

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

Session 1: Welcome and Opening Remarks			8:30-9:50 am
<i>Chairs: Fuzhong Weng and Lihang Zhou</i>			
Presenter	Affiliation	Title	Start time
Fuzhong Weng Lihang Zhou	NESDIS/STAR	Introduction and Welcome	8:30
Fernando Miralles- Wilhelm	UMD/ESSIC	Welcome	8:40
Mitch Goldberg	NOAA/JPSS	Opening Remarks	8:45
Mike Kalb	NESDIS/STAR	Opening Remarks	9:00
Heather Kilcoyne	NESDIS/OSGS	Opening Remarks	9:15
Lihang Zhou	NESDIS/STAR	Resource Requirements for Reprocessing	9:30
Coffee Break			9:50

Session 2: Understanding SNPP Instrument in-Orbit Performance and Sensor Data Anomalies			10:20 am-12:00 pm
<i>Chair: Ken Carey</i>			
Presenter	Affiliation	Title	Start time
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
Lunch Break			12:00

Session 3: SNPP Data User Experiences and Recommendations for Further Improvements		1:00-2:30 pm
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Chair: Mitch Goldberg			
Presenter	Affiliation	Title	Start time
Andrew Collard	NWS/NCEP	Evaluations of SNPP data (e.g., bias, anomaly) and Impacts of Forecasts -- NCEP	1:00
Nigel Atkinson	UKMET	Evaluations of SNPP data (e.g., bias, anomaly) and Impacts of Forecasts -- UKMET	1:15
Niels Bormann	ECMWF	Evaluations of SNPP data (e.g., bias, anomaly) and Impacts of Forecasts -- ECMWF	1:30
Steve Swadley	NRL	Evaluations of SNPP data (e.g., bias, anomaly) and Impacts of Forecasts -- NRL	1:45
Masahiro Kazumori	JMA	Evaluations of SNPP data (e.g., bias, anomaly) and Impacts of Forecasts -- JMA	2:00
Coffee Break			2:30

Session 4: SNPP Data User Experiences and Recommendations for Further Improvements			3:00-5:00 pm
Chair: Changyong Cao			
Presenter	Affiliation	Title	Start time
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 Digiacom Menghua Wang	NESDIS/STAR NESDIS/STAR	Evaluation of VIIRS Ocean EDR	4:00
Mark Liu Chris Barnett	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
Adjourn			5:00

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Session 5: Demonstrating the Improved and Advanced Calibration and Validation Algorithms for Reprocessing Applications			8:30-9:50 am
Chair: Arron Layns			
Presenter	Affiliation	Title	Start time
Yong Han	NESDIS/STAR	Latest Improvements of CrIS SDR Sciences and Algorithms for Reprocessing	8:30
Fuzhong Weng	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
Coffee Break			9:50

Session 6: Understanding the Potential Impacts of the Reprocessed SNPP Data			10:20 am- 12:00 pm
<i>Chair: Fuzhong Weng</i>			
Presenter	Affiliation	Title	Start time
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	NESDIS/STAR	VIIRS Aerosol Reprocessing	11:20
Istvan Laszlo	NESDIS/STAR		
Andrew Heidinger	NESDIS/STAR	Reprocessed VIIRS Cloud Products	11:35
Lunch Break			12:00

Session 7: Developing Baseline Approaches, Schedules and Plans for SDR and EDR Reprocessing: Issues, Challenges and Next Steps			1:00-3:30 pm
<i>Chair: Lihang Zhou</i>			
Presenter	Affiliation	Title	Start time
Fuzhong Weng	NESDIS/STAR	SDR Reprocessing	1:00
Paul Digiacomio	NESDIS/STAR	Ocean Reprocessing	1:15
Ivan Csiszar	NESDIS/STAR	Land Reprocessing	1:30
Satya Kalluri	NESDIS/STAR	Atmospheric 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
Adjourn			3:30