



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for July 10, 2014
Ed Kearns, Acting Chief

ID	CDR	PI	TM	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	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR			
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi		x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov			
2	Vegetation (Sfc Ref)	Vermote Matthews		x	17-Jan	22-May	2-Jul	26-Jul	7-May	22-May	6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov	1-Apr	1-Nov	19-Nov	5-Mar	24-Apr	12-Nov	14-May	6-Nov	15-May	6-May	7-May	15-May	16-May	21-May			
3	Vegetation (NDVI)	Vermote Matthews		x	17-Jan	22-May	2-Jul	26-Jul	7-May	22-May	6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov	1-Apr	1-Nov	19-Nov	5-Mar	24-Apr	12-Nov	14-May	6-Nov	15-May	6-May	7-May	15-May	16-May	21-May			
4	MSU TCDR	Zou Semunegus		x	IP 23-Dec	25-Feb	25-Feb	25-Feb	25-Feb	25-Feb	19-Mar	4-Mar	4-Mar	4-Mar	4-Mar	4-Mar	26-Mar	28-Mar	31-Mar	31-Mar	31-Mar	28-Mar	2-Apr	11-Jun	2-May	8-May	25-Apr	1-Apr	11-Jun	11-Jun	12-Jun			
5	Cloud Properties	Heidinger Knapp		x	x	x	x	17-Mar	11-Jan	x	16-Jan	x	17-Jan	17-Jan	x	10-Jan	21-Jan			15-May	16-Jan	27-Jun	5-Mar	2-Jul	x	11-Jun	11-Jun	27-Jun	2-Jul	2-Jul	3-Jul			
6	OLR Daily	HT Lee Shreck		x	x	1-Jun	6-Jan	1-Jun	11-Jan	30-Jan	10-Jun	2-Jun	10-Jan	4-Jun	14-Jan	6-Jun	10-Jun			5-Jun	15-Jan	16-Jun	11-Jun	24-Jun	12-Jun	18-Jun	12-Jun	23-Jun	24-Jun	2-Jul	3-Jul			
7	SST - WHOI	Clayson Peng		x	21-Feb	12-Dec	3-Apr	20-May	19-Feb	25-Nov	ATRAC	16-Dec		6-Jun		13-Dec																FY14		
8	Ocean Surface Properties	Clayson Peng		x	21-Feb	12-Dec	3-Apr	20-May	19-Feb	25-Nov	ATRAC	16-Dec		6-Jun		13-Dec																	FY14	
9	Ocean Surface Heat Fluxes	Clayson Peng		x	21-Feb	12-Dec	3-Apr	20-May	19-Feb	25-Nov	ATRAC	16-Dec		6-Jun		13-Dec																	FY14	
10	Stratospheric (Ozone)	Rosenlof Young		x	x	20-May		20-Mar		30-Oct 4-Apr	ATRAC	12-Jun		27-Mar		6-Jan 12-Jun																	FY14	
11	Cryosphere (APP FCDR)	Key Young		13-Jun	IP 20-Dec	3-Jun		20-Mar	12-Mar	12-Mar				25-Apr	20-Mar	25-Apr																	FY15	
12	Cryosphere (APP-x TCDR)	Key Young		13-Jun	IP 20-Dec	3-Jun		20-Mar	12-Mar	12-Mar				25-Apr	20-Mar	25-Apr																		FY15
13	AVHRR FCDR (5 CHs)	Minnis Young		x	22-Nov		14-Feb	31-Dec 28-Mar	7-Feb	14-Feb	20-Dec		21-Feb	13-Feb 2-Jun	14-Feb	18-Feb	19-Jun																	FY15
14	AVHRR Cloud Properties - IASA	Minnis Young		x	22-Nov		14-Feb	31-Dec 28-Mar	7-Feb	14-Feb	20-Dec		21-Feb	13-Feb 2-Jun	14-Feb	18-Feb	19-Jun																	FY15
15	Vegetation (LAI/FAPAR)	Vermote Matthews		x	17-Jan	24-Jun	2-Jul	26-Jul	7-May		6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov	1-Apr	1-Nov	19-Nov	5-Mar	24-Apr	12-Nov	14-May	6-Nov	15-May	6-May	7-May	15-May	16-May	21-May		FY15	
16	Cloud Top Pressure	Menzel Young		x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct		29-Oct	29-Oct	10-Jan																				FY15
17	Total Precipitable Water	Menzel Young		x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct		29-Oct	29-Oct	10-Jan																				FY15
18	Total Solar Irradiance	Pilewskie Inamdar		x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC	9-May																						FY15
19	Solar Spectral Irradiance	Lean Inamdar		x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC	9-May																						FY15
20	ISCCP	Rossow Knapp		x	17-Jan																													FY15

