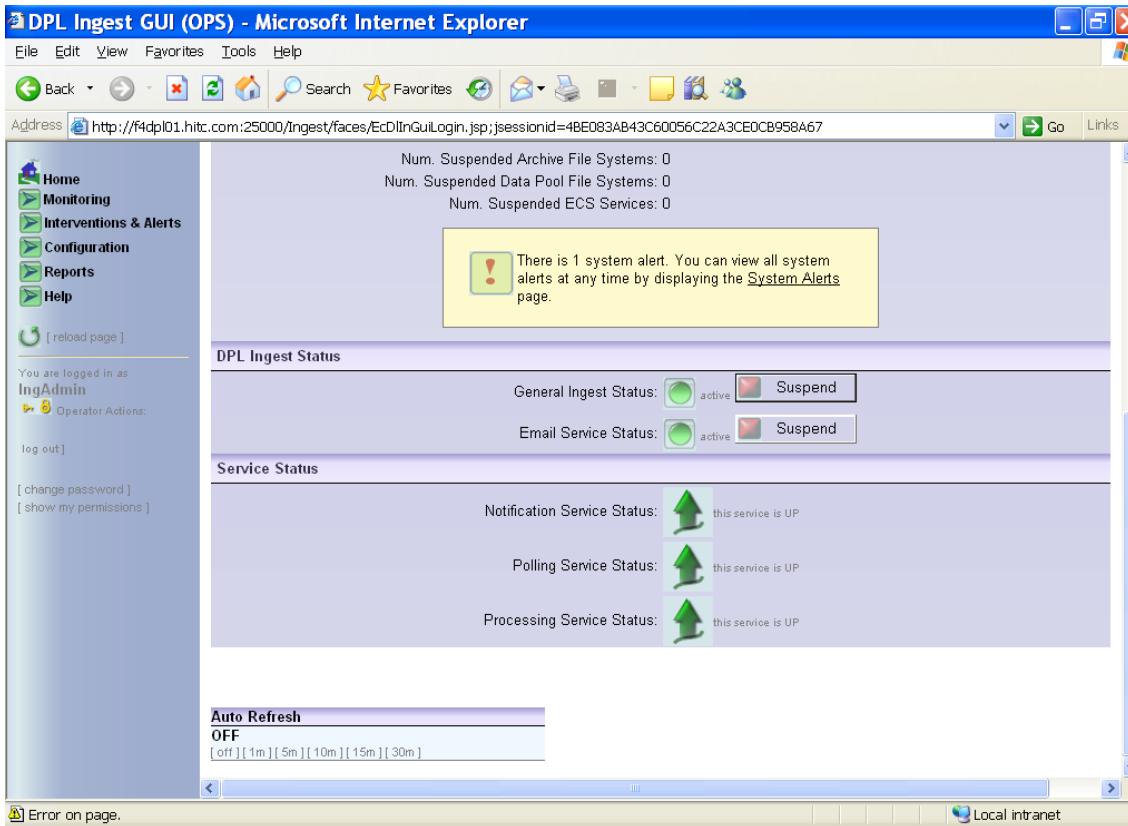
Notification Service Status: this service is UP

Polling Service Status: this service is UP

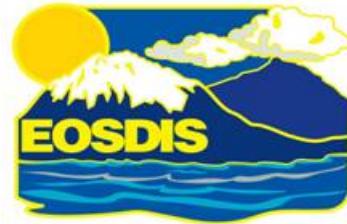
Processing Service Status: this service is UP

Auto Refresh: OFF [off] [1m] [5m] [10m] [15m] [30m]

Error on page. Local intranet

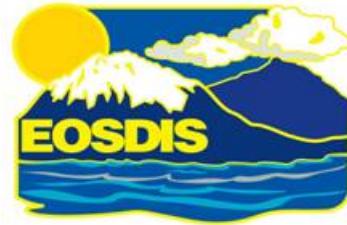


Monitoring Data Pool Ingest



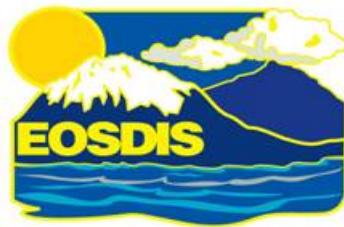
- The following Data Pool Ingest Statuses can be monitored:
 - Requests Status
 - Historical Requests
 - Provider Status
 - File System Status
 - Transfer Host Status
 - ECS Service Status
 - PDR List

Monitoring - Ingest Request Status



- The **Ingest Request** status screen is used to check the status of current active ingest requests. The operator may select any eligible request and perform one of several actions:
 - **Cancel Requests** – This is an irreversible action, there is no way to ‘un-cancel’ a request
 - **Suspend Requests** – Performed only if the selected requests are not already suspended or cancelled
 - Used to stop new granules from being activated
 - **Resume Requests** – This action may be performed only if the selected requests are suspended
 - **Change Priority** of the request(s) –
 - Requests in terminal states cannot have their priority changed
 - A default priority will be assigned to requests based upon the configuration of the request’s provider

Monitoring - Ingest Requests



- Procedure
 - Select the DPL Ingest GUI Monitoring link
 - Select the Requests Status link
 - Click on one of the Request ID's
 - Displays detailed information about the request

DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDlInGuiLogin.jsp;jsessionid=3C6A18777D72069835B21B3161165771 Go Links

Home Monitoring Request Status Historical Requests Provider Status File System Status Transfer Host Status ECS Service Status PDR List Interventions & Alerts Configuration Reports Help

[reload page]

You are logged in as **ingAdmin**

Operator Actions: [log out] [change password] [show my permissions]

DATA POOL INGEST web GUI

Fri Aug 10 2007 11:36:44

Ingest Requests

Show / Hide Filters

[HELP]

Showing 1 - 4 of 4

	Request ID	Status	Priority	Provider Name	Size [MB]	Granules	Completed Processing	When Queued	Last Update
<input type="checkbox"/>	16457	Suspended (InsertErr)	VHIGH	rtian_test	0.691	1	0	2007-08-09 17:47:08	2007-08-09 17:47:13
<input type="checkbox"/>	16456	Successful	VHIGH	rtian_test	0.691	1	1	2007-08-09 17:31:06	2007-08-09 17:31:10
<input type="checkbox"/>	16453	Suspended (PreprocErr)	VHIGH	ASTER_GDS	111.125	2	0	2007-08-09 13:38:28	2007-08-09 13:38:32
<input type="checkbox"/>	16452	Suspended (PreprocErr)	VHIGH	ASTER_GDS	111.125	2	0	2007-08-09 13:30:26	2007-08-09 13:30:29

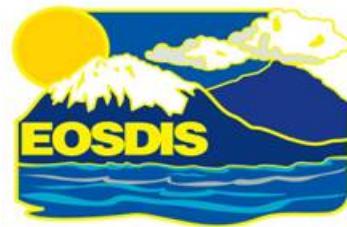
[Cancel Requests] [Suspend Requests] [Resume Requests] [Change Priority]

Error on page.

Local intranet

Monitoring - Ingest Request Status

Page Field Descriptions



Field Name	Description
Request ID	Unique ID for an ingest request
Status	Status of the request (see Table 3 for list of possible statuses)
Priority	The precedence which a request will have for activation and various processing actions.
Provider Name	Name of the provider from which the request was obtained
Size [MB]	Sum of the size of all granules in the request
Granules	Total granules included in the request
Granules Completed Processing	Total granules that have reached a successful state
When Queued	Time the request was encountered by the polling service
Last Update	Time of the last change made by the ingest services to the status of the request or its granules

Monitoring - Ingest Request Status Page Field Descriptions



Request Status	Request Actions			
	Suspend	Cancel / Change Priority	Resume	No Actions Allowed
New		X		
Validated		X		
Active	X	X		
Partially_Suspended		X		
Suspending / Suspended		X	X	
Resuming	X			
Failed				X
Partial_Failure				X
Canceling				X
Partially_Cancelled				X
Successful				X

Monitoring - Changing Request Status Filters



- Procedure
 - Select the DPL Ingest GUI Monitoring link
 - Select the Requests Status link
 - Select the Show/Hide Filters button

Show / Hide Filters [HELP]

Criteria Based Filtering Filter By Request ID

Data Providers: MODAPS_TERRA_FPROC ▾
– SHOW ALL –

Request Detail Criteria: New
Request States ▾ Validated (selected)
Active

– SHOW ALL –
amfs1
snfs1
browfs

Target Archives:

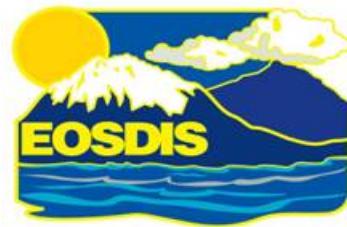
Date Range Criteria:
Last Updated ▾

FROM
month 10 day 25 yr 2006 hr 1 min 0

TO
month 10 day 26 yr 2006 hr 23 min 59

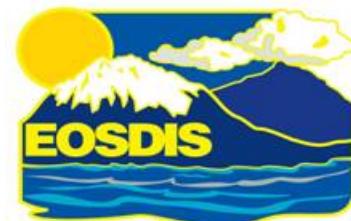
Save As Default Settings [HELP]

Monitoring - Changing Request Status Filters (Cont.)



- **Criteria Based Filtering**
 - Allows filtering the attributes of various requests
 - If you want to filter a single granule ID select Filter By Request ID
- **Filter by Data Provider**
- **Filter by Request State criteria**
 - Selection of this state forces the filter for the Request Detail Criteria to be requests states
- **Error Type**
 - Selection of this state forces the filter for the Request Detail Criteria to be error types
- **Filter by Request Detail Criteria**
- **Filter by Target Archives Criteria**
- **Filter by Date Range Criteria**

Monitoring – Resume, Suspend, Change Priority Of Ingest Requests



- **Procedure**

- Click on the box corresponding to the request to be resumed
- Click on the **Resume, Suspend or Change Priority** button
- Enter the Reason for the change
- Click on the OK button

Cancel/Resume

<input checked="" type="checkbox"/> 14671	Partially_Suspended <small>(XferErr)</small>	HIGH
<input type="button" value="Cancel Requests"/> <input type="button" value="Suspend Requests"/> <input type="button" value="Resume Requests"/>		
Please Enter A Reason For The Change: [Cancel] <input type="text"/>		
<input type="button" value="Continue to Cancel Requests"/>		

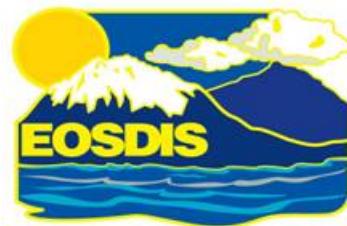
Change Priority

<input type="checkbox"/> Request ID	<input type="checkbox"/> Status	<input type="checkbox"/> Priority	<input type="checkbox"/> Provider Name
<input type="checkbox"/> 14673	Validated	HIGH	MODAPS_TERRA_FPROC
<input checked="" type="checkbox"/> 14672	Active	HIGH	MODAPS_TERRA_FPROC

Please Enter A Reason For The Change: [Cancel]

XPRESS(255)

Monitoring - Ingest Request Detailed Status



DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Print Mail Find People

Address http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDlInGuiLogin.jsp Go Links

Home Monitoring Request Status Historical Requests Provider Status File System Status Transfer Host Status ECS Service Status PDR List Interventions & Alerts Configuration Reports Help [reload page]

You are logged in as IngAdmin Operator Actions: log out [change password] [show my permissions]

Ingest Request Detail

Request Info [Show / Hide]

Request ID: 16457	Status: Suspended	Priority: VHIGH
Polling Location: ingest_poll	Mission:	Size: 0.691 MB
Data Provider: rian_test	Open Intervention: view details	

PDR Path and file name: /datapool/DEV09/user/FS1//pdrs/1000196/500153/46MOD14.A2004001.0000.004.2004003044859.002.hdf.PDF

Last Update: 2007-08-09 17:47:13
When Queued: 2007-08-09 17:47:08
When Activated: 2007-08-09 17:47:08
When Completed:
Expiration Date/Time: 2010-12-31 18:59:59

Granule Statistics:

Total Granules	Granules Preprocessed	Granules Inserted	Granules Transferred	Granules Archived	No. Files
1	100%	0%	100%	100%	2

Status Change History

Status Changed to New	2007-08-09 17:46:59
Status Changed to Validated	2007-08-09 17:47:08

[Error on page.] Local intranet

Monitoring - Ingest Request Detailed Status (Cont.)



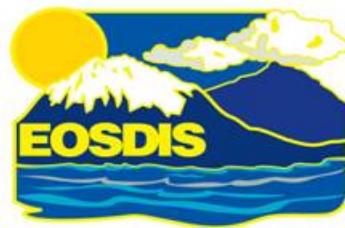
- Any granule(s) encountering problems during any point in their processing are initially flagged as “suspended”
- The following actions may be performed on granules that have been initially suspended:
 - **Retry Selected Granules:** This applies only to granules that are currently suspended
 - **Retry Selected Granules From Start:** This applies only to granules that are currently suspended and retries them from the beginning
 - **Fail Selected Granules:** This applies only to granules that are currently suspended and transitions the granule into the failed state
 - **Cancel Selected Granules:** This applies to granules that are in the New state, Active state, or Suspended state and can be cancelled by selecting this icon
 - If the state is Successful, Failed or any Terminal state, the granule may not be cancelled
 - This action manually fails the granules, marking them ‘canceled’

Monitoring - Historical Requests



- The DPL Ingest Historical Requests provides the following information:
 - A summary of ingest requests that have been processed
 - Detailed granule information about each completed ingest request
 - Ingest request processing statistics to include time required to perform Transfer, Checksum, Preprocess, DPL Insert and Archive.
 - Detailed information about each granule.
- Since the Historical Requests are completed requests, no action can be processed from these pages

Monitoring - Historical Requests (Cont.)



