The Sixth Asia/Oceania Meteorological Satellite Users' Conference

Monday 9 November: Training on meteorological satellite data usage (1)
Conference Room 1 (Plaza Heisei 4F)

Time	Session	Speaker	Organization
8:30 – 9:00	**Registration**		
9:00	Opening Address	Yoshiteru Kitamura	JMA
9:05	Prospects and expectation towards the era when the next generation geostationary meteorological satellites' global array will be in operation	James Purdom	Chair of ICSC
9:25	Introduction to Himawari-8	Kotaro Bessho	JMA
10:25	**Coffee Break**		
10:40	Introduction to GOES-R and User Readiness	Jaime Daniels	NOAA
11:40	**Lunch**		
13:00	Introduction to RGB Composited Imagery	Joachim Saalmueller	EUMETSAT
13:40	Himawari-8 derived RGB products applied to the Australia-Pacific region	Bodo Ivar Zeschke	BoM
15:00	**Coffee Break**		
15:15	Application of RGB imagery to the Korean Peninsula	HyeSook Park	KMA
16:15	Introduction of JMA VLab Support Site on RGB Composite Imagery and tentative RGBs	Akihiro Shimizu	JMA
17:15	**End**		

Tuesday 10 November: Plenary session (1)
International Conference Hall (Plaza Heisei 3F)

8:30 – 9:00	**Registration**

9:00	**Opening remarks**

9:00	Chair, International Conference Steering Committee
9:05	JMA
9:10	BOM
9:15	CMA
9:20	KMA
9:25	ROSHYDROMET
9:30	GEO
9:35	WMO
9:40	Information from Local Organizing Committee
9:45	**Coffee break and group photo**

10:00	**Session 1: Current and future meteorological satellite programs**

10:00	Prospects and expectation towards the era when the next generation geostationary meteorological satellites' global array will be in operation	James F.W. Purdom	Chair of ICSC	S01-1
10:15	NOAA Satellite Programs	Mark Paese	NOAA/NESDIS	S01-2
10:30	Status of the EUMETSAT Satellite Programmes	Kenneth Holmlund	EUMETSAT	S01-3
10:45	Current Status of Satellite Activities in the Australian Bureau of Meteorology	Anthony Rea	BoM	S01-4
11:00	Updates on Chinese Meteorological Satellite Programs	Caiying Wei	CMA	S01-5
11:15	Overview of Japanese new generation geostationary meteorological satellite, Himawari-8	Hitomi Miyamoto	JMA/MSC	S01-6
11:30	Current Status and Future Plan of KMA Satellite Program	Sang Jin Lyu	KMA/NMSC	S01-7
11:45	Roshydromet space-based observation system: current status and development perspectives	Iurii S. Chetyrin	ROSHYDROMET	S01-8
12:00	The WMO Space Program, anticipated evolution and a picture of 2040	Wenjian Zhang	WMO	S01-9

12:15	**Lunch**

13:15	**Session 2: Himawari-8, related status and application**

13:15	Advanced Himawari Imager (AHI) Design and Operational Flexibility	Paul C. Griffith	Harris	S02-1
13:40	Preliminary validation of Himawari-8/AHI navigation and calibration	Arata Okuyama	JMA/MSC	S02-2
13:55	Status of development for assimilation of Himawari-8 Atmospheric Motion Vectors into the Numerical Weather Prediction Systems of Japan Meteorological Agency	Koji Yamashita	JMA/NPD	S02-3
14:10	Multispectral Application Development for Himawari-8 AHI	Steven D. Miller	CSU/CIRA	S02-4

14:25	**Session 3: JAXA's coordinated efforts for the earth's environmental monitoring**

14:25	Real-time Global Satellite Mapping of Precipitation (GSMaP) product	Riko Oki	JAXA	S03-1
14:40	Aerosol retrieval using Himawari-8 visible data	Makiko Hashimoto	JAXA	S03-2
14:55	Utilization of IR imagery including MTSAT and Himawari datasets for wildfire management.	Koji Nakau	JAXA	S03-3
15:10	Estimation of Solar radiation using HIMAWARI-8 with analysis of renewable energy	Hideaki Takenaka	JAXA	S03-4
15:25	Japan-Australia Collaboration on Non-Meteorological Applications from Geostationary Satellite Data	Agnes Lane	BoM	S03-5

15:40	**Coffee break**

15:55　Country Report (1) – Southeast Asia –

Southeast Asia, 10 countries (100 min)

