

ECS Configuration Change Request

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|--|-------------------------|---|--|--|---|--------------------|
| 1. Originator Evan Winston | 2. Log Date: 6/28/01 | 3. CCR #: 01-0521 | 4. Rev: - | 5. Tel: 301.925.0348 | 6. Rm #: 2013 | 7. Dept. DEV/CO |
| 8. CCR Title: Test Executable 6A.04_PDPS.01. For DAACs and PVC & VATC.. Includes closest granule and AM1&PM1 DPREP changes. PATCH | | | | | | |
| 9. Originator Signature/Date <i>Evan Winston</i> 6/27/01 | | | 10. Class II | 11. Type: CCR | 12. Need Date: 27June2001 | |
| 13. Office Manager Signature/Date <i>[Signature]</i> 6/27/01 | | | 14. Category of Change: Initial ECS Baseline Doc. | | 15. Priority: (If "Emergency" fill in Block 27). Emergency | |
| 16. Documentation/Drawings Impacted: | | | 17. Schedule Impact: n/a | 18. CI(s) Affected: PDPS | | |
| 19. Release Affected by this Change: 6A | | 20. Date due to Customer: 27June01 | | 21. Estimated Cost: None - Under 100K | | |
| 22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 30570, 30836, 30922, 30786, 30729, 30731, 30769. | | | | | | |
| 23. Problem: (use additional Sheets if necessary) see middle of page 3 for start of NCR fixes. | | | | | | |
| 24. Proposed Solution: (use additional sheets if necessary) TE 6A.04_PDPS.01 to provide the needed changes. This TE is to be loaded on top of installations of 6A.04 TAR files for this TE were created on 6/5/01 and tested in Landover. | | | | | | |
| 25. Alternate Solution: (use additional sheets if necessary) Wait until next s/w release. | | | | | | |
| 26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems | | | | | | |
| 27. Justification for Emergency (If Block 15 is "Emergency"): Corrections are required at LaRC & GSFC & EDC ASAP. | | | | | | |
| 28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other | | | | | | |
| 29. Board Comments: | | | 30. Work Assigned To: | 31. CCR Closed Date: | | |
| 32. EDF/SCDV CCB Chair (Sign/Date): <i>[Signature]</i> 6/27/01 | | Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB | | | | |
| 33. M&O CCB Chair (Sign/Date): <i>[Signature]</i> 6/27/01 | | Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS | | | | |
| 34. ECS CCB Chair (Sign/Date): | | Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB | | | | |

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ADDITIONAL SHEET

CCR #: *01-052*/Rev: *—* Originator: E. Winston

Telephone: x0437 Office: 3008H

Title of Change: Test Executable 6A.04_PDPS.01. For DAACs and PVC & VATC.. Includes closest granule and AM1&PM! DPREP changes.

CM:

TAR files built 6/5/01 as follows:
These files are assembled and ready for use from:

For the Sun platform:

/net/blood/data6/6A.04_PDPS.01_Jun-5-2001_6A04_sun5.5_20010605_182832

For the SGI platform:

/net/blood/data5/6A.04_PDPS.01_Jun-5-2001_6A04_irix65_20010605_185854

and based on these instructions:

Please generate an SGI/IRIX tar from the 6A.04 baseline for the following package:
.EcDpScSCNCPRCS.pkg

Also generate a SUN TAR file from the 6A.04 baseline to include the following:

Packages from /ecs/formal/PDPS/DPS/PRONG:

.EcDpPrPLNMGMTWS.pkg
.EcDpPrQUESRVR.pkg

Package from /ecs/formal/PDPS/DPS/SSIT

.EcDpAITWS.pkg

Packages from /ecs/formal/PDPS/PLS

.EcPIODPRM.pkg
.EcPIPLNMGMTWS.pkg
.EcPIQUESRVR.pkg

~~and make the delivery through the SMC:~~

01/27/01
~~SMC: Receive the TAR file(s) and make available to the DAACs, PVC and VATC.~~

DAAC Install Instructions:

1. Get TAR Files from SMC distribution.
2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "Y" when prompted for "Update ECS Assist Common Files" to get the latest version of ECS ASSIST. THIS MUST BE RUN AS ROOT.
3. On a SUN host, use E.A.S.I. to perform automated installation of all seven packages listed above as follows:
 - a. Select the Mode to be installed
 - b. Enter the location of the staged files
 - c. Select CUSTOM and Click Next
 - d. Select the "Subsystem" entry in the "Sort By" box.
 - e. Click on the DPS icon to highlight it.
 - f. Holding down the Shift key, click on the PLS icon to highlight it.
 - f. Once you have selected both icons listed above, click Next.
 - g. Select Install as the Installation Phase and Click Next

