

# ECS Configuration Change Request

1. Originator Randy Miller	2. Log Date: 3/10/99	3. CCR #: 99-0214	4. Rev: -	5. Tel: x0400	6. Off: 2078	7. Org. Dev/CO
8. Title of Change: Distribute 4PY Auburn Patch To LaRC						
9. Originator Signature <i>Randy Miller</i>		10. Date: 3/10/99	11. Class II	12. Type: CCR	13. Need Date: 3/10/99	
14. Office Manager Signature <i>Randy Miller for Mary Armstrong</i>		15. Date: 3/10/99	16. Date CCB Decision Needed: 3/10/99	17. Category of Change: Update Baseline	18. Priority: Emergency	
19. Documentation/Drawings Impacted: Patch Documentation attached			20. Schedule Impact: None	21. CI(s) Affected: Ingest		
22. Release Affected: 4PY		23. Date due to Customer: 3/10/99	24. Impl. Date: 3/10/99	25. Effectivity of Change: 3/10/99	26. Est. Cost None	
27. Source Reference: 20515, 21040 <input checked="" type="checkbox"/> NCR (Attach) <input type="checkbox"/> Action Item <input type="checkbox"/> GSFC CCR <input type="checkbox"/> Tech Ref. <input type="checkbox"/> Other:						
28. Description of Change: (use additional sheets if necessary) This CCR authorizes the SMC to distribute the 4PY Auburn tar file to LaRC.						
29. Proposed Solution: (use additional sheets if necessary) SMC to distribute the 4PY Auburn tar file to LaRC.						
30. Alternate Solution: (use additional sheets if necessary) None.						
31. Consequences if Change(s) are not approved: (use additional sheets if necessary) Inability to perform SAGE III MOD interface testing at LaRC on 15 March.						
32. Does Change Affect Any of the Following (Please Explain on additional sheet): <input type="checkbox"/> Maintenance Training <input type="checkbox"/> Performance <input type="checkbox"/> Operation Training <input type="checkbox"/> Safety <input type="checkbox"/> Service <input type="checkbox"/> Support <input type="checkbox"/> Test <input type="checkbox"/> Baseline (XRP) <input type="checkbox"/> Y2K Compliance						
33. Organization(s) Affected: <input type="checkbox"/> CM <input type="checkbox"/> Clearcase SG <input type="checkbox"/> Contracts <input type="checkbox"/> Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> M&O <input type="checkbox"/> Rel Dev <input type="checkbox"/> Procurement <input type="checkbox"/> RTSC <input type="checkbox"/> Sci. Data Eng <input type="checkbox"/> Security <input type="checkbox"/> Dev. <input type="checkbox"/> Sys. Eng. <input type="checkbox"/> Sys Verf Acpt <input type="checkbox"/> Other						
34. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> Mini-DAAC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> Other						
35. Board Comments:					36. Work Assigned To:	
37. Release Authorized (For CM Use Only): <input type="checkbox"/> Yes <input type="checkbox"/> No			38. CM Verified/Signature and Date			
39. EDF/REL2 CCB Chair (Sign/Date): <i>Matthew Donald 3/10/99</i>		40. Disposition: <input checked="" type="checkbox"/> App <input type="checkbox"/> Ap/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS		41. ESDIS ERB Concurrence:		
42. ECS CCB Chair (Sign/Date):		43. Disposition: App <input type="checkbox"/> A/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/>		44. CCR Closed Date:		

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**CCR Originator's Preliminary Impacts List**

(Reference: CM10-M-I-003. Expand Table as Necessary with Carriage Returns or New Rows)

CCR No.                      Rev.                      Originator: Randy Miller                      Phone:                      x0400

Title:    Distribute 4PM Auburn Patch To LaRC

Office	Office Impact	Signature & Date	Comments:
Baseline (XRP)			
CLS			
Construction Off.	X	Randall J. Miller 3/10/99	
Contracts			
CM			
COTS Eng.			
ClearCase Support Group	X	Randall J. Miller 3/10/99	
DADS			
Data Management			
DDM			
Deployment			
ECS Chief Engineer			
ESDIS			
FOS			
Hardware Engineering			
IDG			
Interface Eng.			
Maintenance & Oper.			
Mini-DAAC			
MSS			
PDPS			
Procurement			
Quality Office			
Resource Management			
Release Development	X	Randall J. Miller for Mary Armstrong 3/10/99	
RTSC			
Schedule Control			
Science Office			
Science Data Server			
Security			
Subcontracts			
Systems Development			
System Engineering			
Sys. Verif. & Acceptance			
VATC			
Other Pm	X	<i>[Signature]</i>	OK TO Release without PRE SHIP REVIEW.