– Kingdom of Cambodia	So Im Monichoth	Department of Meteorology	SC1-1
– Hong Kong	Wing-tak Wong	Hong Kong Observatory	SC1-2
– Republic of Indonesia	Ana Oktavia Setiowati	Meteorological, Climatological and Geophysical Agency (BMKG)	SC1-3
– Lao People's Democratic Republic	Sinthaly Chanthana	Department of Meteorology and Hydrology (DMH)	SC1-4
– Malaysia	Mahani Binti Abllah	Malaysian Meteorological Department (MetMalaysia)	SC1-5
– Republic of the Union of Myanmar	Chaw Su Hlaing	Department of Meteorology and Hydrology	SC1-6
– Republic of the Philippines	Vicente P. Palcon Jr.	Philippine Atmospheric, Geophysical and Astronomical Services Administration	SC1-7
– Republic of Singapore	Wong Songhan	Meteorological Service Singapore – National Environment Agency	SC1-8
– Kingdom of Thailand	Boonlert Archevarahuprok	Thai Meteorological Department	SC1-9
– Socialist Republic of Viet Nam	Nguyen Manh Linh	National Center for Hydro-Meteorological Forecasting	SC1-10

– **discussion**

17:50　**End**

18:30　**Dinner**

Wednesday 11 November: Plenary session (2)
International Conference Hall (Plaza Heisei 3F)

8:30	**Country Report (2) – Oceania –**			
	Oceania, 10 countries (100 min)			
	– The Democratic Republic of Timor-Leste	Terencio T. T. Fernandes Moniz	National Directorate of Meteorology and Geophysics (DNMG)	SC2-1
	– Republic of Fiji	Adarsh Kumar	Fiji Meteorological Service	SC2-2
	– Federated States of Micronesia	Sosten Sos	National Weather Service Office	SC2-3
	– New Zealand	Wim van Dijk	Meteorological Service of New Zealand	SC2-4
	– Republic of Palau	Dilwei M. Ngemaes	National Weather Service Office Koror	SC2-5
	– Independent State of Papua New Guinea	Anthony Kalai	Papua New Guinea National Weather Service	SC2-6
	– Solomon Islands	Linda Tonawane	Solomon Islands Meteorological Services	SC2-7
	– Kingdom of Tonga	Moleni Tu'uholoaki	Tonga Meteorological Services	SC2-8
	– Tuvalu	Richard Gorkrun	Tuvalu Meteorological Service	SC2-9
	– Republic of Vanuatu	Fred Robert Yakeniau	Vanuatu Meteorology and Geo-Hazards Department (VMGD)	SC2-10
	– discussion			
10:25	**Coffee break**			
10:45	**Session 4: Program plans, data access and utilization**			
10:45	Overview of NOAA's Joint Polar Satellite System (JPSS) Program	Mitchell David Goldberg	NOAA/NESDIS/JPSS	S04-1
11:00	The Contribution of Operational and Research Applications from the Joint Polar Satellite System to Societal Benefits	Mitchell David Goldberg	NOAA/NESDIS/JPSS	S04-2
11:15	Towards GOES-R Launch: An Update on GOES-R Algorithm and Proving Ground Activities	Jaime Michael Daniels	NOAA/NESDIS/STAR	S04-3
11:30	The Advancement of Community Based LEO and GEO Satellite Processing and Applications Packages	Allen Huang	SSEC/CIMSS, University of Wisconsin-Madison	S04-4
11:45	Introducing a web-based system for hyperspectral instrument status and data quality assessment to meteorological users	Xin Jin	NOAA/NESDIS/STAR and ERT. Inc.	S04-5
12:00	Interim Report of the COMS INR Performance Enhancement through the 1st four years of Normal Operation	Han-Dol Kim	KARI	S04-6
12:15	**Lunch**			
13:30	**Discussion for Poster Presentations**			
14:30	**Session 5: Atmospheric parameters derived from satellite observations**			
14:30	Retrieval of multilayer cloud physical and optical properties from infrared measurements	Hironobu Iwabuchi	Tohoku University	S05-1
14:45	Cloud Products From CSPP-CLAVR-x	Denis Botambekov	SSEC/CIMSS, University of Wisconsin-Madison	S05-2
15:00	Status of activities and plans for Geo-KOMPSAT-2A Meteorological Products	Sung-Rae Chung	KMA/NMSC	S05-3
15:15	Status of the GeoKompsat-2A AMI rainfall rate algorithm	Dong-Bin Shin	Yonsei University	S05-4
15:30	Application of Himawari-8 AHI to the GOES-R Rainfall Rate Algorithm	Yaping Li	NOAA/NESDIS	S05-5
15:45	**Coffee break**			
16:00	**Session 6: Application of satellite data to weather analysis and disaster monitoring**			
16:00	Extending the Operational Benefit of the NOAA Integrated Calibration and Validation System	Kenneth F. Carey	NOAA/NESDIS/STAR and ERT. Inc.	S06-1
16:15	Detection of convective overshooting tops using MSG SEVIRI, Himawari-8 AHI, and CloudSat CPR data	Miae Kim	Ulsan National Institute of Science and Technology	S06-2
16:30	Application and validation of an artificial neural network approach for the fast estimation of the Total Precipitable Water (TPW) from AHI data	Yeonjin Lee	Ewha Womans University	S06-4
16:45	Icing detection from geostationary satellite data over Korea and Japan using machine learning approaches	Seonghyun Ha	Ulsan National Institute of Science and Technology	S06-5
17:00	Use of Microwave Imagery and Scatterometer Data as an Aid to the Dvorak Analysis	Roger T. Edson	WFO Guam, NOAA/NWS	S06-6
17:15	A method to distinguish the hail and rainstorm cloud using Microwave Sounder data	Xiang FANG	CMA/NSMC	S06-7
17:30	A new era: three-dimensional observation and service with fully high resolutions on FY-4 platform are coming next year	Qiang Guo	CMA/NSMC	S06-8
17:45	**End**			

