



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Dec 28, 2012
Jeff Privette, Acting Chief

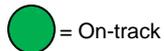
IOC Transition Status – Dec 28, 2012

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	x	27-Nov	30-Nov	29-Nov	30-Nov	7-Dec	10-Dec	17-Dec
2	Vegetation Bundle	x	3-Jan																									
3	Cryosphere Bundle	x	x																									
4	Solar Irradiance Bundle	x	1-Jan																									
5	PERSIANN precipitation	x	x		x	x	x																					
6	Atmos Temp Bundle (MSU/ AMSU/SSU)	x	x																									
7	Ocean Surface Bundle	x	1-Jan																									
8	Cloud/ Moisture Bundle	x	1-Jan																									
9	OISST	x	x	x	x		x	x	x				x						x							x	x	
10	MSU/AMSU Temp Suite	x	1-Jan																									
11	ISCCP	x	17-Jan																									
12	MW Imager SSM/I(S)	x	x		x	x		x					x															

Notes:

- 1) Code submitted for Sec Review, **make files needed**; Ops rep out for few weeks due to ERT hrs reductions; **need to describe Aux data file before archiving**
- 4) PI states, "TSIS mission has been delayed, at least until 2016. For that reason we cannot provide code or data"
- 5) PI has sent draft docs; PI working on netCDF conversion (currently Binary), Source Code requires comments and consolidation
- 7) Assessment items: No main script yet, sample Matlab code; sample binary data; draft paper on Ver 1.0 of dataset; PI plans to deliver all CDR parts for Ver 2.0, "but not within the time/\$ constraints of the original proposal" Estimated completion - Nov 2013
- 8) PI plans to send assessment items by the end of December.
- 10) 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

- **Management input needed on:**
 - Solar time series (Pilewski) – call with PI needed.
 - Cryosphere (Key) – split into two IPTs? Proceed with transition on all or just part of CDR bundle?
 - Hilawe, Ken, Dan, Candace, and Peng had a telecon with Key to discuss applications and better understand connections between the bundled products; transition decision still pending.
- **Initial Assessments in progress**
 - Most of the PIs sent items for assessment
 - (Solar Irradiance, Ocean Surface, and Cloud/Moisture Bundles) don't have any items to submit for assessment.
 - Vegetation assessment set for Jan 3.
 - ISCCP update/discussion on Jan 17.

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	To be coordinated with CDRP, new version	Monthly/8th day of the succeeding month	12/15/2012	YES	NO
Evans, B./UM (CICS-NC)	- <i>El Nino/La Nina Prediction</i> - <i>Coral Reef Monitoring</i> - <i>IMPACT</i>	9/12/2012	Undergoing final QC at NODC	Monthly/10th day of the succeeding month	NCDC will not be performing QA	NO	NO
Heidinger, A./NOAA-STAR	- <i>Global Cloud Coverage</i> - <i>Agriculture Assessment</i>	8/16/2012	N/A	Daily/Within 7days of the observation date	9/1/2012	N/A	YES - CH (coordinate a mtg in Jan for data delivery and QA training)
Ho, B./UCAR	- <i>Upper Air Climate Monitoring</i> - <i>GPS Accuracy</i>	11/5/2012	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 (route his revised Imp Pln)
Mears, C./RSS (CICS-NC)	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	10/30/2012	N/A	Monthly/8th day of the succeeding month	12/15/2012	YES	NO
Meier, W./U of CO	- <i>Arctic Shipping Routes</i> - <i>Wildlife Management</i> - <i>IMPACT</i>	11/1/2012	3/31/2013	Quarterly/within 30days of each RSS data delivery	12/1/2012	YES	YES - CH (review and route his QA tools/training deliverables)
Robinson, D./Rutgers	- <i>Climate Monitoring</i> - <i>Water Resource Management</i>	10/11/2012	N/A	Monthly/5th day of the succeeding month	11/10/2012	YES	YES - CH (review and route his QA tools/training deliverables)
Wentz, F./RSS (CICS-NC)	- <i>Precipitation Patterns</i> - <i>Hurricane Intensity Estimates</i>	11/1/2012	To be coordinated with CDRP, new version	Monthly/10th day of the succeeding month	12/1/2012	YES	NO
	RECEIVED						
	OVER DUE						

