

Twelfth International Winds Workshop

Report of Contributions

Contribution ID: 2

Type: **not specified**

SCATTEROMETER WINDS FOR MESOSCALE DYNAMICS

Wednesday, 18 June 2014 09:00 (20 minutes)

Primary authors: STOFFELEN, Ad (KNMI); VERHOEF, Anton (KNMI); VERSPEEK, Jeroen (KNMI); DE KLOE, Jos (KNMI); VOGELZANG, Jur (KNMI); PORTABELLA, Marcos (CSIC); BUNN, Patrick (KNMI); LIN, Wenming (CSIC)

Presenter: STOFFELEN, Ad (KNMI)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 3

Type: **not specified**

**PERFORMANCE OF THE NOAA AWG CLOUD
HEIGHT ALGORITHM APPLIED TO CURRENT
GEOSTATIONARY AND POLAR ORBITING
IMAGERS.**

Primary author: HEIDINGER, Andrew K (NOAA/NESDIS)

Presenter: HEIDINGER, Andrew K (NOAA/NESDIS)

Contribution ID: 4

Type: **not specified**

KALPANA-1 DERIVED WATER VAPOR WINDS FROM USING NCEP FIRST GUESS FORECAST FIELDS AND ITS IMPACT ON WRF MODEL

Primary authors: SHARMA, A. K. (Satellite Meteorology Division, India Meteorological Department, New Delhi); MITRA, Ashim K. (India Meteorological Department, New Delhi); KUNDU, P. K. (Department of Mathematics, Jadavpur University, Kolkata-700032, India)

Presenter: MITRA, Ashim K. (India Meteorological Department, New Delhi)

Contribution ID: 5

Type: **not specified**

CLOUD TOP, CLOUD CENTRE, CLOUD LAYER – WHERE TO PLACE AMVS?

Thursday, 19 June 2014 10:00 (20 minutes)

Primary authors: HERNANDEZ-CARRASCAL, Angeles (AEMET); BORMANN, Niels (ECMWF)

Presenter: HERNANDEZ-CARRASCAL, Angeles (AEMET)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: 6

Type: **not specified**

MISR STEREO OBSERVATIONS OF KÁRMÁN VORTEX STREETS

Wednesday, 18 June 2014 11:30 (20 minutes)

Primary authors: MUELLER, Kevin (Jet Propulsion Laboratory, California Institute of Technology); HORVÁTH, Ákos (Leibniz Institute for Tropospheric Research)

Presenter: HORVÁTH, Ákos (Leibniz Institute for Tropospheric Research)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 7

Type: **not specified**

VALIDATION OF SINGLE-MODE AND DUAL-MODE METOP AMVS

Primary authors: BORDE, Regis (EUMETSAT, Darmstadt, Germany); HORVÁTH, Ákos (Leibniz Institute for Tropospheric Research, Leipzig, Germany)

Presenter: HORVÁTH, Ákos (Leibniz Institute for Tropospheric Research, Leipzig, Germany)

Contribution ID: 8

Type: **not specified**

IMPROVING THE USE OF SATELLITE WINDS AT THE GERMAN WEATHER SERVICE

Tuesday, 17 June 2014 10:00 (20 minutes)

Primary author: CRESS, Alexander (Deutscher Wetterdienst)

Presenter: CRESS, Alexander (Deutscher Wetterdienst)

Session Classification: SESSION 4: Use of satellite-derived winds in NWP

Contribution ID: 9

Type: **not specified**

EUROPEAN SPACE AGENCY (ESA-ESTEC)

Primary authors: ELFVING, A. (European Space Agency (ESA-ESTEC)); STRAUME-LINDNER, A.G. (European Space Agency (ESA-ESTEC)); INGMANN, P. (European Space Agency (ESA-ESTEC))

Presenter: STRAUME-LINDNER, A.G. (European Space Agency (ESA-ESTEC))

Contribution ID: **10**

Type: **not specified**

STATUS OF AMV USAGE IN NWP AT DMI

Primary authors: AMSTRUP, Bjarne (Danish Meteorological Institute); DAHLBOM, Mats (Danish Meteorological Institute)

Presenter: AMSTRUP, Bjarne (Danish Meteorological Institute)

