



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for April 22, 2011
John J Bates, Chief

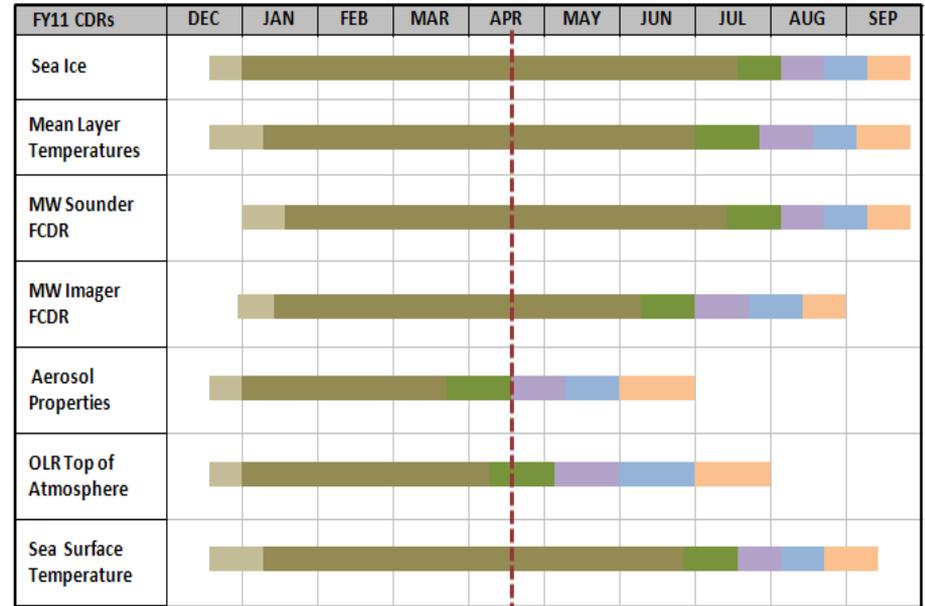


CDR Program Office

FY11 Climate Data Records

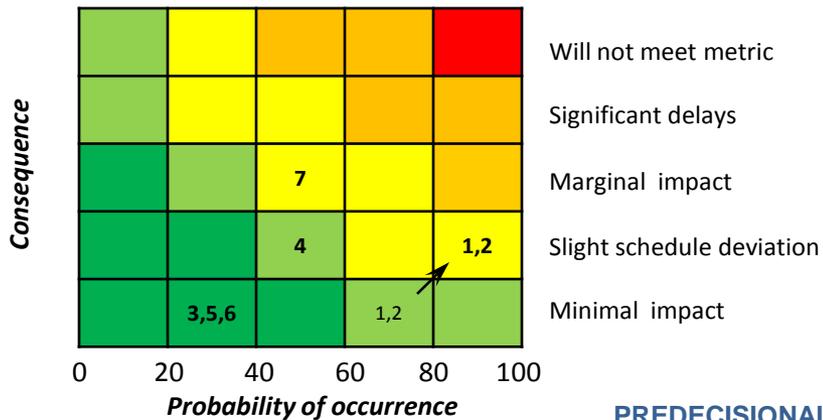
Weekly Report – Apr 22, 2011

- 1 **Sea Ice**
 - Need to do some recoding to use solely NSIDC data/algorithms
- 2 **Mean Layer Temperatures**
 - PI is not responsive when asked when he will work on project
- 3 **Microwave (MW) Sounder FCDR**
 - PI plans to send initial delivery (Ch 9) by mid May
- 4 **Microwave (MW) Imager FCDR**
 - POC doing all documentation – working on CATBD
- 5 **Aerosol Properties**
 - Subsetting CDR and converting to NetCDF
- 6 **Outgoing Longwave (LW) - Top of Atmosphere**
 - Received final code delivery – close to an FOC CDR
- 7 **Sea Surface Temperature**
 - Documentation delivery schedule TBD



R2O PHASE: ASSESSMENT SUBMISSION PREP TRANSFER VALIDATION ARCHIVE ACCESS

Risk Matrix



Risk and Mitigation

- Borg Servers**
 - Potential CDR delays if servers remain degraded –other options available
- Sea Ice**
 - Recoding needed on data/algorithms – consumes remaining schedule slack
- Mean Layer Temps**
 - PI is exceedingly busy – may need nudging from CDRP Office
- Sea Surface Temp**
 - Documentation delivery schedule TBD – CICS consultant hire in progress