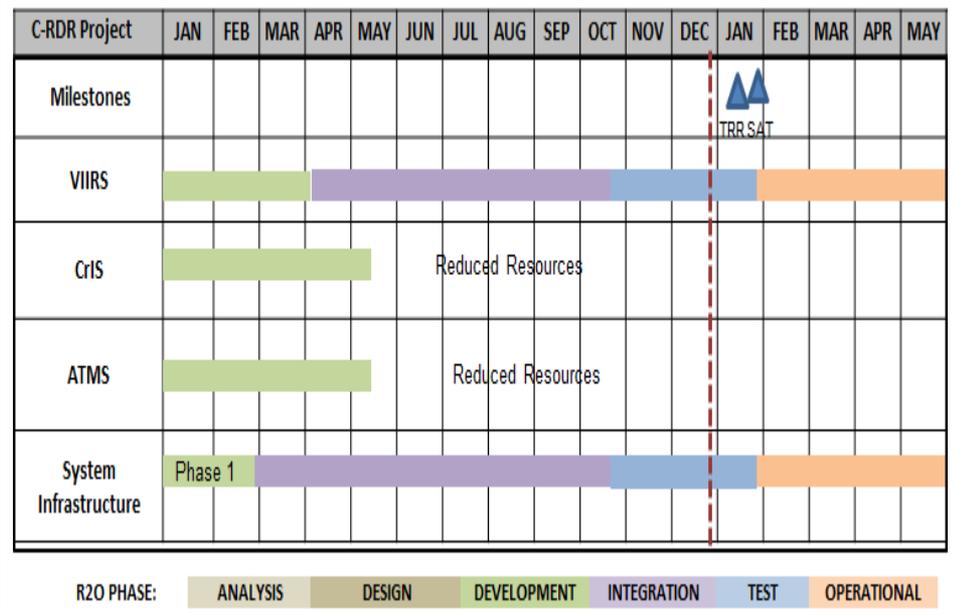


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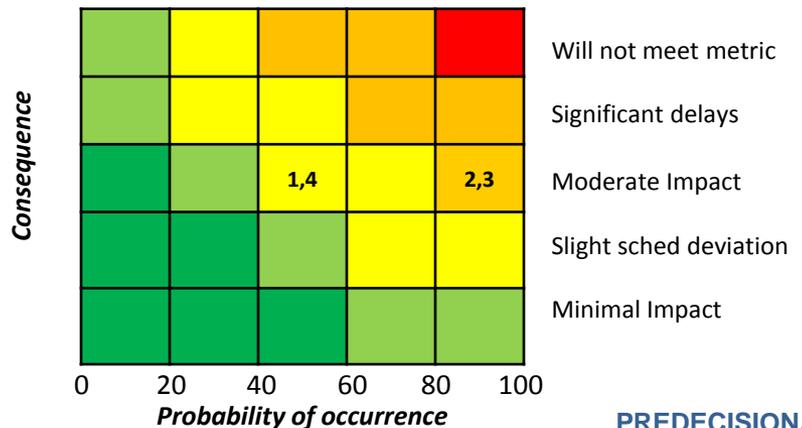
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

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- 1 **VIIRS**
 - Completed code for C-RDR and Support Data..
- 2 **CrIS**
 - Postponed.
- 3 **ATMS**
 - Postponed.
- 4 **System Infrastructure**
 - Integrating with the VIIRS C-RDR.
 - **Continued processing stream and resolving issues.**
 - **Automating the comparator to be part of the processing.**
 - **Updating the System Acceptance Test procedure.**
 - Completed Verified RDR comparator and verified first C-RDR.
 - 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.
- Ability of CLASS to handle the frequency and volume of NPP data. CLASS has been successful during system tests.
- Archive in CLASS is currently cost prohibitive. Need to identify alternate archive. Plan to store C-RDRs on HPSS until migration to CLASS.