- Procedure
 - Select the DPL Ingest GUI **Monitoring** link
 - Select the **Historical Requests** link
 - Select the **Show/Hide Filters** button

DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Home Print Links

Address http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDIInGuiLogin.jsp Fri Aug 10 2007 13:30:22

DATA POOL INGEST web GUI

Historical Ingest Requests

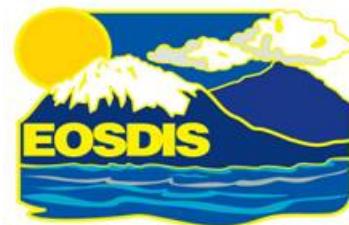
Show / Hide Filters

[HELP] Showing 1 - 20 of 5610 print/save view Page size: 20

RequestId	Status	Priority	Provider Name	Size	No. Granules (No. Successful)	Ingest Method	When Queued	When Proc. Started	When Proc. Completed
7967	Cancelled	VHIGH	1JessicaLocal	24.697	10	DPL	2006-09-12 10:22:37	2006-09-13 08:35:24	
7968	Cancelled (PreprocErr)	VHIGH	1JessicaLocal	24.697	10	DPL	2006-09-12 10:22:36	2006-09-13 08:39:55	
7970	Cancelled	VHIGH	llocal		0	DPL			
7971	Cancelled	VHIGH	lremote		0	DPL			
7972	Cancelled	VHIGH			0	DPL			

Error on page. Local intranet

Monitoring - Historical Requests Details



DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Print Mail Find Copy Paste Links

Address http://f4hel01.hitt.com:25090/Ingest_DEV09/faces/EcDIInGuiLogin.jsp Fri Aug 10 2007 13:38:51 Go

DATA POOL INGEST web GUI

Historical Ingest Request Detail for RequestId 7967

Request Info [Show / Hide]

RequestID: 7967	Status: Cancelled	Priority: VHIGH
Provider: 1JessicaLocal	Size: 24.697 MB	No. Granules: 1 (successful)
Ingest Method: DPL	No. Files: 2	

When Queued: 2006-09-12 10:22:37
When Processing Started: 2006-09-13 08:35:24
When Processing Ended:

Request Timings

Time To Xfer	Time To Checksum	Time To Preprocess	Time To DPL Insert	Time To Archive
23	-	0	-	0

Status Change History

Status	Date	Time
Status Changed to New	2006-09-12	10:22:31
Status Changed to Validated	2006-09-12	10:22:37

Error on page.

Local intranet

Monitoring – Provider Status



- The Provider Status link provides access to the status and information about each configured data provider in the ingest system
 - A List of all configured providers along with general statistics for each provider
 - Provides the status of the provider (i.e. Active, **Suspended by Server**, or **Suspended by Operator**)
 - This is the only changeable field on this page. From this page a provider can be **Resumed** or **Suspended**
 - Provides individual status for polling locations (ie total number of active or suspended polling location)
 - Provides access to detailed provider status that shows individual status of each polling location associated with a provider
 - From this page, an individual polling location can be suspended or resumed accordingly

Monitoring – Provider Status (Cont.)



- **Procedure**
 - Select the DPL Ingest GUI **Monitoring** link
 - Select the **Provider Status** link

The screenshot shows a Microsoft Internet Explorer window displaying the "DPL Ingest GUI (DEV09) - Microsoft Internet Explorer" page. The URL in the address bar is http://f4hel01.hitc.com:25090/Ingest_DEV09/faces/EcDlInGuiLogin.jsp. The page title is "DATA POOL INGEST web GUI". On the left, there is a navigation menu with items like Home, Monitoring (which is selected and highlighted in green), Request Status, Historical Requests, Provider Status (selected and highlighted in green), File System Status, Transfer Host Status, ECS Service Status, PDR List, Interventions & Alerts, Configuration, Reports, Help, and a [reload page] button. A message at the bottom left says "You are logged in as IngAdmin". The main content area is titled "Provider Status" and contains a table with the following data:

	Provider	Status	Polling Locations	Requests Queued	Requests In Process	Granules Queued	Granules In Process
<input type="checkbox"/>	1Lisa_Amser		No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	1Lisa_Modaps_Aqua		No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	1Lisa_Modaps_Terra		No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	4010 Connection Prob		No Polling Locations	0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	AMSR_E_SIPS			0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	ASTER_GDS			0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	ASTER_OSF			0	0	0 (0.000 MB)	0 (0.000 MB)
<input type="checkbox"/>	Bender			0	0	0 (0.000 MB)	0 (0.000 MB)

Monitoring – Provider Status Detail



- **Procedure**

- Click on any **Provider ID**

DPL Ingest GUI (DEV09) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Mail Pictures Address http://f4hel01.hltc.com:25090/Ingest_DEV09/faces/EcDIInGuiLogin.jsp Go Links

Fri Aug 10 2007 13:43:42

Provider Status Detail

General Status

Provider: EDOS

General Status: active Suspend

Requests Queued: 0 (0.000 MB)
Requests In Process: 0 (0.000 MB)

Configured Notification Types

Email: Yes	FTP: No	SCP: No
------------	---------	---------

Polling Locations

<input type="checkbox"/>	Status	Source Polling Path	Host Type	Host Name	Host Status	Address
	Suspend		Resume			

Error on page.

Monitoring – Suspend/Resume Provider



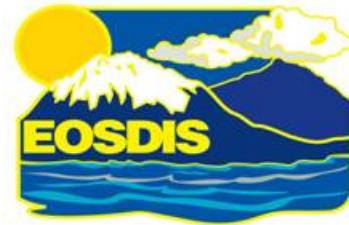
- A provider may be suspended or resumed from the Provider Status page
 - Suspending a Data Provider will stop the activation of Ingest Requests from that Provider
 - Ingest Requests that are already active will be completed
 - Ingest will also stop polling any of the Polling Locations associated with that Data Provider
 - No new Requests from that suspended Data Provider will be queued
 - If a polling cycle is in progress, the cycle will be completed
 - Resuming a Provider will activate Ingest Requests from that provider

Monitoring – Suspend/Resume Polling Location



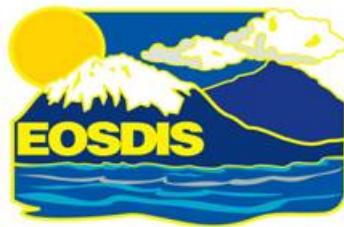
- A provider may be suspended or resumed from the Provider Status page
 - Suspending a Polling Location will stop the activation of Ingest Requests from location
 - Ingest Requests that are already active will be completed
 - Resuming a Polling Location will activate Ingest Requests from location

Monitoring – File System Status



- The **File System Status** page displays the following information on the **Data Pool Archive File Systems** and **Data Pool File Systems**:
 - Name(s) and directory paths for Archive and Data Pool File Systems
 - Provides the statuses of the Archive and Data Pool File Systems
 - Active, Suspended by Operator or Suspended by Server
 - This is the only changeable field on this page
 - From this page Archive and Data Pool File Systems can be Resumed or Suspended
 - Provides File System space threshold metrics

Monitoring – File System Status (Cont.)



- Procedure
 - Select the DPL Ingest GUI **Monitoring** link
 - Select the **File System Status** link

DPL Ingest GUI (OPS) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://f4dpl01.hhtc.com:25100/ingest/faces/EcDlInGuiLogin.jsp;jsessionid=24847620B6A3

Customize Links Free Hotmail Windows Marketplace Windows Media Windows

Functionality Lab Status DPL Ingest GUI (OPS)

Home Monitoring Request Status Historical Requests Provider Status File System Status Transfer Host Status ECS Service Status PDR List Interventions & Alerts Configuration Reports Help [reload page]

You are logged in as IngAdmin Operator Actions: [log out] [change password] [show my permissions]

File System Status

Data Pool File Systems

Name	Status	Free Space	Used Space	Cache Used	Alert Threshold	Queued Granules	Granules Processing
DEFAULT /datapool/OPS/user/FS1/	active	1036GB	6%	66%		0	0.000 MB
FS2 /datapool/OPS/user/FS2/	active	1097GB	0%	86%		0	0.000 MB

Suspend Resume

Archive File Systems

Name	Status	Free Space	Used Space	Cache Used	Alert Threshold	Queued Granules	Granules Processing
XMLArchive /stornext/smallfiles	active	249GB	2%	88%	99%	0 - 0	0 - 0
amfs1 /stornext/amfs1/	active	62GB	74%	76%	80%	0 - 0	0 - 0
browfs /stornext/browfs/	active	198GB	20%	90%	99%	0 - 0	0 - 0

Done

Monitoring – Suspend/Resume File Systems



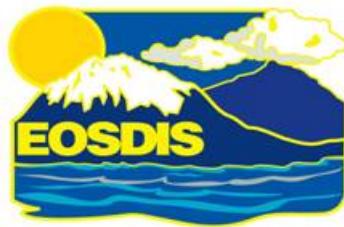
- **Data Pool File System and Archive File System** can be suspended or resumed from the File System Status page
 - Suspending a File System will prevent the occurrence of any activity on the selected File System
 - Resuming a File System will allow activity on a File System to resume

Monitoring – Transfer Host Status



- The Transfer Host Status page shows the status of each configured FTP host and Local Host transfers
 - These hosts can be suspended or resumed manually
 - These hosts can be suspended or resumed by the Data Pool Ingest service
 - An Undefined host is generated when the system does not recognize the node name contained in the PDR

Monitoring – Transfer Host Status (Cont.)



- Procedure
 - Select the DPL Ingest GUI **Monitoring** link
 - Select the **Transfer Host Status** link

A screenshot of the DPL Ingest GUI (DEV08) interface in Microsoft Internet Explorer. The left sidebar shows navigation links: Home, Monitoring (selected), Request Status, Historical Requests, Provider Status, File System Status, Transfer Host Status (selected), ECS Service Status, PDR List, Interventions & Alerts, Configuration, Reports, Help, and a reload page link. A message at the bottom left says "You are logged in as IngAdmin". The main content area has a title bar "DATA POOL INGEST web GUI" and a date "Fri Aug 10 2007 13:50:0". Below this is a "Transfer Host Status" section with a "Existing FTP Hosts" table:

<input type="checkbox"/>	Host Label	Address	Read Status	Write Status	Status By Provider
<input type="checkbox"/>	EDOS_f4eil01	f4eil01.hitc.com	active	active	Provider Name Read Status Write Status
<input type="checkbox"/>	LPDAAC	f4spl01	active	active	Provider Name Read Status Write Status

Below this is a "Status By Provider" table:

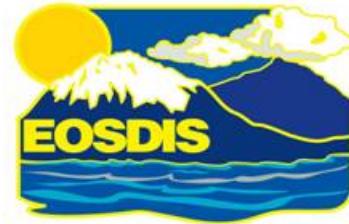
Provider Name	Read Status	Write Status
MODAPS_AQUA_FPROC	suspended by operator	active
MODAPS_COMBINE_FPROC	active	active
MODAPS_TERRA_FPROC	suspended by operator	active

Monitoring – Transfer Host Status (Cont.)



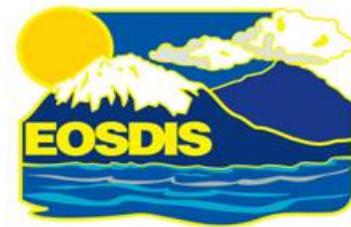
Field Name	Description
Host Label	Label assigned to the host on which the polling location is found
Address	The I.P. address or the canonical name and port number of the host
Read Status	Whether or not read actions (such as polling location listings) are active, suspended by operator, or suspended by server on the host
Write Status	Whether or not write actions (such as transferring notifications) are active or suspended on the host
Status by Provider: Provider Name	Name of a provider with a polling location configured on the host
Status by Provider: Read Status	Whether or not read actions are active or suspended for a specific provider
Status by Provider: Write Status	Whether or not write actions are active or suspended for a specific provider

Monitoring – ECS Service Status



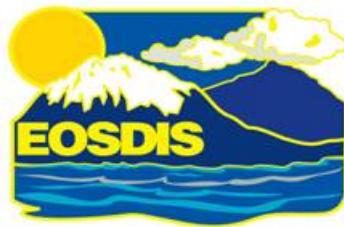
- Non-host services exist only once and are run on the host on which they were installed
- The status columns show a green (active) or red (inactive) icon
 - Science Data Server (SDSRV); Used to validate and insert metadata
 - Used only if SDSVR is configured to be used
 - XML Validation Utility (XVU); XVU Validates incoming XML metadata
 - Inventory Insert Utility (IIU); IIU inserts Browse, PH, QA, DAP and Granule Metadata in to the Inventory DB
 - Data Pool Insert Utility (DPIU); DPIU registers data and populates Db Tables in the Data Pool

Monitoring – ECS Service Status (Cont.)



- Provides status of ECS Services
 - Checksum
 - File Transfer
 - Archive
 - Insert Copy
 - Insert Checksum
- ECS Services can be configured to run on any number of hosts
- The service on each host is independent of the same type of service on the other hosts
 - Checksum on one host may be suspended but may be operating just fine on the other
- ECS services can be suspended or resumed
 - The status columns show a green (active) or red (suspended) icon

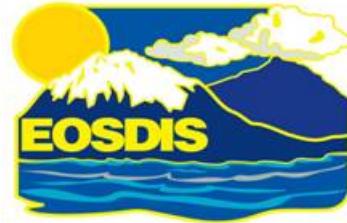
Monitoring – ECS Service Status (Cont.)



- Procedure
 - Select the DPL Ingest GUI **Monitoring** link
 - Select the **ECS Service Status** link

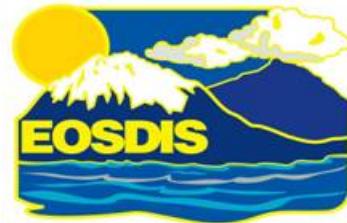
The screenshot shows a Mozilla Firefox browser window displaying the 'DPL Ingest GUI (DEV09)' interface. The main content area is titled 'DATA POOL INGEST web GUI' and shows the 'ECS Services Status'. The status for SDSRV is 'not enabled'. Under 'Non-host Services', there are three hosts listed: f4rl01, f4hel01, and f4spl01. Each host has several service status indicators: Checksum (suspended), File Transfer (suspended), SCP (not enabled), Archive (not enabled), Insert Copy (suspended), Insert Checksum (suspended). Below the host table are 'Suspend' and 'Resume' buttons. At the bottom, there is an 'Auto Refresh' section with a dropdown menu set to 'OFF' and options for 1m, 5m, 10m, 15m, and 30m intervals.

Monitoring – PDR Lists



- The PDR List page lists all active PDRs by Polling Location Name and PDR File Name for all PDRs submitted
 - Once a provider removes the PDR for the provider polling server, the PDR list will be updated to reflect this change.
 - Selecting a PDR from the PDR List allows the operator to re-ingest the data from the selected polling location.

Monitoring – Re-Ingest a PDR



- Procedure
 - Select the DPL Ingest GUI Monitoring link
 - Select the PDR List link
 - Select the PDR(s) to be re-ingested
 - Select Ingest Selected PDRS Again button.

DPL Ingest GUI (OPS) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Customize Links Free Hotmail Windows Marketplace Windows Media Windows

Functionality Lab Status DPL Ingest GUI (OPS)

Mon Feb 25 2008 15:02:34

DATA POOL INGEST web GUI

PDR List

PDR Filter Settings

Data Providers: SHOW ALL

Apply Filter

showing 10538 entries.

