



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for May 10, 2013
Ed Kearns, Acting Chief

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	Mears Kim	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	MW Imager SSM/I(S)	Kummerow Semunegus	x	x	19-Apr	x	x	x	x	23-Apr		26-Apr	26-Apr		x	3-May												July 2013		
3	PERSIANN	Soorosh Nelson	x	x	26-Feb	30-Jan	x	30-Nov			4-Mar	22-Feb	22-Jan															Aug 2013		
4	AMSU-A FCDR (11 Channels)	Zou Semunegus	x	x	29-Apr	6-May	6-May	6-May	29-Apr			8-May		8-May	1-May													Sep 2013		
5	MSU FCDR (3 Channels)	Zou Semunegus	x	x	29-Apr	6-May	6-May	6-May	29-Apr			8-May		8-May	1-May													Sep 2013		
6	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x																								FY13 BU		
7	OISST	Reynolds Banzon	x	x	x	x	30-Jun	x	x	x				x						x						x	x	FY13 BU		
8	Banded Sea Winds	Zhang Zhang																										FY13 BU		
9	HIRS FCDR	Menzel Young	x	31-Jan																								FY13 BU		
10	Cloud/ Moisture Bundle	Menzel Young	x	31-Jan																								Nov 2013		
11	Ocean Surface Bundle	Clayson Zhang	x	21-Feb																								Nov 2013		
12	ISCCP	Rossow Knapp	x	17-Jan	On hold until funding																							FY14		
13	OLR Daily	HT Lee Shi	x	x																								Dec 2013		
14	Vegetation (Stc Reflectance)	Vermote Matthews	x	17-Jan																								Dec 2013		
15	Vegetation (NDVI)	Vermote Matthews	x	17-Jan																								Dec 2013		
16	MSU/AMSU Temp Suite	Ho Shi	x	PI requested 1yr ext																								FY14		
17	Cryosphere (APP FCDR)	Key Peng	x	x																								Jun 2014		
18	Cryosphere (APP-x TCDR)	Key Peng	x	x																								Jun 2014		
19	Solar Irradiance (Oservational)	Pilewski Zhao	x	1-Jan																								FY14		
20	Solar Irradiance (Composite)	Lean Zhao	x	1-Jan																								FY14		

PREDECISIONAL DRAFT INFORMATION

 = On-track
  = Potential management action required
  = Management attention required

Other CDR Items

- **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.
 - Sent all items to graphics for initial drafts of remaining flyers
 - Received all 11 drafts from graphics
 - Reviewed and met with graphics on edits
 - **Deb broke her wrist, waiting on graphics to incorporate last edits**
- **C-ATBDs** for operational CDRs
 - PATMOS-x (complete)
 - HIRS Clear-sky CH12 Brightness Temp (complete)
 - OISST (June)
 - GEO IR Brightness Temp (Sept)

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 CH - schedule CCB
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	Received 2011, will receive 2012 in June 2013	Monthly/10th day of the succeeding month	10/23/2012	NO	No
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
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
Mears, C./RSS (CICS-NC)	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	10/30/2012 CDRP-PLAN-0301	1/15/2013	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 CDRP-PLAN-0285	4/30/2013	Quarterly/within 30days of each RSS data delivery	12/1/2012	YES	YES CH and SME - review draft documentation and provide feedback to PI
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 CH - monitor progress with needed changes in the SA
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	YES CH - close out CR



