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EOSDIS Core System Project

5A Science System Release Plan for the ECS Project

May 1999

Raytheon Systems Company
Upper Marlboro, Maryland

5A Science System Release Plan for the ECS Project

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Preface

This document is a formal contract deliverable with an approval code 1. It requires Government review and approval prior to acceptance and use. This document is under ECS contractor configuration control. Once this document is approved, Contractor approved changes are handled in accordance with Class I and Class II change control requirements described in the EOS Configuration Management Plan, and changes to this document shall be made by document change notice (DCN) or by complete revision.

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Abstract

This document is the 5A Science System Release Plan for the ECS project. It documents the ECS approach for completing the development of the SDPS Release 5A system.

Keywords: Release 5A

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Change Information Page

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1. Introduction

1.1 Identification

This document is the 5A Science System Release Plan for the ECS project, which is defined by Data Item Descriptions (DIDs) 334/DV1.

1.2 Scope

The 5A Science System Release Plan documents the ECS approach for completing the development of the SDPS Release 5A system. Mod 86, The ECS Restructure Proposal for Contract NAS5-60000 provides the basis for this plan. Activities such as the End-to-End test at NSIDC will be a subject for negotiation and have not been included in this plan. The 5A schedule incorporates "NAS5-60000, Delivery Schedule" letter dated May 14, 1999. This plan and the associated schedule will be revised, as required, based on the negotiations.

1.3 Purpose

The purpose of this plan is to provide the approach for and the road map to the ECS 5A system release. This plan describes the ECS's response to the requirements specified in Appendix B.

1.4 Status and Schedule

DID 334 is a new deliverable under ECS's Contract Restructure. For Release 5A, most of the SW development effort is, essentially completed, and the integration and test phase has been started. Work does remain, however, for ESDT development and information is required from the Government to support that effort (see Section 3.10.2) Therefore, this document is focused on the test program and the basis for it.

It is essential to understand that as the development progresses some elements of this document may change, e.g., defect analysis may require modification or relaxation of certain elements specified by this document (such as capabilities associated with 5A). These changes will be negotiated and revisions to the document will be provided.

1.5 Organization

Section 2 provides the relevant documentation. Section 3 responds to the specific DID requirements. Section 4 provides additional information regarding ECS's verification approach. Section 5 lists the documentation related to 5A.

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2. Related Documentation

2.1 Parent Documents

Parent documents are documents from which the Science System Release Plan's scope and content are derived.

803-RD-025-001	Mod 86, The ECS Restructure Proposal for Contract NAS5-60000
423-41-01	ECS Statement of Work, December, 1998, as modified by the proposed ECS Restructure Proposal modifications.
423-41-02	Functional and Performance Requirement Specification for the Earth Observing System Data and Information System (EOSDIS) Core System, Revision B, December, 1998, as modified by the proposed ECS Restructure Proposal modifications.
ECS 999-TR-951-024R	NAS5-60000, Delivery Schedule

2.2 Applicable Documents

The following documents are referenced within this Science System Release Plan or are directly applicable, or contain policies or other directive matters that are binding upon the content of this volume.

	Build Plan for Version 2.0 Drop 5A Iteration
211-TP-005-001	Transition Plan 4PX to 4PY, 4PY to 5A, and 5A to 5B for the ECS Project
TT-1-001	Test Procedure Execution and Documentation, ECS Project Instruction

2.3 Information Documents

2.3.1 Information Documents Referenced

None

2.3.2 Information Documents Not Referenced

The following documents, although not referenced herein and/or not directly applicable, do amplify or clarify the information presented in this document. These documents are not binding on the content of this volume.

101-CD-001	Project Management Plan for the ECS Project
224-CD-001	Release B Release Plan for the ECS Project
220-WP-003	V2.0 Baseline Deployment Plan

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3. 5A System Development and Release

3.1 Background

Since Release 5A has already been developed, the objective of this section is to concentrate on responding to the DID 334 requirements. According to the SOW, DID 334, the Release plan shall include the following:

- Define priorities for capabilities.
- The F&PRS requirements to be satisfied by the Release
- Specific NCR corrections to be included in the Release
- System changes required (e.g. COTS upgrade) for the Release
- Build and drop/patch plans and information
- Customer reviews (e.g., design, test) to be conducted
- Schedule of key activities from start of work through acceptance testing
- Progress metrics
- Risk mitigation plans and external drivers (e.g., launch dates)

3.2 Release Capability Priorities

Release 5A is developed based on the set of features provided in Appendix A. These features are in support of operational readiness and provide the following major functionality:

- External Interface for orbit data from FDS. Release 5A provides the additional interface to ingest orbit data for AM-1 from the Flight Dynamics System (FDS). This interface is provided to obtain replacement orbit data from FDS in cases whether the orbit data received from EDOS is either missing or found to be bad.
- DAO Ingest**.** Included is the capability to ingest products generated by the Data Assimilation Organization (DAO). These products, a number of "First-Look" analysis products (DFLAPCHM, DFLAPMIS, DFLAXCHM, DFLAXCLD, DFLAXENG, DFLAXLSM, DFLAXMIS, DFLAXSTR) and two "late-look" products (DLLAPMIS, DLLAXMIS), are made available as ancillary data products for the instrument team data processing.
- Ingest, and archival of the SAGE III Level 0 data from the MOC. The functionality to ingest and archive the SAGE III Level 0 data is also supported as part of 5A. The level 0 data is also made available, via standard subscription services, to the SAGE III SCF for higher level processing.

- Ingest and archive of metadata from Landsat 7 IGS. Also included in 5A at EDC is the capability to ingest and archive metadata for Landsat 7 scenes available from International Ground Terminals (IGSs). The IGS scene data itself is not stored in ECS, just the metadata for the IGS scenes. 5A will only provide support for metadata 0 format (combined format 1 and format 2).

- High volume data ingest from external processing systems using the SIPS interface. The additional support in 5A for the SIPS interface provides the capability to receive, ingest and archive data products from external processing systems. This functionality supplements the capability provided in 4PY to deliver lower level products to the external providers through the subscription interface. The ingest capability will use the Polling with Delivery Record (PDR) standard ingest interface with added features to support pointers and linkages to associated input granules and browse, QA and production history granules. In the 5A timeframe, this interface supports data ingest from LaTIS, MODAPS, SAGE III SCF and ASTER DEM.

- Cross-DAAC data (unsubsetted) transfer to support across-DAAC data production. The Cross-DAAC data transfer functionality supports the capability to transfer unsubsetted data products form one DAAC to be automatically ingested into another DAAC or mode within the same DAAC. This functionality involves the Distribution Subsystem placing the requested granules into a specified directory and issuing a Distribution Notification (DN) message to an appropriate mail address configured for the requested DAAC/Mode to receive the data. The Ingest subsystem of the receiving DAAC/Mode is then initiated through notification of the email message. The Ingest Subsystem of the remote DAAC/Mode will then use the DN information to "create" a standard Product Delivery Record (PDR) and then use the standard "Polling with PDR" interface to ingest the associated data granule(s). The transfer may be initiated either through a data product subscription or client interface request for a data product.

- Support for ASTER 1A/1B expedited data. With the delivery of the Cross-DAAC capability discussed above, the complete functionality is available to support the production of ASTER 1A/1B expedited data products. This will require the GSFC DAAC to be configured to transmit the ASTER Level 0 expedited data, via subscription using the Cross-DAAC transfer capability, to EDC. After automatic ingest of the ASTER Level 0 expedited data at EDC, operations at EDC use the ECS standard data production capabilities to request the processing of the data to produce the ASTER 1A/1B expedited data products.

- PDPS internal delete data from archive. Release 5A will include the functionality for PDPS to request the deletion of data granules from the archive. This will be used to delete products that are produced by PDPS and temporarily stored such as the on-demand ASTER products.

- COTS Upgrades for Y2K compliance.

  Drop 5A will also contain any COTS upgrades that are required to support Y2K compliance.

The missions supported by Release 5A are shown in Table 3.2-1.

Table 3.2-1. Mod 86, Topic 1, Launch Date and Releases GR&A

Identifier	Satellite	Launch Date	SSI&T	Operations Version
T1.1.1-10	Landsat-7	15-Apr-1999	N/A	4 or later
T1.1.1-20	AM-1	15-Jul-1999	4 or later	4 or later
T1.1.1-30	Meteor/SAGE III	31-Jul-1999	N/A	4 or later
T1.1.1-40	FOO/ACRIM	31-Oct-1999	N/A	5A

3.3 F&PRS Requirements

The allocation of 5A L3 requirements and requirement interpretations are provided in the Appendix B.

3.4 Merged NCRs

Appendix C, 5A Merged NCRs, provides the list of NCRs that were fixed and merged during 5A development.

3.5 Release 5A COTS Changes

The procedures covering the life cycle of upgrading a COTS product are depicted in the ECS COTS Upgrade Process figure, Figure 3.5-1. The process includes the requirements process that will initiate an upgrade activity, the reviews and sign off review boards utilized along the way as checkpoints/milestones to insure accuracy, adequate verification, and coordination with all ECS segments, customer activities, and DAACs that will be the recipient of the upgrades.

The CCR process is the key activity providing the reviews/system checks to insure performance and system validation standards are met. These begin with the procurement of the upgrade, the introduction of the upgrade into Developments domain for analysis installation and test within the IDG Cell and the Functionality Lab. Upon satisfaction through Development, the product is ready for transition to System Test within the VATC. System Test selects the appropriate tests from the System VDB, and RTSC is coordinated with to perform the installation. Satisfactory completion of the VATC activities results in the product being prepared for a Preliminary Ship Review (PSR). The PSR verifies all testing and performance milestones have been met, installation instructions prepared and checked out before the product is released for delivery to the customer. A release CCR is generated to accomplish this release. ECS PI CM-1-005 describes the turnover and installation of COTS procedures.