Contribution ID: 11

Type: **not specified**

SATELLITE WINDS ACTIVITIES AT METEO FRANCE

Tuesday, 17 June 2014 17:00 (20 minutes)

Primary author: PAYAN, Christophe (CNRM and GAME, Météo France and CNRS)

Presenter: PAYAN, Christophe (CNRM and GAME, Météo France and CNRS)

Session Classification: SESSION 6: Boundary layer

Contribution ID: 12

Type: **not specified**

OBSERVATION IMPACT OF SATELLITE WINDS IN NASA GEOS-5 FORECAST SYSTEM

Primary authors: MERKOVA, Dagmar (GMAO NASA, SSAI); GELARO, Ron (GMAO NASA)

Presenter: MERKOVA, Dagmar (GMAO NASA, SSAI)

Contribution ID: 13

Type: **not specified**

SATELLITE OBSERVATIONS OF TROPICAL PLANETARY BOUNDARY WIND SHEAR

Tuesday, 17 June 2014 16:00 (20 minutes)

Primary authors: HALPERN, David (Jet Propulsion Laboratory, Pasadena, California); GARAY, Michael (Jet Propulsion Laboratory, Pasadena, California)

Presenter: HALPERN, David (Jet Propulsion Laboratory, Pasadena, California)

Session Classification: SESSION 6: Boundary layer

Contribution ID: 14

Type: **not specified**

A NEW ATMOSPHERIC MOTION VECTOR INTERCOMPARISON STUDY

Tuesday, 17 June 2014 09:00 (20 minutes)

Primary authors: VELDEN, Chris (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison); STETTNER, Dave (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison); SANTEK, David (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison); GENKOVA, Iliana (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison); GARCIA-PEREDA, Javier (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison); NEBUDA, Sharon (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison); WANZONG, Steve (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison)

Presenter: SANTEK, David (Cooperative Institute for Meteorological Satellite Studies University of Wisconsin-Madison)

Session Classification: SESSION 3: AMV intercomparison project

Contribution ID: 15

Type: **not specified**

GLOBALLY DISTRIBUTED TIME SERIES OF THE ENHANCED MISR CLOUD MOTION VECTOR PRODUCT

Tuesday, 17 June 2014 14:10 (20 minutes)

Primary authors: MUELLER, K. (Jet Propulsion Laboratory); DAVIES, R. (University of Auckland)

Presenter: DAVIES, R. (University of Auckland)

Session Classification: SESSION 5: MISR, AATSR and Sentinel winds

Contribution ID: 16

Type: **not specified**

COMPARISONS OF MISR CLOUD MOTION VECTORS WITH REANALYSIS WINDS

Friday, 20 June 2014 10:00 (20 minutes)

Primary author: WU, Dong L. (NASA Goddard Space Flight Center)

Presenter: WU, Dong L. (NASA Goddard Space Flight Center)

Session Classification: SESSION 10: Reprocessing activities

Contribution ID: 17

Type: **not specified**

CURRENT STATUS OF COMS AMV IN NMSC/KMA

Monday, 16 June 2014 12:05 (20 minutes)

Primary authors: SOHN, Eunha (KMA (Korea Meteorological Administration)); JEONG, Hyunkyo (KMA (Korea Meteorological Administration))

Presenter: SOHN, Eunha (KMA (Korea Meteorological Administration))

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 18

Type: **not specified**

STUDY OF THE TARGET SELECTION METHODS FOR AMV DERIVATION OF GEO-KOMPSAT 2A

Primary authors: LEE, Eunhee (NMSC/KMA); WON, Jae-Gwang (NMSC/KMA); JUNG, Sung-Rae (NMSC/KMA); KIM, Tae-Myung (NMSC/KMA)

Presenter: LEE, Eunhee (NMSC/KMA)

Contribution ID: 19

Type: **not specified**

VISIBLE CHANNEL CMV FROM FENGYUN GEO. STEREO VIEW—SIMULATION AND BIAS ANALYSIS

Thursday, 19 June 2014 09:20 (20 minutes)

Primary authors: LU, Feng (National satellite meteorological Center, Beijing); XU, Jianmin (National satellite meteorological Center, Beijing)