Thursday 12 November: Plenary session (3)

International Conference Hall (Plaza Heisei 3F)

8:30 Country Report (3) – South, Middle East and Central Asia –

South Asia, 5 countries (50 min)

– People's Republic of Bangladesh	Muhammad Arif Hossain	Bangladesh Meteorological Department (BMD)	SC3-1
– Kingdom of Bhutan	Phuntsho Namgyal	Department of Hydro-Met Services (DHMS)	SC3-2
– Republic of Maldives	Ali Shareef	Maldives Meteorological Service	SC3-4
– Islamic Republic of Pakistan	Humeira Hafeez	Pakistan Meteorological Department (PMD)	SC3-5
– Democratic Socialist Republic of Sri Lanka	Siri Ranjith Jayasekera	Department of Meteorology	SC3-6

Middle East and Central Asia, 4 countries (40 min)

– Kingdom of Bahrain	Khaled Sayed Husain Yaseen	Ministry of Transportation and Telecommunication, Civil Aviation, Meteorological Directorate	SC3-7
– Kyrgyz Republic	Asankhodhaev Ryskeldi	Agency on Hydrometeorology	SC3-8
– Sultanate of Oman	Mahmood Rashid Al-Khayari	Met Office, Public Authority for Civil Aviation (PACA)	SC3-9
– Republic of Uzbekistan	Klimentiy Valiev	Centre of Hydrometeorological Service (Uzhydromet)	SC3-10

– discussion

10:15 Coffee break

11:00 Session 7: Application of satellite data to numerical weather prediction

11:00	Assimilation of AHI Infrared Radiance Measurements for Improved Tropical Cyclone Forecasts Using HWRF	Xiaolei Zou	Earth System Science Interdisciplinary Center	S07-1
11:15	Assimilation experiments of Himawari rapid-scan atmospheric motion vectors	Michiko Otsuka	JMA/MRI	S07-2
11:30	The use of satellite data in the Met Office for Numerical Weather Prediction and other forecasting applications	Crispian Peter Batstone	UK Met Office	S07-3
11:45	Next Generation LEO Hyperspectral Sensor IFOV Size Impact on the High-Resolution NWP Model Forecast Performance – An OSSE Study	Agnes Lim	SSEC/CIMSS, University of Wisconsin-Madison	S07-4

12:00 Lunch

13:15 Session 8: Application of satellite data to climate and environmental monitoring

13:15	Building the High-Quality Sensor Data Records from NOAA Operational Satellites for Climate and Weather Applications	Fuzhong Weng	NOAA/NESDIS/STAR	S08-1
13:30	Occurrence of extreme rainfall events associated with the Madden-Julian Oscillation	Rahmat Hidayat	Bogor Agricultural University	S08-3
13:45	GOCI Yonsei aerosol retrievals during 2012 DRAGON-NE Asia and 2015 MAPS-Seoul campaigns	Myungje Choi	Yonsei University	S08-4