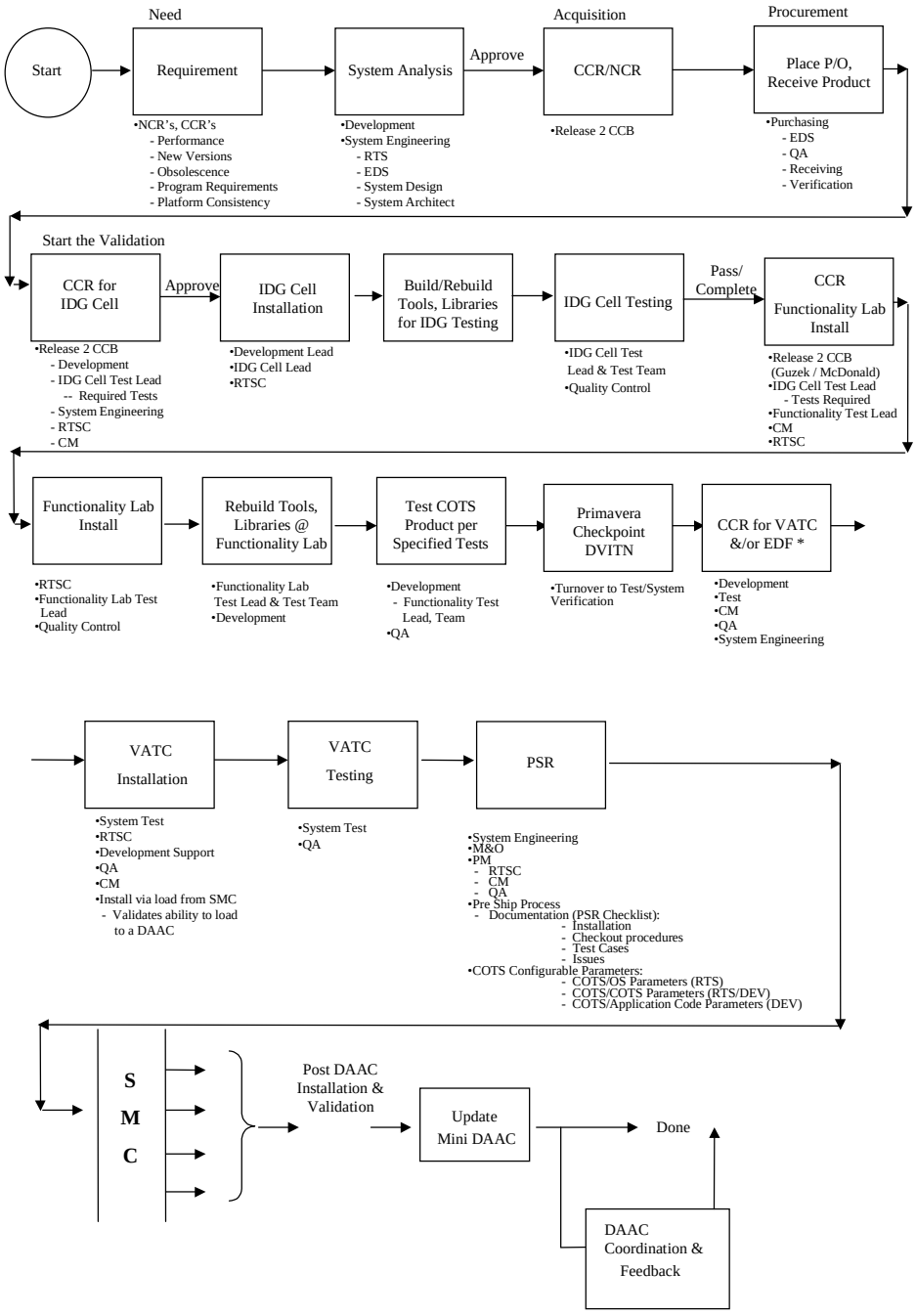

Figure 3.5-1. COTS Life Cycle Process

The COTS products that are included in Release 5A were selected for inclusion for the following reasons:

- Vendor discontinuing support for a particular version
- Product being upgraded to fix 'Bugs'
- Release functionality requirements associated with Release 5A
- Y2K compliance requirements

The COTS products included in Release 5A are listed below:

1. SUN Patch Bundle and DCE CPL-1
2. SGI DCE 1.1c, O/S Patch, Compiler 7.2.1 (IRIX 6.2, with patches)
3. HP O/S 10.20
4. Remedy 3.2
5. HP Openview 4.1 with Patches (5.01/6.0)
6. DDTS 4.1
7. Flex/LM 6.1
8. Raytheon Class Libraries 3.2
9. OS/2 Warp V3 Patch
10. AMASS 4.9.1
11. ACSLS
12. XRP II 3.1
13. Netscape Communicator 4.5
14. Netscape Enterprise Server 3.6
15. SQS (Sybase Open Client and Open Server), Version 2
16. AutoSys 3.4.2
17. Volume Manager 2.6
18. Disk Suite 4.1
19. Zebra Stripe Printer Connector
20. Java Runtime Environment (JRE) 1.1.7

3.6 Build Plan

ECS Development Construction Office has developed a build plan for 5A, i.e., "Build Plan for Version 2.0 Drop 5A Iteration." This build plan was published on February 10, 1999.

3.7 Customer Reviews

Customer reviews for 5A consist of Consent to Ship Review (CSR) and Site Readiness Assessment (SRA).

Formal tests for 5A Release are run to verify a predefined set of system capabilities reflected in the Features. All feature requirements demonstrated in the VATC are addressed as part of formally witnessed tests. This phase concludes with a CSR. The CSR documents the results of the VATC test program including requirement verification status, liens associated with the release, and a lien work-off plan as well as COTS H/W & S/W PCA if needed.

The SRA will be conducted to review the completion of the test program at each DAAC. At the SRA, the results of site testing, custom software PCA, and existing liens against system functionality with work-off plans including determination of system readiness to transition are documented and reviewed.

3.8 Schedule of Key Activities

The project schedule is maintained on line with the Primavera system and is compiled and delivered to the customer on a weekly basis as the weekly 447 report. Additionally, on-line access is provided to compiled project schedule in the Primavera system. Appendix D provides a high level schedule for remaining 5A activities.

3.9 Progress Metrics

Metrics are used as a management tool to assess progress, adjust resources, and aid in the delivery of ECS/SDPS. Planned versus actual metrics aid in determining progress towards the planned goals. These types of metric are used by all subsystems and disciplines. Other types of metrics include the rate of discovery of problems or issues, the rate of changes in code, and the rate of new code being developed. These rate metrics provide trends that predict system stability and help identify additional potential resource needs. The Program Manager will maintain a sustained emphasis to continually improve the data collection, analysis and presentation of the relevant metrics of the project.

Selected metrics presentation charts and their updates are presented at the Daily Status Reviews, and posted for use and reference by interested individuals, and formally provided in the weekly update to the monthly program report.

Metrics delivered each week include:

A) Code & Unit Test Plan vs. Actual

B) Integration Plan vs. Actual

C) Severity 1, 2, & 3 NCRs Prior to ‘T’ State

D) NCR Work-off Actuals vs. Projections

E) DAAC Support Desk Trouble Tickets Open vs. Closed

F) SLOC by Sub-System

G) SV/AT Tests Planned vs. Actual

3.10 Risk Mitigation Plans

3.10.1 Risk Management Approach

Achieving balanced technical/cost/schedule performance, the ECS project emphasizes risk identification and management. This section describes the project's approaches to this critical process.

The project management at the Daily Status Reviews (DSR) reviews the current status of the ECS Project on a daily basis. Each ECS department presents current data across technical, schedule, and multi-activity. At the DSR issues are discussed and multidisciplinary inputs are provided to project management so that informed decisions can be made to manage potential project risks.

In addition to the weekly accomplishments provided at the DSRs, which include review of activities scheduled in the Primavera, the project management conducts a weekly meeting to review and resolve detailed scheduling issues using data provided by the Scheduling personnel. In this meeting, issues related to the activities that impact overall ECS schedules are discussed and decisions are made to mitigate schedule impacts.

3.10.2 Known Risks

Issues with potential technical, cost and schedule impacts will be routinely identified and evaluated during the normal course of program execution. Currently, three major areas of risk are identified. These include the deliveries from the science teams, Interface Control Documents (ICD), and the transition to new releases during mission operations.

Based on experience with the program to date, a major schedule and cost driver relates to the timely and complete delivery of required information, both metadata and PGEs, from the respective instrument teams. Failure to deliver this data in a timely fashion can result significant delays in the integration and testing of science algorithms into the ECS system. The Table 3.10.2-1 through 3.10.2-3 provide the need dates for key science related GFP for the 5A Release Plan.

Another risk is associated with the SIPS ICD volumes. Presently, these ICDs are late that put ECS at risk for Release 5A delivery. 5A design requires information on the specific data items, whether there are non-standard linkages and file types, the maximum data volume and throughput requirements, the PDR server definition, the PDRD and PAN delivery methodology for this release, and other relevant information.

The two major risks associated with transition include operational impacts (possibly including data loss) due to an excessive amount of operational down time, and the potential loss or corruption of existing data holdings. Constraints on the operational downtime include the ability of upstream systems (e.g. LPS and EDOS) or ECS to buffer data without loss, and the ability to 'catch-up' on the resulting data backlog, including ingest, production, and distribution.

Table 3.10.2-1. Science Software Deliveries

Mission	Instruments	Beta Delivery	Version 1	At Launch
FOO	ACRIM	N/A	N/A	N/A
ADEOS II	AMSR	N/A	N/A	N/A

Table 3.10.2-2. Delivery of Instrument Test Data

Mission/Site	Instrument	At launch data formats including metadata	24 hours of data
FOO	ACRIM	3/1/1999	3/1/1999
ADEOS II	AMSR	3/1/1999	3/1/1999

Table 3.10.2-3. Delivery of Production Rule and SDP Toolkit Needs

Mission	Production Rule Requirement Need Dates	SDP Toolkit Requirements Need Dates
FOO/ACRIM	N/A	N/A
ADEOS II/AMSR	N/A	N/A

3.10.2.1 Science Software Integration and Testing (SSI&T)

SSI&T support for AM-1 instruments will be performed using the at-launch version of the algorithms. Early integration of those algorithms in the EDF will be performed to the extent feasible by the allocated budgets.