Presenter: LU, Feng (National satellite meteorological Center, Beijing)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: 20

Type: **not specified**

OPERATIONALLY USE OF NWCSAF AMV PACKAGE IN THE METOFFICE MESOSCALE FORECASTING SYSTEM

Wednesday, 18 June 2014 10:20 (20 minutes)

Primary authors: GRAEME, Kelly (Met Office, UK); LEAN, Peter (University of Reading); MIGLIORINI, Stefano (University of Reading)

Presenter: KELLY, Graeme (Met Office, UK)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 21

Type: **not specified**

INVESTIGATING AMV AND NWP MODEL ERRORS USING THE NWP SAF MONITORING

Primary author: COTTON, James (Met Office, UK)

Presenter: COTTON, James (Met Office, UK)

Contribution ID: 22

Type: **not specified**

AMV IMPACT STUDIES AT THE MET OFFICE

Tuesday, 17 June 2014 10:20 (20 minutes)

Primary authors: WARRICK, Francis (Met Office, UK); COTTON, James (Met Office, UK); FORSYTHE, Mary (Met Office, UK); MARRIOTT, Richard (Met Office, UK)

Presenter: COTTON, James (Met Office, UK)

Session Classification: SESSION 4: Use of satellite-derived winds in NWP

Contribution ID: 23

Type: **not specified**

GEOMETRIC CLOUD MOTION WINDS IN A CONVOY OF SATELLITES

Primary authors: STOFFELEN, Ad (KNMI, de Bilt, the Netherlands); REGAN, Amanda (ESTEC, Noordwijk, Netherlands); ATKINSON, Karl (Astrium Ltd., Stevenage, UK)

Presenter: STOFFELEN, Ad (KNMI, de Bilt, the Netherlands)

Contribution ID: 24

Type: **not specified**

APPLICATION OF AEOLUS WINDS

Friday, 20 June 2014 11:50 (20 minutes)

Primary authors: STOFFELEN, Ad (KNMI, de Bilt, the Netherlands); MARSEILLE, Gert-Jan (KNMI, de Bilt, the Netherlands); SCHYBERG, Harald (MetNo, Oslo, Norway); DE KLOE, Jos (KNMI, de Bilt, the Netherlands)

Presenter: STOFFELEN, Ad (KNMI, de Bilt, the Netherlands)

Session Classification: SESSION 11: Doppler wind lidar

Contribution ID: 25

Type: **not specified**

“NWC SAF/HIGH RESOLUTION WINDS” AMV SOFTWARE EVOLUTION BETWEEN 2012 AND 2014

Monday, 16 June 2014 12:25 (20 minutes)

Primary author: PEREDA, Javier García (NWC SAF/AEMET, Madrid, Spain)

Presenter: PEREDA, Javier García (NWC SAF/AEMET, Madrid, Spain)

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 26

Type: **not specified**

THE IMPACT OF THE TRACER SIZE, THE TEMPORAL GAP BETWEEN IMAGES AND THE WIND GUESS IN THE EXTRACTION OF ATMOSPHERIC MOTION VECTORS

Wednesday, 18 June 2014 10:00 (20 minutes)

Primary authors: PEREDA, Javier García (NWC SAF/AEMET); BORDE, Régis (EUMETSAT)

Presenter: PEREDA, Javier García (NWC SAF/AEMET)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 27

Type: **not specified**

STATUS OF VIIRS POLAR WINDS

Monday, 16 June 2014 16:50 (20 minutes)

Primary authors: BAILEY, Andrew (I.M. Systems Group (IMSG), Rockville, MD USA); VELDEN, Christopher (Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, Wisconsin USA); SANTEK, David (Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, Wisconsin USA); QI, Hongming (NOAA/National Environmental Satellite, Data, and Information Service, Camp Springs, MD USA); DANIELS, Jaime (NOAA/National Environmental Satellite, Data, and Information Service, Camp Springs, MD USA); KEY, Jeff (NOAA/National Environmental Satellite, Data, and Information Service, Madison, Wisconsin USA); WANZONG, Steve (Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, Wisconsin USA); BRESKY, Wayne (I.M. Systems Group (IMSG), Rockville, MD USA)

Presenter: KEY, Jeff (NOAA/National Environmental Satellite, Data, and Information Service, Madison, Wisconsin USA)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 28

