



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for April 5, 2013
Ed Kearns, Acting Chief



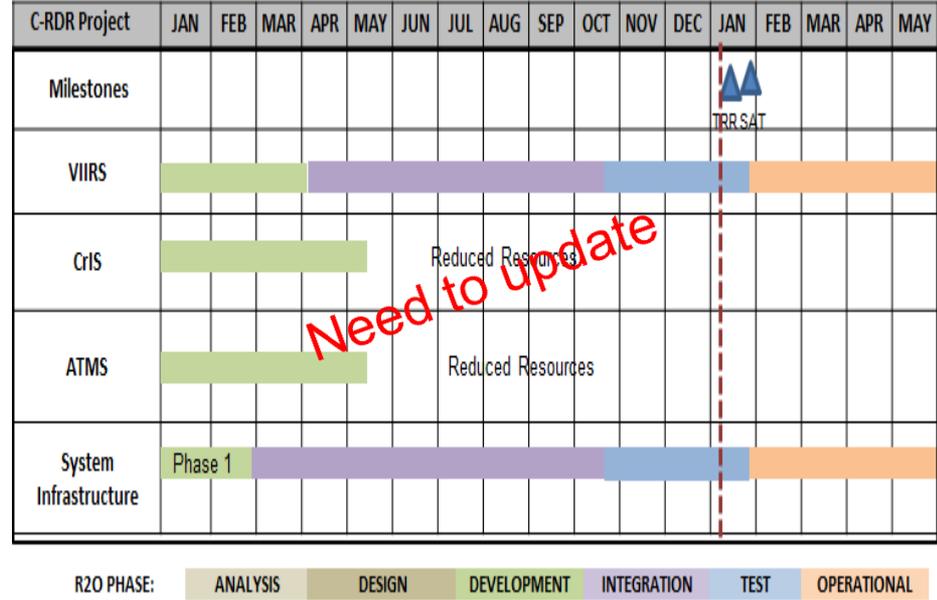
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NPP/JPSS Climate Raw Data Records (C-RDRs) Project

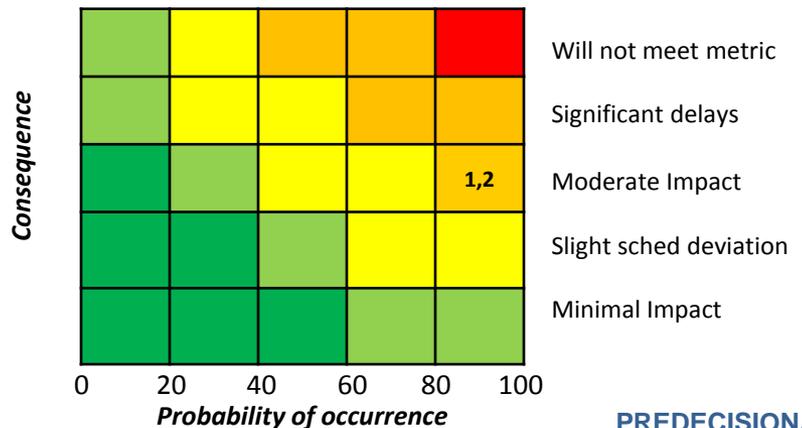
Weekly Report – April 6, 2013

VIIRS

- 1 • Completed code for C-RDR and Support Data..
- 2 **System Infrastructure**
 - Integrating with the VIIRS C-RDR.
 - **Blade Center unavailable last week. ITB resolved issues and updating storage network for Production container.**
 - **Resolved intermittent time issue for RDR granules.**
 - **Configuring browser-based review tool for final code review.**
 - Initial verification of SDR from C-RDR compared successfully.
 - Draft System Acceptance Test procedure completed.
 - VIIRS Product Specification is ITAR approved.
 - C-RDR access via HAS (two years of tapes for HDSS).
 - Integrating: Ingest data from CLASS and producing C-RDRs.
 - Will deliver initial version with ADL 3.1.



Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –

Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.



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OISST Research to Operations Project

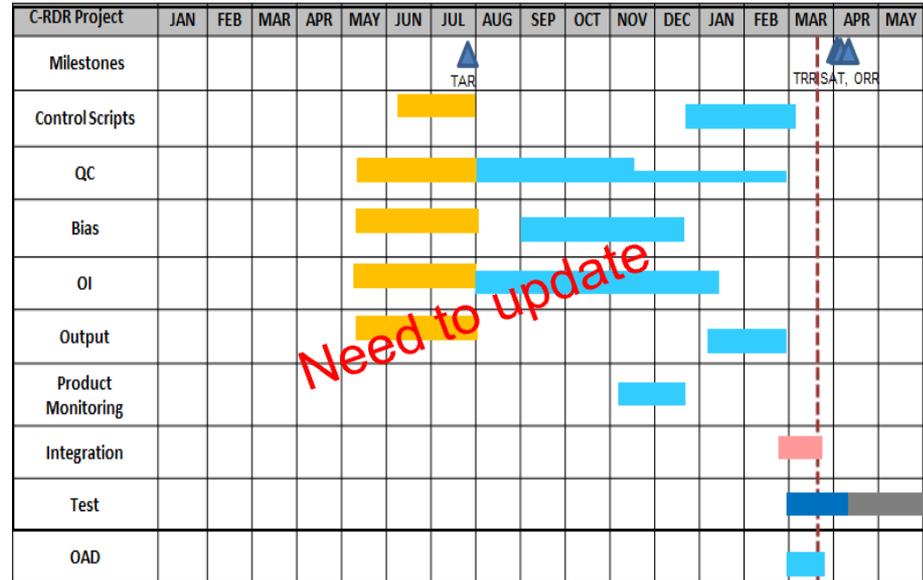
Weekly Report – April 6, 2013

1 OISST – Optimum Interpolated Sea Surface Temperature

- Blade Center unavailable last week.
- Finishing final code updates based on code review comments.
- Setting up test data on Rainband for parallel test.
- Reviewed OAD template.
- Need to update schedule for parallel test, input and output mods.
- Completed code reviews (QC, output, control scripts).
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Evaluating validity/duplicates in compile options & static analysis.
- Defined list of tasks for refactoring of each component.
- Developing tests (functional & component) to verify code.
- Completed testing of static analysis and complexity tools.
- Conducted Technology Assessment Review July 25.