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- h. Select STAGE as the Source File Location. Click Next
 - i. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next.
 - j. Click COMM and ensure all hosts displayed turn green, signaling that they are communicating with E.A.S.I.
 - k. Click INSTALL and monitor each host. Ensure each host icon turns green signaling a successful installation.
4. Install the PDPS database patch by running ECS Assist Subsystem Manager from the PLS host:
- a. From the ECS Assist Subsystem Manager, select the mode for which the patch is being applied.
 - b. Select PLS from the list of subsystems displayed Click on "EcPT" in the Components box.
 - c. Click on the Database icon. Select "DbPatch" from the drop-down menu.
 - d. Select ".dbparms" from the window that appears. Click "Ok".
 - e. When the window is displayed with the message "Nothing to Configure", click "OK".
 - f. Fill in the requested information for the PDPS database. Click "Ok".
 - g. Monitor the output log for any errors. View the dbpatch log in the /usr/ecs/<MODE>/CUSTOM/logs directory to verify that there are no errors.
 - h. Note that NCR corrections have added db patches up to 6A94. You must update the PDPS DB upto 6A94.
 - i. Continue on to step 5.

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5. Make sure the PDPS servers are up and running. Check the output logs for any errors.

*****END OF INSTALL INSTRUCTIONS*****

Summary of all NCR fixes:

ECSed30786

Added the promotion of the contents of table PIAssociatedScienceData, which proceeds on a PGE-by-PGE basis.

Files in Task:
 /ecs/formal/PDPS/DPS/SSIT/scripts/EcDpDbPromotePgeDb.ksh
 Test Instructions for Checkout Lab:
 Promote Terra PGE02 or Aqua PGE02 and confirm that the contents of PIAssociatedScienceData is promoted using SQL.

ECSed30922

Changed the PM-1 DPREP unit test so that the ephemeris unit test output is used to process attitude in the attitude unit test. This scenario reflects what happens operationally. Changed .EcDpPrPM1DPREP.iu so that the new PM-1 DPREP unit files get delivered to the DAACs.

Test Instructions for Checkout Lab:
 Schedule the PM-1 DPREP unit test according to instructions found in the HowToRunPm1DPREP file.

ECSed30836

Changed PM1DefAtt PGE Profile 1 to disambiguate optional inputs specified under logical IDs 1300 and 1320 (shared the same CATEGORY_ID), thereby allowing PDPS to supply all required inputs (because of sharing the same CATEGORY_ID, PDPS used to supply the data set for logical ID 1300 only).

Files in Task:
 /ecs/formal/PDPS/DPS/data/ODL/PGE_PM1DefAtt#0020401.odl
 /ecs/formal/PDPS/DPS/data/ODL/PGE_PM1DefAtt#0020402.odl
 /ecs/formal/PDPS/DPS/data/ODL/PGE_PM1DefAtt#0020403.odl
 Test Instructions for Checkout Lab:
 Schedule a PM1DefAtt profile 1 DPR, halt in post-processing, examine the LogStatus file to confirm that the PGE did NOT revert to Profile 3 processing (message DPREP_W_NEXT_PROFILE_CHANGE will be signalled if the PGE did NOT run successfully).

ECSed30570

Made hardcoded data segment duration parameter a PCF entity.

Test Instructions for Checkout Lab:
 Schedule an AM1Eph processing run, halt processing in Post-Processing, examine the PCF. Search for logical ID 5058 and confirm that it is set to 7200. Release the job and confirm that it completes successfully.

ECSed30731

Change the debug log output for the CoreLib file listed to facilitate debugging DPR explosion.

Test Instructions for Checkout Lab:
 Run the Production Request Editor, create ASTER DPRs, and verify that the Production Request Editor debug logs are being printed correctly.

ECSed30729

Rollback the changes I made earlier on with this NCR. The entry in PIDataGranuleShort table should not be removed when timer is deleted.

Test Instructions for Checkout Lab:

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Run Misrlike test and check to see all granule are there in PIDataGranuleShort table

ECSed30769

Closest granule code was removed from temporal query.

Resolution:

Restored closest granule check to temporal query.

Modified PIPge::GetInputForDpr.

Test Instructions for Checkout Lab:

Test a closest granule/temporal query check DPR.

. Provides PREP QC for 6A.

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