

# NOAA Workshop on JPSS Life-Cycle Data Reprocessing to Advance Weather and Climate Applications

ESSIC (Room 4102)

5825 University Research Court

College Park, Maryland

## Agenda

**Tuesday, May 17, 2016**

<b>Session 1: Welcome and Opening Remarks</b>			<b>8:30-9:50 am</b>
<i>Chairs: Fuzhong Weng and Lihang Zhou</i>			
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Fuzhong Weng Lihang Zhou	NESDIS/STAR	Introduction and Welcome	8:30
Fernando Miralles-Wilhelm	UMD/ESSIC	Welcome	8:40
Steve Volz	NESDIS AA	Opening Remarks	8:45
Mike Kalb	NESDIS/STAR	Opening Remarks	8:55
Mitch Goldberg	NOAA/JPSS	Opening Remarks	9:05
Heather Kilcoyne	NESDIS/OSGS	Opening Remarks	9:15
Lihang Zhou	NESDIS/STAR	Resource Requirements for Reprocessing	9:25
<b>Coffee Break</b>			<b>9:50</b>

<b>Session 2: Understanding SNPP Instrument in-Orbit Performance and Sensor Data Anomalies</b>			<b>10:20 am-12:00 pm</b>
<i>Chair: Ken Carey</i>			
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Ninghai Sun Miao Tian	NESDIS/STAR NESDIS/STAR	ICVS-identified ATMS and CrIS Anomaly Events	10:20
Jason Choi Ding Liang	NESDIS/STAR NESDIS/STAR	ICVS-identified VIIRS and OMPS Anomaly Events	10:35
Viha Nguyen Dejiang Han	NESDIS/OSPO NESDIS/OSPO	ICVS-Lite Status and Recommendations on ICVS-Lite Development	10:50
Wael Ibrahim	Raytheon	IDPS-identified Anomalies in RDR/SDR/EDRs	11:05
Tina Gentry	NASA	Anomaly Events Reported from NASA Flight	11:20
Cole Rossiter	NJO/AMP	Synoptic Reports on all Anomalies	11:40
<b>Lunch Break</b>			<b>12:00</b>

<b>Session 3: SNPP Data User Experiences and Recommendations for Further Improvements</b> <i>Chair: Mitch Goldberg</i>			<b>1:00-2:30 pm</b>
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Andrew Collard	NWS/NCEP	Evaluations of SNPP Data (e.g., bias, anomaly) and Impacts on Forecasts -- NCEP	1:00
Nigel Atkinson	UKMET	Evaluations of SNPP Data (e.g., bias, anomaly) and Impacts on Forecasts -- UKMET	1:15
Heather Lawrence	ECMWF	Evaluations of SNPP Data (e.g., bias, anomaly) and Impacts on Forecasts -- ECMWF	1:30
Steve Swadley	NRL	Evaluations of SNPP Data (e.g., bias, anomaly) and Impacts on Forecasts -- NRL	1:45
Kevin Garrett	JCSDA	JCSDA Data Denial Experiment Results – Impact of JPSS Data Gap on NWP Forecast Skill	2:00
<b>Coffee Break</b>			<b>2:30</b>

<b>Session 4: SNPP Data User Experiences and Recommendations for Further Improvements</b> <i>Chair: Changyong Cao</i>			<b>3:00-5:00 pm</b>
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Jack Xiong	NASA	Evaluation of SNPP VIIRS SDR Quality	3:00
Glen Jaross	NASA	Evaluation of SNPP OMPS SDR	3:20
Ivan Csiszar	NESDIS/STAR	Evaluation of SNPP VIIRS Land EDR	3:40
Paul Digiacommo Menghua Wang	NESDIS/STAR NESDIS/STAR	Evaluation of VIIRS Ocean EDR	4:00
Mark Liu Chris Barnet	NESDIS/STAR NOAA/JPSS	NUCAPS and MIRS Product Assessments	4:20
Larry Flynn Craig Long	NESDIS/STAR NWS/CPC	OMPS EDR Product Assessments	4:40
<b>Adjourn</b>			<b>5:00</b>

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<b>Session 5: Demonstrating the Improved and Advanced Calibration and Validation Algorithms for Reprocessing Applications</b> <i>Chair: Arron Layns</i>			<b>8:30-9:50 am</b>
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Yong Han	NESDIS/STAR	Latest Improvements of CrIS SDR Sciences and Algorithms for Reprocessing	8:30
Hu (Tiger) Yang	NESDIS/STAR	Latest improvements of ATMS TDR SDR Sciences and Algorithms for Reprocessing	8:45
Changyong Cao	NESDIS/STAR	Latest Improvements of VIIRS SDR Sciences and Algorithms for Reprocessing	9:00

Chunhui Pan	NESDIS/STAR	Latest Improvements of OMPS SDR Sciences and Algorithms for Reprocessing	9:15
Menghua Wang	NESDIS/STAR	NOAA MSL12 for VIIRS Ocean Product Reprocessing	9:30
<b>Coffee Break</b>			<b>9:50</b>

<b>Session 6: Understanding the Potential Impacts of the Reprocessed SNPP Data</b>			<b>10:20 am-12:00 pm</b>
<i>Chair: Fuzhong Weng</i>			
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Xiaolei Zou	ESSIC/UMD	Comparing Impacts between ATMS and AMSU-A/MHS on NWP	10:20
Likun Wang	NESDIS/STAR	Uses of CrIS SDR as GSICS Reference	10:35
Liam Gumley	CIMSS	CIMSS Reprocessed Products	10:50
Sasha Ignatov	CIMSS	VIIRS SST After Reprocessing	11:05
Shobha Kondragunta Istvan Laszlo	NESDIS/STAR NESDIS/STAR	VIIRS Aerosol Reprocessing	11:20
Andrew Heidinger	NESDIS/STAR	Reprocessed VIIRS Cloud Products	11:35
<b>Lunch Break</b>			<b>12:00</b>

<b>Session 7: Developing Baseline Approaches, Schedules and Plans for SDR and EDR Reprocessing: Issues, Challenges and Next Steps</b>			<b>1:00-3:30 pm</b>
<i>Chair: Lihang Zhou</i>			
<b>Presenter</b>	<b>Affiliation</b>	<b>Title</b>	<b>Start time</b>
Fuzhong Weng	NESDIS/STAR	SDR Reprocessing	1:00
Paul Digiacomio	NESDIS/STAR	Ocean Reprocessing	1:15
Ivan Csiszar	NESDIS/STAR	Land Reprocessing	1:30
Ralph Ferraro	NESDIS/STAR	Precipitation/Hydrology Reprocessing	1:45
Walter Wolf	NESDIS/STAR	Enterprise Algorithms for Reprocessing	2:00
Mike Tanner	NESDIS/NCEI	Enterprise Archive for Reprocessed Data	2:15
Lihang Zhou	NESDIS/STAR	Discussions and Q&A	2:30
Fuzhong Weng	NESDIS/STAR	Closing Remarks	3:25
<b>Adjourn</b>			<b>3:30</b>