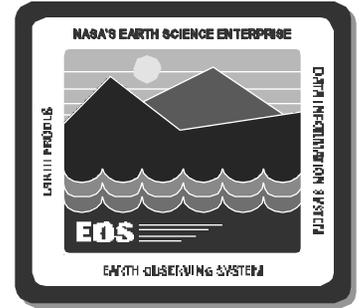


Release 5B - SMC Site Readiness Assessment (SRA)

27 September 2000

Agenda



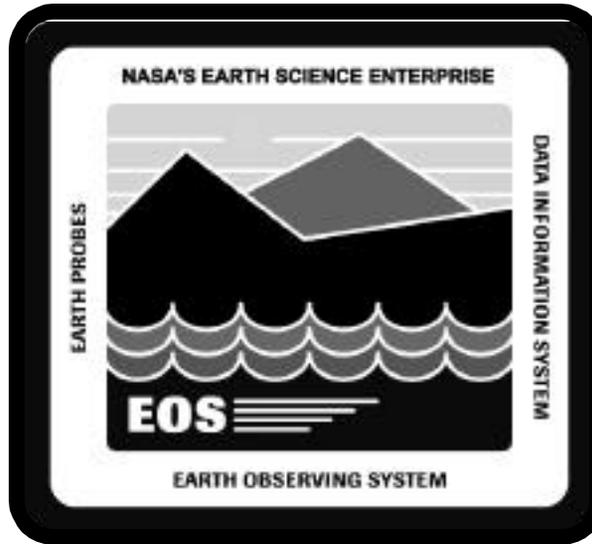
- Introduction
- PCA Results for SMC
- SMC 5B Transition Results
- Summary/Actions

Ravi Nirgudkar

Michelle Garrett & Steve Haupt

Bhagi Trivedi

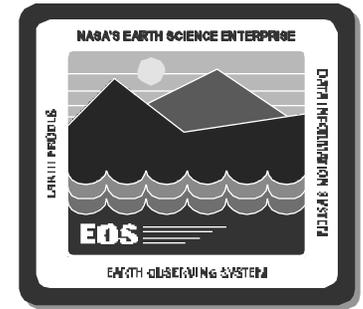
Ravi Nirgudkar



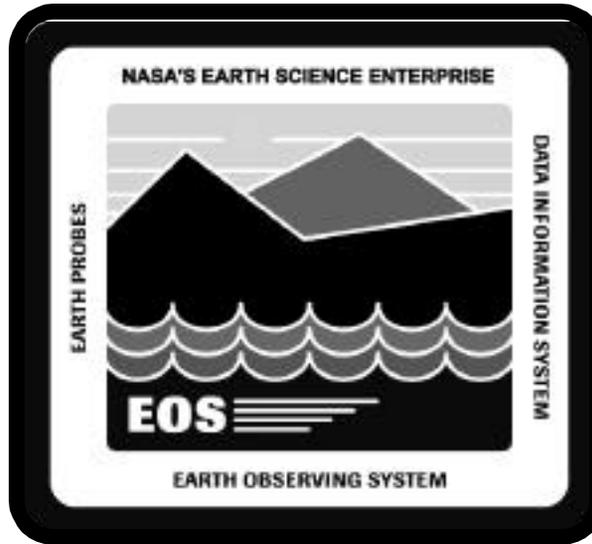
Introduction

Ravi Nirgudkar

Introduction



- **Review new capabilities added since PSR**
 - None to report
- **Review updated Development status since PSR**
 - None to report
- **Review updated Test Engineering status since PSR**
 - None to report
- **Review CM PCA results**
- **Review SMC test results and transition status**

