



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for March 1, 2013
Jeff Privette, Acting Chief

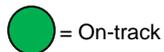
IOC Transition Status – Mar 1, 2013

CDR	Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions					Misc		Archive			Release			
	Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metadata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Put dataset on THREDDS access server	Put data, docs, and code on web page	Conduct ORR
1	UAT 4Layer MW RSS	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	29-Jan	7-Feb	30-Jan	30-Jan	7-Feb	11-Feb	14-Feb	
2	Vegetation Bundle	x	17-Jan	\$\$\$?																								
3	Cryosphere Bundle	x	x	Do Not Proceed																								
4	Solar Irradiance Bundle	x	1-Jan	CDR ?																								
5	PERSIANN precipitation	x	x	26-Feb	30-Jan	x	x			22-Feb	22-Jan																	
6	Atmos Temp Bundle (MSU/ AMSU/SSU)	x	x																									
7	Ocean Surface Bundle	x	21-Feb																									
8	Cloud/ Moisture Bundle	x	31-Jan																									
9	OISST	x	x	x	x		x	x	x				x						x						x	x		
10	MSU/AMSU Temp Suite	x	PI requested 1 yr ext																									
11	ISCCP	x	17-Jan																									
12	OLR Daily	x	x																									
13	AMSU-A CH7	x	x																									
14	MW Imager SSM/I(S)	x	x		x	x		x					x															

Notes:

- 1) Closed both ORR action items; Susan sent draft release strategy (NCDC News, Facebook, Twitter) for review.
- 2) Assessment completed Jan 17 - need decision on how to proceed
- 4) Terry has opened a dialogue with the PI, still waiting to see if he will deliver a CDR
- 5) Reviewed and Accepted Flow Diagram; Received sample documented script
- 7) Assessment Complete; PI plans to deliver all CDR parts for Ver 2.0, but not within the time/\$ constraints of the original proposal, ECD - Nov 2013
- 8) Initial assessment completed Jan 31. Developed schedule for completion in early FY14
- 14) PI requested 1 year extension; no assessment items available, mainly due to delay in CDAAC's processing/re-processing/validation activities

PREDECISIONAL DRAFT INFORMATION



= On-track

= Potential management action required

= Management attention required

Other CDR Discussion Items

- **Working CDR flyers (minimal text, maximum graphics):**
 - Received final High Resolution flyers for OISST and SCE from Graphics (ready to link on the web page)
 - Received all flyer information and images for remaining 11 flyers from TMs.
 - Compiled all info into a single spreadsheet, sent to Hilawe and Susan for initial review
 - Will send in small batches to graphics for draft flyers
- **Reviewing/modifying OISST CDR Fact Sheet (template) for compliance with latest guidance:**
 1. History/background
 2. Users/apps
 3. Data sources (or inputs)
 4. Temporal/spatial info
 5. Data access
 6. Update frequency
 7. Documentation info (CATBD, flow chart, maturity matrix)
- Received Draft C-ATBD for HIRS Clear-sky CH12 Brightness Temperature

SCHEDULE OF DELIVERABLES - CDRP 2012 O&M Contracts and Grants

Name of PI/Institution	Applications	Implementation Plan	Main Update	Routine updates	QA Tools/Process	IP License	CDRP action required?
Christy, J./UAH	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	11/7/2012 CDRP-PLAN-0296	To be coordinated with CDRP, new version - should deliver Aug/Sep	Monthly/8th day of the succeeding month - once delivered	Will need to submit his procedure as part of his new version	YES	YES JG - notify PI: approved Imp Pln
Evans, B./UM (CICS-NC)	- <i>El Nino/La Nina Prediction</i> - <i>Coral Reef Monitoring</i> - <i>IMPACT</i>	9/12/2012 CDRP-PLAN-0290	Undergoing final QC at NODC	Monthly/10th day of the succeeding month	10/23/2012	NO	YES CH - monitor progress with needed changes in the SA
Heidinger, A./NOAA-STAR	- <i>Global Cloud Coverage</i> - <i>Agriculture Assessment</i>	8/16/2012 CDRP-PLAN-0223	Will be delivering entire POR re-processed in netCDF format	Daily/Within 7days of the observation date	9/1/2012	N/A	YES CH - monitor progress with needed changes in the SA CH - complete and route CR for v5.2 to v5.3
Ho, B./UCAR	- <i>Upper Air Climate Monitoring</i> - <i>GPS Accuracy</i>	11/5/2012 CDRP-PLAN-0294 (CH9) CDRP-PLAN-0295 (CH7)	To be coordinated with CDRP, new version	Quarterly/10th day of the month following the end of the quarter	12/17/2012	YES	YES CH - monitor progress with needed changes in the SA CH - complete and route CR for ch9 v1 to v2 CH - schedule ch7 R2O JG - notify PI: approved Imp Pln
Mears, C./RSS (CICS-NC)	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	10/30/2012 CDRP-PLAN-0301	1/15/2013	Once transitioned: Monthly/8th day of the succeeding month	12/15/2012	YES	YES JG - notify PI: approved Imp Pln
Meier, W./U of CO	- <i>Arctic Shipping Routes</i> - <i>Wildlife Management</i> - <i>IMPACT</i>	11/1/2012 CDRP-PLAN-0285	4/30/2013	Quarterly/within 30days of each RSS data delivery	12/1/2012	YES	YES CH - write Meier to get clarification on v2
Robinson, D./Rutgers	- <i>Climate Monitoring</i> - <i>Water Resource Management</i>	10/11/2012 CDRP-PLAN-0297	N/A	Monthly/5th day of the succeeding month	11/10/2012	YES	YES JG - notify PI: approved Imp Pln
Wentz, F./RSS (CICS-NC)	- <i>Precipitation Patterns</i> - <i>Hurricane Intensity Estimates</i>	11/1/2012 CDRP-PLAN-0308	To be coordinated with CDRP, new version	Monthly/10th day of the succeeding month	Will need to submit his procedure as part of his new version	YES	No
	RECEIVED						
	OVERDUE						