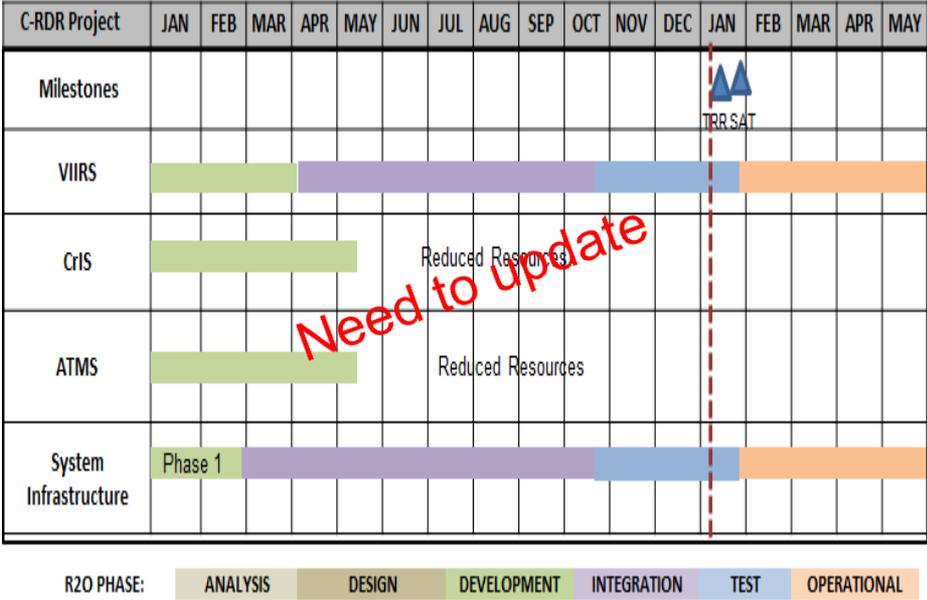
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NPP/JPSS Climate Raw Data Records (C-RDRs) Project

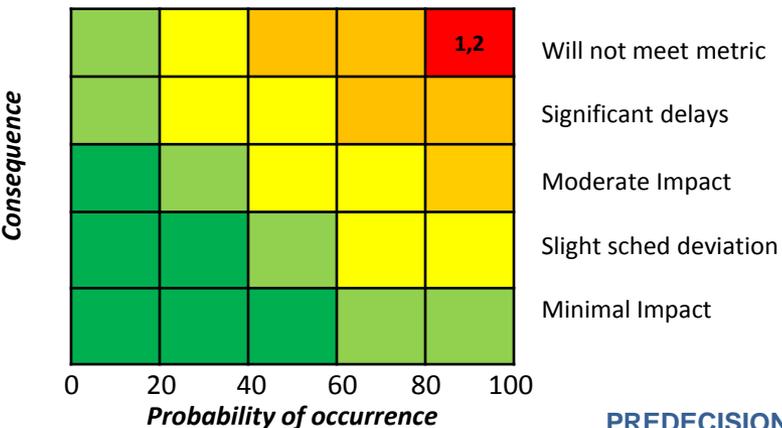
Weekly Report – May 10, 2013

VIIRS

- ① • Completed code for C-RDR and Support Data..
- ② **System Infrastructure**
 - Integrating with the VIIRS C-RDR.
 - **Meeting with ITB to agree on roles and steps for move to TEST.**
 - **C-RDR is configured and running in DEV.**
 - **Performing final code review.**
 - C-RDR is first product moving to three tier environment so steps are documented as they occur.
 - 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.

Reliability of Blade Center administration support. ITB admin position remains unfilled. ITB is working to fill the position.

PREDECISIONAL DRAFT INFORMATION



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OISST Research to Operations Project

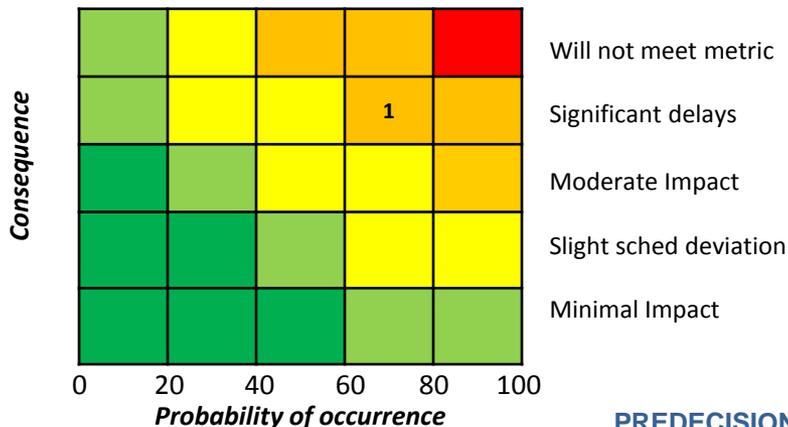
Weekly Report – May 10, 2013

1 OISST – Optimum Interpolated Sea Surface Temperature

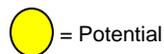
- Running test data and code on Rainband for parallel test.
 - Comparing NCDC ship/buoy data for use by OISST.
 - Presented Lessons Learned to Global Surface Temperature Group.
 - Completed code reviews (QC, output, control scripts).
 - GSTWG discussing inputs and production of preliminary OISST.
 - 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.