PREDECISIONAL DRAFT INFORMATION

Sea Ice

CDR Product: TCDR - Sea ice concentration/extent/area estimates, 1979-2010 (20 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture

Project Status

- **Some recoding needed to ensure product is produced solely from NSIDC data and algorithms**
- slight schedule slip anticipated (consumes remaining slack)
- Sent Draft SA to the PI
- Sent CATBD Template to PI

Next Action / Milestone

- PI to send POC sample doc and code



Project Risks

- NSIDC will be serving the data to the public, PI concerned about long term support
- The codes that will be delivered are modular pieces of a much larger code and will require effort to separate and document

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	12/7/2010	1/7/2011												
2	Transfer Prep	40	1/7/2011	7/15/2011												
2a	Comment Source Code	50	4/15/2011	7/15/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	50	1/7/2011	7/15/2011												
2c	Convert data from binary to NetCDF	0	3/1/2011	7/15/2011												
3	Transfer Code, Docs, and Data	0	6/1/2011	7/30/2011												
4	Validate Code, Docs, and Data	0	6/15/2011	8/15/2011												
5	Archive Code, Docs, and Data	0	8/1/2011	8/31/2011												
6	Provide Access to Code, Docs, and Data	0	8/21/2011	9/15/2011												

Mean Layer Temperatures

CDR Product: TCDR - Monthly gridded anomalies for three layers (LT, MT, LS), 1978-2010 (60 GB)

GEOSS Societal Benefit: Energy, Climate, Ecosystems

Project Status

- **PI says he's very busy and won't give any direct answers to POC as to when he will get to the documentation (possibly June)**
 - POC sees his lack of commitment as a Red Flag
 - Schedule has been adjusted - need to monitor progress closely
 - May need CDRP office to make a phone call
- Started work on SA
- Sent CATBD template to PI
- Sample files available to Mike Urzen to start work on NetCDF conversion

Next Action / Milestone

- Work on source code and documentation



Project Risks

- Data is ASCII format – Mike Urzen will convert to NetCDF
- PI has limited resources available to work on code clean up, comments and documentation – **need to monitor progress**

ID	Task Name	Status	Start	Stop	FY11 Q2			FY11 Q3			FY11 Q4			
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	Initial Assessment	100	1/1/2011	1/15/2011	█									
2	Transfer Prep	20	1/15/2011	6/30/2011	█	█	█	█	█	█	█			
2a	Comment Source Code	50	1/15/2011	5/15/2011										
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	20	3/15/2011	6/15/2011										
2c	Convert from ASCII to NetCDF	10	4/30/2011	6/30/2011										
3	Transfer Code, Docs, and Data	0	6/21/2011	7/21/2011							█	█		
4	Validate Code, Docs, and Data	0	7/15/2011	8/15/2011								█	█	
5	Archive Code, Docs, and Data	0	8/7/2011	9/7/2011									█	█
6	Provide Access to Code, Docs, and Data	0	9/1/2011	9/30/2011										█

Microwave Sounder FCDR

CDR Product: FCDR - AMSU-A Brightness Temperature, CH 7 & 9; 2001 - 2010 (100 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems

Project Status

- **No Changes**
- PI will send initial CH9 delivery in mid May
- Started work on SA
- PI will convert data to NetCDF
- Received Submission Agreement questionnaire

Next Action / Milestone

- Expect all CH9 by end of May, and CH7 in July



Project Risks

- PI concerned about his source code being widely available
 - **PI would like to be the one to distribute it**
 - **Need CDRP managers to develop policy statement**

