

814-RD-602-001

EOSDIS Core System Project

Version 2 Drop 6A.04 Release for the ECS Project

May 2001

Raytheon Company
Upper Marlboro, Maryland

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Version 2 Drop 6A.04 Release for the ECS Project

May 2001

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Preface

This document is submitted as required by the ECS Contract and does not require Government approval.

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Abstract

This document describes the contents of the Version 2 Drop 6A.04 delivery. Version 2 Drop 6A.04 will be delivered to the Distributed Active Archive Centers (DAACs) as a part of the final pre-launch delivery. This document describes the configuration for Drop 6A.04. This includes:

- Custom software released as of May 9, 2001
- Commercial off the shelf (COTS) hardware and software
- Public domain software.

This document also provides a description of the product capabilities, inventory of the delivery, and any information pertinent to the installation and operations of this product.

Keywords: 5A, 5B, 6A, CCR, code, configuration, COTS, hardware, mapping, inventory, listing, NCR, release, software, tar file, version.

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1. Introduction

1.1 Purpose

Patch Release 6A.04 is the first patch release to the DAACs from the 6A baseline. This patch requires all DAACs to be on a baseline consistent with the IRIX operating system upgrade being complete and the 5B.07 Patch Release having been installed.

Refer to section 5 for a complete list of NCRs fixed by this patch.

1.2 Scope

This document describes the contents of the patch delivery for 6A, version 4. The document identifies the baseline and patch level of the delivery. It also provides an inventory of the delivery, list fixed NCRs, and special operating instructions where applicable.

Additional information regarding this patch is provided on CCR No. 01-0399.

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2. Related Documentation

211-TP-006 Transition Plan 5B to 6A for ECS Project

910-TDA-022 Custom Code Configuration Parameters for ECS Release 6A, Rev 03

910-TDA-022 Custom Code Configuration Parameters for ECS Release 5B

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3. General Patch Description

3.1 General Capabilities

There are approximately 702 NCR fixes included with this release. As the custom code release for the transition of baselines for transition of baselines for the support of reprocessing for Terra (ECS and SIPS), Aqua instrument data processing and archiving, and ICESat GLAS, Release 6A includes the following new capabilities:

The following new capabilities are delivered as part of the 6A release. Please refer to the 6A Integration Test Plans for 6A for detailed information regarding these new capabilities. Additional details for the capabilities listed below can be found at:

http://dmsserver.gsfc.nasa.gov/relb_it/relbit.htm

- L7 MOC Engineering
Provides capability to ingest L7MOC Engineering Data via Polling without delivery record.
- Ingest ICESAT
Provides ability to ingest ICESAT data via the INGEST SIPS interface
- SBSRV FtpPull Acquires
Allows subscriptions to be submitted that specify an FTP Pull Acquire as an action
- VOGW Access to Non-Science Collections
Enables searches to be conducted against non-science collections and against granules without spatial and/or temporal metadata
- DDIST Data/Staging Logging
Provides data access and staging activity logs that record the activities associated with archive processing
- Attached DPRs/JDT ODForms
Provides the capability to construct a standing Product Processing Order associated with a Data Acquisition Request
- Reprocessing
Capability incorporated to reprocess data products from any original or updated single data input or combination of inputs
- V0 Gateway Enhancements
Ability to use EDG Client to perform searches on specified attributes
- Parallel AMASS I/O

Allows multiple read/writes to the archive in parallel to improve performance

- Logical Archive

Separates physical location of archived data from the logical location kept in inventory. This allows volume groups to be moved to different physical locations without changing the ID stored in the SDSRV

- Request Manager

Allows STMGT client code to checkpoint requests directly to the database and allows servers to handle requests within a fixed number of threads

- SDSRV Performance -- Batch Insert/Update

Optimizes SQL calls from the SDSRV to Sybase by grouping multiple statements into a single batch and sending them to Sybase together

- SDSRV Performance -- Malloc Reduction

Reduces the number of malloc operations on search, insert validation, and event notification to SBSRV.

- SDSRV Performance -- Dirty Reads

Allows dirty reads when receiving a large number of insert and search requests at the same time.

- SDSRV Performance -- Autoinspect

Stores metadata information in the SDSRV client so that some requests from the client to the SDSRV can be eliminated.

- Granule Deletion

Allows operators to delete granules via a command line interface.

- Machine to Machine Gateway

Provides an automated inventory search, product request, and integrated search and order capability.

MAJOR NCR FIXES:

This software version contains approximately 702 NCR fixes affecting all Subsystems.

3.1.1 General Notes

There have been significant changes to STMGT for Drop 6A:

- STMGT is providing several new servers. Instructions are provided for configuring these new servers (refer to the Installation Instructions section 4.4 in Appendix B); and for deleting obsolete servers (section 2.D in Appendix B).

- Several STMGT components, including the FTP Client and Copy Daemons, will no longer be required.
- Only one STMGT server, the newly-added EcDsStRequestManager, will use DCE. All communications between other servers and STMGT servers will be made via the EcDsStRequestManager.
- The STMGT GUI has been re-engineered and has a new look.

Table 5.4 presents STMGT NCRs that while not merged to the 6A baseline, no longer represent problems due to the STMGT re-write. These NCRs are listed as Overcome by Events (OBE).

The new STMGT Servers will have to be added to Whazzup prior to MODE initialization and the Daemons (Copy and FTP Client) and old servers will have to be removed.

The ECS Assistant SubSystem Manager has a new look. Its basic functionality has not changed.

There is a change in the MSS Order Tracking database to support the Attached DPR functionality. Due to this change, GDS Order Tracking replication will be suspended at a DAAC whenever that DAAC's database is different from the SMC's database. The SMC will coordinate the database upgrade with each of the DAACs. Instructions for disabling replication are included in Appendix B Section 2, "Setup, Staging, Mode Preparation." Instructions for re-enabling replication, once both the DAAC and the SMC have been upgraded, are included in Appendix B Section 6, "Other Pre-Startup Installation and Configuration Activities."

Note that if the SMC upgrades before a DAAC, that DAAC will need to disable replication from the time that the SMC makes the upgrade until the DAAC upgrade is complete. In this case, the DAAC can perform the replication configuration changes and enable replication at the same time as it performs the 6A.04 upgrade.

If the DAAC upgrades before the SMC, however, the DAAC will need to disable replication prior to patching the MSS database and will need to wait to make replication configuration changes and enable replication after the SMC has performed its upgrade.

These installation instructions in Appendix B Section 3 of this document are written to support a 5B.07 to 6A.04 transition. Separate instructions are available for the PVC and the VATC to document a 6A.03 to 6A.04 transition.

There is also no new delivery of HP code. This remains unchanged from previous versions and requires no update. It is planned that HP functionality will be transitioned to SUN platforms in a future patch release.

Any operating procedures and training information affected by this release will be addressed in available interim updates to the Document 611 (procedures) and Document 625 (training) volumes posted on the SMC web site.

3.1.2 Notes on configuration changes

- 1) **Configuration parameter updates** – There are currently two practical ways to update Registry configuration parameters: applying registry patches or running mkcfg and repopulating the Registry. In order to minimize the time required for transition, registry patches will be used wherever possible. To keep configuration files synchronized with the registry database, mkcfg will be run for all subsystems at a later time (after the transition is complete and the system is operational).
- 2) **Mkcfgs** – After the Drop 6A code has been installed, mkcfg will be performed for all new servers (the .rgypatch process will be used to update registry configuration parameters for existing servers) and for certain components (such as Toolkit) that use the mkcfg process for other purposes. As a post-installation activity (once the mode has been installed and started using the updated registry values), mkcfg will be run from EASI for all servers so that the .CFG.rgy files may be updated for all servers so that they are better synchronized with the registry configuration parameters. See the Appendix B: Subsystem Configuration Parameters section for further details.
- 3) **Database Updates** – Database patches or upgrade scripts will generally need to be applied for the following subsystems: CSS/Registry, DSS/STMGT, DSS/SDSRV, INGEST, MSS, and PDPS. Note that some database patches may not need to be applied if certain TEs have already been installed. See Appendix B: Subsystem Database Builds/Patches section for further details.

<u>Subsystem/Comp.</u>	<u>Server name</u>	<u>Db name</u>	<u>6A.04 Version</u>
CSS/Reg.	xxicgxx_srvr	EcCsRegistry[_<MODE>]	6101
CSS/Sub Srvr.	xxinsxx_srvr	SubServer[_<MODE>]	50
DMS	xxinsxx_srvr	EcDmDictService[_<MODE>]	83/82
Ingest	xxicgxx_srvr	Ingest[_<MODE>]	6110
IOS	xxinsxx_srvr	IoAdAdvService[_<MODE>]	52
MSS	xxmssxx_srvr	mss_acct_db[_<MODE>]	60
PDPS	xxplsxx_srvr	pdps[_<MODE>]	6015
SDSRV	xxacgxx_srvr	EcDsScienceDataServer1[_<MODE>]	6068
STMGT	xxacgxx_srvr	stmgtdb1[_<MODE>]	70.70

4) **Mkcds** – The ECS Assist Subsystem manager will be used to run mkcdsentry for all new servers.

5) **Registry Patches** – Registry patches are provided for CSS/IDG, DMS, INS, and MSS.

For additional details refer to the configuration section in the Installation Instructions, Appendix B.

3.2 Subsystem Impacts

All CI/subsystems are affected by this release.

3.3 Test Executables Required

Minimum 5B.07 TE Levels Required to Proceed to 6A.04 Installation

- 5B.07_SYS.01A
- 5B.07_ACG.01
- 5B.07_REGISTRY.01

Minimum 6A.04 TE Level Required to be Install in Conjunction with the 6A.04 Installation

- 6A.04_HDF.01

Several Test Executables were recently issued to the DAACs for installation on top of Drop 5B.07. Those TEs will be over written by the 6A.04 install. Also, additional fixes have been applied to the 6A.04 baseline that are important and thus should be applied at the same time as the 6A.04 install. Thus far one TE for 6A.04 has been released. The 6A.04_HDF.01 should be installed. As of publication date TEs for 6A.04_PDPS and 6A.04_MSS.01 are planned.

Remember that there may be additional TEs released before you are ready to install 6A.04 at your site.

4. Inventory

The 6A.04 delivery includes three tar files (SUN, SGI IRIX 6.5, and Toolkit for IRIX 6.5). Due to the large size of the tar files, a full listing of the contents is not provided here. The contents and checksums of the files are provided at the following locations:

http://pete.hitc.com/baseline/Custom_SW/6A/6A.04/

http://cmdm.east.hitc.com/baseline/Custom_SW/6A/6A.04/

The following tar files have been delivered to the System Monitoring and Coordination Center (SMC) for distribution to the EDC, GSFC, NSIDC, and LaRC DAACs:

For SUN and IRIX Code:

TAR LOCATION:

/net/blood/data5/6A.04_9MAY_TEST_6A04_iris65_20010509_163941

/net/blood/data5/6A.04_9MAY_TEST_6A04_sun5.5_20010509_163119

CKSUM:

/net/blood/data5/6A.04_9MAY_TEST_6A04_iris65_20010509_163941_Pkg.tar.gz_CKSUM

3161544555 227307045

6A.04_9MAY_TEST_6A04_iris65_20010509_163941_Pkg.tar.gz

/net/blood/data5/6A.04_9MAY_TEST_6A04_sun5.5_20010509_163119_Pkg.tar.gz_CKSUM

3743940582 479803763

6A.04_9MAY_TEST_6A04_sun5.5_20010509_163119_Pkg.tar.gz

LISTING:

/net/blood/data5/6A.04_9MAY_TEST_6A04_iris65_20010509_163941_Pkg.tar.gz_LISTING

/net/blood/data5/6A.04_9MAY_TEST_6A04_sun5.5_20010509_163119_Pkg.tar.gz_LISTING

For Toolkit Code:

/net/blood/data6/6A04_TOOLKIT_iris65_20010418_113646

/net/blood/data6/6A04_TOOLKIT_iris65_20010418_113646_Pkg.tar.gz_CKSUM

/net/blood/data6/6A04_TOOLKIT_iris65_20010418_113646_Pkg.tar.gz_LISTING

No HP TAR Files are included in this 6A.04 distribution, continue to use existing HP code.

5. Non-Conformance Status

5.1 Overview

This section contains the list of problems fixed (Section 5.2) in this delivery. The NCR list in section 5.2 was last updated May 15, 2001. The list of problems was found and recorded during the 6A.04 Integration effort and captured in the formal problem tracking system, Distributed Defect Tracking System (DDTS).

To obtain a detailed description of the NCRs, the DDTS system can be accessed from the following WEB page:

<http://newsroom.gsfc.nasa.gov/ddts/>

5.2 Fixed NCRs

This section contains a list of all NCRs that represent code or files that were merged during the 6A.04 integration effort.

Table 5-1 contains the Fixed NCRs in numerical order by NCR ID.

5.3• Explanation of any changes to the NCR table since the NCR Resolved in 6A List was published

This section contains a list of all NCRs fixed in 6A that have been deleted because the fixes that were merged were incomplete or did not resolve the problem. This list will also show NCRs that have failed verification from the Fixed NCR category (Section 5.2).

NCR	ACTION	REASON
ECSed24996	Remove	A-State Not fixed in this release
ECSed25977	To C State	Closed
ECSed27222	Remove	A-State Not fixed in this release
ECSed27441	Remove	FIX-State Not fixed in this release
ECSed27706		Still in test
ECSed28623	Remove	A-State Not fixed in this release
ECSed29395	Remove	A-State Not fixed in this release
ECSed30129	Remove	A-State Not fixed in this release
ECSed30693	To V State	Verified
ECSed30662	To V State	Verified