FY14

FY15

CDRP Open Change Requests

Name of CDR	C-ATBD	Data Flow Diagram	Maturity Matrix	VDD	Source Code	NetCDF sample	Dataset	Request to Archive	Approved for Archive	SA	DSRR
Geostationary IR Channel Brightness Temperature - GridSat B1	√ under review	Needed, TBD	Needed, TBD	N/A	√	√	√	√	√	√	Aug-13
Sea Surface Temperature - Pathfinder	Returned to PI with edits	No change	No change	√	√	√	No response from NODC	√	√	Needed, TBD	Needed, TBD
Mean Layer Temperature - UAH	31-Jul	31-Jul	N/A	Needed, TBD	10-Aug	10-Aug	Needed, TBD	Needed, TBD	Needed, TBD	Needed, TBD	Needed, TBD

GST FY14 Subcontracts

PI	CDRs	Start Date	End Date	WA Complete	Sent to Institution for Review	Sub-contract in place
Christy	Mean Layer Temperature - UAH	15-Sep-14	31-Mar-15	√	√	
Ho	- Mean Layer Temperature - UCAR (Lower Stratosphere) - Mean Layer Temperature - UCAR (Troposphere and Stratosphere) - Tropopause Height Climatology	17-Sep-14	31-Mar-15	√	√	
Robinson	Snow Cover Extent (Northern Hemisphere)	11-Sep-14	31-Mar-15	√	√	√
Sorooshian	Precipitation - PERSIANN-CDR	1-Aug-14	31-Mar-15	√	√	
Zhang	ISCCP Radiation Budget	1-Aug-14	31-Mar-15	√	√	
Wentz	SSM/I(S) Brightness Temperature - RSS	14-Sep-14	31-Mar-15	√	√	√
Mears	Mean Layer Temperature - RSS	14-Sep-14	31-Mar-15	√	√	√



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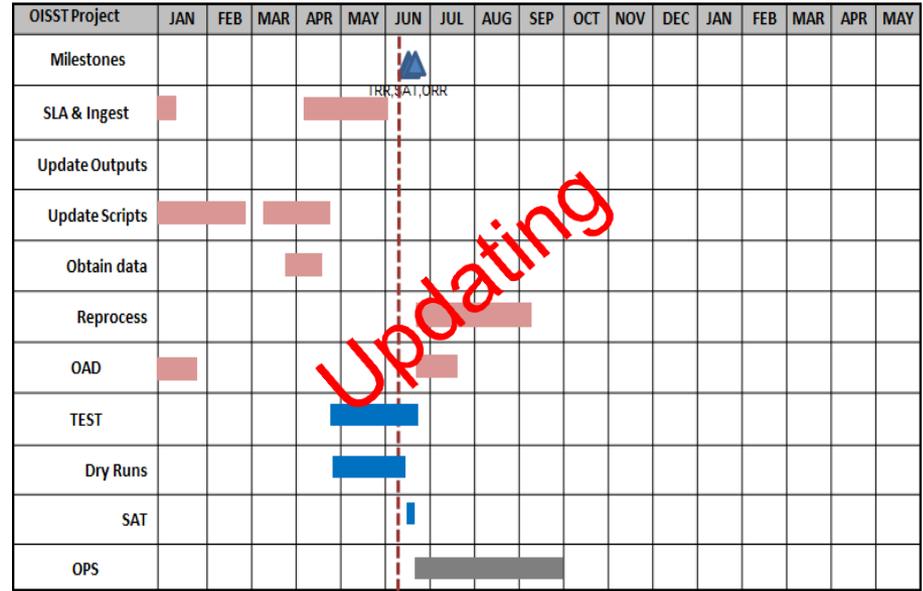
OISST Research to Operations Project