ID	Task Name	Status	Start	Stop	FY11 Q2			FY11 Q3			FY11 Q4			
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	Initial Assessment	100	1/1/2011	1/15/2011	█									
2	Transfer Prep	50	1/15/2011	7/30/2011	█	█	█	█	█	█	█	█		
2a	Comment Source Code	50	1/15/2011	4/15/2011										
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	50	3/15/2011	5/30/2011										
2c	Format Data for delivery	50	4/30/2011	7/30/2011										
3	Transfer Code, Docs, and Data	0	6/1/2011	6/30/2011						█	█	█		
4	Validate Code, Docs, and Data	0	7/1/2011	7/30/2011							█	█		
5	Archive Code, Docs, and Data	0	8/1/2011	8/30/2011								█	█	
6	Provide Access to Code, Docs, and Data	0	9/1/2011	9/30/2011										█

Microwave Imager FCDR

CDR Product: FCDR - Intercalibrated SSM/I Brightness Temperatures (v6), 1987 – 2010 (1720 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems

Project Status

- Received word version of coefficient document, much easier to proceed with CATBD development
- POC drafted submission agreement
- Completed source code comments and created source code header document with robodoc
- Completed NetCDF conversion, just need to tweak some metadata after receiving further guidance from archive branch

Next Action / Milestone

- Work on ATBD and remaining documentation



Project Risks

- PI will not assist making the data an operational CDR
- POC will be responsible for converting data to NetCDF, documentation, and commenting the code.

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	1/1/2011	1/15/2011				■								
2	Transfer Prep	20	1/1/2011	5/31/2011				■	■	■	■	■				
2a	Comment Source Code	100	1/1/2011	3/31/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	25	1/1/2011	5/31/2011												
2c	Format data from binary to NetCDF	90	2/1/2011	4/30/2011												
3	Transfer Code, Docs, and Data	25	5/21/2011	6/21/2011								■	■			
4	Validate Code, Docs, and Data	25	6/15/2011	7/15/2011									■	■		
5	Archive Code, Docs, and Data	20	7/8/2011	8/8/2011										■	■	
6	Provide Access to Code, Docs, and Data	0	8/1/2011	8/31/2011											■	■

Aerosol Properties

CDR Product: TCDR - Aerosol Optical Thickness (AOT), 1981 – 2010 (430 GB)

GEOSS Societal Benefit: Disasters, Health, Climate, Ecosystems

Project Status

- **No Changes**
- Ops branch has converted a test file to NetCDF – Ethan is working with Phil to finalize some naming conventions
- Finalizing submission agreement
 - Coordinating with archive branch on naming conventions

Next Action / Milestone

- Complete netCDF conversion



Project Risks

- Minimal

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	11/29/10	12/15/10												
2	Transfer Prep	60	1/1/2011	4/21/2011												
2a	Comment Source Code	100	1/1/2011	1/30/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	75	1/1/2011	4/21/2011												
2c	Subset CDR variables	100	2/1/2011	4/21/2011												
2d	Format data from HDF to NetCDF	80	2/15/2011	4/21/2011												
3	Transfer Code, Docs, and Data	50	3/21/2011	4/30/2011												
4	Validate Code, Docs, and Data	50	4/15/2011	5/15/2011												
5	Archive Code, Docs, and Data	0	5/8/2011	6/8/2011												
6	Provide Access to Code, Docs, and Data	0	6/1/2011	6/30/2011												

PREDECISIONAL DRAFT INFORMATION

Outgoing Longwave Radiation - Top of Atmosphere

CDR Product: FCDR - HIRS OLR Time Series, monthly mean, 2.5 deg, 1979 – 2010 (CDR : 20 MB, Orbit Files: 700 GB)

GEOSS Societal Benefit: Energy, Climate, Ecosystems

Project Status

- **Working on SA**
- PI confirmed the file we reproduced matched his original file
- This CDR is close to the FOC level
 - code has passed security review
 - it's running on NCDC blade server
 - all input data comes from CLASS
 - we have reproduced PI's test data set
 - Note: FOC documentation and maturity requirements are still TBD
 - Caution: Should not be a benchmark for gauging FOC conversion effort
- Received final source code - PI replaced IDL with Fortran

Next Action / Milestone

- Complete submission agreement process
- Verify documentation
- Verify NetCDF files