Type: **not specified**

INTRODUCING RECOMMENDATIONS FROM CGMS 41 TO THE 12TH INTERNATIONAL WINDS WORKSHOP

Monday, 16 June 2014 09:15 (20 minutes)

Primary author: SCHMETZ, Johannes (EUMETSAT)

Presenter: SCHMETZ, Johannes (EUMETSAT)

Contribution ID: 29

Type: **not specified**

HEIGHT CORRECTION OF ATMOSPHERIC MOTION VECTORS USING SATELLITE LIDAR OBSERVATIONS FROM CALIPSO

Thursday, 19 June 2014 09:40 (20 minutes)

Primary authors: FOLGER, Kathrin (Hans-Ertel-Centre for Weather Research, University Munich, Germany); WEISSMANN, Martin (Hans-Ertel-Centre for Weather Research, University Munich, Germany)

Presenter: FOLGER, Kathrin (Hans-Ertel-Centre for Weather Research, University Munich, Germany)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: **30**

Type: **not specified**

MOTION TRACKING AND CLOUD HEIGHT ASSIGNMENT METHODS FOR HIMAWARI-8 AMV

Monday, 16 June 2014 17:10 (20 minutes)

Primary author: SHIMOJI, Kazuki (JMA/MSC)

Presenter: SHIMOJI, Kazuki (JMA/MSC)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 31

Type: **not specified**

CURRENT STATUS AND PLANS OF JMA OPERATIONAL WIND PRODUCT

Monday, 16 June 2014 11:05 (20 minutes)

Primary author: SHIMOJI, Kazuki (JMA/MSC)

Presenter: SHIMOJI, Kazuki (JMA/MSC)

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 32

Type: **not specified**

THE MISR NRT CMV PRODUCT: MISR CLOUD MOTION VECTORS WITH THREE HOUR LATENCY

Tuesday, 17 June 2014 13:50 (20 minutes)

Primary authors: MUELLER, Kevin (MISR, JPL, California Institute of Technology); PROTACK, Steve (SSAI NASA Langley Research Center); JOVANOVIC, Veljko (MISR, JPL, California Institute of Technology)

Presenter: MUELLER, Kevin (MISR, JPL, California Institute of Technology)

Session Classification: SESSION 5: MISR, AATSR and Sentinel winds

Contribution ID: 33

Type: **not specified**

AMVS IN THE OPERATIONAL ECMWF SYSTEM

Tuesday, 17 June 2014 11:10 (20 minutes)

Primary authors: SALONEN, Kirsti (ECMWF); BORMANN, Niels (ECMWF)

Presenters: SALONEN, Kirsti (ECMWF); BORMANN, Niels (ECMWF)

Session Classification: SESSION 4: Use of satellite-derived winds in NWP

Contribution ID: 34

Type: **not specified**

INVESTIGATIONS ON ALTERNATIVE INTERPRETATION OF AMVS

Thursday, 19 June 2014 11:10 (20 minutes)

Primary authors: SALONEN, Kirsti (ECMWF); BORMANN, Niels (ECMWF)

Presenter: SALONEN, Kirsti (ECMWF)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: 35

Type: **not specified**

OBSERVING SYSTEM EXPERIMENTS OF MTSAT-1R RAPID SCAN AMV USING THE JMA OPERATIONAL NWP SYSTEM FROM 2011 TO 2013

Wednesday, 18 June 2014 11:10 (20 minutes)

Primary author: YAMASHITA, Koji (Numerical Prediction Division, Japan Meteorological Agency, Tokyo)

Presenter: YAMASHITA, Koji (Numerical Prediction Division, Japan Meteorological Agency, Tokyo)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 36

Type: **not specified**

**OPTIMIZING THE ASSIMILATION AND
PRE-PROCESSING OF SPACEBORNE
SCATTEROMETER DATA IN THE NOAA SYSTEM
AND ASSESSING THE IMPACT OF ADDING
OCEANSAT-2 OSCAT**

Primary authors: JONES, Erin (NESDIS/STAR/JCSDA/RTI); GARRETT, Kevin (NESDIS/STAR/JCSDA/RTI); KUMAR, Krishna (NESDIS/STAR/JCSDA/RTI); BI, Li (NESDIS/STAR/JCSDA/RTI); BOUKABARA, Sid (NESDIS/STAR/JCSDA); ZHU, Tong (NESDIS/STAR/JCSDA)

Presenter: BI, Li (NESDIS/STAR/JCSDA/RTI)

Contribution ID: 37

Type: **not specified**

RECENT IMPROVEMENTS IN THE DERIVATION OF GEOSTATIONARY ATMOSPHERIC MOTION VECTORS AT EUMETSAT.

