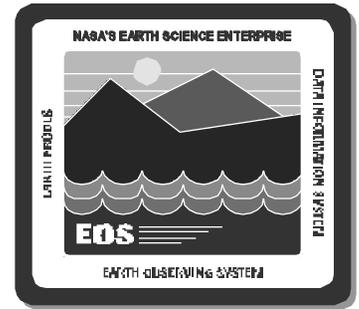


Release 5B - EDC Site Readiness Assessment (SRA)

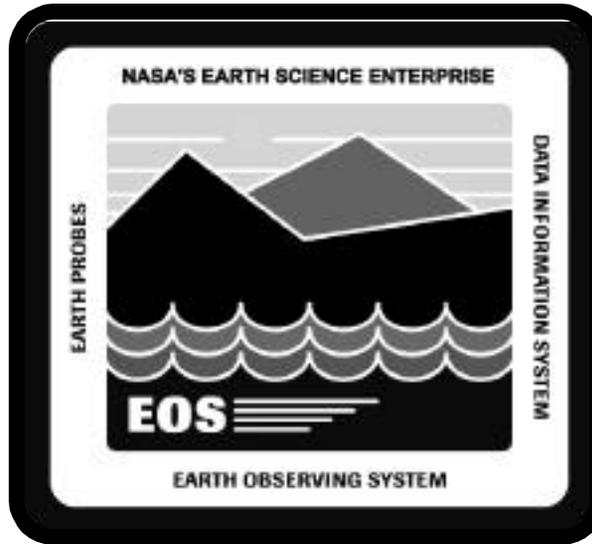
04 August 2000

Agenda



- Introduction
- Physical Configuration Audit Results
- EDAAC 5B Transition Results
- Summary

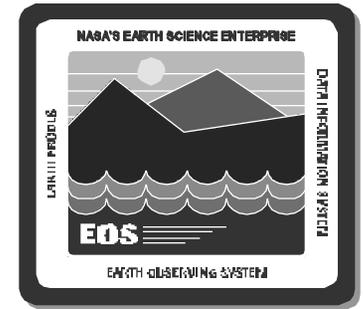
Ravi Nirgudkar
Wanda Brown
Greg Stansaas
Ravi Nirgudkar



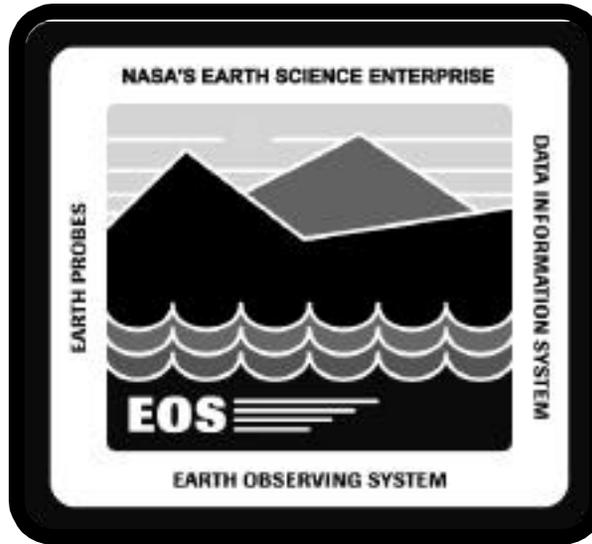
Introduction

Ravi Nirgudkar

Introduction



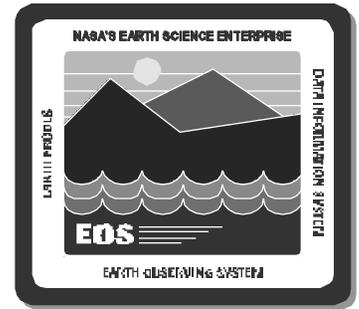
- **Review new capabilities added since PSR**
 - None to report
- **Review updated Development status since PSR**
 - None to report
- **Review updated Test Engineering status since PSR**
 - None to report
- **Review CM PCA results**
- **Review EDC test results and transition status**