Project Risks

- Minimal risk involved

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	11/29/2010	12/15/2010												
2	Transfer Prep	85	12/15/2011	4/30/2011												
2a	Comment Source Code	100	12/15/2011	3/31/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	75	1/1/2011	4/30/2011												
2c	Format data for delivery	75	3/1/2011	4/30/2011												
3	Transfer Code, Docs, and Data	50	4/1/2011	5/7/2011												
4	Validate Code, Docs, and Data	50	5/1/2011	6/7/2011												
5	Archive Code, Docs, and Data	0	6/1/2011	7/7/2011												
6	Provide Access to Code, Docs, and Data	0	7/1/2011	7/31/2011												

PREDECISIONAL DRAFT INFORMATION

Sea Surface Temperature

CDR Product: TCDR - Pathfinder v5.2, Daily nighttime and daytime global SST fields, 1981-2010, (4000 GB)

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture

Project Status

- **Documentation hire with CICS, official start date will be 1 July**
 - Janice (CICS) called Kay (U of Miami) to discuss details
 - Documentation delivery schedule TBD
- Reprocessing complete for N14-N18
 - sent to NODC for NetCDF conversion

Next Actions / Milestone

- 2nd reprocessing: Get missing data from CLASS, incorporate lake temp climo field and new land/sea mask



Project Risks

- Processing from level 1b to HDF has been accomplished for all sats, some missing data gaps exist - ordered data to fill holes
- Documentation is via CICS consultant – formal hire in progress
- Final SST data set will be maintained at NODC

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	11/29/10	12/15/10												
2	Create HDF product (v5.2) 1981-2010 (UoM)	50	12/15/10	4/7/11				N18	N16	N7	N9	N11	N14			
3	Convert HDF to netCDF (NODC)	25	2/1/11	4/30/11												
4	Comment Source Code	5	2/15/11	6/30/11						NODC						
5	Create Documents	5	2/15/11	6/30/11						NODC						
6	Transfer Copy of Data, Code and Docs	5	5/1/11	7/15/11									Data			C&D
7	Validate Data, Code and Docs	5	6/1/11	7/31/11										Data		C&D
8	Archive Data, Code and Docs	0	7/1/11	8/15/11											Data	C&D
9	Provide Access to Data, Code and Docs	0	8/15/11	9/15/11												
	(Point to Data served at NODC)															

PREDECISIONAL DRAFT INFORMATION

BACKUP CDR -- ISCCP D1

CDR Product: TCDR - Mean Cloud Amount, 2.5 deg res, 3 hourly, 1983-2008, (1.4 GB)

GEOSS Societal Benefit: Energy, Climate, Water, Agriculture

Project Status

- No Change
- ISCCP is a backup CDR to ensure the NCDC performance metric is successfully met.
- Initial Assessment – Data and source code are very mature (could easily fill the gap if any of the FY11 CDRs fail to deliver)
- Product is already being archived

Next Action / Milestone

- No effort - unless it looks like one of the other CDRs may fail, then primary work will be on documentation



Project Risks

- Minimal

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	Complete	11/29/10	12/15/10												
2	Transfer Prep		12/15/2011	2/28/2011												
2a	Comment Source Code		12/15/2011	1/30/2011												
2b	Create Documents		1/1/2011	2/28/2011												
2c	Format data for delivery		3/1/2011	3/31/2011												
3	Transfer Code, Docs, and Data		4/1/2011	4/30/2011												
4	Validate Code, Docs, and Data		5/1/2011	5/31/2011												
5	Archive Code, Docs, and Data		6/1/2011	6/30/2011												
6	Provide Access to Code, Docs, and Data		7/1/2011	7/31/2011												

PREDECISIONAL DRAFT INFORMATION

FUTURE CDR -- Global Surface Albedo

CDR Product: TCDR – GOES coverage Surface Albedo, 10 day blocks, 4 km res, 2000-2003 (initially), (XX GB)

GEOSS Societal Benefit: Climate, Ecosystems, Agriculture

Project Status

- EUMETSAT contact has been pulled to other tasks until mid May
- Slips the plan to process GOES test set to the end of July
- Initial Assessment revealed it would not meet CDR IOC requirements by FY11, but the High Visibility of this project will ensure that work continues to progress as quickly as possible

Next Action / Milestone

- Stage GOES test data



Project Risks

- Requires extensive coordination with EUMETSAT for code, documentation and validation