Monday, 16 June 2014 16:10 (20 minutes)

Primary authors: CARRANZA, Manuel (GMV Aerospace and Defence S.A. at EUMETSAT); DOU-
TRIAUX-BOUCHER, Marie (EUMETSAT); BORDE, Régis (EUMETSAT)

Presenter: CARRANZA, Manuel (GMV Aerospace and Defence S.A. at EUMETSAT)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 38

Type: **not specified**

REPROCESSING OF ATMOSPHERIC MOTION VECTORS AT EUMETSAT

Friday, 20 June 2014 09:20 (20 minutes)

Primary authors: LATTANZIO, Alessio (EUMETSAT); SCHULZ, Jörg (EUMETSAT); DOUTRI-
AUX-BOUCHER, Marie (EUMETSAT); HUCKLE, Roger (EUMETSAT)

Presenter: DOUTRIAUX-BOUCHER, Marie (EUMETSAT)

Session Classification: SESSION 10: Reprocessing activities

Contribution ID: 39

Type: **not specified**

UPDATE ON THE PREPARATIONS FOR AEOLUS AT ECMWF

Friday, 20 June 2014 11:30 (20 minutes)

Primary authors: HORANYI, Andras (ECMWF); ISAKSEN, Lars (ECMWF); RENNIE, Michael (ECMWF)

Presenter: RENNIE, Michael (ECMWF)

Session Classification: SESSION 11: Doppler wind lidar

Contribution ID: 40

Type: **not specified**

EUMETSAT OPERATIONAL DUAL-METOP WINDS PRODUCTS

Monday, 16 June 2014 16:30 (20 minutes)

Primary authors: CARRANZA, Manuel (EUMETSAT); DOUTRIAUX-BOUCHER, Marie (EUMETSAT); HAUTECOEUR, Olivier (METIS S.A.S); BORDE, Régis (EUMETSAT)

Presenter: HAUTECOEUR, Olivier (METIS S.A.S)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 41

Type: **not specified**

SCATTEROMETER OCEAN SURFACE VECTOR WIND PRODUCTS AT NOAA

Tuesday, 17 June 2014 16:20 (20 minutes)

Primary authors: SAID, Faozi (NOAA/NESDIS); CHANG, Paul S. (NOAA/NESDIS); SOISUVARN, Seubson (NOAA/NESDIS); ALSWEISS, Suleiman (NOAA/NESDIS); JELENAK, Zorana (NOAA/NESDIS)

Presenter: CHANG, Paul S. (NOAA/NESDIS)

Session Classification: SESSION 6: Boundary layer

Contribution ID: 42

Type: **not specified**

CHARACTERIZING AMV HEIGHT ASSIGNMENT ERRORS IN A SIMULATION STUDY

Thursday, 19 June 2014 10:20 (20 minutes)

Primary authors: KELLY, Graeme (Met Office, UK); LEAN, Peter (University of Reading); MIGLIORINI, Stefano (University of Reading)

Presenter: LEAN, Peter (University of Reading)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: 43

Type: **not specified**

FY-2 ON-ORBIT OPERATIONAL CALIBRATION APPROACH (CIBLE) AND ITS BENEFIT TO FY-2D/E AMV PRODUCTS

Monday, 16 June 2014 14:00 (20 minutes)

Primary author: GUO, Qiang (National Satellite Meteorological Center, China Meteorological Administration)

Presenter: GUO, Qiang (National Satellite Meteorological Center, China Meteorological Administration)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 44

Type: **not specified**

AN OVERVIEW OF 10 YEARS OF RESEARCH ACTIVITIES ON AMVs AT EUMETSAT.