Operations:

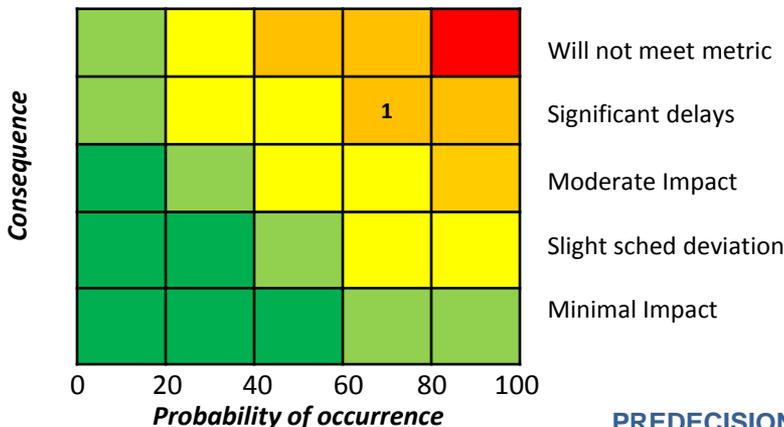
- Updated and tested scripts to handle new sea ice data format.



Need to update



Risk Matrix

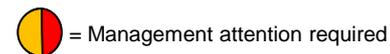
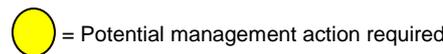


Risk and Mitigation

- Resource availability for performing the transition. Need scientific evaluation of reliable/archived inputs (ICOADS).
- Configuration Management (CM) process not defined for operations. CM process is being defined.
- No Quality Assurance team available.
- Modifying existing software for internal software changes. Product output must remain unchanged for users. Run in parallel with current version.
- OISST processing will be on a 64 bit architecture.

PREDECISIONAL DRAFT INFORMATION

4/8/2013





CDR Program Office

FY13 Agile Product Development

Weekly Report – April 5, 2013

0. Methodology – Sprint FY13.E March 25 – April 19

- Focus is publication of OAD Template, updating ORR checklist for IOC and FOC, assisting OISST group in developing OAD, and beginning work on CDRP requirements management.

1.2 CDR Website

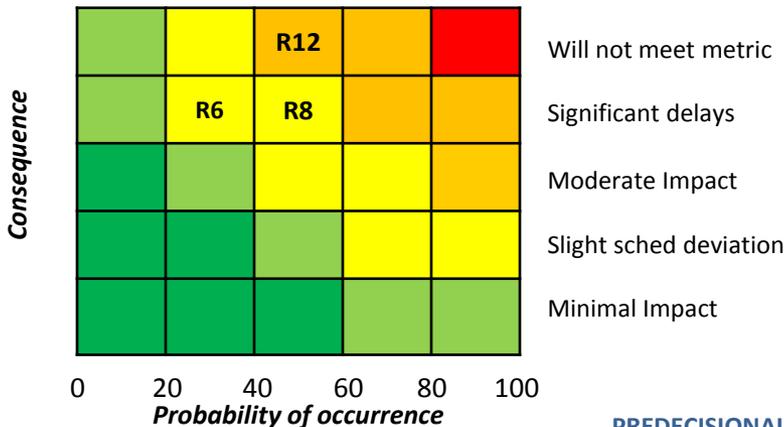
- Brian May (DAAB) gave presentation on Piwik and Web Analytics.
- Individual data update/contact pages are being created by John Stachniewicz. Separate email list for each CDR.

5.4 Operational Algorithm Description (OAD) Template

- Comments received from Operations Branch, Products Branch, and some Program Office staff. Thank you!
- Responses to comments will be worked next 7 days.
- Anticipate follow-up tabletop review 1-2 weeks later.

Agile Product Development		J		Feb				Mar				Apr				May			
		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
		26-1	2-8	9-15	16-22	23-1	2-8	9-15	16-22	23-29	30-5	6-12	13-19	20-26	27-3	4-10	11-17	18-24	
Sprint	Principal Focus																		
B	IOC to FOC Selection																		
C	Support for DISST FOC Transition																		
D	Support for DISST FOC Transition																		
E	Support for DISST FOC Transition																		
F	TBD																		
G	TBD																		
H	TBD																		
I	TBD																		
J	TBD																		

Risk Matrix



Top Risks and Mitigation

R12. Funding gap or cut

- Gaps or cuts may result in staff furloughs, layoffs, or resignations. Delivery milestones may not be met. Using Agile methodology to minimize potential waste from unfinished work.

R8. Lack of independent Process and Product Quality Assurance

- Products may not perform correctly in the user's environment. Scarce resources may be diverted to perform rework. Previous results may not be reproducible. Reputation of Center and its contractors could suffer. Risk is accepted since effective mitigation for the CDR Program would require a Center-wide solution.

R6. Personnel at maximum workload

- Loss or illness of any staff member would jeopardize the timely delivery of the planned products. Using Agile methodology to minimize waste from unfinished work.