Table 5-1. NCRs Fixed in 6A

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
1	ECSed08098	OPS_DPS	4	C	EDF	JBEXEC: Performance Statistics not updated for PGE runs.	EDF	
2	ECSed09026	OPS_INGST	3	C	EDF	EAN received by EDOS via E-mail contained no content	EDF	
3	ECSed11764	OPS_INGST	3	V	EDC DAAC	FTP problem with symbols in ftp password.	DAAC	
4	ECSed19634	OPS_Toolkit	3	T	GSFC DAAC	Can not validate toolkit installation.		Verify at site. Local installation problem.
5	ECSed19701	OPS_INGST	3	C	EDC	Ingest GUI disappeared while attempting to print from the History Log screen	DAAC	
6	ECSed20763	OPS_INGST	3	C	EDF	Polling w/DR fails if CompareFileContentsFlag is yes	EDF	
7	ECSed21031	OPS_CLS	3	C	EDF	JDT: Attribute summary display comes up with different order	EDF	
8	ECSed22589	OPS_CLS	3	C	EDC DAAC	JDT: Error in lake placement on the map	DAAC	
9	ECSed23024	OPS_DDIST	4	C	EDF	Default Database Name Not correct	EDF	
10	ECSed23778	OPS_DMS	2	V	EDC DAAC	Conflicting Status Messages	DAAC	
11	ECSed23914	OPS_DBDM	3	T	GSFC DAAC	GSFC/SMC - Sybase backups reside on local disk		Verify at site. Problem unique to GSFC/SMC
12	ECSed24407	OPS_SDSRV_II F	3	C	EDF	SDSRV config parameters hard coded in .cfgparms and Mkcfcg	EDF	
13	ECSed24899	OPS_CLS	3	C	EDF	JDT: Overlays don't provide enough detail.	EDF	
14	ECSed24906	OPS_CLS	3	C	EDF	JDT: Spatial: 'Delete' key not hooked up to AOI table delete function	EDF	
15	ECSed24909	OPS_CLS	3	C	EDF	JDT: AOI Outline not reprojected	EDF	
16	ECSed24918	OPS_CLS	3	C	EDF	JDT: Map doesn't always display.	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
17	ECSed24921	OPS_CLS	3	C	EDF	JDT: If user logged on as ECS Guest, then disable the following...	EDF	
18	ECSed24937	OPS_CLS	3	C	EDF	JDT: "Reset All" Button shrinks all folders	EDF	
19	ECSed24939	OPS_CLS	3	C	EDF	JDT: Distinguish mandatory parameters from the rest.	EDF	
20	ECSed25095	OPS_MSS	3	C	EDF	PVC sitemap errors	EDF	
21	ECSed25469	OPS_CLS	4	C	EDF	JDT:Search Status Dialog should display rotating gif for in-progress sta	EDF	
22	ECSed25749	OPS_DDIST	3	C	GSFC DAAC	GSFC/SMC - Distribution GUI's Filter malfunction	DAAC	
23	ECSed25851	OPS_IDG	3	C	NSIDC DAAC	Subscription GUI: Browse Events button causes GUI to hang u	DAAC	
24	ECSed25909	OPS_CLS	3	C	EDF	JDT: Create/Edit DAR resetAll default-values do not refresh.	EDF	
25	ECSed25977	OPS_MSS	3	C	VATC	Incorrect Priority Passed on Acquire	TEST	
26	ECSed26119	OPS_MSS	3	C	EDF	sitemap changes needed for the EDF	EDF	
27	ECSed26146	OPS_SDSRV_D TS	1	C	PVC	LandSat-7 Acquire fails during subsetting.	TEST	
28	ECSed26179	OPS_DMS	3	C	EDF	V0GW returns incorrect status to EDG if no PH granules are found	EDF	
29	ECSed26240	OPS_MSS	3	C	EDF	Need to add PVC to MsAcHomeDAAC.dat file	EDF	
30	ECSed26390	OPS_DMS	2	V	EDC DAAC	Center point Lat/Lon wrong for Landsat 7 searches around 18	DAAC	
31	ECSed26416	OPS_CLS	3	C	EDF	JDT: Fonts too small on PC	EDF	
32	ECSed26418	OPS_CLS	3	C	EDF	JDT: Gridline spacing on maps	EDF	
33	ECSed26471	OPS_DPS	2	C	EDF	Stage failures don't result in cleanup of processing tables	EDF	
34	ECSed26493	OPS_CLS	3	C	EDC DAAC	OPS:5A.04+Barracuda.01: Java DAR tool /tmp files	DAAC	
35	ECSed26495	OPS_DPS	2	C	LaRC DAAC	MIP1 Stage Failure: Insufficient space to create Allocation Object	DAAC	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
36	ECSed26598	OPS_IDG	2	C	PVC	SBSRV must check Add results before doing an Acquire	TEST	
37	ECSed26668	OPS_SDSRV	2	C	PVC	If Error occurs while installing valids SDSRV database can be corrupted	TEST	
38	ECSed26772	OPS_Toolkit	3	C	EDC DAAC	Toolkit: employ file locking on temporary PCF	DAAC	
39	ECSed26813	RelB0_MSS	2	C	EDF	Operability issues with 6A ECS Assist	EDF	
40	ECSed26819	RelB0_PLS	3	C	EDF	PRE - Does not display DPRs in DPR List form.	EDF	
41	ECSed26828	OPS_DMS	2	C	VATC	Inventory Search ODL contains "RESPONSE COMPRESSION"	TEST	
42	ECSed26829	OPS_DMS	2	C	VATC	ECS includes SESSION_ID in monitor group of ECS-GDS Browse Request	TEST	
43	ECSed26851	OPS_SDSRV_ESDT	3	C	EDF	ESD72-80: Make changes to all of the MODIS ESDTs for EDC	EDF	
44	ECSed26859	RelB0_MSS	3	C	EDF	Sitemap: Change needed for String 2 DRP and ICL HWICs	EDF	
45	ECSed26882	OPS_MSS	2	C	EDF	EcDsSrDbValid script needs update to use ECSAssist for valids installat	EDF	
46	ECSed26896	OPS_DPS	2	C	GSFC DAAC	GSFC/SMC - deadlock issues bring down the Autosys Event Pro	DAAC	
47	ECSed26898	RelB0_IDG	3	C	EDF	Reg.GUI: Change Comments box does not always work	EDF	
48	ECSed26909	OPS_DPS	2	C	EDF	Fix to ECSed25929 resulted in problem	EDF	
49	ECSed26914	RelB0_PLS	2	C	EDF	Unable to generate Spatial DPRs in 6A	EDF	
50	ECSed26921	RelB0_SDSRV_DTS	2	C	EDF	EcDsSrDbGetDataFileNames needs updated with the new filestorage table.	EDF	
51	ECSed26946	OPS_SDSRV_ESDT	3	C	EDF	CERES and CERES EDOS descriptors should be deleted	EDF	
52	ECSed26968	OPS_PLS	3	C	EDF	PRE - Display not updated correctly	EDF	
53	ECSed26990	OPS_DMS	2	C	VATC	EcsToAster Gateway timeout before receiving ODL from GDS	TEST	
54	ECSed26991	OPS_CLS	3	C	EDF	JDT: Need to turn all map overlays on by default	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
55	ECSed27004	RelB0_DBDM	3	C	EDF	Obsolete table in PDPS Database	EDF	
56	ECSed27061	RelB0_SDSRV_DTS	3	C	EDF	Remove the rectangle dual insert feature	EDF	
57	ECSed27064	OPS_SDSRV_ESDT	2	C	EDF	sdsrv coredumps in dev04 when hdfeos server is not available	EDF	
58	ECSed27075	RelB0_IDG	2	C	EDF	SubServer doesn't come up in 6A following Registry API merge	EDF	
59	ECSed27076	RelB0_INGST	1	C	EDF	EcInAuto won't start in 6A (FRT) mode in integration lab	EDF	
60	ECSed27086	RelB0_INGST	1	C	EDF	EcInPolling.L7IGS won't come up in FRT, 6A baseline - GI Library problem	EDF	
61	ECSed27115	RelB0_INGST	2	C	EDF	EDOS Backup scripts are not being installed	EDF	
62	ECSed27149	RelB0_DBDM	2	C	EDF	Remove verification of the existence of UR's from trigger	EDF	
63	ECSed27159	OPS_CLS	2	C	EDF	JDT: gui.cfg file is missing some entries	EDF	
64	ECSed27160	OPS_MSS	2	C	EDF	New machine names are required at EDC for IRIX upgrade	EDF	
65	ECSed27172	OPS_CLS	3	C	EDF	JDT: PC Persistence errors	EDF	
66	ECSed27173	OPS_SDSRV_ESDT	3	C	EDF	ESD72-85: Change LongName for MOD35_L2.	EDF	
67	ECSed27181	OPS_DMS	3	C	VATC	Need to change ASGW Simulator files to respond to ASTER ICD msgs	TEST	
68	ECSed27193	RelB0_MSS	2	C	EDF	ECS Assist revertparms gives invalid error message	EDF	
69	ECSed27195	RelB0_SDSRV	3	C	EDF	.cfgpatch is incorrect for Queue Mgmt merge (NCR ECSed25494)	EDF	
70	ECSed27197	RelB0_STMGMT	2	C	EDF	Missing stored procedures during installation	EDF	
71	ECSed27198	RelB0_STMGMT	2	C	EDF	DsStErrorText.sql and DsStErrorAttribute.sql not found during install	EDF	
72	ECSed27199	RelB0_STMGMT	2	C	EDF	Need to correct STMGMT DB Logins	EDF	
73	ECSed27200	RelB0_STMGMT	2	C	EDF	Request Manager core dumped	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
74	ECSed27202	RelB0_STMGT	3	C	EDF	GUI shows wrong available cache space for new caches	EDF	
75	ECSed27206	RelB0_STMGT	3	C	EDF	GenerateErrorFiles process is noisy during installation	EDF	
76	ECSed27207	RelB0_STMGT	3	C	EDF	Trivial requests against virtual staging disks cause logged error	EDF	
77	ECSed27208	RelB0_STMGT	3	C	EDF	Restart Notification from client processes logs an error every time	EDF	
78	ECSed27209	RelB0_MSS	3	C	EDF	6A Version of ECS Assist not refreshing properly after installation.	EDF	
79	ECSed27219	RelB0_STMGT	2	C	EDF	STMGT global symbol collides with DDIST symbol	EDF	
81*	ECSed27223	RelB0_INGST	2	C	EDF	Retryable error during staging results in Suspend	EDF	
82	ECSed27262	RelB0_STMGT	3	C	EDF	Archive Server CUT Fixes	EDF	
83	ECSed27353	RelB0_DPS	2	C	EDF	Can't remove DPRs from Autosys through PDPS SW	EDF	
84	ECSed27356	OPS_SDSRV_ESDT	3	C	EDF	ESD72-88: Add new PSAs to AST_L1A, AST_L1AE, AST_L1B, and AST_L1BE.	EDF	
85	ECSed27366	RelB0_STMGT	2	C	EDF	Staging Disk Cold Start not working	EDF	
86	ECSed27367	RelB0_STMGT	2	C	EDF	Staging Disk clients do not attach to staging disks properly	EDF	
87	ECSed27378	RelB0_STMGT	3	C	EDF	STMGT GUI - Unable to manually enter HWCI when adding Vol Grps	EDF	
88	ECSed27380	RelB0_DPS	2	C	EDF	ProcMakeComputer[Not]InUseByDpr procedures not robust	EDF	
89	ECSed27389	RelB0_SDSRV_IIF	3	C	EDF	.cfgpatch doesn't have correct revision level to install	EDF	
90	ECSed27395	OPS_SDSRV_ESDT	2	C	VATC	Can't Load SEA_ICE ESDTs	TEST	
91	ECSed27398	RelB0_MSS	2	C	EDF	.executables file needs to distinguish between DCE and non-DCE servers	EDF	
92	ECSed27407	RelB0_STMGT	2	C	EDF	CdsEntries are not created for RequestManager	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
93	ECSed27408	OPS_MSS	3	C	EDF	MSS GUIs still use BX3.5	EDF	
94	ECSed27413	RelB0_STMGMT	3	C	EDF	GUI does not refresh server list until server type is clicked on	EDF	
95	ECSed27414	RelB0_SDSRV_DTS	2	C	EDF	Clients attach directly to the Read-Only Cache and perform operations	EDF	
96	ECSed27437	OPS_CLS	2	C	EDF	JDT: AOI point, xAR spatial coordinate pair points is missing last pair	EDF	
97	ECSed27447	RelB0_STMGMT	2	C	EDF	Files not removed from read-only cache properly	EDF	
98	ECSed27452	OPS_CLS	3	C	EDF	JDT: startup html files for JDT need edits per customer request	EDF	
99	ECSed27476	OPS_SDSRV_ESDT	2	C	EDF	Add RangeDateTime to MISR ESDTs MISBR, MIANRCCH, and MISQA	EDF	
100	ECSed27477	RelB0_STMGMT	2	C	EDF	Staging Disk Server does not properly clean up links between stag disks	EDF	
101	ECSed27478	RelB0_STMGMT	2	C	EDF	Database tables lack indexes	EDF	
102	ECSed27501	RelB0_IDG	2	C	EDF	SBSRV GUI: Current dist.opts. values not shown when editing subscription	EDF	
103	ECSed27533	OPS_SDSRV_ESDT	2	C	EDF	Add new valids to the ECS valids file.	EDF	
104	ECSed27534	RelB0_DPS	2	C	EDF	DPR Assumes dprState 6 (success with deallocation) with JobMgmt Failure	EDF	
105	ECSed27539	OPS_Toolkit	2	C	GSFC DAAC	GSFC/SMC: PCF Template in 5B.03 contains incorrect TK version	DAAC	
106	ECSed27551	OPS_CLS	3	C	EDF	JDT: E-Mail message upon submit DAR with server down not complete	EDF	
107	ECSed27554	OPS_CLS	3	C	EDF	JDT: -999 default value in Search Summary is misleading and confusing	EDF	
108	ECSed27555	OPS_CLS	3	C	EDF	JDT: Search Spatial Dialog box too small	EDF	
109	ECSed27556	OPS_CLS	3	C	EDF	JDT: focus of screens when they are desensitized.	EDF	
110	ECSed27557	OPS_CLS	3	C	EDF	JDT: Remove DPR capabilities from toolbar and drop down menu.	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
111	ECSed27561	OPS_CLS	3	C	EDF	JDT: Exception occurs when trying to display scenes	EDF	
112	ECSed27563	OPS_CLS	3	C	EDF	JDT: Needed field of Number of Acquisition windows for DAR	EDF	
113	ECSed27597	RelB0_MSS	2	C	EDF	Unable to execute "Extension script" from 6A version of ECS Assist	EDF	
114	ECSed27598	RelB0_CLS	1	C	EDF	Attached DPR does not work ...	EDF	
115	ECSed27605	OPS_SDSRV_ESDT	3	C	EDF	ESD72_91:New ANCILLARY ESDTs AVI[3,6,9]_AN{H}.	EDF	
116	ECSed27607	RelB0_SDSRV_DTS	2	C	EDF	Add fileSize as part of the output for EDOS Backup script	EDF	
117	ECSed27610	OPS_SDSRV_ESDT	3	C	EDF	ESD72-90:2 new ANCILLARY ESDTs PREPQC and PREPQCH.	EDF	
118	ECSed27616	RelB0_DBDM	3	C	EDF	MSS database versions table not updated to 6A version number	EDF	
119	ECSed27618	RelB0_STMGT	3	C	EDF	STMGT database package install gives errors/warnings during install	EDF	
120	ECSed27627	OPS_MSS	2	V	GSFC DAAC	GSFC/SMC matchup between User interface and database	TEST	
121	ECSed27642	OPS_CLS	3	C	EDF	JDT: DAR Submit ack dialog text needs to be modified	EDF	
122	ECSed27647	RelB0_DPS	3	C	EDF	Need .rgypatch for OnDemand and Reprocessing	EDF	
123	ECSed27650	RelB0_IDG	2	C	EDF	SBSRV GUI: Cannot edit ftppush password	EDF	
124	ECSed27658	RelB0_STMGT	2	C	EDF	Insert and acquire requests hang periodically	EDF	
125	ECSed27659	RelB0_STMGT	2	C	EDF	Inserts fail in ArchiveServer with invalid file size error	EDF	
126	ECSed27667	OPS_SysBld	3	C	EDC DAAC	5B.03 (OPS): Unable to run Extensions in EcsAssist for the	DAAC	
127	ECSed27668	OPS_DMS	2	C	EDC DAAC	5B.03:OPS: Contact info sent to EDG is incorrect	DAAC	
128	ECSed27669	OPS_CLS	3	C	EDF	JDT: DAR id duplicated in html from search on DAR ids	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
129	ECSed27676	RelB0_STMG	1	C	EDF	6A STMG interface for Logical Archive ID out of spec	EDF	
130	ECSed27698	OPS_CLS	3	C	EDC DAAC	JDT:Search Result table headers collapse but columns do not	DAAC	
131	ECSed27699	OPS_CLS	3	C	EDC DAAC	JDT:Search Result table sorting function loses sync between sides	DAAC	
133*	ECSed27711	RelB0_STMG	2	C	EDF	Staging Disk Server core dumped	EDF	
134	ECSed27730	OPS_CLS	2	C	EDC DAAC	Java DAR Tool does not accept usernames longer than 8 chara	DAAC	
135	ECSed27744	OPS_SDSRV_E SDT	2	C	EDF	Db VAlids Install in 6A Error Message	EDF	
136	ECSed27753	RelB0_STMG	2	C	EDF	FtpPull requests stuck in Suspended state	EDF	
137	ECSed27754	RelB0_STMG	2	C	EDF	Restart Notification generates invalid RPC ids	EDF	
138	ECSed27779	OPS_INGST	2	T	EDC DAAC	OPS:Drop5B.03: InGran0 core dumps during ASTER ingest		Verify at site.Requires site supplied data loading
139	ECSed27799	OPS_DBDM	2	T	GSFC DAAC	GSFC/SMC: STMG is causing stack trace error		Verify at site.Site must agree problem not a bug
140	ECSed27810	RelB0_DPS	3	C	EDF	Change DpPrRmLockDisable=1 in /ecs/formal/PDPS/REL_A/DPS/PRONG/.rgypatch	EDF	
141	ECSed27815	RelB0_PLS	3	C	EDF	OdMgr:AST_11B Granules (attached dpr) may fail to convert into Highlevel	EDF	
142	ECSed27847	RelB0_INGST	3	C	EDF	Add comments for ABC++	EDF	
143	ECSed27863	OPS_CLS	2	C	EDC DAAC	ODFRM AST14DEM email UserCategory does not prefixed with X.	DAAC	
144	ECSed27875	RelB0_STMG	2	C	EDF	Archive requests are not always routed to the correct server	EDF	
145	ECSed27883	RelB0_DMS	2	C	EDF	AsterSrvIsRealOrSimltr inconsistent name in mkcfg and .cfgparms	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
146	ECSed27885	OPS_SDSRV_ESDT	3	C	EDF	Delete MODIS ESDTs that are no longer used in ECS.	EDF	
147	ECSed27919	OPS_DPS	3	C	EDF	DpPr_STAGE_WAIT_TIME parameter not in DpPrEM config file	EDF	
148	ECSed27947	OPS_SDSRV_IIF	3	C	LaRC DAAC	File list in SDSRV GUI is not sorted	DAAC	
149	ECSed27972	OPS_DMS	2	C	GSFC DAAC	GSFC/SMC: Search fro MOD35_L2 crashes EDG	DAAC	
150	ECSed27989	RelB0_SDSRV_IIF	2	C	EDF	L7IGSWRS ESDT Install Failed due to Collection Template Change	EDF	
151	ECSed27993	RelB0_DDIST	2	C	EDF	DDIST does not pass priority to STMGT on Retrieve	EDF	
152	ECSed28007	OPS_SDSRV_IIF	2	C	EDF	Potential landsat ingest failures	EDF	
153	ECSed28010	RelB0_SDSRV_IIF	2	C	EDF	EcDsGranule Delete (Populating Working collection with deleted Granules	EDF	
154	ECSed28014	RelB0_IDG	2	C	EDF	MTMGW client script doesn't take care SIGPIPE signal	EDF	
155	ECSed28016	OPS_CLS	3	C	EDF	JDT: temporary fix for scene viewer problem	EDF	
156	ECSed28032	RelB0_SDSRV_ESDT	2	C	EDF	Distribution options need to be removed from ESDT descriptors	EDF	
157	ECSed28034	RelB0_IDG	2	C	EDF	MTMGW Server lacks of Debug Info for successful Granule order	EDF	
158	ECSed28036	RelB0_STMGT	2	C	EDF	Stored procedures fail during installation of database	EDF	
159	ECSed28038	OPS_IDG	1	C	GSFC DAAC	Registry hangs with multiple PDPS requests	DAAC	
160	ECSed28040	OPS_PLS	2	C	GSFC DAAC	GSFC/SMC Staging of Input Granules to PGE01 Inefficient	DAAC	
161	ECSed28043	RelB0_Toolkit	2	C	EDF	Irix 6.5 migration heritage code is causing delivery issues in TK makefi	EDF	
162	ECSed28046	RelB0_SDSRV_DTS	1	C	EDF	Missing Archive ID and L7 Ingest failure	EDF	
163	ECSed28052	RelB0_DPS	2	C	EDF	6A01 Orbit DPREP needs updated ODL/data files	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
164	ECSed28058	OPS_SDSRV_IIF	3	C	EDF	Gui file sorting	EDF	
165	ECSed28064	OPS_SDSRV_ESDT	3	C	EDF	ESD72_114: MODOCQC ARCHIVEDMETADATA LongName TYPE = "STRING" was missing	EDF	
166	ECSed28065	OPS_SDSRV_ESDT	3	C	EDF	Make fixes for AQUA MODIS ESDT MYDOCQC.	EDF	
167	ECSed28070	RelB0_STMGT	2	C	EDF	STMGT does not fail requests resubmitted by SDSRV after DDIST coldstart	EDF	
168	ECSed28071	RelB0_SDSRV_IIF	2	C	VATC	6A.01 Missing Library Files	TEST	
169	ECSed28073	RelB0_SDSRV_IIF	3	C	EDF	Error im message for time range checking	EDF	
170	ECSed28076	RelB0_MSS	2	C	EDF	Stage Location variable is not set properly.	EDF	
171	ECSed28077	OPS_CLS	3	C	EDF	JDT: DAR deletion dialog box more meaningful	EDF	
172	ECSed28078	RelB0_INGST	3	C	VATC	Error in EcInPollingMkcfg script for AppLogLevel parameter	TEST	
173	ECSed28080	OPS_DMS	3	C	EDF	New Valids for L7 and AMSR-E	EDF	
174	ECSed28087	OPS_STMGT	2	C	EDC DAAC	5B.04:All Modes: Email notification contains wrong directo	DAAC	
175	ECSed28096	RelB0_SDSRV	2	C	EDF	Removal of records in DsMdDeletedGranuels with status != 0	EDF	
176	ECSed28097	RelB0_DBDM	2	C	EDF	EcPIDbPatch script needs to be updated	EDF	
177	ECSed28099	RelB0_STMGT	2	C	VATC	Incorrect DB Login Script	TEST	
178	ECSed28110	RelB0_DMS	2	C	EDF	The DMS .rgypatch and .cfpatch files are not consistent and have errors	EDF	
179	ECSed28112	RelB0_INGST	3	C	VATC	EcInGran core dumps when preprocessing bad AMIATTF data	TEST	
180	ECSed28114	RelB0_MSS	2	C	VATC	The .cfpatch files for MSS are not correct for 6A	TEST	
181	ECSed28115	RelB0_CLS	2	C	VATC	The .cfpatch for CLS must be updated for 6A.01 and 6A.02	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
182	ECSed28116	RelB0_MSS	3	C	EDF	The old COMMON .cfgpatch files should be modified for 6A.01	EDF	
183	ECSed28119	RelB0_DMS	2	C	VATC	The .dbparms for DMS is not correct for 6A.01	TEST	
184	ECSed28121	RelB0_INGST	2	C	VATC	The database version is wrong for the .cfgtpach for INGEST in 6A.01	TEST	
185	ECSed28123	RelB0_IOS	2	C	VATC	The 6A .cfgpatch for IOS should be updated to 6A	TEST	
186	ECSed28132	RelB0_STMGT	2	C	VATC	Password can cause Acquire to Fail	TEST	
187	ECSed28134	RelB0_STMGT	2	C	VATC	ESDMap Script Doesn't Run in 6A.01	TEST	
188	ECSed28139	OPS_SDSRV_E SDT	5	C	EDF	Added new ECS Keywords for MODIS Atmosphere to the ECS Valids file.	EDF	
189	ECSed28145	RelB0_IDG	2	C	EDF	MTMGW failed to chech valids of transfer attributes in order request	EDF	
190	ECSed28148	RelB0_SDSRV	2	C	EDF	DoAdd Defect	EDF	
191	ECSed28150	RelB0_SDSRV	2	C	EDF	Should be able to physically delete DFAed granules	EDF	
192	ECSed28155	RelB0_PLS	4	C	EDF	PRE - Incorrect dates displayed	EDF	
193	ECSed28156	RelB0_STMGT	2	C	VATC	STMGT Passes Diff Info on Dup Req - Acquire Fails	TEST	
194	ECSed28163	RelB0_STMGT	2	C	EDF	Acquires fail intermittently with UnableToOpenFileToFTP mnemonic	EDF	
195	ECSed28165	RelB0_STMGT	2	C	EDF	Cache is not cleaned on cold start	EDF	
196	ECSed28174	RelB0_IDG	2	C	EDF	MTMGW failed to check the validity of mss user id and continue	EDF	
197	ECSed28183	RelB0_SDSRV_ IIF	3	C	EDF	Missing message for fail to find items from geoidfile & localgranulefile	EDF	
198	ECSed28195	RelB0_IDG	2	C	EDF	MTMGW client script doesn't display all request parameters	EDF	
199	ECSed28198	RelB0_DBDM	3	C	EDF	Update EcDbDDMUpdateVersionTable script for Drop 6A.	EDF	
200	ECSed28203	OPS_CLS	2	C	EDC DAAC	OPS:5B.03:ASTER On-Demand Processing Requests Gui Error message	DAAC	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
201	ECSed28208	RelB0_SDSRV	2	C	EDF	DeleteEffectiveDate in DsMdAttributeList needs to be modified.	EDF	
202	ECSed28214	RelB0_STMGT	2	C	EDF	DsStVGGetVolumeGroupInfo doesn't return right data spec for SDSRV use	EDF	
203	ECSed28215	OPS_Sci_Office	2	C	EDF	New Valids needed for GLAS ESDTs	EDF	
204	ECSed28225	RelB0_SDSRV_DTS	3	C	EDF	ABC++ document update	EDF	
205	ECSed28240	OPS_CLS	2	C	EDF	JDT: Debug messaging is negatively impacting the tools performance	EDF	
206	ECSed28241	OPS_CLS	3	C	EDF	JDT: Suspend DAR & Modify buttons don't get enable on a submit	EDF	
207	ECSed28242	OPS_CLS	3	C	EDF	JDT: Order the percentage list on cloud coverage drop down box	EDF	
208	ECSed28248	RelB0_SDSRV_DTS	2	C	EDF	DsDbInterface skips errors in batch mode	EDF	
209	ECSed28257	RelB0_SDSRV	2	C	EDF	DeletionCleanup & RemoveLock scripts for Gran.Deletion are not delivered	EDF	
210	ECSed28262	RelB0_SDSRV	3	C	EDF	EcDsGranuleDelete does not work with the Registry	EDF	
211	ECSed28264	RelB0_IDG	2	C	EDF	Beautify xml search result in MTMGW	EDF	
212	ECSed28266	RelB0_IDG	2	C	EDF	MTMGW cannot handle request without BR,QA and PH specification.	EDF	
213	ECSed28267	RelB0_STMGT	2	C	EDF	Access to DsStPendingDelete for sdsrv_role is needed.	EDF	
214	ECSed28273	RelB0_STMGT	3	C	EDF	STMGT GUI Select All button for Batch Delete does not work	EDF	
215	ECSed28274	RelB0_STMGT	3	C	EDF	STMGT GUI does not support repeated Batch Delete operations	EDF	
216	ECSed28287	RelB0_DPS	1	C	EDF	EM unpredictable SEGV	EDF	
217	ECSed28288	RelB0_SDSRV	1	C	EDF	Can't Get ESDT Reference Using UR Generated By Insert	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
218	ECSed28291	RelB0_STMGT	2	V	VATC	Need Scripts to Clean Up DsStGenericRequest STMGT DB Table	TEST	
219	ECSed28293	RelB0_STMGT	3	C	VATC	Bad Error Mnemonic Returned on FTP	TEST	
220	ECSed28296	RelB0_SDSRV	2	C	EDF	EcDsCheckArchive script req mod to function with archive date ranges	EDF	
221	ECSed28297	RelB0_IDG	2	C	EDF	MTMGW order result should contain ExternalRequestID if it is provided.	EDF	
222	ECSed28302	OPS_SDSRV_E SDT	1	C	EDF	Create Version 199 for MISR Level2 Public Release	EDF	
223	ECSed28305	RelB0_STMGT	1	C	EDF	Two store procedures were missing in the 6A installation for STMGT	EDF	
224	ECSed28314	RelB0_DMS	2	C	EDF	AsterToEcs core dumps on search when stripping media types	EDF	
225	ECSed28316	RelB0_STMGT	2	C	EDF	Identity value overflow while inserting into DsStBackupHistory table	EDF	
226	ECSed28321	OPS_CLS	2	C	EDC DAAC	ASTER ODFRM customer submittal email is incomplete.	DAAC	
227	ECSed28343	OPS_MSS	2	C	EDF	The .sitemap and related files must be updated for Funct. Lab installs	EDF	
228	ECSed28352	RelB0_SDSRV_ IIF	2	C	EDF	DsClAcquireCommand missing REQUESTID	EDF	
229	ECSed28354	RelB0_SDSRV	2	C	EDF	GranuleDeletion time parameters must include date AND time	EDF	
230	ECSed28355	RelB0_SDSRV_ DTS	2	C	VATC	MOC Script Doesn't Send File After Failure	TEST	
231	ECSed28361	RelB0_SDSRV	2	C	EDF	Granule Deletion default behavior when DFA a granule needs to be changed	EDF	
232	ECSed28379	RelB0_STMGT	2	C	EDF	DLT Server defined as a client in .executables file	EDF	
233	ECSed28385	OPS_Toolkit	2	C	EDF	PGS_CSC_RectToGeoCen makes only latitudes >= 0	EDF	
234	ECSed28388	RelB0_MSS	2	C	VATC	EcCoSaveDirs & EcCoDeleteMode EA Scripts Fail	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
235	ECSed28392	RelB0_STMGMT	2	C	EDF	Missing stored procedure DsStMSelectByName for Media Servers	EDF	
236	ECSed28396	RelB0_SDSRV_IIF	2	C	EDF	Backout of SDSRV service validation	EDF	
237	ECSed28405	OPS_CLS	3	C	EDF	JDT: Polar projection types cause tool to hang.	EDF	
238	ECSed28411	RelB0_SDSRV_ESDT	2	C	EDF	L7IGSWRS granule fails during IGS Pre-int testin	EDF	
239	ECSed28415	RelB0_SDSRV	2	C	EDF	Batch Insert fails for MOD09GQK	EDF	
240	ECSed28423	RelB0_SDSRV	3	C	EDF	.cfgpatch does not include new GranuleDelete client	EDF	
241	ECSed28425	OPS_MSS	3	C	EDC DAAC	All modes:5BP:ECS/EDG Seamless User Account "Integration"	DAAC	
242	ECSed28430	RelB0_IDG	2	C	EDF	EcFhFaultHandler catches rpc_s_fault_context_mismatch	EDF	
243	ECSed28435	OPS_DDIST	1	C	PVC	DDIST server gets into an infinite loop	TEST	
244	ECSed28443	RelB0_DMS	3	C	VATC	Beginning/Ending Date/Time not shown for single granule search	TEST	
245	ECSed28447	RelB0_STMGMT	2	C	EDF	STMGMT GUI: Operator should be prompted for confirmation on Batch Delete	EDF	
246	ECSed28448	RelB0_STMGMT	2	C	EDF	Stored Procedure DsStMInsert is missing commit transaction	EDF	
247	ECSed28455	RelB0_SDSRV	2	C	EDF	Granule Deletion cleanup script doesn't process old requests properly	EDF	
248	ECSed28458	RelB0_IDG	2	C	EDF	MTMGW fails to cancel the order when there is no granule to order	EDF	
249	ECSed28459	RelB0_PLS	4	C	EDF	ABC++ fill in missing descriptions, description files.	EDF	
250	ECSed28462	RelB0_SDSRV_IIF	2	C	EDF	SDSRV Core dump for Acquire AST_L1BT	EDF	
251	ECSed28475	RelB0_SDSRV_DTS	2	C	VATC	Merge/Deliver 6A SDS QA MUT (OSS) to 6A.T2	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
252	ECSed28476	RelB0_DMS	3	C	VATC	QAPERCENTMISSINGDATA is missing from search via Return Default option	TEST	
253	ECSed28478	RelB0_SDSRV	2	C	VATC	Asynchronous acquires for L70RWRS fail during warm-start of SDSRV	TEST	
254	ECSed28479	RelB0_DMS	2	C	EDF	FTP Browse product request uses FTTPUSH not FTTPULL	EDF	
255	ECSed28481	RelB0_STMGT	2	C	EDF	Ftp Browse request email doesn't indicate server from which to FTP	EDF	
256	ECSed28482	RelB0_SDSRV_IIF	3	C	EDF	date and time format should be more flexible for temporal/insert times	EDF	
257	ECSed28484	OPS_DPS	2	C	EDF	Update makefile for synthetic pges	EDF	
258	ECSed28489	RelB0_SDSRV_IIF	3	C	EDF	Purify 6A SDSRV	EDF	
259	ECSed28492	RelB0_STMGT	2	C	EDF	Cleanup the 6A STMGT database build	EDF	
260	ECSed28495	RelB0_STMGT	2	C	EDF	Cache Manager does not clean up its managed area after a cold start	EDF	
261	ECSed28509	RelB0_STMGT	2	C	EDF	SDSRV core dump in Archive client library	EDF	
262	ECSed28528	RelB0_SDSRV	4	C	EDF	GranuleDelete refers to 'excluded' datatypes as 'landsat' datatypes	EDF	
263	ECSed28538	RelB0_SDSRV	2	C	EDF	GranuleDelete client shows success msg when not all granules are deleted	EDF	
264	ECSed28543	RelB0_SDSRV	2	C	EDF	SDSRV unlocks the DsMdDeletedGranules table when detects it's locked	EDF	
265	ECSed28551	RelB0_CLS	2	C	EDF	JDT: Debug messages overwhelm the tool causing it to run out of memory	EDF	
266	ECSed28552	OPS_DPS	2	C	EDF	Production halts -- may be due to a problem with DPS Locks	EDF	
267	ECSed28558	OPS_DBDM	3	C	EDF	Update EcDbDDMUpdateVersionTable script for Drop 5B.07 (5BP-Addendum II)	EDF	
268	ECSed28570	RelB0_STMGT	2	C	EDF	Retry requests to EcDsStRequestManager may hang	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
269	ECSed28572	RelB0_Toolkit	2	C	EDF	Modification on INSTALL, INSTALL-HDFEOS-Wrap files	EDF	
270	ECSed28607	OPS_DMS	2	V	EDC DAAC	OPS:5BPRT:SA:V0Gateway virtual size growing rapidly.	DAAC	
271	ECSed28613	RelB0_Sci_Office	3	C	EDF	Duplicate line in AST_04.001 and AST_06VD.001 descriptors	EDF	
272	ECSed28617	OPS_SDSRV_ESDT	5	C	EDF	New AMSR DLL required	EDF	
274*	ECSed28632	RelB0_STMGT	2	C	EDF	typeMismatch exception after call to DsCstSPCPGetLocalStagDiskServer	EDF	
275	ECSed28637	RelB0_STMGT	2	C	EDF	PullMonitor does not clean cache or user area on cold start	EDF	
276	ECSed28641	RelB0_DDIST	3	C	EDF	The .EcDsDistributionServer.iu is still trying to install 4MM lib, etc.	EDF	
277	ECSed28645	RelB0_IDG	2	C	EDF	Unable to qualify subscriptions	EDF	
278	ECSed28653	OPS_CLS	3	C	EDF	JDT: Thread Debug at Start-up Needs to Be Removed	EDF	
279	ECSed28733	OPS_CLS	3	C	EDF	JDT: Should not copy start_jess on JDT install	EDF	
280	ECSed28740	RelB0_STMGT	2	C	EDF	Load Media missing from STMGT Gui for D3 Server	EDF	
281	ECSed28743	RelB0_STMGT	3	C	EDF	Creating and Displaying Media Sets Error	EDF	
282	ECSed28744	RelB0_STMGT	3	C	EDF	Clear Media ID field on Load Media Screen	EDF	
283	ECSed28745	RelB0_DBDM	3	C	EDF	Need to add maintenance user login to support Sybase Replication	EDF	
284	ECSed28748	OPS_IDG	2	C	EDF	Additional log information must be captured for Mutex locks	EDF	
285	ECSed28759	RelB0_SDSRV_ESDT	2	C	EDF	Staging Disk leaks during L7 acquire	EDF	
286	ECSed28771	RelB0_STMGT	3	C	EDF	Creating and Displaying Media Sets Error	EDF	
287	ECSed28772	RelB0_DPS	3	C	EDF	Add warning when alternate inputs not found	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
288	ECSed28777	OPS_SDSRV_IIF	3	C	EDF	Failure on multiple granule delete	EDF	
289	ECSed28778	RelB0_STMGT	2	C	EDF	Missing stored procedure for Allocation in D3 Ingest	EDF	
290	ECSed28781	RelB0_SDSRV_ESDT	2	C	EDF	Fixed and Floating Acquires misestimating staging disk sizes	EDF	
291	ECSed28794	RelB0_STMGT	2	C	EDF	Some Archive Retrieve requests hang under stress	EDF	
292	ECSed28797	OPS_CLS	3	C	EDF	JDT: Implement a more efficient data storage structure for screen attrs.	EDF	
293	ECSed28802	RelB0_DBDM	3	C	VATC	Syntax error in 6A MSS database patch	TEST	
294	ECSed28804	RelB0_IDG	2	C	VATC	.EcCsMtMGW.iu should not have "*" specifying all the file	TEST	
295	ECSed28811	RelB0_STMGT	2	C	EDF	Remove identity field from DsStRoutingWork table	EDF	
296	ECSed28812	RelB0_STMGT	2	C	EDF	Delete identity field from DsStStagingDiskLien	EDF	
297	ECSed28813	RelB0_STMGT	3	C	EDF	Remove as many cursors as possible from stored procedures	EDF	
298	ECSed28817	RelB0_INGST	3	C	EDF	Can remove security calls and SECURITYON config parameter	EDF	
299	ECSed28819	OPS_SDSRV	2	C	LaRC DAAC	Cannot order MISR data from search paths 1 to 99.	DAAC	
300	ECSed28820	OPS_CLS	3	C	EDF	JDT: Confirmation of Submitted 'Request for DAR Budget'	EDF	
301	ECSed28824	RelB0_MSS	3	C	EDF	sitemap updates needed to 6A02 in VATC and PVC	EDF	
302	ECSed28830	OPS_SDSRV	3	C	EDF	EcDsCheckArchive script doesn't handle single ESDT archive with null val	EDF	
303	ECSed28837	RelB0_SDSRV_IIF	4	C	EDF	EcDsDeletionCleanup.README & EcDsResetLock.README are not delivered	EDF	
304	ECSed28841	RelB0_DDIST	2	C	VATC	Two libraries are missing from the .iu for DDIST for 6A	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
305	ECSed28842	RelB0_IDG	2	C	EDF	Two libraries are missing from the .iu for Subscription Server in 6A	EDF	
306	ECSed28844	OPS_CLS	3	C	EDF	JDT: decrease JAR size, dangling objects in DAR request code	EDF	
307	ECSed28846	RelB0_STMGT	2	C	VATC	Increase identity field from 5 to 15	TEST	
308	ECSed28853	OPS_STMGT	3	C	EDF	The Database Drop Script for STMGT database builds indicate errors	EDF	
309	ECSed28857	RelB0_DBDM	3	C	EDF	TrigDelPIDprCompletion omitted in the baseline EcPICreatePDPSDatabase sc	EDF	
310	ECSed28867	OPS_DPS	3	C	EDF	PM-1 DPREP attitude performs erroneous QA flagging.	EDF	
311	ECSed28870	OPS_SDSRV_ESDT	5	C	EDF	ESD72-125:MOD12M: Delete ESDT from ESDT Baseline.	EDF	
312	ECSed28881	OPS_CLS	3	C	EDF	JDT: scenes viewer needs to support toggling of scenes	EDF	
313	ECSed28885	RelB0_INGST	2	C	EDF	Modify Ingest Interface to STMGT to Support D3 Ingest	EDF	
314	ECSed28888	OPS_DMS	2	C	EDF	Null URLs in ECSCollectionGuidePointer & MiscPointer give EDG Errors	EDF	
315	ECSed28896	RelB0_STMGT	3	C	EDF	DsStELInsertTrigger should not be installed in the 6A STMGT Db	EDF	
316	ECSed28899	RelB0_DDIST	2	C	EDF	Include full path for the Error Files Generator	EDF	
317	ECSed28905	RelB0_STMGT	2	C	EDF	Add the complete path to the error text files for the error generator	EDF	
318	ECSed28930	OPS_SDSRV_ESDT	2	C	EDF	Add Missing PSAs to ICESat ESDT GLA07	EDF	
319	ECSed28938	RelB0_STMGT	2	C	EDF	DsStErrorDetails core dumps when DsStErrorDetails.dat file already exist	EDF	
320	ECSed28950	RelB0_SDSRV	4	C	EDF	SDSRV Granule deletion code repeats status messages in return results	EDF	
321	ECSed28951	RelB0_STMGT	2	C	PVC	Storage Management GUI has bad memory leak	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
322	ECSed28954	OPS_DMS	2	C	EDF	The .cfgparms is missing a value for EcsToAsterGateway	EDF	
323	ECSed28956	RelB0_MSS	3	V	EDF	Unable to run Mkcfg the FIRST time you install in a clean directory	EDF	
324	ECSed28959	RelB0_STMGMT	2	C	VATC	ESDTMap Script Doesn't Add All Requested ESDTs	TEST	
325	ECSed28961	RelB0_STMGMT	2	C	VATC	StagingDisk Failed to Create StagingDisk	TEST	
326	ECSed28962	OPS_CLS	3	C	EDF	JDT: Tool tip message for Attribute Summary buttons on search misleading	EDF	
327	ECSed28963	OPS_CLS	3	C	EDF	JDT: Reset All attribute causes a 'cast class exception' and no update	EDF	
328	ECSed28977	OPS_CLS	3	C	EDF	JDT: Modify Cloud, user press submit no changes,respond info dialog.	EDF	
329	ECSed28992	OPS_DMS	3	C	EDF	New Valid needed for GLA16	EDF	
330	ECSed28999	RelB0_MSS	3	C	PVC	EcCsIdStart needs to call EcCsMtMGatewayAppStart	TEST	
331	ECSed29000	RelB0_SDSRV_ESDT	3	C	EDF	Landsat-7 IGS ESDTs need Physical Delete Service removed	EDF	
332	ECSed29001	OPS_MSS	2	C	EDF	Installation failure for .EcDpScSCNCPRCS.pkg on DEV02	EDF	
333	ECSed29039	OPS_SDSRV_ESDT	2	C	EDF	Create version 2 for MIIAMOT and add MeasuredParameter to INV	EDF	
334	ECSed29042	RelB0_SDSRV	2	C	EDF	Granule by granule details from delete request not written to SDSRV ALOG	EDF	
335	ECSed29085	RelB0_STMGMT	3	C	EDF	DSStBaseReal::StartUP() did not return meaningful status for new thread	EDF	
336	ECSed29094	RelB0_SDSRV	3	C	EDF	ResetLock utility displays misleading messages	EDF	
337	ECSed29096	RelB0_INGST	3	C	PVC	Change the IngestFtpKey from "ACM1_" to "NONE_"	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
338	ECSed29100	OPS_DPS	2	T	Langley DAAC	File Watcher not killing 'bad' jobs		Verify at site. Large files not available at VATC.
339	ECSed29106	RelB0_STMGT	2	C	EDF	SelectCancelled Stored Procedure should return RPC Id	EDF	
340	ECSed29108	OPS_CLS	4	C	EDF	JDT: update of HTML files for Nov. drop	EDF	
341	ECSed29114	RelB0_STMGT	2	C	EDF	Archive Server unable to start cold	EDF	
342	ECSed29123	RelB0_SDSRV_DTS	3	C	VATC	Can't Run GranuleDeletionUtility in VATC	TEST	
343	ECSed29125	RelB0_SDSRV_IIF	2	C	EDF	Acquire results not tagged properly	EDF	
344	ECSed29137	OPS_Sci_Office	5	T	EDC DAAC	OPS: ECS Drop 5B.06+: ASTER On-Demand: Require passing of		Verify at site. Requires EDC participation
345	ECSed29171	RelB0_SDSRV_DTS	2	C	VATC	Invalid column name 'deleteEffectiveDate' Error	TEST	
346	ECSed29188	OPS_CLS	3	C	EDF	JDT: Upon 'Reset All' the user id becomes ECSGuest	EDF	
347	ECSed29194	OPS_INGST	2	C	EDF	Capability to ingest GLAS Level 0 Data from EDOS	EDF	
348	ECSed29197	OPS_SDSRV_DTS	2	C	EDC DAAC	L7 Error Handling Tool: temporary files not being cleaned up	DAAC	
349	ECSed29198	OPS_SDSRV_DTS	2	C	EDC DAAC	L7 Error Handling Tool: Promote and Merge options taking awhile	DAAC	
350	ECSed29199	OPS_SDSRV_DTS	3	C	EDC DAAC	L7 Error Handling Tool: Demerging a subinterval keeps the QA_BANDx_PRESE	DAAC	
351	ECSed29200	OPS_SDSRV_DTS	2	C	EDC DAAC	L7 Error Handling Tool: Demerging an L70RWRS scene does not cleanup	DAAC	
352	ECSed29201	OPS_SDSRV_DTS	2	C	EDC DAAC	L7 Error Handling Tool: Demerging creates an L70RWRS1 and L70RWRS2	DAAC	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
353	ECSed29203	OPS_SDSRV_D TS	2	C	EDC DAAC	L7 Error Handling Tool: granule attributes should have a value of "N"	DAAC	
354	ECSed29213	OPS_DMS	2	C	PVC	RESPONSE_COMPRESSION contained in INVENTORY_SEARCH_REQUEST and QUIT ODLs	TEST	
355	ECSed29216	OPS_DMS	2	C	PVC	Optional keywords contained in INVENTORY_SEARCH_RESULT with no values	TEST	
356	ECSed29217	OPS_DMS	2	C	PVC	Incorrect/inconsistent start/stop times in INVENTORY_SEARCH_RESULT	TEST	
357	ECSed29218	OPS_SDSRV_D TS	3	C	EDC DAAC	L7 Error Handling Tool: Sort doesn't work with VersionID > 10	DAAC	
358	ECSed29219	OPS_SDSRV_D TS	5	V	EDC DAAC	L7 Error Handling Tool: Separate column for VersionID	DAAC	
359	ECSed29220	OPS_SDSRV_D TS	3	C	EDC DAAC	L7 Error Handling Tool: Inconsistent case for GEOID	DAAC	
360	ECSed29225	RelB0_STMGMT	2	C	VATC	Staging Disk Creation Failure	TEST	
361	ECSed29228	RelB0_IDG	2	C	EDF	Rgypatch can't be applied in DEV07 mode - get execution error	EDF	
362	ECSed29240	RelB0_STMGMT	2	C	EDF	Requests are not cancelled correctly	EDF	
363	ECSed29243	OPS_CLS	3	C	EDF	JDT: Reset All attributes to default settings doesn't need validation	EDF	
364	ECSed29246	OPS_SDSRV_E SDT	5	C	EDF	ESD72-151:Changes for M*{04,36,1D}{M,S,N,Q,F,1,2,3}N ESDTs	EDF	
365	ECSed29279	RelB0_STMGMT	3	C	EDF	Error handling for RemoveMediaFromDevice is incorrect when tape offline	EDF	
366	ECSed29284	RelB0_MSS	3	C	VATC	"Bybase is locked" in EcMsAcOrderSrvrDebug.log file	TEST	
367	ECSed29288	RelB0_STMGMT	2	C	EDF	DDIST Core dump for FTP Pull	EDF	
368	ECSed29290	RelB0_SDSRV	2	C	EDF	Resource Catalogs out of date - cause core dumps	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
369	ECSed29297	OPS_SDSRV	2	T	GSFC DAAC	GSFC/SMC Granules in OPS DB have incorrect Beginning DateTi		Verify at site.Requires data from site.
370	ECSed29307	OPS_DMS	5	C	EDF	New Valid needed for GLA07	EDF	
371	ECSed29317	OPS_MSS	2	T	NSIDC DAAC	Registry Server hung during MOSS Test		Verify at site.Registry Server problem can not be duplicated at VATC.
372	ECSed29329	RelB0_MSS	3	C	EDF	Update the .cfgpatches and .rgypatches as needed for 6A.03 delivery	EDF	
373	ECSed29337	RelB0_STMGT	2	C	EDF	Change 6A.02 identity fields from 15 to 9	EDF	
374	ECSed29338	RelB0_SDSRV	3	C	EDF	Add deleteEffectiveDate to DAP and SSAP table	EDF	
375	ECSed29339	OPS_CLS	3	C	EDF	JDT: Prevent user from submitting empty xARid search	EDF	
376	ECSed29340	OPS_CLS	3	C	EDF	JDT: Upon 'Reset All' attributes on Search screen not updated	EDF	
377	ECSed29341	RelB0_INGST	2	C	PVC	Request unchanged after ReqMgr core dumps	TEST	
378	ECSed29349	RelB0_SDSRV	1	C	EDF	PDPS failed to acquire LM granules from SDSRV	EDF	
379	ECSed29350	RelB0_IDG	3	C	VATC	MTMGW failed to handle the value of maximum search request "0"	TEST	
380	ECSed29351	OPS_DMS	2	C	VATC	Missing values in EDGReqAttributesList	TEST	
381	ECSed29354	OPS_DPS	3	C	EDF	DPREP ESDT ODLs need to be refined.	EDF	
382	ECSed29356	OPS_SDSRV	2	T	EDC DAAC	5B.06 SDSRV.05: L7 Ingest does not recover where EcInGran l		Verify at site.Resolution requires EDC approval.
383	ECSed29357	RelB0_IDG	1	C	EDF	FtpPush from Subscription Server is not triggering	EDF	
384	ECSed29366	RelB0_INGST	3	C	EDF	Remove StackReq & StackSlotReq from InMediaType table	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
385	ECSed29369	RelB0_STMGT	3	C	EDF	STMGT Gui core dumping on select of Request Status tab	EDF	
386	ECSed29372	OPS_SDSRV_ESDT	2	C	EDF	update GLAS ESDT to use NOSE facility	EDF	
387	ECSed29380	RelB0_SDSRV_DTS	2	C	VATC	Incorrect LocalGranuleId on GranuleDelete - display Option	TEST	
388	ECSed29393	RelB0_SDSRV_DTS	2	C	VATC	Deletion Cleanup Utility Hangs Occasionally in Processing	TEST	
389	ECSed29419	RelB0_STMGT	2	C	EDF	STMGT Servers won't come down gracefully	EDF	
390	ECSed29421	OPS_SDSRV_ESDT	5	C	EDF	Valid file needs a fix	EDF	
391	ECSed29422	RelB0_DBDM	3	C	EDF	Update EcDbDDMUpdateVersionTable script for Release 6A.04	EDF	
392	ECSed29424	RelB0_STMGT	2	C	PVC	EcDsStRequestManagerServer hangs	TEST	
393	ECSed29426	RelB0_DMS	2	C	EDF	Need DMS Database in Dev03	EDF	
394	ECSed29427	OPS_DBDM	2	V	LaRC DAAC	A bug in 5B.06 sybase dump scripts	TEST	
395	ECSed29431	OPS_INGST	2	C	EDC DAAC	5B.06:ALL Incorrect Hard Coded Ingest GUI config parameter.	DAAC	
396	ECSed29445	RelB0_SDSRV	2	C	EDF	SDSRV patch must be renumbered for 6A.04 due to 6A.03 merge	EDF	
397	ECSed29448	OPS_DPS	2	C	VATC	Unable to Delete Interim Granule from DeletionClient Script	TEST	
398	ECSed29449	RelB0_IDG	2	C	EDF	Registry has couts	EDF	
399	ECSed29451	RelB0_SDSRV_DTS	2	C	VATC	Core Dumps in Deletion Cleanup Utility	TEST	
400	ECSed29452	RelB0_SDSRV_DTS	3	C	VATC	Core Dump in GranuleDeletionClient	TEST	
401	ECSed29453	RelB0_DBDM	2	C	EDF	EcPIInitializePDPSDatabase script needs to be fixed	EDF	
402	ECSed29454	RelB0_STMGT	2	C	VATC	Archive Delete Not Performing As Expected with Archive Delete Errors	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
403	ECSed29455	RelB0_STMGT	2	C	EDF	DsStGRCleanup tries to delete too many records	EDF	
404	ECSed29456	RelB0_STMGT	2	C	EDF	STMGT GUI displays error message for Cache Stats	EDF	
405	ECSed29465	RelB0_Toolkit	3	C	EDF	Makefile CleanUp	EDF	
406	ECSed29467	RelB0_SDSRV_DTS	3	C	EDF	ProcPhysicalDelete needs to be broken up	EDF	
407	ECSed29468	RelB0_SDSRV_IIF	3	C	EDF	Small memory leak in DsShGenRequestMediator	EDF	
408	ECSed29477	RelB0_STMGT	2	C	PVC	STRequestMgr very slow start up after a warm-bounce due to the hang	TEST	
409	ECSed29478	RelB0_STMGT	1	C	EDF	Can not allocate staging disk	EDF	
410	ECSed29484	RelB0_DBDM	2	C	EDF	TrigInsPIPgePerformance and TrigUpdPIPgePerformance missed in patch 6A9	EDF	
411	ECSed29489	RelB0_SDSRV_DTS	3	C	VATC	Deletion Cleanup log/screen messaging	TEST	
412	ECSed29492	RelB0_MSS	3	C	EDF	Need to update the .sitemap for the PVC for 6A.03 Delivery	EDF	
413	ECSed29496	RelB0_SDSRV_DTS	2	C	VATC	Deletion Cleanup log writes over instead of appending information	TEST	
414	ECSed29503	OPS_DPS	2	C	GSFC DAAC	GSFC/SMC: PDPS requests are coming in to Distribution as Vh	DAAC	
415	ECSed29504	RelB0_STMGT	2	C	EDF	Missing Trigger during db build process - DsStCFDeleteTrig.sql	EDF	
416	ECSed29515	OPS_CLS	3	C	EDF	JDT: Ensure that appropriate attributes are reset when 'any' is selected	EDF	
417	ECSed29518	OPS_PLS	2	T	LaRC DAAC	MOPITT DPRs will not create due to incorrect MOPCH metadat query		Verify at site. VATC has no MOPITT data types
418	ECSed29519	RelB0_STMGT	2	C	EDF	Remove All Db Tables and SP associated with Multi-Server Scheduling	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
419	ECSed29526	RelB0_SDSRV_ESDT	3	C	EDF	.EcESDT.iu file needs update for AMSR descriptors	EDF	
420	ECSed29539	OPS_DPS	3	C	GSFC DAAC	GSFC/SMC PDPS Delete DPR function Does not clean some tabl	DAAC	
421	ECSed29543	OPS_CLS	3	C	EDF	JDT: Search failure needs email to user	EDF	
422	ECSed29548	RelB0_STMGT	2	C	EDF	STMGT Request Manager does not detect client death	EDF	
423	ECSed29551	RelB0_DDIST	3	C	PVC	EcDsdistGui core dumps when resuming a job.	TEST	
424	ECSed29574	OPS_DPS	3	C	GSFC DAAC	GSFC/SMC: Promote PGE script fails in TS1	DAAC	
425	ECSed29577	RelB0_IDG	2	C	PVC	Logging system core dump at file truncation	TEST	
426	ECSed29579	RelB0_SDSRV	3	C	EDF	Update Sdsrv Classes for 6A ABC++ documentation	EDF	
427	ECSed29599	RelB0_STMGT	3	C	EDF	Fix stmgt patch process so that mutiple patches can be applied	EDF	
428	ECSed29600	OPS_DPS	1	C	GSFC DAAC	GSFC/SMC: Alternate inputs logical ID mislabeled in AM1Eph	DAAC	
429	ECSed29601	RelB0_IDG	2	C	PVC	Pf Config file causes core dump when queryRegistry fails	TEST	
430	ECSed29602	OPS_DPS	3	C	EDF	DPREP potential problem with PGE ODL OPTIONAL_INPUTS	EDF	
431	ECSed29604	OPS_STMGT	2	C	EDC DAAC	5B.06+:OPS:DDIST cored causing loss of email params	DAAC	
432	ECSed29608	OPS_DPS	3	C	EDF	DPREP ESDT ODL missing comment "close quote"	EDF	
433	ECSed29616	OPS_CLS	3	C	EDF	JDT: Dar and Search in the Organizer Screen shoud show modified Date.	EDF	
434	ECSed29619	OPS_DPS	2	C	EDF	Failed PGE tar file inserts cause failures in DPS	EDF	
435	ECSed29624	OPS_SDSRV_II F	2	C	EDF	SDSRV executes duplicate requests	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
436	ECSed29629	OPS_DPS	2	T	EDC DAAC	OPS/TS1:100M DEM entries missing from the runtime Pcf.		Verify at site.VATC doesn't have required data
437	ECSed29635	RelB0_DMS	2	C	VATC	Path/Orbit Number Search Returns No Granules	TEST	
438	ECSed29636	RelB0_DMS	2	C	VATC	Global Search on Core Metadata Attributes Returns No Granule	TEST	
439	ECSed29640	OPS_INGST	2	C	EDC DAAC	OPS:5B.06:InGran cores for L7 Ingest	DAAC	
440	ECSed29641	RelB0_STMGT	1	C	PVC	Unrecoverable deadlocks with STMGT Staging Disks	TEST	
441	ECSed29642	RelB0_Sys_Eng r	1	C	PVC	Some servers/processes on p0acg05 hang when accessing icl raid	TEST	
442	ECSed29643	RelB0_STMGT	2	C	PVC	FTP server on ddist, p0dis02, crashes every 10 minutes or so.	TEST	
443	ECSed29644	RelB0_DMS	1	C	EDF	Run-time exception during V0ToEcs inventory searches.	EDF	
444	ECSed29652	OPS_CLS	3	C	EDF	JDt: Expanded View of # Acq Windows w/ start/end dates	EDF	
445	ECSed29661	RelB0_INGST	3	C	EDF	The Ingest database patches should not have to be run one at a time	EDF	
446	ECSed29664	RelB0_DMS	2	C	EDF	V0Gateway configfile error for L7MediaRows	EDF	
447	ECSed29665	OPS_DPS	3	C	EDF	AM-1 DPREP requires registration instructions in HowToRunAm1DPREP	EDF	
448	ECSed29671	RelB0_STMGT	1	C	PVC	STaging Disk fails to link file to disk	TEST	
449	ECSed29675	RelB0_INGST	2	C	VATC	MOD29PID and MOD29PIN data types missing from Ingest database	TEST	
450	ECSed29680	OPS_PLS	3	C	GSFC DAAC	GSFC/SMC - PLS "reset_db" script isql privileges need adjus	DAAC	
451	ECSed29681	OPS_DPS	3	V	LaRC DAAC	AM1Eph DPREP failed due to data gaps	DAAC	
452	ECSed29698	RelB0_IDG	2	C	VATC	Incorrect time string in AMSR_L1A.001 data	TEST	
453	ECSed29706	RelB0_DBDM	2	C	PVC	Trigs 'Trig***DpPrDiskAllocation' May fail to update DpPrDiskAllocation	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
454	ECSed29708	OPS_SDSRV_E SDT	5	C	EDF	ESD72-154: AST_05 and AST_08 Archive data needs to be moved.	EDF	
455	ECSed29715	RelB0_INGST	2	C	EDF	The database patch number scheme in 6A prevents 5B to 6A transition.	EDF	
456	ECSed29716	OPS_SDSRV	2	T	EDC DAAC	OPS:5B.06:InGran cores for L7 Ingest		Verify at site.Requires site support data loading.
457	ECSed29721	RelB0_IDG	2	C	EDF	Imakefile in /ecs/formal/COMMON/CSCI_DBWrapper/src fails sysbuild	EDF	
458	ECSed29723	OPS_CLS	2	T	VATC	ODFRM needs to be modified to accept a space in the identifier		Verify in ASTER I/O Tests
459	ECSed29728	OPS_CLS	2	T	VATC	ODFRM - ODL submitted to Aster is incorrect		Verify in ASTER I/O Tests
460	ECSed29730	RelB0_STMGT	2	C	EDF	8MM Tape Stacker Configuration	EDF	
461	ECSed29731	OPS_DMS	2	T	VATC	PACKAGE_SIZE declared incorrectly in INVENTORY_SEARCH_RESULT ODL		Verify in ASTER I/O Tests
462	ECSed29733	OPS_DMS	2	T	VATC	PRICE_COMMENT in PRICE_ESTIMATE_RESULT ODL exceeds the max length		Verify in ASTER I/O Tests
463	ECSed29734	OPS_DMS	2	T	VATC	DATASET_ID has a value with all upper cases		Verify in ASTER I/O Tests
464	ECSed29738	RelB0_SDSRV_ DTS	3	C	EDF	Patch 6032 needs to be modified to work	EDF	
465	ECSed29739	RelB0_SDSRV_ DTS	3	C	EDF	DsMdDeletedGranules column wrong size	EDF	
466	ECSed29750	RelB0_DMS	2	C	VATC	Problem with Search Customized for Selected Attributes	TEST	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
467	ECSed29752	OPS_STMGT	2	C	GSFC DAAC	GSFC/SMC: CopyDaemonDriverStart and FtpDaemonDriverStart d	DAAC	
468	ECSed29753	RelB0_DPS	2	C	VATC	SSIT GUI Core Dumps	TEST	
469	ECSed29755	OPS_SDSRV_ESDT	5	C	EDF	Update Values file: new valids from MODIS	EDF	
470	ECSed29757	OPS_Toolkit	3	C	GSFC DAAC	GSFC/SMC Toolkit version not correct	DAAC	
471	ECSed29762	OPS_MSS	3	C	EDF	Seamless user registration gives warning on install	EDF	
472	ECSed29779	RelB0_STMGT	3	C	EDF	Add performance logging to stmgt	EDF	
473	ECSed29783	OPS_CLS	2	C	EDF	ProfileMkcfg doesn't agree with .cfgpatch	EDF	
474	ECSed29787	OPS_STMGT	3	C	PVC	Need to add two libraries to EcDsStStagingDiskServer.iu	TEST	
475	ECSed29798	OPS_INGST	2	C	EDC DAAC	TS2:Polling Server needed to support MOSS-2	DAAC	
476	ECSed29799	OPS_DMS	2	C	VATC	V0Gateway: Subset Data Not in 5B06_PDS03	TEST	
477	ECSed29800	RelB0_SDSRV_DTS	2	C	VATC	ProcGetSSAPComponent Error in EcDsScienceDataServer.ALOG	TEST	
478	ECSed29815	OPS_DBDM	2	C	EDF	The database patch number for 5B and for 6A are out of sync	EDF	
479	ECSed29821	RelB0_IDG	2	C	EDF	The Registry Server Client code should cache the configuraton	EDF	
480	ECSed29822	RelB0_SDSRV_ESDT	2	C	EDF	Sync up needed between Drop 6A and Drop 5B descriptors	EDF	
481	ECSed29825	OPS_IDG	3	C	EDF	The logging class write the logs to the tmp directory	EDF	
482	ECSed29826	OPS_SDSRV	2	C	EDC DAAC	5B.06 QA MUT Failure	DAAC	
483	ECSed29827	OPS_DMS	2	T	PVC	ASTER-ECS: Mismatch DATA_CENTER_IDs in INVENTORY_SEARCH_RESULT ODL		Verify in ASTER I/O Tests
484	ECSed29831	OPS_DMS	3	T	EDC DAAC	"Fire Occurrence" mapping needed		Verify at site.Steps can not be replicated at VATC.