Polling Location Name	PDR File Name
BMGT	EDFAutomaticExport.200802511.200802512.2008037124004.000017.PDR
BMGT	EDFAutomaticExport.200802512.200802513.2008037124034.000018.PDR
BMGT	EDFAutomaticExport.200802513.200802514.2008029151831.000019.PDR
BMGT	EDFAutomaticExport.200802514.200802515.2008037123934.000020.PDR
BMGT	EDFAutomaticExport.200802909.200802910.2008029153039.000043.PDR
BMGT	EDFAutomaticExport.200802910.200802911.2008030151350.000044.PDR
BMGT	EDFAutomaticExport.200802917.200802918.2008030151350.000064.PDR
BMGT	EDFAutomaticExport.200802919.200802920.2008030152353.000084.PDR

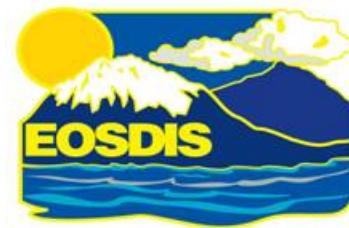
http://f4dp01.hlt.com:25100/Ingest/faces/EcDlInGuPdrList.jsp

Interventions & Alerts



- The **Interventions & Alerts** link provides the operator access to Ingest Requests with open interventions
 - The operator may select any eligible request and either cancel the request(s) or resume the request(s)
- The **Interventions & Alerts** link displays Data Pool System Alerts as they are raised in the DPL database
 - These warn the operator when the Ingest Service runs into a problem that it believes is associated with a resource or service it is using
 - After raising an alert, the Ingest Service will check in regular intervals whether the problem has been resolved and clear the alert if that is the case
 - An alert may also be cleared manually once the operator determined that the problem has been resolved
 - An operator might do that to avoid waiting until the next auto-retry of the resource

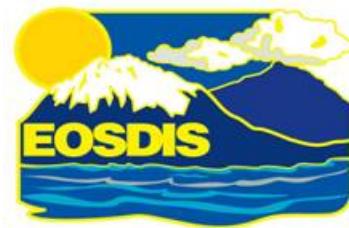
Open Intervention- Ingest Requests Management



- Procedure
 - Select the **Interventions and Alerts** link
 - Select the **Interventions** link
- Open Intervention Management
 - Request ID
 - Provider
 - Intervention Type
 - Worker
 - When Created
 - When Acknowledged
 - Cancel Requests
 - Resume Requests

A screenshot of a web-based application window titled "DFI Ingest GUI (DEV09) - Mozilla Firefox". The main content area is titled "DATA POOL INGEST" and "Open Interventions". On the left, there is a navigation menu with items like Home, Monitoring, Interventions & Alerts (which is selected), Alerts, Configuration, Reports, and Help. Below the menu, there's a message about the request being replicated. The central part of the screen shows a table titled "Open Intervention Management" with one row of data. The columns are Request ID (50000), Provider (DOIT), Intervention Type (SiteEx), Worker (None), When Created (2007-01-30 16:22:36), and When Acknowledged (2007-02-01 13:41:54). Below the table are buttons for "Cancel Requests" and "Resume Requests". Underneath the table, there's a section for "Intervention Related Configuration" with parameters like NOTIFY_INTERV_EMAIL_ADDRESS and SEND_INTERVENTION_EMAILS, along with their descriptions and current values. At the bottom, there are "Apply Changes" and "Cancel Changes" buttons, and a "Done" button.

Open Intervention- Ingest Requests Management (Cont.)



Field Name	Description
Request ID	Unique Data Pool Ingest identifier assigned to the request in intervention
Provider	Name of the provider from which the request was obtained
Intervention Type	Type of error encountered during processing of at least one of the request granules (if there are multiple error types encountered in a single request, the type will be “MULTIPLE”)
Worker	Name of a worker assigned to address the intervention
When Created	Time the intervention was generated (which may have been after several retries after the error was first encountered)
When Acknowledged	Time the intervention was first viewed by an operator

Open Intervention- Intervention Related Configuration



- **Procedure**
 - Select the **Interventions and Alerts** link
 - Select the **Interventions** link

- **Open Intervention Management**

- Parameter Name
- Parameter Description
- Parameter Value
- Apply Changes
- Cancel Changes

A screenshot of a web-based application window titled "DATA POOL INGEST - 0014". The left sidebar includes links for Home, Monitoring, Interventions & Alerts, Administration, Configuration, Reports, and Help. The main content area has a header "Open Interventions". Below it is a table titled "Open Intervention Management" with columns: Request ID, Provider, Intervention Type, Worker, When Created, and When Acknowledged. One row is visible with Request ID 50000, Provider DOET, Intervention Type SiteEx, Worker null, When Created 2007-01-30 16:22:36, and When Acknowledged 2007-03-01 13:41:54. Below the table are buttons for "Cancel Requests" and "Resume Requests". A section titled "Interventions Related Configuration" lists parameters: NOTIF_INTERV_EMAIL_ADDRESS (Email address for sending periodic interventions and alerts) with value cmospo_earth@yahoo.com, and SEND_INTERVENTION_EMAILS (Indicates whether to send an email for intervention). At the bottom are "Apply Changes" and "Cancel Changes" buttons, and a "Done" button.

Open Intervention- Change E-Mail Configuration



- **Procedure**

- Enter the e-mail address in the **NOTIFY_INTERV_EMAIL_ADDRESS**
- Click on **SEND_INTERVENTION_EMAIL** field
- Click on **Apply Changes** button

A screenshot of a web-based application titled "Open Intervention Management". The interface includes a left sidebar with navigation links like Home, Monitoring, Interventions & Alerts, Configuration, Reports, and Help. The main content area shows a table of "Open Interventions" with columns for Request ID, Provider, Intervention Type, Worker, When Created, and When Acknowledged. A single row is selected, showing Request ID 50000, Provider ODIS, Intervention Type InfoEx, Worker null, When Created 2007-01-30 16:22:36, and When Acknowledged 2007-02-01 13:41:54. Below the table, there's a section for "Intervention Related Configuration" with parameters: NOTIFY_INTERV_EMAIL_ADDRESS (Email address for sending notifications and alerts) set to "odis@odis.com", and SEND_INTERVENTION_EMAIL (Indicates whether to send an email for interventions) checked. At the bottom, there are "Apply Changes" and "Cancel Changes" buttons. The status bar at the bottom of the browser window shows "Done" and "Status: 200 OK".

Open Intervention- Cancel/Resume Request



- **Procedure**
 - In the **Open Intervention Management** section click on the box next to the request to be resumed/cancelled
 - Click on the **Resume** button
 - Processing for all granules currently suspended will be resumed
or
 - Click on the **Cancel** button
 - Processing for all granules will be terminated
 - This action is irreversible

Open Intervention- Detailed Page



- The **Interventions Detail** page is the operator's link to taking action on specific granules that have been intervened
 - In the **Open Intervention Management** section click on the box next to the request to be resumed/cancelled
 - The Request information contained in the Open Intervention page is listed at the top of the page
 - A list of granule(s) along with detailed information is displayed at the bottom of the page
 - An Operator Intervention remains open as long as there are suspended granules
 - Once all granules issues have been resolved, the Operator Intervention status will automatically be removed

Open Intervention- Detailed Page (Cont.)



- **Procedure**

- Select the **Interventions and Alerts** link
- Select the **Interventions** link
- Click on **Request ID**

DPL Ingest GUI (DPS) - Mozilla Firefox

http://192.168.0.122:22900/ingest/faces/frameIndex.jsp

Open Intervention Detail

Intervention Info [Show / Hide]

RequestId: 14921 | View details | Provider: JPL | Status: Suspended | Priority: NORMAL | Intervention Type: MULTIPLE | Size: 24.598 MB | No. Granules: 4 (0% completed)

Worked By: James Pino | Update Status

Intervention Creation Date/Time: 2006-10-30 11:53:51 | Intervention Acknowledgment Date/Time: 2006-10-30 11:54:58 | When Outed: 2006-10-30 11:53:42 | When Processing Started: 2006-10-30 11:53:44

Operator Notes

Added 2006-10-30 11:56:05 by IngAdmin | Multiple errors encountered during request processing. Assigned to James Pino for analysis. Granules will be cancelled and resubmitted pending approval by supervisor.

Added 2006-10-30 12:06:20 by IngAdmin | It has been decided that the granules cannot be processed and will be failed instead of cancelled.

Add annotation... | Add note...

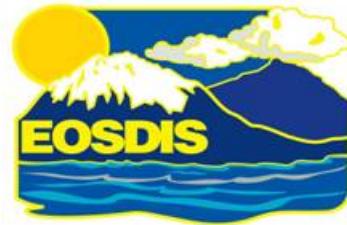
Granule List Showing 1 - 4 Of 4

File Detail	Seq	Ingest Gran. ID	Data Type	Version	Status	Granule Size (MB)	No. Files
[Unknown]	1	15000000000388	M0029P1D	86	Suspended	6.148	2
[Unknown]	3	15000000000390	M0029P1D	86	Successful	6.148	2
[Unknown]	4	15000000000391	M0029P1D	86	Successful	6.144	2
[Unknown]	2	15000000000389	M0029P1D	86	Provisional	6.144	2

Metadata validation failed with error: Metadata validation failed with reason: Failure reason: Error obtaining INVENTORY/METADATA from the descriptor, Failed by Operator

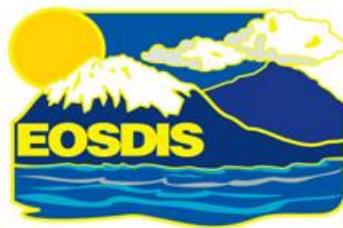
Done

Open Intervention- Changing Granule Status



- The **Interventions Detail** page is the operator's link to taking action on specific granules that have been intervened
- A list of granule(s) along with detailed information is displayed at the bottom of the page
 - An Operator Intervention remains open as long as there are suspended granules
 - The operator can take one of several actions to 'close' the intervention
 - The suspended granules can be failed
 - The suspended granules can be retried in one of two ways
 - Retry Granules
 - The granule is retried from the last point of processing
 - Retry Granules From Start
 - The granule is retried from the start of processing, no matter where in the processing chain it failed
 - The suspended granule(s) can be canceled

Open Intervention- Changing Granule Status (Cont.)



- **Procedure**

- Select the **Interventions and Alerts** link
- Select the **Interventions** link
- Click on **Request ID**
- Click on the appropriate button
 - Fail Selected Granules
 - Retry Selected Granules
 - Retry Selected Granules From the Start
 - Cancel Selected Granules

Alerts – Viewing System Alerts



- **Procedure**
 - Select the **Interventions and Alerts** link
 - Select the **Alerts** link
- **Alert Management**
 - Alert Details
 - Alert Description
 - Alert Type
 - Resource
 - Resource Type
 - Creation Time

A screenshot of a Mozilla Firefox browser window displaying the "DPL Ingest GUI (DEV09)" interface. The title bar shows "DPL Ingest GUI (DEV09) - Mozilla Firefox". The left sidebar has a tree view with nodes: Home, Monitoring, Interventions & Alerts (which is selected and highlighted in green), Interventions, Alerts, Configuration, Reports, and Help. A message at the bottom of the sidebar says "You are logged in as IngAdmin". The main content area has a banner "DATA POOL INGEST web GUI" and the date "Thu Feb 1 2007 13:50:40". Below the banner is a section titled "Alerts" with a "Show / Hide Filters" button. The central part of the screen is titled "Alert Management" and contains a table with one row of data. The table columns are: Alert Details, Alert Description, Alert Type, Resource, Resource Type, Server Name, and Creation Time. The single row of data shows: [show/hide] Failure to connect with an ECS SRVC_CANNOT_CONNECT 14M01 FILE_TRANSFER Processing 2007-01-30 16:21:54. Below the table is a "Close Alerts" button. The bottom section is titled "Alert Related Configuration" and includes two rows of configuration parameters: "ALERT_EMAIL_ADDRESS" (Parameter Description: Email address to which alert emails will be sent, Value: cmops_edt@yahoo.com) and "SEND_ALERT_EMAILS" (Parameter Description: Indicates whether sending alert emails is active, Value: checked). At the bottom are "Apply Changes" and "Reset" buttons. The status bar at the bottom of the browser window shows the URL "http://localhost:8004/INGEST_GUI/Faces/TcDltnguiAlerts.jsp".

Alerts – Viewing System Alerts (Cont.)



- Alert Related Configuration
 - Parameter Name
 - Parameter Description
 - Parameter Value

The screenshot shows a Mozilla Firefox browser window displaying the "DPL Ingest GUI (DEV09)" interface. The left sidebar has a tree view with nodes: Home, Monitoring, Interventions & Alerts (which is selected and highlighted in green), Interventions, Alerts, Configuration, Reports, and Help. A message at the bottom of the sidebar says "You are logged in as IngAdmin". Below the sidebar is a toolbar with links for Operator Actions (log out, change password, show my permissions), a reload page button, and a "Close Alerts" button.

The main content area has a banner "DATA POOL INGEST web GUI" and the date "Thu Feb 1 2007 13:50:40". Below the banner is a section titled "Alerts:" with a "Show / Hide Filters" button. The "Alert Management" section lists one alert:

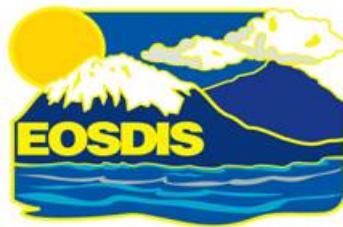
Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
[show/hide]	Failure to connect with an ECS SRVC_CANNOT_CONNECT 14M01 FILE_TRANSFER Processing service					16:21:54

The "Alert Related Configuration" section contains two entries:

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edt@yahoo.com
SEND_ALERT_EMAILS	Indicates whether sending alert emails is active	<input checked="" type="checkbox"/>

At the bottom of this section are "Apply Changes" and "Reset" buttons. The status bar at the bottom of the browser window shows the URL "http://localhost:8004/INGEST_GUI/Faces/TcEditGuAlerts.jsp".

Alert - Change Alert E-Mail Configuration



- **Procedure**

- Enter the e-mail address in the **ALERT_EMAIL_ADDRESS**
- Click on **SEND_ALERTS_EMAIL** field
- Click on **Apply Changes** button

The screenshot shows the DPL Ingest GUI (DEVO9) running in Mozilla Firefox. The left sidebar has a tree view with nodes like Home, Monitoring, Interventions & Alerts (which is expanded), Interventions, Alerts, Configuration, Reports, and Help. A message at the bottom says "You are logged in as IngAdmin". The main area is titled "Alert Management". It shows a table with one alert entry:

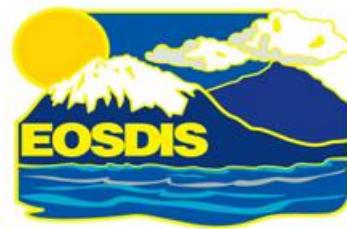
	Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
<input type="checkbox"/>	[Show details]	Failure to connect with an ECS	SRVC_CANNOT_CONNECT	I4M01	FILE_TRANSFER	Processing	2007-01-30 16:21:54

Below the table is a "Close Alerts" button. At the bottom of the page is an "Alert Related Configuration" section with two rows:

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edf@yahoo.com
SEND_ALERT_EMAILS	Indicates whether sending alert emails is active	<input checked="" type="checkbox"/>

At the bottom are "Apply Changes" and "Reset" buttons. The status bar at the bottom of the browser window shows the URL: http://localhost:8004/INGEST_GUI/faces/EcdlnGuAlerts.jsp.

