ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Abdulnasir M. Shash	**03/21/03**	**03-0205**	**—**	301-925-0832	2009k	DEV/CO

8. CCR Title: Patch_6A.07_ESDT.29A_OMI

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 21Mar03
Abdulnasir M. Shash /s/ 03/21/03	**II**	**CCR**	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Arthur Cohen /s/ 03/21/03	Initial ECS Baseline Doc.	Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):*	17. Schedule Impact:	18. CI(s) Affected: SDSRV/ESDT/INGEST

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
6A	21Mar03	None - Under 100K

22. Source Reference: ☒**NCR (attach)** ☐**Action Item** ☐**Tech Ref.** ☐**GSFC** ☐**Other:**
See page 2

23. Problem: (use additional Sheets if necessary)
Changing values of attributes to support archiving OMI level 2 data. Make changes to OMI level 1B ESDTs (OML1BCAL, OML1BIRR, OML1BRUG, OML1BRUZ, OML1BRVG, and OML1BRVZ) for Collection-level attribute values, adding and deleting Inventory-level attribute and to modified PSAs. See attached for lists of NCRs.

24. Proposed Solution: (use additional sheets if necessary)
Provided as Patch_6A.07_ESDT.29A_OMI

25. Alternate Solution: (use additional sheets if necessary)
None

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Unable to ingest and archive OMI data.

27. Justification for Emergency (If Block 15 is "Emergency"):
None

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☐EDC ☒ GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL ☐EOC ☐ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): **Evelyn N. Nakamura /s/ 03/21/03 for B. Peters**	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB
33. M&O CCB Chair (Sign/Date): **G. G. Gavigan, Jr. /s/ 3/21/03**	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 03-0205 Rev: — Originator: Abdulnasir M. Shash

Telephone: 301-925-0832 **Office:** 2009k

Title of Change: Patch_6A.07_ESDT.29A_OMI

Clearcase:

Build one SUN5.8 tar file from 6A.07 baseline for the following packages:

.EcDsSdValids.pkg
.EcDmDBValids.pkg

Build one IRIX65 tar file from 6A.07 baseline for the following packages:

.EcInDBScripts.pkg
.EcDsSdSrvOMI.pkg

Build one SUN5.8 tar file from 6A.07 baseline for the following files:

/ecs/formal/ESDT/lib/sun5.8
libDsESDTOmOMIPoly.001Sh.so

/ecs/formal/ESDT/Om:
DsESDTOmOMCLDO2.001.desc
DsESDTOmOMCLDRR.001.desc
DsESDTOmOMDOAO3.001.desc
DsESDTOmOML1BCAL.001.desc
DsESDTOmOML1BIRR.001.desc
DsESDTOmOML1BOPF.001.desc
DsESDTOmOML1BRUG.001.desc
DsESDTOmOML1BRUZ.001.desc
DsESDTOmOML1BRVG.001.desc
DsESDTOmOML1BRVZ.001.desc
DsESDTOmOMNO2.001.desc
DsESDTOmOMTO3.001.desc

Please name the tarfile Patch_6A.07_ESDT.29A_OMI

Please deliver the tar file to PVC and VATC

This patch fixes the following NCRs:

St=T, Sv=5, Bug id = ECSed36837, Subsystem = OPS_SDSRV_ESDT
St=T, Sv=5, Bug id = ECSed35851, Subsystem = OPS_SDSRV_ESDT
St=T, Sv=5, Bug id = ECSed36838, Subsystem = OPS_SDSRV_ESDT
St=T, Sv=5, Bug id = ECSed35174, Subsystem = OPS_SDSRV
St=T, Sv=5, Bug id = ECSed36839, Subsystem = OPS_DMS
St=V, Sv=5, Bug id = ECSed36840, Subsystem = OPS_DBDM
St=C, Sv=5, Bug id = ECSed36842, Subsystem = OPS_DMS
St=T, Sv=5, Bug id = ECSed36847, Subsystem = OPS_SDSRV
St=T, Sv=5, Bug id = ECSed37044, Subsystem = OPS_SDSRV_ESDT

This is for GSFC DAAC

DAAC Install Instruction

NOTE: This patch includes new ESDTs, SDSRV valids, Ingest scripts, DMS valids, SDSRV DLL library, and OMI data.