Physical Configuration Audit

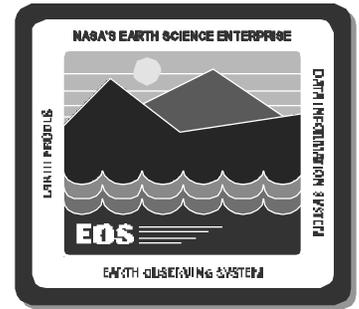
Wanda Jones Brown

Agenda



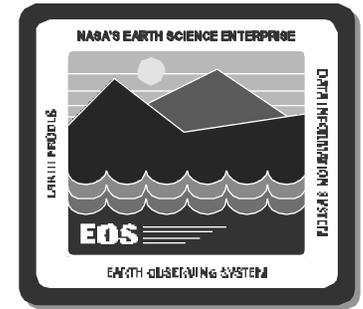
- **Purpose of the PCA**
- **PCA Activities**
- **PCA Results**
- **Conclusion**

Purpose



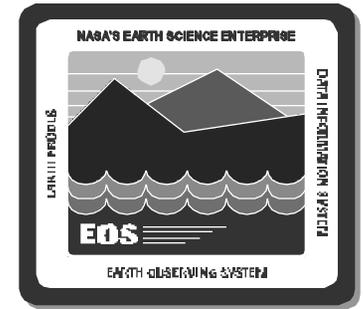
Review the “as built” configuration to the “as approved baseline” configuration to verify the integrity of the system prior to transition to operations.

PCA Activities



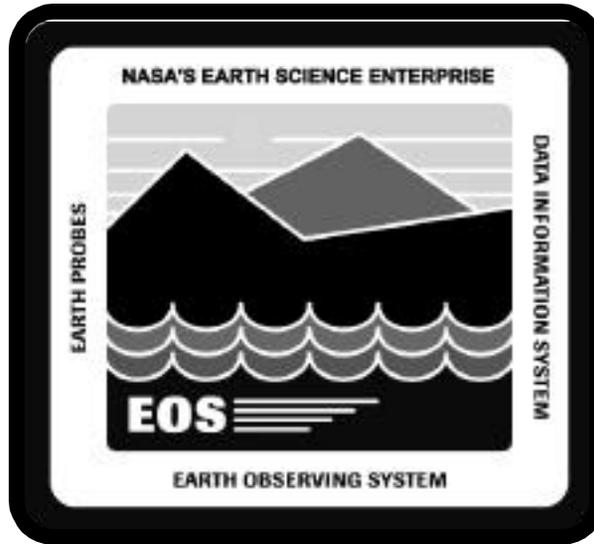
- **PCAs - Transition Modes**
 - **COTS Software**
 - **O/S Patches**
 - **Custom Code**
 - **Configuration Parameters**

Documentation of Findings



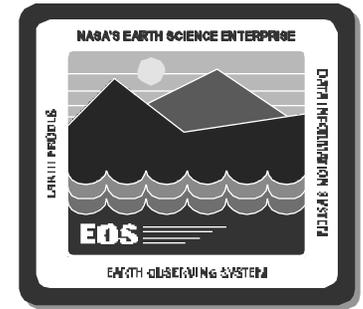
- **NCR classification recognized by the following distinction:**

- | <u>Class</u> | <u>Severity</u> | <u>Definition</u> |
|--------------|-----------------|---|
| – 1 | High | Critical product. All work ceases until baseline installed; correction mandatory. |
| – 2 | Medium | Critical product. Correction important to assure system operation. |
| – 3 | Low | Non-critical product. Correction recommended to assure continued level of support |