Alerts – Viewing Detail System Alerts Information



- **Procedure**
 - Select the **Interventions and Alerts** link
 - Select the **Alerts** link
 - Click on the **Show/Hide**
- **Alert Details**
(If Resource type is archive or file system)
 - Symptom
 - Data Providers affected
 - Number of PDRs
 - Number of Granules
 - Total amount of data queued
 - Total amount of data processing

The screenshot shows the 'Alert Management' section of the DPL Ingest GUI. It lists a single alert entry:

Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
<input type="checkbox"/>	Failure to connect with an ECS SRVC_CANNOT_CONNECT	HMO1	FILE_TRANSFER	Processing	cmops_edt@yahoo.com	2007-01-30 16:21:54

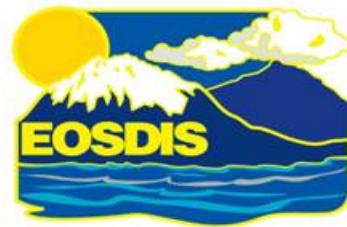
Below the table, there is an 'Alert Related Configuration' section with two parameters:

Parameter Name	Parameter Description	Parameter Value
ALERT_EMAIL_ADDRESS	Email address to which alert emails will be sent	cmops_edt@yahoo.com
SEND_ALERT_EMAILS	Indicates whether sending alert emails is active	<input checked="" type="checkbox"/>

Buttons for 'Apply Changes' and 'Reset' are present. At the bottom, there is an 'Auto Refresh' button and a URL bar showing http://localhost:8004/INGEST_GUI/faces/EditInGuAlerts.jsp.

Alert Details	Alert Description	Alert Type	Resource	Resource Type	Creation Time
<input type="checkbox"/> <input checked="" type="button" value="Show Hide"/>	<p>The error response indicates that the file system is down Symptom : Error DPL file system: /datapool/DEV01/user/FS3/ is down. Impact : Data Providers affected : None Number of PDRs : 0 Number of granules : 0 Total amount of data queued : 0.000 MB Total amount of data processing : 0.000 MB</p>	DPL_FS_DOWN	FS3	DPL_FILE_SYSTEM	2006-10-27 08:44:21

Alerts – Clearing an Alert

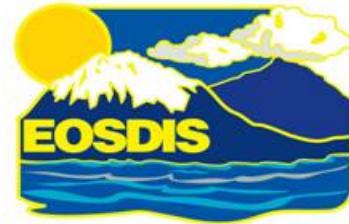


- Procedure
 - Select the **Interventions and Alerts** link
 - Select the **Alerts** link
 - Click on **Alert (s)** to be cleared
 - Click on the **Close Alert** button
 - Select **OK** to the Confirmation prompt

A screenshot of the DPL Ingest GUI (Mozilla Firefox) showing the "Alert Management" section. The left sidebar has links for Home, Monitoring, Interventions & Alerts (which is selected), Configuration, Reports, and Help. The main area shows a banner for "DATA POOL INGEST web GUI" and the date "Thu Feb 1 2007 13:50:40". Below this is a "Show / Hide Filters" button and an "Alert Management" table. The table has columns for Alert Details, Alert Description, Alert Type, Resource, Resource Type, Server Name, and Creation Time. One alert is listed: "Failure to connect with an ECS" (SRVC_CANNOT_CONNECT) from "HR01" (FILE_TRANSFER) service, created at 2007-01-30 16:21:54. A "Close Alerts" button is below the table. At the bottom, there's an "Alert Related Configuration" section with fields for ALERT_EMAIL_ADDRESS (cmops_edf@yahoo.com) and SEND_ALERT_EMAILS (checked). Buttons for "Apply Changes" and "Reset" are present. An "Auto Refresh" button is at the bottom left, and the URL "http://localhost:8004/INGEST_GUI/faces/EcBInGuAlerts.jsp" is at the bottom center.

Alert Details	Alert Description	Alert Type	Resource	Resource Type	Server Name	Creation Time
[show/hide]	Failure to connect with an ECS	SRVC_CANNOT_CONNECT	HR01	FILE_TRANSFER	Processing	2007-01-30 16:21:54

Modifying Configurations



- The DPL Ingest Configuration pages provide the full-capability operator with a means of modifying (if necessary) the values assigned to the following types of DPL Ingest configuration parameters:
 - Providers
 - Data Types
 - Transfer Hosts
 - File Systems
 - ECS Services
 - Global Tuning
 - Volume Groups
 - Operators

Modify Configuration Providers

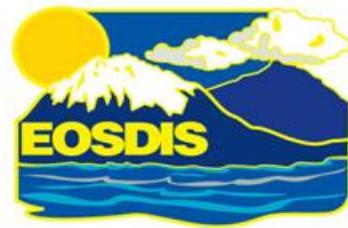


- The Provider Configuration page lists all of the Data Providers for the DPL Ingest System along with the following selected attributes for each Provider
 - Checksum Mandatory
 - % Files To Checksum
 - Default Priority
 - Notification Method
- Providers can be selected, edited and removed

A screenshot of a web browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The URL is "http://192.168.1.100:8080/dpl-ingest-web-gui". The page displays a "Provider Configuration" table with the following data:

<input type="checkbox"/>	Provider	Checksum Mandatory	% Files To Checksum	Default Priority	Notification Method
<input type="checkbox"/>	AMSR_E_SPS	■	100%	NORMAL	FTP
<input type="checkbox"/>	ASTER_GDS	■	100%	VHIGH	EMAIL
<input type="checkbox"/>	ASTER_OSE	□	100%	NORMAL	FTP
<input type="checkbox"/>	DODST	□	100%	NORMAL	EMAIL
<input type="checkbox"/>	ECSBIAExpert	□	0%	VHIGH	EMAIL
<input type="checkbox"/>	EOOS	■	100%	VHIGH	EMAIL
<input type="checkbox"/>	ICESAT	■	100%	NORMAL	FTP
<input type="checkbox"/>	JPL	□	100%	NORMAL	FTP
<input type="checkbox"/>	MODAPS_AQUA_FPROC	■	100%	NORMAL	EMAIL,FTP
<input type="checkbox"/>	MODAPS_COMBINE_FPROC	■	100%	NORMAL	FTP
<input type="checkbox"/>	MODAPS_TERRA_FPROC	■	100%	NORMAL	EMAIL
<input type="checkbox"/>	NSIDC_DAAC	□	100%	NORMAL	EMAIL
<input type="checkbox"/>	S4P00	□	100%	NORMAL	EMAIL

Modifying Configuration – Edit Provider



- **Procedure**

- **Select the Configuration link**
- **Select the Providers link**
- **Click on the Provider ID**
- **Click on the parameter to be changed and make the change**
- **Select the Apply Changes button**
- **Select OK to the Confirmation prompt**

The screenshot shows a Mozilla Firefox browser window titled 'DPL Ingest GUI (DEV08) - Mozilla Firefox'. The URL is 'http://f4hel01.hitc.com:22500/Ingest_DEV08/faces/EcDlInGuLogin.jsp'. The main content area is titled 'Edit a Provider'. On the left, there is a navigation sidebar with links like Home, Monitoring, Interventions & Alerts, Configuration (which is selected), Providers, Data Types, Transfer Hosts, File Systems, ECS Services, Global Tuning, Volume Groups, Operators, Reports, and Help. Below the sidebar, it says 'You are logged in as IngAdmin' with options to log out, change password, or view permissions. The main form fields include:

- Name: MODAPS_AQUA_FPROC
- Provider Type: Polling with DR
- Checksum Mandatory:
- % Files to Checksum: 100 [0-100]
- Default Priority: VHIGH(235)
- Preprocessing Type: SIPS
- Max Active Data Volume: 3750.000 MB [help]
- Max Active Granules: 30 [help]
- Transfer Type: Ftp [help]
- Read Info:
 - Read Login ID: ins
 - Edit Password:
- FTP Mode: Passive
- Notification Method: Email And Ftp
- E-Mail Info:
 - E-Mail address: cmde08@yahoo.com
- Write Info

Modifying Configurations – Edit Polling Location



- **Procedure**

- **Select the Configuration link**
- **Select the Providers link**
- **Click on the Provider ID**
- **Scroll to bottom of information panel**
- **Click on the Polling Location Name**
- **Update information as appropriate**
- **Select the Apply Changes button**
- **Select OK to the Confirmation prompt**

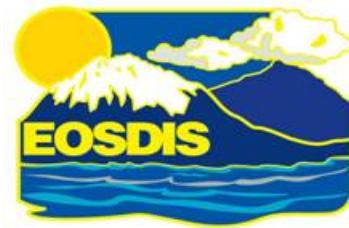
Existing Polling Locations		
	Name	Address
<input type="checkbox"/>	Polling_AMSR_E_SIPS	f4ei01
<input checked="" type="checkbox"/>	Remove Selected Polling Locations	

Edit a Polling Location

Parent Provider: MODAPS_TERRA_FPROC
Polling Location Name: Polling_MODAPS_TERRA_FPROC [help]
Source Polling Path: /usr/ecs/OPS/CUSTOM/data/dplInge [help]
Polling Frequency: 120 [seconds] [help]
DPL Ingest Enabled:
Polling Method: FTP Host [help]
Host Name: LPDAAC [help]

Name:	LPDAAC
FTP Mode:	PASSIVE
Address:	Bdrg01
Max FTP Operations:	30
Timeout:	yes (300s)
Auto Retry:	yes (30s)

Modifying Configuration – Add a Provider



- The Provider Configuration page lists all of the Data Providers for the DPL Ingest System along with the following selected attributes for each Provider
- New Providers can be added from this page, by selecting the Add Provider button

The screenshot shows a Mozilla Firefox browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The URL is "http://192.168.1.100:8080/dpl-ingest-webui/index.jsp". The page is titled "DATA POOL INGEST web UI". On the left, there is a navigation menu with the following items:

- Home
- Monitoring
- Interventions & Alerts
- Configuration
 - Providers
 - Data Types
 - File Transports
 - File Systems
 - ECS Services
 - Global Tuning
 - Volume Groups
 - Operators
- Reports
- Help

A message on the left says "You are logged in as **sysadmin**". Below the menu, there is a sidebar with links: "Logout", "Change Password", and "Show my permissions". The main content area is titled "Provider Configuration". It contains a table with the following data:

Provider	Checksum Mandatory	% Files To Checksum	Default Priority	Notification Method
AMSR_E_SPS	Green checkmark	100%	NORMAL	FTP
ASTER_GOS	Green checkmark	100%	VHIGH	EMAIL
ASTER_QSF	Red X	100%	NORMAL	FTP
DUST	Red X	100%	NORMAL	EMAIL
ECSbulkExport	Red X	0%	VHIGH	EMAIL
EDOS	Green checkmark	100%	VHIGH	EMAIL
ICESAT	Green checkmark	100%	NORMAL	FTP
JPL	Red X	100%	NORMAL	FTP
MODAPS_AQUA_FPROC	Green checkmark	100%	NORMAL	EMAIL/FTP
MODAPS_COMBINE_FPROC	Green checkmark	100%	NORMAL	FTP
MODAPS_TERRA_FPROC	Green checkmark	100%	NORMAL	EMAIL
NSIDC_DAAC	Red X	100%	NORMAL	EMAIL
SAP00	Red X	100%	NORMAL	EMAIL

At the bottom of the table, there are two buttons: "Remove Selected Providers" and "Add A Provider...".

Modifying Configuration – Add a Provider (Cont.)



- **Procedure**
- **On the Add a Provider page enter the following Data Provider parameters**
 - Enter the Name
 - If EDOS, select EDOS from the Provider Type box. This will automatically lock in certain parameters (ie, Preprocessing Type – None, Transfer Type- FTP Only)
 - If EMOS, select Polling Without DR from the Provider Type box. Checksum is not performed for this data, Preprocessing Type is automatically set to None

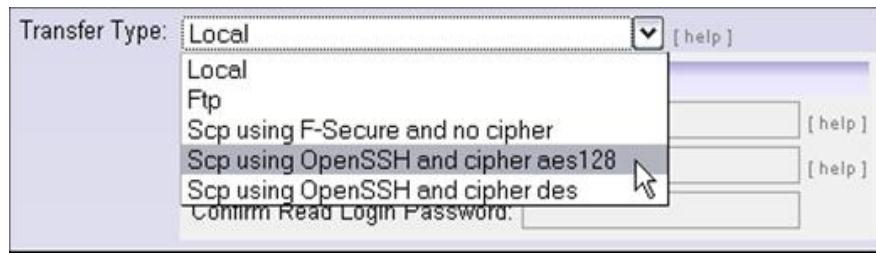
The screenshot shows a Mozilla Firefox browser window with the URL http://f4hel01.hitc.com:22500/Ingest_DEV08/faces/EcDlInGuilLogin.jsp. The main content area displays the 'Add a Provider' form. On the left, a sidebar menu under 'Configuration' includes options like Providers, Data Types, Transfer Hosts, File Systems, ECS Services, Global Tuning, Volume Groups, Operators, Reports, and Help. A message at the bottom of the sidebar says 'You are logged in as IngAdmin'. The main form fields include:

- Name: [empty input]
- Provider Type: Polling with DR (selected from a dropdown)
- Checksum Mandatory:
- % Files to Checksum: 0 [0..100]
- Default Priority: VHIGH(235)
- Preprocessing Type: SIPS (selected from a dropdown)
- Max Active Data Volume: 0.000 MB
- Max Active Granules: 0
- Transfer Type: Local (selected from a dropdown)
 - Read Info
 - Read Login ID: [empty input]
 - Read Login Password: [empty input]
 - Confirm Read Login Password: [empty input]
 - FTP Mode: Passive (selected from a dropdown)
 - Notification Method: Email Only (selected from a dropdown)
 - E-Mail Info
 - E-Mail address: [empty input]
- Add This Provider (button)
- Reset (button)

Modifying Configuration – Add a Provider (Cont.)



- **Procedure (Cont.)**
 - Select **Checksum Mandatory**
 - Enter **% Files To Checksum**
 - Enter **Default Priority**
 - Low, Normal, High, VHigh, Xpress
 - Select **Preprocessing Type**
 - **NONE**
 - **SIPS**
 - **DDIST**
 - Enter **Max Active Data Volume**
 - Enter **Max Active Granules**
 - Select **Transfer Type**
 - **Local**
 - **FTP**
 - **Scp using F-Secure and no cipher**
 - **Scp using F-Secure and cipher aes128**
 - **Scp using F-Secure and cipher des**



Modifying Configuration – Add a Provider (Cont.)