CM10 August 27, 1998

ECS/EDF/REL2

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## 4PY Patch "Auburn"

### ***Purpose***

The 4PY Auburn patch provides fixes for two NCRs.

### ***NCRs Fixed***

The Auburn patch fixes NCRs 20515 and 21040.

### ***Nature of Fix***

This patch contains C++, SQL, and script code fixes for the Ingest CSCI.

### ***Installation Instructions***

**Dependencies And Preconditions.** The Auburn patch can only be installed into environments containing the 4PY.Alpha or higher revision level of ECS.

**Contents of the Patch Kit:** This patch consists of one SGI tar file.

**READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.**

### **General Instructions.**

- 1) Download and stage the files for the delivery from the SMC.
- 2) DO NOT install ECS Assist from the staging directory using the setup script.
- 3) DO NOT perform an installation to SHARED Mode.
- 4) DO NOT perform a Toolkit installation.
- 5) DO NOT re-install any ESDTs.

### **Subsystem Specific Instructions.**

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CLIENT (CLS)

There are no Client (CLS) components newly delivered, replaced, or re-configured by this patch.

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COMMUNICATIONS (CSS) and MANAGEMENT (MSS)

There are no Communications (CSS) or Management (MSS) components newly delivered, replaced, or re-configured by this patch.

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DATABASE (DDM)

There are no Database (DDM) components newly delivered, replaced, or re-configured by this patch.

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DATA MANAGEMENT (DMS) and INTEROPERABILITY (IOS)

There are no Data Management (DMS) or Interoperability (IOS) components newly delivered, replaced, or re-configured by this patch.

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INGEST (INS)

Use EcCoAssist and the .sitemap to install the EcInINTFCSVR.pkg package on the Ingest Server. Do not run the Mkcfcg or Mkcdsentry options – no changes in configuration parameters or CDS entries are required. Update the Ingest database by executing the 4PY.7 database patch using EcCoAssist.

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PLANNING (PLS) and DATA PROCESSING (DPS)

There are no Planning (PLS) or Data Processing (DPS) components newly delivered, replaced, or re-configured by this patch.

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STORAGE MANAGEMENT (STMGT) and DATA DISTRIBUTION (DDIST)

There are no Storage Management (STMGT) or Data Distribution (DDIST) components newly delivered, replaced, or re-configured by this patch.

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SCIENCE DATA SERVER (SDSRV)

There are no Science Data Server (SDSRV) components newly delivered, replaced, or re-configured by this patch.

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V0 CLIENT

There are no V0 Client components newly delivered, replaced, or re-configured by this patch.

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# NCR Search Results



NCR ID: ECSed20515                      Status: ASSIGNED-TEST                      Submit Date: 990129  
 NCR Class: REL\_B0\_INFORMAL Project: RelB0\_INGST                      Enclosures: 4

NCR TITLE....  
 SAGE3 MOC support required for LDAAC testing

DETECTION INFORMATION....  
 Build Name[\*]: Drop 4PX.19  
 Test Site[\*]: LaRC DAAC  
 Detection Method[\*]: Analysis  
 Detected-In-Phase[\*]: DAAC Activity  
 Build ID: N990211001  
 Test Case ID:  
 Platform ID: l0icg01 and ???  
 Severity (1=Showstopper)[\*]: 2  
 Need fix by [\*]: Emergency  
 Mode [\*]: TS2  
 Trouble Ticket:

REVIEW-ASSIGN INFORMATION....  
 Evaluate Engineer: mwong  
 Assigned To: habraham  
 Iteration [\*]: Drop 4PY.Alpha

SUBMITTER INFORMATION....  
 Submitter: bengle

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NCR ID: ECSed20515                      Status: ASSIGNED-TEST  
 NCR Class: REL\_B0\_INFORMAL Project: RelB0\_INGST

TO BE FIXED INFORMATION....  
 Problem Type[\*]: source code  
 Recommended Change[\*]: source code  
 Est. Fix Time (Hrs): 5  
 Est. Compl. Date (yyymmdd): 990304  
 Related NCR ID: N/A