There are no SSI&T requirements for the ACRIM and ADEOS II instruments.

3.10.2.2 ESDTs

ESDTs for the AM-1 and SAGE III instruments have been developed and delivered by Release 4. Additional ESDT work is limited by the number of ESDTs shown in Table 3.10.2-4.

Table 3.10.2-4. New ESDTs

Platform/Instrument	Number of new ESDTs
Adeos II/AMSR	1
FOO/ACRIM	1*

* The number of ESDTs does not reflect the recently provided change by ESDIS

3.10.2.3 Mitigation

Science Data Engineering, within allocated budgets, actively interfaces with, provides information to, and receives science-oriented guidance from the ERG, the Data Panel, the EOS

Program and Project Scientists, and other ECS-supported activities. Conflicts regarding guidance are called to the attention of, and resolved by, the Government. Any resolutions affecting the terms of this revised contract are handled via the CO/COTR.

Further, to allow the Government to facilitate the delivery of the needed data in a timely fashion, notification of the need dates shown in the previous sections was provided to the Government:

- Informally in early February, 1999,
- Via a letter to the Contracting Officer in mid-February, and
- Formally at the end of February, 1999, via the Technical Proposal and a revision to the Government Furnished Property plan with the Modification 86, ECS Restructure Proposal.

For ICDs, while development continues without ICD documentation, Interface Engineering group coordinates actively with the data providers and the ESDIS book bosses to support completion of the ICDs.

To address the risks associated with system transition, a transition plan is being developed and maintained. For 5A, this plan builds on the lessons learned during the 4PX-to-4PY transition and incorporates the following key features:

- Enhanced automation
- Integrated transition teams
- A multi-phase verification process

For the transition to Release 5A, the automation enhancements include additional changes to ECS Assist to improve the speed and reliability of the installations, advanced Update ESDT capabilities to expedite the transition of existing ESDTs, special mode-specific backup and restore procedures to recover the existing release, and numerous database update and verification scripts. Note that these items are being developed as a part of a post 5A patch.

The 4PY-to-5A transition will continue to employ integrated transition teams consisting of development, test, and site personnel. These teams, which proved highly successful for the 4PX-to-4PY transition at EDC, provide both development expertise as well as detailed knowledge of the site-unique configurations and issues.

Finally, the transition plan describes a multi-phase verification process which includes the following steps prior to a transition in OPS mode: 1) Initially, the transition procedures are thoroughly verified in the VATC. Although the VATC configuration varies significantly from the operation sites, a large portion of the functionality provided by the installation tools can be verified. During this phase, site personnel participate in practice installations. 2) On-site practice installations in the TS2 mode, to identify any issues that are unique to the site configuration. This phase includes practicing the fall-back to the previous build. 3) A ‘dress-rehearsal’ in the TS1 mode. This will allow the procedures to be practiced on the actual timeline. This step is repeated as required, and 4) Prior to operational transition, the site is provided the opportunity to perform additional testing, at their discretion.

4. System Verification Plan

4.1 System Verification Approach

Appendix A provides the planned list of Features to be tested in 5A. Features provide the functional capabilities required from the system to support the ECS related missions.

To verify that the ECS system satisfactorily supports the functions specified by the Features, ECS categorizes Features into related sets. A Feature Acceptance Ticket, or 'Ticket', is generated to represent each set. Each Ticket encompasses one or more Features. Similar to generating verification criteria for a set of requirements, ECS has developed acceptance criteria in the form of Functional Components and Error Conditions against the Features for each Ticket. System verification is accomplished by verification of the Functional Components and Error Conditions. Figure 4-1 presents the process for verification of Features.

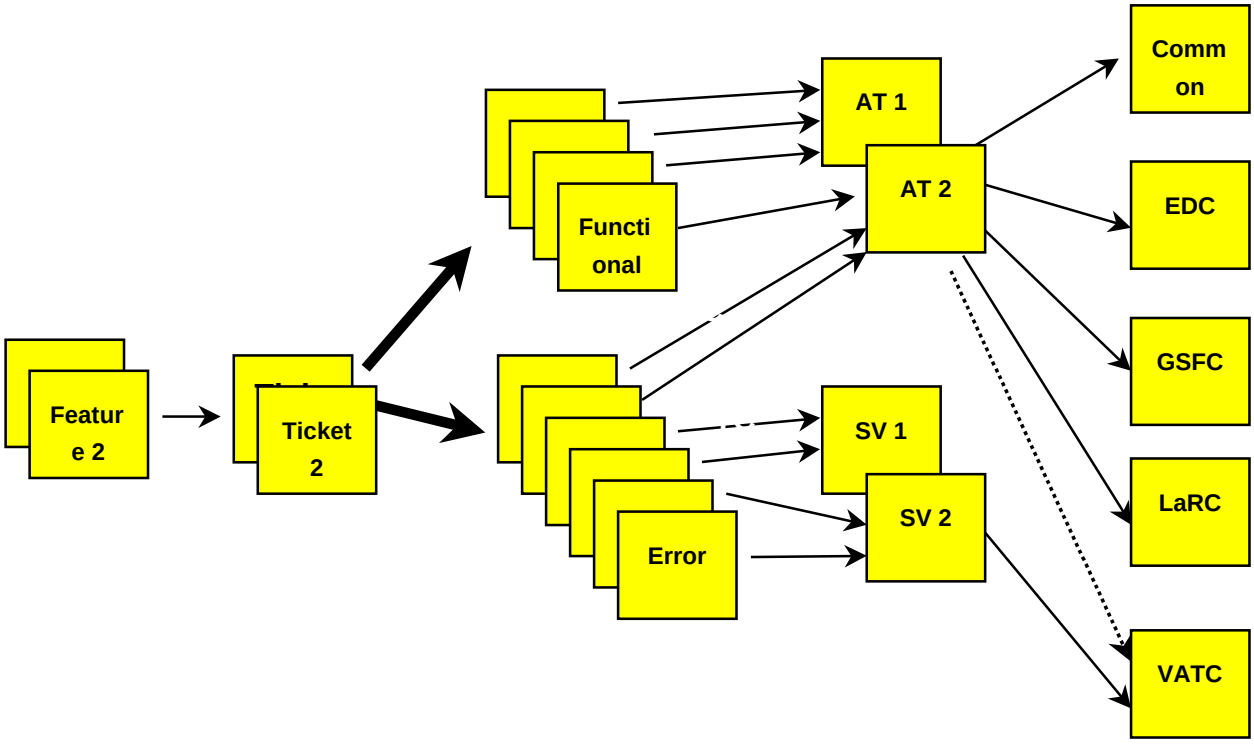

Figure 4-1. Feature Verification Process

4.2 System Verification & Acceptance Process

The system verification and acceptance process begins with approved Tickets. The System Verification and Acceptance (SVA) organization develops a set of tests to verify the new capabilities defined by Functional Components and Error Conditions specified in the Tickets. These test procedures are reviewed and commented on by the Architects Office and ESDIS and, after final updates, approved by ESDIS. The process for ESDIS approval is the same as the process for test procedures developed for Pre-launch Release. Excluding Y2K related tests, there are twenty-four Test Cases currently identified for Release 5A. These tests are delineated in the ECS Overall System Acceptance Test Plan (DID 409) and a full description of each of these tests is contained in the Acceptance Test Procedures (DID 411) document, which is an on-going, living document that is posted to the Web and frequently updated (http://dmserver.gsfc.nasa.gov/relb_it). The ECS Verification Database (VDB) also tracks Features, Capabilities, Criteria and Test Cases, and provides traceability between Feature Groups to Criteria and Test Cases to Criteria.

SVA will dry run and conduct formal tests to verify the approved Functional Component and Error Conditions of all tickets using the approved test procedures. The Acceptance Testing activity will take place in the VATC. There are no Site Acceptance tests currently planned or budgeted for Release 5A. If it is necessary, certain test may be scheduled for execution at the site if it is determined that site configuration or verification is needed to satisfy mission critical requirements. As each new build is installed in the VATC or Mini-DAAC, regression testing is performed to checkout the new software.

Test folders are created for each test procedure and maintained throughout the test program. Each test activity is recorded on Test Execution Forms and filed in their individual test folders. During the test process, discrepancies are noted on the Test Execution Form. Discrepancies are then recorded on NCRs, rated by the test engineer according to severity, and filed in DDTS. Test folders are returned to a secure location, under configuration control, after completion of each test session. Each folder may be subjected to a test folder audit to insure folder completeness and accuracy. Test folder audits are conducted weekly by the ECS Quality Office in accordance with ECS Project Instruction TT-1-001. The results are distributed and discussed with SVA personnel. If necessary, corrective actions are assigned and the folders are re-audited by ECS QO. The audits are designed to ensure compliance with test folder requirements as specified in TT-1-001 and to assist in the successful completion of the FCA.

As-executed procedures and workarounds are documented as a result of test dry-runs and formal executions. Workarounds to circumvent system deficiencies found during these tests are recorded on the Test Execution Forms in the test folders of the test case that uncovered the deficiency. The workaround is also recorded on the NCR and filed in DDTS as part of the NCR process.

The preparation of test results begins with the routine recording of test procedure execution results on the Test Execution Form maintained in the Test Folders. SVA test results are maintained from the working test level and passed upwards for their incorporation in the Test Folders, DDTS and the Verification Database. Test results are recorded on the Test Execution

Form and transcribed to the Feature Log maintained by each tester. These results are then entered into the Verification Database. This information and others will form the basis for the preparation of acceptance test results.

Transition testing is accomplished to verify the smooth transition from Release 4PY to Release 5A. This testing is dry run in the VATC and then performed on site. The SVA staff will also participate in the installation and checkout of Release 5A at each DAAC.

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5. Documentation Products

5.1 5A CDRL List

Table 5-1 provides the list of documentation associated with 5A Release.

