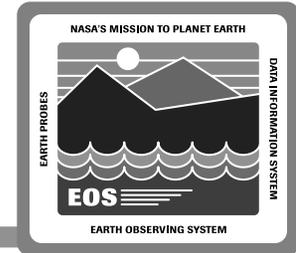


FOS Dry-Run Status

Jon Kuntz

20 August 1997

FOS CSR Roadmap



Overview Material

FOS Overview

- CSR Objectives
- FOS Status & Schedule

FOS Acceptance Test Status

Acceptance Test Status

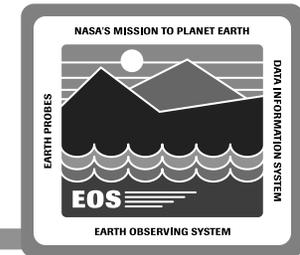
- Tests in Phase 1, 2
- Phase 1 AT Status

FOS Dry-Run Status

Dry-Run Phase 2 Results

- Dry-Run Status
- Technical Issues and Liens

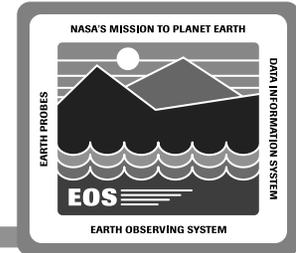
Dry-Run Phase 2 Modified Approach



Performed Dry-Runs in mini-EOC on Patch 11 Software

- **Provided for quicker turnaround on development team support**
- **Provided test team ability to red-line procedures against Patch 11 software**
- **Allowed us to gain a high level of confidence in the contents of Patch 11 prior to delivery to the EOC**
- **Allowed the test team to use both the Operational and Support LANs for Phase 1 Acceptance Testing**

Dry-Run (Phase 2) Status



Command Management
RTS Load Management

Database
Database Ingest

FOS User Interface
Online Help

Planning & Scheduling
Contact Scheduler
Sch Load Uplink Activities
Rcve & Sched Late Change
DAS Generation

Telemetry
Multi-byte Param Processing
Red/Yellow Limits

Analysis
Dataset Generation
Standing Order Manager
Special Proc. Algorithms
Time Order Downlink Rpt
Database Crossover
User Stats

Command Management
ATC Load Management
Table Load Management

Data Base
Database Backup & Restore

FOS User Interface
Procedure Builder
Procedure Control & Execution
User Authentication & Display

Telemetry
Derived Parameters

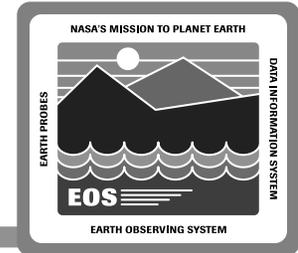
Analysis
RDD Clock Correlation
USCCS Clock Correlation
Parameter Out Of Limits
System Stats
Analysis Request Manager

FOS User Interface
Room Builder

Telemetry
User Adjustment of EU Conv
Context Dependent Decom
Info Window

Legend	
	Test Success Criteria met
	Issues with workarounds
	Key issues remain

Dry-Run (Phase 2) Status (cont.)



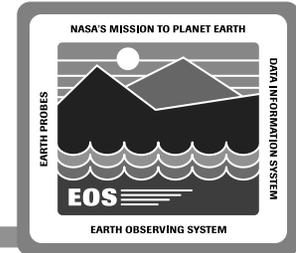
<p><u>EDOS</u> Test Command/Command Echo</p> <p><u>NCC</u> UPD Receipt</p> <p><u>System</u> FOS Startup & Shutdown</p>

<p><u>Contact</u> DSS Spacecraft Activity Log State Check</p> <p><u>EDOS</u> CODA Processing</p> <p><u>NCC</u> NCC GCMR Processing UPD Replay</p> <p><u>System</u> Failure Recovery</p>

<p><u>Contact</u> SSR Monitoring</p> <p><u>EDOS</u> CODA Replay SCS Summary Report</p> <p><u>End-to-End</u> Concurrent Ops/Performance</p> <p><u>FDF</u> FDF Interface</p> <p><u>IST</u> IST Pool Management IST Functionality</p>

Legend	
	Test Success Criteria met
	Issues with workarounds
	Key issues remain

Functional Criticality Assessment



HIGH

Analysis

RDD Clock Correlation
USCCS Clock Correlation

Telemetry

User Adjustment of EU Conv
Context Dependent Decom

Contact

SSR Monitoring

End-to-End

Concurrent Ops/Performance

FDF

FDF Interface

IST

IST Functionality

MEDIUM

Analysis

Parameter Out Of Limits
System Stats
Analysis Request Manager

EDOS

CODA Replay
SCS Summary Report

IST

IST Pool Management

LOW

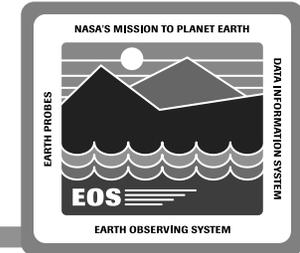
FOS User Interface

Room Builder

Telemetry

Info Window

FOS Performance



Real-time telemetry and command

- performance in good shape
- significant improvements made since Release A

Planning & Scheduling/Command Management

- performance in good shape

Offline telemetry processing

- benefited from improvements made for real-time processing
- additional enhancements under evaluation for post-RRR

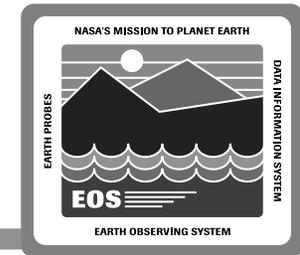
Usability (e.g. string creation, calling up displays)

- significant improvements made since Release A
- additional enhancements planned post-RRR

User Feedback

- initial scrub of events has resulted in some improvements
- plan an additional scrub of events/dialog boxes post-RRR

FOS NCR Status



FOS NCRs	Sev1	Sev2	Sev3	Total
Open	8	248	210	466
Fixed	56	147	82	285
Closed	28	176	164	368
Total	92	571	456	1119