Monday, 16 June 2014 14:40 (20 minutes)

Primary author: RÉGIS, Borde (EUMETSAT)

Presenter: RÉGIS, Borde (EUMETSAT)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 45

Type: **not specified**

IMPROVING THE NOWCAST OF MESOSCALE CONVECTIVE SYSTEMS IN FORTRACC

Primary authors: MACHADO, Luiz Augusto Toledo (Instituto Nacional de Pesquisas Espaciais / Centro de Previsão de Tempo e Estudos Climáticos - INPE/CPTEC); NEGRI, Renato Galante (Instituto Nacional de Pesquisas Espaciais / Centro de Previsão de Tempo e Estudos Climáticos - INPE/CPTEC)

Presenter: NEGRI, Renato Galante (Instituto Nacional de Pesquisas Espaciais / Centro de Previsão de Tempo e Estudos Climáticos - INPE/CPTEC)

Contribution ID: 46

Type: **not specified**

RECENT STATUS OF ATMOSPHERIC MOTION VECTORS RETRIEVAL ACTIVITY AT ISRO

Primary authors: KISHTAWAL, C. M. (Indian Space Research Organization); KAUR, Inderpreet (Indian Space Research Organization); PAL, P. K. (Indian Space Research Organization); DEB, S. K. (Indian Space Research Organization)

Presenter: DEB, S. K (Indian Space Research Organization)

Contribution ID: 47

Type: **not specified**

ASSIMILATION OF GOES-R ATMOSPHERIC MOTION VECTORS (AMVS) IN THE NCEP GLOBAL FORECAST SYSTEM

Tuesday, 17 June 2014 12:10 (20 minutes)

Primary authors: SANTEK, Dave (Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, WI); DANIELS, Jaime (NOAA/NESDIS, Center for Satellite Applications and Research College Park, MD); JUNG, Jim (Joint Center for Satellite Data Assimilation, College Park, MD); NEBUDA, Sharon (Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, WI); BRESKY, Wayne (I.M. Systems Group (IMS), Rockville, MD)

Presenter: NEBUDA, Sharon (Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison, WI)

Session Classification: SESSION 4: Use of satellite-derived winds in NWP

Contribution ID: 48

Type: **not specified**

IMPROVING THE USE OF RADIOSONDE AND SATELLITE-DERIVED WINDS AT THE METEOROLOGICAL SERVICE OF CANADA

Tuesday, 17 June 2014 11:30 (20 minutes)

Primary authors: MATI, Iriola (Meteorological Service of Canada); ST-JAMES, Judy (Meteorological Service of Canada); SARRAZIN, Réal (Meteorological Service of Canada); LAROCHE, Stéphane (Meteorological Service of Canada)

Presenter: LAROCHE, Stéphane (Meteorological Service of Canada)

Session Classification: SESSION 4: Use of satellite-derived winds in NWP

Contribution ID: 49

Type: **not specified**

HISTORICAL GOES AMV RE-PROCESSING

Friday, 20 June 2014 09:40 (20 minutes)

Primary authors: BAILEY, Andrew (I.M. Systems Group (IMSG), Inc., Rockville, Maryland); VELDEN, Christopher S. (University of Wisconsin –Madison/SSEC/CIMSS, Madison, Wisconsin); STETTNER, Dave (University of Wisconsin –Madison/SSEC/CIMSS, Madison, Wisconsin); SANTEK, David (University of Wisconsin –Madison/SSEC/CIMSS, Madison, Wisconsin); DANIELS, Jaime (NOAA/NESDIS Center for Satellite Applications and Research, College Park, Maryland); WANZONG, Steve (University of Wisconsin –Madison/SSEC/CIMSS, Madison, Wisconsin); BRESKY, Wayne C. (I.M. Systems Group (IMSG), Inc., Rockville, Maryland)

Presenter: WANZONG, Steve (University of Wisconsin –Madison/SSEC/CIMSS, Madison, Wisconsin)