A. PreInstallation

1. Create a staging area with SOL8 and IRIX65 subdirectories.
2. Copy Patch_6A.07_ESDT.29A_OMI_Mar-20-2003_6A07_irix65* to /<staging_area>/IRIX65 subdirectory and untar it using the Setup.ksh
3. Copy Patch_6A.07_ESDT.29A_OMI_Mar-20-2003_6A07_sun5.8* to /<staging_area>/SOL8 subdirectory and untar it using the Setup.ksh
4. Copy Patch_6A.07_ESDT.29A_OMI_Mar-20-2003_6A07_sun5.8_20030320_120604.tar /<staging_area>/SOL8 subdirectory and untar it using the tar command
5. cd <staging_area>/IRIX65/CUSTOM/dbms/INS/

6. Edit the EcInDbESDT_NCR36840.ksh script. Search for all occurrences of the phrase "EDOS" and change it to "NON_STD_SIPS". There will be 5 occurrences.
7. cd <staging_area>/IRIX65/CUSTOM/dbms/DSS
8. Edit the DsDbSqsBcpOrbitPolygonEnv.ksh and verify the directory path and files are correct for the SYBASE and LM_LICENSE_FILE variables. These paths and file name will be on the g0acg01 host.

B. Installation

a) To Complete DMS valids Installation

1. login to the DMS host
2. cd /usr/ecs/<MODE>/CUSTOM/dbms/DMS
3. cp <staging_area>/SOL8/CUSTOM/dbms/DMS/EcDmDbVALID_NCR_36839.ksh .
4. chmod 775 EcDmDbVALID_NCR_36839.ksh
5. Run script by entering the following:

EcDmDbVALID_NCR_36839.ksh <MODE> <USERNAME> <SERVER> <DBNAME>

6. Input the mode, user name, server name, and database name for DMS server
7. You will be prompted for a Password. Enter the DBO password for the database.

b) To Complete INGEST Installation

1. Login to the INGEST host
2. cd /usr/ecs/<MODE>/CUSTOM/dbms/INS
3. cp <staging_area>/IRIX65/CUSTOM/dbms/INS/EcInDbESDT_NCR36840.ksh
   cp <staging_area>/IRIX65/CUSTOM/dbms/INS/EcInDbESDT_NCR36842.ksh ..
4. chmod 775 EcInDbESDT_NCR*.ksh
5. Run script by entering the following:

EcInDbESDT_NCR36840.ksh <MODE> <USERNAME> <SERVER> <DBNAME
EcInDbESDT_NCR36842.ksh <MODE> <USERNAME> <SERVER> <DBNAME

6. Input the mode, user name, server name, and database name for the INGEST server
7. You will be prompted for a Password. Enter the DBO password for the database.
8. Verify the Scripts ran successfully by viewing the listed log files.
9. Bring up EcsAssist Subsystem manager or either g0icg01 or g0acg01 and set up a new Polling provider OMI_SIPS. Run the Mkcfg for all of INGEST
10. cd /usr/ecs/<MODE>/CUSTOM/cfg
11. Delete all the Ingest .CFG files except for the EcInPolling.*.CFG files.
12. Using the EcCoPopulateRegistry script, load the EcInPolling.*.CFG files into the Registry. (See the 6A.07 release notes for directions on how to run EcCoPopulateRegister.)
13. Copy the EcInPolling.*.CFG files to EcInPolling.*.CFG.rgy
14. After the EcInPolling.*.CFG files are loaded into the Registry you must bounce the Registry on the g0icg01 host.
15. Bring the Ingest GUI and verify the FTP password is set correctly for OMS_SIPS data provider.