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
485	ECSed29835	RelB0_HDF_EOS	5	C	EDF	Need to add support for LINUX in HDFEOS	EDF	
486	ECSed29839	RelB0_STMGT	2	C	EDF	Connecting to servers degrades STMGT performance	EDF	
487	ECSed29843	OPS_DPS	2	C	EDF	DPREP error in RepEph Profile 3 orbit metadata projection.	EDF	
488	ECSed29847	OPS_INGST	1	C	VATC	EcInReqMgr process dies (no core file) during InRequest destructor	TEST	
489	ECSed29850	OPS_PLS	2	T	Langley DAAC	DPR Creation Problem o-2017 p-62 doy-125 (May 4)		Verify at site. Problem is site specific.
490	ECSed29858	OPS_SDSRV_II F	2	C	EDF	Threads not deleted when a client dies	EDF	
491	ECSed29865	OPS_DMS	3	C	EDF	Need to add parameters to V0ToEcsGateway Mkcfg	EDF	
492	ECSed29868	RelB0_INGST	2	C	EDF	Ingest should get Registry info at startup; not per request	EDF	
493	ECSed29875	OPS_MSS	2	C	EDF	DAAC-specific configurable preamble for User Registration emails	EDF	
494	ECSed29878	OPS_DPS	3	C	PVC	Use PfGetConfigFileP instead of EcPfConfigFile	TEST	
495	ECSed29884	OPS_IDG	3	C	EDF	The following libraries are to be deleted from the ECS directory structu	EDF	
496	ECSed29886	RelB0_DMS	2	C	VATC	V0 GTWAY CLIENT - Error in Search for Production History	TEST	
497	ECSed29889	RelB0_DMS	2	C	VATC	V0 GTWAY Client - No granules returned for DAP and AP	TEST	
498	ECSed29893	OPS_SDSRV	2	C	EDF	The numbers appended to the distributed file grow inappropriately	EDF	
499	ECSed29898	OPS_DMS	2	C	EDF	PACKAGE_SIZE declared incorrectly in INVENTORY_SEARCH_RESULT ODL	EDF	
500	ECSed29899	OPS_DMS	2	C	EDF	AsterToEcs Inventory Results ODL should have PROCESSING_OPTIONS group	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
501	ECSed29900	RelB0_STMG	3	C	EDF	client get OK status if request fails but detailed is not set	EDF	
502	ECSed29906	RelB0_STMG	3	C	EDF	Combine StagingDisk requests to reduce DB calls	EDF	
503	ECSed29908	RelB0_DDIST	2	C	PVC	DDIST uses wrong FTP server for \$PDS acquire requests	TEST	
504	ECSed29913	RelB0_DPS	2	C	EDF	Dynamic internal multifile grants wont stage	EDF	
505	ECSed29915	OPS_MSS	2	C	EDF	Scriptlib does not support IRIX65 architecture for .packages file	EDF	
506	ECSed29917	OPS_IDG	2	C	EDF	User Profile server failed to return valid status to its client.	EDF	
507	ECSed29919	OPS_CLS	2	C	EDF	The EcCIMkcfg is out of date for all 3 current ECS baselines	EDF	
508	ECSed29920	RelB0_DDIST	3	C	EDF	Need to preserve the .rgypatch the creates the MediaDistribution Options	EDF	
509	ECSed29927	RelB0_STMG	2	C	EDF	StagingDisk space goes negative for available space	EDF	
510	ECSed29930	OPS_INGST	2	C	VATC	AMSR_L1A not updated in the Ingest Database	TEST	
511	ECSed29931	RelB0_DMS	2	C	VATC	V0Gateway not handling results returned from SDSRV for SSAP data	TEST	
512	ECSed29938	OPS_INGST	2	C	EDF	EDOS Filename not created properly	EDF	
513	ECSed29941	RelB0_STMG	3	C	EDF	Only one attempt to create a DB connection made	EDF	
514	ECSed29945	OPS_SDSRV_DTS	3	C	EDF	ProcDemergeL7GranuleMetadata select all change	EDF	
515	ECSed29947	OPS_SDSRV_IF	2	C	EDF	Acquire results not tagged properly	EDF	
516	ECSed29948	OPS_DPS	2	C	PVC	Non-subscribed data types being notified	TEST	
517	ECSed29949	OPS_DPS	2	C	PVC	Deadlocks in call to ProcGetReadyDPRs in Job Management	TEST	
518	ECSed29950	OPS_CLS	2	C	EDF	User Profile Gateway does not update the 3rd address line	EDF	
519	ECSed29952	RelB0_STMG	3	C	EDF	STMG logging for LogError not using DsStErrorDetails for error lookup	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
520	ECSed29962	OPS_INGST	3	C	EDF	Polling Server core dumped with bad PDR (non-existent directory)	EDF	
521	ECSed29963	OPS_IDG	2	C	EDF	Not able to always delete trees from the Registry DB	EDF	
522	ECSed29964	RelB0_MSS	2	C	EDF	Update all the .rgypatch and .cfgpatch files for DAAC 6A.04 Delivery	EDF	
523	ECSed29970	OPS_SDSRV_ESDT	5	C	EDF	GLAS Level 0 ESDTs need to be created	EDF	
524	ECSed29975	OPS_CLS	3	C	EDF	JDT: Upon user creating xARby ids, summary open to show current ids	EDF	
525	ECSed29980	OPS_SDSRV_DTS	3	C	EDF	GSFC/SMC Granules in OPS DB have incorrect Beginning DateTi	EDF	
526	ECSed29992	RelB0_SDSRV_DTS	3	C	EDF	ProcDeleteGranules overwritten	EDF	
527	ECSed29993	OPS_SDSRV_ESDT	5	C	EDF	GLAS Ancillary ESDTs need to be created	EDF	
528	ECSed29994	OPS_SDSRV_ESDT	2	C	EDF	ECSBBR descriptor needs to point to custom DLL	EDF	
529	ECSed29995	OPS_DPS	2	T	LaRC DAAC	Free Disk wipes out static datasets with extreme prejudice		Verify at site. Insufficient data volume at VATC
530	ECSed30001	RelB0_INGST	2	C	VATC	Staging Disk not cleaned up after successful D3 Ingest	TEST	
531	ECSed30003	OPS_SDSRV_ESDT	5	C	EDF	Add new ECSKeyword grouping for MODIS	EDF	
532	ECSed30005	RelB0_SDSRV_DTS	3	C	EDF	ProcPhysicalDelete needs to be speeded up.	EDF	
533	ECSed30011	RelB0_STMGMT	1	C	PVC	Re-Submittal of existing request fails	TEST	
534	ECSed30015	OPS_SDSRV_ESDT	5	C	EDF	MOD28D and MOD28W were not merged correctly.	EDF	
535	ECSed30037	OPS_MSS	2	C	EDF	The Name of the SCLI package is wrong in the .sitemap for some sites	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
536	ECSed30039	OPS_DMS	3	C	EDF	Need to remove ListenThreads from .cfgparms via .cfgpatch	EDF	
537	ECSed30042	OPS_STMGT	2	C	EDF	Upgrade 5B stored procs to syb 11.9.3	EDF	
538	ECSed30046	RelB0_STMGT	2	C	EDF	missing raiserror in some stored procedures	EDF	
539	ECSed30047	RelB0_DBDM	2	C	EDF	Modify DB verify scripts for 5B.07 to 6A.04 transition.	EDF	
540	ECSed30049	OPS_DMS	2	C	VATC	V0ToEcsGateway Crashes as it fails to get IP address for Echo Client.	TEST	
541	ECSed30050	RelB0_Toolkit	3	C	EDF	need to support LINUX for TOOLKIT and modify PGS_IO_L0_MapVersions.c	EDF	
542	ECSed30052	OPS_INGST	5	C	EDF	Update Ingest Database with new GLAS Level-0 Datatypes	EDF	
543	ECSed30053	OPS_DBDM	3	V	Langley DAAC	For promotion to SMC, 5B.06 dump scripts all modes	TEST	
544	ECSed30061	OPS_SDSRV_ESDT	5	C	EDF	Changing Level 2 MODIS ESDTs to version 3	EDF	
545	ECSed30062	OPS_Sci_Office	5	C	EDF	MODIS Version 3 ESDTs	EDF	
546	ECSed30063	OPS_DMS	2	C	EDC DAAC	TS1/TS2: L7 Orders are receiving 2 Request ID's	DAAC	
547	ECSed30064	RelB0_SDSRV_DTS	3	C	EDF	Number of objects mis-reported	EDF	
548	ECSed30065	OPS_DPS	2	C	EDF	ProcMachineAssignment Algorithm Use of Staged Inputs Incorrect	EDF	
549	ECSed30066	OPS_PLS	2	C	PVC	PINotification table being processed alphabetically by data type	TEST	
550	ECSed30071	RelB0_STMGT	2	C	EDF	Decrease time required to reserve cache (garbage collection)	EDF	
551	ECSed30072	RelB0_STMGT	2	C	EDF	CacheManager not releasing requests that fail making space	EDF	
552	ECSed30074	OPS_SDSRV_DTS	2	C	EDF	Ge Incorrectly Names Browse Acquire Files Upon Output	EDF	
553	ECSed30075	OPS_DPS	3	C	EDF	PM-1 DPREP PM1DefEph QA percent missing incorrect.	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
554	ECSed30079	OPS_DPS	2	T	LaRC DAAC	Must revoke sa_role privileges from database login pdps_role		Verify at site. Problem is in site installation
555	ECSed30081	OPS_SDSRV_ESDT	5	C	EDF	Add new MISR level 3 ESDTs. 40 ESDTs...	EDF	
556	ECSed30085	RelB0_IDG	2	C	EDF	ODFRM netscape server doesn't work with Registry	EDF	
557	ECSed30086	Test_Drivers	3	C	EDF	need to modify a line in PGS_DEM_Driver_f.f and support linux	EDF	
558	ECSed30088	OPS_DPS	3	C	GSFC DAAC	GSFC/SMC: AIT tool EcDpAtBadFunc not examining .F files	DAAC	
559	ECSed30094	OPS_DBDM	2	C	PVC	Missing triggers in MSS database	TEST	
560	ECSed30101	RelB0_SDSRV	3	C	EDF	The 6A .iu for the SCLI tries to install non-existent libraries	EDF	
561	ECSed30102	OPS_DPS	3	C	EDF	AM-1 DPREP PGE FddAtt unit test data sets out-of-date.	EDF	
562	ECSed30107	RelB0_SDSRV_DTS	3	C	EDF	Update ABC++ 305 documentation	EDF	
563	ECSed30112	OPS_SDSRV_ESDT	5	C	EDF	Changing Level 2 EDC MODIS ESDTs to version 3	EDF	
564	ECSed30119	RelB0_STMGMT	2	C	PVC	STMGMT GUI's size increases while in Request Status	TEST	
565	ECSed30120	RelB0_INGST	2	C	PVC	Ingest GUI restart causes a faulty cleanup command on AST-D3-StaginDisk	TEST	
566	ECSed30130	OPS_INGST	2	C	PVC	EcInGUI manually canceled Request never finishes cancelling.	TEST	
567	ECSed30131	OPS_INGST	3	C	PVC	EcInPolling core dumps when PDRs have errors.	TEST	
568	ECSed30142	OPS_MSS	2	C	EDF	Configure separate MSS/ENBP02 email preambles	EDF	
569	ECSed30143	OPS_MSS	2	C	EDF	MSS/ENBP02 email for privileges update incorrect	EDF	
570	ECSed30144	OPS_SDSRV_ESDT	3	C	EDF	ESD72-161: AST_05 and AST_08 add ARCHIVED Metadata attribute	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
571	ECSed30145	OPS_SDSRV_E SDT	3	C	EDF	Landsat-7 STATION_ID PSA needs new valid values	EDF	
572	ECSed30149	OPS_DBDM	2	C	EDF	Not able to always delete trees from the Registry DB	EDF	
573	ECSed30157	RelB0_SDSRV	1	C	PVC	EcDsDeletionCleanup.pl Hangs	TEST	
574	ECSed30158	OPS_DBDM	2	C	EDF	PDS/5B07:dbPatch for DsDdRequestArchive Table	EDF	
575	ECSed30163	RelB0_SDSRV	1	C	PVC	SDSRV fails to process the AST On-Demand requests/sqs-queries	TEST	
576	ECSed30166	RelB0_MSS	3	C	EDF	Update all the .rgypatch and .cfgpatch files for VATC 6A.04 deliveries	EDF	
577	ECSed30170	OPS_DPS	3	C	EDF	AM-1 DPREP error codes unrelated to problem.	EDF	
578	ECSed30174	OPS_MSS	3	C	EDF	Need corrections to .sitemap for EDF	EDF	
579	ECSed30175	OPS_DMS	3	C	EDF	Need to remove the Lim and EcsToV0 Gateway for 5B.07 and 6A.04	EDF	
580	ECSed30176	RelB0_STMGMT	2	C	EDF	The Proc DsDdSGSelectAll still has a select *	EDF	
581	ECSed30179	OPS_SDSRV_E SDT	3	C	EDF	AMSR-related Level 0 descriptors need changes	EDF	
582	ECSed30181	OPS_CLS	3	C	EDF	JDt: Upon creation of new Search by attr will sometimes fail	EDF	
583	ECSed30194	OPS_CLS	2	C	VATC	ODFRM - Incorrect values included in ODL submitted to ASTER	TEST	
584	ECSed30196	OPS_DMS	3	C	EDF	change empty field to "" in DDMT valids file	EDF	
585	ECSed30197	RelB0_STMGMT	3	C	EDF	"Unable to delete link" while executing DsStCMRemoveLink.sp	EDF	
586	ECSed30201	RelB0_STMGMT	2	C	PVC	FTPServer - Change Fatal Errors to retryable	TEST	
587	ECSed30202	RelB0_STMGMT	2	C	PVC	Gr Cleanup Script - prevent deadlocks and allow one execution	TEST	
588	ECSed30214	OPS_INGST	3	C	VATC	Removal of IngestGUIHostName parameter missing from .cfgpatch file	TEST	
589	ECSed30215	RelB0_STMGMT	3	C	EDF	Combine StagingDisk Attach and ClaimOwnership requests to reduce DB call	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
590	ECSed30217	OPS_CLS	3	C	EDF	JDT: Connection between spatial AOI/AOS table and summary reset funcs	EDF	
591	ECSed30228	OPS_CLS	3	C	EDF	JDT: Update JDT to be able to launch from the Internet Explorer.	EDF	
592	ECSed30232	RelB0_MSS	2	C	EDF	MSS Trouble Ticket is missing a component level Mkcfg script	EDF	
593	ECSed30234	RelB0_MSS	2	C	EDF	EcMsTtTroubleticket needs an entry in .executables as a client	EDF	
594	ECSed30238	RelB0_SDSRV	2	C	EDF	SCLI doesn't allow SeniorClientTransactionID to be unique with tag	EDF	
595	ECSed30240	RelB0_SDSRV_IIF	1	C	PVC	MODIS-TERRA (PGE02) unable to generate .met files	TEST	
596	ECSed30245	RelB0_MSS	2	C	EDF	A PERL file is required to source for standardized UNIX environment	EDF	
597	ECSed30246	OPS_DMS	2	C	EDC DAAC	DefaultAttributesList needs to have more values.	DAAC	
598	ECSed30250	RelB0_SDSRV	1	C	PVC	ProcPhysicalDeleteBrowse ERROR while Running EcDsDeletionCleanup.pl	TEST	
599	ECSed30260	OPS_DMS	2	C	EOC	Data AccessKey is causing the V0ToEcsGateway	EDF	
600	ECSed30264	RelB0_CLS	3	C	EDF	Clean up .cfgparms for CLS (Remove unneeded parameters)	EDF	
601	ECSed30265	RelB0_IDG	3	C	EDF	Need to clean up the Mkcfgs for the IDG (get rid of unneeded parms)	EDF	
602	ECSed30267	OPS_Sci_Office	5	C	EDF	New AIRS version 99 ESDTs.	EDF	
603	ECSed30271	RelB0_STMGT	3	C	EDF	Incorrect access control of "Load" in STMGT GUI for D3	EDF	
604	ECSed30273	OPS_DMS	2	C	EDC DAAC	OPS:IGS metadata station-id is no longer working on EDG (an	DAAC	
605	ECSed30274	OPS_DMS	2	V	NSIDC DAAC	Selecting COMPRESSION for EDG order distributes NO Data.	DAAC	
606	ECSed30291	OPS_Sci_Office	3	C	EDF	Change AIRS descriptors DLL names to point to the correct DLL.	EDF	
607	ECSed30297	RelB0_DBDM	3	C	EDF	EcDbDesc script needs to modify for sybase 11.9.3	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
608	ECSed30299	OPS_DBDM	2	C	PVC	Sybase Dump Scripts can hang under certain conditions	TEST	
609	ECSed30302	OPS_MSS	3	C	SMC	Need to add the Registru GUI to the .sitemap for the SMC	DAAC	
610	ECSed30304	RelB0_MSS	2	C	EDF	Trouble Ticket web page gives garbage on first web page	EDF	
611	ECSed30305	OPS_SDSRV_DTS	1	V	VATC	Can't Acquire Floating Scenes in 6A and 5B - overlapping scan line issue	TEST	
612	ECSed30306	OPS_MSS	3	C	PVC	Remove the .EcDsStIngestFtp.pkg where the .EcDsStArchive.pkg is installe	TEST	
613	ECSed30311	OPS_DPS	2	C	GSFC DAAC	GSFC/SMC: AM1Eph PGE long gap threshold change from 60 to 5	DAAC	
614	ECSed30314	OPS_DPS	2	C	EDF	Loops on indexes for RW lists are impeding performance.	EDF	
615	ECSed30315	OPS_STMGT	3	C	EDF	Failure during adding of new volume group.	EDF	
616	ECSed30320	RelB0_DBDM	2	C	EDF	STMGT 6A DB logins script deletes 5B logins during adds	EDF	
617	ECSed30338	OPS_Sci_Office	5	C	EDF	Changes to MO{04,36,1D}{M,S,N,Q,F,1,2,3}D ESDT Descriptors for Reprocess	EDF	
618	ECSed30339	OPS_SDSRV_DTS	2	C	EDF	Add the ADEOS-II Ascending and Descending NOSE Data for AMSR-LIA Ingest	EDF	
619	ECSed30342	OPS_INGST	3	C	EDF	Add version 3 ESDT entries for MODIS to the INGEST database	EDF	
620	ECSed30347	OPS_DMS	2	C	EDF	Non Standard AstLIB order from ODFORM fails in EcsToAsterGateway.	EDF	
621	ECSed30351	RelB0_SDSRV	2	C	EDF	Data Set Disclaimer Attributes not supported in 6A	EDF	
622	ECSed30356	RelB0_PLS	2	C	PVC	The notification queue performance still needs improvement.	TEST	
623	ECSed30357	OPS_PLS	1	C	LaRC DAAC	5B07 FddAtt DPREP DPRs not waiting on predecessor DPR to ru	DAAC	
624	ECSed30364	RelB0_MSS	3	C	EDF	Need to update the Delete mode script for 6A Transition	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
625	ECSed30367	RelB0_PLS	2	C	PVC	SubMgr processes notifications alphabetically when it is restarted	TEST	
626	ECSed30368	RelB0_DPS	3	C	PVC	# of scheduled DPRs/machine (numScheduled) in DpPrPgeLimits Incorrect	TEST	
627	ECSed30372	OPS_SDSRV_ESDT	5	C	EDF	Creating version 3s for MO{04,36,1D}{M,S,N,Q,F,1,2,3}W, MOD28W, MODOCW	EDF	
628	ECSed30373	OPS_DMS	1	V	EDC DAAC	Drop 5B.07 DMS does not allow EDG Shopping cart to clean up	DAAC	
629	ECSed30386	RelB0_SDSRV	3	C	EDF	DsMdGrGPolygGPolygonContainer needs to be cleaned up.	EDF	
630	ECSed30388	OPS_DMS	3	C	EDF	V0Gtway returns incorrect message when Order server is down.	EDF	
631	ECSed30393	RelB0_HDF_EOS	3	V	EDF	Merge HDF5 files into Clearcase so that early SCF work can continue	EDF	
632	ECSed30404	OPS_SDSRV	2	C	VATC	Failed to add ESDT	TEST	
633	ECSed30407	RelB0_SDSRV	3	C	EDF	SDSRV should return error if Sybase interface doesn't exist.	EDF	
634	ECSed30408	RelB0_STMGT	2	C	EDF	STMGT Transition Issues with I/O Block Size and Request Mgr Configuratio	EDF	
635	ECSed30413	OPS_Sci_Office	5	C	EDF	New collections required for MODIS reprocessing	EDF	
636	ECSed30420	RelB0_DBDM	2	C	EDF	PDPS database patch script in 6A does not process 5B patches.	EDF	
637	ECSed30422	OPS_PLS	2	T	EDC DAAC	OPS 5B.06+ ASTER On-Demand Orders fail to activate.		Verify at site.Can't duplicate at VATC
638	ECSed30424	RelB0_MSS	2	C	EDF	Add PDS user to MSS database	EDF	
639	ECSed30425	RelB0_SDSRV_DTS	2	C	EDF	Add PDS user to the SDSRV database	EDF	
640	ECSed30426	OPS_Sci_Office	5	C	EDF	New collections required for MODIS reprocessing	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
641	ECSed30432	OPS_DMS	2	C	PVC	Need a Data Dictionary patch to add TS4 mode in PVC	TEST	
642	ECSed30434	OPS_Sci_Office	5	C	EDF	New AIRS ESDTs.	EDF	
643	ECSed30437	OPS_SDSRV_ESDT	3	C	EDF	2 MOPITT Version 2 ESDTs need to be created	EDF	
644	ECSed30438	OPS_INGST	2	C	PVC	InReqMgr core in pthread_start	TEST	
645	ECSed30439	OPS_INGST	3	C	EDF	2 MOPITT Version 2 ESDTs need to be added to the Ingest Database	EDF	
646	ECSed30441	OPS_DBDM	2	C	EDF	Install of DDM scripts is losing old versions	EDF	
647	ECSed30443	OPS_CLS	1	V	EDC DAAC	Users submitting duplicate orders due to ODPR error message	DAAC	
648	ECSed30445	OPS_DPS	3	V	GSFC DAAC	GSFC/SMC: Changes to PDPS required in support of new Promot	DAAC	
649	ECSed30446	RelB0_HDF_EOS	3	V	EDF	HDF-EOS5 files need to be merged	EDF	
650	ECSed30447	RelB0_IDG	3	C	EDF	Add comment on start temperature to EcSbSubServerStart	EDF	
651	ECSed30449	OPS_DDIST	2	C	PVC	Locking of threads prevents request state changes	TEST	
652	ECSed30453	OPS_HDF_EOS	2	V	VATC	HDFEOS library does not handle scanline error case	TEST	
653	ECSed30457	OPS_DPS	3	C	EDF	PM-1 DPREP not to process predictive data.	EDF	
654	ECSed30466	RelB0_MSS	3	C	VATC	/tools/common/EcCoDeleteMode Does Not keep a Copy of cfg File	TEST	
655	ECSed30467	RelB0_SysBld	3	C	VATC	Delete HP hosts from .hostmap and .sitehostmap	TEST	
656	ECSed30468	RelB0_MSS	3	C	VATC	Remove t1sps01 from .hostmap and .sitehostmap files	TEST	
657	ECSed30470	OPS_Sci_Office	5	C	EDF	ESDT Change Requests for L3 Monthly Ocean Color and SST Binned and Map	EDF	
658	ECSed30471	RelB0_SDSRV	3	C	EDF	SCLI does not support get MCF and acquire with Local Granule ID requests	EDF	
659	ECSed30481	RelB0_DBDM	2	C	EDF	EcInDbPatch script produces an error when the DBoutfiles are not exists.	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
660	ECSed30488	RelB0_DBDM	2	C	EDF	MSS 6A_B database patch needs to be a script instead of database patch	EDF	
661	ECSed30491	OPS_CLS	3	C	EDF	JDT: Ensure read/only-read/write flag correctly set before DAR loaded	EDF	
662	ECSed30497	RelB0_IDG	3	C	VATC	EcCsMtMGateway: Site Parameters are Hardcoded	TEST	
663	ECSed30498	RelB0_SDSRV	3	C	VATC	EcDsGranuleDelete: Site Parameters are Hardcoded.	TEST	
664	ECSed30499	OPS_MSS	2	T	EDC DAAC	5B.06 plus 5B.07.DMS.02--Running out of listen threads due to run-time e		Verify at site.Can't duplicate at VATC
665	ECSed30501	RelB0_PLS	2	C	EDF	Timer Thread processing of Notifications too slow	EDF	
666	ECSed30502	OPS_DMS	2	C	VATC	Common Library Error from running DbPatch	TEST	
667	ECSed30522	OPS_DPS	3	C	GSFC DAAC	GSFC/SMC: Automatic QA flag failed on PGE FddAtt Out Produ	DAAC	
668	ECSed30523	OPS_INGST	5	C	EDF	Please add these new versions of DAO ESDTs.	EDF	
669	ECSed30524	OPS_Sci_Office	5	C	EDF	New DAO version2 ESDTs	EDF	
670	ECSed30530	OPS_SDSRV_ESDT	5	C	EDF	New PSAs for AIRS ESDTs	EDF	
671	ECSed30536	OPS_OSS	2	C	PVC	BMGT: Valids/Browse not output to product file	TEST	
672	ECSed30542	RelB0_SDSRV_IIF	3	C	EDF	Need a script to determine differences in .desc files between baselines	EDF	
673	ECSed30543	RelB0_SDSRV	2	C	EDF	DB Patch 6060 needs to be backed out.	EDF	
674	ECSed30561	OPS_INGST	2	V	GSFC DAAC	Add Additional MODAPS Data Providers to INS Database	DAAC	
675	ECSed30572	RelB0_DPS	2	C	PVC	Job Management overwrites DpPrClassSchedulingLimits values	TEST	
676	ECSed30576	RelB0_STMGMT	3	V	EDF	Non thread safe functions in Ftp server		
677	ECSed30577	OPS_OSS	2	C	PVC	BMGT: Stored Procedures for BMGT have problems...	TEST	
678	ECSed30578	RelB0_STMGMT	2	C	EDF	Add Archive Migration stored procs and perl code to baseline	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
679	ECSed30582	OPS_OSS	2	C	EDF	BMGT: Producing Inaccurate XML Product in Spatial Context	EDF	
680	ECSed30591	OPS_SDSRV_ESDT	5	C	EDF	ESDT Change Request for Reprocessing	EDF	
681	ECSed30599	RelB0_DDIST	2	C	PVC	DsDd Archive tables too restrictive	TEST	
682	ECSed30610	RelB0_IDG	2	C	EDF	CSS/EcCsId cfgparms has garbled syntax	EDF	
683	ECSed30615	OPS_SDSRV	3	C	PVC	Various paramters in the SDSRV config file are hard coded	TEST	
684	ECSed30616	OPS_MSS	3	C	EDF	The EcMsDbPDS.ksh should be the EcMsActDbLogins removed	EDF	
685	ECSed30622	OPS_OSS	2	V	EDF	BMGT: Stored Procedure for Granule Product Is Not Picking Data Correctly	EDF	
686	ECSed30631	RelB0_STMGMT	2	C	PVC	StmgGui missing library	TEST	
687	ECSed30634	RelB0_STMGMT	3	V	PVC	Load latest Archive Migration scripts onto the baseline.	TEST	
688	ECSed30635	RelB0_DBDM	3	C	EDF	Granule Deletion doesn't delete from the DsMdGrGPolygon child table	EDF	
689	ECSed30650	RelB0_DBDM	3	C	EDF	During the testing at PVC EcCoDbSyb_DbStat didn't work	EDF	
690	ECSed30662	RelB0_MSS	3	V	EDF	Unable to install from stage area using 6A version of Ecs Assist	EDF	
691	ECSed30669	RelB0_IDG	2	C	EDF	Copied 5B version of Registry Gui to 6A baseline	EDF	
692	ECSed30683	OPS_SDSRV_ESDT	5	C	EDF	Changes to the MODIS MOD12Q1 ESDT.	EDF	
693	ECSed30693	OPS_OSS	2	V	EDF	ECSBBR DLL needs to submit a unique set of file names to DDIST	EDF	
694	ECSed30695	OPS_SDSRV_ESDT	5	C	EDF	Create 2 new ESDTs for Goddard DAAC.	EDF	
695	ECSed30704	RelB0_STMGMT	2	V	EDF	Unable to bring up form for Staging Disk Server.	EDF	
696	ECSed30714	RelB0_SDSRV	3	C	EDF	Typo must be fixed in the SDSRV .rgypatch	EDF	
697	ECSed30715	RelB0_INGST	3	C	EDF	The Ingest .rgypatch has a typo. Gui should be GUI	EDF	

#	Identifier	Subsystem	Severity	State	Location	Description	Verified by	Notes
698	ECSed30737	RelB0_STMGT	2	V	PVC	SDisk::Link failed post Archive::Reteive	TEST	
699	ECSed30744	RelB0_DMS	2	V	PVC	SDSRV core during GSFC regression test in PVC in DsStArchive	TEST	
700	ECSed30745	RelB0_DMS	3	V	VATC	EDG Quality Flag Search Fails Due to Data Problems	TEST	
701	ECSed20807	OPS_DBDM	3	C	EDF	Deletion of servers does not clean out all tables	EDF	
702	ECSed28527	RelB0_STMGT	2	C	VATC	STMGT GUI will not delete server	VATC	

* Lines #80, #132, and #273 are deleted in accordance with PSR (5/16/01)

5.4 NCRS OBE as a Result of Storage Management Re-design

ECSed24524	GSFC/SMC:MOSS3 Formal Run: requester "acdisuser" had the er
ECSed27774	OPS:5B.03:SA:e0acg01:Pull Data @ 100% which resulted to Dis
ECSed29888	EcDsStPrintServer uses ARCHRESCONFIG
ECSed29510	GSFC/SMC - Storage Management GUI acts like a Server
ECSed26478	Copy Daemon died during Performance Test
ECSed26439	Duplicate Rows in Volume Group Table for Archive Server
ECSed23604	Apply button for 8MM configure broke on STMGT Gui
ECSed24501	Misleading error mnemonic for insufficient space in push directory
ECSed27491	GSFC/SMC - Unable to initialize icg01 servers using configu
ECSed25940	OPS:5A.04:PullMonitorServer coredumped twice - mprimett 030
ECSed26809	GSFC/SMC - MCSTuser has been transferring for 8 hours.
ECSed24631	Storage Mangagement GUI will not update database
ECSed24524	GSFC/SMC:MOSS3 Formal Run: requester "acdisuser" had the er
ECSed27986	Fwd/SMC: Failure to trap CopyDaemon failure

6. Machines Impacted

Patch 6A.04 is installed on all machines as identified in the .sitemap file associated with this drop.

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7. Release Instructions

NEW CAPABILITIES:

The following new capabilities are delivered as part of the 6A release. Please refer to the 6A Integration Test Plans for 6A for detailed information regarding these new capabilities. Additional details for the capabilities listed below can be found at:

http://dmsserver.gsfc.nasa.gov/releb_it/relebit.htm

- L7 MOC Engineering
Provides capability to ingest L7MOC Engineering Data via Polling without delivery record.
- Ingest ICESAT
Provides ability to ingest ICESAT data via the INGEST SIPS interface
- SBSRV FtpPull Acquires
Allows subscriptions to be submitted that specify an FTP Pull Acquire as an action
- VOGW Access to Non-Science Collections
Enables searches to be conducted against non-science collections and against granules without spatial and/or temporal metadata
- DDIST Data/Staging Logging
Provides data access and staging activity logs that record the activities associated with archive processing
- Attached DPRs/JDT ODForms
Provides the capability to construct a standing Product Processing Order associated with a Data Acquisition Request
- Reprocessing
Capability incorporated to reprocess data products from any original or updated single data input or combination of inputs
- V0 Gateway Enhancements
Ability to use EDG Client to perform searches on specified attributes
- Parallel AMASS I/O
Allows multiple read/writes to the archive in parallel to improve performance

- Logical Archive
Separates physical location of archived data from the logical location kept in inventory. This allows volume groups to be moved to different physical locations without changing the ID stored in the SDSRV
- Request Manager
Allows STMGT client code to checkpoint requests directly to the database and allows servers to handle requests within a fixed number of threads
- SDSRV Performance -- Batch Insert/Update
Optimizes SQL calls from the SDSRV to Sybase by grouping multiple statements into a single batch and sending them to Sybase together
- SDSRV Performance -- Malloc Reduction
Reduces the number of malloc operations on search, insert validation, and event notification to SBSRV.
- SDSRV Performance -- Dirty Reads
Allows dirty reads when receiving a large number of insert and search requests at the same time.
- SDSRV Performance -- Autoinspect
Stores metadata information in the SDSRV client so that some requests from the client to the SDSRV can be eliminated.
- Granule Deletion
Allows operators to delete granules via a command line interface.
- Machine to Machine Gateway
Provides an automated inventory search, product request, and integrated search and order capability.

GENERAL NOTES:

- 0 There have been significant changes to STMGT for Drop 6A:
 - STMGT is providing several new servers. Instructions will be provided in the Configuration and Initialization section for configuring these new servers.
 - Several STMGT components, including the FTP Client and Copy Daemons, will no longer be required.
 - Only one STMGT server, the newly-added EcDsStRequestManager, will use DCE. All communications between other servers and STMGT servers will be made via the EcDsStRequestManager.
 - The STMGT GUI has been re-engineered and has a new look.

- 1 The new STMGT Servers will have to be added to Whazzup prior to MODE initialization and the Daemons (Copy and FTP Client) and old servers will have to be removed.
- 2 The ECS Assistant SubSystem Manager has a new look. Its basic functionality has not changed.
- 3 There is a change in the MSS Order Tracking database to support the Attached DPR functionality. Due to this change, GDS Order Tracking replication will be suspended at a DAAC whenever that DAAC's database is different from the SMC's database. The SMC will coordinate the database upgrade with each of the DAACs. Instructions for disabling replication are included in Section 2, "Setup, Staging, Mode Preparation." Instructions for re-enabling replication, once both the DAAC and the SMC have been upgraded, are included in Section 6, "Other Pre-Startup Installation and Configuration Activities."

Note that if the SMC upgrades before a DAAC, that DAAC will need to disable replication from the time that the SMC makes the upgrade until the DAAC upgrade is complete. In this case, the DAAC can perform the replication configuration changes and enable replication at the same time as it performs the 6A.04 upgrade.

If the DAAC upgrades before the SMC, however, the DAAC will need to disable replication prior to patching the MSS database and will need to wait to make replication configuration changes and enable replication after the SMC has performed its upgrade.

- 4 These instructions are written to support a 5B.07 to 6A.04 transition. Separate instructions are available for the PVC and the VATC to document the 6A.03 to 6A.04 transition.

CONFIGURATON CHANGES:

- 6) **Configuration parameter updates** – There are currently two practical ways to update Registry configuration parameters: applying registry patches or running mkcfg and repopulating the Registry. In order to minimize the time required for transition, registry patches will be used wherever possible. To keep configuration files synchronized with the registry database, mkcfg will be run for all subsystems at a later time(after the transition is complete and the system is operational).
- 7) **Mkcfgs** – After the Drop 6A code has been installed, mkcfg will be performed for all new servers (the .rgypatch process will be used to update registry configuration parameters for existing servers) and for certain components (such as Toolkit) that use the mkcfg process for other purposes. As a post-installation activity (once the mode has been installed and started using the updated registry values), mkcfg will be run from EASI for all servers so that the

.CFG.rgy files may be updated for all servers so that they are better synchronized with the registry configuration parameters. See the Subsystem Configuration Parameters section for further details.

- 8) **Database Updates** – Database patches or upgrade scripts will generally need to be applied for the following subsystems: CSS/Registry, DSS/STMGT, DSS/SDSRV, INGEST, MSS, and PDPS. Note that some database patches may not need to be applied if certain TEs have already been installed. See the Subsystem Database Builds/Patches section for further details.
- 9) **Mkcds** – The ECS Assist Subsystem manager will be used to run mkcdsentry for all new servers.
- 10) **Registry Patches** – Registry patches are provided for CSS/IDG, DMS, INS, and MSS.
- 11) **Required Test Executables** – The PSR document contains details regarding TEs that must be installed prior to the 6A.04 installation as well as TEs that must be installed along with the 6A.04 release. Carefully review and follow the instructions provided with these individual TEs to install them as required.
- 12) **Do not install any ESDTs from this software drop. ESDT updates are now being delivered as test executables only.**

7.2 Setup, Staging, Mode Preparation

This section describes the activities that must be performed to set up the staging area, to stage the drop, and to prepare the mode for installation.

Order Tracking Replication Suspension

Order tracking replication must be suspended whenever the DAAC and the SMC order tracking databases are not at the same version level. Since the SMC will likely upgrade their database first, this step will likely take place before any other transition work at the DAAC. It does not use any 6A.04 code and can therefore be performed either before or after the 6A.04 code is received by the DAAC. Once the replication is suspended, GDS order tracking information will not be sent to the SMC until after 6A.04 is installed and replication is resumed. The procedures for resuming this replication are included in the MSS portion of Section 6, Other Pre-Startup Installation and Configuration Activities.

This process will require coordination with the SMC since the two steps listed below must be applied in the order listed.

- ___ a) At the SMC,
 Quiesce the system.
 Execute the following to drop the subscription to the DAAC's replication definition for GDS Order Tracking: **Note: You will need to substitute the placeholders in the brackets with the correct Replication Server Name, SQL Server, MODE, DAAC and RV_ID value.**
- ___ b)
- ___ c) Log into {Replication Server}
- ___ d) **drop subscription EcAcRequest_sub_{DAAC}_SMC_{RV_ID} for EcAcRequest_rd_{DAAC}_{RV_ID}**
- ___ e) **with replicate at {SQL Server}.mss_acct_db_{MODE}**
- ___ f) **without purge**
- ___ g) **go**
- ___ h)
- ___ b) At the DAAC,
 Quiesce the system.
 Stop the replication agent:
 use {SQL Server}
 go
 sp_stop_rep_agent
 go

 Execute the following to drop the replication definition at the DAAC. **Note: You will need to substitute the placeholders in the brackets with the correct Replication Server name, DAAC and RV_ID parameter values.**
- ___ c)
- ___ d) Log into {Replication Server}

Setup, Staging, Mode Preparation (continued)

- ___ e) drop replication definition `EcAcRequest_rd_{DAAC}_{RV_ID}`
- ___ f) go

Setup:

A. Setup Preparation

- ___ a) **Review any Workarounds for the Setup phase.**
- ___ b) Verify/create adequate disk resources on staging server (see Table A)
- ___ c) Create the staging directory for this release:

```
./<distribution_directory>/<stage_directory>/<platform_type>
```

where:

<server_name> is the host name of the staging server (see Table A)

<distribution_directory> is the name of the top-level distribution directory (currently dist at all DAACs)

<stage_directory> is the name of the staging directory for this drop, such as DROP6A.04

<platform_type> is the architecture-specific directory name (SUN, IRIX65, TOOLKIT)

Table 2-1 – Staging Servers

PARAMETER	VALUE
EDC	e0mss01
GSFC	g0mss10
LaRC	l0mss10
NSIDC	n0mss01
VATC	t1code1
PVC	p0msh11

- ___ d) Notify SMC to deliver the release
- ___ e) Verify receipt of the release and file sizes. For **each** <platform_type>:

```
cd ./<distribution_directory>/<stage_directory>/<platform_type>  
... verify the <drop_name>_Pkg.tar.gz file is present  
... verify the <drop_name>_Setup.ksh file is present
```

- ___ f) Check disk resources on each installation host.

Setup, Staging, Mode Preparation (continued)

Staging:

A. Unpacking tar files

Unpack the delivery tar files (this step must be performed under a user account with write permission to <stage_directory> and /tools/common) on the staging server. Note: Unpacking the new EcsAssist, which must be installed for these instructions to work properly, require root privileges.

For **each** <platform_type>:

___ a) Change to the platform staging directory:

```
cd /<distribution_directory>/<staging_directory>/<platform_type>
```

___ b) Execute the setup script (change the permissions on the script to 755 if necessary):

```
./<drop_name>_Setup.ksh
```

___ c) At the prompt “Press ^C to Cancel, Any Other Key to Continue:”, press any key except ^C.

___ d) At the “Continue? (Y/N):” prompt, enter **Y**

___ e) At the “Extract ECS tar packages? (Y/N):” prompt, enter **Y** for all platforms

___ f) Verify that the staging area location is correct on the line “Install ECS Staging area to:
<distribution_directory>/<staging_directory>/<platform_type>”

___ g) If correct, enter **Y** at the prompt “Enter ^C to Cancel, ‘N’ to change, ‘Y’ to continue:”

___ h) Verify that the following messages are received for each <platform_type>:
Cleaning up ... done.

Delivery setup is complete, you may now install ECS from staging area.

___ i) At the prompt “Update ECS Assist Common Files? (Root only)(Y/N)”, enter **Y** for the Sun tar file.

___ j)

B. Preparing staged files for installation

___ a) Change file permissions to allow staged installation (ECSed20099). This action must be performed as the user account used to stage the delivery.

```
cd /<distribution_directory>/<stage_directory>/SUN/CUSTOM/dbms/MSS/ddm_mss_support
```

___ b) **chmod -R 0755 ***

___ c) **cd /<distribution_directory>/<stage_directory>/SUN/CUSTOM/dbms**
chmod 0744 CSS/EcSbSybaseLogins.sql
chmod 0744 CSS/EcCsSbDbLogins

Setup, Staging, Mode Preparation (continued)

```
chmod 0744 DMS/EcDmSybaseLogins.sql
chmod 0744 DSS/DsDbSybaseLogins
chmod 0744 IOS/EcIoSybaseLogins.sql
chmod 0744 PLS/EcPIDbLogins
```

```
cd /<distribution_directory>/<stage_directory>/IRIX65/CUSTOM/dbms
chmod 0744 DSS/EcDsStDbLogin
chmod 0744 DSS/EcDsStDb6ALogins
chmod 0744 DSS/EcDsStDbsdsrvLogin
chmod 0744 INS/EcInDbLogin
```

___ d) `chmod 0744 CSS/ddm_css_support/EcCsRgDbLogins`

Mode Preparation:

- ___ a) **Review any Workarounds for the Mode Preparation phase.**
- ___ b) Verify that the CUSTOM code partitions for the mode on each host have adequate space for the new installation.
- ___ c) Obtain a full backup of the system and/or mode for all hosts and databases.
- ___ d) Shut down all servers for the mode [Execute kill_mode]
- ___ e) Bring up all STMGT servers (**except** for Pull Monitor) cold.
- ___ f) Shut down all STMGT servers.

Registry Preparation:

Delete any old Registry Trees that are no longer needed:

Note: The 5B.07_REGISTRY.01 TE **must** be installed prior to the deletion of any registry tree in 5B.07. If this TE is not installed, these steps may be safely performed once the 6A.04 registry code has been installed. Due to registry database space constraints at some sites, however, it is strongly recommended that the TE be installed and old registry trees deleted at this stage of the installation process.

- ___ a) Verify that the Registry database has been backed up (see Mode Preparation above).
- ___ b) Start the Registry GUI for the mode into which Drop 6A.04 is being installed.
- ___ c) Select an obsolete tree from the drop-down list under "Attribute Tree Name".
- ___ d) Click on the name of the attribute tree in the window below (the window with a white background) to enable the menu icons.
- ___ e) Click on the "**Delete**" icon.
- ___ f) Select the "Yes" button to confirm the deletion.
- ___ g) Repeat steps c) through f) to delete any other obsolete registry trees.

Setup, Staging, Mode Preparation (continued)

Create a new Registry Tree for the mode that is to be installed:

- ___ a) Select the attribute tree name that is mapped to the current mode from the drop-down menu (when the correct tree is selected, the name of the mode should appear in the "Attribute Information" box below).
- ___ b) Click on the name of the attribute tree in the window below (the window with a white background) to enable the menu icons.
- ___ c) Click on the "**Copy selected item**" icon (the icon on the left).
- ___ d) Enter the name of the new registry tree in the Attribute Name box (e.g., <MODE>_6A04).
- ___ e) Select the <Ok> button.
- ___ f) Wait for the new tree to be created (**NOTE:** It may take a long time for the new tree to be created -- on the order of 30 minutes).
- ___ g) Select the newly-created tree name in the window.
- ___ h) Click on the **MAP** icon.
- ___ i) Select the mode name from the drop-down menu in the new window that appears and select <Ok>.

Create a Registry Patch from the new Registry Tree to aid in STMGT database transition (first create a blank registry tree and then create a registry patch file indicating the differences between the blank tree and the new tree):

- ___ a) Select "Add_New" from the Attribute Tree Name drop-down menu.
- ___ b) Enter the name for the blank tree (e.g., Blank)
- ___ c) Select Utilities → Create Registry Patch from the top line menu.
- ___ d) Select the blank tree name from the pull-down menu associated with "Old Attribute Tree".
- ___ e) Select the new 6A.04 tree name from the pull-down menu associated with "New Attribute Tree".
- ___ f) When prompted, enter the name "rgyparams" for the registry patch. If no path is specified, the file will be saved to your current working directory.
- ___ g) Exit the GUI by selecting the **File → Exit** menu option.

Setup, Staging, Mode Preparation (continued)

___ h) Move the file rgyparams to the /usr/ecs/<MODE>/CUSTOM/data/DSS directory on the STMGT database platform (xxacgxx).

Note: Although the registry will be repopulated from .CFG files during the configuration phase, creating a new registry tree still serves two purposes. First, it provides a copy of the existing registry that can easily be mapped to the mode in case a fall-back is required. Second, it eliminates the need for some manual configuration of the registry that would otherwise be required if using a new tree.

Endpoint Manager and CDS Manager files

Copy the Endpoint Manager files for each architecture to their corresponding architecture-dependent common tools directory. (This procedure must be performed using the user account which is the owner of the /automnt/tools/bin/<architecture> directory.)

From the staging server (see Table 1), for **each** <platform_type> and corresponding <architecture> (sun5.5 or irix6.5):

```
cd /<distribution_directory>/<stage_directory>/<platform_type>/common/bin
cp EcCoCdsMgr /automnt/tools/bin/<architecture>
cp EcCoEpMgr /automnt/tools/bin/<architecture>
```

Storage Management Preparation:

A. Capture STMGT Server Configurations from STMGT GUI

After installation is complete, STMGT servers will need to be configured via the STMGT GUI. Existing configuration values should be printed out so that they will be available when reconfiguring the servers.

- ___ a) Start the STMGT GUI.
- ___ b) Print the initial screen (it may be helpful to enlarge the window so that all server types are visible on the screen without scrolling).
- ___ c) For each server type in the Configuration Parameter Reporting window where "# of Servers" is not 0, click on the server type and click on the "View Servers" button.
- ___ d) Click on the first server name in the window below, and then click the "Modify" button.

Setup, Staging, Mode Preparation (continued)

- ___ e) Print out the window that appears after clicking the Modify Server button. If there are any additional buttons in that window that bring up another window with configuration parameters, click on that button and print out the window that appears.
- ___ f) Continue this procedure for all server types and servers that are configured.
- ___ g) Ensure that all data is fully captured in the printouts. Some longer values (such as "Root Path" for the Staging Monitor Servers) may not fit in the window and may need to be manually captured.

B. Create Cache and Disks Directories

For each root path configured for a Staging Monitor Server in the STMGT GUI, create a corresponding cache directory that will be used in 6A.04.