Risk Matrix



PREDECISIONAL DRAFT INFORMATION



= On-track
 = Potential management action required
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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.



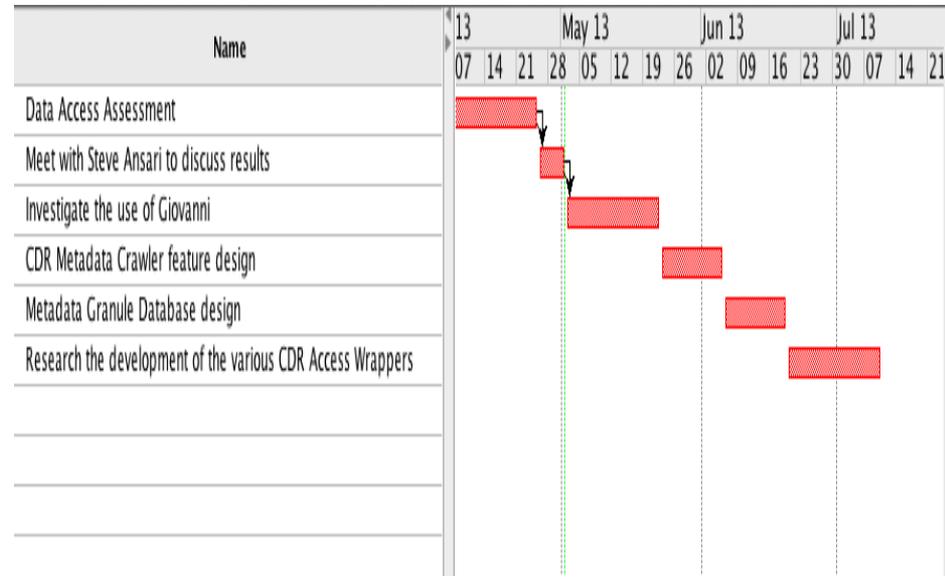
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CDR Dataset Access Analysis

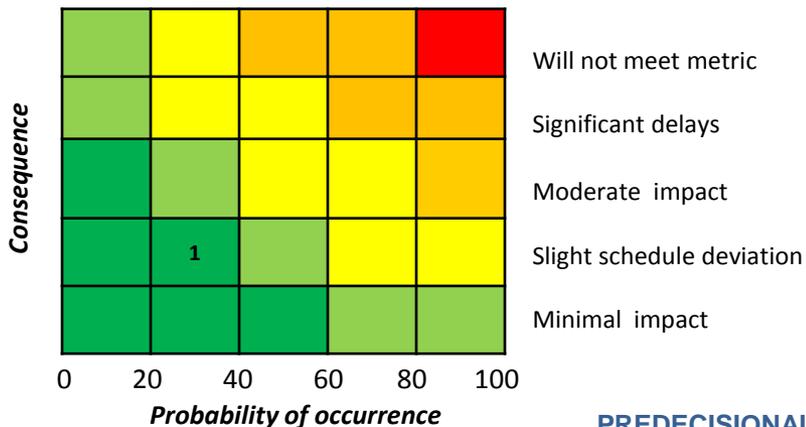
Weekly Report – May 2, 2013

- Completed initial data access analysis for each Operational CDR
- Provided an assessment presentation to Ed K, Drew S., Jeff P., DeWayne C., Jesse G., Steve A., and Terry M. These Power Point slides will be submitted to the CDR Library for future reference.
- Met with Steve Ansari deriving a possible plan to address CDR data access improvement. (see attached slide). Steve will provide a copy of our assessment to his management for review.
- Investigating the possible use of NASA’s Giovanni system. GST (Larry Roelofs) is currently talking with Steve Kempler at Goddard about a joint effort concerning CDR data access.
- Assisting Karsten Shein (NCDC)/Celeste Jarvis (GST) with an upcoming Cancun AMS WCT/Impact paper, presentation, and demo.