- **Procedure (Cont.)**
 - **Select Notification Method**
 - Email Only
 - FTP Only or SCP Only
 - FTP Host
 - Local
 - **Select Add This Provider**
 - **Select OK to confirm**

The screenshot shows the 'Edit a Provider' configuration page in the JPL Ingest GUI. The provider is named 'JPL'. Configuration settings include:

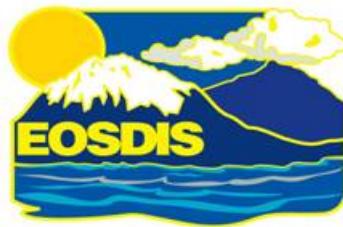
- EDOS:
- Checksum Mandatory:
- % of Checksum Files: 100
- Default Priority: XPRESS(255)
- Preprocessing Type: SIPS
- Max Active Data Volume: 37500.000 MB (help)
- Max Active Granules: 30
- Transfer Type: Local
- Notification Method: Ftp Only

Below these settings are sections for 'Write Info' and 'Read Info'. Under 'Write Info', there is a 'Choose Host' dropdown set to 'NSIDC' with a table below it containing host details:

Name: NSIDC
FTP Mode: ACTIVE
Address: 140.01
Max FTP Operations: 4
Timeout: yes (300s)
Auto Retry: yes (300s)

Under 'Read Info', there is a 'Read Info' section with fields for 'Read Login Id' and 'Edit Password'.

Modifying Configurations – Add a Polling Location



- **Procedure**

- Select the **Provider** name
- Scroll to the bottom of the page and select the **Add A Polling Location** button
- Enter the **Polling Location Name**
- Enter the **Source Polling Path**
- Enter the **Polling Frequency**
- Choose the **Polling Method**
 - Local Disk, FTP Host, SCP Host
- Enter **New Host Parameters**
 - Label, Address
- Select **Add Polling Location** button
- Select **OK** to the Confirmation prompt

Existing Polling Locations		
	Name	Address
<input type="checkbox"/>	Polling_AMSR_E_SIPS	f4eil01
<input checked="" type="checkbox"/>	Remove Selected Polling Locations	<input type="button" value="Add A Polling"/>

DPL Ingest GUI (DEVO8) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://f4eil01.hltc.com:25080/Ingest_DEVO8/faces/EcDlInGuiLogin.jsp

Back Home Stop Search Favorites Mail Help Links Go

Add a Polling Location

Parent Provider: EXP_EDOS

Polling Location Name: [help]

Source Polling Path: [help]

Polling Frequency: [seconds] [help]

DPL Ingest Enabled:

Polling Method: FTP Only

Host Name: [help]

New Host Parameters

Label: [the label for this host]

Address: [the DNS name or IP address and port]

Max. Operations: 5 [max. concurrent Operations]

Timeout: [enable host timeout]

Expected Throughput: 3,000 [Minimum expected throughput, in MB/s]

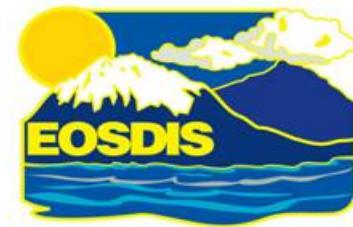
Pad Time: 30 [seconds]

Auto Retry: [enable automatic retry when host is suspended]

Retry Interval: 120 [seconds]

Loc 6 of 24 - Clipboard Item collected

Modifying Configurations – Data Type Default Retention



- **Procedure**

- Select the Configuration link
- Select Data Types link
- Enter the Default DPL Retention Value

or

- Enter the Default Hidden DPL Retention Value
- Select Apply Changes button
- Select OK to the Confirmation prompt

DPL Ingest GUI (TS2) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://f4dpl01.hltc.com:25021/ingest_TS2/faces/EcDlInGuiLogin.jsp

Instant Message Instant Message WebMail Members Connections BizJournal SmartUpdate Mktplace Google

Functionality Lab Status Functionality Lab Status Functionality Lab Status DPL Ingest GUI (TS2)

Home Monitoring Interventions & Alerts Configuration Providers Data Types Transfer Hosts File Systems ECS Services Global Tuning Volume Groups Operators Reports Help [reload page]

You are logged in as IngAdmin Operator Actions: [log out] [change password] [show my permissions]

DATA POOL INGEST web GUI

Wed Oct 3 2007 14:17:15

Data Type Configuration

Default Data Type Configurations

Parameter Name	Description	Value
DEFAULT_DPL_RETENTION	Default Data Pool retention time if no specific time exists for an esdt	10 [Days]
DEFAULT_HIDDEN_DPL_RETENTION	Default hidden Data Pool retention time if no specific time exists for an esdt	10 [Hours]

[Apply Changes] [Reset]

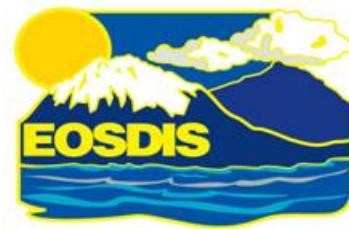
Data Types With DPL Ingest Configurations [HELP]

View/Configure Additional Data Types...

Short Name, Version	Public In Data ID	Ignore Validation Warnings	Public Priority	Public Retention Time (days)	Hidden Retention Time (hours)
AE_L2A.086	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	1	-
AE_Land.086	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	1	-
AE_Ocean.086	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	1	-

http://f4dpl01.hltc.com:25021/ingest_TS2/faces/EcDlInGuDataConfig.jsp

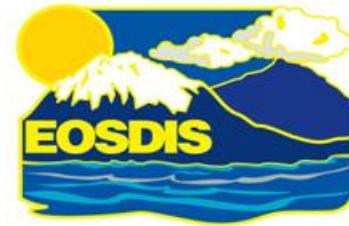
Modifying Configurations – Data Type Attributes



• Procedure

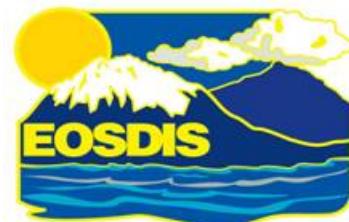
- Select the Configuration link
- Select Data Types link
- Select the box next to the Short Name ID
- At the bottom of the page, make the desired changes for the parameters listed
 - If Publish in public Data Pool is enabled, Public Retention Time must be entered
 - Otherwise, enter Hidden Retention Time
- Select Ignore validation warnings if XML validation warnings are to be ignored
- Select Apply Changes button
- Select OK to the Confirmation prompt

Modifying Configurations – Transfer Host



- The Configuration Transfer Host link allows the operator to manage SCP and FTP hosts for general use in the Data Pool Ingest system
- If the host ip-addresses are referenced within PDRs as the source locations for granule files, DPL Ingest will automatically refer to their definition to obtain time out and retry parameters
- The Ingest operator is able to define default time-out and retry parameters for SCP or FTP hosts
- If a request is sent through processing with a host configured in the PDR that does not show up on the GUI, a new host will automatically be added
 - Default host configuration parameters will be applied to the new host until the operator chooses to modify them

Modifying Configurations – Add SCP or FTP Host



• Procedure

- Select the Configuration link
- Select Transfer Host link
- In the Existing FTP Host or Existing SCP Hosts section, Select Add A [FTP/SCP] Host button
- Enter Unique Name in the Label field
- Enter the IP Address in the Address field
- Enter the Max. Operations parameter
- If Timeout is selected, enter the Expected Throughput and Pad Time parameters
- If Auto Retry is selected, enter the Retry Interval
- Select Add This Host button

DPL Ingest GUI (OPS) - Microsoft Internet Explorer

Host Configuration

Existing FTP Hosts

Label	Address	Max. FTP Operations	Timeout (Expected Throughput + Pad Time)	Auto Retry Interval
LPDAAC	Bdrg01.hltc.com 12	3	3.000MB/s + 30s	20s
NSIDC	f4ei01 10	3	3.000MB/s + 30s	15s
UNDEFHOST_AMSR_E_SIPS_61707	origin 10	3	3.000MB/s + 30s	15s
UNDEFHOST_AMSR_E_SIPS_61815	Bdrg01 10	3	3.000MB/s + 30s	15s
UNDEFHOST_EOSDIS_61736	f4ei01.hltc.com 10	3	3.000MB/s + 30s	15s

Existing SCP Hosts

Label	Address	Max. SCP Operations	Timeout (Expected Throughput + Pad Time)	Auto Retry Interval
UNDEFHOST_ASTER_GDS_59724	Bdrg01	10	3.000MB/s + 30s	15s
UNDEFHOST_MODAPS_COMBINE_FPROC_61786	origin	10	3.000MB/s + 30s	15s
fdg01	f4dp01	10	3.000MB/s + 30s	15s

SCP Host Configuration - add a new host

Host Parameters

Label: (the label for this host)

Address: (the DNS name or IP address and port)

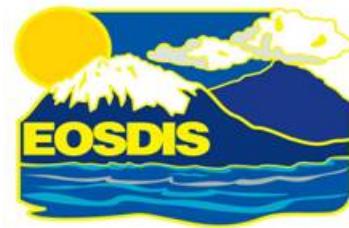
Max. Operations: 5 (max. concurrent SCP Operations)

Timeout: [enable host timeout]
Expected Throughput: 3.000 (Minimum expected throughput, in MB/s)
Pad Time: 30 (seconds)

Auto Retry: [enable automatic retry when host is suspended]
Retry Interval: 120 (seconds)

Add This Host Cancel

Modifying Configurations – File System



- **The File System Configuration page allows:**
 - The operator to configure warning thresholds for regular file system or archive file systems
 - The operator to configure suspension thresholds for regular file system or archive file systems

Modifying Configurations – File System (Cont.)



- **Procedure**

- **Select the Configuration Link**
- **Select File System link**
- **All File Systems are displayed with the following thresholds:**
 - Cache Warning Threshold
 - Cache Full Threshold
 - Cache Warning Low Watermark
 - Displays Cache Full Low Watermark
- Make changes
- Select the **Update button**

DPL Ingest GUI (OPS) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://f4dpl01.hit.com:25100/Ingest/faces/EcDlInGuiLogin.jsp;jsessionid=24847620B6A3

Customize Links Free Hotmail Windows Marketplace Windows Media Windows

Functionality Lab Status DPL Ingest GUI (OPS)

Home Monitoring Request Status Historical Requests Provider Status File System Status Transfer Host Status ECS Service Status PDR List Interventions & Alerts Interventions Alerts Configuration Providers Data Types Transfer Hosts File Systems ECS Services Global Tuning Volume Groups Operators Reports Help

[reload page]

You are logged in as IngAdmin Operator Actions: [log out] [change password] [show my permissions]

DATA POOL INGEST web GUI

Mon Feb 25 2008 15:05:01

File System Configuration

[HELP] XMLArchive /stornext/zmallfiles

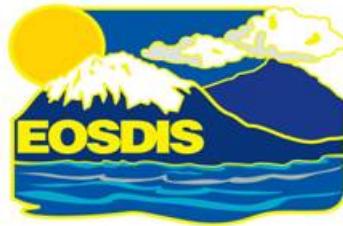
Cache Warning Threshold	The percentage of cache used which will trigger an operator alert	88	[percent]
Cache Full Threshold	The percentage of cache used which will trigger an operator alert and suspend the Archive File System	99	[percent]
Cache Warning Low Watermark	The percentage of cache used that will clear the Archive Cache Warning Alert	85	[percent]
Cache Full Low Watermark	The percentage of cache used that will clear the Archive Cache Full Alert	95	[percent]
Amfs1 /stornext/amfs1/			
Cache Warning Threshold	The percentage of cache used which will trigger an operator alert	76	[percent]
Cache Full Threshold	The percentage of cache used which will trigger an operator alert and suspend the Archive File System	80	[percent]
Cache Warning Low Watermark	The percentage of cache used that will clear the Archive Cache Warning Alert	60	[percent]
Cache Full Low Watermark	The percentage of cache used that will clear the Archive Cache Full Alert	70	[percent]

Done

start Break... Kenn... 7.21... 5 Mi... 3:05 PM

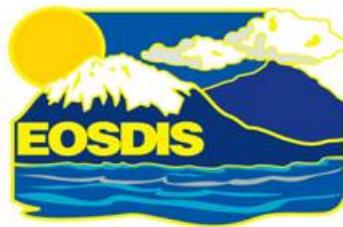
Search with Google

Modifying Configurations – ECS Services



- The **ECS Services Configuration page** allows the operator to:
 - Configure the parameters of ECS services on a specific host
 - A default checksum type and algorithm can also be set for use by the checksumming service hosts
 - To select the host from which the Science Data Server will be run
 - The **ECS Services Configuration page** contains the following three sections
 - Checksum Type and Algorithm Configuration
 - Host Used For SDSRV Operations
 - ECS Service Host Configuration

Modifying Configurations – ECS Services (Cont.)



Field Name	Entry	Description
Label	Required	A unique name for the ECS Service host, preferably based on the actual host name.
Address	Required	The IP address (e.g., 127.5.2.88) or canonical name (e.g., f4eil01.hitc.com) of the host.
Port	Required	The port number associated with this service. Hint: the port can be determined by looking at the quickserver's configuration file.
Max. CPU Operations	Required	The total maximum number of checksum operations that may be performed on this host.
Auto Retry	Optional	Whether or not to automatically retry processing of actions for all services enabled on this host.
Comment	Optional	The description of the host and its services.
Checksum:		
Enable this service	Optional	Whether or not to use this service.
Max. Concurrent Checksum Operations	Required if enabled	The maximum number of concurrent checksum operations that may be performed on this host at any one time.
Expected Throughput	Required if enabled	The expected data throughput for checksum operations. This is to identify stuck operations,
Checksum Timeout Pad Time	Required if enabled	The additional delay for a checksum operation before it is considered timed-out.

Modifying Configurations – ECS Services (Cont.)



File Transfer:		
Enable this service	Optional	Whether or not to use this service.
Enable SCP	Optional	Whether or not to use SCP as the file transfer method.
Max Concurrent File Transfers	Required if enabled	The maximum number of concurrent file transfers that may be executed on this host.
Archiving:		
Enable this service	Optional	Whether or not to use this service.
Max Concurrent Archive Operations	Required if enabled	The maximum number of concurrent archive operations that may be executed on this host.
Expected Throughput	Required if enabled	The expected data throughput for archive operations. This is to identify stuck operations.
Archive Timeout Pad Time	Required if enabled	The additional delay for an archive operation before it is considered timed-out.
Insert Checksum:		
Max. Concurrent Insert Checksum Operations:	Optional	The maximum number of concurrent Insert Checksum operations that may be executed on this host.
Insert Copy		
Max. Concurrent Insert Copy Operations	Required	The maximum number of concurrent Insert Copy operations that may be executed on this host.
Expected Throughput	Required	The expected data throughput for Insert Copy operations. This is to identify stuck operations.
Insert Timeout Pad Time	Required	The additional delay for an Insert Copy operation before it is considered timed-out.