- ___ a) Identify the root path for a Staging Monitor Server from the STMGT GUI screen captures.
- ___ b) Identify the owner of the directory (or directories) under that root path. Log in as that owner (usually cm<mode>), change to the identified root path directory.
example: **cd /devdata1/TS1/ICL1/StagingArea**
- ___ c) Create the cache and disks directories:
example: **mkdir cache**
mkdir disks
- ___ d) Repeat steps a) through c) for all instances of the Staging Monitor Server configured via the STMGT GUI.

C. Delete Any Duplicate Volume Groups

Prior to 6A, it has been possible for multiple volume group entries to be created for a single data type in the STMGT database even though only one entry is visible on the STMGT GUI. The following procedures must be followed to identify and update any duplicate volume group entries:

- ___ a) Log into the STMGT database:
isql -S xxacgxx_srvr -U <dbo_user_name> -P <dbo_user_password>
use stmgtdb1[_MODE]
go

Setup, Staging, Mode Preparation (continued)

___ b) Search for any duplicate volume group entries

```
select
from
where
group
having
order
go
VolumeGroupName,
VolumeEndDate
is
VolumeGroupName,
VolumeEndDate
count(*)
>
VolumeGroupName,
VolumeEndDate
```

___ c) For each duplicate volume group entry identified above, display the required information:

```
select
from
where VolumeGroupName = '<Group Name for duplicate volume group>' and VolumeEndDate is
NULL
order by VolumeGroupName, ServerId, VolumeStartDate
```

___ d) For any duplicate volume group entries that are found in the list output from the statements above, update the unwanted entries:

```
update
where
and
and
and
VolumeEndDate
=
getdate()
'<Group Name for volume group to be updated>'
'<Server Id for volume group to be updated>'
'<Volume Start Date for volume group to be updated>'
is
NULL
```

Note that the fourth line is only needed if there are multiple entries with the same VolumeGroupName and ServerId.

D. Delete Registry Entries for Obsolete STMGT Servers

Delete all registry entries for EcDsStStagingMonitorServer, EcDsSt8MMServer, EcDsStFtpDisServer and EcDsStIngestFtpServer.

___ a) Start the registry server.

___ b) Select the newly-created attribute tree that will be used for 6A.04.

___ c) For each instance of a registry entry for one of the servers listed above, delete the entry by:

Click on the server name in the registry tree.

Setup, Staging, Mode Preparation (continued)

Click on the "Delete" icon.
Click "Yes" to confirm the deletion

- ___ d) Repeat steps a) through c) for all instances of the servers listed above. Note that some of these servers appear on multiple hosts and will therefore need to be deleted from the registry branch for each host on which they are installed.

Save Parameters:

- ___ a) Save the 5B configuration environment by running the following as cm<mode>. If a complete system backup is made this step is not necessary:
- ___ b)
- ___ c) **setenv DISPLAY <ip address of workstation>:0.0**
 - ___ d) **ssa**
 - ___ e) (enter passphrase when prompted)
 - ___ f) **/tools/common/ea/EcCoSaveDirs <MODE>**
 - ___ g)
- ___ h) When the save script completes change to the /home/cm<mode>/Saved_Parms/<MODE> directory and verify that directories exist for all the hosts in the .hostmap file. (The .hostmap can be found in /tools/common/data/ea.)
- ___ i) Check the log file for any errors. The log file can be found in the /home/cm<mode>/Saved_Parms/<MODE>/logs directory. The file is named EcCoDeleteModeDebug.log.

Mode Deletion:

- ___ a) Before deleting the mode, be sure to copy any data that you wish to save to a directory that will not be deleted by the EcCoDeleteMode script. This includes anything in the HDF, HDFEOS, TOOLKIT, WWW, bin, cgi-bin, dbms, docs, eosview, lib, logs, recovery, temp, toolkit, and utilities directories.
- ___ b) Note: ESDTs may be installed in the /lib/ESS directory at some sites. If the ESDTs are deleted from this directory, any ESDTs that have already been inserted into the SDSRV will continue to be operational.
- ___ c)
- ___ d) The install lead (logged in as cm<mode>) deletes the 5B configuration environment by running the following:
 - ___ e)
 - ___ f) **setenv DISPLAY <IP address of workstation>:0.0**
/tools/common/ea/EcCoDeleteMode <MODE>

NOTE: You will be prompted twice to enter YES. This is a very dangerous command. Once you do this the only way to get back is to restore the mode from a backup or to re-install.

Setup, Staging, Mode Preparation (continued)

- ___ a) You should check the following directories and perform manual cleanup if needed. The script EcCoDeleteMode will only remove files that are owned by the same users that is running the script. For example, if you have files owned by cmshared, then you may also rerun the script as cmshared. The following directories are the ones that the current version of the EcCoDeleteMode script tries to cleanup: HDF, HDFEOS, TOOLKIT, WWW, bin, cgi-bin, dbms, docs, eosview, lib, logs, recovery, temp, toolkit, and utilities. **Do not remove any other directories or mount points or files under any other directory.**
- ___ b) The EcCoDeleteMode script also moves all cfg directories to a new directory of the form cfg.yyyymmddhhmmss. In order to save time (by not requiring mkcfg to be run for all servers during the initial transition), these directories need to be copied back to the original cfg directories on each platform:
 - cd /usr/ecs/<MODE>/CUSTOM/ cfg.yyyymmddhhmmss cfg**
 - cp -rp * ../cfg**
- ___ c) **Note:** Be sure to copy the directory instead of moving it.

Setup, Staging, Mode Preparation (continued)

These procedures are order-dependent. Each individual step should be completed before the follow-on step is attempted.

Replace all occurrences of the string <MODE> with the mode into which you are performing the installation i.e. TS1, TS2 TS3 or OPS.
Replace all occurrences of <stage_directory_location> with the path name of the staging directory.

Prerequisites:

- ___ a) Read and familiarize yourself with the document Release 6A Operations Tools Manual, document number 609-CD-600-001, with focus on the chapter on EcsAssist.
- ___ b) Review the .sitemap file in the staging area for additions/deletions/changes to the installed configuration. Identify the software packages to be installed on this host . The .sitemap is located at:
/<distribution_directory>/<stage_directory>/<platform_type>/<architecture>/
- ___ c) Obtain the staging area directory path name from the installation lead. This should NOT include the architecture-specific path component (such as SUN, IRIX65):
<stage_directory_location> = _____
- ___ d) Ensure that the host for EASI has sufficient free memory. EASI has significant memory requirements, and if its host runs out of memory during execution of the installation, the end state of the system is indeterminate. Check to make sure that the platform has at least 50 MB of available memory before beginning the installation. E.A.S.I use sockets to connect to the hosts which are being installed.
- ___ e) **Ensure that Replication has been disabled for the mode prior to proceeding with the Installation process. Instructions are provided in the Configuration and Initialization section for Replication (Section 14 of this document) to accomplish this task. Note: For upgrades from 6A modes, this step may be skipped if the Replication package (.EcMsRep.iu) is deselected so that it is not installed on the MSS Sun platform during the installation process.**

Installation:

- ___ a) On any SUN host, activate the ECS Assistant.
- ___ b) Select **E.A.S.I.**
- ___ c) Select the correct **mode**.
- ___ d) Enter the staging directory as specified in the Prerequisites(c) above. When entering the Staging Area, don't enter a platform directory name. For example, enter: /net/<staging_host>/codedrop2/6A_04, not /net/<staging_host>/codedrop2/6A_04/SUN. During Installation, E.A.S.I. will choose the appropriate architecture depending on the machine on which it is installing custom code. Press: <RETURN>.
- ___ e) Click: **CUSTOM** and then click: **Next**
- ___ f) Ensure that the Sort by dialogue box has **Host** selected.
- ___ g) Hold down the **Shift Key** and click on **each Host**. Click **Next**.
(Note: Toolkit no longer needs to be installed separately from the rest of the custom code).
- ___ h) Click **Install** as the Execution Phase. Click: **Next**.
- ___ i) Installation Type: **Staging Area** Source File Location: **Stage** Click: **Next**.
- ___ j) Review information in the E.A.S.I. Installation Confirmation window. Click: **Next**.
- ___ k) Click: **Yes** for Final Confirmation.

Setup, Staging, Mode Preparation (continued)

- ___ l) The E.A.S.I. Status window appears. Click: **COMM**
- ___ m) **Ensure that only the appropriate hosts are displayed in the E.A.S.I. Status window.**
- ___ n) Observe the box next to each host turn green after E.A.S.I. has established communication with the host.
- ___ o) Click: **INSTALL**
You may expand the hosts, subsystems, and components down to the package level. As the various packages are installed you may watch the progress. NOTE: As the installation starts a window displaying the installation progress will be opened for each host selected.

Verification:

- ___ a) The install is complete when all hosts return to idle status and button to the left of the host names are turned to either green or red. Note warnings are reported as red and not yellow.
- ___ b) When all hosts are idle, exit E.A.S.I by clicking on **Cancel** and then **Exit**.
- ___ c) Review the install log for any host for which a red icon is displayed and determine the cause of the installation failure.
- ___ d) When any install failures have been resolved you may proceed to the Configuration section.
- ___ e)

Setup, Staging, Mode Preparation (continued)

This section contains information for creating, modifying, or deleting configuration parameters for 6A.04. Each subsection contains information for a particular subsystem indicating the changes to configuration parameters for that subsystem as well as specifying how to incorporate the identified changes. A few general notes on configuration parameters:

- When running "keytabs" on an IRIX 6.5 platform, a message indicating a "Data integrity error" will appear in the output window. This error message may be safely ignored.
- Registry patches **must** be run on Sun platforms.
- If the configuration is not being performed on a subsystem-by-subsystem basis, the following outline of required configuration activities extracted from the individual subsystem portions of this section may be useful:
 - Run mkcfg and, if indicated, keytabs for the following:
 - ❑ CLS/EcCl/EcClOdProductRequestApp (installed on xxinsxx)
 - ❑ CSS/EcCsId/EcCsMtMGatewayApp (installed on xxinsxx) -- run keytabs
 - ❑ DPS/EcDpSc (installed on xxspgxx)
 - ❑ DPS/EcDpPr (installed on xxspsex)
 - ❑ DSS/EcDsSr (installed on xxacsxx for Granule Deletion -- must be run from DSS/EcDsSr level)
 - ❑ DSS/EcDsSt (installed on all STMGT platforms – xxacgxx, xxdrgxx, xxicgxx, xxwkgxx, xxdisxx) -- run keytabs
 - ❑ Toolkit (installed on xxspgxx)
 - Populate the registry using EcCoPopulateRegistry
 - Move .CFG files to .CFG.rgy files (Except for **EcDsClQaMetadataUpdate.CFG** and **EcDpPrEM.CFG**)
 - Run registry patch for the following:
 - ❑ CSS (located under /usr/ecs/CUSTOM/.installed/CSS/IDG on xxinsxx)
 - ❑ DMS (located under /usr/ecs/<MODE>/CUSTOM/.installed/DMS on xxinsxx)
 - ❑ INGEST (located under /usr/ecs/CUSTOM/.installed/INS on xxacsxx)
 - ❑ MSS (located under /usr/ecs/CUSTOM/.installed/MSS/MCI/Ac on xxmssxx)
 - Run registry work-arounds

Setup, Staging, Mode Preparation (continued)

- ❑ On `xxdisxx`, copy the media options patch (**.rgypatch.MediaOptions**) under the `/usr/ecs/<MODE>/CUSTOM/.installed/DSS/distribution` directory to **.rgypatch** and apply the registry patch.
- ❑ Via the Registry GUI, remove the underscore (`_`) from the value corresponding to the "HardwareCI" attribute under the Distribution Server .CFG entry.

4.1 CLS Configuration

The following two tables list the new and deleted configurable parameters from 5B.07 to 6A.04 for CLS.

A. New Configuration Parameters

The following are new configuration parameters that will be loaded during the `mkcfg` or registry patch process.

Setup, Staging, Mode Preparation (continued)

Table 4-1 – New CLS Configuration Parameters

Parameter	Recommended Value
EcCIODProductRequest:	
DebugLevel	0
DAYS_UNTIL_EXPIRATION	180

B. Deleted Configuration Parameters

The following are existing configuration parameters that will be deleted by the mkcfg or registry patch process.

Table 4-2 – Deleted CLS Configuration Parameters

Parameter	Recommended Value
EcCIODProductRequest:	
DeltaTime	___ a) N/A
MajorVersion	N/A
MinorVersion	N/A
acIDBName	N/A
Release	N/A
<i>Deleted Tags (all parameters deleted)</i>	
EcIDtDesktopDaacUser	
EcCIDtDesktop	
EcCIDtDesktopSciUser	
EcCIWbDtDART	

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
EcCIWbUr	
EcCIWbDc	
EcCIWbJessProxyServer	
EcCIWbJest	
EcCIWbFoliodProxyServer	
EcCIWbjest	

C. CLS Configuration Procedures

The mkcfg process will be used to create .CFG files and populate the newly-created 6A.04 registry tree. In addition, the CLS mkcfg process creates several other required files.

A. Run mkcfg

From ECS Assist Subsystem Manager, run mkcfg for CLS/EcCI/EcCIodProductRequestApp (installed on xxinsxx). Note that mkcfg can be run at the component level.

B. Populate Registry

These procedures will populate the new 6A Registry Attribute Tree with the values that were generated via mkcfg. Once mkcfg has been executed for each of the specified components, the PopulateRegistry tool will be used to insert the values from the .CFG files into the Registry database.

___ a) **Verify the following :**

- 1) All configuration files have been created (mkcfg) for EcCIodProductRequest.
- 2) The CSS .EcCsRegistryPopTool.pkg has been installed on the CLS machine.
- 3) The script to run the population tool exists in /tools/common/ea/EcCoPopulateRegistry.

___ a) ___ b) **Run the Population Tool.** The population tool can be run once on each machine on which .CFG files are being created **or** once for the entire mode. To run the tool on each machine, follow the steps listed below, supplying the HostName of the CLS platform when running the population tool from the command line as identified below. To run the tool once for the entire mode, perform the verification steps listed above for all platforms on which mkcfg is to be run (for all subsystems/components specified in sections 4.1-4.10) and execute the population tool using the 'ALL' option for HostName.

___ b) To run the tool do the following (note: steps preceded by "***" only need to be followed if populating the registry for the entire mode):

- 1) ****Logon** to any SUN in the .hostmap.
- 2) ****Enter "ssa"** (without the quotes) at the command line and input the appropriate secure shell password when prompted.
- 3) The command to run the tool is: /tools/common/ea/EcCoPopulateRegistry MODE {HostName|ALL} {ConfigFileName|ALL} DbServerName DbUserName DbPassword DbName AttributeTreeName. For Transition the following parameters are used:

Setup, Staging, Mode Preparation (continued)

- MODE - the mode that you are working in.
 - HostName – the name of the CLS platform (xxinsxx) **or** ALL
 - ConfigFileName – ALL – Note: Use the ALL option to load all configuration files under /usr/ecs/MODE/CUSTOM/cfg. You can also load a single configuration file by giving its full path, i.e. /usr/ecs/OPS/CUSTOM/cfg/EcSbSubServer.CFG. ****NOTE:** The EcDmGwPackage.CFG file should not be loaded into the Registry. This file needs to be temporarily renamed while loading the files on the host where it exists. You can determine on which host this file resides by searching the .sitemap for .EcDmINTFCSVR.pkg for your site.
 - DbServerName - SQL server name where Registry Database resides (see database build section).
 - DbUserName - database dbo name.
 - DbPassword – password for DbUserName.
 - DbName – EcCsRegistry_<mode>. For OPS, use EcCsRegistry.
 - AttributeTreeName – the form is <mode>_<release>. For example, OPS_6A.04.
- 4) The Population Tool will report the success or failure status back to the screen for each configuration file.
****** When populating the registry for the entire mode, the output will be saved as /home/cm<MODE>/Saved_Parms/<MODE>/logs/EcCoPopulateRegistryDebug.log instead of being displayed on the screen. Once the population is complete (it should take several minutes to populate the entire mode), review this log to verify that the registry database was populated correctly.
- 5) When all files have been loaded, the CFG files on each host need to be renamed to XXXX.CFG.rgy, from the command line. The following commands can be used:
- For one file: 'mv file file.rgy'
 - For multiple files (in c shell):

```
foreach file (*.CFG)␣
mv $file $file.rgy␣
end
```
- ** Important Note:** The QA Metadata Update Tool .CFG file (**EcDsCIQaMetadataUpdate.CFG**) must **not** be renamed. The QA Metadata Update Tool cannot use the Registry and therefore will not run unless this file exists. In addition, it is recommended that the **EcDpPrEM.CFG** files not be renamed in order to prevent the excessive network traffic that is generated each time the EcDpPrEM executable is started.

C. Run Registry Patch

The CLS registry patch does not need to be applied. All updated registry parameters will be applied by running mkcfg and populating the registry.

4.2 CSS Configuration

The following two tables list the new and deleted configurable parameters from 5B.07 to 6A.04 for CSS.

A. New Configuration Parameters

The following are new configuration parameters that will be loaded during the mkcfg or registry patch process.

Table 4-3 – New CSS Configuration Parameters

Parameter	Recommended Value
EcCsMtMGateway:	
Site	Defaulted to the current Site
AppLogLevel	0
AppLogSize	200000
DebugLevel	3
ListeningPort	15800
ConnectionTimeout	30
MaxRequest	4
Daemonized	0
MaxOrderSize	200
MaxSearchGranule	30
SDSRVUR	[:DSSDSRV]
MSSUID	labuser
HasMSSUID	1
NotAccessESDTs	L70R.* L70RWRS.* L7IGS.*

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
	L7IGSWRS.*
SearchFlag	2
OrderFlag	2
SearchOrderFlag	2
Num_EcCsMtMGateways	3
NoReqArgs	2
PORT	9999
TIMEOUT	60
EcSbSubClient:	
DebugLevel	0
EcSbGui:	
Site	Defaulted to the current Site

B. Deleted Configuration Parameters

The following are existing configuration parameters that will be deleted by the mkcfg or registry patch process.

Table 4-4 – Deleted CSS Configuration Parameters

Parameter	Recommended Value
EcCsLandsat7GatewayMkcfg:	
aclDBName	N/A
DBAclKey	N/A
DBLibrary	N/A
DBServer	N/A

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
DBLoginName	N/A
DBPassword	N/A
DBName	N/A
UpdateAclTime	N/A
EcSbSubServer:	
Name	N/A
ProgramID	N/A
ApplicationID	N/A
SubSysName	N/A
MajorVersion	N/A
MinorVersion	N/A
Release	N/A
ServerShortName	N/A
GroupName	N/A
ProfileName	N/A
acldbName	N/A
AppStrtNum	N/A
UpdateAclTime	N/A
SRFflag	N/A
Messpassflag	N/A
RecLogFileName	N/A
SendLogFileName	N/A

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
SubscriptionObj	N/A
EventsObj	N/A
EcCSbDBUserName	N/A
EcCSbDBPassword	N/A
DBHandleList	N/A
DBName	N/A
DDICTUserName	N/A
HostPolicy	N/A
SYBASE	N/A
SYSINTERFACES	N/A
EcSbSubClient:	
Name	N/A
ProgramID	N/A
ApplicationID	N/A
MajorVersion	N/A
MinorVersion	N/A
Release	N/A

C. CSS Configuration Procedures

The mkcfg process will be used to create .CFG and populate the newly-created 6A.04 registry tree. In addition, the CLS mkcfg process also creates several other required files.

Setup, Staging, Mode Preparation (continued)

A. Run mkcfg and mkcdsentry

From ECS Assist Subsystem Manager, run mkcfg and keytabs for CSS/EcCsId/EcCsMtMGatewayApp (installed on xxinsxx). Note that mkcfg can be run from the component level.

B. Populate Registry

- ___ a) The population tool can be run once on each machine on which .CFG files are being created **or** once for the entire mode. To run the tool on each machine, follow the steps listed below, supplying the HostName of the CSS platform on which the Machine to Machine Gateway is installed (xxinsxx) when running the population tool from the command line as identified below. To run the tool once for the entire mode, perform the verification steps listed above for all platforms on which mkcfg is to be run (for all subsystems/components specified in sections 4.1-4.10) and execute the population tool using the 'ALL' option for HostName.
- ___ b)
- ___ c) To run the tool do the following (note: steps preceded by "***" only need to be followed if populating the registry for the entire mode):
- 1) ****Logon** to any SUN in the .hostmap.
 - 2) ****Enter "ssa"** (without the quotes) at the command line and input the appropriate secure shell password when prompted.
 - 3) The command to run the tool is: `/tools/common/ea/EcCoPopulateRegistry MODE {HostName|ALL} {ConfigFileName|ALL} DbServerName DbUserName DbPassword DbName AttributeTreeName`. For Transition the following parameters are used:
 - **MODE** - the mode that you are working in.
 - **HostName** – the name of the CLS platform (xxinsxx) **or** ALL
 - **ConfigFileName** – ALL – Note: Use the ALL option to load all configuration files under `/usr/ecs/MODE/CUSTOM/cfg`. You can also load a single configuration file by giving its full path, i.e. `/usr/ecs/OPS/CUSTOM/cfg/EcSbSubServer.CFG`. ****NOTE:** The `EcDmGwPackage.CFG` file should not be loaded into the Registry. This file needs to be temporarily renamed while loading the files on the host where it exists. You can determine on which host this file resides by searching the .sitemap for `.EcDmINTFCSVR.pkg` for your site.
 - **DbServerName** - SQL server name where Registry Database resides (see database build section).
 - **DbUserName** - database dbo name.
 - **DbPassword** – password for DbUserName.
 - **DbName** – `EcCsRegistry_<mode>`. For OPS, use `EcCsRegistry`.
 - **AttributeTreeName** – the form is `<mode>_<release>`. For example, `OPS_6A.04`.
 - 4) The Population Tool will report the success or failure status back to the screen for each configuration file.
****** When populating the registry for the entire mode, the output will be saved as `/home/cm<MODE>/Saved_Parms/<MODE>/logs/EcCoPopulateRegistryDebug.log` instead of being displayed on the screen. Once the population is complete (it should take several minutes to populate the entire mode), review this log to verify that the registry database was populated correctly.
 - 5) When all files have been loaded, the CFG files on each host need to be renamed to `XXXX.CFG.rgy`, from the command line. The following commands can be used:
 - For one file: `'mv file file.rgy'`
 - For multiple files (in c shell):

```
foreach file (*.CFG)␣
mv $file $file.rgy␣
end
```

Setup, Staging, Mode Preparation (continued)

**** Important Note:** The QA Metadata Update Tool .CFG file (**EcDsCIQaMetadataUpdate.CFG**) must **not** be renamed. The QA Metadata Update Tool cannot use the Registry and therefore will not run unless this file exists. In addition, it is recommended that the **EcDpPrEM.CFG** files not be renamed in order to prevent the excessive network traffic that is generated each time the EcDpPrEM executable is started.

C. Run Registry Patch

Apply the registry patch using ECS Assist from a CSS Sun platform (such as xxinsxx). Note that the registry patch can only be applied from a Sun platform and that it only needs to be applied once (i.e., if a subsystem/component is installed on multiple hosts it does not need to be applied on each host). To apply the registry patch, follow these procedures:

- ___ a) From the ECS Assist Subsystem Manager, select the appropriate Mode, Subsystem, and Component from the main window.
- ___ b) Select "Registry Data Patch" from the "Tools" menu. An "Apply Registry Data Patch" window will appear.
- ___ c) In the "Apply Registry Data Patch" window, enter the name of the SQL server in the "Registry Database Server:" box.
- ___ d) Enter the registry database DBO ID and password, respectively, in the next two boxes.
- ___ e) In the next ("Registry DB Name:") box, be sure to enter the name of the registry database (**EcCsRegistry[_<mode>]**) and press the **<ENTER>** key. This will cause ECS Assist to connect to the registry database and populate the drop-down menu associated with the next field ("Tree to patch:").
- ___ f) Use the drop-down menu to select the appropriate registry tree that is being patched (if you don't know which tree to select, bring up the registry GUI and verify which tree is mapped to the mode that you are updating).
- ___ g) Finally, click on the "Select Patch File" button to bring up the "File Selection Dialog" window.
- ___ h) Navigate through this window to find the .rgypatch file
- ___ i) Note: If your installation was successful, it should appear as /usr/ecs/CUSTOM/.installed/CSS/IDG/.rgypatch.
- ___ j) Highlight the .rgypatch file in the window and select **<OK>**.
- ___ k) Verify that the appropriate information is indicated in the "Patch File:" box in the "Apply Registry Data Patch" window and select **<OK>**.

At this point, the registry patch will be applied. Monitor the output via ECS Assist for any warning or error messages as the patch is run.

4.3 DMS Configuration

The following two tables list the updated and deleted configurable parameters from 5B.07 to 6A.04 for DMS. The registry patch process will be used to update the newly-created 6A.04 registry tree for new, updated, or deleted DMS parameters.

A. Updated Configuration Parameters

The following are existing configuration parameters that will be updated during the mkcfg or registry patch process.

Table 4-5 – Updated DMS Configuration Parameters

Parameter	Recommended Value
-----------	-------------------

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
EcDmVOToEcsGateway:	
DefaultAttributesList	SizeMBECSDDataGranule SP_AM_PATH_NO SP_AM_MISR_StartBlock SP_AM_MISR_EndBlock ASTERMapProjection GeometricDBVersion RadiometricDBVersion DAR_ID QACritAlersCnt AQNonCritAlertsCnt SceneCloudCoverage Solar_Azimuth_Angle Solar_Elevation_Angle SWIR_ObservationMode TIR_ObservationMode VNIR1_ObservationMode VNIR2_ObservationMode VNIRPointingAngle MinSolarZenithAngle LowConfidentClearPct CloudCoverFractionPct_VIS TileID QAPERCENTNOTPRODUCEDOTHER PERCENTLAND AscendingDescendingFlag VerParm_aer_model1 QAPERCENTGOODQUALITY QAPERCENTNOTPRODUCEDCLOUD QA_LL_QUAD_CCA QA_LR_QUAD_CCA QA_UL_QUAD_CCA QA_UR_QUAD_CCA QA_SCENE_CCA BAND1_GAIN BAND2_GAIN BAND3_GAINBAND4_GAIN BAND5_GAIN BAND6_GAIN_F1

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
	BAND6_GAIN_F2 BAND7_GAIN
	BAND8_GAIN QA_BAND1_PRESENT
	QA_BAND2_PRESENT
	QA_BAND3_PRESENT
	QA_BAND4_PRESENT
	QA_BAND5_PRESENT
	QA_BAND6_PRESENT_F1
	QA_BAND6_PRESENT_F2
	QA_BAND7_PRESENT
	QA_BAND8_PRESENT
	QA_SCENE_QUALITY
	SUN_AZIMUTH_ANGLE
	QA_FULL_OR_PARTIAL_SCENE
	LocalGranuleID AutomaticQualityFlag
	OperationalQualityFlag
	QAPercentMissingData
	QAPercentInterpolated
	QAPercentoutofBoundsData
	QAPercentCloudCover PGEVersion
	OperationMode AccessConstrains
	ProcessingCenter
	SUN_ELEVATION_ANGLE
	ScienceQualityFlag
	SP_STARTING_PATH
	SP_STARTING_ROW SP_ENDING_RO

B. Deleted Configuration Parameters

The following are existing configuration parameters that will be deleted by the mkcfg or registry patch process.

Table 4-6 – Deleted DMS Configuration Parameters

Parameter	Recommended Value
-----------	-------------------

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
EcDmVOToEcsGateway:	
DistributionFile	N/A
<i>Deleted Tags (all parameters deleted)</i>	
EcDmLimServer	
EcDmEcsToV0Gateway	

C. Run mkcfg and mkcdsentry

N/A

D. Populate Registry

N/A

E. Run Registry Patch

Apply the registry patch using ECS Assist from a DMS Sun platform (such as xxinsxx). Note that the registry patch can only be applied from a Sun platform and that it only needs to be applied once (i.e., if a subsystem/component is installed on multiple hosts it does not need to be applied on each host). To apply the registry patch, follow these procedures:

- ___ a) From the ECS Assist Subsystem Manager, select the appropriate Mode, Subsystem, and Component from the main window.
- ___ b) Select "Registry Data Patch" from the "Tools" menu. An "Apply Registry Data Patch" window will appear.
- ___ c) In the "Apply Registry Data Patch" window, enter the name of the SQL server in the "Registry Database Server:" box.
- ___ d) Enter the registry database DBO ID and password, respectively, in the next two boxes.
- ___ e) In the next ("Registry DB Name:") box, be sure to enter the name of the registry database (**EcCsRegistry[_<mode>]**) and press the **<ENTER>** key. This will cause ECS Assist to connect to the registry database and populate the drop-down menu associated with the next field ("Tree to patch:").
- ___ f) Use the drop-down menu to select the appropriate registry tree that is being patched (if you don't know which tree to select, bring up the registry GUI and verify which tree is mapped to the mode that you are updating).
- ___ g) Finally, click on the "Select Patch File" button to bring up the "File Selection Dialog" window.
- ___ h) Navigate through this window to find the .rgypatch file
- ___ i) Note: If your installation was successful, it should appear as /usr/ecs/CUSTOM/.installed/DMS/.rgypatch.
- ___ j) Highlight the .rgypatch file in the window and select **<OK>**.
- ___ k) Verify that the appropriate information is indicated in the "Patch File:" box in the "Apply Registry Data Patch" window and select **<OK>**.

Setup, Staging, Mode Preparation (continued)

At this point, the registry patch will be applied. Monitor the output via ECS Assist for any warning or error messages as the patch is run.

4.4 DPS Configuration

The DPS mkcfg process must be executed to modify the existing configuration parameters and to create several required files. Once mkcfg is run, any .CFG files that are created can still be used to populate the registry database to ensure that the values contained in the .CFG files and the values contained in the registry database are synchronized. The following two tables list the new and updated configurable parameters from 5B.07 to 6A.04 for DPS.

A. New Configuration Parameters

The following are new configuration parameters that will be loaded during the mkcfg or registry patch process.

Table 4-7 – New DPS Configuration Parameters

Parameter	Recommended Value
EcDpPrEM:	
DpPr_STAGE_WAIT_TIME	30

B. Updated Configuration Parameters

The following are existing configuration parameters that will be updated by the mkcfg or registry patch process.

Table 4-8 – Updated DPS Configuration Parameters

Parameter	Recommended Value
EcDpPrDeletionClient:	
ProgramID	9000001

Setup, Staging, Mode Preparation (continued)

C. Run mkcfg and mkcdsentry

From ECS Assist Subsystem Manager, run mkcfg for DPS/EcDpSc (installed on xxspgxx) and EcDpPr (installed on xxspsex). Note that mkcfg can be run at the component level.

D. Populate Registry

- ___ a) The population tool can be run once on each machine on which .CFG files are being created **or** once for the entire mode. To run the tool on each machine, follow the steps listed below, supplying the HostName of the DPS platform on which the population tool is being executed (xxspgxx or xxspsex) when running the population tool from the command line as identified below. To run the tool once for the entire mode, perform the verification steps listed above for all platforms on which mkcfg is to be run (for all subsystems/components specified in sections 4.1-4.10) and execute the population tool using the 'ALL' option for HostName.
- ___ b)
- ___ c) To run the tool do the following (note: steps preceded by "***" only need to be followed if populating the registry for the entire mode):
- 1) ****Logon** to any SUN in the .hostmap.
 - 2) ****Enter "ssa"** (without the quotes) at the command line and input the appropriate secure shell password when prompted.
 - 3) The command to run the tool is: `/tools/common/ea/EcCoPopulateRegistry MODE {HostName|ALL} {ConfigFileName|ALL} DbServerName DbUserName DbPassword DbName AttributeTreeName`. For Transition the following parameters are used:
 - MODE - the mode that you are working in.
 - HostName – the name of the DPS platform (xxspgxx or xxspsex) **or** ALL
 - ConfigFileName – ALL – Note: Use the ALL option to load all configuration files under `/usr/ecs/MODE/CUSTOM/cfg`. You can also load a single configuration file by giving its full path, i.e. `/usr/ecs/OPS/CUSTOM/cfg/EcSbSubServer.CFG`. NOTE: The `EcDmGwPackage.CFG` file should not be loaded into the Registry. This file needs to be temporarily renamed while loading the files on the host where it exists. You can determine on which host this file resides by searching the .sitemap for `.EcDmINTFCSVR.pkg` for your site.
 - DbServerName - SQL server name where Registry Database resides (see database build section).
 - DbUserName - database dbo name.
 - DbPassword – password for DbUserName.
 - DbName – `EcCsRegistry_<mode>`. For OPS, use `EcCsRegistry`.
 - AttributeTreeName – the form is `<mode>_<release>`. For example, `OPS_6A.04`.
 - 4) The Population Tool will report the success or failure status back to the screen for each configuration file.
****** When populating the registry for the entire mode, the output will be saved as `/home/cm<MODE>/Saved_Parms/<MODE>/logs/EcCoPopulateRegistryDebug.log` instead of being displayed on the screen. Once the population is complete (it should take several minutes to populate the entire mode), review this log to verify that the registry database was populated correctly.
 - 5) When all files have been loaded, the CFG files on each host need to be renamed to `XXXX.CFG.rgy`, from the command line. The following commands can be used:
 - For one file: `'mv file file.rgy'`
 - For multiple files (in c shell):

```
foreach file (*.CFG)␣
mv $file $file.rgy␣
end
```

Important Note: The QA Metadata Update Tool .CFG file (**EcDsCIQaMetadataUpdate.CFG**) must **not** be renamed. The QA Metadata Update Tool cannot use the Registry and therefore will not run unless this file exists. In addition, it is

Setup, Staging, Mode Preparation (continued)

recommended that the **EcDpPrEM.CFG** files not be renamed in order to prevent the excessive network traffic that is generated each time the EcDpPrEM executable is started.

E. Run Registry Patch

N/A

4.5 DSS Configuration

The following three tables list the new, updated, and deleted configurable parameters from 5B.07 to 6A.04 for DSS.

A. New Configuration Parameters

The following are new configuration parameters that will be loaded during the mkcfg or registry patch process.

Table 4-9 – New DSS Configuration Parameters

Parameter	Recommended Value
DSS/SDSRV	
EcDsScienceDataServer:	
SDSRV_LOC_MEM_BUF_SIZE	4096
SDSRV_ISOLATION0_LOCATIONS	None
SDSRV_MD_USE_BATCH	1
SDSRV_MD_BATCH_SIZE	10
EcDsGranuleDelete:	
Site	Defaulted to the current Site
DSServerUR	[RBD:DSSDSRV]
EXCLUDED_GRANULES	L70R L70RF1 L70RF2 L70RWRS L70RWRS1 L70RWRS2 L7IGS L7IGSWRS

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
AppLogSize	100000
AppLogLevel	0
DebugLevel	0
MaxGeiodFileLines	500
MaxCollectorSize	500
DSS/STMGT	
EcDsStStagingDiskServer:	
DBLoginName	EcDsStStagingDiskServer
EcDsStPullMonitorServer:	
HWCI	PULL
DBLoginName	EcDsStCacheManagerServer
EcDsStD3Server:	
DBLoginName	EcDsStD3Server
HWCI	
EcDsStmgtGui:	
DBLoginName	EcDsStmgtGui
Site	Defaulted to the current Site
EcDsStStagingDiskServer:	
DBLoginName	EcDsStStagingDiskServer
EcDsStRequestMangerServer:	
PrincipalName	EcDsStRequestManagerServer
HWCI	PRI

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
Release	B
Site	Defaulted to the current Site
DebugLevel	0
AppLogLevel	0
AppLogSize	3000000
ListenThreads	200
AppStrtNum	12345
DBServer	Defaulted to the current Server
DBLoginName	EcDsStRequestManagerServer
DBName	stmgtdb1
DBModeOverride	
DatabaseNameList	
ServerNameList	
ServerTypeList	SYBASE
DebugLogNameList	
EcDsStCacheManagerServer:	
Release	B
Site	Defaulted to the current Site
HWCI	
DebugLevel	0
AppLogLevel	0
AppLogSize	3000000

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
DBServer	Defaulted to the current Server
DBLoginName	EcDsStCacheManagerServer
DBName	stmgtdb1
DbModeOverride	
EcDsStFtpServer:	
Release	B
Site	Defaulted to the current Site
HWCI	
DebugLevel	0
AppLogLevel	0
AppLogSize	3000000
DBServer	Defaulted to the current Server
DBLoginName	EcDsStFtpServer
DBName	stmgtdb1
DbModeOverride	
EcDsStArchiveServer:	
DBLoginName	EsDsStArchiveServer

B. Updated Configuration Parameters

The following are existing configuration parameters that will be updated during the mkcfg or registry patch process.

Setup, Staging, Mode Preparation (continued)

Table 4-10 – Updated DSS Configuration Parameters

Parameter	Recommended Value
DSS/SDSRV	
EcDsScienceDataServer:	
SDSRV_HEAVY_RE QUEST_TYPE	L70R L70RWRS
NbrofFTPThr	0
DSSrEnv7	SDSRV_AUTO_INSPECT_SWITCH SDSRV_AUTO_INSPECT_LIST SDSRV_ISOLATION0_LOCATIONS SDSRV_MD_BATCH_SIZE SDSRV_MD_USE_BATCH SDSRV_LOC_MEM_BUF_SIZE SDSRV_MAX_GRANULES_PER_ACQUIR E
SDSRV_AUTO_INSP ECT_LIST	BeginningDateTime EndingDateTime productionHistoryId browseGranules CollectionDescriptionClass ECSDDataGranule SpatialDomainContainer AdditionalAttributes
SDSRV_STAGINGDI SK_TRY_COUNT	3
SDSRV_ARCHIVE_ TRY_COUNT	3
SDSRV_DDIST_TRY _COUNT	3
SDSRV_SUBSCRIPT _SRVR_TRY_COUN T	3
SDSRV_RETRY_SL	30

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
EEP_TIME	
Site	Defaulted to current Site
SDSRV_CATALOG_CONNECT_INSTRUCTIONS	SybaseAndSQS
EcDsCIMuQaMetadataUpdate:	
Site	Defaulted to current Site
EcDsHdfEosServer:	
Site	Defaulted to current Site
EcDsScienceDataServerClient:	
Site	Defaulted to current Site
EcDsSdSrvGui:	
Site	Defaulted to current Site
DSS/STMGT	
EcDsStArchiveServer:	
Site	Defaulted to the current Site
EcDsStPullMonitorServer:	
Site	Defaulted to the current Site
EcDsStD3Server:	
Site	Defaulted to the current Site
EcDsStagingDiskServer:	
Site	Defaulted to the current Site
EcDsStRequestManagerServer:	

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
Site	Defaulted to the current Site
DBServer	Defaulted to the current Server
EcDsStCacheManagerServer:	
Site	Defaulted to the current Site
DBServer	Defaulted to the current Server
EcDsStFtpServer:	
Site	Defaulted to the current Site
DBServer	Defaulted to the current Server

C. Deleted Configuration Parameters

The following are existing configuration parameters that will be deleted by the mkcfg or registry patch process.

Table 4-11 – Deleted DSS Configuration Parameters

Parameter	Recommended Value
DSS/SDSRV	
EcDsScienceDataServer:	
SDSRV_DUAL_RECTANGLE_IN SERT	N/A
DSS/STMGT	
<i>Deleted Tags (all parameters deleted)</i>	
EcDsStStagingMonitorServer	
EcDsStFtpDisServer	
EcDsStIngestFtpServer	

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
EcDsStCDROMServer	
EcDsStDLTServer	
EcDsStPrintServer	
SyncStackers	
EcDsStArchiveServer:	
PrincipalName	N/A
DBLibrary	N/A
DBHandleList	N/A
AppStrtNum	N/A
ServerNameList	N/A
ServerTypeList	N/A
SendLogFileName	N/A
RpcClientID	N/A
CHECKSUMSTATUS	N/A
EcDsStPullMonitorServer:	
PrincipalName	N/A
DBLibrary	N/A
DBHandleList	N/A
AppStrtNum	N/A
ServerNameList	N/A
ServerTypeList	N/A
SendLogFileName	N/A

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
RpcClientID	N/A
EcDsStD3Server:	
PrincipalName	N/A
DBLibrary	N/A
DBHandleList	N/A
AppStrtNum	N/A
ServerNameList	N/A
ServerTypeList	N/A
SendLogFileName	N/A
RpcClientID	N/A
EcDsStmgtGui:	
site	N/A (note: not capitalized properly)
DBHandleList	N/A
DBLibrary	N/A
AppStrtNum	N/A
EcDsStStagingDiskServer:	
PrincipalName	N/A
DBLibrary	N/A
DBHandleList	N/A
AppStrtNum	N/A
ServerNameList	N/A

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
ServerTypeList	N/A
SendLogFileName	N/A
RpcClientID	N/A

D. DSS Configuration Procedures

The mkcfg process will be used to create .CFG and populate the newly-created 6A.04 registry tree. In addition, the DSS mkcfg process also creates several other required files.

A. Run mkcfg and mkcdsentry

From ECS Assist Subsystem Manager, run mkcfg and keytabs (unless specified otherwise) for the following:

- DSS/EcDsSr (installed on xxacsxx for Granule Deletion) -- Note that although mkcfg is only required for Granule Deletion, the mkcfg must be performed at the component -- EcDsSr -- level and will therefore create .CFG files for other servers as well. Also note that keytabs should not be created for this component as Granule Deletion does not require a keytab file.)
- DSS/EcDsSt (installed on all STMGT platforms – xxacgxx, xxdrgrxx, xxicgxx, xxwkgxx, xxdisxx) – Note: Run mkcfg and keytabs for all STMGT components on all platforms -- not just "new" STMGT servers

Note that mkcfg can be run at the component level.