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment		11/29/10	12/15/10												
2	Stage 4 yrs of GOES data		12/15/10	1/14/11												
3	Write GOES preprocessing sw		12/8/10	1/7/11												
4	Write Model Ozone/H2Ov ingest		1/7/11	2/6/11												
5	Generate GOES-12 LUT		1/1/11	1/31/11												
6	Format Data for archive (NetCDF4)		1/1/11	3/2/11												
7	Receive/test AREA ingestor		3/3/11	4/10/11												
8	Processing - 4 year POR		5/1/11	7/30/11												
9	Transfer Remaining Docs		6/22/11	7/7/11												
10	Validate Code, Docs, and Data		7/8/11	7/15/11												
11	Archive Code, Docs, and Data		7/16/11	8/7/11												
12	Provide Access to Code, Docs, and Data		8/8/11	8/18/11												

PREDECISIONAL DRAFT INFORMATION

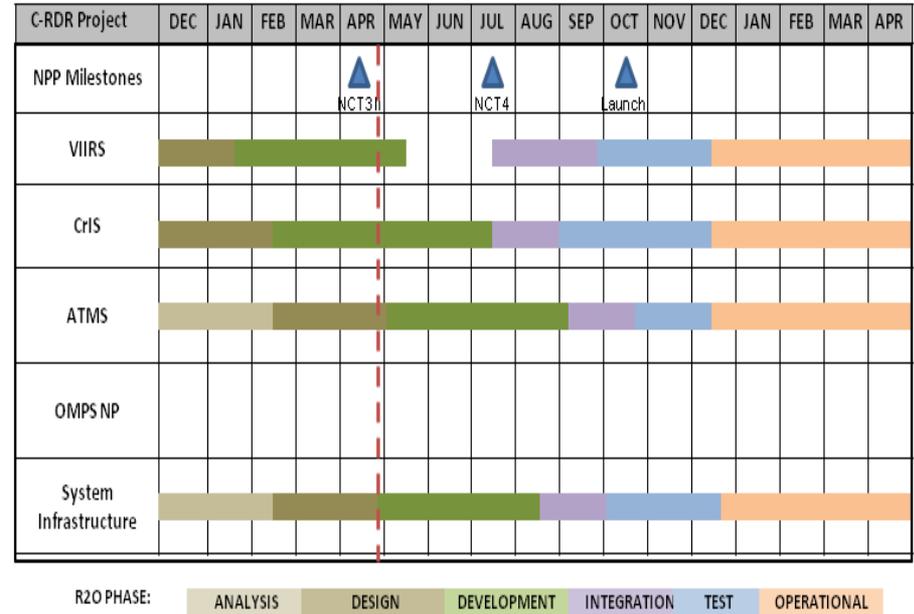


CDR Program Office

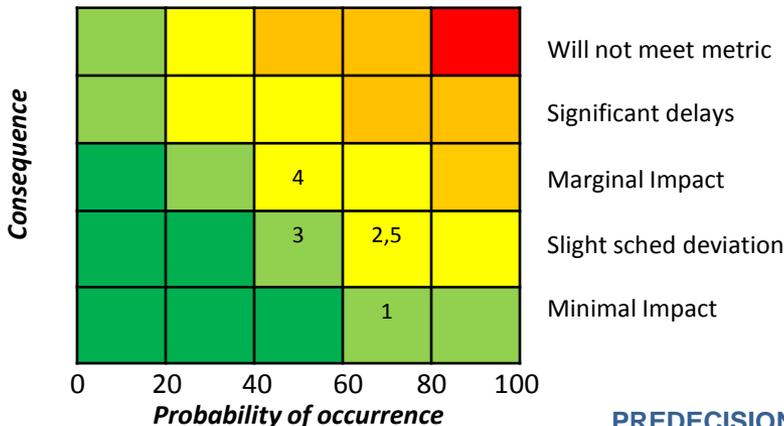
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – Apr 22, 2011