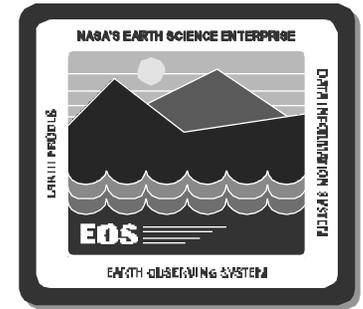


SMC

Physical Configuration Audit

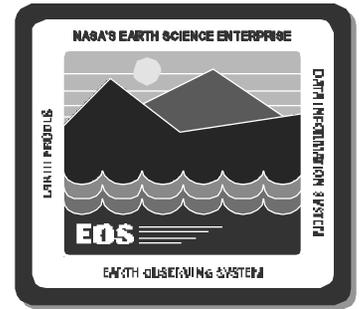
Michelle Garrett and Steve Haupt

Agenda



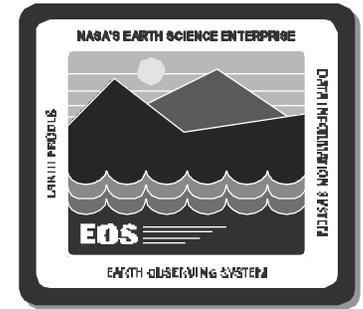
- **Purpose of the PCA**
- **PCA Activities**
- **Documentation of PCA Findings**
- **Findings Classification**
- **PCA Process Summary**
- **SMC**
 - **PCA Findings**
 - **PCA Work-off Plan**
- **Areas for improvement and process improvement actions**
- **Conclusion**

Purpose



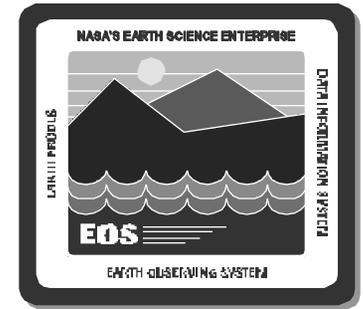
Compare the “as built” configuration to the “as approved baseline” configuration to verify the integrity of the system prior to transition to operations.

PCA Activities



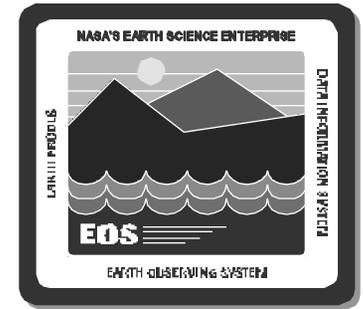
- **PCAs - Transition Modes (TS1, TS2 and OPS)**
 - **COTS Software - mode independent**
 - **O/S Patches - mode independent**
 - **Custom Code - (TS1, TS2 and OPS)**
 - **Configuration Parameters - mode independent**

Documentation of PCA Findings



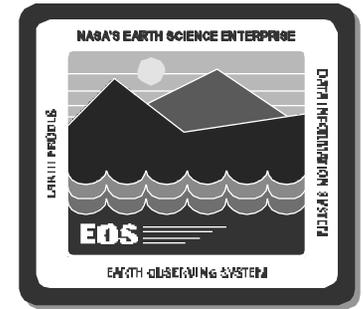
- **Critical and Non-Critical products**
- **PCA NCR classification are recognized by the following distinction:**
 - **Class Severity Definition**
 - **2 Medium Critical product. Finding will be forwarded to a technical cognizant (either a system administrator, development engineer, or site personnel) for problem resolution. If it is determined that the finding requires further action, then the affected site will be promptly notified**
 - **3 Low Non-critical product. Correction recommended to assure continued level of support**

PCA Process Summary

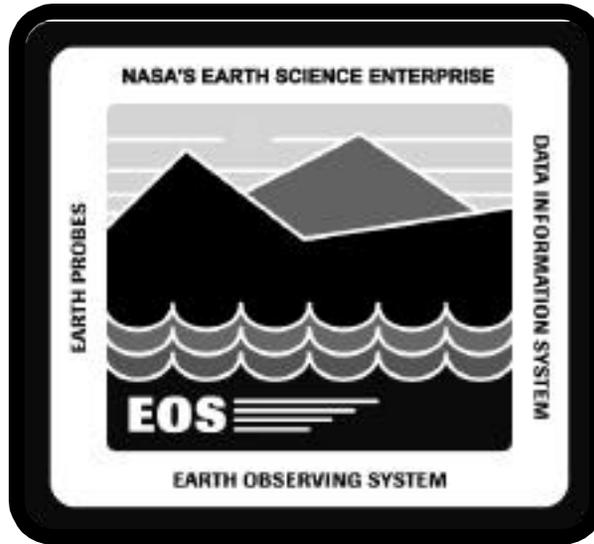


- **Develop Audit Plan/Schedule**
- **Provide Release Baseline for audit locations & modes**
- **Interrogate hosts at sites and create discrepancy reports**
- **Post discrepancy reports on <http://cmdm.east.hitc.com/baseline/>, then click on interrogation button**
- **Review Technical Data Package (TDP) and audit plan with the audit team at the kick off meeting**
 - **CM, M&O, Development, CM DAAC Representatives**

PCA Process Summary (Cont.)