B. Populate Registry

___ a) The population tool can be run once on each machine on which .CFG files are being created **or** once for the entire mode. To run the tool on each machine, follow the steps listed below, supplying the HostName of the DSS platform on which the population tool is being executed (xxacsxx, xxacgxx, xxdrgrxx, xxwkgxx, or xxdisxx) when running the population tool from the command line as identified below. To run the tool once for the entire mode, perform the verification steps listed above for all platforms on which mkcfg is to be run (for all subsystems/components specified in sections 4.1-4.10) and execute the population tool using the 'ALL' option for HostName.

___ b)

___ c) To run the tool do the following (note: steps preceded by "***" only need to be followed if populating the registry for the entire mode):

- 1) **Logon to any SUN in the .hostmap.
- 2) **Enter "ssa" (without the quotes) at the command line and input the appropriate secure shell password when prompted.
- 3) The command to run the tool is: /tools/common/ea/EcCoPopulateRegistry MODE {HostName|ALL} {ConfigFileName|ALL} DbServerName DbUserName DbPassword DbName AttributeTreeName. For Transition the following parameters are used:
 - MODE - the mode that you are working in.
 - HostName – the name of the DSS platform (xxacsxx, xxacgxx, xxdrgrxx, xxwkgxx, or xxdisxx) **or** ALL
 - ConfigFileName – ALL – Note: Use the ALL option to load all configuration files under /usr/ecs/MODE/CUSTOM/cfg. You can also load a single configuration file by giving its full path, i.e. /usr/ecs/OPS/CUSTOM/cfg/EcSbSubServer.CFG. **** NOTE:** The EcDmGwPackage.CFG file should not be loaded into the Registry. This file needs to be temporarily renamed while loading the files on the host where it exists. You can determine on which host this file resides by searching the .sitemap for .EcDmINTFCSVR.pkg for your site.
 - DbServerName - SQL server name where Registry Database resides (see database build section).

Setup, Staging, Mode Preparation (continued)

- DbUserName - database dbo name.
 - DbPassword – password for DbUserName.
 - DbName – EcCsRegistry_<mode>. For OPS, use EcCsRegistry.
 - AttributeTreeName – the form is <mode>_<release>. For example, OPS_6A.04.
- 4) The Population Tool will report the success or failure status back to the screen for each configuration file.
** When populating the registry for the entire mode, the output will be saved as /home/cm<MODE>/Saved_Parms/<MODE>/logs/EcCoPopulateRegistryDebug.log instead of being displayed on the screen. Once the population is complete (it should take several minutes to populate the entire mode), review this log to verify that the registry database was populated correctly.
- 5) When all files have been loaded, the CFG files on each host need to be renamed to XXXX.CFG.rgy, from the command line. The following commands can be used:
- For one file: 'mv file file.rgy'
 - For multiple files (in c shell):

```
foreach file (*.CFG)␣
mv $file $file.rgy␣
end
```

Important Note: The QA Metadata Update Tool .CFG file (**EcDsCIQaMetadataUpdate.CFG**) must **not** be renamed. The QA Metadata Update Tool cannot use the Registry and therefore will not run unless this file exists. In addition, it is recommended that the **EcDpPrEM.CFG** files not be renamed in order to prevent the excessive network traffic that is generated each time the EcDpPrEM executable is started.

C. Run Registry Patch

The DSS registry patch does not need to be applied. All updated registry parameters will be applied by running mkcfg and populating the registry.

E. Additional DSS Registry Configuration

A. Add Media Options

Media options are added to the Registry via a .rgypatch that is saved to the distribution .installed directory as .rgypatch.MediaOptions. Because the script that runs the registry patch expects the patch to be named ".rgypatch", some manipulation of file names will be required before running the patch:

- ___ a) Change the .rgypatch file names on the distribution server platform:

```
cd /usr/ecs/<MODE>/CUSTOM/.installed/DSS/distribution
mv .rgypatch .rgypatch.ddist.orig
cp .rgypatch.MediaOptions .rgypatch
```
- ___ b) Apply the registry patch by bringing up the ECS Assist Subsystem Manager and following the steps specified in the Registry patches (.rgypatch) part of this section above. Perform the steps as if applying a normal DSS/distribution .rgypatch.

B. Modify DDIST HWCI value

Setup, Staging, Mode Preparation (continued)

The HWCI parameter value for EcDsDistributionServer includes a trailing underscore that must be deleted in order for the Distribution Server to run in 6A.04.

- ___ a) Start the Registry GUI.
- ___ b) If the mode being updated does not appear next to the words "Mapped to Mode:" in the lower left hand corner of the GUI, select the name of the 6A04 registry tree from the drop-down menu under "Attribute Tree Name".
- ___ c) Expand the registry tree for the host on which the Distribution Server is installed.
- ___ d) Click on the name EcDsDistributionServer.
- ___ e) When the attribute listing window, scroll down until "HardwareCI" is displayed on the left side of the window. Click on the word "HardwareCI".
- ___ f) On the "Configured Values" side of the Attribute Information window that will appear, click on the "Update" button.
- ___ g) Delete the "_" from the value that appears in the Configuration value update window. Click on "Ok".
- ___ h) Click on "Ok" in the Attribute Information window.
- ___ i) Exit the Registry GUI.
- ___ j)

4.6 INS Configuration

The following two tables list the new and deleted configurable parameters from 5B.07 to 6A.04 for INS.

A. New Configuration Parameters

The following are new configuration parameters that will be loaded during the mkcfg or registry patch process.

Table 4-12 – New INGEST Configuration Parameters

Parameter	Recommended Value
EcInGUI:	
STMGT_NOTIFICATION_FLAG	ON
EcInReqMgr:	
STMGT_NOTIFICATION_FLAG	ON
EcInGran:	
STMGT_NOTIFICATION_FLAG	ON

B. Deleted Configuration Parameters

Setup, Staging, Mode Preparation (continued)

The following are existing configuration parameters that will be deleted by the mkcfg or registry patch process.

Table 4-13 – Deleted INGEST Configuration Parameters

Parameter	Recommended Value
INGEST	
EcInGUI:	
IngestGUIHostName	N/A

C. INS Configuration Procedures

The registry patch process will be used to update the newly-created 6A.04 registry tree for new, updated, or deleted INGEST parameters.

A. Run mkcfg and mkcdsentry

N/A

B. Populate Registry

N/A

C. Run Registry Patch

Apply the registry patch using ECS Assist from an INS Sun platform (such as xxacsxx, where the Ingest GUI is installed). Note that the registry patch can only be applied from a Sun platform and that it only needs to be applied once (i.e., if a subsystem/component is installed on multiple hosts it does not need to be applied on each host). To apply the registry patch, follow these procedures:

- ___ a) From the ECS Assist Subsystem Manager, select the appropriate Mode, Subsystem, and Component from the main window.
- ___ b) Select "Registry Data Patch" from the "Tools" menu. An "Apply Registry Data Patch" window will appear.
- ___ c) In the "Apply Registry Data Patch" window, enter the name of the SQL server in the "Registry Database Server:" box.
- ___ d) Enter the registry database DBO ID and password, respectively, in the next two boxes.
- ___ e) In the next ("Registry DB Name:") box, be sure to enter the name of the registry database (**EcCsRegistry[_<mode>]**) and press the **<ENTER>** key. This will cause ECS Assist to connect to the registry database and populate the drop-down menu associated with the next field ("Tree to patch:").
- ___ f) Use the drop-down menu to select the appropriate registry tree that is being patched (if you don't know which tree to select, bring up the registry GUI and verify which tree is mapped to the mode that you are updating).
- ___ g) Finally, click on the "Select Patch File" button to bring up the "File Selection Dialog" window.
- ___ h) Navigate through this window to find the .rgypatch file
- ___ i) Note: If your installation was successful, it should appear as /usr/ecs/CUSTOM/.installed/INS/.rgypatch.
- ___ j) Highlight the .rgypatch file in the window and select **<OK>**.
- ___ k) Verify that the appropriate information is indicated in the "Patch File:" box in the "Apply Registry Data Patch" window and select **<OK>**.

Setup, Staging, Mode Preparation (continued)

At this point, the registry patch will be applied. Monitor the output via ECS Assist for any warning or error messages as the patch is run.

___ a)

4.7 IOS Configuration

A. IOS Configuration Procedures

There are no changes to IOS configuration parameters from 5B.07 to 6A.04.

A. Run mkcfg and mkcdsentry

N/A

B. Populate Registry

N/A

C. Run Registry Patch

N/A

___ a)

4.8 MSS Configuration

The following table lists the new configurable parameters from 5B.07 to 6A.04 for MSS.

A. New Configuration Parameters

The following are new configuration parameters that will be loaded during the mkcfg or registry patch process.

Table 4-14 – New MSS Configuration Parameters

Parameter	Recommended Value
EcMsAcRegUserSrvr:	
EmailPreamble_newAcct	/usr/ecs/<MODE>/CUSTOM/dat a/MSS/EcMsAcNewAcct.txt
EmailPreamble_accPrivi	/usr/ecs/<MODE>/CUSTOM/dat a/MSS/EcMsAcUpdatePrivs.txt

Setup, Staging, Mode Preparation (continued)

Parameter	Recommended Value
EmailPreamble_resetPwd	/usr/ecs/<MODE>/CUSTOM/data/MSS/EcMsAcPasswdReset.txt

B. MSS Configuration Procedures

The registry patch process will be used to update the newly-created 6A.04 registry tree for new, updated, or deleted MSS parameters.

A. Run mkcfg and mkcdsentry

N/A

B. Populate Registry

N/A

C. Run Registry Patch

Apply the registry patch using ECS Assist from an MSS sun platform (xxmssxx). Note that the registry patch can only be applied from a Sun platform and that it only needs to be applied once (i.e., if a subsystem/component is installed on multiple hosts it does not need to be applied on each host). To apply the registry patch, follow these procedures:

- ___ a) From the ECS Assist Subsystem Manager, select the appropriate Mode, Subsystem, and Component from the main window.
- ___ b) Select "Registry Data Patch" from the "Tools" menu. An "Apply Registry Data Patch" window will appear.
- ___ c) In the "Apply Registry Data Patch" window, enter the name of the SQL server in the "Registry Database Server:" box.
- ___ d) Enter the registry database DBO ID and password, respectively, in the next two boxes.
- ___ e) In the next ("Registry DB Name:") box, be sure to enter the name of the registry database (**EcCsRegistry**[<mode>]) and press the <ENTER> key. This will cause ECS Assist to connect to the registry database and populate the drop-down menu associated with the next field ("Tree to patch:").
- ___ f) Use the drop-down menu to select the appropriate registry tree that is being patched (if you don't know which tree to select, bring up the registry GUI and verify which tree is mapped to the mode that you are updating).
- ___ g) Finally, click on the "Select Patch File" button to bring up the "File Selection Dialog" window.
- ___ h) Navigate through this window to find the .rgypatch file
- ___ i) Note: If your installation was successful, it should appear as /usr/ecs/CUSTOM/.installed/MSS/MCI/Ac/.rgypatch.
- ___ j) Highlight the .rgypatch file in the window and select <OK>.
- ___ k) Verify that the appropriate information is indicated in the "Patch File:" box in the "Apply Registry Data Patch" window and select <OK>.

At this point, the registry patch will be applied. Monitor the output via ECS Assist for any warning or error messages as the patch is run.

___ a)

Setup, Staging, Mode Preparation (continued)

4.9 PLS Configuration

A. PLS Configuration Procedures

There are no changes to PLS configuration parameters from 5B.07 to 6A.04.

A. Run mkcfg and mkcdsentry

N/A

B. Populate Registry

N/A

C. Run Registry Patch

N/A

— a)

4.10 Toolkit Configuration

A. Toolkit Configuration Procedures

The mkcfg process will be used to create several required files. No actual .CFG files are created by this process.

A. Run mkcfg and mkcdsentry

From ECS Assist Subsystem Manager, run mkcfg for Toolkit (installed on xxspgxx).

B. Populate Registry

N/A

C. Run Registry Patch

N/A

Subsystem Database Builds/Patches/Transition Scripts (continued)

Database Builds

A. STMGT Database Build

The 6A STMGT database will be built and populated with data from the 5B STMGT database. Follow the procedures listed below to build the new database. Unless specified otherwise, the scripts to be run will be located in the /usr/ecs/<MODE>/CUSTOM/dbms/DSS directory.

___ a) Execute the script to create db logins for new STMGT servers:

➤ **EcDsStDb6ALogins** <MODE> <dbo_user_name> <dbo_user_password> <server_name>
<DBNAME>

___ b) Run the 5B STMGT database verification script on the existing database (script is located in the /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin directory):

➤ **EcStDbVerify5B** <MODE> <USERNAME> <SERVER> <DBNAME>
The output from this script will be located in /usr/ecs/<MODE>/CUSTOM/logs and will be named EcStDbVerify5B.<DBSERVER>.<DBNAME>.<DATETIME>

___ c) Bulk copy data out of the existing database:

➤ **EcDsStBulkCopyOut5B** <MODE> <USERNAME> <PASSWORD> <SERVER> <DBNAME>
The output from this script will be saved as /usr/ecs/<MODE>/CUSTOM/logs/EcDsStBulkCopy.log.

___ d) Build the 6A STMGT database using ECS Assistant:

___ 1) Using the EcCoAssist SubSystem Manager, execute the **DbBuild** function to **build** the STMGT database.

___ 2) Enter the appropriate parameters in the Database Script Parameters dialogue box:

Table 5-1 – STMGT Database Script Parameters

PARAMETER	VALUE
DBO ID	<DBO ID>
Password	<DBO Password>
SQL Server Name	Xxacgxx_srvr
Database Name	stmgtdb1_<MODE>

___ a)

___ b) Use stmgtdb1 as the name of the database in OPS mode and stmgtdb1_<MODE> as the database name in TS1 and TS2 mode.

Subsystem Database Builds/Patches/Transition Scripts (continued)

- ___ 3) Execute the EcDbDDMUpdateVersionTable.sql script file that is under the directory
 - ___ a) “/usr/ecs/{MODE}/CUSTOM/dbms/COM/DBAdmin.” The parameters to be passed are:
 - ___ b) MODE USERNAME DSQUERY DBNAME. You will be prompted for the PASSWORD.
 - ___ c)
- ___ 4) Review the file EcMsDbBuild.log in /usr/ecs/<MODE>/CUSTOM/logs for any error or warning messages.
- ___ 5) Have the DBA verify the database changes through the DbDesc script for this subsystem.
- ___ 6) Verify that the database version identifiers are correct:
 - **isql -S <server_name> -U <db_user_name> -P <db_user_password>**
 - **use stmgtdb1<MODE>**
 - **go**
 - **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
 - **go**

Note that the value of EcDbComments is 65.65.
- ___ e) Run a database transition upgrade script:
 - **EcDsStDbSybaseUpgrade.ksh <MODE> <USERNAME> <PASSWORD> <SERVER> <DBNAME>**
- ___ f) Run a script to create thirteen 5B tables required for transition into the 6A database:
 - **EcDsStCreate5BTranTables <USERNAME> <PASSWORD> <SERVER> <DBNAME>**
- ___ g) Bulk copy data in the 5B tables into the 6A database:
 - **EcDsStBulkCopyIn5B <MODE> <USERNAME> <PASSWORD> <SERVER> <DBNAME>**
The output from this script will be saved as /usr/ecs/<MODE>/CUSTOM/logs/EcDsStBulkCopy.log
- ___ h) Run the 5B to 6A Transition Script:
 - **EcDsStTransition5Bto6A <MODE> <USERNAME> <PASSWORD> <SERVER> <DBNAME>**
NOTE: You will need to have the secure shell passphrase and install login password ready to enter when prompted.
The output from this script will be saved as /usr/ecs/<MODE>/CUSTOM/logs/EcDsStTransition.log.
- ___ i) Run the 6A database verification script (script is located in the /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin directory):
 - **EcStDbVerify6A <MODE> <USERNAME> <SERVER> <DBNAME>**
The output from this script will be saved as
/usr/ecs/<MODE>/CUSTOM/logs/EcStDbVerify6A.<DBSERVER>.<DBNAME>.<DATETIME>
- ___ j) Check the differences between the 5B and 6A database verification script output logs:

Subsystem Database Builds/Patches/Transition Scripts (continued)

- **diff -w EcStDbVerify5B.<DBSERVER>.<DBNAME>.<DATETIME>
EcStDbVerify6A.<DBSERVER>.<DBNAME>.<DATETIME>**
Compare the output of this statement with the differences expected based on information in the **ECS Database Changes Drop 5B.07 to 6A.04** document.

___ k) Run a script to remove the nine 5B tables required for transition into the 6A database:

- **EcDsStDrop5BTranTables <USERNAME> <PASSWORD> <SERVER> <DBNAME>**

Database Patches

To execute database patches, perform the following steps (for all subsystems/components) and then perform the appropriate subsystem/component-specific procedures as specified below (NOTE: For Ingest, be sure to read the subsystem/component sections first as there is a workaround that must be performed manually prior to executing the db patch in step c. below):

___ a) Verify the current version of the database being patched.

- **isql -S <server_name> -U <db_user_name> -P <db_user_password>**
- **use <db_name>[_<MODE>]**
- **go**
- **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
- **go**

___ b) The values for the above parameters and the expected database versions (for both 5B.07 and 6A.04) are found in the table below (note that versions listed for 5B.07 reflect the actual 5B.07 turnover plus TEs that are identified as required in the 6A.04 PSR document):

Subsystem Database Builds/Patches/Transition Scripts (continued)

TABLE 5-2 – 6A.04 DATABASE INFORMATION

Subsystem/Component	Server_name	Db_user_name	Db_name	5B.07 Version	6A.04 Version
CSS/Registry	xxicgxx_srvr	<dbo id>	EcCsRegistry[_<MODE>]	5601	6101
CSS/Subscription Srvr.	xxinsxx_srvr	<dbo id>	SubServer[_<MODE>]	50	50
DMS	xxinsxx_srvr	<dbo id>	EcDmDictService[_<MODE>]	79/82	83/82
Ingest	xxicgxx_srvr	<dbo id>	Ingest[_<MODE>]	63	6110
IOS	xxinsxx_srvr	<dbo id>	IoAdAdvService[_<MODE>]	52	52
MSS	xxmssxx_srvr	<dbo id>	mss_acct_db[_<MODE>]	58	60
PDPS	xxplsxx_srvr	<dbo id>	pdps[_<MODE>]	5131	6015
SDSRV	xxacgxx_srvr	<dbo id>	EcDsScienceDataServer1[_<MODE>]	5879	6068
STMGT	xxacgxx_srvr	<dbo id>	stmgtdb1[_<MODE>]	30.30	70.70

- ___ a)
- ___ b) Compare the current database version against the 6A.04 version listed in the table. If the current version is less than the 6A.04 version, continue with the database patch (Note that only one of the DMS database versions, most likely 83, will be displayed using the above procedures. To ensure that the DMS database is at the proper 6A.04 version, you will need to verify that both versions listed in the table have been installed):
- ___ c) From the ECS Assist Subsystem Manager, select the appropriate Mode, Subsystem, and Component from the main window.
- ___ d) Select "DbPatch" from the "Database" menu. A "File Selection" window will appear.
- ___ e) In the "File Selection" window, select **.dbparms** and select **<Ok>**.
- ___ f) Follow the subsystem-specific installation instructions below to complete the database patch process.
- ___ g)

B. CSS Registry Database Patch

- ___ a) Run the database description script against the existing 5B Registry database:
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
 Note: The output from this script will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ b) Apply CSS/Registry-specific database patch parameters:
- ___ c)
 1. Enter the following parameters in the Configurable Database Parameters Dialogue Box:

Subsystem Database Builds/Patches/Transition Scripts (continued)

Table 5-3 – CSS/Registry Database Script Parameters

Parameter	Value	Parameter	Value
Patch	<6A.04 patch version>	Mode	<MODE> <i>(automatically entered)</i>
		DBO ID	<DBO ID>
		Password	<password>
		SQL Server Name	xxicgx_svr
		Database Name	EcCsRegistry<_MODE>

- ___ a)
 - 2. Click OK
 - 3. Review the file EcCsDbPatch.log in /usr/ecs/<MODE>/CUSTOM/logs for any error or warning messages.
- ___ c) Update the Database Versions table for the Current Release
 - ___ d) Execute the EcDbDDMUpdateVersionTable.sql script:
 - ___ e) /usr/ecs/{MODE}/CUSTOM/dbms/COM/DBAdmin/EcDbDDMUpdateVersionTable.sql <MODE> <USERNAME> <DSQUERY> <DBNAME>
 - ___ f) You will be prompted for the PASSWORD.
- ___ g) Verification
- ___ h) Run the following commands:
 - **isql -S <server_name> -U <dbo_user_name> -P <dbo_user_password>**
 - **use EcCsRegistry<_MODE>**
 - **go**
 - **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
 - **go**
- ___ i) Verify that the value of EcDbSchemaId is the same as the 6A.04 Version value listed in Table 3-1.
Run the database description script against the 6A Registry database:
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
- ___ j) Note: The output from this script will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ k) Run a diff to compare the outputs of this script run against the 5B database and the 6A database. Verify these differences with the expected differences listed in the Database Change document.

C. CSS Subscription Server Database Patch

No Subscription Server database update is required for 6A.04.

Subsystem Database Builds/Patches/Transition Scripts (continued)

D. DMS Database Patch

No DMS database update is required for 6A.04

E. Ingest Database Patch

- ___ a) The Ingest database patch requires a workaround prior to execution of the dbpatch.
 - ___ a) Edit EcDbDatabaseVersions table so that the EcDbSchemaVersionId is equal to the DbPatch version:
 - **isql -S <server_name> -U <db_user_name> -P <db_user_password>**
 - **use <db_name>[_<MODE>]**
 - **go**
 - **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
 - **go**
 - Note the database version from the value in the EcDbComments column (e.g., 5B63.63). If the value of EcDbSchemaId is not equal to the numerical portion of the EcDbComments column (e.g., 63 for the example value of 5B63.63),
 - **delete EcDbDatabaseVersions where EcDbCurrentVersionFlag="N"**
 - **go**
 - **update EcDbDatabaseVersion set EcDbSchemaVersionId = <patch number>**
Where <patch number> is the numerical portion of the EcDbComments column as described above.
 - **go**
- ___ b) Continue with the generic Database Patch instructions.
- ___ d) Run the database checksum, database description, and Ingest dbverify scripts against the existing 5B Ingest database:
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY> <DBNAME>
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcInDbVerify <MODE> <USERNAME> <DSQUERY> <DBNAME>
Note: The output from these scripts will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ e) Apply Ingest-specific database patch parameters:
- ___ f)
 1. Enter the following parameters in the Configurable Database Parameters Dialogue Box:

Table 5-4 – Ingest Database Script Parameters

Parameter	Value	Parameter	Value
-----------	-------	-----------	-------

Subsystem Database Builds/Patches/Transition Scripts (continued)

Parameter	Value	Parameter	Value
DAAC	<DAAC name>	Mode	<MODE> <i>(automatically entered)</i>
Patch	<6A.04 patch version>	DBO ID	<DBO ID>
		Password	<password>
		SQL Server Name	xxicgxx_svr
		Database Name	Ingest<_MODE>

- ___ a)
- ___ b) Where: <6A.04 patch version> = 6A.04 Version from Table 3-1.
- 2. Click OK
- 3. Review the file EcInDbPatch.log in /usr/ecs/<MODE>/CUSTOM/logs for any error or warning messages.
- ___ d) Update the Database Versions table for the Current Release
 - ___ e) Execute the EcDbDDMUpdateVersionTable.sql script:
 - ___ f) **/usr/ecs/{MODE}/CUSTOM/dbms/COM/DBAdmin/EcDbDDMUpdateVersionTable.sql <MODE> <USERNAME> <DSQUERY> <DBNAME>**
 - ___ g) You will be prompted for the PASSWORD.
- ___ h) Verification
- ___ i) Run the following commands:
 - **isql -S <server_name> -U <dbo_user_name> -P <dbo_user_password>**
 - **use Ingest<_MODE>**
 - **go**
 - **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
 - **go**
- ___ j) Verify that the value of EcDbSchemaId is the same as the 6A.04 Version value listed in Table 3-1.
- ___ k) Run the database checksum, database description, and Ingest dbverify scripts against the 6A Ingest database:
- ___ l) **/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY> <DBNAME>**
- ___ m) **/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>**
- ___ n) **/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcInDbVerify <MODE> <USERNAME> <DSQUERY> <DBNAME>**
- ___ o) Note: The output from these scripts will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ p) Run a diff to compare the outputs of these scripts run against the 5B database and the 6A database. Verify these differences with the expected differences listed in the Database Change document.

Subsystem Database Builds/Patches/Transition Scripts (continued)

F. IOS Database Patch

No IOS database update is required for 6A.04

G. MSS Database Patch

Note: If the SMC has already upgraded its MSS database to the 6A.04 baseline, you will need to follow the replication configuration procedures specified in section 6, "Other Pre-Startup Installation and Configuration Activities" in order to configure and enable Sybase replication. If the SMC has not yet upgraded its database to the 6A.04 baseline, replication will need to be disabled. In either case, be sure to coordinate all replication changes with the SMC.

- ___ a) Run the database checksum, database description, and MSS dbverify scripts against the existing 5B MSS database:
 /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY>
 <DBNAME>
 /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
 /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcMsDbVerify <MODE> <USERNAME> <DSQUERY> <DBNAME>
 Note: The output from these scripts will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ b) Apply MSS-specific database patch parameters:

___ c)

1. Enter the following parameters in the Configurable Database Parameters Dialogue Box:

Table 5-5 – MSS Database Script Parameters

Parameter	Value	Parameter	Value
iSite	<3-letter DAAC id>	Mode	<MODE> (automatically entered)
		Password	<password>
		SQL Server Name	xxmssxx_srvr
		Database Name	mss_acct_db<_MODE >

- ___ a)
 2. Click OK
 3. Review the file EcMsDbPatch.log in /usr/ecs/<MODE>/CUSTOM/logs for any error or warning messages.

- ___ c) Update the Database Versions table for the Current Release

- ___ d) Execute the EcDbDDMUpdateVersionTable.sql script:

Subsystem Database Builds/Patches/Transition Scripts (continued)

- ___ e) `/usr/ecs/{MODE}/CUSTOM/dbms/COM/DBAdmin <MODE> <USERNAME> <DSQUERY> <DBNAME>`
- ___ f) You will be prompted for the PASSWORD.
- ___ g) Verification
- ___ h) Run the following commands:
 - `isql -S <server_name> -U <dbo_user_name> -P <dbo_user_password>`
 - `use mss_acct_db<_MODE>`
 - `go`
 - `select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"`
 - `go`
- ___ i) Verify that the value of EcDbSchemaId is the same as the 6A.04 Version value listed in Table 3-1.
- ___ j) Run the database checksum, database description, and MSS dbverify scripts against the 6A MSS database:
 - `/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY>`
`<DBNAME>`
 - `/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>`
 - `/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcMsDbVerify <MODE> <USERNAME> <DSQUERY> <DBNAME>`
- ___ k) Note: The output from these scripts will be located in `/usr/ecs/<MODE>/CUSTOM/logs`.
- ___ l) Run a diff to compare the outputs of these scripts run against the 5B database and the 6A database. Verify these differences with the expected differences listed in the Database Change document.
- ___ m)

H. PDPS Database Patch

- ___ a) Run the database checksum and database description scripts against the existing 5B PDPS database:
 - `/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY>`
`<DBNAME>`
 - `/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>`
 Note: The output from these scripts will be located in `/usr/ecs/<MODE>/CUSTOM/logs`.
- ___ b) Apply PDPS-specific database patch parameters:
 - 1. Enter the following parameters in the Configurable Database Parameters Dialogue Box:
- ___ c)

Table 5-6 – PDPS Database Script Parameters

Parameter	Value	Parameter	Value
		Mode	<MODE> (automatically entered)
		DBO ID	<DBO ID>
		Password	<password>

Subsystem Database Builds/Patches/Transition Scripts (continued)

Parameter	Value	Parameter	Value
		SQL Server Name	xxplsxx_srvr
		Database Name	pdps<_MODE>

- ___ a)
 - 2. Click OK
 - 3. Review the file EcPIDbPatch.log in /usr/ecs/<MODE>/CUSTOM/logs for any error or warning messages.
- ___ c) Update the Database Versions table for the Current Release
 - ___ d) Execute the EcDbDDMUpdateVersionTable.sql script:
 - ___ e) /usr/ecs/{MODE}/CUSTOM/dbms/COM/DBAdmin <MODE> <USERNAME> <DSQUERY> <DBNAME>
 - ___ f) You will be prompted for the PASSWORD.
- ___ g) Verification
- ___ h) Run the following commands:
 - **isql -S <server_name> -U <dbo_user_name> -P <dbo_user_password>**
 - **use pdps<_MODE>**
 - **go**
 - **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
 - **go**
- ___ i) Verify that the value of EcDbSchemaId is the same as the 6A.04 Version value listed in Table 3-1.
- ___ j) Run the database checksum and database description scripts against the 6A PDPS database:
 - /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY> <DBNAME>
 - /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
- ___ k) Note: The output from these scripts will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ l) Run a diff to compare the outputs of these scripts run against the 5B database and the 6A database. Verify these differences with the expected differences listed in the Database Change document.
- ___ m)

I. Science Data Server Database Patch

- ___ a) Run the database checksum, database description, and SDSRV dbverify scripts against the existing 5B SDSRV database:
 - /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY> <DBNAME>
 - /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
 - /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDsDbVerify <MODE> <USERNAME> <DSQUERY> <DBNAME>
 Note: The output from these scripts will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ b) Apply SDSRV-specific database patch parameters:
 - 1. Enter the following parameters in the Configurable Database Parameters Dialogue Box:
- ___ c)

Subsystem Database Builds/Patches/Transition Scripts (continued)

Table 5-7 – SDSRV Database Script Parameters

Parameter	Value	Parameter	Value
SQSSERVER	<sqs server name>	Mode	<MODE> <i>(automatically entered)</i>
GROUPNAME	sdsrv	DBO ID	<DBO ID>
Patch	<patch number>	Password	<password>
Environment	DAAC	SQL Server Name	xxacgxx_svr
NOCONFIRMATION	1	Database Name	EcDsScienceDataServer1<_MODE>

- ___ a)
- ___ b) Where <patch number> is the 6A.04 Version value from Table 3-1 formatted as x.x.xx. For example, to upgrade to patch level 6056, enter “6.0.56”.
 2. Click OK
 3. Review the file EcDsSrDbPatch.log in /usr/ecs/<MODE>/CUSTOM/logs for any error or warning messages.
- ___ c) Update the Database Versions table for the Current Release
 - ___ d) Execute the EcDbDDMUpdateVersionTable.sql script:
 - ___ e) /usr/ecs/{<MODE>}/CUSTOM/dbms/COM/DBAdmin <MODE> <USERNAME> <DSQUERY> <DBNAME>
 - ___ f) You will be prompted for the PASSWORD.
- ___ g) Verification
- ___ h) Run the following commands:
 - **isql -S <server_name> -U <dbo_user_name> -P <dbo_user_password>**
 - **use EcDsScienceDataServer1<_MODE>**
 - **go**
 - **select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag="Y"**
 - **go**
- ___ i) Verify that the value of EcDbSchemaId is the same as the 6A.04 Version value listed in Table 3-1.
- ___ j) Run the database checksum, database description, and SDSRV dbverify scripts against the 6A SDSRV database:


```
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbChecksum <MODE> <USERNAME> <DSQUERY>
<DBNAME>
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDbDesc <MODE> <USERNAME> <DSQUERY> <DBNAME>
/usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/EcDsDbVerify <MODE> <USERNAME> <DSQUERY> <DBNAME>
```
- ___ k) Note: The output from these scripts will be located in /usr/ecs/<MODE>/CUSTOM/logs.
- ___ l) Run a diff to compare the outputs of these scripts run against the 5B database and the 6A database. Verify these differences with the expected differences listed in the Database Change document.
- ___ m)

Subsystem Database Builds/Patches/Transition Scripts (continued)

J. STMGT Database Patch

- ___ a) The STMGT database update for 6A.04 is handled via a database build as described in the Database Builds part of this section. No separate STMGT database patch will be required.

System Startup (continued)

CLS

A. Configure Netscape Enterprise Server

- ___ a) Determine whether the Netscape *obj.conf* files delivered are different from those been installed and configured for this <MODE>:

```
cd /usr/ecs/OPS/COTS/ns-home/https-<SERVER_NAME>_ODFRM_<MODE>/config
diff obj.conf /usr/ecs/<MODE>/CUSTOM/WWW/CLS/ODFRM/config/obj.conf
```

- ___ b) If the delivered *obj.conf* file contains new ECS- and mode-specific information, execute the following instructions (these steps must be performed as the UNIX superuser):

Move the ODFRM *obj.conf* file to the location needed by the Netscape Server:

```
cd /usr/ecs/<MODE>/CUSTOM/WWW/CLS/ODFRM/config
cp obj.conf /usr/ecs/OPS/COTS/ns-home/https-<SERVER_NAME>_ODFRM_<MODE>/config/obj.conf
```

where:

<MODE> is the current mode (OPS, TS1, TS2 or TS3)
<SERVER_NAME> is the host name of the primary CLS server

Follow the instructions specified in the System Startup section to restart the Netscape Enterprise Server.

CSS

A. E-Mail Parser Gateway User Profile

- ___ a) A user profile for the Email Parser Gateway must be entered into the MSS database before the Email Parser Gateway can be successfully started.

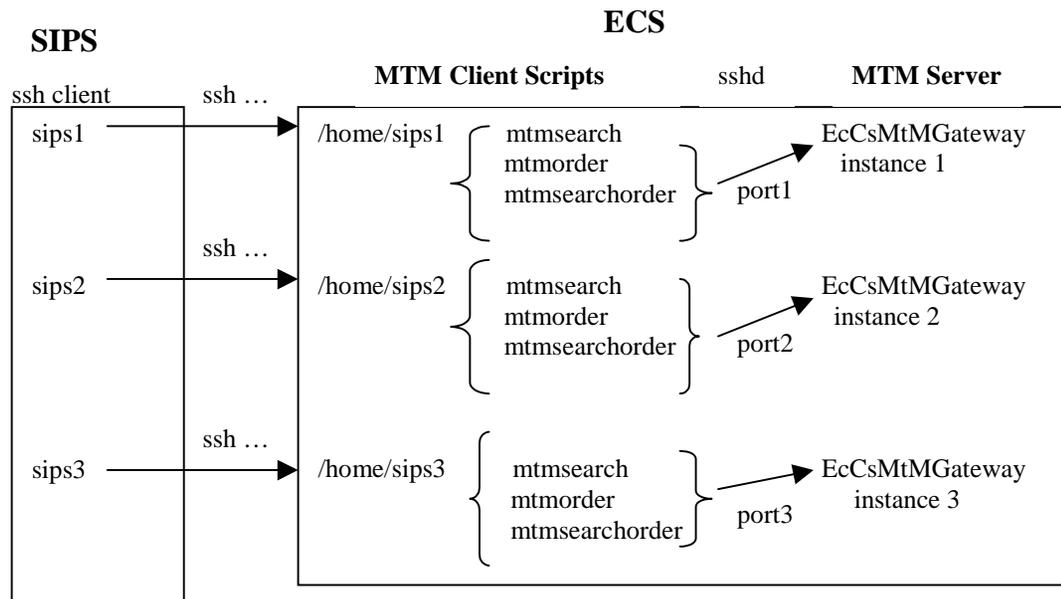
System Startup (continued)

B. Machine to Machine Gateway Configuration

Machine-to-Machine Gateway Overview

The Machine-to-Machine Gateway (MTMGW) provides an automated interface between SIPS and ECS to allow searches, orders, and integrated search and orders. Several diagrams are provided to identify potential MTMGW configurations.

The setup of MTMGW on both SIPS and ECS will look like the following:



sips1, sips2, and sips3 are unix accounts set up on both SIPS and ECS sides, which have ssh key set up on both side for those accounts.

/home/sips1, /home/sips2, /home/sips3 are home directories of sips1, sips2, sips3 on ECS side.

System Startup (continued)

EcCsMTMGateway instance 1,2, and 3 are instances of MTMGW Server listening on port1, port2, and port3 respectively.

The set of mmsearch, mtmorder, mtmsearchorder are MTM client scripts configured to connect to different or same instances of MTMGW server via port1, port2 and port3.

The communication between ECS and SIPS is via ssh tunnel. And the communication between MTM Clients and MTM Server is via sockets.

The MTM Client Scripts and MTM Servers must be on the same machine.

An example of an mtmsearch script is provided below:

```
#!/bin/sh
PATH=$PATH:/usr/bin

cliMsg=""
i=1
num=$#
while [ $i -le $num ]
do
    cliMsg=$cliMsg\"$i\"
    shift
    i=`expr $i + 1`
done

# Get the current running host name
hostName=`uname -n`
# MTMGW Server port number = 9999
```

System Startup (continued)

```
# MTMGW Server hostname = $hostName
```

```
# Client timeout = 60 minutes
```

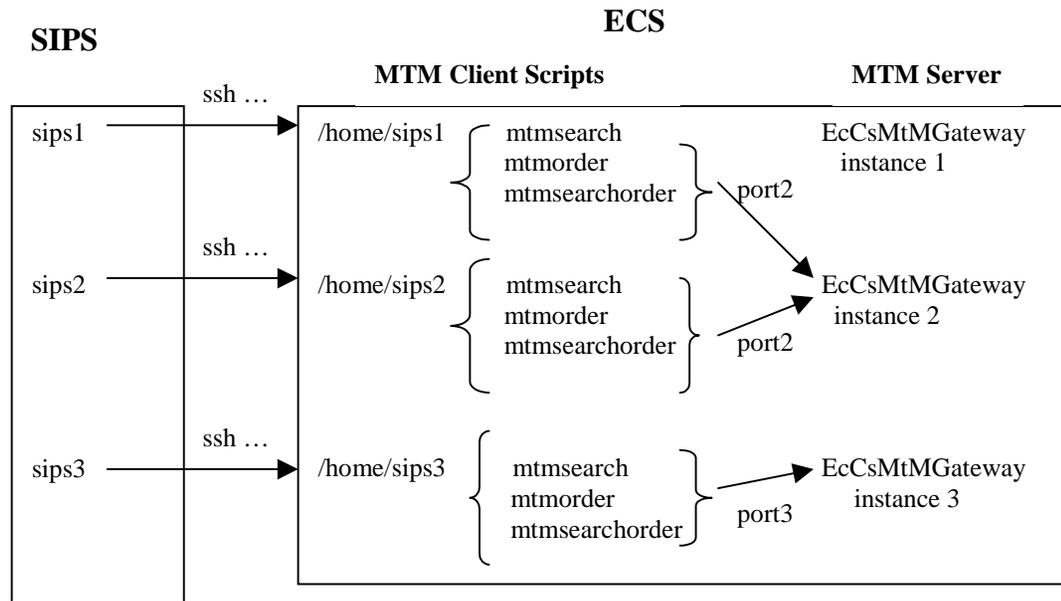
```
mtmClientScript 9999 $hostName 60 Search "$cliMsg"
```

In the above script, 9999 is the port on which the number one instance of MTMGW server is listening. A DAAC operator could easily change it to another port number on which another instance of MTMGW server is listening.

60 minutes is the default timeout for the connection between client and server. A DAAC operator could easily shorten or lengthen the timeout period.

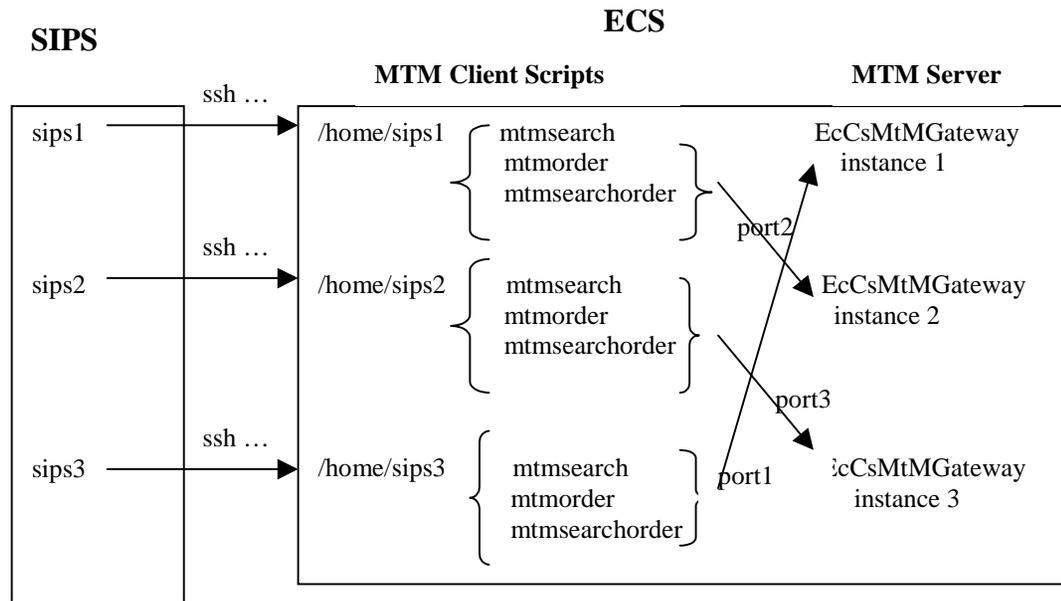
System Startup (continued)

Several alternative configurations result in different scenario. Below is one alternative:



System Startup (continued)

A second alternative is as follows:



MTMGW Installation guidelines

a. Set up COTS environment for SIPS and ECS sides

1. Set up a couple of SIPS accounts on both the SIPS side and the ECS side for each instance.

In the examples above there are 3 pairs of accounts: sips1, sips2, and sips3.

2. Set up ssh keys for the pair of sips1 accounts on the SIPS side and the ECS side.
 - Open 2 windows, one for the SIPS machine (e.g. f2ins01) and one for the ECS machine (e.g. f2mss01)
 - On f2ins01,

System Startup (continued)

Enter: /usr/local/bin/ssh-keygen2 ↵

Generating 1024-bit dsa key pair

17 oOo..oOo.oOo

Key generated.

