



Line Office NESDIS CLASS

OA Q2 FY10 Quarterly Report – April 26, 2010

G Current Qtr Customer Business & Strategic Results

- CLASS releases were promoted to all sites during this quarter. The most recent was CLASS Release 5.2.6 which was promoted to all sites on March 8th
- CLASS is applying the accelerated implementation schedule for Climate Model Data. CLASS had ingested 64 terabytes (TB) of data by March 30, 2010
- Competed and delivered the Storage Area Network (SAN) Storage Technology Deployment Guide and installed 4 SAN servers at NSOF.
- Continued preparations for the Standard CMMI Appraisal Method for Process Improvement (SCAMPI)-A appraisal to be conducted in mid-April 2010.
- Updated the CLASS nine year Integrated Master Schedule.
- Updated the CLASS Business Continuity Plan and the CLASS Contingency Test Plan and Test Cases.
- Completed the CLASS risk management audit and documented results.
- Began the migration of CLASS to run under the Linux operating system.
- Preparing for the GOES-R SRR/SRD Delta Review.
- Prepared presentations for the CLASS Developers' Workshop.

G Next Qtr Customer Business & Strategic Results

- Re-ingest the reprocessed DMSP SSMI TDR data in NetCDF format from NCDC. It is approximately 3.3 TB
- preparations for and participate in GOES-R Delta SRR/SDR
- Transition Release 5.3 to Operations.
- Complete development of Release 5.3.1 and transition it into Operations.
- Continue development of release 5.4.
- Support GOES-R Delta Review.
- Participate in the CLASS Developers' Workshop.
- Provide cost estimate to DGP CLASS management for adding ACSP0 data.
- Conduct ORR for Release 5.3.
- Conclude test and verification of Release 5.3 by April 16th.
- Baseline NPP load testing data.
- Support integration of Linux machines to CLASS Legacy Load environment (new name for PoP).
- Coordinate CLASS R5.4 peer reviews via the InSpec tool, as needed.
- Complete preparations for the CMMI Maturity Level 3 appraisal and participate on the appraisal team.

G Risks, Issues, and Innovations

Risks:

- System performance may be insufficient to support future campaign volumes and requirement. CLASS team is testing an increase of deliverable bandwidth at NGDC .
- Procedures to review archive requests are not completely implemented.
- Migration of CLASS technologies from AIX to RHEL.
- Requirements of spare parts not defined.
- NPP Load testing results may be inadequate to demonstrate CLASS meets/exceeds NPP requirements. The overall volume of NPP data is nearing the previously defined ingest sizing volume.
- New Risk - Migration of data to new EMC Storage Are Network (SAN) could result in data loss.

Issues: No new issues to report.

Mitigation:

- The CLASS-SE plan/design needs to be changed to reflect removal of server virtualization.
- CLASS plans to upgrade StorNext COTS software this year.
- CLASS now excludes additional aggregate level metadata.
- CLASS mirroring what IDPS does expect in sub-setting of aggregations.

G Planned & Actual Expenditures (FY10)

Milestone	Cumulative Planned Cost (FY10-Q2)	Cumulative Actual Cost to Date (FY10-Q2)	Cost Variance
CLASS Operational Costs	\$2,953,534	\$2,785,052	\$168,482

R Red = Management attention required

Y Yellow = Potential management action required

G Green = Necessary and on-track

NOAA/NESDIS/CLASS FY10 2nd Quarter notes

- CLASS FY10 Second Quarter Operational Analysis (OA) data is based on a summary of the CLASS performance reports for January, February, and March, 2010.