Table 5-1. List of 5A Documentation

CDRL	DID/ Approval	Title	Science Delivery Schedule	Science Status/Rationale
043	302/DV1 (P) 302/DV2 (F)	ECS Facilities Plan	30-Jun-99	JPL Only
046	305/DV3 (P) 305/DV2 (F) 305/DV2 (U/D)	Segment/ Design Specifications	CSR – 2 weeks	Electronic delivery.
050	311/DV1	Database Design and Database Schema Specifications	CSR – 2 weeks	
051	313/DV3 (P), 313/DV3 (F)	ECS Internal ICDs	CSR – 2 weeks	
062	333/DV1	PGS Toolkit Users Guide for the ECS Project	None	No update required for 5A
069	409/VE1	ECS Science Acceptance Test Plan	None	Release 5B and later
070	411/VE1	ECS Science Acceptance Test Procedures	22-Mar-99	Electronic delivery
071	412/VE2	ECS Science Acceptance Test Report	CSR + 30 days	Electronic delivery
081	506/PA3	Audit Reports	CSR + 30 days	
108	535/PA1	Acceptance Data Package	CSR + 30 days	
116	609/OP1	Operations Tools Manual	CSR – 2 weeks	
117	611/OP3	Mission Operations Procedures	CSR + 2 weeks	Electronic delivery
124	618/OP3	Replacement Part List & Spare Parts List	31-Aug-99	JPL only
129	625/OP3	Training Material	CSR + 2 weeks	Electronic delivery
143	714/PP3	CSR Presentation Package	CSR + 2 weeks	
144	222/SE2	COTS Analysis and Modeling Report for ECS Project	Semi-annual	Deliveries will be based on negotiated date

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Appendix A. Features

The Features associated with Release 5A are separated into three different categories. The Table A-1 provides the list of Features relevant to 5A. The Table A-2 provides Features prior to 5A release. This list includes all those Features that require additional Capabilities scheduled for 5A. Other relevant features have some components applicable to Release 5A, even though these features are assigned to earlier releases as shown in Table A-2.

Table A-1. 5A Features

Feature Key	Feature Number	Feature Statement	Feature Release
120	1.12	Show the system can support the FDD interface for Orbit Data	5A
140	1.14	Show the system can support the Sage III MOC interface	5A
150	1.15	Show the system can support the DAO interface	5A
220	1.22	Show that the system can ingest data following EOSDIS data standards using polling with delivery record	5A
320	2.10	Show the system can ingest DAO data	5A
330	2.11	Show the system can ingest ASTER DEM data	5A
830	3.45	Show the capability for cross-DAAC data transfer in support of data production	5A
900	5.2	Show that an SCF can acquire and view production history data	5A
1110	5.23	Show the subscription server can support the encryption of FTP passwords for FTP push acquire actions	5A
1893	2.2	Show that the system can ingest data distributed by ECS into a different mode	5A
1894	2.17	Show the system can ingest data via the SIPS interface	5A
1895	3.47	Demonstrate support for converting FDD ephemeris data into orbit files	5A
1896	2.18	External interfaces for FTP Ingest of metadata (Metadata0 format) from Landsat-7 IGSs	5P

Table A-2. Relevant 5A Features

Feature Key	Feature Number	Feature Statement	Feature Release
1080	5.20	Show the system can support single and multi-site data searches	1
1130	5.26	Show the system can support single and multi-site data orders, including order tracking	L7
1250	5.38	Show operator can create, modify and delete schema configuration information, attributes, valids, values, definitions	4P1
1360	7.1	Show the system can use HP OpenView and Tivoli to perform network monitoring, application monitoring, COTS monitoring and O/S Monitoring, including error detection with threshold checking	4P
1380	7.3	Show the system can support trouble ticketing	1

Appendix B. L3 Requirements

The following table contains the Release 5A L3 requirements from Revision B of the December 1998 F&PRS including changes assumed by ECS for the Option A+ ECS Restructure Proposal. The "L3 Release" column indicates whether the requirement is satisfied in some part by Release 5A. "EOC" in this column represents End Of Contract and indicates that the requirement can not be fully satisfied until then. But these EOC requirements are listed here because of their applicability to Release 5A as intermediate requirements. Interpretations of some L3 requirements are included to facilitate agreement on their meaning.

Table B-1. L3 Requirements (1 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
DADS0131	5A Future	The ECS at the LaRC DAAC shall receive SAGE III L0 data from the SAGE III MOC.	
DADS0140	5A Future	The ECS DAACs shall receive from other ECS DAACs the following: a. L0-L4 data b. Metadata c. Ancillary data d. Calibration data e. Correlative data	
DADS0170	5A Partial	The ECS shall be capable of receiving from Landsat the following: a. L70R data sets b. Metadata c. Ancillary data d. Calibration data e. Engineering data	Future: IGS metadata and browse data
DADS0190	5A Partial	The ECS shall receive from the SCF the following: a. Special products (L1-L4) b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Science Software g. Standard Products (L1-L4)	The ingest of SCF data products will be supported by the SIPS interface which is further specified in SDPS0092 and SDPS0093.

Table B-1. L3 Requirements (2 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
DADS0205	5A Future	The ECS shall be capable of receiving data in any and all formats produced by the distribution service specified in section 7.5.2.3.5.1 of this specification.	This is needed to support the Option A+ concept of remote insert.
DADS0470	5A Partial	The ECS DAAC at the EDC shall provide storage for the following Landsat 7 data: a. Level OR data b. Associated metadata and browse c. IGS metadata and browse d. Associated calibration and metadata e. Calibration updates and metadata f. Engineering Data	Future: item c is future.
DADS0472	5A Future	The ECS shall provide the capability to temporarily store and provide access to an average of 4 scenes per day up to a maximum of 10 scenes per day of ASTER Level 1A and 1B expedited data.	This is a companion requirement to PGS-0598.
DADS0490	EOC Partial	The ECS shall archive Level 1B - Level 4 data products.	Current: Level 1B Future: Level 2 - Level 4

Table B-1. L3 Requirements (3 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
DADS0491	5A 6A Future	The ECS shall provide the capability for an authorized operator to delete data products.	5A: delete from archive 6A: granule deletion administration The operator will be able to select products for deletion by ESDT short name, version, and temporal coverage or insert time range. At the operator's choice, the deletion shall include or exclude the inventory metadata (i.e., cause a physical delete or only a delete from archive). ECS will display the number of granules which have been selected for deletion, and prompt the operator for confirmation, after which the deletion will take place (i.e., there will be no time period during which the granule is only "logically deleted"). The SDSRV will enforce referential integrity constraints for any dletions of metadata (i.e., for a complete physical deletion, products need to be deleted in the correct order).
DADS1235	5A Partial	The ECS shall temporarily store expedited data received for 48 hours.	Current: data is stored and not deleted Future: manual deletion Assume that the capability for manual deletion (DADS0491) will encompass this. Expedited data storage capacity is estimated as 0.02 of the daily Level 0 ingest multiplied by two for two days of storage: GSFC 6.4 GB (ASTER and MODIS);LaRC 1.9 GB (MISR, CERES, and MOPPIT). (ref: ECS F&PRS Appendix C, Table C-1 and EOSD1030 for 2%)

Table B-1. L3 Requirements (4 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
DADS1370	EOC Future	The ECS shall provide a mechanism for statistically monitoring both the raw and corrected bit error rate (BER) of storage media in the archive.	This requirement will only be satisfied if the FSMS COTS vendor supports this capability. .
DADS1472	EOC Partial	The ECS shall contain the capacity to respond to contingencies and peak loads.	Current: the intermediate work load expected at launch Future: the full contractual work load and planned STMGT enhancement for improved peripheral scheduling on multiple platforms The capacity to respond to special needs is provided by utilizing resources that would normally be allocated for reprocessing which will temporarily reduce the volume of reprocessing being accomplished.
DADS1640	EOC Partial	The DADS shall support the number of files derivable from Appendix C, with the ability to expand to match growth.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
DADS1805	EOC Partial	The ECS shall provide an inventory system capable of the following: a. Accepting the number of new inventory entries, one per granule, for the number of granules per day as specified in Appendix C b. Uniquely identifying each data granule c. Tracking the physical location of each data granule.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.

Table B-1. L3 Requirements (5 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
DADS2778	EOC Partial	The ECS shall be capable of receiving and archiving three days' worth of data (see Appendix C) in any given day.	One day's worth of data accounts for first time production requirements, the other two days' worth of data account for reprocessing requirements. Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
DADS2900	EOC Partial	The ECS shall provide archival capacity for current volume requirements plus one year. Volume requirements are specified in Appendix C.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
DADS3100	EOC Partial	The ECS shall be capable of transmitting data over communications network in support of: a. ECS data production requests at the data rate specified in Appendix C b. External data production at the data rate specified in the SIPS ICD c. Data distribution requests at a rate equivalent to one half of daily product archive volume (L0-L4) d. Up to 80% of the Landsat daily distribution volume as specified in Appendix C	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
DADS3105	5A Future	The ECS shall be capable of ingesting and archiving data in support of external data production at the data rate specified in the SIPS ICD.	
DADS3110	EOC Partial	The ECS shall be capable of distributing data via approved physical media at a rate equivalent to one half of the daily product archive volume (L0-L4 data excluding Landsat 7) at that DAAC and up to 20% of the Landsat daily distribution volume as specified in Appendix.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
EOSD0030	5A Partial	The ECS shall, during its lifetime, ingest, archive distribute and provide search and access for EOS, Landsat 7 (including IGS metadata and browse) and related non-EOS data and products.	Future: IGS metadata and browse