1024-bit dsa, sips1@f2ins01, Fri Sep 22 2000 12:44:42

Passphrase : <Key in your passphrase> ↵ ----- any character string with space counted

Again : <Repeat your passphrase> ↵

Private key saved to /home/sips1/.ssh2/id_dsa_1024_a

Public key saved to /home/sips1/.ssh2/id_dsa_1024_a.pub

- On f2mss01,

Enter: /usr/local/bin/ssh-keygen2 ↵

Generating 1024-bit dsa key pair

17 oOo..oOo.oOo

Key generated.

1024-bit dsa, sips1@f2msss01, Fri Sep 22 2000 12:44:42

Passphrase : <Key in your passphrase> ↵ ----- any character string with space counted

Again : <Repeat your passphrase> ↵

Private key saved to /home/sips1/.ssh2/id_dsa_1024_a

Public key saved to /home/sips1/.ssh2/id_dsa_1024_a.pub

- On f2ins01, create a file ~/.ssh2/identification

Enter: vi ~/.ssh2/identification ↵

put one line : "IdKey id_dsa_1024_a"

- On f2mss01, create a file ~/.ssh2/identification

System Startup (continued)

Enter: vi ~/.ssh2/identification ↵

put one line: "IdKey id_dsa_1024_a"

- On f2ins01, exchange public key of sips1@f2ins01.hitc.com with public key of sips1@f2mss01.hitc.com

Enter: /usr/local/bin/scp2 ~/.ssh2/ id_dsa_1024_a.pub [sips1@f2mss01.hitc.com:~/.ssh2/id_dsa_1024_a.pub](mailto:sips1@f2mss01.hitc.com) ↵

Accepting host f2mss01.hitc.com key without checking.

sips1@f2mss01.hitc.com's password: <key in unix password of sips1 on f2mss01> ↵

Transferring id_dsa_1024_a.pub -> f2mss01.hitc.com:~/.ssh2/id_dsa_1024_a.pub (1k)

/...../

731 bytes transferred in 0.03 seconds [19.51 kB/sec].

- On f2ins01, create a file ~/.ssh2/authorization

Enter: vi ~/.ssh2/authorization ↵

put one line: "Key id_dsa_1024_a.pub"

- On f2mss01, create a file ~/.ssh2/authorization

Enter: vi ~/.ssh2/authorization ↵

put one line: "Key id_dsa_1024_a.pub"

- Test whether the ssh2 has been set up correctly

On f2ins01.

Enter: /usr/local/bin/ssh f2mss01 uname -a ↵

Passphrase for key "/home/sips1/.ssh2/id_dsa_1024_a" with comment "1024-bit dsa, sips1@f2ins01, Fri Sep 22 2000 12:44:42":<key in passphrase for sips1 on f1ins01> ↵

SunOS f2mss01 5.5.1 Generic_103640-32 sun4m sparcsun4m SPARCstation-20

3. Set up ssh keys for the pairs of sips2, sips3, ..., sipsn accounts similarly.

System Startup (continued)

b. Install MTMGW client scripts on the ECS side

Install the mtmsearch, mtmorder, and mtmsearchorder scripts in the sips1, sips2 ...sipsn account home directories by doing the following:

- ___ 1) Log in as sips1 on the ECS machine
- ___ 2) Run ECS Assist.
- ___ 3) Select Subsystem Manager
- ___ 4) Select mode and subsystem(CSS)
- ___ 5) Click subsystem (CSS) button and click the EcCsId package node underneath the CSS node
- ___ 6) Click Utility on the top menu bar
- ___ 7) Select Extensions on the pull down menu of Utility
- ___ 8) Select CSSMKSIPS
- ___ 9) Configure the 2nd parameter in the pop up window to be the port number of corresponding instance of MTMGW servers that mtmsearch, mtmorder and mtmsearchorder scripts want to connect to.
- ___ 10) Configure the 3rd parameter in the pop up window to be the connection timeout.

If you have multiple SIPS user accounts, login as each user from sips2 through sipsn and repeat the above steps 2) through 9).

MTMGW Test Script Installation

A number of MTMGW test scripts are provided. To install the test scripts, follow the steps indicated below. These test scripts must always be executed on the SIPS side machine:

1. Copy the test scripts from /usr/ecs/<MODE>/CUSTOM/utilities/MtMTestScript* to the home directory of sips1...sipsn on the SIPS side machine via ftp.

If this test is taking place on the real SIPS side, bypass this step -- go to step 2.

Let's say the SIPS side machine is f2ins01 and the ECS side machine is f2mss01.

On f2ins01,

Enter: cd ~/ ↵

Enter: ftp -i f2mss01 ↵

System Startup (continued)

ftp>Connected to f2mss01.hitc.com.

220-NOTICE: unknown@f2ins01.hitc.com,

*220-******

220-

220-THIS U.S. GOVERNMENT COMPUTING SYSTEM IS FOR AUTHORIZED USERS

220-ONLY. ANYONE USING IT IS SUBJECT TO MONITORING AND RECORDING

220-OF ALL KEYSTROKES WITHOUT FURTHER NOTICE. THIS RECORD MAY BE

220-PROVIDED AS EVIDENCE TO LAW ENFORCEMENT OFFICIALS.

220-

*220-******

220 f2mss01 FTP server (UNIX(r) System V Release 4.0) ready.

Name (f2mss01:sipsn): ↵

Password:<Enter sipsn password> ↵

230 User sipsn logged in.

>cd /usr/ecs/<MODE>/CUSTOM/utilities ↵

250 CWD command successful.

>asc ↵

200 Type set to A.

>mget MtMTestScript ↵*

.....

.....

> bye ↵

System Startup (continued)

2. Run test

To avoid keying in the passphrase every time you execute the ssh command, run the following command before you start:

Enter: **ssa** ↵ ----- **a supporting script**

Agent pid 25440 ----- Write down this number. you will **use it to kill the agent before you log out from this session**

Adding identity: /home/sipsn/.ssh2/id_dsa_1024_a.pub

Need passphrase for /home/sipsn/.ssh2/id_dsa_1024_a (1024-bit dsa, sipsn@f2ins01, Fri Sep 22 2000 13:06:29).

Enter passphrase:<key in passphrase for sipsn on f2ins01> ↵

This macro accepts your passphrase once, storing it in ssh-agent's memory. If you execute the ps command, you will see one of the entries is "ssh-agent". After executing the above script, you won't be asked to key in any passphrase as long as the ssh agent is running. For example:

```
f2ins01{sipsn}:ssh mtmsearch -MssUserID <value> -QualificationList "ShortNameVersionID Match XXX.001"
```

Note: when you finish your test and are ready to leave, please don't forget to kill the agent process,

Enter: kill -15 < Agent pid> ↵

The agent pid is the one displayed on the screen when you ran the ssa command -- in this example it is "25440"

DMS

N/A

DPS

A. Required FTP Accounts

Refer to the document "ECS Custom Software File Permissions and Special Accounts Standard" (910-TDA-011) for a description of the ftp user accounts and passwords required for running DPS.

System Startup (continued)

DSS

A. Configure STMGT Servers

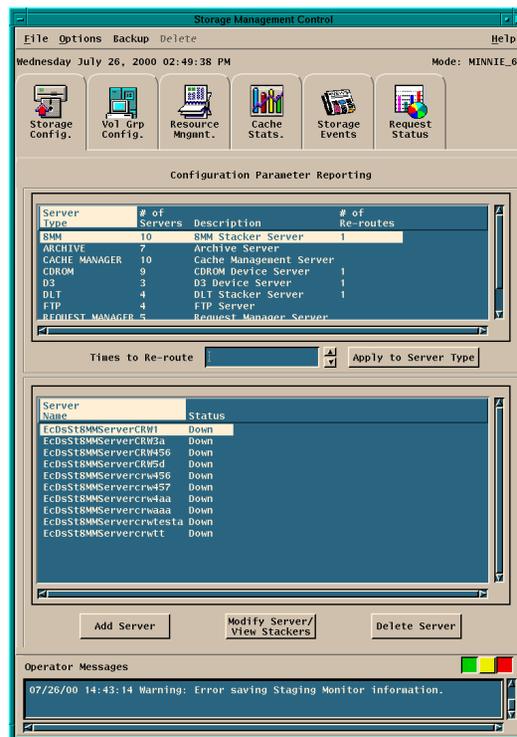
All new STMGT servers need to be configured for 6A.04.

Note: There are some occasions (usually when configuring service threads) when a secondary window will appear to allow additional configuration of a server. Due to a bug, closing the secondary window may in some instances cause changes made in the primary window to be lost. It is recommended that values be changed in the secondary window first or that the changes made in the primary window be carefully reviewed after the secondary window is closed.

Bring up the STMGT GUI with the following commands (on the *xxdisnn* Sun machine where the GUI resides):

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
```

```
EcDsStmgtGuiStart <MODE>
```



System Startup (continued)

8MM Server Configuration Removal

Delete any configured 8MM Server configurations:

- ___ a) Under the "Configuration Parameter Reporting" window, click on the "8MM" entry for "Server Type" (Note: If the entry in the "# of Servers" column corresponding to the 8MM server is "0", all 8MM Server configurations have already been deleted. You may now begin to configure the servers).
- ___ b) Select the first entry under "Server Name" in the second window.
- ___ c) Click on the "Delete Server" button. When prompted, select "Ok" to confirm the deletion.
- ___ d) Repeat steps b) and c) for all remaining configured servers. When finished, there should be no entries in the second window and the entry in the "# of Servers" column corresponding to the 8MM Server will be "0". Note that this will only remove the 8MM server configuration from the STMGT database. Other 8MM Server components (such as CDS Entries, .CFG files, and keytab files) may be removed manually.

Select the Storage Config. Tab to begin configuring the servers.

Archive Server Configuration

Archive Servers will have to be configured for the DRP, ACM, WKG, and DIS hardware CIs. Complete the following instructions to configure these Archive devices.

- ___ 1) Highlight Archive in the Configuration Parameter Reporting screen.
- ___ 2) Press Add Server button on the bottom of the screen. The following screen will appear:

System Startup (continued)

Archive Server Configuration

Server Name: EcDsStArchiveServer RPC Tag:

File I/O Block Size (bytes):

Retries: ▲ ▼

Sleeptime (seconds): ▲ ▼

Service Threads:	<input type="text" value="10"/>	Allocate by Priority
Read Threads:	<input type="text" value="10"/>	Allocate by Priority
Write Threads:	<input type="text" value="10"/>	Allocate by Priority

Enable Checksumming On Store:

Enable Checksumming On Retrieve:

OK Cancel

___ 3) Complete the parameters as specified in the following table

System Startup (continued)

Table 6-1 – Archive Server Configuration Parameters

Parameter	Description/Value
Server Name	Name of the Archive Instance
RPC Tag	The four-char tag which will appear in RPC Ids submitted by the Archive Server. Recommended values are ARCP (for DRP1), ARCB (for DRP2), ARCA (for ACM1), ARCW (for WKS1), etc.
File I/O Block Size	The block size to be used for file I/O. Recommended value: 4194304
Retries	The number of times to retry failed operations. Recommended value: 5
Sleeptime	The time to sleep in seconds, between retries. Recommended value: 2
Enable Checksumming on Store	Computes CRC-32 checksum for each file stored in Archive. Recommended value: No
Enable Checksumming on Retrieve	Computes CRC-32 checksum for each file retrieved from Archive. Recommended value: No

System Startup (continued)

Parameter	Description/Value
Service Threads	The number of service threads available to process requests which do not directly involve AMASS devices. Recommended value: see table below

Where Archive Instance = Hardware CI (ACM1, DRP1, DRP2, WKG1,DIP1)

To configure Service/Read/Write Threads Press Allocation by Priority and enter the following values:

Service Threads:

Table 6-2 – Suggested Archive Server Service Thread Values

Type of Thread	Value (ACM)	Value (DRP1)	Value (DRP2, WKG1, DIP1)
Xpress	0	0	0
V-High	10	10	10
High	10	10	10
Normal	0	0	0
Low	10	30	30
Total	30	50	50

Read Threads:

System Startup (continued)

Table 6-3 – Suggested Archive Server Read Thread Values

Type of Thread	Value (ACM)	Value (DRP1)	Value (DRP2, WKG1, DIP1)
Xpress	0	0	0
V-High	10	0	10
High	10	0	10
Normal	0	0	0
Low	10	10	10
Total	30	10	30

Write Threads:

Table 6-4 – Suggested Archive Server Write Thread Values

Type of Thread	Value (ACM)	Value (DRP1)	Value (DRP2, WKG1, DIP1)
Xpress	0	0	0
V-High	10	20	10
High	10	70	10
Normal	0	0	0
Low	10	10	30
Total	30	100	50

System Startup (continued)

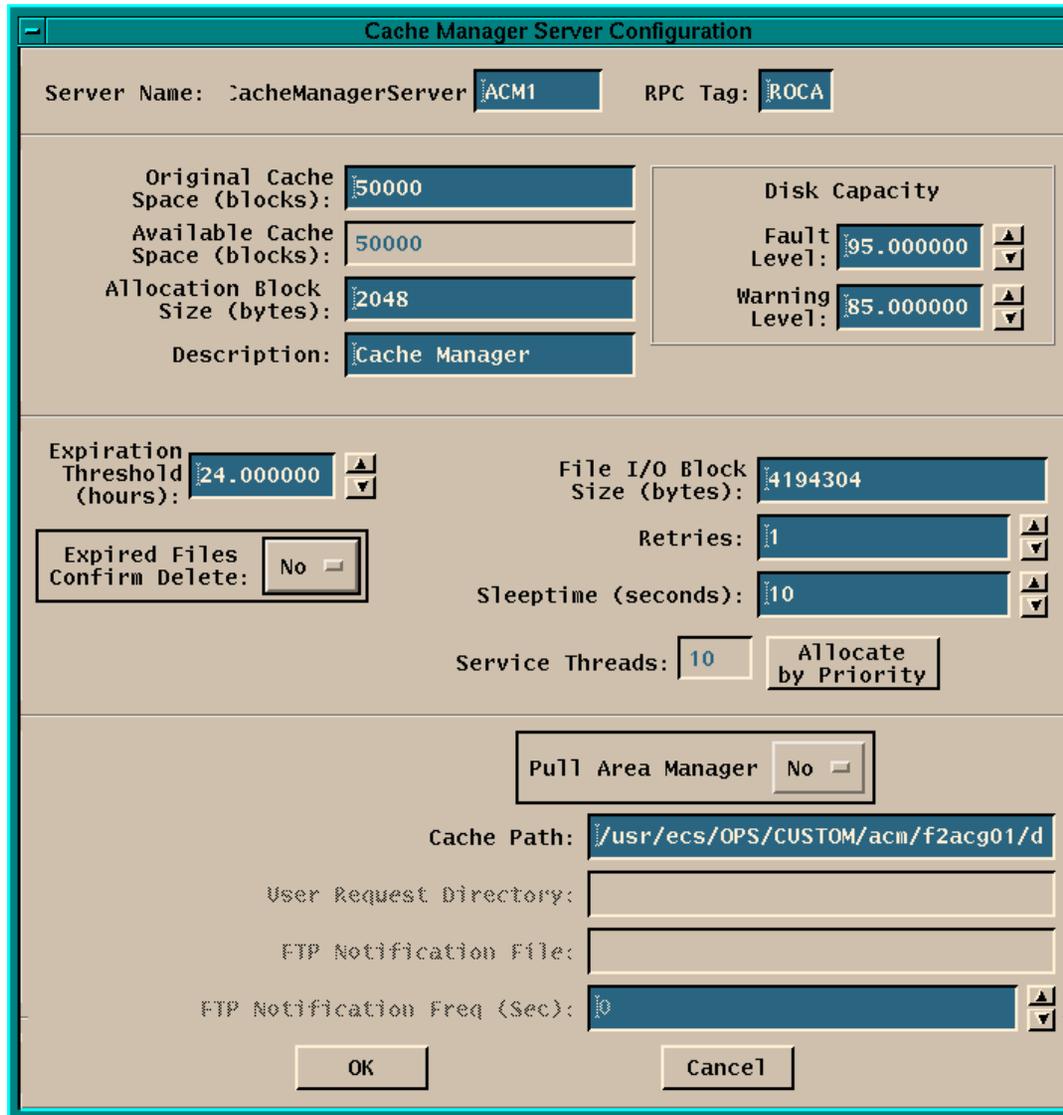
Cache Manager Configuration

A Cache Manager will have to be configured on each host where the Staging Disk is located. The Cache Manager must be configured to manage Read-only Caches. Additionally a Cache Manager will have to be configured to manage the Pull Area.

The following screen will be displayed to configure a Cache Manager:

- ___ 1) Highlight Cache Manager in the Configuration Parameter Reporting screen.
- ___ 2) Press Add Server button on the bottom of the screen. The following screen will appear:

System Startup (continued)



The image shows a 'Cache Manager Server Configuration' dialog box with the following fields and controls:

- Server Name: CacheManagerServer **ACM1**
- RPC Tag: **ROCA**
- Original Cache Space (blocks): **50000**
- Available Cache Space (blocks): **50000**
- Allocation Block Size (bytes): **2048**
- Description: **Cache Manager**
- Disk Capacity: (label)
- Fault Level: **95.000000** (with up/down arrows)
- Warning Level: **85.000000** (with up/down arrows)
- Expiration Threshold (hours): **24.000000** (with up/down arrows)
- File I/O Block Size (bytes): **4194304**
- Retries: **1** (with up/down arrows)
- Sleeptime (seconds): **10** (with up/down arrows)
- Service Threads: **10**
- Allocate by Priority: (checkbox)
- Expired Files Confirm Delete: **No** (checkbox)
- Pull Area Manager: **No** (checkbox)
- Cache Path: **/usr/ecs/OPS/CUSTOM/acm/f2acg01/d**
- User Request Directory: (empty text box)
- FTP Notification File: (empty text box)
- FTP Notification Freq (Sec): **0** (with up/down arrows)
- Buttons: **OK** and **Cancel**

The type of cache being managed is controlled by the Pull Area Manager toggle. If Pull Area Manager is toggled to **No**, the configured instance is defined to manage a Read-Only Cache. Otherwise, the configuration defines the cache information to be used by the Pull Monitor Server.

System Startup (continued)

___ 3) Complete the parameters as specified in the following table.

Table 6-5 – Cache Manager Configuration Parameters

Parameter	Description/Value
Server Name	Name of the Cache Manager hardware CI. Recommended value for the Cache Manager instance which manages the Pull Area is PULL
RPC Tag	The four-char tag which will appear in RPC Ids submitted by the Cache Server. Recommended values are ROCP (DRP1), ROCB (DRP2), ROCA (ACM1). For the Cache Manager that manages the Pull Area, recommended value is PULL .
Original Cache Space (blocks)	Total size of cache on disk. This is calculated based on the original cache space less the combined size of the files currently cached as stored in the database. Recommended value: <5B value> . Note: This value is specified in blocks, not bytes, and may therefore need to be converted.

System Startup (continued)

Parameter	Description/Value
Allocation Block Size	Block size in bytes to be used for cache allocation purposes. Recommended value: 4096
Description	A mnemonic description of the cache for use by the operator. Recommended value: Read-only cache on <HWCI>
Enable Checksumming on Store	Computes CRC-32 checksum for each file stored in Archive. Recommended value: No
Disk Capacity – Fault Level	Parameter not currently used. Recommended value: 0
Disk Capacity – Warning Level	Parameter not currently used. Recommended value: 0
Expiration Threshold (hours)	The number of hours a lien will be held against a cached file. Recommended value: 72
Expired Files Confirm Delete	If set to No, the Cache Manager will automatically make space for new files in the cache by removing files whose liens have expired. Recommended value: No

System Startup (continued)

Parameter	Description/Value
File I/O Block Size	The block size to be used for file I/O. Recommended value: 4194303
Retries	The number of times to retry failed operations. Recommended value: 5
Sleeptime	The time to sleep, in seconds, between retries. Recommended value: 2
Service Threads	The number of service threads available to process requests submitted to the Staging Disk Server. This neither refers nor correlates to DCE Listen threads. Recommended value: see table below
Pull Area Manager	Indicates whether this instance of the Cache Manager will be managing a read-Only Cache (ROC) or the Pull Area. Only one instance of the Cache Manager should be configured as a Pull Area Manager, though multiple instances may be configured to manage ROCs. No indicates the configured instance manages an ROC. Recommended value: Yes

System Startup (continued)

Parameter	Description/Value
	for Pull Monitor, No otherwise

Service Threads:

Table 6-6 – Suggested Cache Manager Service Thread Values

Type of Thread	Value (ACM & Pull)	Value (DRP)
Xpress	5	5
V-High	10	5
High	15	40
Normal	15	30
Low	5	70
Total	50	150

Pull Area Manager Configuration: When configuring a Cache Manager for the Pull Area, toggle the Pull Area Manager **ON** and complete the following parameters (**Note:** "Cache Path" must be set for all Cache Managers, not just the Pull Monitor):

Table 6-7 – Cache Manager Pull Area Configuration Parameters

Pull Area Manager Parameters	Value
Cache Path	Path to where the cache physically resides. Example: .../OPS/acm/p0acg01/data/Cache. Recommended value: <5B

System Startup (continued)

Pull Area Manager Parameters	Value
	setting>/cache
User Request Directory	<p>Path where user directories will be created. These directories are the visible paths which are used for staging FTP Pull distributions. The path specified here must match the login path specified in the configuration for anonymous FTP, if anonymous FTP will be used for client acquisition of FTP Pull orders. Example: .../OPS/acm/PullArea/user. Recommended value: <5B setting></p>
FTP Notification File	<p>A fully qualified path and filename where a list of acquired files will be placed to permit the Cache Manager to automatically clean up files which have been successfully pulled. This field is only used by the Pull Area Manager. Example: .../OPS/acm/PullArea/ftpnotify.dat. Recommended value: <5B setting></p>
FTP Notification Freq (Sec)	<p>The frequency with which the Pull Area Manager will review the list of acquired files and perform the corresponding clean-up. Recommended value: <5B setting></p>

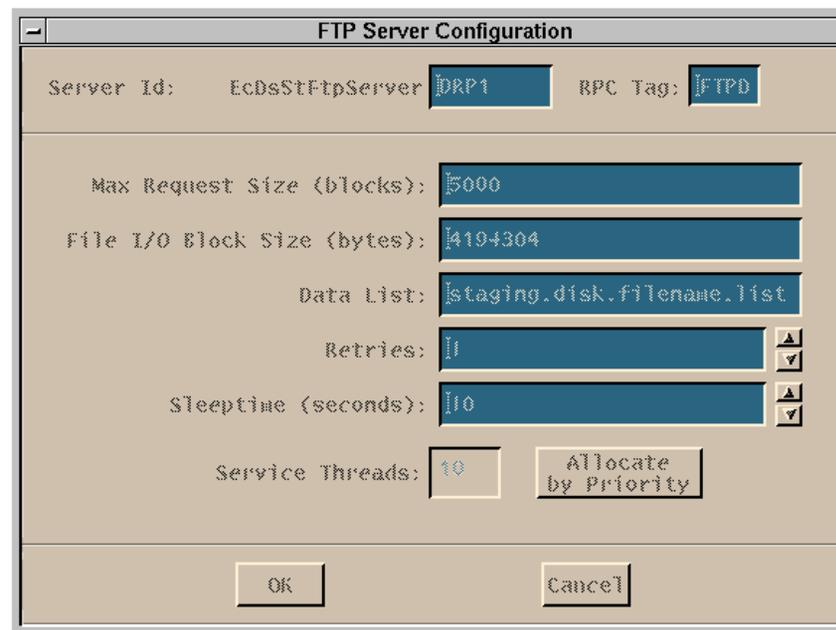
System Startup (continued)

FTP Server

There are two types of FTP Servers. There are FTP Servers for internal distributions and a single FTP Server for external distributions. The FTP Servers for internal distributions will have to be configured on each host that contains an Archive Server. A single FTP Server should be configured for external distributions.

The following screen will be displayed to configure a FTP Server:

- ___ 1) Highlight Cache Manager in the Configuration Parameter Reporting screen.
- ___ 2) Press Add Server button on the bottom of the screen.



The screenshot shows a dialog box titled "FTP Server Configuration". It contains several input fields and buttons. The "Server Id" field is set to "EcDsStFtpServer" and the "RPC Tag" field is set to "FTP". The "Max Request Size (blocks)" field is set to "5000". The "File I/O Block Size (bytes)" field is set to "4194304". The "Data List" field is set to "staging.disk.filename.list". The "Retries" field is set to "1" and has a "v" button next to it. The "Sleeptime (seconds)" field is set to "10" and has a "v" button next to it. The "Service Threads" field is set to "10" and has an "Allocate by Priority" button next to it. At the bottom of the dialog box, there are "OK" and "Cancel" buttons.

- ___ 3) Complete the parameters as specified in the following table

System Startup (continued)

Table 6-8 – FTP Server Configuration Parameters

Parameter	Description/Value
Server Id	Name of this instance of the FTP Server. Id should equal the hardware CI . The ID of the FTP Server for external FTP distributions (on xxacgxx) should be configured as NONE . The HWCI for the existing ACM1 FTP server must be changed to "NONE" (the STMGT database transition scripts will set it to the existing value of ACM1).
RPC Tag	The four-character tag which will appear in RPC Ids submitted by the FTP Server. Recommended values: FTPD (DRP1), FTPI (ICL1), FTPA (NONE), etc.
Max Request Size	The maximum aggregate size of files which may be electronically transferred as a single request. The size is specified in terms of file I/O blocks. Recommended value: <5B setting>
File I/O Block Size	Block size in bytes to be used for I/O. Recommended value: 4194304

System Startup (continued)

Parameter	Description/Value
Data List	The name of the file which will be used by DDIST to specify the list of files to be electronically distributed. This must match the corresponding parameter in the DDIST configuration file for the StagingFileList parameter. Recommended value: staging.disk.filename.list.
Retries	The number of times to retry failed operations. Recommended value: 5
Sleeptime	The time to sleep in seconds, between retries. Recommended value: 2
Service Threads	The number of Service Threads available to process requests submitted to the FTP Server. Recommended value: see table below. Note: This neither refers nor correlates to DCE listen threads.

Service Threads:

System Startup (continued)

Table 6-9 – Suggested FTP Server Service Thread Values

Type of Thread	Value (NONE)	Value (DRP, ICL)
Xpress	0	0
V-High	0	0
High	0	0
Normal	20	0
Low	20	20
Total	40	20

Staging Disk Configuration

A Staging Disk will have to be configured on each hardware CI. The following screen will be displayed to configure a Staging Disk Server:

Table 6-10 – Staging Disk Configuration Parameters

Parameter	Description/Value
Server Name	Name of the hardware CI for the Staging Disk
RPC Tag	The four-char tag which will appear in RPC Ids submitted by the Staging Disk Server. Recommended values:

System Startup (continued)

Parameter	Description/Value
	SDDP (DRP1), Sddb (DRP2), SDAC (ACM1), SDDI (DIP1), etc.
Allocation Block Size (bytes)	The block size in bytes to be used for allocation purposes. Clients which must accommodate links to other files will allocate one block per link to be created.. Recommended value: 4096
Total Staging Space (blocks)	Total space available on disk for allocation. Recommended value: <5B value> . Note: This value is specified in blocks, not bytes, and may therefore need to be converted.
Available Staging Space (blocks)	Space remaining which is available for allocation. The unit is allocation blocks. This is calculated based on the total Staging Space and the current set of allocated staging disks as stored in the database.
Root Path	Path on disk where staging disks will be created. Each staging disk will be named disknnn where nnn is a unique number. Example: <code>.../CUSTOM/acm/p0acg01/</code>

System Startup (continued)

Parameter	Description/Value
	data/StagingArea. Recommended value: <5B value>/disks
File I/O Block Size (bytes)	The block size to be used for file I/O. Recommended value: 4194304
Retries	The number of times to retry failed operations. Recommended value: 5
Sleeptime	The time to sleep, in seconds, between retries. Recommended value: 2
Service Threads	The number of service threads available to process requests submitted to the Request Manager Server. Recommended value: see table below

System Startup (continued)

Service Threads:

Table 6-11 – Suggested Staging Disk Service Thread Values

Type of Thread	Value (ICL)	Value (ACM, DRP)	Value (DIP)
Xpress	0	0	0
V-High	5	10	0
High	10	10	10
Normal	10	10	10
Low	10	20	10
Total	35	50	30

Request Manager Configuration

A single Request Manager must be configured per mode.

The following screen will be displayed to configure a Request Manager:

- ___ 1) Highlight Request Manager in the Configuration Parameter Reporting screen.
- ___ 2) Press Add Server button on the bottom of the screen.

System Startup (continued)

The screenshot shows the 'Request Manager Configuration' dialog box. The 'Server Name' field is set to 'cDsStRequestManagerServer' and the 'RPC Tag' is 'SRQM'. The 'File I/O Block Size (bytes)' is '4194304'. The 'Retries' field is '1' and the 'Sleeptime (seconds)' is '10'. The 'Service Threads' field is '10' and there is an 'Allocate by Priority' button. The 'OK' and 'Cancel' buttons are at the bottom.

___3) Complete the parameters as specified in the following table

Table 6-12 – Request Manager Configuration Parameters

Parameter	Description/Value
Server Id	Name of this instance of the Request Manager Server. The only names which are recognized by the STMGT client interface are PRI and SEC. Recommend value: PRI
RPC Tag	The four-char tag which will appear in RPC Ids submitted by the Request Manager Server. Recommended value: RQMA .

System Startup (continued)

Parameter	Description/Value
File I/O Block Size	Block size in bytes to be used for I/O. Recommended value: 4194303
Retries	The number of times to retry failed operations. Recommended value: 5
Sleeptime	The time to sleep in seconds, between retries. Recommended value: 2
Service Threads	The number of Service Threads available to process requests submitted to the Request Manager. Note: This neither refers nor correlates to DCE listen threads. Recommended value: see table below

Service Threads:

Table 6-13 – Suggested Request Manager Service Thread Values

Type of Thread	Value
Xpress	0
V-High	10
High	10
Normal	10
Low	50
Total	80

System Startup (continued)

D3 Server Configuration

Configure D3 servers as required in each mode.

The following screen will be displayed to configure a D3 Server:

- ___ 1) Highlight D3 Device Server in the Configuration Parameter Reporting screen.
- ___ 2) Press Add Server button on the bottom of the screen.

System Startup (continued)

D3 Device Server Configuration

Server Name: EcDsStd3Server RPC Tag: []

Media Server Block Size (bytes): 512

Capacity (blocks): 1028

Default Block Factor: 512

File I/O Block Size (bytes): 4194304

Retries: 1

Sleeptime (seconds): 10

Number of Columns: 80

Number of Rows: 66

Print Queue: sole

Allow Distribution Across Network: No

Staging Threads: 10 Allocate by Priority

Drive Operations

Drive Name	Description
------------	-------------

Find []

OK Save New Server Cancel

System Startup (continued)

___3) Complete the parameters as specified in the following table

Table 6-14 – D3 Server Configuration Parameters

Parameter	Description/Value
Server Name	Name of this instance of the Media Server. The recommended value is “ NONE ”.
RPC Tag	The four-character tag that will appear in RPC Ids submitted by the Media Server. Recommended value: DTHR
Media Server Block Size (bytes)	The actual hardware block size for the D3 device. This block size is also the basis unit for specifying media capacity. Recommended value: 262144
Capacity (blocks)	The maximum aggregate size of files which may be transferred on a single piece of media. The size is specified in terms of Media Server Block Size. This should be set to 95% of the rated capacity for the D3 device. Recommended value: 194560
Default Block Factor	The number of blocks which will be read/written at once when performing I/O.

System Startup (continued)

Parameter	Description/Value
	Recommended value: < 5B setting >
File I/O Block Size (bytes)	The block size to be used for file I/O. Recommended value: 4194304
Retries	The number of times to retry failed operations. Recommended value: 2
Sleeptime (seconds)	The time to sleep, in seconds, between retries. Recommended value: 20
Number of Columns	The column width to which packing slips should be formatted. No longer used due to PDS.
Number of Rows	The page length to which packing slips should be formatted. No longer used due to PDS.
Print Queue	The UNIX named print queue to which packing slips should be sent for requests serviced by this Media Server instance. No longer used due to PDS.
Allow Distribution Across Network	Indicates whether or not this Media Server instance will permit media distribution from a staging disk which is

System Startup (continued)

Parameter	Description/Value
	NFS-mounted in the event that the data cannot be locally staged. No longer used due to PDS.
Staging Threads	The number of Service Threads available to locally stage data for media distribution by this Media Server instance. Note: This neither refers nor correlates to DCE Listen Threads. It also does not correspond to the number of devices available for media distribution. A separate thread pool is automatically created for actual media I/O, based on the number of media devices configured for use by this Media Server instance. No longer used due to PDS.

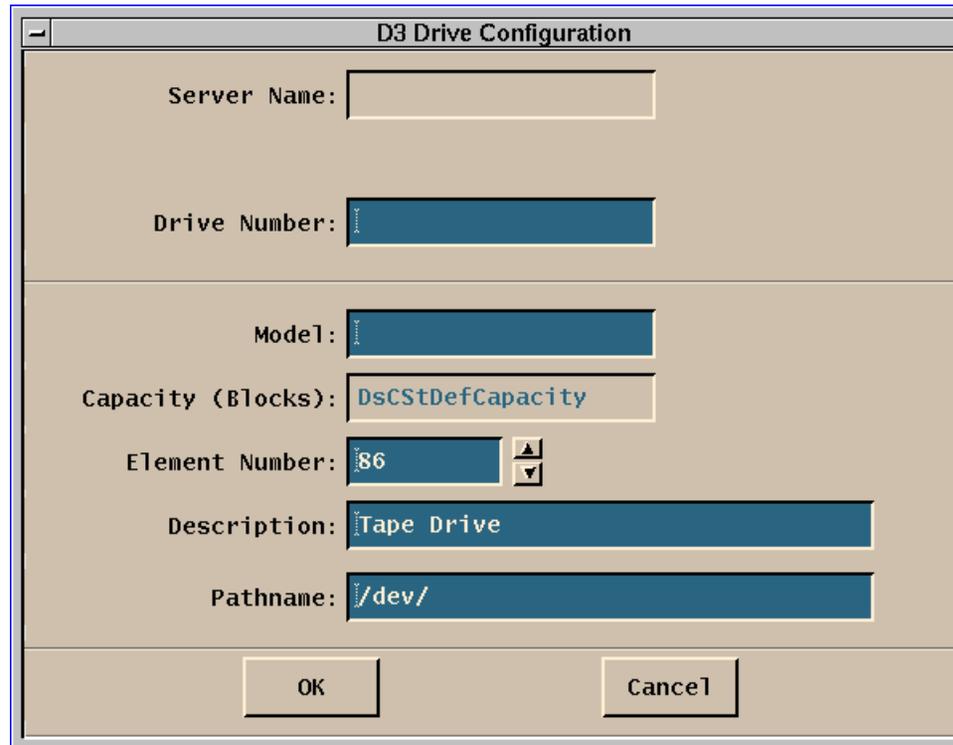
Staging Threads:

Table 6-15 – Suggested D3 Server Service Thread Values

Type of Thread	Value
Xpress	0
V-High	0
High	0
Normal	0
Low	0
Total	0

System Startup (continued)

___ 4) Press Save New Server button on the bottom of the screen. Press Drive Operations button and select “Add Drive...”



The image shows a dialog box titled "D3 Drive Configuration". It contains several input fields and buttons. The fields are: "Server Name:" (empty), "Drive Number:" (empty), "Model:" (empty), "Capacity (Blocks):" (DscStDefCapacity), "Element Number:" (86), "Description:" (Tape Drive), and "Pathname:" (/dev/). There are "OK" and "Cancel" buttons at the bottom.

Server Name:	
Drive Number:	
Model:	
Capacity (Blocks):	DscStDefCapacity
Element Number:	86
Description:	Tape Drive
Pathname:	/dev/

___ 5) Press Add Server button on the bottom of the screen.

System Startup (continued)

Table 6-16 – D3 Drive Configuration Parameters

Parameter	Description/Value
Server Name	Name of this instance of the Media Server. This value is automatically populated by the GUI.
Drive Number	The ordinal index of the device for the Media Server instance (e.g., 1, 2).
Model	The model of device, if known.
Capacity (Blocks)	Media capacity, as expressed in Media Server blocks. This cannot be changed in 6A, and is presented as a courtesy to the operator.
Element Number	The element number of the device.
Description	A mnemonic description of the device used by the operator to clarify which device is meant (e.g., Left side of table).
Pathname	The UNIX fully-qualified path to the device path for the drive.

___ 6) Verify that the path specified in “Pathname” above is properly configured.

System Startup (continued)

B. (STMGT) Remove Copy Daemons and FTP Client Daemons from inittab

Since the STMGT Copy Daemons and FTP Client Daemons no longer exist in Drop 6A.04, they need to be removed from the /etc/inittab file.

C. (STMGT) Set up cron job for GRCleanup

The GRCleanup process must be set up to remove generic requests from the STMGT database (this functionality was previously provided by running the STMGT GUI). View the DsStGRCleanup.README file located in the /usr/ecs/<MODE>/CUSTOM/dbms/DSS directory on the xxacgxx platform for more details, including how to modify a crontab file to execute GRCleanup as a cron job.

D. (SDSRV) Copy the DLLs

- ___ a) Change the directory to <Staging Area>/SUN/CUSTOM/data/DSS/temp
- ___ b) Copy the appropriate files:
`cp *.so /usr/ecs/<MODE>/CUSTOM/lib/ESS`
- ___ c) Login as the <server_manager> (usually cmshared or allmode) and copy the new DLLs to the appropriate directory:
`cp *.so /usr/ecs/<MODE>/CUSTOM/lib/DSS`
- ___ d)

E. (SDSRV) Installing the Attribute Valids

- ___ a) ___ a) Install the Attribute Valids:
 1. The Subsystem "DSS" and component "EcDsSr (sdsrv) " should be selected on the ECS Assist Subsystem Manager display from the file menu.
 2. Click on Stage Area Installation. Enter the staging directory in the space provided and select Ok.
 3. From the "File" menu, select ESDT Manager.
 4. From the "File" menu, select Install Valids Information. (This copies the DsDbSODictionaryData.sql and EcDsSrDbValids files to the appropriate runtime locations.)
 5. From the "File" menu, select Exit.
 6. Click the database button. This will install the latest Drop valids. The "DbValids" option was introduced for Drop 4PL7 and appears underneath DbBuild, DbPatch, etc.
 7. Select DbValids.

System Startup (continued)

8. Enter your site information in the Database Configurable Parameters dialogue box, and click OK.
 9. Enter your site information in the EcDsSrDbValids Script Parameters dialogue box, and click OK.
- ___ b) Verify in the ECS Assist log that the Attribute Valids processing ended normally without errors. Also check the more detailed log file `/usr/ecs/<MODE>/CUSTOM/logs/EcDsSrDbValids.log` for any errors.

F. (SDSRV) Run ESDT Transition Script

An ESDT transition script is provided that will update existing descriptors so that they will work with the 6A.04 code:

- ___ a) On the SDSRV server platform (xxdisxx), run the transition script:
`/usr/ecs/<MODE>/CUSTOM/utilities/EcDsSrRmMediaOpts /usr/ecs/<MODE>/CUSTOM/cfg/DsESDTDesc/*.desc`
- ___ b) Delete the "old" versions of the ESDTs as saved by the script (if needed, the old descriptors will still be available in the `/usr/ecs/<MODE>/CUSTOM/cfg.xxxxxxxxxxxxxxx/DsESDTDesc` directory that was created by the `EcCoDeleteMode` script):
`rm /usr/ecs/<MODE>/CUSTOM/cfg/DsESDTDesc/*.old`

G. (SDSRV) Granule Deletion Setup

In order for Granule Deletion to work, there must be a common db login id and password for the SDSRV and STMGT databases. Verify that this login exists in both databases and that the password is the same for each.

H. (SDSRV) SDSRV Resource Catalog Deletion

Science Data Server resource catalogs were to be deleted as part of the 5B.07 installation. If the SDSRV resource catalogs were not deleted during the 5B.07 transition, you **must** delete them before running the 6A.04 Science Data Server (otherwise acquires will fail). The following instructions indicate how to delete resource catalogs if they still exist

On the Science Data Server platform (xxacsxx):
`cd /usr/ecs/<MODE>/CUSTOM/data/DSS/ResourceCatalogs`
`rm *.rcat`

System Startup (continued)

INS

A. EcInEmailGW Server Alias Setup

- ___ a) Verify that an entry has been added to the /etc/mail/aliases file on the host that the EcInEmailGWServer is installed on. The entry will have the form:
`EcInEmailGWServer_{MODE}:'"/usr/ecs/{MODE}/CUSTOM/utilities/EcInEmailGWServerscript.csh"`

IOS

N/A

MSS

A. GDS Order Tracking Replication Resumption

To enable GDS Order Tracking Replication, coordinate with the SMC so that the following procedures can be performed at the DAAC and the SMC (as indicated):

Replication Definitions

- ___ a) Ensure the EcMsDbRep.pkg has already been installed.
- ___ b) At the DAAC, in the GDS_ORDER directory, edit the EcRs{DAAC}.cfg file for the SMC and the DAAC. **Note: The RV_ID parameter should be set to the same value that was used when configuring user profile replication in the mode.**
- ___ c) At the SMC, in the GDS_ORDER directory, edit the EcRs{DAAC}.cfg for the SMC and the DAAC. **Note: The RV_ID parameter should be set to the same value that was used when configuring user profile replication in the mode.**
- ___ d) At the DAAC, the script EcRsRepDefEcAcRequest.rcl should be executed.
- ___ e) At the DAAC, the script EcAcRequestFunctionString.rcl should be executed.
- ___ f) At the SMC, the script alter DsiConnection.rcl should be executed.
- ___ g) At the DAAC, log into the SQL Server. Perform the following to mark the GDS Order Request table for replication:
 - ___ h) **use {Database Name}**
 - ___ i) **go**
 - ___ j) **sp_setreptable EcAcRequest, true**
 - ___ k) **go**
- ___ l) At the DAAC, start the replication agent:
 - use {SQL Server}**
 - go**
 - sp_start_rep_agent**
 - go**

System Startup (continued)

Subscriptions:

- ___ a) At the SMC, edit the EcRs{DAAC}.cfg files for the SMC and the DAAC. **Note: The RV_ID parameter should be set to the same value that was used when configuring user profile replication in the mode.**
- ___ b) At the SMC, the script EcRsMsSubEcAcRequest should be executed.

PLS

N/A

Toolkit

A. Update utcpole.dat and leapsec.dat

The Toolkit support files utcpole.dat and leapsec.dat need to be updated regularly, using the scripts provided with the Toolkit delivery. The first update should be performed at installation time. It is up to the site to put a regular update process (such as through a UNIX *cron* job) in place.

The utcpole.dat and leapsec.dat files reside in a data area common to all installed Toolkits. The update scripts only need to be run once on each Toolkit host, and they may be run from the *bin/<architecture>* directory of any installed Toolkit.

The delivered update scripts can only run on a science processor with a dual interface (a “u” interface).

The user account performing the update must have write permission in the Toolkit directories

Note: You may have to edit the pgs-env.csh file to change the value of <MODE> to match the mode being configured.

On a dual interface science processor host:

```
cd /usr/ecs/<MODE>/CUSTOM/toolkit/bin/sgi64
```

```
source pgs-env.csh
```

...After sourcing the above mentioned file, ensure that all PGS environment variables are set to the current mode by executing the following command:

System Startup (continued)

env | grep PGS

Ensure that the PATH environment variable includes the current working directory.

Ensure that the PGS_PC_INFO_FILE environment variable is set to:

/usr/ecs/<MODE>/CUSTOM/TOOLKIT/toolkit/runtime/sgi64/PCF_relB0_daac

update_leapsec.sh

... the following messages will be issued at successful completion:

Status of PGS_TD_NewLeap call was (0)

Status of MOVE command was (0)

update_utcpole.sh

... the following messages will be issued at successful completion:

Status of PGS_CSC_UT1_Update was (0)

Status of MOVE command was (0)

If you have additional science processors without a dual interface, you must ftp the updated files from the first science processor to the others manually. From the dual interface host:

```
cd /usr/ecs/<MODE>/CUSTOM/TOOLKIT/toolkit/database/common
```

```
ftp xspgmn
```

```
...enter build account user name (or another account with write access to the TD and CSC directories)
```

```
...enter user password
```

```
>cd /usr/ecs/<MODE>/CUSTOM/TOOLKIT/toolkit/database/common
```

```
>put TD/leapsec.dat
```

```
>put CSC/utcpole.dat
```

```
>quit
```

System Startup (continued)

System

Start up all servers in the system using the normal system-level start process. Be sure to start all servers cold (where applicable) **except** for the Ingest Polling servers and the STMGT Pull Monitor server.

CLS

A. Restarting Netscape Enterprise Server (only required if obj.conf files were updated)

- ___ a) Restart web servers on the primary CLS server using the install user name:
- ```
--
-- rlogin <CLS server>
-- setenv DISPLAY <host workstation>
-- netscape
-- In the appropriate window, enter the following URL:
-- http://<primary CLS Server>.<site id>.ecs.nasa.gov:20078
-- Enter the userid and password
-- Click on the "OFF" button corresponding to <server>_CLS_<MODE> and <server>_ODFRM_<MODE>
-- Click on the "ON" button corresponding to <server>_CLS_<MODE> and <server>_ODFRM_<MODE>
-- A window displaying "Success! The server https-<server name>_<FUNCTION>_<MODE> has started up." should appear (once each for the CLS and ODFRM).
```
- \_\_\_ b) Display web pages:
- ```
-- Display the "ASTER On-Demand Processing Requests" welcome page by entering the following URL:
http://<CLS_Server>u.ecs.nasa.gov:1580<0, 1, or 2 based on the mode>
For example, http://p0ins01u.ecs.nasa.gov:15800 would be the appropriate URL for OPS mode in the PVC
-- Display the "EOSDIS User Registration" page by entering the following URL:
http://<server>u.ecs.nasa.gov:1060<0, 1, or 2 based on the mode>/cgi-bin/CLS/EcCIWbUrConfirm?action=request
For example, http://t1ins01u.ecs.nasa.gov:2/cgi-bin/CLS/EcCIWbUrConfirm?action=request would be the appropriate URL for TS2 mode in the VATC.
```

B. EOSView GUI

- ___ a) If EOSView was installed on this host, start the EOSView GUI:

```
setenv          DISPLAY          <server_ID>:0.0
cd          /usr/ecs/<MODE>/CUSTOM/eosview
EOSView
```

System Startup (continued)

___ b) Locate and display .hdf data using the GUI.

CSS

A. Subscription Server GUI

___ a) From the command line, start the GUIs which are a part of your component on the appropriate host(s) (note that you must first log into DCE before running the Subscription Server GUI):

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
dce_login <dce-user> <dce-password>
EcSbSubServerGUIStart <MODE>
```

B. Registry GUI

___ a) From the command line, start the GUIs which are a part of your component on the appropriate host(s):

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
EcCsRegistryGUIStart <MODE>
```

DMS

A. Maintenance Tool

___ a) From the command line, start the GUIs which are a part of the DMS component on the appropriate host(s).
To start the Maintenance Tool GUI:

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
EcDmDdMaintenanceToolStart <MODE>
```

DPS

A. At GUIs

___ a) Make sure that the IOS & DSS installation and server startup have completed.

System Startup (continued)

___ b) From the command line, start the DPS At GUIs:

___ c) **cd /usr/ecs/<MODE>/CUSTOM/utilities**
EcDpAtMgrStart <MODE>
... start all tools from the GUI menu bar “Tools”

B. Job Management GUIs

___ a) On the queuing server:

cd /usr/ecs/<MODE>/CUSTOM/utilities
EcDpPrAutosysStart <MODE> <AutoSys_Instance>

where <AutoSys_Instance> is:

<u>Site:</u>	<u>AutoSys Instance:</u>
VATC	VAT
EDC, GSFC, LaRC, NSIDC	FMR

___ b) On the planning management workstation:

cd /usr/ecs/<MODE>/CUSTOM/utilities
EcDpPrQaMonitorGUIStart <MODE>

DSS

A. STMGT GUI

___ a) From the command line, start the GUIs which are a part of the DSS/stmgt component on the appropriate host(s):

cd /usr/ecs/<MODE>/CUSTOM/utilities
EcDsStmgtGuiStart <MODE>

B. Distribution GUI

System Startup (continued)

- ___ a) From the command line, start the GUIs which are a part of the DSS/distribution component on the appropriate host(s):

```
cd /usr/ecs/<MODE>/CUSTOM/utilities  
EcDsDdistGuiStart <MODE>
```

C. SDSRV GUI

- ___ a) From the command line, start the GUIs which are a part of the DSS/sdsrv component on the appropriate host(s):

```
cd /usr/ecs/<MODE>/CUSTOM/utilities  
EcDsSdSrvGuiStart <MODE>
```

INGEST

A. Polling Server Startup

- ___ a) xxacgnn Polling server start:

Change Directory to the utilities directory i.e. `cd /usr/ecs/<MODE>/CUSTOM/utilities`

```
EcInPollingStart <MODE> ea_instance <Polling process name> StartTemperature <cold or warm> &
```

Example: `EcInPollingStart <MODE> ea_instance EcInPolling.NESDIS &`

Example: `EcInPollingStart <MODE> ea_instance EcInPolling.GSFC-V0 &`

Example: `EcInPollingStart <MODE> ea_instance EcInPolling.SCF &`

Example: `EcInPollingStart <MODE> ea_instance EcInPolling.LaRC_SAGE_III_MOC &`

B. Ingest GUI

- ___ a) From the command line, start the GUI(s) which are a part of your component on the appropriate host(s):

```
cd /usr/ecs/<MODE>/CUSTOM/utilities  
EcInGUIStart <MODE>
```

System Startup (continued)

MSS

A. Accountability (User Profile and Order Tracking)GUI Startup

___ a) From the command line, start the GUIs which are a part of your component on the appropriate host(s):

```
cd/usr/ecs/<MODE>/CUSTOM/utilities
EcMsAcDAACRegUserGUIstart          <MODE>          (at      DAACs      only)
EcMsAcSMCRegUserGUIstart           <MODE>          (at      SMC        only)
EcMsAcOrderGUIstart <MODE>
```

PLS

A. Resource Manager GUIs

___ a) From the command line, start the GUIs which are a part of your component on the appropriate host(s).

To start the Resource Manager GUIs:

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
EcPIRpAllStart    <MODE> <MSGSRV_ID>
EcPIRpReStart    <MODE> <MSGSRV_ID>
EcPIRpSiStart    <MODE> <MSGSRV_ID>
```

To kill the resource planning background processes after exiting the Resource GUIs:

```
EcPIRpSlayAll    <MODE> <MSGSRV_ID>
```

B. Planning GUIs

From the command line, start the GUIs which are a part of your component on the appropriate host(s):

To start the Planning GUIs:

System Startup (continued)

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
```

```
dce_login <dce_user_name> <dce_password>
```

```
EcPIPRE_IFStart <MODE>
```

```
kdestroy
```

```
exit
```

```
EcPlSomeStart <MODE> <MSGSRV_ID>
```

```
EcPlProdStratStart <MODE> <MSGSRV_ID>
```

```
EcPlTlStart <MODE> <MSGSRV_ID>
```

```
EcPlWbStart <MODE> <MSGSRV_ID>
```

To kill the Planning background processes after exiting the GUIs:

```
EcPlSlayAll <MODE> <MSGSRV_ID>
```

Installation Notes and Workarounds (continued)

CLS

N/A

CSS

EcCoPopulateRegistry Buffer Size

The EcCoPopulateRegistry script now has an optional parameter to set the buffer size it uses when populating the registry database. It is recommended that this parameter be used whenever the EcCoPopulateRegistry script is used to populate the registry database from a .CFG file that contains an entry with a very large parameter value (such as the EDGReqAttributesList parameter in the EcDmV0ToEcsGateway.CFG file). A recommended value for the number of listen threads when populating the registry with these long parameter values is 2000.

DMS

A. Maintaining Valid

Valid does not need to be re-exported since ESDTs will not be installed with this drop (they will only be delivered as separate test executables in the future). Instructions for re-exporting valids will be provided with the appropriate test executables.

DPS

N/A

DSS

B. (SDSRV) ESDTs

Do not install any ESDTs from this software drop. ESDT updates are now being delivered as test executables only

(SDSRV) Performance Tuning for HDF-EOS Servers

- 1) Swap space
The HdfEos Server host (typically *xxwkgmn*) should have at least 3GB swap space. If swap space is insufficient, the acquires through the HdfEos servers tend to stop at the start of reformatting.
- 2) Bulk Data Service
The BDS (Bulk Data Service) options must be turned on for the mounts between *xxwkgmn* and *xxdrgnn* in both directions. If this is not done, acquires will not progress beyond subsetting of the first file.

Installation Notes and Workarounds (continued)

INS

N/A

IOS

N/A

MSS

N/A

PLS

N/A

Toolkit

N/A

Installation Notes and Workarounds (continued)

Repopulate Configuration Files

Make Configuration:

- ___ a) **Review any workarounds for the Make Configuration phase.**
- ___ b) **Review any Special Instructions for the Make Configuration phase.**
- ___ c) Bring up the EcsAssist Automated System Installer (EASI) on any host in the .sitemap (Sun hosts are recommended). Note: Each time you restart E.A.S.I., wait 10 minutes before restarting in order to allow the sockets to clear.
- ___ d) Select the correct mode and enter the staging directory followed by a carriage return. After the staging area has been validated, choose **CUSTOM** as the type of installation and then click on the **Next** button. **NOTE: DO NOT DO A FULL STAGED INSTALLATION.**
- ___ e) Click on **Host**. For each host that contains servers or GUIs with configuration parameters, expand the list to show the subsystems installed on that host. Select the subsystems and packages to configure consistent with the .sitemap file. You may select the host, subsystems and or packages to configure by right-clicking on the item and holding down the shift key. (If you want to de-select an item hold the Control key and right-click on that item.) Select all SUN and SGI hosts listed. (If you did not install on the secondary hosts, do not click on those.) **IMPORTANT: You do not need to configure anything on any of the HP hosts.**
- ___ f) On the E.A.S.I. Phase selection window, click on **Config** and then the **Next** button.
- ___ g) A window will appear with the message: "You have not selected INSTALL phase. Make sure ECS custom software has been installed." Click on the **OK** button.
- ___ h) The E.A.S.I Installation Confirmation window will appear. Verify the hosts and packages you have selected. If they are correct, then click on the **Next** button. If they are not correct, click on the **Back** button until you can re-select the hosts, subsystem and packages that you wish to select.
- ___ i) The Final Confirmation will be displayed. Click on the **Yes** button.
- ___ j) The E.A.S.I. Status window appears. Next click on the **COMM** button.
- ___ k) Verify that communication is established with all selected servers. This could take approximately 5 minutes. You will know communication is established when the button beside each server is green and the word "Idle" appears on the right hand side of the host name.
- ___ l) When communication is established on all hosts, click the **CONFIG** button to initiate the mkcfg for the selected components. You may expand the hosts, subsystems, and components down to the package level. As the various packages are configured you may watch the progress.

VERIFICATION:

- ___ a) As each mkcfg is completed the button to the left of the component name should turn green and the word "completed" should appear to the right of the component name. When all component mkcfgs have completed on a host, the icon on the left of the host will indicate a successful installation ("green light") and the word "idle" will appear to the right of the host name. The following exceptions are already documented:
- ___ b) When all hosts are idle, exit E.A.S.I. by clicking on **Cancel** and then **Exit**.

Installation Notes and Workarounds (continued)

- ___ c) Compare the .CFG files created by the auto-config with the files in the /usr/ecs/<MODE>/CUSTOM/cfg/<server>.CFG.rgy file.
- ___ d) Resolve any differences by verifying the new .CFG files have correct values. New configurable parameters will be set with default values. DAAC specific values must be set by running EcsAssist on the respective host. To correct individual configuration items use the Subsystem Manager on the specific host.
- ___ e)

IMPORTANT: Make sure all servers and GUIs have been correctly configured before you continue. The separate Subsystem Configuration Parameters section lists the new parameters which will be included in the mkcfg. Each component of each subsystem has a separate .cfgpatch file which contains the new, updated, and deleted parameters. This file can be found in the /usr/ecs/<MODE>/CUSTOM/.installed/ subdirectories.

Validate and Rename Configuration Files

Once the .CFG files have been generated, they should be validated to ensure that they are accurate. After validation is complete, rename the files to ensure that the servers obtain their configuration parameters from the registry.

___ a) **Verify the configuration files:**

There are two separate validation procedures that can be used. In either case, the validation will need to be performed for all configuration files on a machine-by-machine basis.

The quickest way to validate the files, although it does not guarantee that they are synchronized with the values contained in the registry, is to run a diff on each .CFG file:

```
diff <filename>.CFG <filename>.CFG.rgy
```

Any differences in parameters (with the exception of OID values) should correspond to configuration parameter additions, updates, or deletions identified in Tables 4-1, 4-2, or 4-3. If any changes need to be made to the .CFG files based on this validation, be sure to run mkcfg again to update the parameters. Do **not** manually update the .CFG file.

The other method of validating the files, although labor-intensive, is the only way to verify that the files are synchronized with the parameters in the registry without repopulating the registry, is to run the registry GUI and manually compare .CFG files to the registry values.

___ a) ___ b) **Rename the .CFG files.**

___ b) You will need to rename the .CFG files on all platforms. The normal convention is to rename the xxx.CFG file as xxx.CFG.rgy. To rename the files, perform the following procedures:

- For one file: `mv <filename> <filename>.rgy`
- For multiple files (in c shell):

```
foreach file (*.CFG)↵
mv $file $file.rgy↵
end
```

Installation Notes and Workarounds (continued)

Important Note: The QA Metadata Update Tool .CFG file (EcDsCIQaMetadataUpdate.CFG) must **not** be renamed. The QA Metadata Update Tool cannot use the Registry and therefore will not run unless this file exists. In addition, it is highly recommended that the EcDpPrEM.CFG file not be renamed.

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Appendix A: Test Verification by System Integration and Test (SIT)

A.1 SIT Test Report

6A.04 was installed in the VATC Landover Facility following software turnover on April 23, 2001. Testing included installation checkout, regression testing, and verification of delivered fixed NCRs.

A summary of the 6A.04 activity follows:

NCRs to be Verified - 143

NCRs Verified - 118

NCRs Failed - 2

NCRs to be verified at sites - 25

New NCRs written by Test - 9

Table A-1.1 New NCRs written by Test

Identifier	Subsystem	Severity	State	Location	Description
ECSed30549	DBDM	2	C	VATC	Can'tretrieve info from EcMsAcDAACreguser
ECSed30587	DMS	2	D	PVC	System Error from inventory using quality flag
ECSed30665	DDIST	2	C	VATC	Getting DN mail messages for each acquire
ECSed30680	SDSRV	2	A	VATC	Input granules for MISRlike DPR are not found
ECSed30682	DMS	3	N	VATC	EDG Client is missing 2 spatial PSAs
ECSed30701*	SDSRV	2	V	VATC	Having trouble subsetting second band 8 file
ECSed30723	STMGT	3	N	VATC	Incorrect position specifier in format string
ECSed30745	DMS	3	V	VATC	EDG quality flag search fails
ECSed30787	INGST	3	D	VATC	Ingest request suspended instead of failed

* Verified. To be delivered in TE 6A.04_HDF.01 to all sites.

Table A-1.2 Failed NCRs

Identifier	Subsystem	Severity	State	Location	Description
ECSed27222	STMGT	2	A	EDC DAAC	OPS:5A.05+edse1.02--PullDiskFull error message in DDIST
ECSed28623	SDSRV	2	A	EDC DAAC	SDSRV bounced due to unusual large granule

A.2 Regression Testing

There were four 4-hour ESDIS witnessed regression tests conducted in the VATC. The reports follow:

A.2.1 EDC Regression Test

Scenario Time	Subsystem	Activity	Status
Setup	PDPS	ASTER Production Plan entered and activated: <ul style="list-style-type: none"> • Verify that the tar file has been delivered and is un-tarred • Verify that the Object Description Language (ODL) files are moved to the correct path • Register the PGEs (ACT, ETS, BTS) • Demonstrate that the performance information about the PGE is inserted into the PDPS database • Define the Production Requests • Plan the DPRs • Activate the DPRs 	
Setup	Subscriptions	Place subscriptions: <ul style="list-style-type: none"> • Notification only: AST_08.001 • Notification/Push: DAP.001, GDAS0ZFH.001, OZ_DLYH.001, AST_EXP.001 with qualifier • Notification/8mm: L7CPF.002 • Notification/Pull: MOD14.001 	
Throughout Test	Data Server	Check inserts and make sure that they are archived. Check acquires and make sure that they were distributed correctly Perform Search and Orders using EDG and/or DSS Driver Check SDSRV/STMGT/DDIST GUIs Check the Archive	

Scenario Time	Subsystem	Activity	Status
	Data Server	Delete a non-combined L7 granule	
	Data Server	DsDbMocExt script ended successfully (triggered by L70RWRS ingest)	
	Data Server	Perform L7 Error Handling	
	Data Server	Update metadata (MOD14) using QA MUT (Metadata Update Tool)	
	Data Server	Perform Landsat-7 Floating Scene acquires	Fail ^{4,5}
09:45	Subscription notification	Received subscription notification email for DAP	Pass
09:45	Distribution	Received DAP data file in the push directory (Verified using the Data Distribution Operator GUI and by visual inspection of the push directory)	Pass
09:45	Distribution Notification	Received distribution notification email for DAP	Pass
10:15	PDPS (ACT, ETS, BTS)	ACT, ETS and BTS plan is activated.	Pass
10:16	Ingest	Ingest ASTER OSF (1 AST_POSF granule)	Pass
10:23	Ingest	Ingest AST_L1B from D3 tape (10 AST_L1B granules)	Pass
10:30	Search and Order	Perform Global search for L70RWRS.002 data using the EDG Client	Pass
10:40	Search and Order	Perform Path/Row search for L70RWRS.002 data using the EDG Client	Pass
10:45	Search and Order	Perform FTP Pull order of Landsat-7 data (L70RWRS.002) using EDG Client	Pass
10:46	Ingest	Ingest NOAA data (1 GDAS0ZFH granule) via Distribution Ingest	Pass
10:55	Search and Order	Perform Global Search for L7IGS.001 data using the EDG Client	Pass
10:59	PDPS (ACT, ETS, BTS)	ACT, ETS and BTS DPRs are created in AutoSys	Pass
11:02	Ingest	Ingest NOAA data (1 OZ_DLHY granule) via Distribution Ingest	Pass
11:05	Search and Order	Perform Global Search for L7IGS.001 data using the EDG Client	Pass

Scenario Time	Subsystem	Activity	Status
11:07	Subscription notification	Received subscription notification email for AST_08.001	Pass
11:10	PDPS (ACT, ETS, BTS)	ACT and BTS PGEs complete successfully	Pass
11:15	PDPS (ACT, ETS, BTS)	ETS PGE completes successfully	Pass
11:15	Search and Order	Perform FTP Push order of L7IGS.001 data using the EDG Client.	Pass
11:24	Ingest	Ingest Landsat 7 LPS (2 L70RF1 granules; 12 L70RWRS1 scenes)	Pass
11:40	Search and Order	Perform Global Search for the MODIS data (MOD14.001) using the EDG Client	Pass
11:45	Search and Order	Perform FTP Push order of data (MOD14) using the EDG Client	Pass ³
11:46	Subscription notification	Received subscription notification email for MOD14	Pass
11:46	Ingest	Ingest MODAPS (4 MOD14 granules)	Pass
11:47	Distribution	Received MOD14 data file in the pull directory (Verified using the Data Distribution Operator GUI and by visual inspection of the pull directory)	Pass
11:50	Distribution Notification	Received distribution notification email for MOD14	Pass
12:06	Search and Order	Perform FTP Push order of data (MOD14) using the EDG Client	Pass ³
12:06	PDPS (On-Demand)	Register the BTS On Demand PGE	Pass
12:08	Search and Order	Perform Global Search of data (AST_05) using the EDG Client	Pass
12:08	PDPS (On-Demand)	Insert the AST_L1B granule	Pass
12:10	Search and Order	Perform Global Search of AST_09T.001 using the EDG Client	Pass
12:12	PDPS (On-Demand)	Insert the Tar file	Pass
12:15	Search and Order	Perform FTP Pull order of data (AST_05) using the EDG Client	Pass
12:17	Ingest	Ingest ASTER DEM (3 AST14DEM granules)	Pass

Scenario Time	Subsystem	Activity	Status
12:20	Search and Order	Perform FTP Pull order of AST_09T.001 using the EDG Client	Pass
12:37	Ingest	Ingest AST_L1A from D3 tape (17 AST_L1A granules)	Pass
12:38	PDPS (On-Demand)	Demonstrate that the user can order the ASTER Higher level product (AST_04)	Pass
12:39	PDPS (On-Demand)	PGE execution completes successfully (verified using AutoSys GUI)	Pass
12:40	Search and Order	Perform Spatial Search for AST_L1B.001 using the EDG Client	Pass
12:40	PDPS (On-Demand)	Verify the status of the order (AST_04) using the MSS Order Tracking GUI	Pass
12:48	PDPS (On-Demand)	AST_04 was inserted to the directory specified in the ODFRM via FTP Push	Pass
12:48	PDPS (On-Demand)	Verify that the email notification is sent notifying the user that the order has been placed	Pass
12:50	Search and Order	Perform Path/Row Search for AST_L1B.001 using the EDG Client	Pass
12:55	Ingest	Ingest Landsat 7 LPS (2 L70RF2 granules; 12 L70RWRS2 scenes)	Pass
13:00	Search and Order	Perform Search by Granule ID (AST_L1B) using the EDG Client	Pass
13:05	Search and Order	Perform Temporal Search for the AST_L1B data using the EDG Client	Pass
13:15	Search and Order	Perform Global Search for AST_L1B.001 using the EDG Client	Pass
13:18	Ingest	Ingest ASTER L0 Expedited (AST_EXP)	Pass
13:18	Subscription notification	Received subscription notification email for AST_EXP	Pass
13:19	Distribution	Received AST_EXP data file in the push directory (Verified using the Data Distribution Operator GUI and by visual inspection of the push directory)	Pass
13:20	Distribution Notification	Received distribution notification email for AST_EXP	Pass
13:20	Search and Order	Perform Global Search on Core Metadata Attributes (AST_L1B)	Pass
13:25	Search and Order	Perform Global Search on DAP ID using the EDG Client	Pass

Scenario Time	Subsystem	Activity	Status
13:30	Search and Order	Perform FTP Pull order of DAP using the EDG Client	Pass ²
13:31	Subscription notification	Received subscription notification email for L7CPF.002	Pass
13:31	Ingest	Ingest Landsat 7 IAS (L7CPF)	Pass
13:32	Distribution	Received L7CPF data file in the push directory (Verified using the Data Distribution Operator GUI and by visual inspection of the push directory)	Pass
13:35	Distribution Notification	Received distribution notification email for L7CPF	Pass
13:35	Search and Order	Perform Global Search on Algorithm Package (AP) Version using the EDG Client	Pass
13:40	Search and Order	Perform FTP Pull order of Algorithm Package (AP) using the EDG Client	Pass ²
13:45	Search and Order	Perform Global Search on SSAP Component using the EDG Client	Pass
13:47	Ingest	Ingest SCF DAP (2 DAP granules); Cancel one of these requests	Pass
13:48	Search and Order	Perform FTP Pull order of SSAP Component using the EDG Client	Pass ²
13:55	Search and Order	Perform Integrated Browse of L70RWRS.002 data using the EDG Client	Pass
14:00	Search and Order	Perform FTP Browse of L70RWRS.002 data using the EDG Client	Pass
14:10	Search and Order	Perform Global Search on PSAs (Product Specific Attributes) on L70RWRS.002 data.	Pass
14:15	Search and Order	Perform Global Search on QAs (L70RWRS.002)	Pass
14:24	Ingest	Ingest Landsat 7 IGS (3 L7IGS granules; 54 L7IGSWRS scenes)	Pass
14:30	Search and Order	Perform Global Search on Quality Assurance of MOD06_L2 Short Name using the EDG Client.	Fail ¹
14:45	Search and Order	Perform Global Search on Production History of MOD29 Short Name using the EDG Client (MOD29)	Fail ¹
15:00	Search and Order	Perform Global Search on PGE Executable Tar file using the EDG Client	Pass

Scenario Time	Subsystem	Activity	Status
15:10	Search and Order	Perform FTP Pull order of PGE Executable Tar file using the EDG Client	Pass ²
15:15	Search and Order	Perform Global Search on Failed PGE Production History using the EDG Client	Pass
15:20	Search and Order	Perform FTP Pull order of Failed PGE Production History using the EDG Client	Pass
04/25	Search and Order	Perform FTP Pull order of DAP using the EDG Client	Pass ²
04/25	Search and Order	Perform FTP Pull order of Algorithm Package (AP) using the EDG Client	Pass ²
04/25	Search and Order	Perform FTP Pull order of SSAP Component using the EDG Client	Pass ²
04/25	Search and Order	Perform FTP Pull order of PGE Executable Tar file using the EDG Client	Pass ²

1 – Already existing NCR# 29886 (Sev 2) results in an error when searching for Production History and Quality Assurance by using the Short Name.

2 – Several orders failed due to AMASS problems. They were successfully completed after AMASS was fixed.

3 – The order was put into “Pending” status due to incorrect user privileges. Not a bug. The privileges were corrected and the acquire ran successfully.

4 – Can't Acquire Floating Scene when start scan falls in the overlap interval of 2 scenes. Existing NCR# 30305 (Sev 1)

5 – Couldn't perform Floating Scene acquire when trying to request 5 scenes out of a 33-scene subinterval; order hangs on B82 file. New NCR# 30701 (Sev 2)

A.2.2 GSFC Regression Test

Scenario Time	Subsystem	Activity	Status
Setup	PDPS	DPREP and MODIS Production Plans entered and activated: <ul style="list-style-type: none"> • Verify that the tar file has been delivered and is un-tarred • Verify that the Object Description Language (ODL) files are moved to the correct path • Register the PGEs (DPREP, PGE01, PGE02, PGE03) • Insert the performance information about the PGE into the PDPS database • Define the Production Requests • Plan the DPRs • Activate the DPRs 	
Setup	Subscriptions	Place subscriptions: <ul style="list-style-type: none"> • Notification only: AM1ANC.001, MOD03.001, AST_EXP • Notification/Push: DAP.001, MOD01.001 with qualifier • Notification/Pull: DFLAPCHM • Notification/8mm: ActSched.001 	
Throughout Test	Data Server	Check inserts and make sure that they are archived. Check acquires and make sure that they were distributed correctly Perform Search and Orders using DSS Driver	

Scenario Time	Subsystem	Activity	Status
		Check SDSRV/STMGT/DDIST GUIs Check the Archive	
10:30	PDPS	DPRs are activated	Pass
10:32	Ingest	Ingest FDD Attitude (4 AM1ATTF granules)	Pass
10:40	Search and Order	Perform Path/Row Search on MOD06_L2 data using the EDG Client	Pass
10:47	Subscription Notification	Received subscription notification for MOD03.001	Pass
10:50	Search and Order	Perform Global Search for the MOD29.001 data using the EDG Client	Pass
10:50	Data Server	Update metadata (MOD29) using QA MUT (Metadata Update Tool)	Pass
10:51	Ingest	Ingest AM1 Ancillary (3 AM1ANC granules)	Pass
10:51	Subscription Notification	Received subscription notification for AM1ANC	Pass
11:05	Search and Order	Verify successful FTP Pull order of the MOD29.001 data using the EDG Client	Pass
11:05	PDPS	AM1Eph and FddAtt PGEs complete successfully	Pass
11:10	Search and Order	Perform Spatial Search for the MOD04_L2 data using the EDG Client	Pass
11:15	Data Server	Perform a search order of data using the DSS Driver	Pass
11:21	Ingest	Ingest MODIS L0 date (1 MOD000 granule)	Pass
11:22	Ingest	Ingest ASTER L0 Expedited (1 AST_EXP granule) for Email Parser	Pass
11:25	Data Server	Update metadata (MOD04_L2) using QA MUT (Metadata Update Tool)	Pass

Scenario Time	Subsystem	Activity	Status
11:30	Search and Order	Verify successful FTP Push order of the MOD04_L2 data using the EDG Client	Pass ¹
11:30	Data Server	Restricted Granule Access (MOD04_L2)	Pass
11:35	Ingest	Ingest MODIS L0 Expedited (1 MOD000X granule)	Pass
11:40	Search and Order	Verify successful FTP Push order of the MOD04_L2 data using the EDG Client	Pass ¹
11:40	PDPS	Execution of MODPGE01, MODPGE02 and MODPGE08 completes successfully and is verified through AutoSys	Pass
11:45	Search and Order	Perform Global Search for the DFLAPCHM data using the EDG Client	Pass
11:49	Ingest	Ingest MODAPS Science (4 MOD04_L2 granules)	Pass
11:50	Search and Order	Perform FTP Pull order of the DFLAPCHM data using the EDG Client	Pass ³
11:51	Ingest	Ingest MODAPS Science (4 MOD06_L2 granules)	Pass
11:55	Search and Order	Perform Global Search for the ACR3L2OM.001 data using the EDG Client	Pass
12:00	Search and Order	Perform search by Granule ID (DFLAPCHM) using the EDG Client	Pass
12:05	Search and Order	Verify successful FTP Pull order of ACR3L2OM.001 data using the EDG Client	Pass ¹
12:10	Search and Order	Perform Temporal Search for the DFLAPCHM data using the EDG Client	Pass
12:17	Ingest	Ingest SCF DAP (2 DAP granules); Cancel 1 DAP granule	Pass
12:17	Subscription Notification	Received DAP subscription notification email	Pass
12:18	Distribution	Received DAP granules in appropriate directory	Pass
12:20	Distribution Notification	Received DAP distribution notification email	Pass

Scenario Time	Subsystem	Activity	Status
12:25	Data Server	Restricted Granule Access (MOD29)	Pass
12:25	Search and Order	Perform Global Search on Core Metadata Attributes for MOD04_L2 using the EDG Client	Pass
12:26	Ingest	Ingest EMOS Activity Schedule (1 ActSched granule)	Pass
12:26	Subscription Notification	Received ActSched subscription notification email	Pass
12:26	Distribution	Received ActSched granules in the appropriate directory	Pass
12:30	Distribution Notification	Received ActSched distribution notification email	Pass
12:35	Search and Order	Perform Global Search on QA Attributes for MOD04_L2 using the EDG Client	Fail ⁴
12:40	Search and Order	Verify successful FTP Pull order of the DFLAPCHM data using the EDG Client	Pass ³
12:45	Search and Order	Verify successful FTP Pull order of ACR3L2OM.001 data using the EDG Client	Pass ¹
12:45	Subscription Notification	Received DFLAPCHM subscription notification email	Pass
12:48	Ingest	Ingest MODAPS Browse, QA, PH (2 MOD04_L2 granules, 2 MOD06_L2 granules)	Pass
12:50	Distribution	Received DFLAPCHM granules in the appropriate directory	Pass
12:50	Distribution Notification	Received DFLAPCHM distribution notification email	Pass
12:55	Search and Order	Perform Global Search on PSAs for MOD04_L2 using the EDG Client	Pass
13:02	Ingest	Ingest DAS (1 DFLAXCLD granule, 1 DFLAPCHM granule, 1 DLLAPMOM)	Pass ²

Scenario Time	Subsystem	Activity	Status
		granule)	
13:05	Search and Order	Perform FTP Pull order of SSAP Component using the EDG Client	Pass
13:10	Search and Order	Perform FTP Pull order of PGE Executable Tar file using the EDG Client	Pass
13:15	Search and Order	Perform FTP Pull order of DAP using the EDG Client	Pass
13:16	Ingest	Ingest FDD Orbit (1 AM1EPHF granule)	Pass
13:20	Search and Order	Perform FTP Pull order of Algorithm Package (AP) using the EDG Client	Pass
13:25	Search and Order	Perform FTP Pull order of Failed PGE Production History using the EDG Client	Pass
13:31	Ingest	Ingest NOAA data (1 granule each of REYNSST, OZONEEP, OZ2DAILY, SEA_ICE (SEA_ICEH))	Pass
13:32	Ingest	Ingest NOAA data (1 granule each of OZ_DAILY (OZ_DLYH), FNMOC_ML (FNMOCMLH))	Pass
13:33	Ingest	Ingest NOAA data (1 granule each of GDAS_0ZF (GDAS0ZFH))	Pass
13:35	Data Server	Perform LLBox/Oriented Polygon Search and Order (MOD04_L2)	Pass
13:59	Ingest	Ingest ACRIM (1 ACR3L2OM granule)	Pass
14:35	Data Server	Successfully delete an ACR3L2OM granule	Pass
15:25	Subscription Notification	Received subscription notification for MOD01.001	Pass
15:25	Distribution	MOD01.001 data file and metadata distributed to appropriate directory	Pass
15:30	Distribution Notification	Received MOD01.001 distribution notification	Pass

Scenario Time	Subsystem	Activity	Status
16:06	Distribution Notification	Received EDN (Expedited Data Notification) for Email Parser	Pass
16:20	Distribution	Verify that the FTP'd data file (AST_ESP) for the Email Parser was sent to the FTPDEST directory	Pass
16:26	Distribution Notification	Verify that the EDDN mail message was recorded in the EcMsAsMail-Operation log file for the Email Parser	Pass

1 – The order was put into “Pending” status due to incorrect user privileges. Not a bug. The privileges were corrected and the acquire ran successfully.

2 – Only DFLAXCLD was ingested. DFLAPCHM and DLLAPMOM were not tested. Already existing NCR# 29175 (Sev 2).

3 – This order was suspended because of AMASS problems. AMASS problem was fixed and the order successfully completed.

4 – Searches on QA Attributes failed. New NCR# 30587 (Sev 2).

A.2.3 LaRC Regression Test

Scenario Time	Subsystem	Activity	Status
Setup	PDPS	MISR Production Plan entered and activated: <ul style="list-style-type: none"> • Verify that the tar file has been delivered and is un-tarred • Verify that the Object Description Language (ODL) files are moved to the correct path • Register the PGEs (MISRLIKE) • Insert the performance information about the PGE into the PDPS database • Define the Production Requests • Plan the DPRs • Activate the DPRs 	
Setup	Subscriptions	Place subscriptions: <ul style="list-style-type: none"> • Notification only: VegIdx3.001 • Notification/Push: DAP.001, MOP01 with qualifier • Notification/Pull: MOP00BST • Notification/8mm: g3assp.001 	
Throughout Test	Data Server	Check inserts and make sure that they are archived. Check acquires and make sure that they were distributed correctly Perform Search and Orders using EDG and/or DSS Driver	

Scenario Time	Subsystem	Activity	Status
		Check SDSRV/STMGT/DDIST GUIs Check the Archive	
	PDPS	MISRLIKE PGE execution begins in AutoSys	Fail ¹
	PDPS	Insert AST_04 into the archive	Fail ¹
	PDPS	MISRLIKE PGE completed (Verify the execution of the PGEs through AutoSys)	Fail ¹
10:00	Search and Order	Perform Global Search for the g3assp.001 data using the EDG Client	Pass
10:10	Search and Order	Perform Global Search for the MOP01 data using the EDG Client	Pass
10:15	Search and Order	Perform a search by Granule ID for MIB2GEOP using the EDG Client.	Pass
10:20	Search and Order	Perform Temporal Search for the MIB2GEOP data using the EDG Client	Pass
10:25	Search and Order	Perform a Global Search on QA Attributes (MIB2GEOP) using the EDG Client	Pass
10:30	Search and Order	Perform a Global Search on Core Metadata Attributes (MIB2GEOP.001) using the EDG Client	Pass
10:40	Search and Order	Perform Global Search for the g3aeph.001 data using the EDG Client	Pass
10:45	Data Server	Update metadata (MIB2GEOP) using QA MUT (Metadata Update Tool)	Pass
10:51	Ingest	Ingest NOAA data (1 VegIndx3 granule)	Pass
10:51	Subscription notification	Received subscription notification for VegIndx3.	Pass
11:05	Search and Order	Verify FTP Pull order of MISCALBA data using the EDG Client	Pass
11:13	Ingest	Ingest MISR L0 (1 MISCALBA granule, 1 MISL0DF granule, 1 MISL0SY1 granule)	Pass

Scenario Time	Subsystem	Activity	Status
11:15	Search and Order	Perform Global Search for the MOP01 data using the EDG Client	Pass
11:15	Data Server	Perform a search order of data using the DSS Driver	Pass
11:22	Ingest	Ingest AM1 Ancillary (1 AM1ANC granule)	Pass
11:30	Data Server	Successfully delete a VegIndx3 granule using the EcDsGranuleDelete script.	Pass
11:36	Ingest	Ingest NOAA data (1 Veglxch1 granule)	Pass
11:36	Ingest	Ingest MISR L0 Expedited (1 MISL0DFX granule, 1 MISCALBAX granule, 1 MISLOS1X granule)	Pass
11:37	Ingest	Ingest MOPITT L0 Expedited (1 MOP00BSX granule, 1 MOP00ENX granule)	Pass
11:51	Ingest	Ingest NOAA data (1 Veglxch2 granule)	Pass
11:52	Ingest	Ingest ACRIM data (1 ACR3L2OM granule)	Pass
12:07	Ingest	Ingest NOAA data (1 Veglxch4 granule)	Pass
12:07	Ingest	Ingest MOPITT L0 (1 MOP00BST granule, 1 MOP00ENG granule)	Pass
12:07	Subscription notification	Received subscription notification for MOP00BST.	Pass
12:08	Distribution	Verify that MOP00BST was distributed using the Data Distribution Operator GUI and a listing of the "pull" directory.	Pass
12:10	Distribution Notification	Received Distribution Notification email for MOP00BST.	Pass
12:21	Ingest	Ingest NOAA data (1 Veglxch5 granule)	Pass
12:30	Search and Order	Verify FTP Push order of MOP01.001 data using the EDG Client	Pass ²

Scenario Time	Subsystem	Activity	Status
12:36	Ingest	Ingest SCF DAP (2 DAP granules); Cancel one request	Pass
12:36	Subscription notification	Received subscription notification for DAP.	Pass
12:38	Distribution	Verify that DAP was distributed using the Data Distribution Operator GUI and a listing of the "push" directory.	Pass
12:38	Ingest	Ingest NOAA data (1 VeglxPWI granule)	Pass
12:40	Search and Order	Perform Global Search for the ACR3L2OM.001 data using the EDG Client	Pass
12:40	Distribution Notification	Received Distribution Notification email for DAP.	Pass
12:45	Search and Order	Verify FTP Pull order of ACR3L2OM.001 data using the EDG Client	Pass
12:52	Ingest	Ingest NOAA data (VeglxQCD)	Pass
13:00	Search and Order	Perform Spatial Search for the MOP01 data using the EDG Client	Pass
13:07	Ingest	Ingest NOAA data (VeglxSZA)	Pass
13:11	Distribution	Verify that MOP01 was distributed using the Data Distribution Operator GUI and a listing of the "push" directory.	Pass
13:11	Ingest	Ingest MOPITT Science (4 MOP01 granules, 4 MOP02 granules)	Pass
13:11	Subscription notification	Received subscription notification for MOP01.	Pass
13:15	Search and Order	Perform Path/Row Search for the MIB2GEOP data using the EDG Client	Pass
13:15	Distribution Notification	Received the Distribution Notification for MOP01.	Pass

Scenario Time	Subsystem	Activity	Status
13:21	Ingest	Ingest SAGEIII MOC (1 granule each: g3aeph, g3aephh)	Pass
13:21	Ingest	Ingest SAGEIII MOC (1 granule each: g3aexp, g3aexph)	Pass
13:23	Ingest	Ingest NOAA data (1 VeglxScA granule)	Pass
13:30	Search and Order	Perform Path/Orbit Number for the MIB2GEOP data using the EDG Client	Pass
13:45	Search and Order	Perform Global Search for the ACR3L2OM data using the EDG Client	Pass
13:50	Data Server	Update metadata (MOP01) using QA MUT (Metadata Update Tool)	Pass
13:54	Ingest	Ingest MOPITT Br, QA, PH (2 MOP01 granules, 2 MOP02 granules)	Pass
14:00	Search and Order	Perform Global Search for the MOP01 data using the EDG Client	Pass
14:15	Search and Order	Verify FTP Pull order of MOP01.001 data using the EDG Client	Pass
14:21	Ingest	Ingest SAGE III SCF (1 g3assp granule)	Pass
14:21	Subscription notification	Received subscription notification for g3assp.001.	Pass
14:22	Distribution	Verify that one granule of g3assp was distributed via FTP Push using the Data Distribution Operator GUI.	Pass
14:25	Search and Order	Verify FTP Push order of MOP01.001 data using the EDG Client	Pass ²
14:25	Distribution notification	Received distribution notification for g3assp.001.	Pass
04/27	Search and Order	Perform a Global Search on PSAs using the EDG Client	Pass ³

1 – MISR PGEs did not run. Development also had problem, and they wrote new NCR# 30680 (Sev 1)

2 – The order was put into “Pending” status due to incorrect user privileges. Not a bug. The privileges were corrected and the acquire ran successfully.