Modifying Configurations – Add Checksum Type

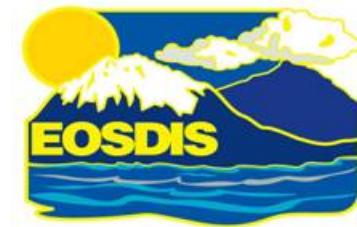


- **Procedure**

- **Select the Configuration Link**
- **Select ECS Services Link**
- **In the Checksum Types and Algorithms, click on the Add button**
- **Click in the input box next to Type and enter the Checksum Type**
- **Click in the input box next to Algorithm and enter the Algorithm location**
- **Select the OK button**

Name	Address	Comments	Checksum	File Transfer	SCP	Archive	Max. Insert Checksum Operations	Max. Insert Copy Operations
f4dp01	f4dp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	5
f4ei01	f4ei01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
f4et01	f4et01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
f4he01	f4he01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
f4sp01	f4sp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4

Modifying Configurations – Update Host Used For SDSVR



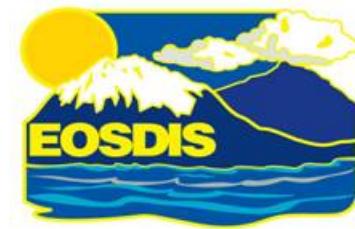
- **Procedure**

- **Select the Configuration Link**
- **Select ECS Services Link**
- **In the Update Hosts Used For SDSVR Operation section, select the desired host name from the pull-down window**
- **In the Update Hosts Used For SDSVR Operation section select the Update button**

The screenshot shows the DPL Ingest GUI (DEV09) interface in Mozilla Firefox. The left sidebar has a tree view with nodes like Home, Monitoring, Interventions & Alerts, Configuration (which is expanded), Reports, and Help. The main content area has a banner for 'DATA POOL INGEST web GUI'. Below it, the 'ECS Services Configuration' section shows 'Checksum Types And Algorithms' with two entries: CKSUM and MD5. There are buttons for Remove, Add, Update, and Reset. The 'Host Used For SDSVR Operations' section shows a dropdown menu set to 'ECS Host: f4spl01' and a 'Update' button. The bottom section, 'Hosts Used For ECS Services', is a table with columns: Name, Address, Comments, Checksum, File Transfer, SCP, Archive, Max. Insert Checksum Operations, and Max. Insert Copy Operations. It lists five hosts: f4dp01, f4el01, f4f01, f4hn01, and f4sp01. The table includes checkboxes for selecting hosts and buttons for Remove Selected Hosts and Add ECS Service Host... At the bottom, there's a search bar with 'GDA' and a link to 'http://localhost:8084/INGEST_GUI/faces/ECSConfig.jsp'.

Name	Address	Comments	Checksum	File Transfer	SCP	Archive	Max. Insert Checksum Operations	Max. Insert Copy Operations
f4dp01	f4dp01	no comment	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 5	5	5
f4el01	f4el01	External Interface	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	4	4
f4f01	f4f01	External Interface	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	4	4
f4hn01	f4hn01	no comment	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 10	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	4	4
f4sp01	f4sp01	no comment	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 8	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4	4	4

Modifying Configurations – Add ECS Service Host Type



- **Procedure**

- **Select the Configuration Link**
- **Select ECS Services Link**
- **In the Hosts Used For ECS Services section, click on the Add ECS Service Host button**
- **Enter the Global Parameters**
- **Enter the Checksum parameters**
- **Enter the File Transfer parameters**
- **Enter the Archiving parameters**

A screenshot of a web-based configuration interface titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The main title bar says "DATA POOL INGEST web GUI". On the left, there's a navigation menu with items like Home, Monitoring, Interventions & Alerts, Configuration (which is expanded), Providers, Data Types, Transfer Hosts, File Transfers, ECS Services, Global Tuning, Volume Groups, Operators, Reports, Help, and a log-in status for "IngAdmin". The central panel is titled "Ecs Service Configuration: Add Service Host". It has several sections: "Global Parameters" (with fields for Label, Address, Port, Auto Retry, and Comments); "Checksum" (with fields for Max. Concurrent Checksum Operations, Expected throughput, and Checksum Timeout Pad Time); "File Transfer" (with fields for Max. Concurrent File Transfers, Enable this service, and Enable SCP); "Archiving" (with fields for Max. Concurrent Archive Operations, Expected Throughput, and Archive Timeout Pad Time); "Insert Checksum" (with fields for Max. Concurrent Insert Checksum Operations); and "Insert Copy" (with fields for Max. Concurrent Insert Copy Operations, Expected Throughput, and Insert Timeout Pad Time). At the bottom, there's a "Done" button.

Modifying Configurations – Add ECS Service Host Type (Cont.)

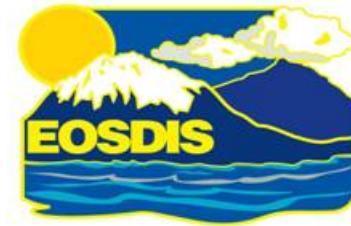


- **Procedure (Cont.)**
 - Enter the **Insert Checksum parameter**
 - Enter the **Insert Copy parameters**
 - Select the **Add This Service Host button**
- **Note:** An existing service host may be edited by clicking on the **[Name]** of the desired host located in the **Hosts Used For ECS Services** section.

The screenshot shows the DPL Ingest GUI interface in Mozilla Firefox. The left sidebar has a tree view with nodes like Home, Monitoring, Interventions & Alerts, Configuration (which is expanded), Providers, Data Types, Transfer Hosts, File Systems, ECS Services (which is selected), Global Tuning, Volume Groups, Operators, Reports, and Help. The status bar says 'Thu Feb 1 2007 14:44:20'. The main content area has a banner 'DATA POOL INGEST web GUI'. Below it is the 'ECS Services Configuration' section with a table for 'Checksum Types And Algorithms'. It lists CKSUM (Algorithm: /usr/bin/cksum) and MD5 (Algorithm: /usr/bin/MD5sum). There are buttons for Remove, Add, Update, and Reset. Below this is the 'Host Used For SDSRV Operations' section, which shows 'ECS Host: f4sp101' and an 'Update' button. At the bottom is the 'Hosts Used For ECS Services' table, listing five hosts: f4dp01, f4el01, f4fd01, f4hn01, and f4sp01. Each host row has columns for Name, Address, Comments, Checksum, File Transfer, SCP, Archive, Max. Insert Checksum Operations, and Max. Insert Copy Operations. The table includes checkboxes for selecting hosts and buttons for Remove Selected Hosts and Add ECS Service Host... . The bottom status bar shows 'Find: GDA' and the URL 'http://localhost:8084/INGEST_GUI/faces/ECSConfigEcsServicesConfig.jsp'.

Name	Address	Comments	Checksum	File Transfer	SCP	Archive	Max. Insert Checksum Operations	Max. Insert Copy Operations
f4dp01	f4dp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	5
f4el01	f4el01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
f4fd01	f4fd01	External Interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
f4hn01	f4hn01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4
f4sp01	f4sp01	no comment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	4

Modifying Configurations – Change Global Tuning



- The **Global Tuning** link allows the operator to configure the Parameter Name and Value of the global tuning parameters in the Data Pool Ingest database
- Three sections for Global Tuning
 - **Global Admin Tuning Parameters**
 - Requires Ingest Admin Tuning privileges
 - **Global Tuning Parameter Configuration**
 - Requires Tuning privileges
 - **Database Connection Configuration**
 - Requires Tuning privileges
- Dynamic parameters are those that are applied to the Ingest Service without having to restart the Ingest Service
- Static parameters are those that require the Ingest Service to be restarted

Modifying Configurations – Change Global Tuning (Cont.)



- **Procedure**

- Reminder: Must have **special Ingest Admin or Tuning permissions**
- Select the **Configuration** link
- Select the **Global Tuning** link
- In the **Value** field of the Parameter to be changed enter the new value
- Click the **Apply Changes** button
- Select **OK**

Parameter Name	Description	Value
ARCHIVE_CACHE_CHECK_INTERVAL	Number of seconds between checks of archive cache	60
DEFAULT_ALERT_RETRY_SECS	Default number of seconds to wait in between retrying a situation that caused a suspension	10
GET_DPL_SPACE_MINS	Number of minutes to wait in between refreshing DPL tree space info	2
MAX_RETRY_CHECKSUM_VERIFY	Maximum number of allowable retries for a checksum verification error	10
MINS_TO_KEEP_COMPLETED_MESSAGES	Number of minutes to keep completed messages in the database	60
MINS_TO_KEEP_COMPLETED_REQS	Number of minutes before a completed request qualifies for archival	40
MONTHS_TO_KEEP_HIST_STATS_ALERTS	The retention time in months for keeping historic information for requests, alerts and throughput statistics	3
NUM_RETRIES_UR_ERROR	Number of times to retry UR Translation due to an error	6
RETRY_SECS_UR_ERROR	Number of seconds to wait in between retrying UR Translation on error	30

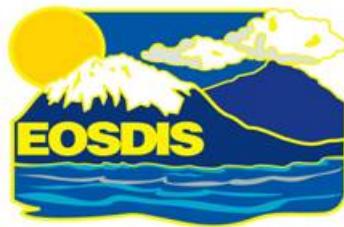
Parameter Name	Description	Value
DEFAULT_NUM_RETRIES	Default number of retries for an error condition where no error-specific number exists	3
DEFAULT_RETRY_INTERVAL	Default retry interval (seconds) where no error-specific interval exists	5
EDOS_SUCCESSFUL_PAN_DIR	EDOS directory in which successful files are to be stored	
FAILED_CHECKSUM_HOLDING_DIR	Location of files that failed checksum verification	/ust/ecs/DEV01/CUSTOM

Modifying Configurations – Volume Groups



- The **Volume Group configuration** in the DPL Ingest GUI is the same functionality that existed in the STMGT GUI tab prior to release 7.20
- The **Volume Groups Configuration page** is divided into four distinct columns
 - Volume Group name
 - Path
 - HWCI
 - Selection date for that volume group

Modifying Configurations – Add Volume Groups- New Data Type



• Procedure

- Select the Configuration link
- Select the Volume Group link
- Select the Add Volume Group button
- Select the Add Volume Groups For A New Versioned Data Type button
- Enter the Name and Version ID data in the edit window
- Select OK
- Volume Group Configuration: Add a Volume Group window is displayed

The screenshot shows a Mozilla Firefox browser window titled 'DPL Ingest GUI (DEVO9) - Mozilla Firefox'. The URL is 'http://dpl-ingest.eosdis.org:8080/ingest'. The page title is 'DATA POOL INGEST web GUI'. On the left, there's a navigation menu with 'Configuration' selected. Below it, a list of providers includes 'Data Types'. The main content area has a heading 'Volume Group Configuration: Add Volume Group'. It contains instructions: 'There are two options when adding Volume Groups: 1. If you want to add a Volume Group for a new Data Type that is not yet configured in Data Pool, click the Add Volume Groups For A New Versioned Data Type... button below and manually type in the name of the Data Type and Version ID in the text box that appears underneath. When you are done, click 'ok'. This will bring you to the next page where you can add Volume Groups. If the page loads with Volume Group information already filled in, this means the Data Type already has Volume Groups configured in Data Pool.' and '2. Pick from the list of Versioned Data Types with existing Volume Group Configurations below. You can add Backup, Offsite, and Alternative Volume Groups to these if they do not already exist.' A tip at the bottom says: 'Tip: To search for a data type use your browser's search function. In Firefox, use Ctrl-F. The data types are listed in alphabetical order. To begin start to type the first few letters of the Short Name into the search box and if necessary click find next.' At the bottom of the window, there's a list of 'Versioned Data Type' names:

- + AEPOE1W.001
- AEPOE1W.086
- AEPOE7W.001
- AEPOE7W.086
- AE_5DSno.001
- AE_5DSno.086
- AE_DyOcn.001
- AE_DyOcn.086
- AE_DySno.001
- AE_DySno.086
- AE_L2A.001
- AE_L2A.086
- AE_Land.001
- AE_Land.086
- AE_Land3.001

Modifying Configurations – Add Volume Groups New Data Type (Cont.)



- **Procedure (Cont.)**

- If Alternate Volume Group was specified, click on **Alternate VG** box
- If adding Alternate Volume Group history set, click on the **Reprocessing** or **Forward Processing** button
- If adding Alternate Volume Group history set, select an appropriate **Date** to set for storing/retrieving data

The screenshot shows a Mozilla Firefox browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The URL bar shows "DATA POOL INGEST web GUI". The page title is "Volume Groups Configuration: Add a Volume Group". The left sidebar has a tree view with "Configuration" selected, and under "Data Types", "Volume Groups" is also selected. The main content area displays four input fields for defining volume groups:

Primary Volume Group	Path:	Primary Alternative Volume Group	Path:
Path: ./datapool/DEV01/user/FS1/ARCHIVE			
Backup Volume Group	Path:	Backup Alternative Volume Group	Path:
Offsite Volume Group	Path:	Offsite Alternative Volume Group	Path:

Below the input fields are "Apply" and "Cancel" buttons. On the left side of the main content area, there is a sidebar with user information: "You are logged in as ImgAdmin" and "Operator Admin". There are links for "log off", "change password", and "show my permissions".

Modifying Configurations – Add Volume Groups New Data Type (Cont.)



- **Procedure (Cont.)**

- Enter the fully qualified Unix path to the **Primary Archive**
- Enter the fully-qualified Unix path for the **Primary Alternate Archive**
- Enter the fully-qualified Unix path for the **Backup Archive**
- Enter the fully-qualified Unix path for the **Backup Alternate Archive**
- Enter the fully-qualified Unix path for the **Offsite Archive**
- Enter the fully-qualified Unix for the **Offsite Alternate Archive**
- Select in the **Apply** button
- Select **OK**

A screenshot of a Mozilla Firefox browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The main content is a web-based configuration tool for "DATA POOL INGEST". The title bar says "Volume Groups Configuration: Add a Volume Group". The URL in the address bar is "http://dev09:8080/dpl-ingest-web-gui/volume-groups-config.html". The page shows fields for entering paths for Primary, Backup, and Offsite Volume Groups, both with and without alternative archive options. On the left, there's a sidebar with navigation links like Home, Monitoring, Interventions & Alerts, Configuration, Providers, Data Types, Transfer Hosts, File Systems, ECS Services, Global Tuning, Volume Groups, Operators, Reports, Help, and a log-in status for "ImgAdmin". At the bottom, there are "Apply" and "Cancel" buttons.

Modifying Configurations – Add Volume Groups Existing Data Type



- **Procedure**

- **Select the Configuration link**
- **Select the Volume Group link**
- **Select the Add Volume Group button**
- **Click on Versioned Data Type**
- **Volume Group Configuration: Add a Volume Group window is displayed**

The screenshot shows a Mozilla Firefox browser window titled 'DPL Ingest GUI (DEVO9) - Mozilla Firefox'. The URL is 'http://dpl-ingest.eosdis.org:8080/ingest-webgui/index.jsp'. The page title is 'DATA POOL INGEST web GUI'. On the left, there's a navigation menu with 'Configuration' selected. The main content area has a header 'Volume Group Configuration: Add Volume Group'. It includes instructions for adding a Volume Group for a new Data Type or picking from existing ones. A search bar at the bottom says '+ Add Volume Groups For A New Versioned Data Type...'. Below it is a list of 'Versioned Data Type' names:

- AEP0E1W.001
- AEP0E1W.086
- AEP0E7W.001
- AEP0E7W.086
- AE_5DSno.001
- AE_5DSno.086
- AE_DyOcn.001
- AE_DyOcn.086
- AE_DySno.001
- AE_DySno.086
- AE_L2A.001
- AE_L2A.086
- AE_Land.001
- AE_Land.086
- AE_Land3.001

Modifying Configurations – Add Volume Groups Existing Data Type (Cont.)