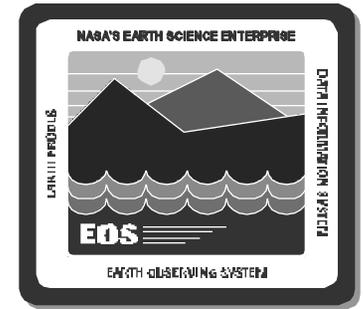


- **Conduct Audit**
- **Forward medium severity findings to the appropriate area for further evaluation**
- **Provide summary of all audit findings at the SRA**
- **Create PCA NCRs to document findings**
- **Verify closure of all PCA NCRs and audit team action items**
- **Prepare final DID 506 report of the audit**



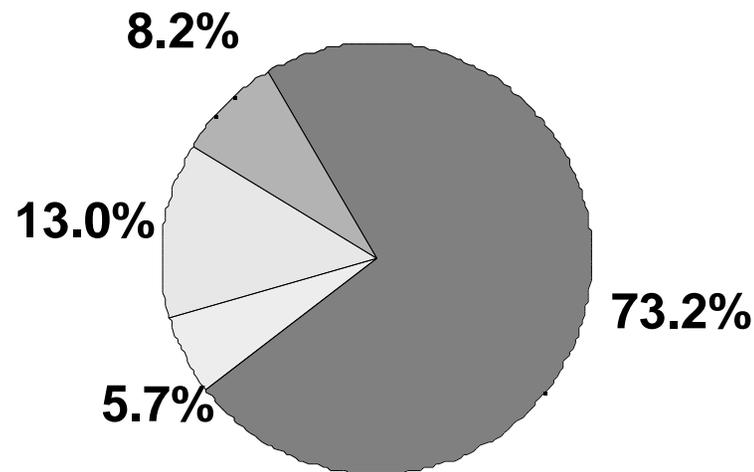
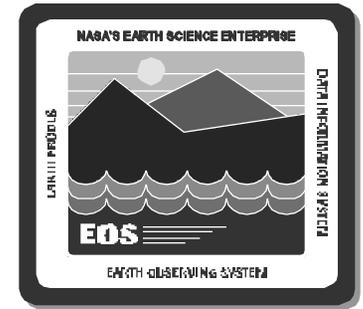
SMC PCA Findings

SMC Findings



- **COTS SW**
 - **Critical and Non Critical COTS SW**
 - **Critical COTS SW**
 - Approved but not installed
 - Not approved but installed
 - Installed incorrectly
- **OS Patches**
 - **SUN, HP**
- **Custom Code**
 - **Summary**
- **Configuration Parameters**
 - **Summary**

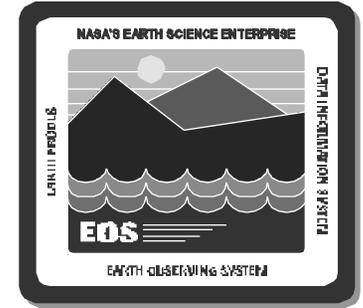
SMC PCA Results - COTS Software (Critical and Non Critical)



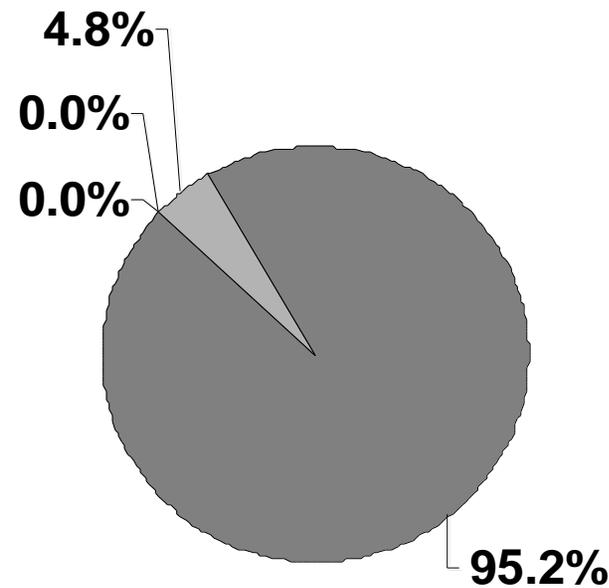
Investigation Completed
on 9/25/00

- 73.2% Properly Installed
- 5.7% Approved but not installed
- 13.0% Not approved but installed
- 8.2% Installed w/incorrect version/path