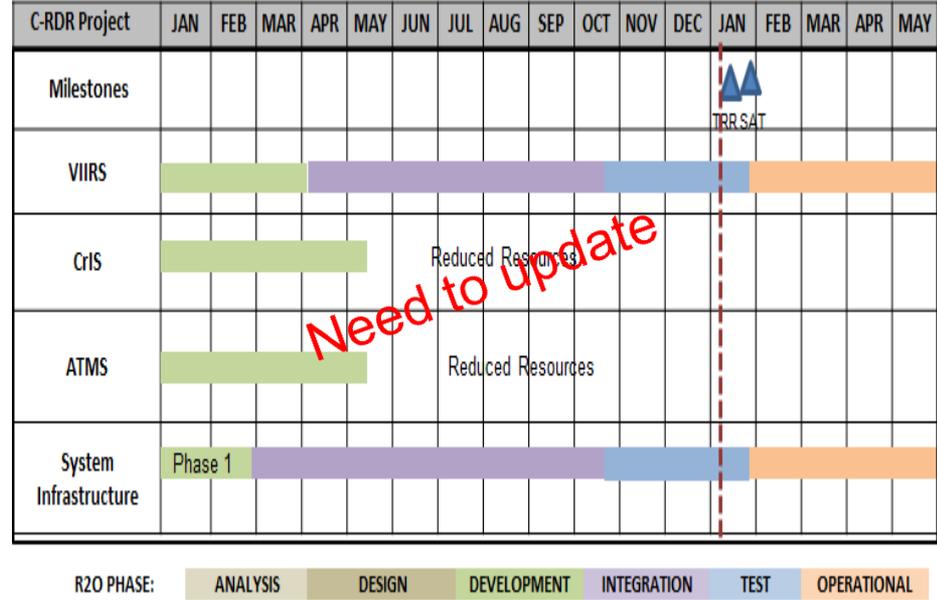


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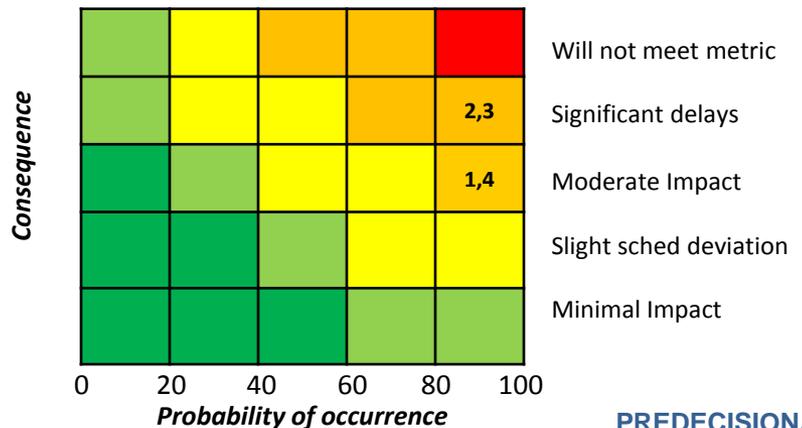
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – March 1, 2013

- VIIRS**
- ① • Completed code for C-RDR and Support Data..
- CrIS**
- ② • Postponed.
- ATMS**
- ③ • Postponed.
- System Infrastructure**
- ④ • Integrating with the VIIRS C-RDR.
 - **VIIRS Product Specification is ITAR approved.**
 - **ITB is completing creation of the Production container.**
 - **Tracking down isolated anomalies found by comparator.**
 - C-RDR access vi HAS (two years of tapes for HDSS).
 - Completed draft the System Acceptance Test procedure.
 - 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.