Prototyping Schedule (currently being developed)



Risk Matrix



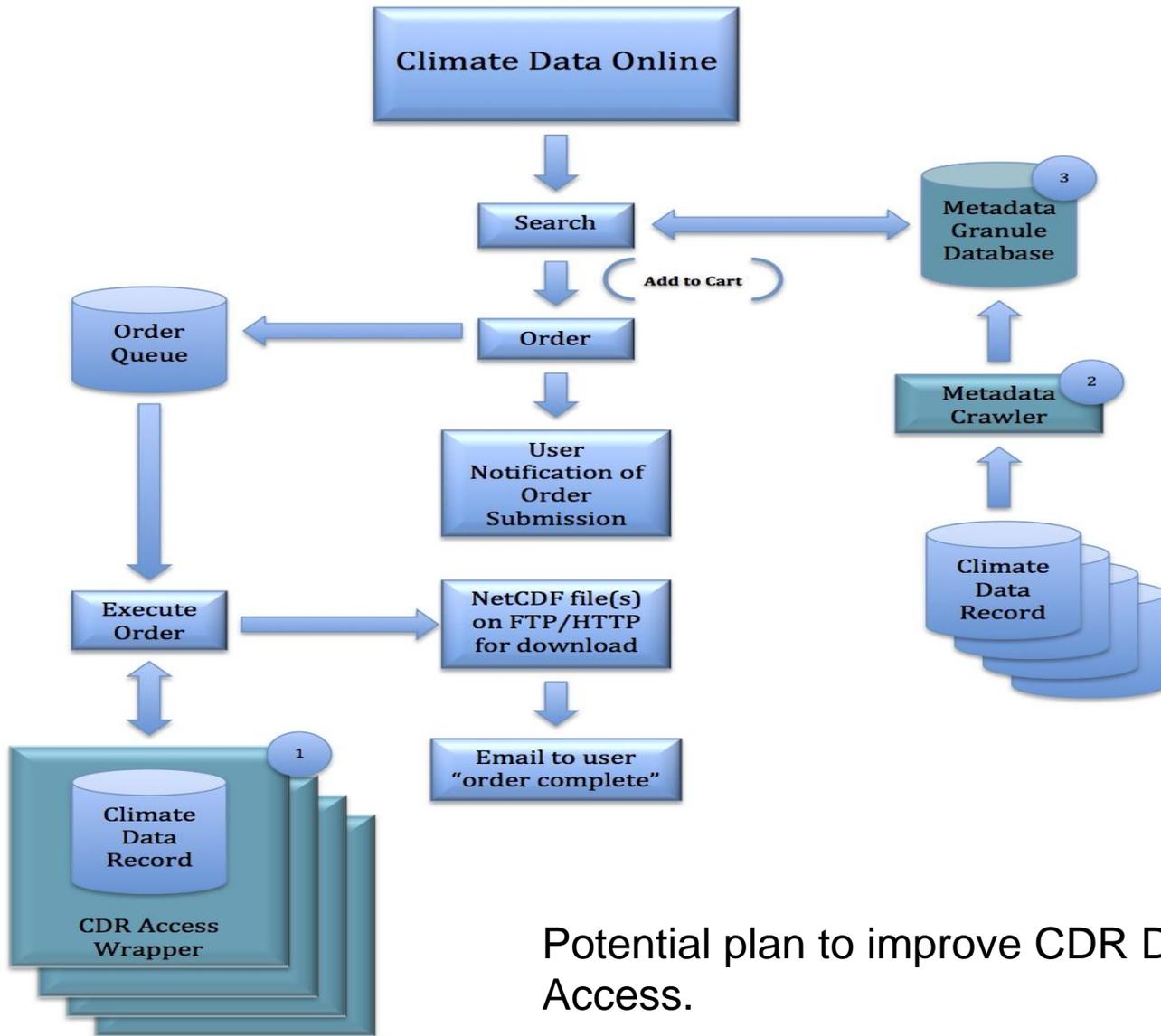
Risk and Mitigation

- 1- Limited personal resources have other obligations

● No change ↑ Increasing Risk ↓ Decreasing Risk

PREDECISIONAL DRAFT INFORMATION





Potential plan to improve CDR Data Access.

Developed by Steve A. and John S.