SMC PCA Results - Critical COTS Software

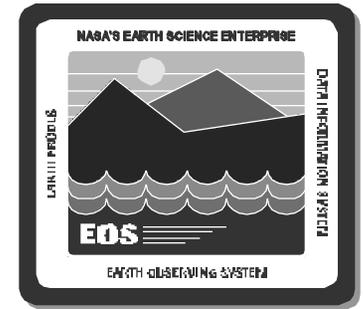


Investigation Completed
on 9/25/00



- 95.2% Properly Installed
- 0.0% Approved but not installed
- 0.0% Not approved but installed
- 4.8% Installed w/incorrect version/path

SMC PCA Results - Critical COTS SW Wrong Path/Version



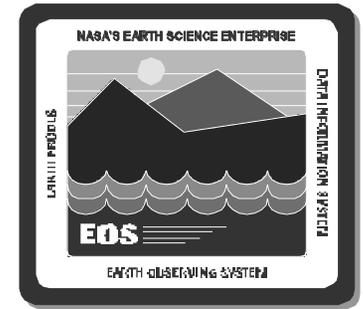
4.8% COTS SW

- **Host Issues**
 - Perl, path issue on m0msh03 and m0msh14.
- **Baseline Issues**
 - HP OpenView has version 6.0, should be version 6.00 on m0msh03, m0msh14.
 - Sun Host Perl version should be 5.005-03 vs. 5.005_03.
 - IQ version has 5.5.01, should be 5.5.0.1 on m0mss16.

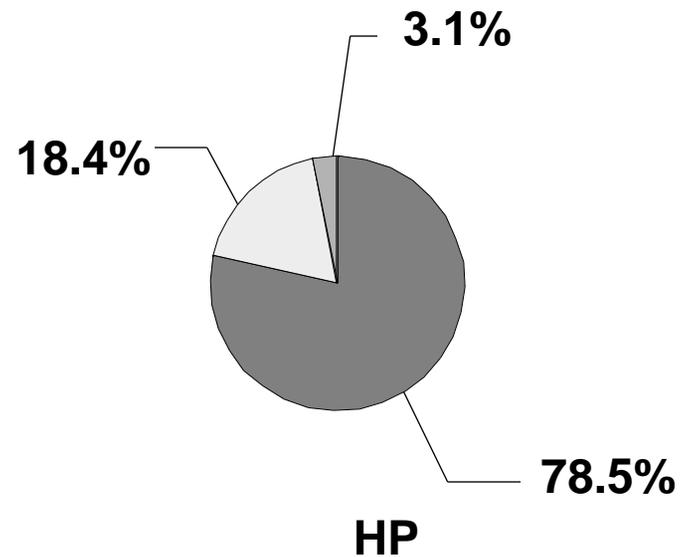
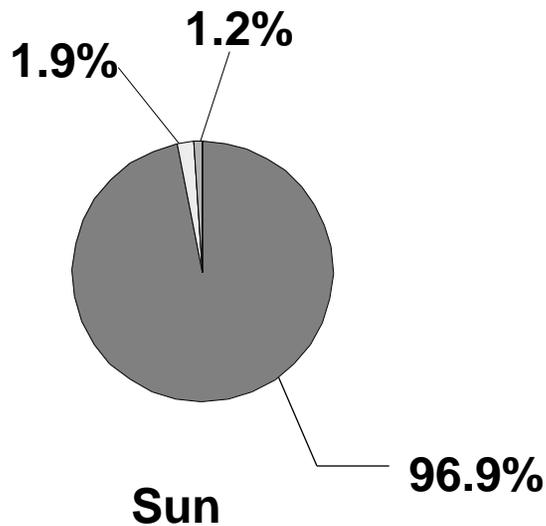
Resolution

- NCR will be written for SMC to fix the link path for Perl.
- CCR will be written for baseline issues.

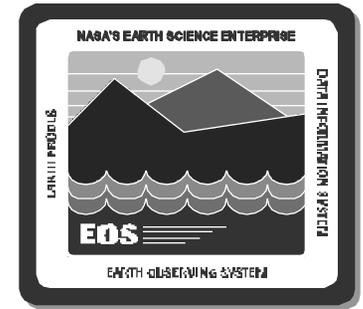
SMC PCA Results - O/S Patches



Investigation Completed
on 9/25/00



O/S Patch Summary - SUN Platforms



1.9% Approved but not installed:

These findings have been resolved to be baseline issues with the 911-TDA-007 tech document.