- **Procedure (Cont.)**

- If Alternate Volume Group was specified, click on **Alternate VG** box
- If adding Alternate Volume Group history set, click on the **Reprocessing** or **Forward Processing** button
- If adding Alternate Volume Group history set, select an appropriate **Date** to set for storing/retrieving data

The screenshot shows a Mozilla Firefox browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The URL is "DATA POOL INGEST web GUI". The page header includes the date "Thu Feb 1 2007 15:30:54". On the left, there is a navigation menu with items like Home, Monitoring, Interventions & Alerts, Configuration, Providers, Data Types, Transfer Hosts, File Systems, ECS Services, Global Tuning, Volume Groups, Operators, Reports, Help, and a log-in status for "ImgAdmin". The main content area is titled "Volume Groups Configuration: Add a Volume Group". It displays fields for "Data Type and Version ID: AER0E1W.001" and an "Alternative VG Options" checkbox. There are four sets of input fields for "Primary Volume Group" and "Primary Alternative Volume Group", "Backup Volume Group" and "Backup Alternative Volume Group", and "Offsite Volume Group" and "Offsite Alternative Volume Group", each with a "Path:" field. At the bottom are "Apply" and "Cancel" buttons.

Modifying Configurations – Add Volume Groups Existing Data Type (Cont.)



- **Procedure (Cont.)**

- Enter the fully qualified Unix path to the **Primary Archive**
- Enter the fully-qualified Unix path for the **Primary Alternate Archive**
- Enter the fully-qualified Unix path for the **Backup Archive**
- Enter the fully-qualified Unix path for the **Backup Alternate Archive**
- Enter the fully-qualified Unix path for the **Offsite Archive**
- Enter the fully-qualified Unix for the **Offsite Alternate Archive**
- Select in the **Apply** button
- Select **OK**

A screenshot of a Mozilla Firefox browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The main content is a form titled "Volume Groups Configuration: Add a Volume Group". The form has several sections:

- "Add Volume Groups" section with "Data Type and Version ID: AEP0E1W.001" and an unchecked "Alternative VG Options" checkbox.
- "Primary Volume Group" section with "Path: ./datapool/DEV01/user/FS1/ARCHIVE" and "Primary Alternative Volume Group" section with an empty "Path:" field.
- "Backup Volume Group" section with an empty "Path:" field and "Backup Alternative Volume Group" section with an empty "Path:" field.
- "Offsite Volume Group" section with an empty "Path:" field and "Offsite Alternative Volume Group" section with an empty "Path:" field.
- Buttons at the bottom: "Apply" (highlighted in red), "Cancel", and "Done".

The left sidebar shows a navigation menu with "Configuration" selected, and the bottom left shows a user profile for "ImgAdmin".

Modifying Configurations – Modify Volume Groups



- **Procedure**
 - Select the Configuration link
 - Select the Volume Group link
 - Click on the box next to the Volume Group Name
 - Click on the Modify Selected Volume Groups button
 - Enter the new Volume Group Path
 - Select OK

The screenshot shows a Mozilla Firefox browser window titled "DPL Ingest GUI (DEV09) - Mozilla Firefox". The URL is http://localhost:8084/INGEST_GUI/faces/EcDInGuVolGroupConfigList.jsp. The page header includes "DATA POOL INGEST web GUI" and the date "Thu Feb 1 2007 15:27:51". On the left, there is a navigation menu with links like Home, Monitoring, Interventions & Alerts, Configuration, Providers, Data Types, Transfer Hosts, File Systems, ECS Services, Global Tuning, Volume Groups, Operators, Reports, Help, and a log-in status for "IngAdmin". The main content area is titled "Volume Groups Configuration" and displays a table with 418 entries. The columns are "Volume Group Name", "Path", "Hardware CI", and "Selection Date". The table lists various volume group names and their corresponding paths, such as AEPOE1W.001, AEPOE1W.086, AEPOE7W.001, AEPOE7W.086, AE_5DSno.001, AE_5DSno.086, AE_DyOcn.001, AE_DyOcn.086, AE_DySno.001, AE_DySno.086, AE_L2A.001, AE_L2A.086, and AE_Land.001. At the bottom of the table, there are buttons for "Top Of List", "Modify Selected Volume Groups...", and "Add Volume Group...".

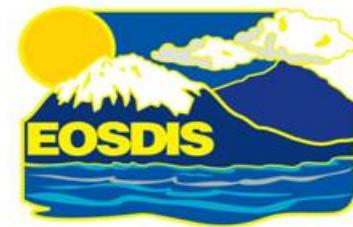
Volume Group Name	Path	Hardware CI	Selection Date
AEPOE1W.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	
AEPOE1W.086	/stornext/srfs1/DEV01/EMOS/	DRP1	
AEPOE7W.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	
AEPOE7W.086	/stornext/srfs1/DEV01/EMOS/	DRP1	
AE_5DSno.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	
AE_5DSno.086	/stornext/srfs1/DEV01/AMSR/	DRP1	
AE_DyOcn.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	
AE_DyOcn.086	/stornext/srfs1/DEV01/AMSR/	DRP1	
AE_DySno.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	
AE_DySno.086	/stornext/srfs1/DEV01/AMSR/	DRP1	
AE_L2A.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	
AE_L2A.086	/stornext/srfs1/DEV01/AMSR/	DRP1	
AE_Land.001	/datapool/DEV01/user/FS1/ARCHIVE	DRP1	

Modifying Configurations – Operator Access



- There are five different permission levels
 - An operator may be assigned multiple permissions other than view only
- The following list reviews the five permission levels for the Data Pool Ingest GUI
 - View Only – The operator cannot alter or modify anything on the GUI, nor can he/she take actions
 - All textboxes, checkboxes, drop-down lists, etc. are disabled
 - Ingest Control- The operator can manage Ingest requests and interventions
 - Can suspend or resume requests, place on hold and close interventions, fail or resume granules, etc
 - Ingest Admin - The operator can alter general configuration parameters such has SCP/FTP Host configuration, providers, data types
 - This level of operator cannot modify tuning parameters
 - Ingest Tuning - The operator can alter global and host-specific tuning configuration parameters
 - Security Admin - The operator can maintain security-related information like passwords and operators

Modifying Configurations – Modify Operator Permission Settings



- Procedure
- Reminder: Must have special Security Admin access to make changes
 - Select the Configuration link
 - Select the Operators link
 - Click the box next to the name of the operator requiring changes
 - Click on the box next to the desired permissions change
 - Click the Update Operators button
 - Select OK

The screenshot shows a Mozilla Firefox browser window titled "DPL Ingest GUI (E0V09) - Mozilla Firefox". The URL bar shows "http://10.10.10.10:8080/dpl-ingest-web-gui/index.html". The page title is "DATA POOL INGEST web GUI". The date and time "Thu Feb 1 2007 15:33:25" are displayed in the top right corner.

The left sidebar menu includes: Home, Monitoring, Interventions & Alerts, Configuration (selected), Providers, Data Types, Transfer Hosts, File Types, ECS Services, Global Tuning, Volume Groups, Operators (selected), Reports, Help.

The main content area is titled "Operator Configuration". A note states: "Changes to an existing operator's permissions will not take effect until the next login for that particular operator." Below this is a "Operator Management" table:

Operator Name	Permissions
IngAdmin	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
IngTuning	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
JarR	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V0000	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V00A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V00TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V00TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input checked="" type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V0500	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V050A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V05TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V05TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V1000	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V10A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V10TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V10TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V1500	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V150A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V15TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V15TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V2000	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V20A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V20TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V20TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V2500	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V250A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V25TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V25TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V3000	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V30A	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V30TD	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security
V30TA	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input checked="" type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security

At the bottom of the table is a "Done" button.

Modifying Configurations – Add Operator Permission Settings



- Procedure
- Reminder: Must have special Security Admin access to make changes
 - Select the Configuration link
 - Select the Operators link
 - Scroll to the bottom of the Operator Configuration screen to the Add Operator section

Add Operator

Operator Name:	DavidH
Password:	*****
Verify Password:	*****
Permissions:	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security

[Add Operator](#)

Modifying Configurations – Add Operator Permission Settings (Cont.)



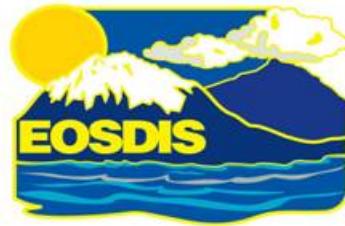
- **Procedure (Cont.)**
 - Enter the **Operator Name**
 - Enter the **Password**
 - Enter the **Verify Password**
 - Select the **Permissions**
 - Click the **Add Operators** button
 - Select **OK**

Add Operator

Operator Name:	DavidH
Password:	*****
Verify Password:	*****
Permissions:	<input checked="" type="checkbox"/> view only <input checked="" type="checkbox"/> ingest control <input type="checkbox"/> ingest admin <input type="checkbox"/> ingest tuning <input checked="" type="checkbox"/> ingest security

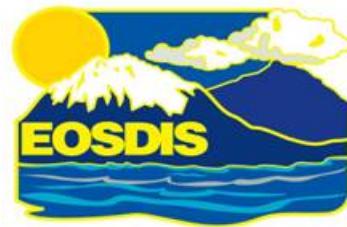
Add Operator

Reports



- The reporting capability of the Ingest GUI offers the ability to view detailed reports on data providers, data types, request summary and granule summary reports
- The report pages display the information across data providers or data types
- Due to the large volume of data that may be in the database, reports can sometime take a while to process and be displayed
- Reports
 - Detailed
 - Request Summary
 - Granule Summary
 - Volume Group

Generating Reports



• Procedure

- Select the **Reports** link
- Select Detailed, Request Summary or Granule Summary link
- Enter the Start Date/Time and End Date/Time
- Select the Data Providers, Data Types, one or more Final Request Statuses, and the Ingest Method (ie, DPL or Non-DPL)
- Select the Generate Report button

Current Report Criteria:														
Data Provider(s): [ALL]				Data Type(s): [ALL]										
Final Request Status: [ALL]				Start Date/Time: 1/11/2006 15:18										
End Date/Time: 31/10/2006 15:18														
Report Output														
Req.ID	Data Provider	Ingest Type	Ingest Method	Start Date/Time	End Date/Time	Tot.# grans.	# Succ. grans.	Vol (MB)	File Count	Time to xfer (mins)	Time to preproc (min)	Time to Archive (min)	Priority	Restart Flag
21807	S4P00	Polling_w/DR	DPL	2006-11-01 08:21:07	2006-11-01 08:21:19	1	1	6.311	2	0	8	0	VHIGH	
21808	S4P00	Polling_w/DR	DPL		2006-11-01 08:29:06	1		6.245	2	0	0	0	VHIGH	
21809	ASTER_OSF	Polling_w/DR	DPL	2006-11-01 10:03:09	2006-11-01 10:03:10	1		0.473	2	0	0	0	NORMAL	
21810	ASTER_OSF	Polling_w/DR	DPL	2006-11-01 10:03:09	2006-11-01 10:03:10	1		0.473	2	0	0	0	NORMAL	
21811	ASTER_OSF	Polling_w/DR	DPL	2006-11-01 10:03:09	2006-11-01 10:03:10	1		0.473	2	0	0	0	NORMAL	

Generating Reports (Cont.)



Request Summary Report Layout

Current Report Criteria:															
Data Type(s): [ALL]								Final Request Status: [ALL]							
Start Date/Time: 1/11/2006 15:21				End Date/Time: 31/10/2006 15:21											
Report Output															
Data Provider	Ingest Type	Ttl. Reqs	Ttl. Errors	Gran Avg	Gran Max	File Avg	File Max	Size Avg (MB)	Size Max (MB)	Xfer time Avg (mins)	Xfer time Max (mins)	Preproc time Avg (mins)	Preproc time Max (mins)	Archive Time Avg (mins)	Archive Time Max (mins)
ASTER_OSF		12	0	1	1	2	2	0.473	0.473	10	126	3	14	0	1
CRIT_4150_2		10	0	1	1	2	2	0.473	0.473	0	1	1	2	0	0
MODAPS_TERRA_FPROC		1	0	1	1	2	2	0.473	0.473	0	0	2	2	0	0
S4P00		57	0	1	1	2	3	16.157	71.236	0	2	2	8	0	1

Granule Summary Report Layout

Current Report Criteria:														
Data Provider(s): [ALL]						Data Type(s): [ALL]								
Final Request Status: [ALL]			Start Date/Time: 1/11/2006 15:21			End Date/Time: 30/10/2006 15:21								
Report Output														
Data Provider	Ingest Type	Data Type	Ttl. Grans	Ttl. Errors	File Avg	File Max	Size Avg (MB)	Size Max (MB)	Xfer time Avg (mins)	Xfer time Max (mins)	Preproc time Avg (mins)	Preproc time Max (mins)	Archive Time Avg (mins)	Archive Time Max (mins)
ALL_ESDT9		AEPOE1W	2	0	2	2	0.048	0.048	0	1	19	27	1	3
ALL_ESDT9		AEPOE7W	2	0	2	2	0.100	0.100	0	1	11	15	1	1
ALL_ESDT9		AE_SD9n0	2	0	2	2	0.100	0.100	1	2	18	21	0	0
ALL_ESDT9		AE_DynCn	4	0	2	2	0.100	0.100	1	3	16	28	0	1
ALL_ESDT9		AE_DynSn	4	0	2	2	0.100	0.100	0	1	18	29	1	4
ALL_ESDT9		AE_L2A	29	0	2	2	0.103	0.103	2	5	16	30	1	4
ALL_ESDT9		AE_Land3	4	0	2	2	0.100	0.100	2	3	11	17	0	3
ALL_ESDT9		AE_Mooncn	3	0	2	2	0.100	0.100	2	3	12	24	0	0



- The Help section, contains information the operator can have readily available while operating the Data Pool Ingest GUI
- Three links
 - General Topics
 - Context Help
 - About

Help – General Topics



- **Procedure**
 - Select the **Help link**
 - Select the **General Topics link**
 - Click on **Request State Transition link**

The screenshot shows a Mozilla Firefox browser window titled "DPL Ingest GUI (DEVO9) - Mozilla Firefox". The address bar shows "DATA POOL INGEST". The left sidebar has a "General Topics" link under the "Help" section, which is highlighted in red. The main content area is titled "Index" and contains a list of topics: "Request State Transition" and "Granule State Transition". Below this, a section titled "Request State Transition" provides information about request states and paths. It lists "Normal Transition", "Cold Restart", and "Validation Failed" paths. Another section, "Possible Request Paths (cont): Failed Granules", lists paths involving "Failed Granules", "Suspended Granules", and "Operator Cancellation". At the bottom, a section titled "Granule State Transition" describes granule processing states and error states.