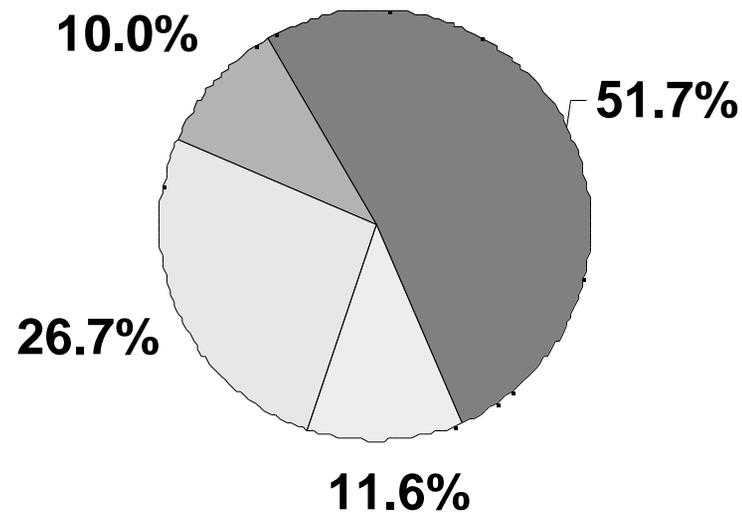


EDC PCA Results

EDC PCA Results - COTS Software

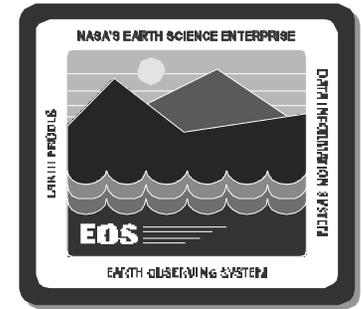


Completed Investigation
on 8/2/00

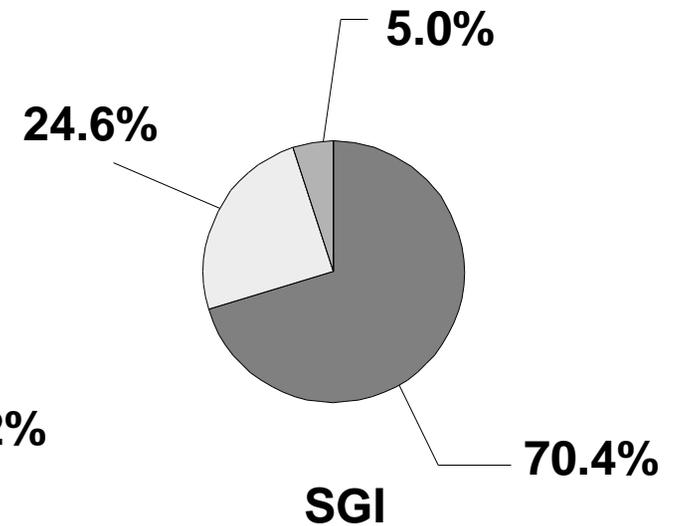
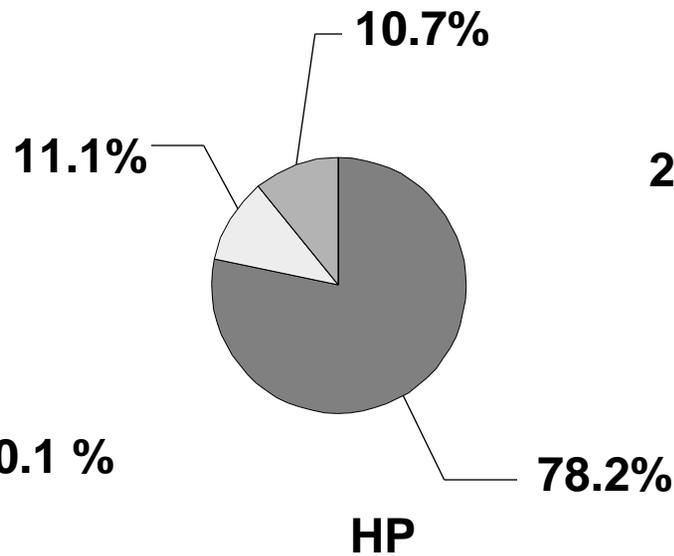
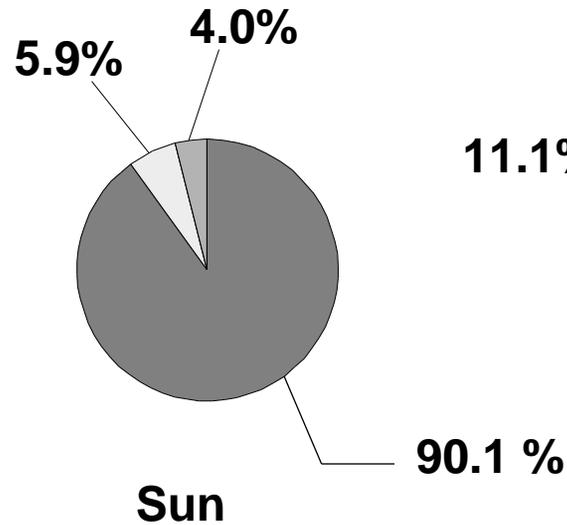