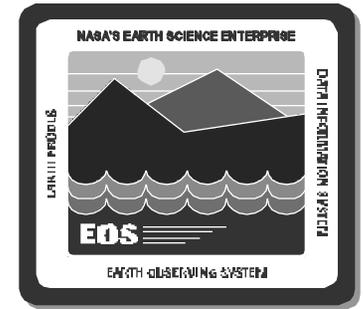
1.2% Not Approved but installed:

These findings have been resolved to be baseline issues with the 911-TDA-007 tech document.

Resolution

NCR will be written to explain the patch findings that have been resolved.

O/S Patch Summary - HP Platforms



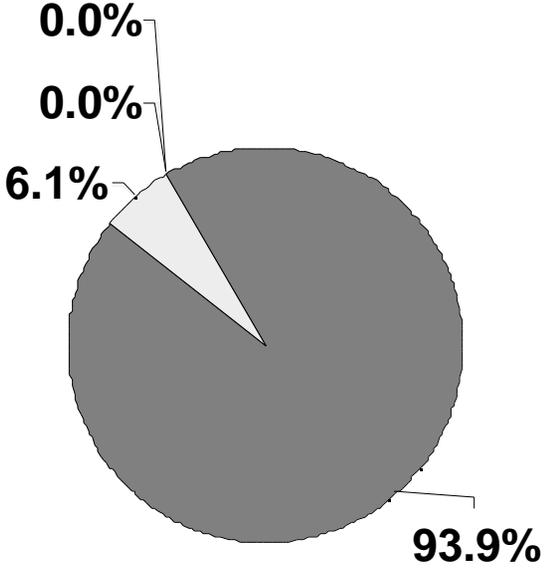
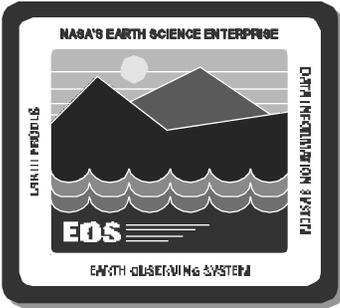
18.4% Approved but not installed

18.4% the findings need to be resolved by a RTSC system administrator. These findings were previously documented as PCA NCR's during previous audits.

3.1% Not Approved but installed

All issues need to be resolved by a RTSC system administrator. These findings were previously documented as PCA NCR's during previous audits.

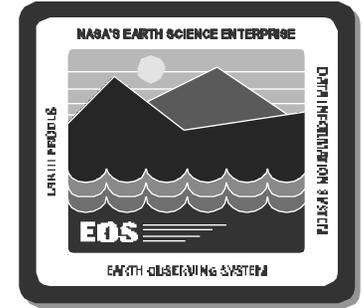
SMC PCA Results - Custom Code



Investigation Completed
on 9/25/00

- 93.9% Properly Installed
- 6.1% Approved but not installed
- 0.0% Not approved but installed
- 0.0% Installed w/incorrect version/path

SMC PCA Results - Custom Code Summary



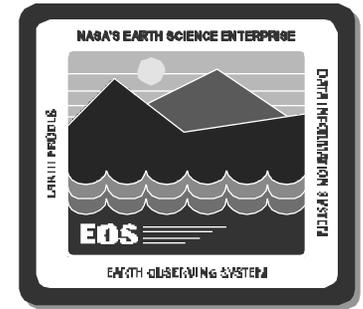
6.1% Approved but not installed:

- The ClearCase sitemap says that EcCsQueryRgy and LoadingTool should be placed on the “msh” hosts. However, these two HP executables are never built or delivered. Development needs to provide the executables or change the sitemap.