1. **VIIRS**
 - Developing code to generate the VIIRS C-RDR.
2. **CrIS**
 - Updated CrIS IDPS software not available to contractors (Cal/Val teams, NASA SDS, ADL are also affected)
 - Creating a MATLAB module to read the C-RDR
3. **ATMS**
 - Defining the C-RDR format, contents, and metadata
4. **OMPS NP**
 - **Postponed** to focus resources on system infrastructure
5. **System Infrastructure**
 - Developing an ingest test using the CLASS RDR aggregation
 - Setting up configuration and software for the Blade Server



Risk Matrix



Risk and Mitigation

- VIIRS, CrIS, ATMS, OMPS NP, System Infrastructure -**
- Short schedule to NPP launch on October 2011. Hiring additional software developers on hold. Need to re-adjust the schedule.
 - Operational software is under maintenance, updated versions may affect C-RDR ported version. Working with old (2007) version of CrIS code.
- System Infrastructure –**
- Availability of automated receipt of NPP RDRs from the CLASS system. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.
 - Capability of CLASS to ingest and archive C-RDRs.

PREDECISIONAL DRAFT INFORMATION

Visible Infrared Imaging Radiometer Suite (VIIRS)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Water, Ecosystems, Agriculture, Biodiversity, Energy

Project Status

- **Developed toolset to define and initialize netCDF4 files.**
- Developing software to create the VIIRS C-RDR , reusing ADL software.
- ADL modified to process aggregated RDRs
- Evaluating ADL for processing granule aggregations
- Converting the supporting data files to netCDF4
- Evaluating IDPS latest release changes in Algorithm Development Library (ADL) baseline
- Defining the C-RDR format, data, and metadata
- Merged latest Land PEATE and IDPS modifications into C-RDR baseline
- Ported operational algorithms from NASA Land PEATE

Next Action / Milestone

- Development complete for the VIIRS C-RDR



Project Risks

- NPP Launch Date: October 25, 2011
- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version

Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis	Completed	10/23/2009	5/4/2010																		
2	Design	Completed	5/6/2010	1/5/2011																		
3	Development	30.00%	1/6/2011	5/13/2011																		
3a	Develop VIIRS processing component	60.00%	1/6/2011	3/4/2011																		
3b	Test VIIRS processing component	0.00%	3/7/2011	5/13/2011																		
4	Integration		7/21/2011	8/26/2011																		
5	Test		9/1/2011	12/19/2011																		
5a	Dry Runs/some with launch data		9/1/2011	12/12/2011																		
5b	System Acceptance Test		12/12/2011	12/19/2011																		
6	Operational		12/20/2011																			

PREDECISIONAL DRAFT INFORMATION

Cross-track Infrared Sounder (CrIS)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Water, Energy

Project Status

- **Developing code to create data structures for C-RDR.**
- Creating a MATLAB reader for the C-RDR to provide easy access to C-RDR
- Evaluating processing of C-RDR with MATLAB and IDL
- Defining the netCDF4 structure for the C-RDR and developing software for writing the C-RDR
- CrIS IDPS software changes are not available to contractors. This affects C-RDR and ADL development and Cal/Val teams, NASA SDS.
- Ported operational algorithms (Space Dynamics Lab at Utah State)

Next Action / Milestone

- Complete definition of CrIS C-RDR



Project Risks

- CrIS science algorithms not available to contractors: SSEC (ADL developer) plans to sign NDA with BOMEM. **Cal/Val request for NDA was denied.** We will track this effort to see if successful. Our current version of CrIS code is from 2007.
- NPP Launch Date: October 25, 2011
- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version. Mitigated by using ADL.

Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis	Completed	8/16/2010	11/24/2010	█																	
2	Design	80.00%	11/26/2010	2/15/2011		█	█															
3	Development		2/16/2011	7/22/2011				█	█	█	█	█										
3a	Develop CrIS processing component	30.00%	2/16/2011	5/11/2011				█	█	█												
3b	Test CrIS processing component		5/12/2011	7/22/2011						█	█											
4	Integration		7/25/2011	8/19/2011									█	█								
5	Test		9/1/2011	12/19/2011											█	█	█	█				
5a	Dry Runs/some with launch data		9/1/2011	12/12/2011											█	█	█	█				
5b	System Acceptance Test		12/12/2011	12/19/2011																	█	
6	Operational		12/20/2011																		█	█

Advanced Technology Microwave Sounder (ATMS)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Water, Energy