- 51.7% Properly Installed
- 11.6% Approved but not installed
- 26.7% Not approved but installed
- 10.0% Installed w/incorrect version/path

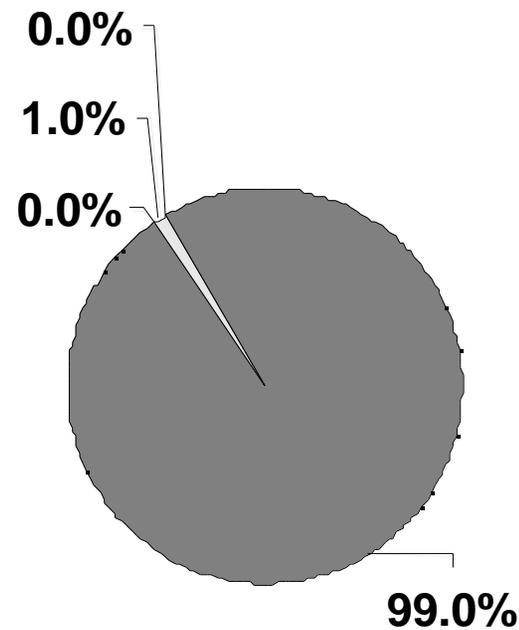
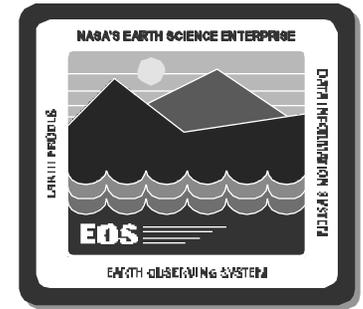
EDC PCA Results - O/S Patches



Completed Investigation
on 8/1/00



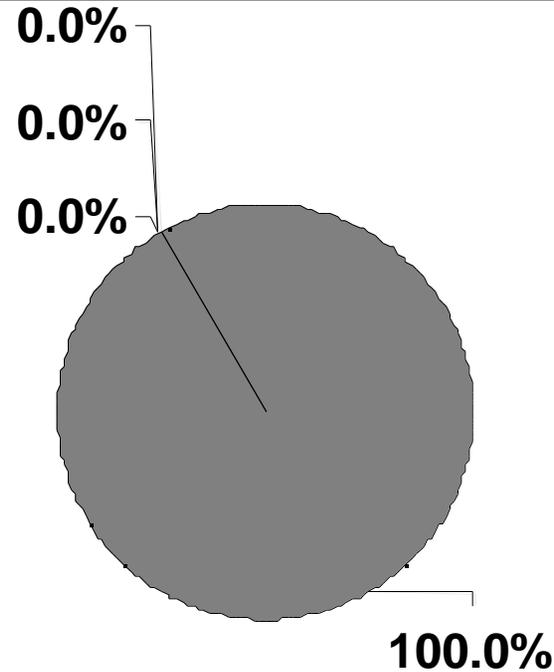
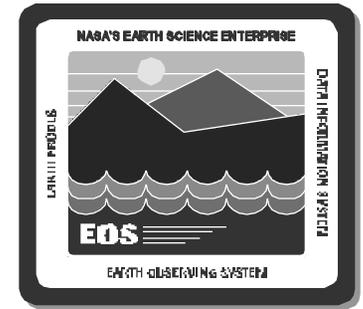
EDC PCA Results - Custom Code