Table B-1. L3 Requirements (6 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
EOSD1015	EOC Partial	Each ECS DAAC that receives instrument Level 0 data from EDOS shall provide the capability to ingest and archive the data at a rate that is equivalent to 1.2 times the DAAC's average Level 0 input rate.	Current: for the intermediate work load expected at launch Future: for the full contractual work load ECS interprets "archive" in this requirement to mean the capture of L0 data from EDOS and insertion of L0 granules onto the Data Server. The .2 of 1.2 provides capacity to recover from outages.
EOSD1082	5A Future	The ECS shall make available to the users externally generated products within 24 hours after receipt of those products from the external data providers.	
EOSD5250	5A 5B Partial	The ECS shall enable access to configuration controlled applications programming interfaces (APIs) that permit development of DAAC-unique value added services and products. The interfaces include: a. V0-ECS Gateway b. SIPS/LaTIS Gateway c. Search and Order Gateway	Current: V0-ECS Future: SIPS (5A); Search and Order Gateway (5B)
IMS-0130	5A 5B Future	The ECS shall verify that a user is authorized to access a particular ECS service before providing the service to the user.	This includes users of external clients supported by ECS gateways. Authorization only supported for DARs (5A), L1B on demand production (5B) and restricted granules (5B).
IMS-0150	5A Partial	The ECS shall supply a user interface for access to the following services: a. User registration b. Data Acquisition Request submission and status c. Earth Science On-Line Directory.	Current: items a, c 5A: item b - Java DAR Tool
IMS-0510	5A Partial	The ECS shall provide the following tools for research planning and data: a. Data acquisition schedules and plans b. The capability to map specified geophysical parameters to the appropriate instrument and/or Standard Product c. Geographic reference aids	Current: b Future: a, f means FOS plans - ECS provides no viewing software (f) Geographic reference aids limited to those planned for the Java DAR Tool

Table B-1. L3 Requirements (7 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
IMS-0625	5A 5B Partial	The ECS shall support V0 requests for a. Access to ECS inventory metadata (including ECS core and product specific metadata attributes) and browse data b. Ordering of data products (including Landsat 7 Level 0R fixed WRS and floating scenes) c. On-demand processing of ASTER data products d. Price estimates for Landsat 7 Level 0R fixed WRS and floating scenes e. User profile information f. Production history g. Science software h. Spacecraft housekeeping and ancillary information i. Engineering data j. EOC historical data	Current: items b (L70R fixed WRS), d (L70R fixed WRS), e, f, g, h, I Future: items a (5B), b (floating scenes at 5B), c, d (floating scenes at 5B), j
IMS-1071	5A Future	The ECS shall provide the capability for users to construct a standing Product Order associated with a Data Acquisition Request.	Subscriptions are automatically associated with DARs.
IMS-1075	5A Future	The ECS tool that provides users with the capability to construct and submit DARs shall be accessible from personal computers and workstations, without requiring users to install ECS client software.	
IMS-1140	5A Partial	The ECS shall provide ASTER instrument specific graphic displays to help with the creation of data acquisition requests, which shall include geographic reference aids	Current: X/Motif DAR Tool Future: Java DAR Tool
IMS-1170	5A Future	The ECS shall provide ASTER instrument specific help to assist with setting instrument parameters.	
IMS-1195	5A Partial	The ECS shall validate ASTER DAR parameters against constraints provided in the ASTER GDS ICD.	Future: Selected validations will not be enforced until the Java DAR Tool

Table B-1. L3 Requirements (8 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
IMS-1230	5A Future	The ECS shall accept from the ASTER GDS and provide to the requester such information as data acquisition request confirmation or rejection, and notification of data acquisition request scheduling and completion, to include: a. Date and time b. Instrument ID c. Data acquisition request ID d. Request status e. Implementation schedule f. If rejection, then the reason for the rejection	
IMS-1790	EOC Partial	The ECS shall provide, based upon the data model defined in Appendix C, sufficient storage for: a. Directory metadata b. Inventory metadata c. System space, management data, and data base system overhead d. Metadata staging area e. Spacecraft housekeeping and ancillary data metadata f. Metadata describing ECS supported and externally provided (unsupported, non-ECS) software. g. Summary data statistics h. User workspace	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load. Number of inventory entries for Release B0 archives is derived from the capability to accommodate the Release B0 supported missions until 1 year after AM-1 launch (middle of 99). The number of inventory entries at GSFC is also sized to support the CERES (TRMM) data (along with required ancillary) and V0 migration data. EDC and NSIDC are also sized to support V0 migrated data. Total accumulated number of inventories for Release B0, derived from the Feb.,1996 Technical Baseline (Release B0 procurement baseline), is 5009K @ GSFC, 1187K @ LaRC, 2764K @ EDC, and 479K @ NSIDC. The number of V0 migration files was derived by assuming an average size of 50 MB per file. Note: The specified TRMM/TSDIS storage volumes are to accommodate possible future data migration

Table B-1. L3 Requirements (9 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
PGS-0596	5A Future	The ECS shall provide hardware for the production of ASTER Digital Elevation Model (DEM) products. (Specific COTS software for DEM production is provided by the ASTER science team.)	
PGS-0598	5A Future	The ECS at the EDC shall provide the capability to generate an average of 4 scenes per day up to a maximum of 10 scenes per day of ASTER Level 1A and 1B expedited data.	This is a companion requirement to DADS0472. 1) Expedited data will require manual ingest at EDC until the LaTIS capability is complete 2) ECS assumes that the science software delivered from GDS is compliant with ECS science software standards and will require no modifications by ECS. No additional ancillary data products are required and any static ancillary products are delivered by GDS along with the science software.
PGS-1300	EOC Partial	The ECS at each DAAC shall provide a processing capacity as shown in Table C-1 of Appendix C which accounts for: a. normal processing demands b. reprocessing demands c. Science Software integration and test demands, production of prototype products, and ad hoc processing for "dynamic browse" or new search and access techniques developed by science users.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
PGS-1301	EOC Partial	The ECS effective CPU processing rates used for sizing purposes in PGS-1300 shall not be greater than 25% of peak-related CPU capacity.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.
PGS-1315	EOC Partial	The ECS shall have the capacity to support data production I/O to temporary and intermediate storage as required by individual Science Software.	Current: Support of intermediate contractual operational load. Future: Support of final contractual operational load.

Table B-1. L3 Requirements (10 of 10)

L3 ID	L3 Release	L3 Requirement Text	Interpretation Text
SDPS0021	EOC Partial	The ECS shall convert ancillary data sets as identified in Appendix E from their native formats into ECS internal formats to allow access by science algorithms.	Current: Limited to at-launch product support Future: Support for all AM-products and for later missions beyond AM-1
SDPS0091	5A Future	The ECS shall receive a quality report that is generated and transmitted by the PIs or the other science users, and associated with the data products being archived by the ECS.	
SDPS0130	5A Future	The ECS shall provide the capability for DAACs to exchange data products, metadata, and data quality information.	
SDPS0240	5A 5B Future	The ECS shall support the production of CERES/AM-1 standard products generation at the LaTIS, and provide the archive and distribution of CERES products from the ECS. In support of this requirement ECS shall: a. provide CERES Level 0 data, ancillary data, and other AM-1 instruments' data products required for CERES processing to LaTIS b. archive Level 1 through Level 4 CERES science products produced at the LaTIS c. provide previously archived CERES and ancillary data to LaTIS for reprocessing	
SDPS0250	5A Future	For the first six months following the launch of AM-1, the ECS shall support the production of MOPITT/AM-1 standard products generation at the MOPITT SCF, and provide the archive and distribution of MOPITT products from the ECS. In support of this requirement ECS shall: a. provide MOPITT Level 0 data, ancillary data, MOPITT processing to MOPITT SCF b. archive Level 1 through Level 4 MOPITT science products produced at the MOPITT SCF c. provide previously archived MOPITT and ancillary data to MOPITT SCF for reprocessing	

Appendix C. 5A Merged NCRs

This appendix contains a list of all NCRs that represent code or files that were merged during the 5A integration effort. This list was generated by choosing all the NCRs with Merge Build ID between 9/4/98 and 2/10/99 and not a part of any of the 4PX Patches.

This list includes NCRs that were written by the Development organization (Test Site is EDF) and by all other organizations (Test Site is not EDF). It has not been scrubbed to remove NCRs that were fixed relating to capabilities that were descoped from the 5A delivery (e.g., JEST).

St=T, Sv=2, Bug id = ECSed19233, Subsystem = RelB0_CLS
Desc: EOSView: Cannot Display Quier.hdf File Image
Submitted by = , Found: 981119, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=4, Bug id = ECSed17566, Subsystem = RelB0_CLS
Desc: EOSView:Error Message Doesn't Make Sense
Submitted by = , Found: 980831, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=4, Bug id = ECSed19682, Subsystem = RelB0_COTS
Desc: XRP11 provides two status messages for the same action.
Submitted by = , Found: 981215, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=2, Bug id = ECSed20430, Subsystem = RelB0_DBDM
Desc: The EcCoDbSyb_CkErrorLog script is failing due to permission problems
Submitted by = evidal, Found: 990125, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed16917, Subsystem = RelB0_DDIST
Desc: DDIST core dumps upon calling DsStResourceProvider destructor
Submitted by = , Found: 980811, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=1, Bug id = ECSed20500, Subsystem = RelB0_DMS
Desc: V0 GTWAY cannot both send cost and acquire
Submitted by = , Found: 990128, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=3, Bug id = ECSed16246, Subsystem = RelB0_DMS
Desc: Error message needed for failed directory searches of ECS data via B0SOT
Submitted by = cwhitake, Found: 980715, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed18406, Subsystem = RelB0_DPS
Desc: Install/Toolkit: Sym links missing on science processor
Submitted by = , Found: 981009, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed13750, Subsystem = RelB0_DPS
Desc: l0sps03: mkcfg: DPS Install Should Check for DAAC Toolkit
Submitted by = , Found: 980402, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed13774, Subsystem = RelB0_DPS
Desc: Hdiff core dumps
Submitted by = dzokaite, Found: 980403, Iteration = Drop 4PY
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed16569, Subsystem = RelB0_DPS
Desc: DisplayJobStates: Should call emacs instead of xemacs
Submitted by = , Found: 980731, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed18218, Subsystem = RelB0_DPS
Desc: Autosys: Error messages for exceeding run-time space not readable
Submitted by = , Found: 981001, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18780, Subsystem = RelB0_DPS
Desc: Job Management Client crashes when DPR is a non numeric character
Submitted by = , Found: 981022, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19237, Subsystem = RelB0_DPS
Desc: EcDpPrDisplayJobStates Does Not Remove Output Files
Submitted by = , Found: 981119, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed19276, Subsystem = RelB0_DPS
Desc: SSIT: Acquired MCF file should have version in the name
Submitted by = , Found: 981123, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed13287, Subsystem = RelB0_DPS
Desc: -o flag does not work for Prolog Extractor
Submitted by = dzokaite, Found: 980319, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=4, Bug id = ECSed14286, Subsystem = RelB0_DPS
Desc: DPS: Should not set CMTOP=/ecs/formal in Mkcfg files
Submitted by = , Found: 980424, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed15631, Subsystem = RelB0_IDG
Desc: Files need to be in same Directory as Subscription Driver
Submitted by = , Found: 980617, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=1, Bug id = ECSed20356, Subsystem = RelB0_INGST
Desc: Copy of .meta file to staging disk error for D3 Ingest
Submitted by = , Found: 990121, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=1, Bug id = ECSed20490, Subsystem = RelB0_INGST
Desc: EcCsFtpScript problem concerning Drop 4PY AM1ANC Remote Ingest
Submitted by = , Found: 990128, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=1, Bug id = ECSed20516, Subsystem = RelB0_INGST
Desc: Grib data type failed with multiple granules in PDR
Submitted by = , Found: 990129, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=1, Bug id = ECSed20613, Subsystem = RelB0_INGST
Desc: The copy script for AM1ANC data was not delivered/installed in Drop 4PY
Submitted by = , Found: 990204, Iteration = Drop 5A
Need fix by: Emergency