PREDECISIONAL DRAFT INFORMATION



CDR Program Office

OISST Research to Operations Project

Weekly Report – March 1, 2013

1 OISST – Optimum Interpolated Sea Surface Temperature

- Surface Temperature WG discussing OISST inputs and production of near-real time (preliminary) OISST.
- Refactoring code (QC, output, control scripts).
- Coordinating with CDRP on OAD format/content.
- Created a SOP for operational OISST.
- Conducted Bias, OI main code review.
- Investigating the use of SPEC for product monitoring.
- 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.

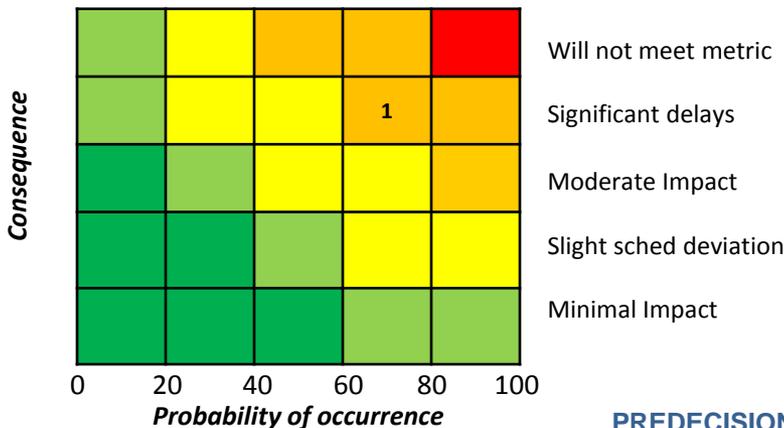
Operations:

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

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	
Milestones							▲ TAR									▲ TRR,SAT, ORR		
Control Scripts																		
QC																		
Bias																		
OI																		
Output																		
Product Monitoring																		
Integration																		
Test																		
OAD																		

R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

Risk Matrix



Risk and Mitigation

- Resource availability for performing the transition.
- 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.**
- Common infrastructure for operations is not fully defined. **Common ingest and dissemination implemented.**

PREDECISIONAL DRIFT INFORMATION OISST processing will be on a 64 bit architecture.



CDR Program Office

FY13 Agile Product Development

Weekly Report – March 1, 2013

0. Methodology

- Sprint FY13.C review meeting was held 2/22
- Sprint FY13.D started 2/25, planning completed, ends 3/22
- Created risk list, will be updated each sprint

1.2 CDR Website

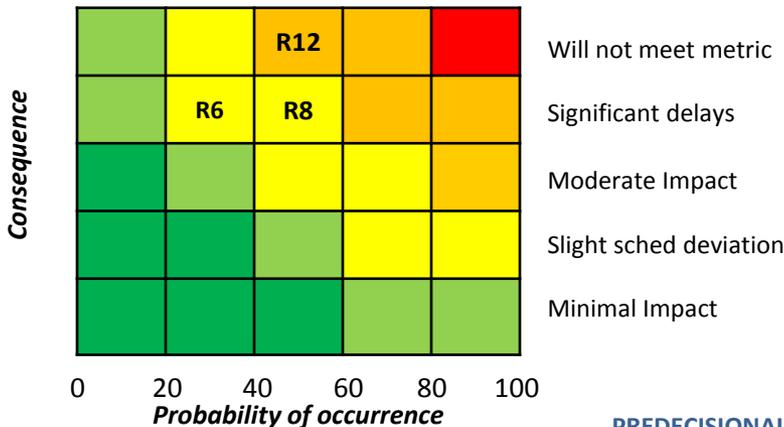
- Met with Data Access and Applications Branch (DAAB) re: (1) Migration to NCDC virtual hosting and Drupal content management; (2) Implementation of Google Analytics.

5.4 Operational Algorithm Description (OAD) Template

- Development approach and current status discussed with Operations Branch Chief and others at Sprint Planning Meeting. Expected to complete this sprint.

Algorithm Assessment		Jan					Feb					Mar					Apr		
		6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Sprint	Principal Focus	29-4	5-11	12-18	19-25	26-1	2-8	9-15	16-22	23-1	2-8	9-15	16-22	23-29	30-5	6-11	12-18		
B	IOC to FOC Selection																		
C	Support for DISST FOC transition																		
D	Support for DISST FOC transition																		
E	TBD																		
F	TBD																		
G	TBD																		
H	TBD																		
I	TBD																		
J	TBD																		
K	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 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.