

SUOMI NPP SDR Product Review



October 23-24, 2012

NOAA Center for Weather and Climate Prediction Auditorium

5830 University Research Court, College Park, MD 20740

Conference Calling Number: USA: 1-866-692-4541, passcode: 2386127

International (London): 0808-238-6018, passcode: 2386127

WebEx: <https://star-nesdis-noaa.webex.com>, passcode: NPPreview2012

Purpose and Goals:

The purpose of this meeting is to discuss readiness for proposing NPP operational (IDPS generated) SDR data product maturity status be declared provisional version by the AERB. Cal/Val team members will present progress on their specific tasks and users will offer their independent assessments of data product quality based on their intensive cal/val analyses. The expected outcome is a recommendation from the SDR review panel and SDR leads to the AERB that the current products are at provisional level or scheduled changes already approved by the AERB will result in a provisional quality SDR data product. If the data product is determined to not yet be at the provisional level, this meeting will identify the path forward to achieve this level.

Through interaction with the data product operational users, the SDR chair and team will collect feedback on recommended SDR product improvements. The discussion will provide an overview of the overall performance of CrIS, ATMS, VIIRS and OMPS instruments and algorithms as known at this time.

Outline:

- Overview the progress of NPP SDR cal/val tasks and characterization achieved to date
- Acquire user, including EDR team, feedback on product quality
- Provide planned improvements of SDR products
- Define the SDR maturity level, and identify necessary actions for achieving Provisional status, if necessary

Review Panel: Mitch Goldberg (Chair), Jim Gleason, Heather Kilcoyne, Laurie Rokke, Fuzhong Weng, Jim Yoe, Tom Schott, Jeff Privette, Gary Wick, Mike Johnson, Bruce Guenther

Review Materials from SDR Teams

1. Team lead overview presentations

- Criteria for provisional maturity status
- SDR specifications (e.g., NEDT, NEDN)
- On-orbit performance results (e.g., NEDT, NEDN, spectral stability)
- Data quality and data stream stability, including long-term performance trending metrics from ICVS
- Status of completion of all cal/val tasks from OPSCON
- Challenges and remaining issues
 - i. Updates of ATBD
 - ii. Critical DRs
 - iii. Impact of sensor specification waivers at the time sensor was delivered to spacecraft
 - iv. Caveats listed in the Beta ReadMe files
 - v. Updates/proposed caveats for the Provisional ReadMe file
- Path Forward

2. Team member individual presentations

- Highlights of tasks according to the OPSCON
- Innovative cal/val science and impacts
- Challenges and remaining issues
- Path forward (include how lessons learned from NPP are integrated into J1 planned activities)

Agenda

Day 1 – Tuesday, October 23

Session 1: Welcome and Opening Remarks (Chair: Mike Kalb)

8:30 – 8:45	Welcome	Al Powell, STAR Director Harry Cikanek, JPSS Director
8:45 – 8:55	Opening Remarks	Mike Haas, NESDIS HQ
8:55 – 9:00	Objectives of Review	Fuzhong Weng, SDR Science Lead

Session 2: SDR Products Overview from Users (Chair: Heather Kilcoyne)

9:00 – 9:20	ATMS/CrIS Data Assimilation:	Andrew Collard (NOAA)
9:20 – 9:40	ATMS/CrIS Data Assimilation:	Niels Bormann (ECMWF)
9:40 – 10:00	ATMS/CrIS Data Assimilation:	Bill Bell (UKMO)
10:00 – 10:20	VIIRS Products Applications	Ivan Csiszar (NOAA)
10:20 – 10:35	OMPS Products Applications	Craig Long (NOAA)

Break

Session 3: SDR Provisional Product Highlights (Chair: Laurie Rokky)

10:50 – 11:10	ATMS Provisional Product	Fuzhong Weng, SDR Science Lead
11:10 – 11:30	CrIS Provisional Product	Yong Han, SDR Team Lead
11:30 – 11:50	VIIRS Provisional Product	Changyong Cao, SDR Team Lead
11:50 – 12:10	OMPS Provisional Product	Fred Wu, SDR Team Lead

Lunch

To stay within the time window for the review, we have arranged with the NCWCP cafeteria (Kloud Café) to have a Morning/Afternoon Coffee & Tea Station and a Lunch Buffet. The cost is \$15 per person per day and we will need to collect this amount (**cash only**) the morning of the meetings. Please send an email to Danette.Warren@noaa.gov if you would like to participate in this food option.