St=V, Sv=1, Bug id = ECSed20656, Subsystem = RelB0_INGST
Desc: ICT3 - MOP00TBL is not support in the database
Submitted by = bengle, Found: 990205, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=3, Bug id = ECSed09149, Subsystem = RelB0_INGST
Desc: Monitor/Control function End Date/Time error
Submitted by = , Found: 970926, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed10577, Subsystem = RelB0_INGST
Desc: Unable to update the InSourceMCF table using MSACCESS
Submitted by = , Found: 971212, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed17804, Subsystem = RelB0_INGST
Desc: Ingest installs with extra table
Submitted by = , Found: 980914, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19166, Subsystem = RelB0_INGST
Desc: Metadata Configuration File error message
Submitted by = , Found: 981117, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed19474, Subsystem = RelB0_IOS
Desc: IOS Server searches gives inconsistent responses
Submitted by = , Found: 981203, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed16858, Subsystem = RelB0_MSS
Desc: MSS E-mail .iu's and .pkg's not correct
Submitted by = , Found: 980731, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed17780, Subsystem = RelB0_MSS
Desc: ECS assist make configuration files
Submitted by = , Found: 980911, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19821, Subsystem = RelB0_MSS
Desc: File Ownership problem with Install Setup Scripts
Submitted by = , Found: 981221, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20123, Subsystem = RelB0_MSS
Desc: Files overriden during EcCoAssist install with mkcfg set to default.
Submitted by = , Found: 990107, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20385, Subsystem = RelB0_MSS
Desc: EcCoLogViewer and EcCoMonitorGui being CPU hogs.
Submitted by = , Found: 990121, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed16603, Subsystem = RelB0_MSS
Desc: ECS Assist hanging on the tty output for database installs
Submitted by = , Found: 980731, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19254, Subsystem = RelB0_MSS
Desc: DCE: Unable to log Error Message For Invalid DCE Account and Password
Submitted by = , Found: 981120, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19274, Subsystem = RelB0_MSS
Desc: 4PX11AT- When changing V0 Gateway Password no confirmation shown
Submitted by = , Found: 981123, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19332, Subsystem = RelB0_MSS
Desc: EcMsAcOrderGUI doesn't clear deleted Request
Submitted by = , Found: 981125, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=4, Bug id = ECSed19334, Subsystem = RelB0_MSS
Desc: EcMsAcOrderGUI - Request failure
Submitted by = , Found: 981125, Iteration = Drop 5A
Need fix by: Routine

St=V, Sv=4, Bug id = ECSed19271, Subsystem = RelB0_MSS
Desc: UsrAcctMgtGUI - Profile letter greeting should use first name
Submitted by = trockvam, Found: 981123, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=5, Bug id = ECSed15658, Subsystem = RelB0_MSS
Desc: ECS ACCOUNT GUI-Not Enough Room to Display District of Columbia
Submitted by = , Found: 980617, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=5, Bug id = ECSed19406, Subsystem = RelB0_MSS
Desc: User Reg- The userid is not modifiable
Submitted by = , Found: 981201, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=1, Bug id = ECSed20036, Subsystem = RelB0_PLS
Desc: Extra entries for ESDT with "SingleDateTime" group were created when query DSS
Submitted by = , Found: 980824, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed18205, Subsystem = RelB0_PLS
Desc: SubMgr core dumped while running, cause unknown
Submitted by = , Found: 980930, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed19190, Subsystem = RelB0_PLS
Desc: EcPlSubMgr Not Releasing Database Tables
Submitted by = , Found: 981118, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19216, Subsystem = RelB0_PLS
Desc: Can't generate a DPR for downstream PGE if upstream PGE's dpr is completed.
Submitted by = , Found: 981118, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed10118, Subsystem = RelB0_PLS
Desc: RE:Message warning User they produced a disassociation
Submitted by = , Found: 971124, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed11341, Subsystem = RelB0_PLS
Desc: Resource Planning incorrectly identifies conflict with overlap.
Submitted by = , Found: 980113, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed16527, Subsystem = RelB0_PLS
Desc: ProdStrat: Default stragegy info not loaded on startup
Submitted by = , Found: 980729, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18285, Subsystem = RelB0_PLS
Desc: PRE: Need wait indicator for opening and deleting a PR
Submitted by = , Found: 981006, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19103, Subsystem = RelB0_PLS
Desc: Computer Resource Removed From String Without Warning
Submitted by = , Found: 981112, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=4, Bug id = ECSed16526, Subsystem = RelB0_PLS
Desc: ProdStrat: Startup script should not require an application_id
Submitted by = , Found: 980729, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed16806, Subsystem = RelB0_STMGT
Desc: Stmgt install needs more definition
Submitted by = , Found: 980806, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18308, Subsystem = RelB0_STMGT
Desc: EcDsStDBMSSRVR.pkg contains extra programs
Submitted by = , Found: 981006, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19278, Subsystem = RelB0_STMGT
Desc: Multiple .dbparms files causes confusion upon DB install/patch
Submitted by = , Found: 981123, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed14779, Subsystem = RelB0_SysBld
Desc: "OPS Default" Mode Leakage in EcCoAssist
Submitted by = , Found: 980512, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed15970, Subsystem = RelB0_SysBld
Desc: Incorrect SQL Server Used if Don't Completely Rewrite name in DsDbBuild
Submitted by = , Found: 980702, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20043, Subsystem = RelB0_Sys_Engr
Desc: Archive/Amass problem in GDAAC
Submitted by = jzhuang, Found: 990106, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=3, Bug id = ECSed20128, Subsystem = MandO
Desc: updating of leapsec.dat and utcpole.dat files.
Submitted by = , Found: 990107, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed16880, Subsystem = RelB0_CLS
Desc: Makefile fault - WKBCH/ClWbJt/MakefileECSed16880 - DEMO
Submitted by = , Found: 980810, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=4, Bug id = ECSed19003, Subsystem = RelB0_CLS
Desc: JEST: Status has extra tabs...
Submitted by = kbryant, Found: 981104, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20045, Subsystem = RelB0_COTS
Desc: Processing of Where-Used reports ignores specified "as of" date (XRP-II)
Submitted by = , Found: 990106, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed20674, Subsystem = RelB0_DBDM
Desc: EcPlDbPatch won't work on 4PY
Submitted by = , Found: 990208, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=1, Bug id = ECSed19846, Subsystem = RelB0_DDIST
Desc: DDIST GUI will not run with new malloc functionality in Si library
Submitted by = , Found: 981222, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed19699, Subsystem = RelB0_DDIST
Desc: Warm Start core dump - Associated with NCR 19635
Submitted by = , Found: 981215, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed19703, Subsystem = RelB0_DDIST
Desc: Default database name should be changed for DDIST
Submitted by = , Found: 981215, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=3, Bug id = ECSed19759, Subsystem = RelB0_DDIST
Desc: Merge DsDdDllconfig.cfg file into EcDsDistributionServer.CFG file
Submitted by = markp, Found: 981218, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19653, Subsystem = RelB0_DDIST
Desc: Special staging area leak
Submitted by = , Found: 981214, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=2, Bug id = ECSed17041, Subsystem = RelB0_DMS
Desc: DDICT DB Initialization need to add CLIENT info manager
Submitted by = gswope, Found: 980814, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed18271, Subsystem = RelB0_DMS
Desc: LIM needs to handle browse without a search
Submitted by = , Found: 981005, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19282, Subsystem = RelB0_DMS
Desc: LIM problem with Temporal and Spatial search constraints
Submitted by = , Found: 981123, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=3, Bug id = ECSed16485, Subsystem = RelB0_DMS
Desc: Incomplete DDICT server response
Submitted by = akadayap, Found: 980728, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=3, Bug id = ECSed17331, Subsystem = RelB0_DMS
Desc: MTool: List box redrawn incorrectly after deleting an attribute
Submitted by = kcarr, Found: 980821, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=3, Bug id = ECSed17351, Subsystem = RelB0_DMS
Desc: MTool: Default Size of 0 is displayed on attribute editing screen
Submitted by = kcarr, Found: 980824, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=3, Bug id = ECSed17390, Subsystem = RelB0_DMS
Desc: MTool Attribute Editor: user can submit edit request if size is too long
Submitted by = kcarr, Found: 980825, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=3, Bug id = ECSed19214, Subsystem = RelB0_DMS
Desc: Incomplete DDICT server response
Submitted by = akadayap, Found: 980728, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=4, Bug id = ECSed15520, Subsystem = RelB0_DMS
Desc: DMS files in .EcDmCommon.iu violate naming convention
Submitted by = , Found: 980611, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=1, Bug id = ECSed19239, Subsystem = RelB0_DPS
Desc: Incorrect Category Specified For DFA Command
Submitted by = bhough, Found: 981119, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19329, Subsystem = RelB0_DPS
Desc: AM-1 DPREP needs to initialize QA summary counts.
Submitted by = , Found: 981125, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19370, Subsystem = RelB0_DPS
Desc: AM-1 DPREP utility EcDpPrAm1FddAttitudeDPREP QA summary error.
Submitted by = , Found: 981130, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19922, Subsystem = RelB0_DPS
Desc: AM-1 DPREP utilities saves obsolete QA parameters.
Submitted by = , Found: 981229, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20000, Subsystem = RelB0_DPS
Desc: SSIT: Need to fix delivery warnings
Submitted by = , Found: 990104, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20338, Subsystem = RelB0_DPS
Desc: AM-1 DPREP angle limits check applied to wrong angles.
Submitted by = , Found: 990120, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20478, Subsystem = RelB0_DPS
Desc: AM-1 DPREP reports the presense of gaps that do not get repaired.
Submitted by = , Found: 990127, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20509, Subsystem = RelB0_DPS
Desc: AM-1 DPREP utility EcDpPrAm1AncillaryDPREP counts data gaps twice.
Submitted by = , Found: 990129, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=3, Bug id = ECSed17447, Subsystem = RelB0_DPS
Desc: printf statements in PRONG code
Submitted by = nharihar, Found: 980826, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed17946, Subsystem = RelB0_DPS
Desc: AM-1 DPREP to supply FDD replacement dataset timerange.
Submitted by = , Found: 980917, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed17980, Subsystem = RelB0_DPS
Desc: AM-1 DPREP to repair ephemeris red and yellow limit violations.
Submitted by = , Found: 980921, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18092, Subsystem = RelB0_DPS
Desc: AM-1 DPREP sentinel record handling problem.
Submitted by = , Found: 980925, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18282, Subsystem = RelB0_DPS
Desc: AM-1 DPREP utility EcDpPrAm1FddReplaceEphemDPREP core dumps.
Submitted by = , Found: 981006, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18987, Subsystem = RelB0_DPS
Desc: AM-1 DPREP limit check relaxed on pitch angle.
Submitted by = , Found: 981104, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19101, Subsystem = RelB0_DPS
Desc: No Output To User If "Jobs Waiting" Finds No Jobs
Submitted by = , Found: 981112, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19188, Subsystem = RelB0_DPS
Desc: AM-1 DPREP QA statistics calculation problem.
Submitted by = , Found: 981117, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed19330, Subsystem = RelB0_DPS
Desc: AM-1 DPREP EcDpPrAm1FddAttitudeDPREP uses wrong source ID.
Submitted by = , Found: 981125, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19377, Subsystem = RelB0_DPS
Desc: AM-1 DPREP ephemeris and attitude Toolkit dataset header problems.
Submitted by = , Found: 981130, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19584, Subsystem = RelB0_DPS
Desc: AM-1 DPREP limit violations at dataset end.
Submitted by = , Found: 981209, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19587, Subsystem = RelB0_DPS
Desc: AM-1 DPREP to propagate header items thru replacement datasets.
Submitted by = , Found: 981209, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19655, Subsystem = RelB0_DPS
Desc: AM-1 DPREP produces descending node propagation identically zero.
Submitted by = , Found: 981214, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19657, Subsystem = RelB0_DPS
Desc: DPREP - ODL, documentation and message files need to be updated.
Submitted by = , Found: 981214, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19934, Subsystem = RelB0_DPS
Desc: AM-1 DPREP utility EcDpPrAm1EphemerisGapFillDPREP saves repair reason.
Submitted by = , Found: 981230, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20181, Subsystem = RelB0_DPS
Desc: SSIT Y2K: Fix Binary Difference templates
Submitted by = , Found: 990110, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=1, Bug id = ECSed19461, Subsystem = RelB0_IDG
Desc: Login proxy return null session ID back
Submitted by = , Found: 981202, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=1, Bug id = ECSed20603, Subsystem = RelB0_IDG
Desc: EcPlSubMgr fails to start up with error ds_add_entry, error 10
Submitted by = , Found: 990203, Iteration = Drop 5A
Need fix by: Emergency