Weekly Report – July 10, 2014

1 OISST – Optimum Interpolated Sea Surface Temperature

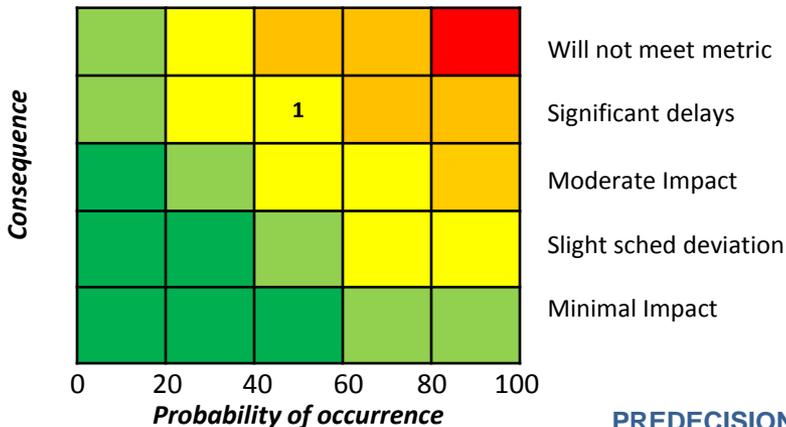
- Completed netCDF metadata updates for GDS 2.0.
- Performing dry runs for the System Acceptance Test.
- ITB is creating a new dev machine we can clone for test. (3 tier)
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:



R2O PHASE: ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

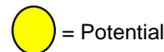
Risk Matrix



Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION





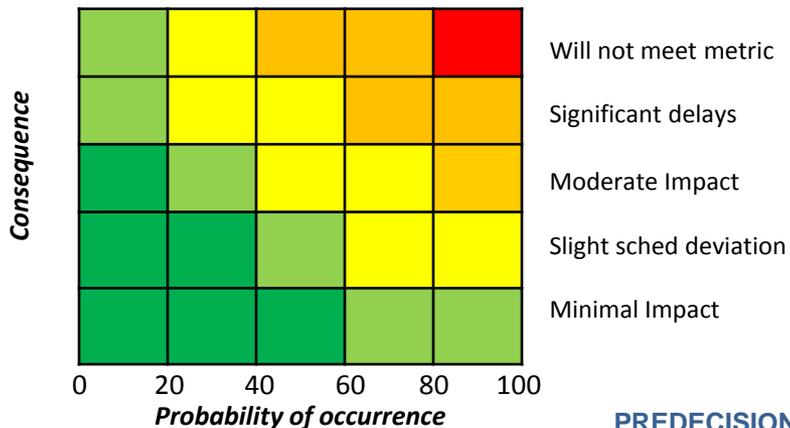
CDR Program Office Operations Monitoring Tool

Weekly Report July 10, 2014

1 Operations Monitoring Tool development

- Evaluating ROMS tool for integration with project.
- Defining scope of the project and defining draft requirements.
- Updating the monitoring project plan.
- Manual monitoring of operational processing and ingest.

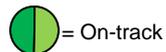
Risk Matrix



Risk and Mitigation

PREDECISIONAL DRAFT INFORMATION

7/14/2014



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



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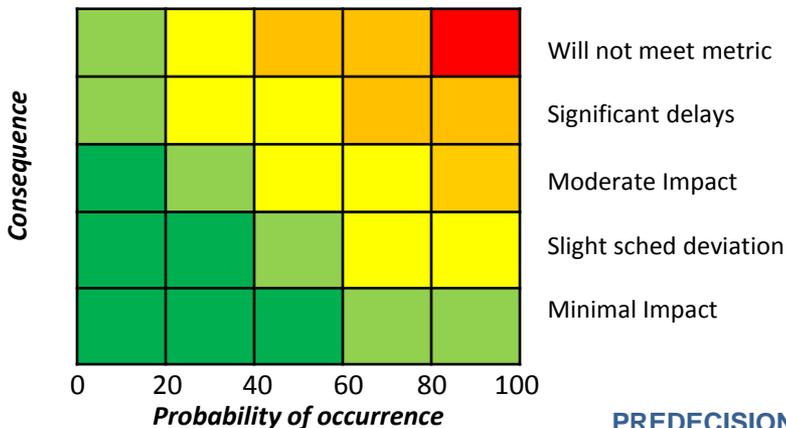
Reprocessing VIIRS SDRs

Weekly Report July 10, 2014

1 Operations Monitoring Tool development

- Discussed scope and goals of the project with CDRP scientist.
- Working on Project Charter and Plan.

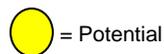
Risk Matrix



Risk and Mitigation

PREDECISIONAL DRAFT INFORMATION

7/14/2014



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