Session Classification: SESSION 10: Reprocessing activities

Contribution ID: 50

Type: **not specified**

RECENT PROGRESS IN USING SATELLITE WIND AT CMA

Primary authors: GONG, Jiandong (Numerical Weather Prediction Center, Chinese Meteorological Administration, Beijing); XU, Jianmin (National Satellite Meteorological Center, Chinese Meteorological Administration, Beijing 100081 China); HAN, Wei (Numerical Weather Prediction Center, Chinese Meteorological Administration, Beijing); ZHANG, Xiaohu (National Satellite Meteorological Center, Chinese Meteorological Administration, Beijing 100081 China); WAN, Xiaomin (Numerical Weather Prediction Center, Chinese Meteorological Administration, Beijing)

Presenter: HAN, Wei (Numerical Weather Prediction Center, Chinese Meteorological Administration, Beijing)

Contribution ID: 51

Type: **not specified**

ASSIMILATION OF GOES HOURLY AMVS IN NCEP GLOBAL DATA ASSIMILATION AND FORECAST SYSTEM

Tuesday, 17 June 2014 11:50 (20 minutes)

Primary authors: BAILEY, Andy (IMSG/EMC, NOAA); QI, Hongming (IMSG/EMC, NOAA); DANIELS, Jaime (IMSG/EMC, NOAA); DERBER, John (IMSG/EMC, NOAA); BRESKY, Wayne (IMSG/EMC, NOAA); SU, Xiujuan (IMSG/EMC, NOAA); LIN, Yangrong (IMSG/EMC, NOAA)

Presenter: SU, Xiujuan (IMSG/EMC, NOAA)

Session Classification: SESSION 4: Use of satellite-derived winds in NWP

Contribution ID: 52

Type: **not specified**

OBSERVING SYSTEM SIMULATION EXPERIMENTS FOR SPACE-BASED DOPPLER WIND LIDAR OBSERVATIONS

Friday, 20 June 2014 12:10 (20 minutes)

Primary authors: WOOLLEN, John S. (NOAA/EMC, College Park, MD); RIISHOJGAARD, Lars Peter (Univ. of Maryland/ESSIC, MD); MASUTANI, Michiko (NOAA/EMC, College Park, MD); MA, Zaizhong (NOAA/JCSDA, College Park, MD)

Presenter: MA, Zaizhong (NOAA/JCSDA, College Park, MD)

Session Classification: SESSION 11: Doppler wind lidar

Contribution ID: 53

Type: **not specified**

STATUS OF OPERATIONAL AMVS FROM FY-2 SATELLITES SINCE THE 11TH WIND WORKSHOP

Monday, 16 June 2014 11:25 (20 minutes)

Primary authors: JIANMIN, Xu (National Satellite Meteorological Center China Meteorological Administration); QISONG, Zhang (National Satellite Meteorological Center China Meteorological Administration); XIAOHU, Zhang (National Satellite Meteorological Center China Meteorological Administration)

Presenter: XIAOHU, Zhang (National Satellite Meteorological Center China Meteorological Administration)

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 54

Type: **not specified**

THE OPERATIONAL GENERATION OF CONTINUOUS HIGH RESOLUTION AMVS IN THE AUSTRALIAN REGION AND THEIR BENEFIT TO OPERATIONAL NWP

Primary authors: JUNG, Jim (JCSDA, Camp Springs, MD, USA); LEE, Jin (CAWCR, Bureau of Meteorology, Melbourne, Australia); GREGORY, Paul (CAWCR, Bureau of Meteorology, Melbourne, Australia); STEINLE, Peter (CAWCR, Bureau of Meteorology, Melbourne, Australia); SEECAMP, Rolf (Bureau of Meteorology, Melbourne, Australia); SKINNER, Terry (Bureau of Meteorology, Melbourne, Australia); XIAO, Yi (CAWCR, Bureau of Meteorology, Melbourne, Australia)

Presenter: MARSHALL, John Le (CAWCR, Bureau of Meteorology, Melbourne, Australia)

Contribution ID: 55

Type: **not specified**

IWWG INPUT TO THE WMO VISION FOR THE GOS IN 2025

Monday, 16 June 2014 09:35 (20 minutes)

Presenter: RIISHOJGAARD, Lars Peter

Contribution ID: 56

Type: **not specified**

CURRENT STATUS OF EUMETSAT OPERATIONAL WINDS

Monday, 16 June 2014 09:55 (20 minutes)