Request State Transition

Requests go through various states as they are processed by the DPL Processing Service. Below are the paths that a request can take during its processing lifecycle. Some things to note:

- If a request is "stuck" and does not move to the next state after a reasonable amount of time, then the Processing Service may be down. This is normally, but not always, indicated on the GUI's home (Ingest Status) page under the Processing Service Status.
- If requests are being submitted and not being picked up, it is possible the Polling Service or Quick Server may down or suspended.

Possible Request Paths:

Normal Transition	Cold Restart	Validation Failed
1. New 2. validated - validation successful 3. Active - deployed 4. Successful - all granules successful, PAM valid, required	1. New 2. validated - validation successful 3. Terminated - cold restart	1. New 2. Failed - validation failed

Possible Request Paths (cont):

Failed Granules	Suspended Granules	Operator Cancellation
1. New 2. validated - validation successful 3. Active - deployed 4. one of: <ul style="list-style-type: none">◦ Partial_Failure - not all granules failed◦ Failed - all granules failed	1. New 2. validated - validation successful 3. Active - deployed 4. One of: <ul style="list-style-type: none">◦ Partially_Suspended - at least one granule suspended, one active◦ Suspended - at least one suspended, none active 5. Operator resumes granule from checkpoint, at which point the states would go to: <ul style="list-style-type: none">◦ Resuming - at least one granule suspended, one active	1. New 2. validated - validation successful 3. Active - deployed 4. Cancelling - cancel current request 5. one of: <ul style="list-style-type: none">◦ Partially_Cancelled - not all granules cancelled◦ Cancelled - all granules cancelled

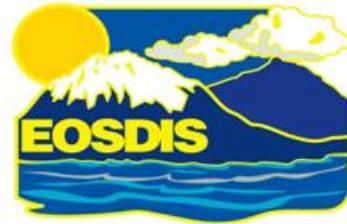
Granule State Transition

Granules also go through various states as they are processed by the DPL Processing Service. Below are the paths that a granules can take during its processing lifecycle.

Possible Granules Paths:

Normal Transition	Possible Error States
1. Processing (START) 2. Transferring	

Data Pool Management



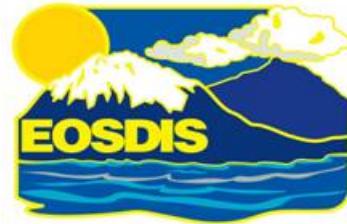
- **Features of the Data Pool Maintenance GUI**
 - Most Archive or support personnel tasks for monitoring and maintaining the Data Pool require the use of the Data Pool Maintenance (DPM) GUI
 - The DPM GUI permits an Ingest operator to perform tasks in the following general areas:
 - Managing **Data Pool Collection Groups**
 - Managing **Data Pool Collections within Collection Groups**

Data Pool Management (Cont.)



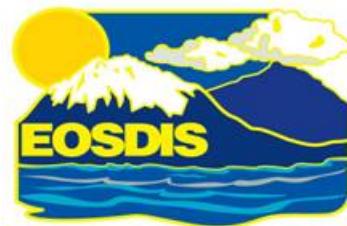
- Features of the Data Pool Maintenance GUI (Cont.)
 - New operator GUI security standards require the following two levels of permissions for the DPM GUI:
 - Full Capability
 - Limited Capability
 - Full-capability operators have the ability to configure parameters and perform all other actions that can be accomplished with the DPM 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

Data Pool Management (Cont.)



- **Features of the Data Pool Maintenance GUI (Cont.)**
 - This lesson provides instruction in the full-capability version of the DPM GUI
 - However, the functions that are available to limited-capability operators as well as the functions that are not available to limited-capability operators are identified

DPM GUI: Home Page



Data Pool Maintenance GUI -- OPS MODE - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://f4dpl01.hitc.com:22101/DataPool.html

Customize Links Free Hotmail Windows Marketplace Windows Media Windows

Functionality Lab Status Data Pool Maintenance GUI -- OPS MO... Data Pool Maintenance GUI -- OP...

Data Pool Maintenance

OPS EOSDIS

Home Page Batch Summary List Insert Queue Collection Groups Themes Data Pool File Systems
Cloud Cover Configuration Parameters Aging Parameters Help End Session Refresh Home Page

Screen Refresh Rate 60 (in Secs) Apply Last Screen Refresh on Mon Aug 18 12:17:17 EDT 2008

Active Insert Processes 100 rows Apply

Active Insert Status Filter Pending Validated Copied Checksummed Extracted Apply

File System Path	Ingest Status	DPL Insert Status	Free Space	Used Space Updated	Free Space Flag	Availability	Min Freed Space
DEFAULT /datapool/OPS/user/FS1/			972 GB	11% Aug 18 2008 12:15PM	State : Y Last Changed: Apr 3 2008 11:22AM	State : Y Last changed:	10
FS2 /datapool/OPS/user/FS2/			1087 GB	1% Aug 18 2008 12:15PM	State : Y Last Changed:	State : Y Last changed:	10

Maximum allowed processes	20000
Maximum allowed processes from archive cache	20

http://f4dpl01.hitc.com:22101/cgi-bin/EcDlDpmHomePage.pl

DPM GUI: Collection Group Page



Data Pool Maintenance GUI -- OPS MODE - Netscape

File Edit View Go Bookmarks Tools Window Help

http://f4dp01.hitch.com:22101/cgi-bin/EcDlDpmManageCollGroups.pl

Mail AIM Home Radio My Netscape Search Bookmarks

Data Pool Maintenance

OPS

Home Page Batch Summary List Insert Queue Collection Groups Themes Data Pool File Systems

Cloud Cover Configuration Parameters Aging Parameters Help

You can manage the collections of a group by clicking on the groupid

Data Source	Group ID (Click for managing collections)	Display Name	Description
ECS	<u>1</u>	1	Funky, new collection group.
ECS	<u>ACRM</u>	ACRM	All collections/granules from the ACRIM mission
ECS	<u>AIRA</u>	AIRA	AIRS/AMSU/MHS collections/granules from the Aqua mission
ECS	<u>AMSA</u>	AMSA	AMSR-E collections/granules from the Aqua mission
ECS	<u>ASTT</u>	ASTT	ASTER collections/granules from the Terra mission
ECS	<u>BRWS</u>	BRWS	Browse collections/granules
NON-ECS	<u>CZCSGROUP</u>	CZCSGROUP	This is my awesome group.
ECS	<u>DASP</u>	DASP	Data Assimilation System Products

DPM GUI: List of Collections Page



Data Pool Maintenance GUI -- OPS MODE - Netscape

File Edit View Go Bookmarks Tools Window Help

http://f4dpl01.hitic.com:22101/cgi-bin/EcDIDpmManageCollections.pl?GroupId=CZCSGROUP

Mail AIM Home Radio My Netscape Search Bookmarks

Data Pool Maintenance

OPS

Home Page Cloud Cover Batch Summary Configuration Parameters List Insert Queue Aging Parameters Collection Groups Themes Help Data Pool File Systems

Data Source:NON-ECS Group ID:CZCSGROUP Display Name:CZCSGROUP Description:This is my awesome group.

File System ALL Apply Filter

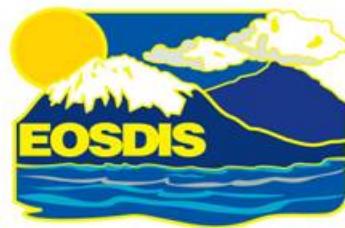
List Of Collections

Collection (Click for Detail Information)	Version	Science Granules and/or Metadata	Data Pool Insertion	HEG Processing	Export Urls to ECHO	Quality Summary Url	Spatial Search Type	Global Coverage	Day/Night Coverage	24 Hour Coverage	Cloud Coverage
CZCS	001	science and metadata	valid for Data Pool	Enabled	No		Not supported	Yes	Yes	No	No

Add New Collection Return to previous page

You can view the detail information of a collection by clicking on the collection link

DPM GUI: ECS Collection Detail Information Page



Data Pool Maintenance GUI -- OPS MODE - Netscape

File Edit View Go Bookmarks Tools Window Help

http://f4dpl01.hitc.com:22101/cgi-bin/EcDIDpmManageCollections.pl?collAction=3&VersionId=180

Search Bookmarks Data Pool Maintenance GUI -- OPS ...

Data Pool Maintenance

OPS

Home Page Cloud Cover Batch Summary Configuration Parameters List Insert Queue Aging Parameters Collection Groups Themes Help Data Pool File Systems

Group ID:ACRM: Display Name:ACRM Description:All collections/granules from the ACRIM mission

Detail Information	
Collection	ACR3L0
Version	1
Description	This file contains Level 0 total solar irradiance data gathered by the ACRIM instrument on the ACRIMSAT satellite.
File System	DEFAULT
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Valid for Data Pool Inserts
HEG Processing	Enabled
Export Urls to ECHO	No
Quality Summary Url	
Spatial Search Type	NotSupported

DPM GUI: Modify Collection Group

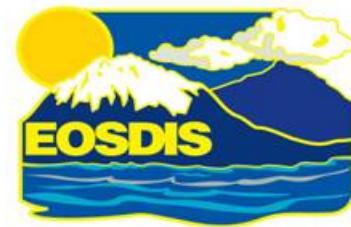


- Procedure
 - Select the DPM GUI Collection Groups link
 - Select the Modify Collection Group link
 - Make desired changes to the Display Name and Description
 - Select check box at the end of the row.
 - Click on the Apply Changes button.

The screenshot shows a Netscape browser window titled "Data Pool Maintenance GUI -- DEV08 MODE - Netscape". The URL in the address bar is <http://Rhel01.hlt.com:22181/cgi-bin/EOSDpmManageCollGroups.pl?collAction=2>. The page header includes the EOSDIS logo and the text "Data Pool Maintenance" and "DEV08". Below the header is a navigation menu with links: Home Page, Cloud Cover, Batch Summary, Configuration Parameters, List Insert Queue, Aging Parameters, Collection Groups (which is underlined), Themes, Help, and Data Pool File Systems. The main content area is titled "Modify Collection Group" and contains a table with the following data:

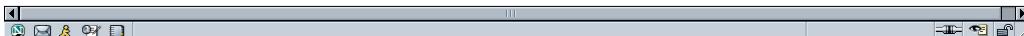
Data Source	Group ID (Click to manage collection)	Display Name	Description
ECS	ACRM	ACRM	All collections/granules from the ACRIM mission
ECS	AIRA	AIRA	AIRS/AMSU/MHS collections/granules from the Aqua mission
ECS	AMSA	AMSA	AMSR-E collections/granules from the Aqua mission
ECS	ASTT	ASTT	ASTER collections/granules from the Terra mission
ECS	BRWS	BRWS	Browse collections/granules
ECS	DASP	DASP	Data Assimilation System Products
ECS	DASP2	DASP2	DASP2

DPM GUI: Add A Collection Group

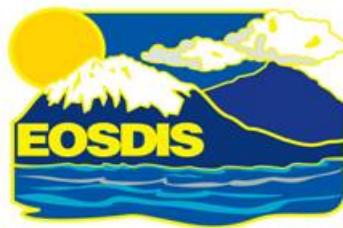


- **Procedure**
 - Select the DPM GUI **Collection Groups** link
 - Select the **Add Collection Group** link
 - Enter **Display Source, Group ID, Display Name and Description**
 - Click on the **Apply Change** button
- **Note:** Once entered, the **Collection Group** cannot be deleted

Screenshot of the Data Pool Maintenance GUI -- DEV08 MODE - Netscape browser window. The URL is http://f4hel01.hitc.com:22181/cgi-bin/EcDlpdmManageCollGroups.pl?collAction=1. The page title is "Data Pool Maintenance". The menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, Help. The toolbar includes Back, Forward, Stop, Home, Search, and Bookmarks. The main content area shows the "Add Collection Group" form. The form has fields for Data Source (ECS), Group ID, Display Name (Optional), and Description. Below the form is a note: "NOTE: The Display Name will default to the GroupID unless specifically set to something else." At the bottom right is an "Apply Change" button.



DPM GUI: Add ECS Collections to a Collection Group



- **Procedure**
 - Select the DPM GUI **Collection Groups** link
 - Select the **Group ID** link
 - Select the **Add New Collection** link
 - From the **Collections Not in Data Pool** page select the collection to add
 - Complete all appropriate fields
 - Click on the **Apply Change** button

Collection (Click on collection to add)	Version	Description
AIRARDBR	002	AIRS/Aqua AMSU L1B daily summary browse product
AIRARDBR	003	AIRS/Aqua AMSU L1B daily summary browse product
AIRARQAP	002	AIRS/Aqua AMSU-A1 and AMSU-A2 combined detailed QA for geolocated and calibrated brightness temperatures in Kelvins
AIRABRAD	003	AIRS/Aqua AMSU-A1 and AMSU-A2 combined geolocated and calibrated brightness temperatures in Kelvins
AIRHRRAD	077	AIRS/Aqua HSB geolocated and calibrated brightness temperatures in Kelvins
AIRJCOCE	003	AIRS/Aqua FINAL AIRS Level 2 Cloud Clear Radiance Product Calibrated and Geolocated for each AMSU-A footprint (Webcon HSR)

Collection	ASTL1BEG
Version	1
Description	Expedited ASTER Level 1B Data Set - the data has had system radiometric correction and geometric applied and reprojected to a given map projection. This data set contains GDS requested acquisitions.
File System	SELECT
Science Grammles and or Metadata	Science and Metadata
Data Pool Insertion	Invalid for data pool
Export Urls to ECHO	No

DPM GUI: Modify an ECS Collection



- **Procedure**
 - Select the DPM GUI **Collection Groups** link
 - Select the **Group ID** link
 - From the **List of Collections** page, select the collection to be modified
 - From the **Detailed Information** page, select the **Modify Collection** link
 - From the **Modify Collection** page, complete desired fields
 - Click on the **Apply Change** button

Collection (Click for Detail Information)	Version	Science Granules and/or Metadata	Data Pool Insertion	HEG Processing	Export Urls to ECHO	Quality Summary Url	Spacial Search Type	Global Coverage	Day/Night Coverage	24 Hour Coverage	Cloud Coverage
ASTERDG	001	science and metadata	valid for Data Pool	Disabled	No	--	GPolygon	No	Yes	No	No
ASTERXP1	001	science and metadata	valid for Data Pool	Disabled	No	--	Not supported	No	Yes	No	No
		science	valid for				N/A				

Collection	MCD43C1
Version	86
Description	MODIS Terra plus Aqua Combined Albedo 16-Day L3 Global 0.03Deg CMG
File System	DEFAULT
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Valid for Data Pool Insert
HEG Processing	Disabled
Export Urls to ECHO	No
Quality Summary Url	