Project Status

- **Completed first draft of C-RDR contents.**
- Defining the C-RDR format, contents, and metadata
- Identifying code and data structures required for C-RDR processing
- Verified processing of ATMS algorithms
- IDPS ATMS algorithm executing in ADL at NCDC
- Evaluating IDPS algorithms in ADL
- Working to get the ported IDPS software running at NCDC
- Obtained ported operational algorithms (Space Dynamics Lab at Utah State)

Next Action / Milestone

- Define the C-RDR data and metadata



Project Risks

- NPP Launch Date: October 25, 2011
- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version
- Developer shares time working NPP and CLASS issues.

Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis	Complete	10/29/2010	2/10/2011																		
2	Design	60.00%	2/11/2011	4/29/2011																		
3	Development		5/2/2011	9/7/2011																		
3a	Develop ATMS processing component		5/2/2011	6/27/2011																		
3b	Test ATMS processing component		6/28/2011	9/7/2011																		
4	Integration		9/8/2011	10/20/2011																		
5	Test		10/21/2011	12/19/2011																		
5a	Dry Runs/some with launch data		10/21/2011	12/12/2011																		
5b	System Acceptance Test		12/12/2011	12/19/2011																		
6	Operational		12/20/2011																			

PREDECISIONAL DRAFT INFORMATION

Ozone Mapping Profile Suite (OMPS) Nadir Profiler (NP)

C-RDR Product: Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

GEOSS Societal Benefit: Climate, Energy

Project Status

- Delayed OMPS NP development to focus resources on system infrastructure and other sensors

Postponed

Next Action / Milestone

- Obtain IDPS software when the OMPS modifications stabilize



Project Risks

- OMPS NP C-RDRs will not be available at launch. Mitigation: hire another developer for OMPS NP.
- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version

Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis		2/1/2011	4/12/2011																		
2	Design		4/13/2011	7/7/2011																		
3	Development		7/8/2011	11/15/2011																		
3a	Develop OMPS NP processing component		7/8/2011	9/1/2011																		
3b	Test OMPS NP processing component		9/2/2011	11/7/2011																		
4	Integration		11/8/2011	12/7/2011																		
5	Test		12/8/2011	12/19/2011																		
5a	Dry Runs/some with launch data		12/8/2011	12/12/2011																		
5b	System Acceptance Test		12/12/2011	12/19/2011																		
6	Operational		12/20/2011																			

PREDECISIONAL DRAFT INFORMATION

C-RDR System Infrastructure

C-RDR Product: Infrastructure to automate the production of the C-RDRs.

GEOSS Societal Benefit: None

Project Status

- Creating database tables and access procedures for the database to handle configuration files.
- Setting up configuration files and software for the ingest test.
- Developing an ingest test using the aggregated RDRs received from CLASS.
- Working with RSAD projects to define process to transfer data to and from CLASS
- Working on database infrastructure design.
- Analyzing existing ingest and dissemination capabilities.
- Completed the Archive Recommendation Package for C-RDRs.

Next Action / Milestone

- Complete design of system infrastructure.



Project Risks

- NPP Launch Date: October 25, 2011
- Need to hire additional software developer to meet schedule.
- Ability of CLASS to provide full stream of RDRs and ability to ingest stream of C-RDRs.
- Need to develop an automated re-request mechanism for CLASS.

Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis	Completed	9/29/2010	2/10/2011	█																	
2	Design	30.00%	2/11/2011	4/22/2011				█														
3	Development		3/7/2011	8/9/2011				█			█											
3a	Develop & Test sensor algorithms processing		4/25/2011	8/9/2011				█			█											
3b	Develop & Test ingest	20.00%	3/7/2011	4/8/2011				█														
3c	Develop & Test dissemination	5.00%	4/11/2011	5/27/2011				█														
4	Integration		7/21/2011	9/28/2011							█			█								
5	Test		9/1/2011	12/19/2011										█			█					
5a	Dry Runs/some with launch data		9/1/2011	12/12/2011										█			█					
5b	System Acceptance Test		12/12/2011	12/19/2011													█					
6	Operational		12/20/2011														█					

PREDECISIONAL DRAFT INFORMATION