Completed Investigation
on 8/1/00

- 99.0% Properly Installed
- 0.0% Approved but not installed
- 1.0% Not approved but installed
- 0.0% Installed w/incorrect version/path

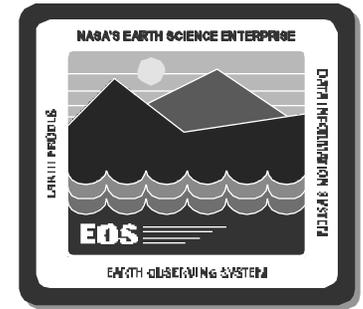
EDC PCA Results - Configuration Parameters



Completed Investigation
on
7/25/00

- 100.0% Properly Installed
- 0.0% Approved but not installed
- 0.0% Not approved but installed
- 0.0% Installed w/incorrect version/path

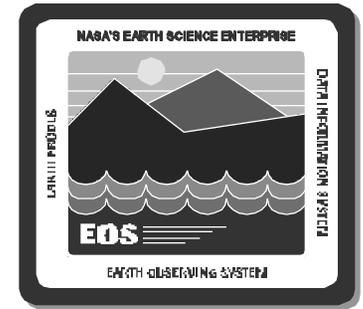
EDC PCA Workoff



EDC

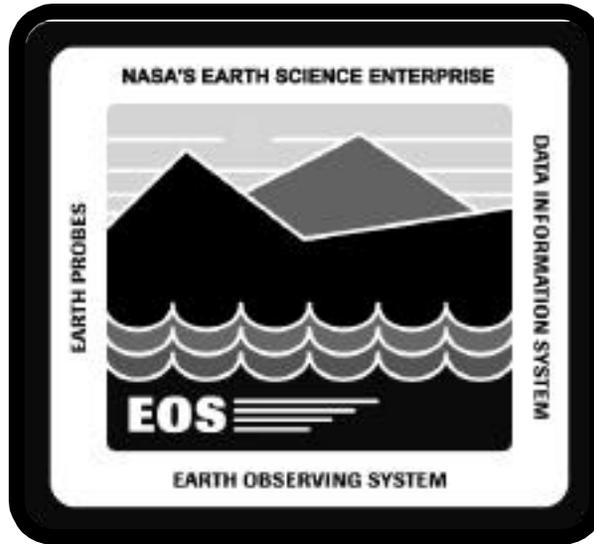
- **Items needing resolution**
 - **38% updates to baseline documentation will be completed by 9/15/00**
 - **10.3% will be worked by CM and M&O with the DAACs to prioritize and complete outstanding items that require resolution at the DAACs**

EDC PCA Recommendation



EDC

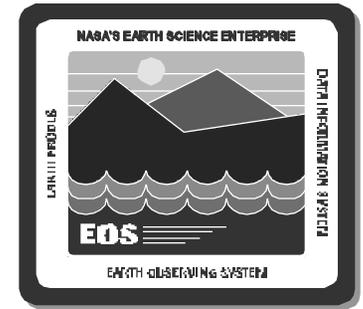
- **Items needing resolution are minor and do not impact the integrity of the system and will be addressed via the workoff plan**
- **Overall, the results of the PCA demonstrates the integrity of the configuration of the system**
- **PCA will be performed after move to operations**
 - **Weekly audits**