RESOLUTION INFORMATION....  
 Resolution[\*]: source code  
 Resolved by: habraham  
 Indicate\_SLOC[\*]: Added  
 Num\_SLOC: 50  
 Fixing Time (hrs): 5  
 Documentation affected (Y/N)? N  
 Affect CSCI: InFDDMetadata.C  
 Merge Build Id: N990211001

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\*\*\*\*\* Problem (Added at 990129 by b.k.Engle ) \*\*\*\*\*  
 Support for SAGE-III MOC interface tests is required at Langley DAAC.  
 Information needed includes the following-  
 1" Configuration info for Polling process.  
 2" Host for Polling process "SAGE-III is a pull scenario"  
 3" Ingest database entries to support SAGE-III MOC as a dataprovider,  
 proper entries for InFileTypeTemplate and InDataTypeTemplate tables.  
 Request information and directions be provided in written form.

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MODE- TS2  
DROP- 4PX.19  
PRIORITY- 1 Critical  
HOST- 10icg01 and ???  
BUCKET- RelB0\_INGEST

\*\*\*\*\* Impact (Added at 990129 by b.k.ingle ) \*\*\*\*\*  
IMPACT- Required LDAAC interface testing for SAGE-III MOC cannot be performed with the current software release. This NCR submitted at the direction of Ron Klotz.

\*\*\*\*\* Analysis \*\*\*\*\*  
Please describe your Analysis:

SAGE III MOC Ingest processing code was originally scheduled for DROP5A and has already been incorporated there, tested and validated. This NCR requests SAGE III MOC processing for DROP 4. I therefore plan to incorporate the code changes already done in DROP5A into DROP4PY. The SAGE III MOC data types will also have to be entered with their appropriate parameters in the DROP4PY Ingest database.

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NCR ECSed20515:

Holly Abraham and Bryn Ardanuy asked me to get involved to help them get the following file installed from:

    \${CMTOP}/TOOLKIT/database/common/TD/leapsec.dat

to

    \${CUSTOM}/toolkit/database/common/TD

Damian Anderson (03/05/1999)  
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\*\*\*\*\* Previous Merge Build IDs \*\*\*\*\*  
Please enter any related Merge Build ID(s) information:

- 1)
- 2)
- 3)
- 4)

\*\*\*\*\* Resolution \*\*\*\*\*

Please describe your resolution to this problem:

Added source code to DROP4PY for processing SAGE III MOC data types to Ingest

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class, InODLMetadata.h/C, and added SAGE III MOC data types with their appropriate parameters to the Ingest database.

SAGE III MOC data types are ingested via the Polling with Delivery Record method for Ingest.

\*\*\*\*\* History \*\*\*\*\*

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wwweb    990129 134353 Submitted by b.k.ingle from magician.larc.nasa.gov
xddts    990201 112430 N -> A (Assigned-to habraham) by mwong
xddts    990201 112615 Fields modified by mwong
xddts    990201 120909 Fields modified by sbarrier
xddts    990208 193332 Enclosure "Analysis" added by mwong
xddts    990208 193332 A -> R (Recommend-change = source code) by habraham
xddts    990218 144520 Enclosure Previous Merge Build IDs added by habraham
xddts    990218 144949 Enclosure Resolution added by habraham
xddts    990218 144949 R -> T by habraham
xddts    990218 145137 enclosure "Resolution" edited by habraham
xddts    990218 145210 enclosure "Resolution" edited by habraham
xddts    990218 145223 enclosure "Resolution" edited by habraham
xddts    990218 145325 enclosure "Resolution" edited by habraham
xddts    990222 213126 Fields modified by jboliek
xddts    990225 144718 T -> R (Recommend-change = source code) by habraham
xddts    990305 144000 R -> A (Assigned-to danderso) by danderso
xddts    990305 144054 A -> R (Recommend-change = source code) by danderso
xddts    990305 144509 enclosure "Analysis" edited by danderso
xddts    990305 150133 R -> A (Assigned-to habraham) by danderso
xddts    990308 123740 A -> R (Recommend-change = source code) by habraham
xddts    990308 124110 R -> T by habraham
xddts    990308 125357 enclosure "Resolution" edited by habraham