3 – No spatial information was displayed on the EDG Client for SP_AM_MISR_EndBlock and SP_AM_MISR_StartBlock. New NCR# 30682 (Sev 3)

A.2.4 NSIDC Regression Test

Scenario Time	Subsystem	Activity	Status
Setup	Subscriptions	Place subscriptions: <ul style="list-style-type: none"> • Notification only: NISE • Notification/Push: MOD29P1N, AE_L2A • Notification/Pull: AMSR-L1A with qualifier • Notification/8mm: MOD10A2 	
Throughout Test	Data Server	Check inserts and make sure that they are archived. Check acquires and make sure that they were distributed correctly Perform Search and Orders using EDG and/or DSS Driver Check SDSRV/STMGT/DDIST GUIs Check the Archive	
09:40	Ingest	Ingest AMSR data (4 granules each of AMSR-L1A and AE_L2A)	Pass
09:40	Subscription notification	Received subscription email notification for AE_L2A	Pass
09:40	Distribution	Received AE_L2A data file in the push directory (Verified using the Data Distribution Operator GUI and by visual inspection of the push directory)	Pass
09:45	Distribution Notification	Received distribution notification email for AE_L2A	Pass

Scenario Time	Subsystem	Activity	Status
09:52	Subscription notification	Received subscription email notification for MOD10A2	Pass
09:52	Ingest	Ingest MODAPS data (2 granules of MOD10A1, MOD10A2 and MOD10_L2)	Pass
09:52	Distribution	Received MOD10A2 data file in the push directory (Verified using the Data Distribution Operator GUI and by visual inspection of the push directory)	Pass
09:55	Distribution Notification	Received distribution notification email for MOD10A2	Pass
	Search and Order	Perform Global Search of AMSR-L1A data using the EDG Client	Pass
10:02	Ingest	Ingest MODAPS data (3 granules of MOD29, MOD29P1N and MOD29P1D)	
10:01	Subscription notification	Received subscription email notification for MOD29P1N	Pass
10:02	Distribution	Received MOD29P1N data file in the push directory (Verified using the Data Distribution Operator GUI and by visual inspection of the push directory)	Pass
10:05	Distribution Notification	Received distribution notification email for MOD29P1N	Pass
	Search and Order	Perform FTP Pull order of AMSR-L1A data using the EDG Client	
	Search and Order	Perform Search by Granule ID (AMSR-L1A) using the EDG Client	
	Search and Order	Perform Global search on MOD29 data using the EDG Client	
10:31	Subscription notification	Received subscription email notification for NISE	Pass
10:22	Ingest	Ingest AMSR data (4 granules of AMSR-L1A and AE_L2A)	Pass

Scenario Time	Subsystem	Activity	Status
	Search and Order	Perform Temporal Search on MOD29 using the EDG Client	
	Data Server	Acquire AMSR-L1A data via FTP Pull using the DSS Driver	
10:31	Ingest	Ingest NISE data (2 granules of NISE); Cancel 1 NISE granule	Pass
	Search and Order	Perform Global Search on QAs for MOD29 using the EDG Client	Fail ¹
10:42	Ingest	Ingest MODAPS data (2 granules of MOD10A1, MOD10A2 and MOD10_L2)	Pass
	Search and Order	Perform Global Search for MOD29 on Core Metadata Attributes	
11:02	Ingest	Ingest MODAPS data (3 granules of MOD29, MOD29P1N and MOD29P1D)	Pass
	Search and Order	Perform Spatial search on MOD29 data using the EDG Client	
11:13	Ingest	Ingest AMSR data (4 granules of AMSR-L1A and AE_L2A)	Pass
	Search and Order	Perform FTP Pull Acquire of data (MOD29) using the EDG Client	
11:32	Ingest	Ingest MODAPS data (2 granules of MOD10A1, MOD10A2 and MOD10_L2)	Pass
	Search and Order	Perform Global Search of MOD10_L2 data using the EDG Client	
	Search and Order	Perform Global Search of MOD10_L2 data using the EDG Client	
12:04	Ingest	Ingest MODAPS data (3 granules of MOD29, MOD29P1N and MOD29P1D)	Pass
12:04	Ingest	Ingest AMSR data (4 granules of AMSR-L1A and AE_L2A)	Pass
12:23	Ingest	Ingest MODAPS data (2 granules of MOD10A1, MOD10A2 and MOD10_L2)	Pass
	Search and Order	Perform Global Search for the MODIS data (MOD10A1) using the EDG Client	
	Search and Order	Perform FTP Pull order of MOD10A1 data using the EDG Client	

Scenario Time	Subsystem	Activity	Status
	Search and Order	Perform Path/Row Search on MODIS data (MOD29.001) using the EDG Client	
	Search and Order	Perform FTP Pull order of MOD29 data using the EDG Client	
12:54	Ingest	Ingest AMSR data (4 granules of AMSR-L1A and AE_L2A)	Pass
13:01	Ingest	Ingest MODAPS data (3 granules of MOD29, MOD29P1N and MOD29P1D)	Pass
	Search and Order	Perform FTP Push order of MOD29 data using the EDG Client	
	Search and Order	Perform Search by Granule ID (MOD10A1) using the EDG Client	
13:11	Ingest	Ingest MODAPS data (2 granules of MOD10A1, MOD10A2 and MOD10_L2)	Pass
	Search and Order	Perform FTP Pull order of MOD10A1 data using the EDG Client	
	Search and Order	Perform Search by Granule ID (MOD10_L2) using the EDG Client	
	Search and Order	Perform FTP Push order of MOD10_L2 data using the EDG Client	
	Search and Order	Perform Global Search on PSAs (MOD10_L2)	
12:53	Subscription notification	Received subscription email notification for AMSR-L1A	Pass
12:53	Distribution	Received AMSR-L1A data file in the pull directory (Verified using the Data Distribution Operator GUI and by visual inspection of the pull directory)	Pass
12:55	Distribution Notification	Received distribution notification email for MOD29P1N	Pass

1 - Searches on QA Attributes failed. New NCR# 30745 (Sev 3).

A.2.5 PVC Regression Test

The PVC was used to perform stability testing of 6A04. The approach was to use the existing 6A workload tests and run abbreviated passes of the two scenarios to assess stability of the 6A04 delivered system under realistic loading conditions. The scenarios were run for 12 hours each, creating a heavy load environment for evaluating stability.

Stability of the release is indicated by frequency of core dump problems and any other problems encountered which affect ability to maintain workload specified performance rates.

PVC System Configuration

The PVC was running 6A04 on both SUN and SGI hosts.

Test executables loaded:

For the EDC load run, the following TE's were installed:

Archive Migration

L7 DLL update

GSFC Regression Run 04/27/2001

The GSFC run encompassed ingest, processing, search, browse, order, and distribution. The test consisted of running the existing GSFC scenario procedures with a test duration of 12 hours.

The Bulk Metadata Generator tool (BMGT) was run concurrently with the GSFC regression test to measure BMGT impact on system throughput. BMGT has little impact on system throughput.

The GSFC load applied is summarized in Table 1.

Significant events encountered during the run are described in Table 3.

EDC Regression Run 05/02/2001

The EDC run likewise consisted of running the existing EDC scenario procedures for 12 hours. ASTER routine processing was configured to execute from existing archived ASTER L1B granules in order to establish the processing load earlier in the run.

The Archive Migration of Landsat-7 data was performed during the EDC regression test. While no functional problem were observed archive access was degraded (as expected), because the PVC has only three 9940 drives on each silo.

The EDC load applied is summarized in Table 2.

Significant events encountered during the run are described in Table 3.

NCR Verification

Table 4 identifies the PVC generated NCRs verified since the Formal runs.

CONCLUSION

The following observations will be of particular interest to the DAACs:

- The AMASS FNODE exhaustion situation was encountered momentarily during the GSFC run. The condition lasted for only a few seconds and worked itself out without intervention.
- SYBASE deadlocks were encountered while running the Granule Deletion function. This causes the script to abort with a clear message identifying the cause. When this happens, just run the script again and it picks up where it left off.

The PVC regression runs established that the final released 6A04 system stability has not been compromised by any late merges after the formal PVC Performance Tests.

The thread tuning parameters are shown in Table 5 for reference by the DAACs. We suggest this as a starting point, with eventual fine-tuning for each site. Note that setting FTP server threads higher than 20 may cause the server to die without a core file.

Table 1 GSFC STABILITY LOAD on 4/27/2001

GSFC 12 HOUR STABILITY UNDER LOAD TEST		24 hr Requirement		12 hr Goal		Actual		% of Goal Achieved		
		Data Type	Granules or DPRs	Vol (GB)	Granules or DPRs	Vol (GB)	Granules or DPRs	Vol (GB)	Granules or DPRs	Volume
INGEST										
A.2.2(a)	MODIS Terra & Aqua Level 0 Ingest	MOD000	15	98	7.5	49	9	55	120%	113%
		MODPML0	15	98	7.5	49	11	67	147%	137%
A.2.2(b)	MODIS Terra & Aqua EDOS Ancillary Data	AM1ANC	15	<1	7.5	<1	12	<1	160%	100%
		PMCOGBAD	45	<1	22.5	<1	35	<1	156%	100%
		PM1EPHD	1	<1	0.5	<1	1	<1	200%	100%
A.2.2(c)	MODIS Terra & Aqua Attitude Data	AM1ATTF	15	<1	7.5	<1	12	<1	160%	100%
		PM1EPHP	1	<1	0.5	<1	3	<1	600%	100%
A.2.2(d)	MODIS Expedited Data	MOD000X	39	2	19.5	1	39	3.5	200%	368%
		MODPML0X	39	2	19.5	1	35	2.8	179%	295%
A.2.2(e)	ASTER Expedited Data	AST0V1S	39	2	19.5	1	27	1.5	138%	136%
A.2.2(f)	Ancillary Data from Larry	GDAS_0ZF	6	<1	3	<1	12	<1	400%	100%
		FNMOCL	2	<1	1	<1	2	<1	200%	100%
		SEA_ICE	2	<1	1	<1	2	<1	200%	100%
A.2.2(g)	DAO Data	MISC	24	2	12	1	24	1.6	200%	160%
A.2.2(h)	MODAPS Science Products	MISC	3,768	146	1884	73	2,518	97	134%	133%
A.2.2(i)	MODAPS Browse Products	BROWSE	1,032	<1	516	<1	592	<1	115%	100%
A.2.2(j)	MODAPS QA Products	QA	480	<1	240	<1	288	<1	120%	100%
A.2.2(k)	MODAPS PH Products	PH	3768	<1	1884	<1	2,518	<1	134%	100%
A.2.2(l)	AIRS Level 0 Data	MISC	245	15.6	122.5	8	140	15.9	114%	204%
A.2.2(m)	AIRS Level 0 Expedited Data	MISC	117	1.5	58.5	1	71	1	121%	133%
Total Ingest			9,668	366	4,834	183	6,351	245	131%	134%
PRODUCTION										
A.2.3(a)	DPREP Production for Terra & Aqua	DPREP	37		13		51		394%	
A.2.3(b)	MODIS L1A Production for Terra & Aqua	PGE01	288		101		131		130%	
A.2.3(c)	MODIS L1B Production for Terra & Aqua	PGE02	864		302		370		122%	
A.2.3(d)	MODIS Cloud Mask Production for Terra & Aqua	PGE03	864		302		358		118%	
A.2.3(e)	AIRS/AMSU/HSB Production	MISC	332		116		33		28%	
Total Production			2,385		835		943		113%	
DISTRIBUTION										
A.2.5	Distribution	MODAPS	5,040	761	1,991	301	1,713	475	86%	158%
		EDC	39	2.4	15	1	26	1.5	169%	157%
		GDS	39	2.4	15	1	27	2	175%	167%
		PDS	2,679	521	1,058	206	1,777	345	168%	168%
		MTM	98	16.9	39	7	43	7	111%	111%
		User Sub	720	255	284	101	242	86	85%	85%
		EDG (FtpPull)	1,344	252	531	99	504	95	95%	96%
Total Distribution			9,959	1,810	3,934	715	4,332	1,011	110%	141%
DATA ACCESS/DELETION										
Search via EDG (45/hr)			1080		540		423		78%	
Browse via EDG (19/hr)			456		228		337		148%	
Deleted Science granules			5476		1807.08		1452		80%	
Deleted Browse granules			516		170.28		337		198%	
Deleted PH granules			2388		788.04		1452		184%	
Deleted QA granules			240		79.2		172		217%	
Total Granules Deleted			8620		2844.6		3413		120%	

Table 2 EDC STABILITY LOAD on 05/2/2001

EDC 12 hour	Data Type	Requirement		Goal*		Actual		% of Goal Achieved	
		Granules or DPRs	Vol (GB)	Granules or DPRs	Vol (GB)	Granules or DPRs	Vol (GB)	Granules or DPRs	Volume
INGEST									
A.3.2(a) ASTER L1B	ASTL1B	372	47	140	18	606	75	434%	426%
A.3.2(b) ASTER L1A	ASTL1A	937	116	351	44	263	30	75%	69%
A.3.2(c) Larry ancillary Data (OZ-daily, SEA_ICE, GDAS-OZF)		11	<1	4	<1	12	<1	291%	100%
A.3.2(d) ASTER L0 expedited	AST0V1S	39	<3	15	<3	27	4.0	185%	100%
A.3.2(e) L70R (F1&F2) 336 scenes	L70R	84		32	0	56	113	178%	
A.3.2(g) IGS scene metadata	scenes	345	<1	129	<1	305	<1	236%	100%
A.3.2(h) MODIS high level	MODxx	7,745	386	2904	145	2,995	157	103%	109%
A.3.2(i) MODAPS Browse Products	BROWSE	1,920	<1	720	<1	742	<1	103%	100%
A.3.2(j) MODAPS QA Products	QA	960	<1	360	<1	480	<1	133%	100%
Total Ingest		12,413	549	4655	206	5,486	379	118%	184%
PRODUCTION									
PGE									
A.3.3(a) ASTER routine DST	PGE02	372		186		372		200%	
A.3.3(b,c) on demand for AST_07,AST_09	ACVS	150		75		95		127%	
A.3.3(d) on demand for AST_09T	ACT	75		38		40		107%	
A.3.3(e,f) on demand for AST_05, AST_08	ETS	150		75		88		117%	
A.3.3(g) on demand for AST_04	BTS	75		38		48		128%	
Total Production		822		411		643		156%	
DISTRIBUTION									
A.3.5 Distribution	PDS	2,430	243	1,094	109	2,625	484	240%	443%
	push ASTL1B	372	47	167	21	606	75	362%	356%
	push MODIS	1,360	136	612	61	902	118	147%	193%
	pull AST9_7V	75	40	34	18	35	9.6	104%	53%
	pull AST09T	75	1.0	34	0	18	0	53%	56%
	pull AST05_08	75	0.9	34	0	10	0	30%	13%
	pull AST04	75	0.5	34	0	14	0	41%	42%
	pull ASTL1B	5	4.4	2	2	2	1.8	89%	91%
	pull L70RWR	90	45.0	41	20	34	17.4	84%	86%
Total Distribution		4,462	468	2,051	233	4,210	687	205%	295%
DATA ACCESS/DELETION									
Search via EDG (45/hr)		1080		540		244		45%	
Browse via EDG (19/hr)		456		228		342		150%	
Delete Science granules		5517		1821		2448		134%	
Delete Browse granules		960		317		624		197%	
Delete PH granules		1943		641		2948		460%	
Delete QA granules		480		158		309		195%	
Total Granules Deleted		8900		2937		6329		215%	

Table 3 SIGNIFICANT EVENTS

EVENT	NCR NUMBER	WHEN	COMMENTS
SDSRV core	30697	GSFC dry run 4/26	Restarted, no complications
V0gateway core		GSFC dry run 4/26	Caused by sdsrv core
Archive server core	30679	GSFC regression 4/27	Restarted, no complications
Dist server core	30675	GSFC regression 4/27	Restarted, no complications
Trouble activating	30672	GSFC regression 4/27	Sev 3, retry until activate succeeds
AIRS dprep not triggered	30676	GSFC regression 4/27	
STMGT GUI can't access StagingDisk Parameters	30704	EDC regression 5/1	
Dist failed "Insert Link Entry" error	30737	EDC regression 5/1	Post PSR concern. This is related to having multiple granule- ID linking to only one granule in SDSRV database.
Cache Manager core p0drg01	30706	EDC regression 5/1	Restarted, no complications
OD form needs debug=0	30707	EDC regression 5/1	Don't change debug level
EcDsDeletion Cleanup.pl frequent deadlock situation	30176	EDC regression 5/2	Sev 2, retried and script ran successfully.
STMGT GUI residual file can not be removed	30710	EDC regression 5/2	Sev 3
Three hours of EBnet network problem	NA	EDC regression 5/2	The entire EDG search, browse, and order scenarios were stopped for three hours.

Table 4 NCRs Verified

Identifier	Project	Status	Verified_on	Severity	Headline
ECSed30333	RelB0_STMG	C	010409	1	PVC Landsat Ingest failures of "large" granules
ECSed28951	RelB0_STMG	C	010502	2	Storage Management GUI has bad memory leak
ECSed29424	RelB0_STMG	C	010410	2	EcDsStRequestManagerServer hangs
ECSed29601	RelB0_IDG	C	010501	2	Pf Config file causes core dump when queryRegistry fails
ECSed30329	RelB0_STMG	C	010416	2	L7ORWRS DDIST Req. suspended, fails to resume.
ECSed30356	RelB0_PLS	C	010502	2	The notification queue performance still needs improvement.
ECSed30360	RelB0_SDSRV	C	010409	2	Ingest hang on metadata validation
ECSed30367	RelB0_PLS	C	010416	2	SubMgr processes notifications alphabetically when it is restarted
ECSed30572	RelB0_DPS	C	010423	2	Job Management overwrites DpPrClassSchedulingLimits values
ECSed30599	RelB0_DDIST	C	010503	2	DsDd Archive tables too restrictive
ECSed30630	RelB0_STMG	C	010502	2	EcTsDsClientDriver missing library in install.
ECSed30631	RelB0_STMG	C	010502	2	StmgtGui missing library
ECSed29096	RelB0_INGST	C	010417	3	Change the IngestFtpKey from "ACM1_" to "NONE_"
ECSed29551	RelB0_DDIST	C	010410	3	EcDsdistGui core dumps when resuming a job.
ECSed29686	RelB0_SDSRV	C	010423	3	SDSRV GUI very slow response when the SDSRV has backed up load in queue
ECSed30261	RelB0_IDG	C	010409	3	EcInGranule Server core dumped on SDSRV connection DCE pthread
ECSed30368	RelB0_DPS	C	010426	3	# of scheduled DPRs/machine (numScheduled) in DpPrPgeLimits Incorrect
ECSed30737	RelB0_STMG	V	010514	2	SDisk::Link failed post Archive::Reteive
ECSed30744	RelB0_DMS	V	010514	2	SDSRV core during GSFC regression test in PVC in DsStArchive
ECSed30634	RelB0_STMG	V	010514	3	Load latest Archive Migration scripts onto the baseline.

Table 5 PVC SETTINGS FOR TUNABLES

TUNABLES								
STMGT								
	Total	Low	Normal	High	V-High	Express	Block Sz	Blk Count
ST Req Mgr (dis02)(listen=200)	80	50	10	10	10	0	4M	
Archive svrACM1(acg05)service	30	10	0	10	10	0	4M	
Archive svrACM1(acg05)read	30	10	0	10	10	0	4M	
Archive svrACM1(acg05)write	30	10	0	10	10	0	4M	
Archive svrDRP1(drg04)service	50	50	0	0	0	0	4M	
Archive svrDRP1(drg04)read	10	10	0	0	0	0	4M	
Archive svrDRP1(drg04)write	100	10	0	70	20	0	4M	
Archive svrDRP2(drg01)service	50	30	0	10	10	0	4M	
Archive svrDRP2(drg01)read	30	10	0	10	10	0	4M	
Archive svrDRP2(drg01)write	50	30	0	10	10	0	4M	
Staging Disk svr ACM1(acg05)	10	10	0	0	0	0	2048	146M
Staging Disk svr DRP1(drg04)	10	10	0	0	0	0	2048	79M
Staging Disk svr DRP2(drg01)	10	10	0	0	0	0	2048	48M
Staging Disk svr ICL(icg01)	10	10	0	0	0	0	2048	33M
Pull Monitor svrr(acg05)								
Cache Mgr svrr ACM1(acg05)	50	5	15	15	10	5	1024	167M
Cache Mgr svrr DRP1(drg04)	150	70	30	40	5	5	1024	237M
Cache Mgr svrr DRP2(drg01)	150	70	30	40	5	5	1024	237M
Cache Mgr svrr PULL(acg05)	50	5	15	15	10	5	2048	137M
FTP Server DRP1(drg04)	20	20	0	0	0	0	4M	5000
FTP Server DRP2(drg01)	20	20	0	0	0	0	4M	5000
FTP Server ICL (icg01)	20	20	0	0	0	0	4M	5000
FTP Server NONE(acg05)	20	20	0	0	0	0	4M	5000
FTP Server WKS(wkg01)	20	20	0	0	0	0	4M	5000
DDIST								
dist svrr (dis02)	Listen Thread=80	28	128	64	5	2	total	227
	Max threads=228							
SDSRV								
	Listen threads=140							
INGEST								
		Threads						
	InGran	10	all others					
	InGran0	5	MODIS					
	InGran1	5	MODAPS					

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Appendix B. Database Change Document

ECS Database Changes

The below information identifies database related changes from Drop <5B.07> to the current Drop <6A.04>. Please review the changes and verify that the changes have been properly implemented after the database build or patch script(s) have been executed.

Subsystem: CLS – Not Applicable

Subsystem: DM

Table Changes

Table	Column	Change ³	Old Format	New Format	Comments
NONE					

Trigger Changes

Trigger	TriggerType ¹	Table	Change ²	Comments
NONE				

Stored Procedure Changes

Stored Procedure	Change ²	Comments

Stored Procedure	Change ²	Comments
NONE		

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments
NONE			

Index Changes

Index	Table	Index Type ³	Change ²	Comments
NONE				

View Changes

View	Change ²	Comments
NONE		

Data Changes

Data	Change ²	Comments
NONE		

Tables exempt from Checksum
NONE

Subsystem: INGEST

Table Changes

Table	Column	Change²	Old Format	New Format	Comments
InMediaType	StackReq	delete	3 rows	2 rows	
InMediaType	StackSlotReq	delete	3 rows	2 rows	
InMediaType	See data changes				
InCurrentDataType Map	See data changes				
InDataTypeTemplate	See data changes				

Trigger Changes

Trigger	TriggerType¹	Table	Change²	Comments
NONE				

Stored Procedure Changes

Stored Procedure	Change²	Comments
NONE		

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments
NONE			

Index Changes

Index	Table	Index Type ³	Change ²	Comments
NONE				

View Changes

View	Change ²	Comments
NONE		

Data Changes

Data	Change 2	Comments
8mm Tape	add	Added to InMediaType (1 row)
D3 Tape	add	Added to InMediaType (1 row)
AE_PMSCX, AMSREL1A	delete	Deleted from InCurrentDataTypeMap (2 row)
AE_PMSCX, AMSREL1A	delete	Deleted from InDataTypeTemplate (2 row)
GLA0CHT5, GLA0DTYP, GLA0EVNT, GLA0LST1, GLA0LST2, GLAANC08, GLAANC09, GLAANC24, GLAANC25, MOD29P1D, MOD29P1N	add	Added to InCurrentDataTypeMap (11 rows)
GLA0CHT5, GLA0DTYP, GLA0EVNT, GLA0LST1, GLA0LST2, GLAANC08, GLAANC09, GLAANC24, GLAANC25,	add	Added to InDataTypeTemplate (9 rows)
ACR3EPH, ACR3LO, ACR3L2DM,	Modify	Changed IngestFtpKey from “ACM1_” to “NONE_” in the InDataTypeTemplate table (70 rows)

Data	Change	Comments
ACR3L2OM, ACR3L2SC, Browse, CER00, CER00AA, CER00AAX, CER00AF, CER00AFX, CERCALAA, CERCALAF, CERCLAAX, CERCLAFX, CERDIAA, CERDIAAX, CERDIAF, CERDIAFX, DAP, FNMOCMLH, FNMOC_ML, GDAS0ZFH, GDAS_0ZF, ISCCPGE2, ISCCPGMS, ISCCP_GE, ISCCP_MS, MOD00, MOD000, MOD000X, MOD00X, MOP01, MOP01ES, MOP01QE, MOP02, MOP02B, MOP02Q, MOPCH, MRF, MRF_H, NCEP01, NCEP01N, NCEP02, NCEP04, NCEPICEH, OZ2DAILY, OZONEADES,OZONE EP, OZON_SB, OZ_DAILY,	2	

Data	Change	Comments
OZ_DLYH, OZ_TOVS, PH, PREPQC, QA, SEA_ICE, SEA_ICEH, SHBU_OBS, SNOWICEH, SNOWICEN, VegIndx3, VegIxPWI, VegIxQCD, VegIxSZA, VegIxScA, VegIxch1, VegIxch2, VegIxch4, VegIxch5, WKAERSOL, g3aeph, g3aexp	2	
MOD29P1D, MOD29P1N	add	Added to InCurrentDataTypeMap (2 rows)
MOD29P1D, MOD29P1N	add	Added to InDataTypeTemplate (2 rows)
MOP01, MOP02	add	Added with VersionId of “002” and IngestFtpKey “ICL1_” for InDataTypeTemplate table (2 rows)
AMSR-L1A	Modify	Modify from AMSR_L1A to AMSR-L1A in InCurrentDataTypeMap and InDataTypeTemplate table
DAO ESDTS	Add	Added version 2 for all DAO ESDTS (13 rows)
MODIS ESDTS	Add	Added Version 3 for all MODIS ESDT. 40 rows added in InCurrentDataTypeMap and InDataTypeTemplate table.
MODIS ESDTS	Modify	Updated 125 rows in InCurrentDataTypeMap and InDataTypeTemplate table with versionId 003.
DLLAPCHM, DLLAPCLD,	Add	Added version 002 for all these ESDT to InDataTypeTemplate table and updated the VersionId to 002 all these ESDT to

Data	Change	Comments
DLLAPMIS, DLLAPMOM, DLLAPMST, DLLAPTMP, DLLAPTRP, DLLAXCLD, DLLAXENG, DLLAXLSM, DLLAXMIS, DLLAXSTR	2	InCurrentDataTypeMap table. (13 rows)
MODAPS_TERRA_FP ROC, MODAPS_TERRA_RP ROC, MODAPS_AQUA_FPR OC, MODAPS_AQUA_RPR OC	Add	Added to InExternalDataProviderInfo table.

Subsystem: IOS

Table Changes

Table	Column	Change ²	Old Format	New Format	Comments
NONE					

Trigger Changes

Trigger	TriggerType ¹	Table	Change ²	Comments
NONE				

Stored Procedure Changes

Stored Procedure	Change ²	Comments
NONE		

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments
NONE			

Index Changes

Index	Table	Index Type ³	Change ²	Comments
NONE				

View Changes

View	Change ²	Comments
NONE		

Data Changes

Data	Change ²	Comments
NONE		

Tables exempt from Checksum
NONE

Subsystem: MSS

Check for the following changes on the mss_acct_db_<DROP> database.

Table Changes

TABLE	COLUMN	CHANGE ²	OLD FORMAT	NEW FORMAT	COMMENTS
EcAcOrder	darExpirationDateTi me	Added		datetime	
EcAcOrder	darId	Added		Varchar(15)	
EcAcOrder	externalRequestId	Added		Varchar(50)	
EcAcOrder	orderStatus	Modify	Varchar(22)	Varchar(30)	
EcAcOrder	rpclId	Added		Char(250)	
EcAcOrder	StandingOrderId	Added		Varchar(10)	
EcAcRequest	mediaQuantity	Added		Numeric(3)	Verify the replication definition file EcAcRequest_ref_<DAAC>_<RV_ID> to make sure this column had been added.
EcAcRequest	requestStatus	Modify	Varchar(22)	Varchar(30)	
EcAcRequest	standingRequestId	Added		Varchar(10)	Verify the replication definition file EcAcRequest_ref_<DAAC>_<RV_ID> to make sure this column had been added.
EcAcRequest	NumBytes	Modify	Float with prec 16	Float	

Trigger Changes

Trigger	Trigger Type ¹	Table	Change ²	Comments
None				

Stored Procedure Changes

Stored Procedure	Change ²	Comments
None		

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments
None			

Index Changes

Index	Table	Index Type ³	Change ²	Comments
None				

View Changes

View	Change ²	Comments
NONE		

Data Changes

Data	Change ²	Comments
None		

Tables exempt from Checksum
NONE

Subsystem: PDPS

Table Changes

Table	Column	Change ²	Old Format	New Format	Comments
PINotification	insertTime	Add			
DpPrPgePromotion	InsertTime	Add			

Trigger Changes

Trigger	TriggerType ¹	Table	Change ²	Comments
None				

Stored Procedure Changes

Stored Procedure	Change ²	Comments
ProcFindPrimaryInput	Modify	
Construct_DprGransToDelete	Modify	
Construct_DprGransToDeleteDP R	Modify	
ProcGetGranNoLookAhead	Remove	
ProcGetDeletableGranules	Modify	
ProcSetMaxDprs	Modify	
ProcSetMinDprs	Modify	

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments
PIMetadataChecks	Primary Key	Modify	Add logicalld column as part of the primary key

Index Changes

Index	Table	Index Type ³	Change ²	Comments
NONE				

View Changes

View	Change ²	Comments
NONE		

Data Changes

Data	Change ²	Comments
NONE		

Tables exempt from Checksum
NONE

Subsystem: Registry

Table Changes

Table	Column	Change ²	Old Format	New Format	Comments
NONE					

Subsystem: SDSRV

Table Changes

Table	Column	Change ²	Old Format	New Format	Comments
DsMdClBoundingRectangle_R		Remove			
DsMdGrBoundingRectangle_R		Remove			
DsMdDeletedGranules		Add			
DsMdStagingTable		Add			
DsGeESDTConfiguredType	archiveIdentifier, backupIdentifier, offsiteIdentifier	Remove			
DsMdAncillaryInput	sequenceNumber	Add			
DsMdGrStringInfoContent	sequenceNumber	Add			
DsMdDAP	deleteEffectiveDate	Add			

Table	Column	Change ²	Old Format	New Format	Comments
DsMdSSAPComponent	deleteEffectiveDate	Add			

Trigger Changes

Trigger	TriggerType ¹	Table	Change ²	Comments
TrigDelBoundingRectangle	Delete	DsMdGrBoundingRectangle	Remove	
TrigDelClBoundingRectangle	Delete	DsMdClBoundingRectangle	Remove	
TrigUpdDictionaryAttribute	Update	DsDeDictionaryAttribute	Modify	
TrigInsGranules	Insert	DsMdGranules	Modify	
TrigUpdGranules	Update	DsMdGranules	Modify	

Stored Procedure Changes

Stored Procedure	Change ²	Comments
ProcCheckDupeRpcID	Add	
ProcConvertLagTime	Add	
ProcGetDFADeletedGranules	Add	

Stored Procedure	Change²	Comments
ProcGetDFALogicalDeleteCounts	Add	
ProcGetDataFileName	Add	
ProcGetStagingGranules	Add	
ProcLock	Add	
ProcPhysicalDelete	Add	
ProcProcessAssociateLDelete	Add	
ProcProcessBRDFALogicalDelete	Add	
ProcProcessPHDFALogicalDelete	Add	
ProcProcessQADFALogicalDelete	Add	
ProcProcessSCDFA	Add	
ProcProcessSCDFALogicalDelete	Add	
ProcProcessSCLogicalDelete	Add	
ProcRmStagingFmDeleted	Add	
ProcUnLock	Add	
ProcCheckReferencesScience	Modify	Modified because a granule may have more than a single input granule
ProcDeleteL7GranuleMetaData	Modify	
ProcDemergeL7GranuleMetaData	Modify	
ProcEventNotifierQCleanUp	Modify	
ProcGetAPFileStorage	Modify	
ProcGetAlgorithmPackage	Modify	

Stored Procedure	Change²	Comments
ProcGetBrowseFileStorage	Modify	
ProcGetDAPFileStorage	Modify	
ProcGetESDTConfiguredType	Modify	
ProcGetFileLocMetadata	Modify	
ProcGetFileStorage	Modify	
ProcGetGranPHMetadata	Modify	
ProcGetLimitedMetadata	Modify	
ProcGetOneESDTConfiguredType	Modify	
ProcGetPHFileStorage	Modify	
ProcGetProcessingHistory	Modify	
ProcGetQAFileStorage	Modify	
ProcGetSSAPComponent	Modify	
ProcGetSSAPFileStorage	Modify	
ProcInsertAncillaryInput	Modify	
ProcSiRequestCleanUp	Modify	
ProcInsertESDTConfiguredType	Modify	
ProcInsertGrProdSpecific	Modify	
ProcInsertGrStringInfoContent	Modify	
ProcInsertInputGranule	Modify	
ProcMergeL7GranuleMetaData	Modify	
ProcUpdateESDTConfiguredType	Modify	

Stored Procedure	Change²	Comments
ProcConvertDEM	Add	
ProcConvertL1B	Add	
ProcDeleteAncillaryInput	Add	
ProcDeleteBoundingRectangle	Add	
ProcDeleteBrowseGranuleXref	Add	
ProcDeleteCircle	Add	
ProcDeleteFloatInfoContent	Add	
ProcDeleteGranuleAnalysisXref	Add	
ProcDeleteGranuleCampaignXref	Add	
ProcDeleteGranuleInstrXref	Add	
ProcDeleteGranuleLocality	Add	
ProcDeleteGranulePlatformXref	Add	
ProcDeleteGranuleReview	Add	
ProcDeleteGranuleSensorXref	Add	
ProcDeleteInputGranule	Add	
ProcDeleteIntegerInfoContent	Add	
ProcDeleteMeasuredParameter	Add	
ProcDeleteOrbitCalcSpatDomain	Add	
ProcDeleteOrbitCalcSpatial	Add	
ProcDeletePhysicalFileStorage	Add	
ProcDeletePoint	Add	

Stored Procedure	Change²	Comments
ProcDeletePolygon	Add	
ProcDeleteProcessingQA	Add	
ProcDeleteQaGranuleXref	Add	
ProcDeleteSensorCharacter	Add	
ProcDeleteStorageMedium	Add	
ProcDeleteStringInfoContent	Add	
ProcDeleteUninterpretedData	Add	
ProcDeleteVertSpatialDomain	Add	
ProcDeleteXAR	Add	
ProcPhysicalDeleteBrowse	Add	
ProcPhysicalDeleteGranules	Add	
ProcPhysicalDeletePH	Add	
ProcPhysicalDeleteQA	Add	
ProcDeletePolygon	Add	
ProcGetBMGTBrowseMetadata	Remove	
ProcGetESDCollBrowseXref	Remove	
ProcGetESDSSAPComponent	Remove	
ProcGetESDAAlgorithmPackage	Remove	
ProcGetESDCollPlatInstrSensor	Remove	
ProcGetESDAdditionalAttributes	Remove	
ProcGetESDDisciplineKeywords	Remove	

Stored Procedure	Change²	Comments
ProcGetESDTemporal	Remove	
ProcGetESDCollVertSpatialDomn	Remove	
ProcGetESDCollectionMetadata	Remove	
ProcGetESDAssocPlatInstrSensor	Remove	
ProcGetEGrSensorCharacteristic	Remove	
ProcGetESDQaGranuleXref	Remove	
ProcGetESDBrowseGranuleXref	Remove	
ProcGetOneESDGranuleMetadata	Remove	
ProcGetAllESDGranuleMetadata	Remove	
ProcGetBMGTDictonaryAttr	Remove	
ProcGetBMGTKeywordValidis	Remove	
ProcGetBMGTValidisMetadata	Remove	
ProcBmgtGetBrowMetadata	Add	
ProcBmgtGetEsdCollBrowseXref	Add	
ProcBmgtGetEsdSSapComponent	Add	
ProcBmgtGetEsdAlgPkg	Add	
ProcBmgtGetEsdCollPlatInstSens	Add	
ProcBmgtGetEsdCollAddAttr	Add	
ProcBmgtGetEsdDiscKeywords	Add	
ProcBmgtGetEsdTemporal	Add	
ProcBmgtGetEsdCollVertSpatDo	Add	

Stored Procedure	Change ²	Comments
mn		
ProcBmgtGetOneCollMetadata	Add	
ProcBmgtGetEsdAsscPlatInstSens	Add	
ProcBmgtGetGranSensChar	Add	
ProcBmgtGetEsdGranAddAttr	Add	
ProcBmgtGetEsdQaGranuleXref	Add	
ProcBmgtGetEsdBrowGranXref	Add	
ProcBmgtGetOneGranMetadata	Add	
ProcBmgtGetEsdGranMetadata	Add	
ProcBmgtGetDictionaryAttr	Add	
ProcBmgtGetKeywordValid	Add	
ProcBmgtGetValMetadata	Add	
ProcBmgtGetEsdCollMetadata	Add	

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments

Table	Constraint Type ⁴	Change ²	Comments
DsMdGrBoundingRectangle	Foreign Key	Delete	FK_DSMDGRBO_HAS_ONE_B_DSMDGRAN
DsMdGrCircle	Foreign Key	Delete	FK_DSMDGRCI_HAS_ONE_C_DSMDGRAN
DsMdGrGPolygon	Foreign Key	Delete	FK_DSMDGRGP_HAS_ONE_P_DSMDGRAN

Index Changes

Index	Table	Index Type ³	Change ²	Comments
PK_DSMDCLBOUNDINGRECTANGLE	DsMdClBoundingRectangle_R	Primary Key	Remove	
xDsMdAncillaryGranuleId	DsMdAncillaryInput	Clustered	Remove	
xDsMdGrBoundingRectangle	DsMdGrBoundingRectangle_R	Clustered	Remove	
xDsMdGrStringInfoContent	DsMdGrStringInfoContent	Clustered	Remove	
xDsMdOrbitCalSpatialPNoSBlock	DsMdOrbitCalculatedSpatial	Clustered	Remove	
PK_DSMDANCILLARYINPUT	DsMdAncillaryInput	Clustered, unique	Add	
PK_DSMDDELE	DsMdDeletedGranules	Clustered,	Add	

Index	Table	Index Type³	Change²	Comments
TEDGRANULES		unique		
PK_DSMDGRST RINGINFOCON TENT	DsMdGrStringInfoConte nt	Clustered, unique	Add	
PK_DSMDORBI TCALCULATED SPATIAL	DsMdOrbitCalculatedSp atial	Clustered, unique	Add	
xDsMdStagingTa bleIFN	DsMdStagingTable	Clustered, unique	Add	

View Changes

View	Change²	Comments
NONE		

Data Changes

Data	Change²	Comments
NONE		

Tables exempt from Checksum
NONE

Rule Changes

Rule Name	Change	Comments

SDSRV system table changes

Table Name	Change	Comments
DsMdAttributeList	Delete	Deleted 2 rows
DsMdAttributeTableXref	Delete	Deleted 3 rows
DsMdDeletedGranules	Add	Added 1 row
DsMdPlatInstrCode	Add	Added 3 rows

Subsystem: STMGT/DDIST

The STMGT database contains the new design for drop 6A. Please refer to the software drop installation instructions and to the 311 document for detailed information about the STMGT database.

Subsystem: SUBSRV

Table Changes

Table	Column	Change ²	Old Format	New Format	Comments
NONE					

Trigger Changes

Trigger	TriggerType ¹	Table	Change ²	Comments
NONE				

Stored Procedure Changes

Stored Procedure	Change ²	Comments
NONE		

User Defined Datatype Changes

User Defined Datatype	Change ²	Old Format	New Format	Comments
NONE				

Constraint Changes

Table	Constraint Type ⁴	Change ²	Comments

Table	Constraint Type⁴	Change²	Comments
NONE			

Index Changes

Index	Table	Index Type³	Change²	Comments
NONE				

View Changes

View	Change²	Comments
NONE		

Data Changes

Data	Change²	Comments
NONE		

Tables exempt from Checksum
NONE

Subsystem: Toolkit – Not Applicable