EDAAC 5B Transition Results

Greg Stansaas

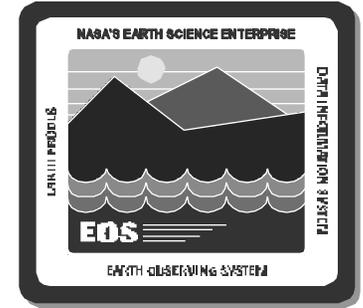
EDAAC ECS 5B Transition Results



5B Install Process and Critical Functionality Tested

- **13 TT/NCRs Submitted for TS2 Install**
 - No functionality NCRs
 - PLS failed to auto-install; manual workaround needed
- **No TT/NCRs Submitted for TS1 Install**
 - All but PLS TT/NCRs corrected; no major functionality TTs
- **Parameter Registry in use for both modes**
 - EDAAC Process in place for Registry CM
- **Replication Server not tested**
 - SMC and EDAAC testing complete; WA required ECSed27591
- **No rollback testing necessary; excellent progress in the VATC**

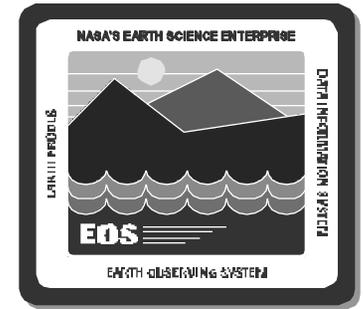
EDAAC ECS Transition Readiness



Installs are repeatable; no functionality showstoppers

- **OPS Install less than 24 hours downtime (buffer days not used)**
 - 2nd 24 hours was buffer to assess and correct any major problems
 - 3rd 24 hours was buffer for rollback if necessary
- **OPS Checkout Completed for Drop 5A.05 equivalent functionality**
- **Schedule did not allow for new functionality checkout and training in TS modes**
- **No significant performance testing done @ DAAC (Modes too small)**

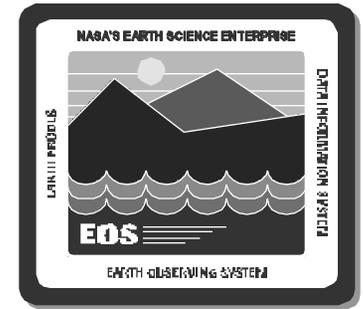
EDAAC ECS Post Transition Issues



- **Post Transition Issues**

- **Drop 5B configuration baseline issue (27462) SV1 reducing to SV2**
 - Machine parameter baseline (# of file desc. not defined)
 - Required Number of Sybase User connections increased
 - Major Impact due to OPS downtime and loss of TS2
- **Missed Restricted Granule Access Scripts in Install Process (S2590)**
 - Minor impact due to not being TERRA public – SV 1 fixed 8/3/00
- **Path Row Search broken (27635) SV2**
 - Minor user impact- user can miss data if search fails
- **V0GW hang (bad current node) – fix being provided (27581) SV2**
 - User Search & Order impact during V0GW hang

EDAAC ECS Post Transition Issues (cont.)



- **Post Transition Issues**

- **ASTER D3 ingest failures**

- SV 1 operational issues related to not testing with current data

- Partial data failure is being worked – data or ingest problem?? (S2601)

- Real number in metadata for % QA out of bounds needs to be converted to integer in ECS (27636)

- **ASTER Production not working – being worked**

- SV 1 issues because currently cannot develop ASTER products

- Multi granule File PGE failure (27634/27623) & ASTER L1B ingest hang (27633)

- **Unexpected ECS User Registration for ASTER on_demand processing**

- EDAAC concerned that this should be open to all users

- **Browse and Search performance monitoring DUEs broken (27568) SV2**

- 5A entries were removed from 5B ALOGs – TERRA load monitoring issue

- **ASTER L1B Browse association script required for Drop 5B by 9/1/00**

Summary