14:00 Session 9: Land surface and ocean parameters derived from satellite observations

14:00	Comparison between TRMM-TMI microwave land surface emissivity maps derived from JRA-25 and ERA-Interim	Fumie Akimoto Furuzawa	Nagoya University	S09-1
14:15	Operational Utilization of Ocean Surface Vector Winds from RapidScat Scatterometer	Paul S. Chang	NOAA/NESDIS/STAR	S09-2
14:30	NOAA GCOM-W1/AMSR2 Oceanic Environmental Products: Operational Utilization and User Impacts	Zorana Jelenak	NOAA/NESDIS/STAR-UCAR	S09-3
14:45	A comparative study on the creation of multi-satellite SST ensemble using OI and BMA.	Kwangjin Kim	Pukyong National University	S09-5

15:00 Coffee break

15:30 Session 10: Capacity development and training activities

15:30	A Review of the Australian VLab Centre of Excellence National Himawari-8 Training Campaign	Bodo Ivar Zeschke	BoM	S10-1
15:45	The Himawari training program for NWS Pacific Region meteorologists	Jordan J. Gerth	SSEC/CIMSS, University of Wisconsin-Madison	S10-2
16:00	Asia-Oceania Online Users Forum: Himawari-8 Real-time Web Application	Ken T. Murata	NICT	S10-3

16:15 Panel Discussion
17:00 Summary and Closure

Friday 13 November: Training on meteorological satellite data usage (2)
JMA HQs

9:00	Using the HYDRA2 analysis tools to study data from SNPP and other current satellite platforms	Paul Menzel	SSEC, University of Wisconsin-Madison
9:45	Application of Satellite Remote Sensing in Severe Convective Weather and Heavy Rainfall	Xiang Fang	CMA
10:45	**Coffee Break**		
11:00	Effective use of high temporal and spatial resolution Himawari-8 data	Bodo Ivar Zeschke	BoM
12:00	**Lunch**		
13:00	Introduction to the Practical Training on the utilization of Himawari-8 Imagery	Kouki Mouri	JMA
13:30	Practical Training on the utilization of Himawari-8 Imagery (Part 1-1)	Katsushige Kitazawa	JMA
15:00	**Coffee Break**		
15:15	Practical Training on the utilization of Himawari-8 Imagery (Part 1-2)	Katsushige Kitazawa	JMA
16:15	Practical Training on the utilization of Himawari-8 Imagery (Part 2)	Akihiro Shimizu	JMA
17:15	**End**		

Saturday 14 November: The 3rd meeting of the Coordinating Group of the RA II WIGOS Project
JMA HQs

9:00	1. OPENING
	1.1 Welcome address
	1.2 Opening address
	1.3 Adoption of the agenda
	2. STATUS OF PROJECT
	2.1 Accomplishments, current status and work plan of the Project
	2.2 Information on relevant activities
	2.3 WMO Space Programme update
	2.4 Review of AOMSUC-6 results
10:30	**Coffee Break**
10:45	3. USER AND PROVIDER PERSPECTIVES
	3.1 User requirements for satellite data utilization
	3.2 Requirements for SCOPE-Nowcasting and Severe Weather Forecasting (SWFDP)
	3.3 Relevant training activities in cooperation with RA II and RA V
12:00	**Lunch Break**
13:00	4. SYNTHESIS AND FUTURE PROJECT WORK PLAN
	4.1. Synthesis of user requirements
	4.2. Collaboration with "Joint RA-II/RA-V WIGOS Satellite data project"
	4.3. Work plan 2015-2016
14:30	**Coffee Break**
14:45	5. SUMMARY OF THE MEETING
	6. CLOSING
15:30	**End**

