

## **ADDENDUM NOTICE**

### **EOSDIS Maintenance and Development Project Contract No. NAS5-03098**

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**Title:** Release 7.22 Operations Tools Manuals for the EMD Project

Enclosed please find additional pages for the subject document.

Insert

4.7.27-1 thru 4.7.27-4

If you have any questions, please contact our Data Management Office at (301) 851-8418.

## 4.7.27 Migration Insert Error Support Tool

The Migration Insert Error Support Tool provides the DAAC Operations Staff with a command-line interface to set granules that failed registration into DPL to their pre-insert state for retry by the migration scripts.

### 4.7.27.1 Using the Migration Insert Error Support Tool

The Migration Insert Error Support Tool is started by entering the following command from the /usr/ecs/<mode>/CUSTOM/utilities directory:

```
> EcMgInsertError.pl --mode <mode> [--file <filepath> | --gran <list of ecs ids>]
```

Table 4.7.27-1 shows the parameters for the Migration Insert Error Support Tool.

**Table 4.7.27-1. Command Line Parameters of the Migration Insert Error Support Tool**

Parameter Name	Description
--mode	Mandatory. Specifies the mode of operation. It must be a valid, existing mode with a format of OPS or TS[1-4] or DEV0[1-9].
--file	Optional. Specifies the absolute path of a file containing a list of ECS ids which failed migrating.
--gran	Optional. Specifies a list of ECS ids to process on the command line. The list of ids must be enclosed in double quotes and the ids must be separated by a single white space within the double quotes.
--help	Optional. Prints out the help page for the tool.

There is no required ordered sequence of the parameters. The --mode parameter is mandatory. The --file and --gran parameters must not be used together. When using the --help parameter, the mode need not be specified.

### 4.7.27.2 Migration Insert Error Support Tool Examples

Below are examples for invoking this tool:

#### 1. **EcMgInsertError.pl --mode TS1**

The tool will go to the DsMgError table and identify all granule files that failed registration into DPL (i.e. all granules where ErrorCode = "REGFAILED"). For each granule which failed registration, the granule state in DsMgGranuleState and the file state in DsMgFileState will be set to its pre-insert state (i.e., the R state in DsMgGranuleState and the S state in DsMgFileState) to be retried by the migration data insert script. The error in DsMgError will also be cleared.

## 2. **EcMgInsertError.pl --mode TS1 --file /home/user/ecsids.txt**

Instead of going to the DsMgError table to identify the granules that failed registration, the tool will process the granules in the given input file which failed registration. The behavior is the same as example number one.

## 3. **EcMgInsertError.pl --mode TS1 --gran "1234 3456 7867"**

Instead of going to the DsMgError table to identify the granules that failed registration, the tool will process the granules given on the command-line which failed registration. The behavior is the same as example number one.

## 4. **EcMgInsertError.pl --help**

The tool will print the help page to standard out.

### 4.7.27.3 **Required Operating Environment**

The Migration Insert Error Support Tool will run on the same host as the migration scripts.

### 4.7.27.4 **Interfaces and Data Types**

Table 4.7.27-2 lists the supporting products that this tool depends upon in order to function properly.

**Table 4.7.27-2. Interface Protocols**

<b>Product Dependency</b>	<b>Protocols Used</b>	<b>Comments</b>
Inventory database	SQL	Via SQL server machines.
Perl module	Perl	Module to connect to the database and print out the nicely formatted help page.

### 4.7.27.5 **Configuration File Format – EcMgOnlineArchive.properties**

This tool uses the same configuration files as the migration scripts use. This configuration file contains vital details about how to connect to the Sybase server. Without this file, the tool can not run. Table 4.7.27-3 describes the configuration parameters in the EcMgOnlineArchive.properties file which are applicable to the Migration Insert Error Support Tool.

**Table 4.7.27-3. Configuration Parameters**

<b>Parameter Name</b>	<b>Description</b>
DB_USER	The user name for the Sybase connection.
DB_SERVER	The name of the Sybase SQL server.
DB_PWSEED	Password seed used for connecting to the Sybase database.
DB_AIM	The AIM inventory database name.
DB_RETRY_INTERVAL	The number of seconds to wait for a database retry.
DB_RETRY_COUNT	The number of retries for a failed database execution.

#### **4.7.27.6 Special Constraints**

The Migration Insert Error Support Tool runs only if the AIM database is available.

#### **4.7.27.7 Outputs**

Outputs will be printed to standard out. A simple message stating the number of REGFAILED errors processed successfully and unsuccessfully will be printed. The DAAC Operations Staff should investigate all errors processed unsuccessfully by looking at the log file.

#### **4.7.27.8 Event and Error Messages**

No error messages will be displayed on standard out. Error messages will be logged.

#### **4.7.27.9 Logs**

The tool logs messages in the /usr/ecs/<mode>/CUSTOM/logs/EcMgInsertError.log file.

#### **4.7.27.10 Recovery**

The tool does not support automatic recovery from an interrupted run. Manual intervention will be required to recover from an interrupted run (contact Riverdale for assistance if needed).

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