Session 4: Cal/Val Team Technical Review

CRIS Technical Review

Chair: Y. Han

13:10 – 13:30	Excelis CrIS Calval	Joe Predina
13:30 – 13:50	UM CrIS Calval	Hank Rivercomb/Dave Tobin
13:50 – 14:10	SDL CrIS calval	Deron Scott
14:10 – 14:30	UMBC CrIS Calval	Larabee Strow
14:30 – 14:50	MITLL CrIS calval	Dan Mooney
14:50 – 15:10	STAR CrIS calval	Denis Trembley
15:10 – 15:30	NGAS CrIS calval	Degui Gu

Break

ATMS Technical Review

Chairs: E. Kim/N. Sun

15:45 – 16:05	MIT ATMS calval	Bill Blackwell/Vince Leslie
16:05 – 16:25	NGES ATMS calval	Kent Anderson
16:25 – 16:45	NASA ATMS calval	Ed Kim, NASA GSFC
16:45 – 17:05	NGAS ATMS calval	Degui Gu, NGAS
17:05 – 17:25	CRIMSS products	Chris Barnet

Adjourn

Day 2 – Wednesday, October 24

Session 4: Cal/Val Team Technical Review (Continued)

OMPS Technical Review

Chairs: G. Jaross/F. Wu

8:30 – 8:50	NASA OMPS SDR Evaluation	Glen Jaross
8:50 – 9:10	STAR OMPS SDR Evaluation	Chunhui Pan/Larry Flynn
9:10 – 9:30	NASA EV SDR from PEATE	Colin Seftor
9:30 – 9:45	STAR OMPS monitoring	Michael Grotenhuis

Break

VIIRS Technical Review Chairs: F. DeLuccion/C. Cao

10:00 – 10:20	STAR VIIRS Calval	Mark Liu
10:20 – 10:40	Aerospace VIIRS calval	Frank Deluccia
10:40 – 11:00	NASA VIIRS calval	Jack Xiong
11:00 – 11:20	NASA VIIRS Geo	Robert Wolfe
11:20 – 11:40	NGAS VIIRS calval	Lushalan Liao
11:40 – 12:00	UW VIIRS calval	Chris Meoller
12:00 – 12:20	MITLL VIIRS calval	Ed Bicknell

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Session 5: Long-Term Monitoring and IDPS (Chair: Lihang Zhou)

13:40 – 14:00	STAR ICVS/LTM	Ninghai Sun
14:00 – 14:30	RTN IDPS	Bill Johnsen

Break

Session 6: Panel Review and Discussion at Conference Center (Chair: Mitch Goldberg)