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Last Modified: 3/1/99

Questions, suggestions or comments, please contact:

*NCR Administrator:*

*Tony Wells (301) 925-1089, [tonyw@eos.hitc.com](mailto:tonyw@eos.hitc.com)*

*NCR web:*

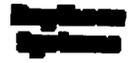
*Wilson Ouyang (301) 883-4036, [wouyang@eos.hitc.com](mailto:wouyang@eos.hitc.com)*



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# NCR Search Results



NCR ID: ECSed21040                      Status: ASSIGNED-TEST                      Submit Date: 990225  
 NCR Class: REL\_B0\_INFORMAL Project: RelB0\_INGST                      Enclosures: 5

NCR TITLE....  
 InFileTypeTemplate table contains redundant FileTypeTemplateKey for GRIB

DETECTION INFORMATION....	REVIEW-ASSIGN INFORMATION....
Build Name[*]: Drop 4PY.Alpha	Evaluate Engineer: mwong
Test Site[*]: EDF	Assigned To: kwright
Detection Method[*]: Engineering Test	Iteration [*]: Drop 4PY.01
Detected-In-Phase[*]: Integration	
Build ID:	
Test Case ID:	
Platform ID:	
Severity (1=Showstopper)[*]: 2	
Need fix by [*]: Critical	
Mode [*]: Other	
Trouble Ticket:	

SUBMITTER INFORMATION....  
 Submitter: kuhm

NCR ID: ECSed21040                      Status: ASSIGNED-TEST  
 NCR Class: REL\_B0\_INFORMAL Project: RelB0\_INGST

TO BE FIXED INFORMATION....  
 Problem Type[\*]: source code  
 Recommended Change[\*]: source code  
 Est. Fix Time (Hrs): 1  
 Est. Compl. Date (yymmdd): 990302  
 Related NCR ID: N/A

RESOLUTION INFORMATION....  
 Resolution[\*]: source code  
 Resolved by: kwright  
 Indicate\_SLOC[\*]: Added  
 Num\_SLOC: 10  
 Fixing Time (hrs): 1  
 Documentation affected (Y/N)? N  
 Affect CSCI: INGEST  
 Merge Build Id:

\*\*\*\*\* Problem \*\*\*\*\*  
 PROBLEM DESCRIPTION....

InFileTypeTemplate table contains redundant FileTypeTemplateKey  
 for the following GRIB:

GDAS\_OZF, GDASOZFH

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OZ\_DAILY, OZ\_DLYH  
SEA\_ICE, SEA\_ICEH  
FNMOC\_ML, FNMOCMLH

\*\*\*\*\* Impact \*\*\*\*\*  
IMPACT....

Unable to ingest GRIB data without making Data Base changes.

\*\*\*\*\* Analysis \*\*\*\*\*  
Please describe your Analysis:  
Create a patch script to delete redundant rows.

\*\*\*\*\* Previous Merge Build IDs \*\*\*\*\*  
Please enter any related Merge Build ID(s) information:

- 1)
- 2)
- 3)
- 4)

\*\*\*\*\* Resolution \*\*\*\*\*  
Please describe your resolution to this problem:  
Created a patch script to delete redundant rows.

\*\*\*\*\* History \*\*\*\*\*  
xdds 990225 145445 Submitted to RelB0\_INGST by kuhm  
xdds 990225 150442 Enclosure "Problem" added by kuhm  
xdds 990225 150659 Enclosure "Impact" added by kuhm  
xdds 990225 153843 Fields modified by kuhm  
xdds 990225 154331 N -> A (Assigned-to kwright) by mwong  
xdds 990301 114440 Fields modified by sbarrier  
xdds 990303 141031 Enclosure "Analysis" added by mwong  
xdds 990303 141031 A -> R (Recommend-change = source code) by kwright  
xdds 990308 110723 Enclosure Previous Merge Build IDs added by kwright  
xdds 990308 110748 Enclosure Resolution added by kwright  
xdds 990308 110748 R -> T by kwright

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Last Modified: 3/1/99

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Questions, suggestions or comments, please contact:

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*Tony Wells (301) 925-1089, [tonyw@eos.hitc.com](mailto:tonyw@eos.hitc.com)*

*NCR web:*

*Wilson Ouyang (301) 883-4036, [wouyang@eos.hitc.com](mailto:wouyang@eos.hitc.com)*



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