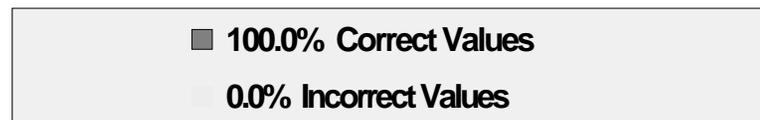
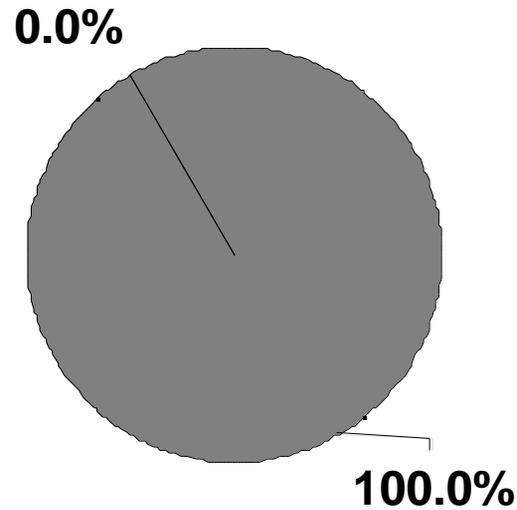
Resolution

- NCR will be written.

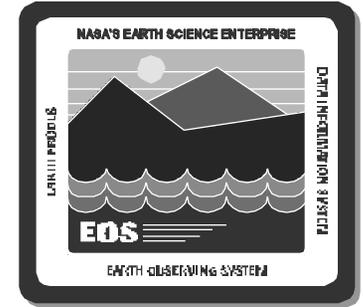
SMC PCA Results - Configuration Parameters



Investigation Completed
on 9/25/00



SMC PCA Work-off Plan



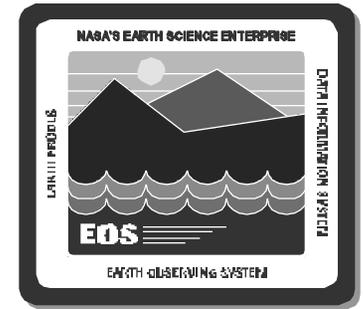
COTS SW:

- 17 findings will result in updates to baseline documentation and will be completed by 10/30/00.

OS Patches:

- 17 Items must be assigned to System Administrator for priority resolution. (0 - Sun's, 17 - HP's)

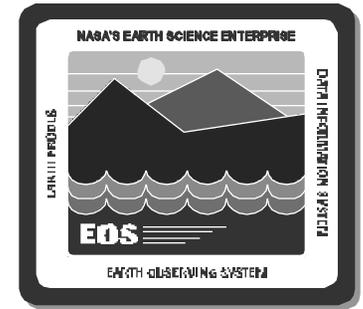
Areas for Improvement



The PCA identified the following issues:

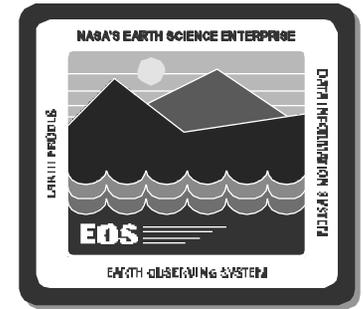
- PCA's should be conducted on a routine basis to resolve discrepancies as they occur.

Process Improvement Actions

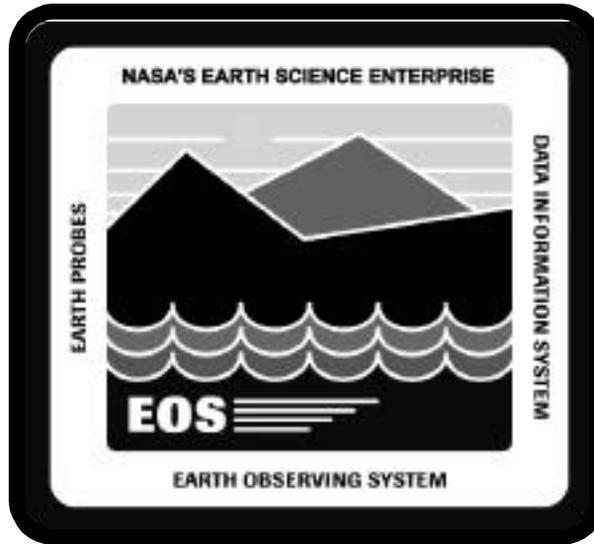


- Audits will be conducted on a weekly basis to identify new discrepancies from the baseline and will be addressed immediately. Status - in progress

SMC PCA Conclusion



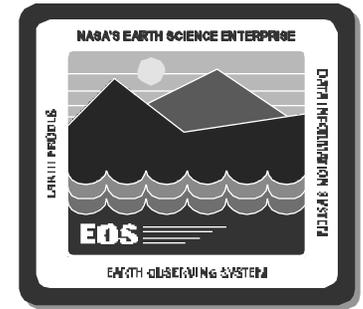
- Items needing resolution have been identified and will be addressed via the work-off plans.
- The results of the PCA demonstrates the integrity of the configuration of the system.