Poster presentations

JPSS data products calibration/validation updates	Xingpin Liu	NOAA/NESDIS/STAR	P01
Post-GPM rain retrieval and 3-D wind retrieval: the DYCECT mission	Nicolas Viltard	LATMOS-IPSL, CNRS-UVSQ-UPMC	P02
Status of the GeoKompsat-2A AMI rainfall potential algorithm	Sukbum Hong	Yonsei University	P03
The Cyclone Global Navigation Satellite System (CYGNSS) - Mission Overview and Wind Product Assessment	Zorana Jelenak	NOAA/NESDIS/STAR-UCAR	P04
GOES-R Proving Ground Activities at CIRA	Renate Brummer	CSU/CIRA	P05
Using Himawari-8 to Prepare Algorithms for GOES-R	Ruiyue Chen	NOAA/NESDIS/STAR	P06
Diurnal and seasonal variations of inter-calibration for COMS Infrared channels	Minju Gu	KMA/NMSC	P07
Visible channel calibration of JMA's geostationary satellites using the Moon images	Masaya Takahashi	JMA/MSC	P08
An Introduction to Himawari-8 Cloud Products	Ryo Yoshida	JMA/MSC	P09
Atmospheric Motion Vectors derived from Himawari-8	Kazuki Shimoji	JMA/MSC	P11
Research to Operations: The STAR Enterprise Winds Algorithm on Himawari-8 for Algorithm Continuity in Operations	Shanna Sampson	NOAA/NESDIS/STAR	P12
Use of upper-tropospheric Atmospheric Motion Vectors (AMV) for diagnosing tropical cyclone intensity	Ryo Oyama	JMA/MRI	P13
Current and Future Korean Geostationary Satellite AMV Quality Control Method	Hyungmin Park	Pusan National University	P14
Analysis of atmospheric motion vector tracking process	Yurim Oh	Pusan National University	P15
Study of sulfur dioxide detection over East-Asian.	Hyun Jin Lee	Pusan National University	P16
Frequency change of Asian dust events depending on surface conditions	Jae-Hyun Ryu	KMA/NMSC	P17
Aerosol monitoring over South Korea using COMS MI measurement for MAPS 2015 and DRAGON-Asia 2012	Mijin Kim	Yonsei University	P18
AERUS-GEO: A new aerosol product based on MSG geostationary satellite observations	Dominique Carrer	Météo France	P19
Aerosol Optical Depth Retrieval over the snow from GOCI in winter season.	Hyunkwang Lim	Yonsei University	P20
GOSAT thermal infrared data for meteorological use towards GOSAT-2	Kei Shiomi	JAXA	P21
Creating a high spatial resolution CO2 sensitive 13.3 μm channel for AVHRR and VIIRS	Wolfgang Paul Menzel	SSEC, University of Wisconsin	P22
Correction of cloud effect in total column ozone measurement from PANDORA by using Kalman Filter	Kanghyun Baek	Pusan National University	P23

A New Technique for Nighttime Sea Fog Detection from Satellite of Applying Unsupervised Learning.	Daegeun Shin	Pusan National University	P24
Development of fog detection technique using COMS and GIS information in the Korean Peninsula	Seung-Ju Lee	Kongju National University	P25
The applications of FENGYUN satellite data in Marine Meteorology	Xiang Fang	CMA/NSMC	P26
VALIDATING CI2 AND DU2 MONSOON INDICES FOR THE PHILIPPINES USING RAINFALL AND WIND DATA	Loren Joy Estrebillo	University of the Philippines	P27
Study of Tropopause Folding Turbulence Detection(TFTD) Algorithm for the future Korean geostationary satellite	Mijeong Kim	Pusan National University	P28
Inferring cumulus updraft strength using geostationary satellite rapid-scan measurements	Atsushi Hamada	The University of Tokyo	P29
Machine learning approaches to detect convective initiation using geostationary satellites and weather radar	Eunna Jang	Ulsan National Institute of Science and Technology	P30
A Quick Evaluation of GPM/DPR Reflectivity over Korea	Ki-Hong Park	KMA/NMSC	P31
Rain retrieval using the SAPHIR water vapor sounder on Megha-Tropiques	Audrey Martini	LATMOS-IPSL, UVSQ-UPMC	P32
Effect of AMSU-A observation and adjusted AMSU-A observation error covariance on numerical weather predictions	Sung-Min Kim	Yonsei University	P33
Optimal Assimilation of Hyperspectral IR and MW Soundings for Regional Numerical Weather Prediction	Chian-Yi Liu	NCU/CSRSR, Taiwan	P34
Preliminary assessment of socio-economic benefits from CMA Meteorological Satellite Programmes	Jiashen Zhang	CMA/NSMC	P37
Using satellite data for hydrometeorology and environmental monitoring in the Far Eastern Region of Russia	Iurii S. Chetyrin	FEC SRC ≪Planeta≫	P38
Fire monitoring from Himawari-8	Adam Lewis	Geoscience Australia	P39