c) To Complete SDSRV Valids Installation

1. Login to the SDSRV host
2. Kill Science Data Server
3. cd /usr/ecs/<MODE>/CUSTOM/dbms/DSS
4. cp /<staging_area>/SOL8/CUSTOM/dbms/DSS/DsDbSODictionaryData.sql .
5. chmod 755 DsDbSODictionaryData.sql
6. Bring up ECS ASSISTANT SubSystem Manager
7. Select MODE
8. Select DSS then click on EcDsSr
9. Under the Database Pull down click on DbValids

10. choose the .dbparms and Click OK
11. On the Configurable Database Parameter window, input the DBO ID, Password, SQL Server name and Database name of SDSRV database

12. Click on OK and the Monitor the logs for any error messages

d) To complete NOSE data installation

NOTE: Before installing NOSE data, log into SDSRV database and execute the following statement:

```
INSERT  DsMdPlatInstrCode(platformInstrumentCode,platformShortName,instrumentName)
VALUES( 005, "Aura", "OMI")
```

1. Log onto appropriate SGI machine containing script.
2. cd /usr/ecs/<MODE>/CUSTOM/dbms/DSS
3. At the commandline run DsDbSqsBcpOrbitPolygon
4. Follow prompts and enter information. See notes below ...
   (comments inserted have **)
5. While script is running, make sure that the transaction log doesn't run out of space! You may do this by periodically clearing the log as dbo (from isql command line) using:

   >dump tran <database> with truncate_only
   >go

   To find out how much space is left in log type:

   sp_helpdb <database name>
   go

and look at the log segment space available. (You may also run a script that dumps the log periodically)
NOTE: You only need worry about the log when sqsbcp is running - other times the script will take care of that.

6. On the same machine cd /usr/ecs/<MODE>/CUSTOM/dbms/DSS and run DsDbSqsBcpOrbitPolygon.
Enter database name, sybase user, sybase password, user sa, sa password, sybase server, and sybase SQS server
Enter absolute path for sqsbcp executable: /usr/ecs/OPS/COTS/sqs_342/bin
** path varies from machine to machine **

 Checking status of login ...
 Reading Instruments ...

In order to install new data, it may be necessary to delete some old data first. Below is a list of instruments that currently have orbit polygon data installed.

** If no data is installed, none will be listed **

Please enter the number of the insrument(s) you wish to delete orbit polygon data for. Please separate each number by a space.
Type 0 to select all instruments or ENTER for none.

        Your choices, please:

 (just hit ENTER)

Enter path/name of bcp data file (Q to quit):
/usr/ecs/<MODE>/CUSTOM/dbms/DSS/DsDbOMINOSEData
Verifying file/platInstrCode ...
Inserting data from /usr/ecs/<MODE>/CUSTOM/dbms/DSS/DsDbOMINOSEData ...
GenerateKeyDump = 0
Error log is Error.log
 Done.

 Enter path/name of bcp data file (Q to quit):
q

*
7. Run the script again to verify the data is now listed as installed in the SDSRV database.

8. Bring up the SDSRV (or bounce the SDSRV) warm.

**
e) To install the SDSRV DLL library

1. Logon to the sdsrv host
2. cd /usr/ecs/<MODE>/CUSTOM/lib/ESS/
3. cp -p /<staging_area>/SOL8/<DLL library name> .
4. chmod 755 <DLL library file name>

f) To install ESDT descriptor files

1. Logon to the sdsrv host
2. cd /usr/ecs/<MODE>/CUSTOM/data/ESS/
3. cp -p /<staging_area>/SOL8/<descriptor file name> .
4. chmod 755 <descriptor file name>

Note: The OMI ESDT descriptors are new and need to be installed. If any are currently installed they must be deleted before you install any of the new ones. None of the descriptors are update-able.

5. To install (update) the ESDT descriptors, use the Science Data Server GUI
6. Using the STMGT GUI add a new Volume Group as well for the ESDT if necessary

C. PostInstallation

Bounce EcInReqMgr warm after all the ESDTs have been installed.