SMC 5B Transition Status

Bhagi Trivedi

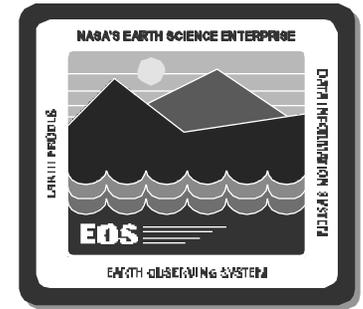
SMC ECS 5B Transition Plan



5B.03 Transition Process

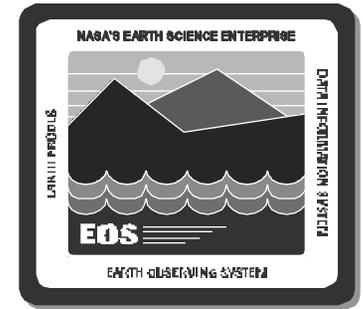
- **Install in TS2 & Checkout (06/30 - 7/07)**
 - Verifies install instructions and basic functionality
 - Review any issues and resolve
 - Disk Configurations
 - Run system tests to verify User Registration and GDS Order Tracking
 - Schedule TS1 install and checkout

SMC ECS 5B Transition Plan



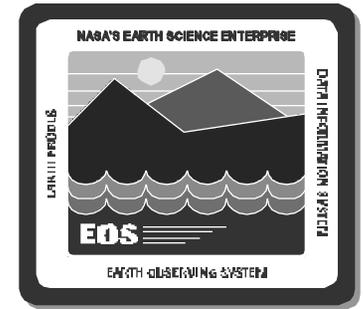
- **Install in TS1 and Checkout (07/11 - 7/15)**
 - Refine install procedures and methods
 - More extensive checkout of software functionality
 - Run system tests to verify DAR Registration, User Registration and GDS Order Tracking
 - Review test results and schedule OPS install

SMC ECS Transition Plan



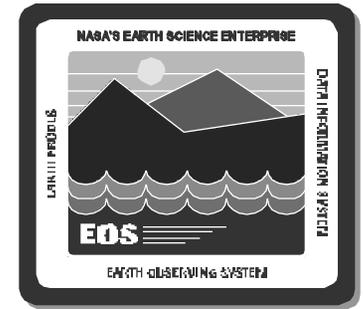
- **Install in OPS and Checkout (07/11 - 7/26)**
 - Refine install procedures and methods
 - More extensive checkout of software functionality
 - Run system tests to verify DAR Registration, User Registration and GDS Order Tracking
 - Replication has been tested in OPS mode with GSFC, EDC, NSIDC and LaRC.
 - Review test results

SMC ECS Post Transition Issues



- **Post Transition Issues/comments**
 - **New functionality not verified**
 - **ASTER to ECS Gateway test scheduled for the week of 10/11.**
 - **Forward new disk configurations to Systems Engineering**
 - **Trouble Ticket was generated to indicate the new disk configurations.**

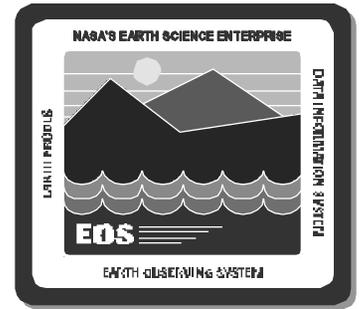
SMC ECS Post Transition Issues



- **Post Transition Issues/comments**

- **New functionality not verified**
 - **ASTER to ECS Gateway test scheduled for the week of 10/11.**
- **Forward new disk configurations to Systems Engineering**
- **Trouble Ticket was generated to indicate the new disk configurations.**
- **EcDmDictServer core dumped when importing valids from EDC and GSF**
 - Need valids imported for the Aster GDS/ECS interoperability test**
- **Medium Priority Trouble Ticket to fix core dumping of EcDmDictServer**

Summary



No Show stoppers found

Trouble Ticket to resolve EcDmDictServer core dumping.

Summary/Actions