PREDECISIONAL DRAFT INFORMATION



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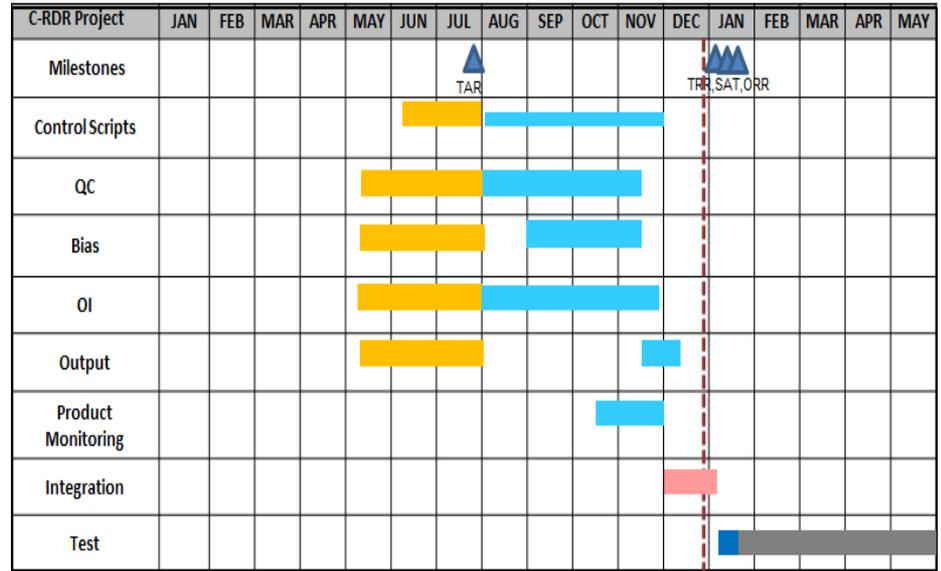
OISST Research to Operations Project

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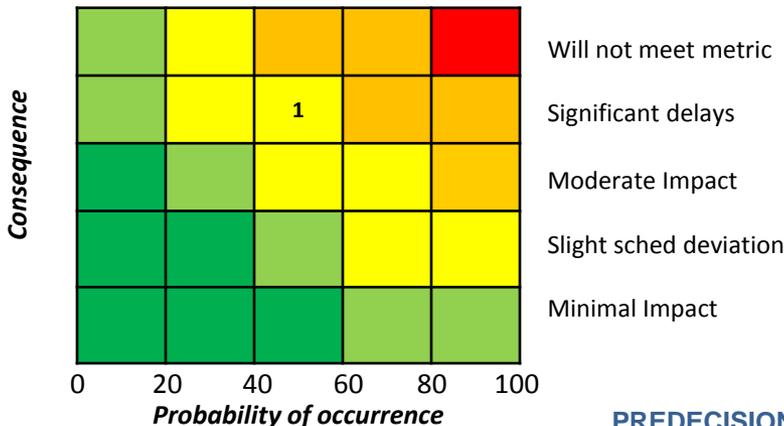
- 1 OISST – Optimum Interpolated Sea Surface Temperature**
- **Need to update schedule (2-3 week slip & personnel reductions).**
 - **Preparing for OI main code review.**
 - **Refactoring code (Bias, QC, OI).**
 - Conducted Bias code review.
 - Implementing common logger calls .
 - Integrated a common logging utility and identified log levels.
 - Investigating the use of SPEC for product monitoring.
 - Conducted code review, refactor and unit test of ship_bias.f90.
 - 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.



Risk Matrix



Risk and Mitigation

- Resource availability for performing the transition.
- Configuration Management (CM) process not defined for operations.
- No Quality Assurance team available.
- Modifying existing software for internal software changes. Product output must remain unchanged for users.
- Common infrastructure for operations is not fully defined.
- OISST processing will be on a 64 bit architecture.

PREDECISIONAL DRAFT INFORMATION