St=C, Sv=2, Bug id = ECSed16882, Subsystem = RelB0_IDG
Desc: MOJO ECS Assist files do not exist
Submitted by = lvonmoss, Found: 980810, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed16883, Subsystem = RelB0_IDG
Desc: MOJO Code not being built by Nightly Build
Submitted by = lvonmoss, Found: 980810, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed16908, Subsystem = RelB0_IDG
Desc: Mojo: .cfg file has incorrect name for keyfile
Submitted by = kcarr, Found: 980811, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed17039, Subsystem = RelB0_IDG
Desc: MOJO AdsrvProxy crashed when a malformated adver search was received
Submitted by = jhuang, Found: 980814, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed17195, Subsystem = RelB0_IDG
Desc: MOJO Search proxy should not expect serverUR from JESS
Submitted by = kbugenha, Found: 980819, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed17388, Subsystem = RelB0_IDG
Desc: MOJO core dump in Inspect
Submitted by = cherbst, Found: 980825, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed17493, Subsystem = RelB0_IDG
Desc: MOJO: The search inspect proxy fails on a regular inspect
Submitted by = naldridg, Found: 980827, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed17721, Subsystem = RelB0_IDG
Desc: encrypt directory missing in the top level Makefile
Submitted by = asolanki, Found: 980910, Iteration = Drop 5A
Need fix by: Emergency

St=C, Sv=2, Bug id = ECSed17766, Subsystem = RelB0_IDG
Desc: ACQUIRE_PRIORITY has to be defined for EcSbSubServer in its CFG file
Submitted by = aramanat, Found: 980911, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=2, Bug id = ECSed17775, Subsystem = RelB0_IDG
Desc: MOJO Order/Request Proxy message protocol needs to be changed
Submitted by = jhuang, Found: 980911, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed18050, Subsystem = RelB0_IDG
Desc: MOJO Order Proxy message protocol has a typo in HomeDAAC
Submitted by = , Found: 980924, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19017, Subsystem = RelB0_IDG
Desc: MOJO search via LIM can not get granules back
Submitted by = , Found: 981105, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed19067, Subsystem = RelB0_IDG
Desc: MOJO multi-side inspection can't retrieve the inspected resluts back
Submitted by = , Found: 981110, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19099, Subsystem = RelB0_IDG
Desc: MOJO Login Proxy error message doesn't comply the message protocol
Submitted by = , Found: 981112, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed19218, Subsystem = RelB0_IDG
Desc: Mojo can't handle if number of granules for inspection exceeds
Submitted by = , Found: 981118, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed19512, Subsystem = RelB0_IDG
Desc: Mojo failed to handle the value with the spaces in the message from JESS
Submitted by = , Found: 981204, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19580, Subsystem = RelB0_IDG
Desc: Y2K: EcTiTime does not always provide simulated time.
Submitted by = , Found: 981209, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20038, Subsystem = RelB0_IDG
Desc: SBSRV GUI should use a different program ID from its server.
Submitted by = , Found: 990105, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20129, Subsystem = RelB0_IDG
Desc: .iu files are being installed multiple times
Submitted by = , Found: 990107, Iteration = Drop 5A
Need fix by: Critical

St=C, Sv=3, Bug id = ECSed17442, Subsystem = RelB0_IDG
Desc: MOJO: Advertizing Proxy returns extra whitespace on attributes
Submitted by = naldridg, Found: 980826, Iteration = Drop 5A
Need fix by: Routine

St=C, Sv=3, Bug id = ECSed17584, Subsystem = RelB0_IDG
Desc: MOJO search proxy doesn't support truncate mechanism
Submitted by = jhuang, Found: 980831, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed17492, Subsystem = RelB0_IDG
Desc: Subscription Client code is using printf instead of PF_DEBUG
Submitted by = , Found: 980827, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18495, Subsystem = RelB0_IDG
Desc: MOJO Imakefile needs to use ECS subsystems libs before goes to Stage dir
Submitted by = , Found: 981016, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19348, Subsystem = RelB0_IDG
Desc: Script to start DriverTest missing
Submitted by = , Found: 981125, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20467, Subsystem = RelB0_IDG
Desc: SubGUI should validate the subscription start date can't be in past
Submitted by = , Found: 990127, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=1, Bug id = ECSed20596, Subsystem = RelB0_INGST
Desc: 5A Installation Problems for Ingest
Submitted by = , Found: 990203, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed19698, Subsystem = RelB0_INGST
Desc: L7IGS' METADATA0 not processed correctly
Submitted by = , Found: 981215, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20100, Subsystem = RelB0_INGST
Desc: Default values for directories in mkcfg not correct
Submitted by = , Found: 990106, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20136, Subsystem = RelB0_INGST
Desc: EcInReqMgr coredumps if UR list is null
Submitted by = , Found: 990107, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20153, Subsystem = RelB0_INGST
Desc: EcInGran: retries in preprocessing block other requests
Submitted by = , Found: 990108, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20601, Subsystem = RelB0_INGST
Desc: Patching Ingest Database loses External Data Provider Info in DB
Submitted by = , Found: 990203, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed20622, Subsystem = RelB0_INGST
Desc: Ingest Database Install Problems
Submitted by = , Found: 990204, Iteration = Drop 5A
Need fix by: Emergency