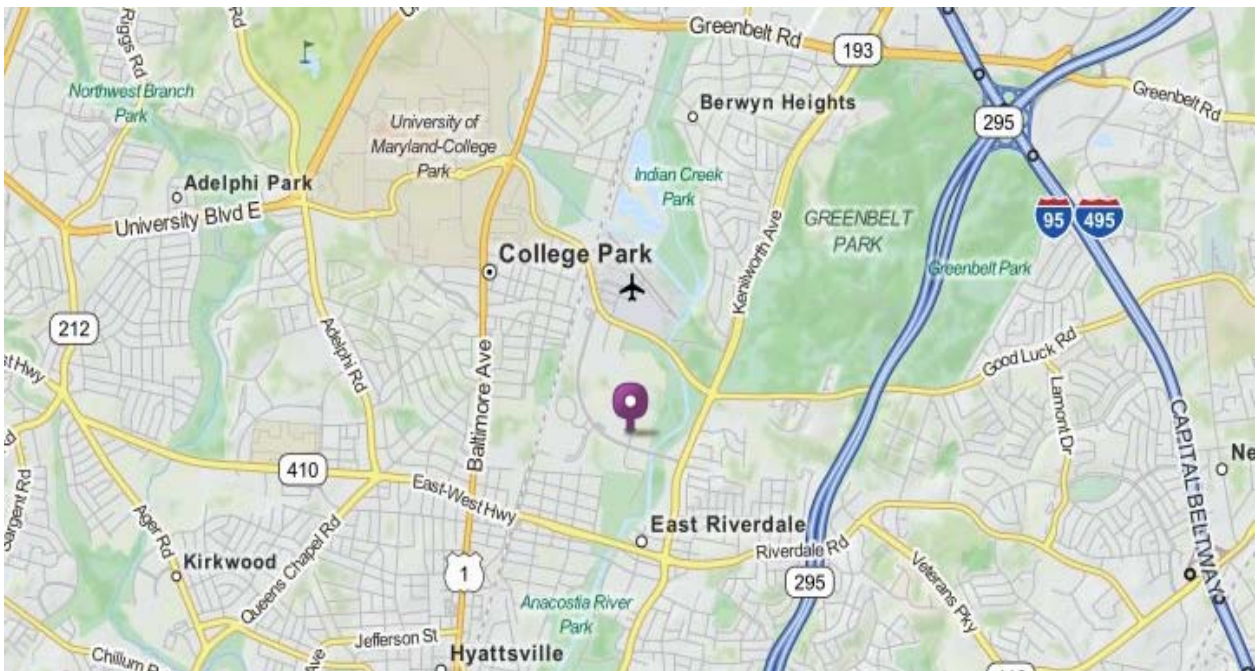
During panel discussions, the participants will be guided for touring the NCWCP and need to come back to the auditorium for summary and conclusions.

15:00 – 16:00	Panel Reviews	Panel Members Only
16:00 – 16:45	Recommendations	All

Adjourn

Logistics Information for the Meeting Location

NOAA Center for Weather and Climate Prediction (NCWCP) Auditorium
5830 University Research Court, College Park, MD 20740



Driving Directions

From Maryland: Take I-495 East to exit 23A (Kenilworth Ave/MD-210 S). Stay on 210 South until you make a right onto River Rd. Take the 1st right onto University Research Ct. The NCWCP will be the building on the left.



From Virginia: Merge onto I-495 OUTERLOOP/Capital Beltway/ toward Alexandria. Take the I-295 N/National Harbor exit, EXIT 2A-B, toward Washington. Keep right to take DC-295 N toward US-50 E (crossing into Maryland). Take the exit toward MD-410/Hyattsville/New Carrollton. Take left onto Riverdale Rd (Riverdale Rd becomes East-West Hwy/MD-410 W). Turn left onto River Rd. Take the 1st right onto University Research Ct. The NCWCP will be the building on the left.

From Washington DC: Take I-295 North to MD-410/Hyattsville/New Carrollton. Take left onto Riverdale Rd (Riverdale Rd becomes East-West Hwy/MD-410 W). Turn left onto River Rd. Take the 1st right onto University Research Ct. The NCWCP will be the building on the left.

The NCWCP is also accessible by taking the Green or Yellow Metrorail Line to the College Park/University of Maryland station. It is a 20-minute walk (to the east down River Road) from the station to the NCWCP.

Hotel Information

The following hotels are located close to the NCWCP.

	<p>Marriott Greenbelt</p> <p>6400 Ivy Ln, Greenbelt, Maryland 20770 Front Desk/Reservations: 1-800-676-5975 / 1-301-441-3700</p> <p>http://www.marriott.com/hotels/travel/wasgb-greenbelt-marriott/</p>
	<p>Hilton Garden Inn Washington DC/Greenbelt</p> <p>7810 Walker Dr, Greenbelt, Maryland 20770 Front Desk/Reservations: 1-301-474-7400</p> <p>http://hiltongardeninn3.hilton.com/en/hotels/maryland/hilton-garden-inn-washington-dc-greenbelt-DCAGBGI/index.html</p>