St=C, Sv=3, Bug id = ECSed17749, Subsystem = RelB0_INGST
Desc: Include additional input parameter in .dbparms file
Submitted by = lreeves, Found: 980911, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19608, Subsystem = RelB0_INGST
Desc: Need EcInMkDataDir file installed with EcInEmailGWServer.pkg
Submitted by = , Found: 981210, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20263, Subsystem = RelB0_INGST
Desc: EmailGWServer doesn't handle DDist failure msg correctly
Submitted by = , Found: 990115, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed19097, Subsystem = RelB0_MSS
Desc: EndPointMapper hangs during clean
Submitted by = , Found: 981111, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20101, Subsystem = RelB0_MSS
Desc: Directory being created even if not needed
Submitted by = , Found: 990106, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20323, Subsystem = RelB0_MSS
Desc: .dataproviders file is not maintained correctly by ECS Assist
Submitted by = , Found: 990119, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20678, Subsystem = RelB0_MSS
Desc: EcInEMAILSVR.pkg should be added to .sitemap for all sites
Submitted by = , Found: 990208, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=3, Bug id = ECSed16694, Subsystem = RelB0_MSS
Desc: Subscription Server GUI needs to be executable
Submitted by = , Found: 980803, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18046, Subsystem = RelB0_MSS
Desc: no error handlering in Trouble Ticket code
Submitted by = , Found: 980923, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19932, Subsystem = RelB0_MSS
Desc: Makedeliver scripts do not handle error and warning messages correctly
Submitted by = , Found: 981230, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20199, Subsystem = RelB0_MSS
Desc: Need to remove all references to EcMsMd* packages from the sitemap
Submitted by = , Found: 990112, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20349, Subsystem = RelB0_MSS
Desc: Server start scripts must ensure unique InstanceID
Submitted by = , Found: 990120, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20436, Subsystem = RelB0_MSS
Desc: User Account Management GUI doesn't display expiration date correctly
Submitted by = , Found: 990125, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20458, Subsystem = RelB0_MSS
Desc: Update .sitemap file with .EcDbDDM.pkg as per 910-TDA-005
Submitted by = , Found: 990126, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=1, Bug id = ECSed17812, Subsystem = RelB0_PLS
Desc: Missing if statement in PlPgeC, GenerateDprs(...)
Submitted by = , Found: 980914, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=1, Bug id = ECSed20491, Subsystem = RelB0_PLS
Desc: PRE: Core dumps on Spatial Query
Submitted by = , Found: 990128, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=1, Bug id = ECSed20606, Subsystem = RelB0_PLS
Desc: PRE fails to select time misaligned orbit based granules
Submitted by = , Found: 990203, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=2, Bug id = ECSed18979, Subsystem = RelB0_PLS
Desc: Makefiles do not use make.option Macros for RW or OODCE paths/libraries
Submitted by = , Found: 981103, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed19044, Subsystem = RelB0_PLS
Desc: PlWb: Need to be able to cancel or modify a Ground Event in DPS
Submitted by = , Found: 981106, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed19743, Subsystem = RelB0_PLS
Desc: Metadata Query and Most Recent Granule combination
Submitted by = , Found: 981217, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20012, Subsystem = RelB0_PLS
Desc: PRE: Not producing MODIS DPRs
Submitted by = , Found: 990104, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20359, Subsystem = RelB0_PLS
Desc: PWB window core dump, when the first plan is deleted...
Submitted by = , Found: 990121, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20469, Subsystem = RelB0_PLS
Desc: PRE: Core dumps when deleting a chain of DPRs
Submitted by = , Found: 990127, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20600, Subsystem = RelB0_PLS
Desc: PRE locks the PDPS database while running MISRLIKE scenario
Submitted by = , Found: 990203, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed10340, Subsystem = RelB0_PLS
Desc: PRE: Handling dependent DPRs when deleting a DPR
Submitted by = , Found: 971205, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed14408, Subsystem = RelB0_PLS
Desc: Resource PLanner Configuration File In Wrong Directoryi
Submitted by = , Found: 980430, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=3, Bug id = ECSed17473, Subsystem = RelB0_PLS
Desc: printf statements in PLS code
Submitted by = , Found: 980826, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19052, Subsystem = RelB0_PLS
Desc: Delphi classes need to be upgraded to version 4.0
Submitted by = , Found: 981109, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20400, Subsystem = RelB0_PLS
Desc: Ground Events don't get scheduled for a new plan
Submitted by = , Found: 990122, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed19339, Subsystem = RelB0_SDSRV_DTS
Desc: Metadata produced on acquire cannot be used to reingest data
Submitted by = , Found: 981125, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed19212, Subsystem = RelB0_SDSRV_DTS
Desc: Scripts are required in support of Lost Archive File Recovery
Submitted by = , Found: 981118, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed18262, Subsystem = RelB0_SDSRV_ESDT
Desc: ESDT descriptors need SpatialSearchType attribute
Submitted by = , Found: 981005, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed18264, Subsystem = RelB0_SDSRV_ESDT
Desc: ESDT descriptors need DeleteFromArchive service
Submitted by = , Found: 981005, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed18268, Subsystem = RelB0_SDSRV_IIF
Desc: DFA Constraint added to Non Science Granules on search
Submitted by = , Found: 981005, Iteration = Drop 5A
Need fix by: Emergency

St=T, Sv=3, Bug id = ECSed12444, Subsystem = RelB0_SDSRV_IIF
Desc: some SDSRV-generated MCFs contain extra characters at EOF
Submitted by = , Found: 980224, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18888, Subsystem = RelB0_SDSRV_IIF
Desc: New C++ compiler and RW lib give up certain implicit casting
Submitted by = , Found: 981029, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed18889, Subsystem = RelB0_SDSRV_IIF
Desc: Two merges conflict on header file include
Submitted by = , Found: 981029, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19555, Subsystem = RelB0_SDSRV_IIF
Desc: Potential Memory Corruption
Submitted by = , Found: 981208, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed20237, Subsystem = RelB0_SDSRV_IIF
Desc: SDSRV does not log the transition from very low memory use to normal use
Submitted by = , Found: 990113, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=2, Bug id = ECSed20459, Subsystem = RelB0_STMGT
Desc: Manual configuration of logical volume groups overwhelming
Submitted by = , Found: 990126, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=3, Bug id = ECSed16094, Subsystem = RelB0_STMGT
Desc: Acquires marked as retry-able if data is not in archive
Submitted by = , Found: 980708, Iteration = Drop 5A
Need fix by: Routine

St=T, Sv=3, Bug id = ECSed19397, Subsystem = RelB0_STMGT
Desc: Stacker srvr fails to unmount tape if insert in DsStRequestTape fails
Submitted by = , Found: 981201, Iteration = Drop 5A
Need fix by: Critical

St=T, Sv=2, Bug id = ECSed20204, Subsystem = RelB0_SysBld
Desc: Y2K Compliance of Custom Code
Submitted by = , Found: 990112, Iteration = Drop 5A
Need fix by: Critical

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Appendix D. Schedule

This Appendix provides a high level schedule for Release 5A.

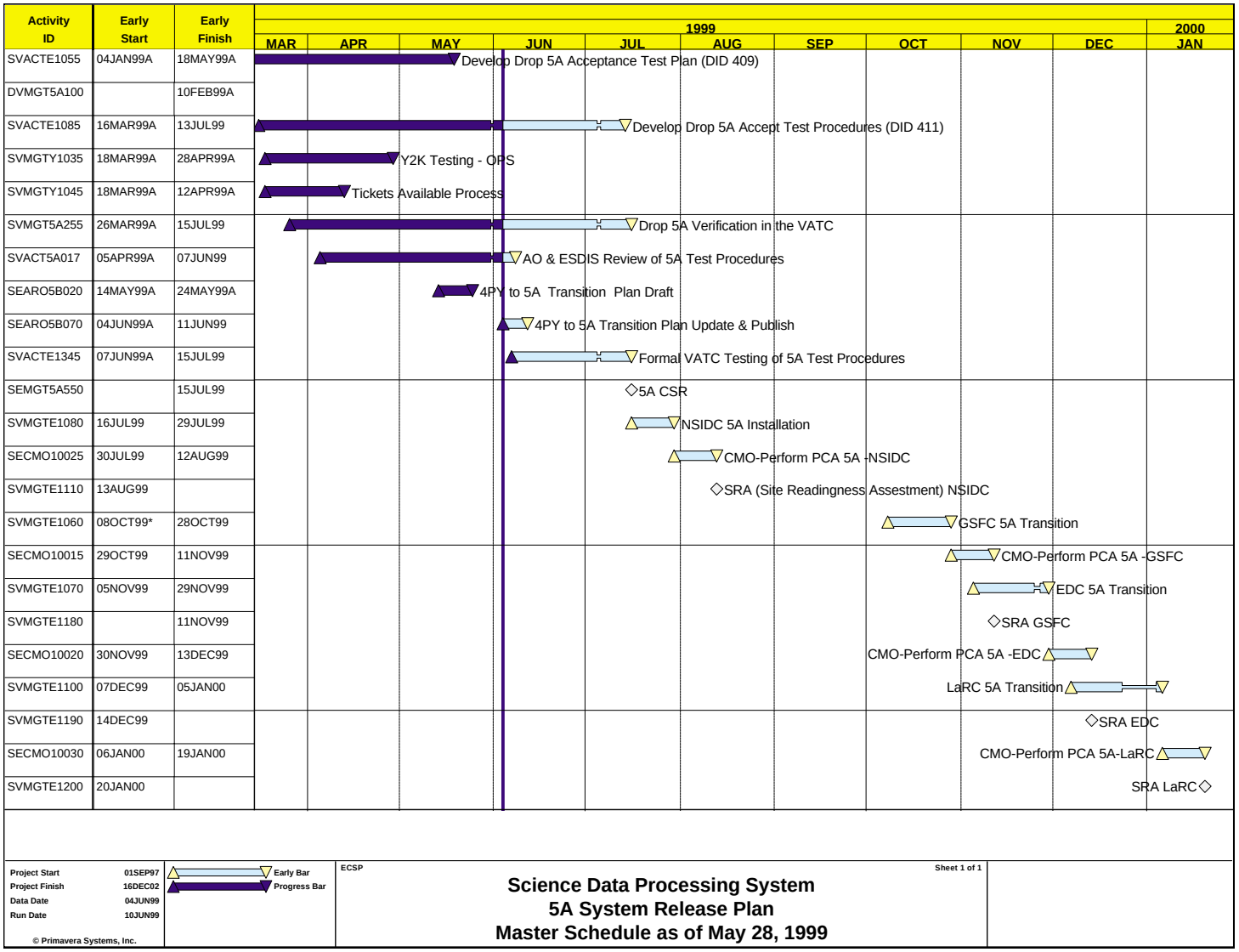

Figure D-1. Release 5A Schedule