Presenters: HOLMLUND, Ken (EUMETSAT); CARRANZA, Manual; BORDE, Régis

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 57

Type: **not specified**

OPERATIONAL WIND PRODUCTS AT NOAA/NESDIS

Monday, 16 June 2014 10:15 (20 minutes)

Presenter: QI, Hongming (NOAA/NESDIS)

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 58

Type: **not specified**

AN OVERVIEW OF THE STATUS OF ATMOSPHERIC MOTION WINDS DERIVED FROM INSAT AT IMD

Monday, 16 June 2014 11:45 (20 minutes)

Presenter: MITRA, Ashim (IMD)

Session Classification: SESSION 1: Operational AMV Production

Contribution ID: 59

Type: **not specified**

NESDIS' ATMOSPHERIC MOTION VECTOR (AMV) NESTED TRACKING ALGORITHM: EXPLORING ITS PERFORMANCE

Monday, 16 June 2014 14:20 (20 minutes)

Presenter: DANIELS, Jaime (NOAA/NESDIS)

Session Classification: SESSION 2: AMV derivation

Contribution ID: 60

Type: **not specified**

Introduction to Poster Session 1

Monday, 16 June 2014 15:00 (15 minutes)

- Study of the target selection methods for AMV derivation of Geo-KOMPSAT Eunhee Lee (presented by Tae-Myung Kim)
- Feature tracked winds from moisture fields derived from AIRS sounding retrievals Dave Santek
- Investigating AMV and NWP model errors using the NWP SAF monitoring James Cotton
- Validation of single-mode and dual-mode Metop AMVs Ákos Horváth
- Recent progress in using satellite winds at CMA Wei Han
- Kalpana-1 derived water vapor winds from using NCEP first guess forecast fields and its impact on WRF model Ashim Mitra (CHECK)
- Evaluation of a new quality control method applied to MODIS and AVHRR winds in the NCEP GDAS/GFS Dave Santek

Contribution ID: **61**

Type: **not specified**

PLENARY DISCUSSION

Tuesday, 17 June 2014 09:20 (40 minutes)

Session Classification: SESSION 3: AMV intercomparison project

Contribution ID: 62

Type: **not specified**

ATMOSPHERIC MOTION VECTORS FROM THE TANDEM OPERATION OF AATSR AND ATSR-2

Tuesday, 17 June 2014 14:30 (20 minutes)

Presenter: MULLER, Jan-Peter (University College London)

Session Classification: SESSION 5: MISR, AATSR and Sentinel winds

Contribution ID: 63

Type: **not specified**

Introduction to Poster Session 2

Tuesday, 17 June 2014 14:50 (15 minutes)

- An assessment of the impact of the assimilation of NASA TERRA MISR atmospheric motion vectors on the NRL global environmental model Nancy Baker, Patricia M. Pauley, Rolf H. Langland, Kevin Mueller, Dong Wu
- Geometric cloud motion winds in a convoy of satellites Ad Stoffelen, Karl Atkinson, Amanda Regan
- Status of AMV usage in NWP at DMI Bjarne Amstrup
- Improving the nowcast of mesoscale convective systems in ForTraCC Renato Galante Negri
- Performance of the NOAA AWG cloud height algorithm applied to current geostationary and polar orbiting imagers Andrew Heidinger

Contribution ID: 64

Type: **not specified**

IMPACT STUDIES OF ASCAT WINDS IN THE ECMWF 4D-VAR ASSIMILATION SYSTEM

Tuesday, 17 June 2014 16:40 (20 minutes)

Presenter: DECHIARA, Giovanna (ECMWF)

Session Classification: SESSION 6: Boundary layer

Contribution ID: 65

Type: **not specified**

SCATTEROMETER WINDS IN THE MESOSCALE HARMONIE MODEL

Wednesday, 18 June 2014 09:20 (20 minutes)

Presenters: STOFFELEN, Ad; MARSEILLE, Gert-Jan (KNMI)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 66

Type: **not specified**

**SCATTEROMETER WINDS IN RAPIDLY
DEVELOPING STORMS (SCARASTO) – FIRST
EXPERIMENTS ON DATA ASSIMILATION OF
SCATTEROMETER WINDS**

Wednesday, 18 June 2014 09:40 (20 minutes)

Presenter: VALKONEN, Teresa (Norwegian Meteorological Institute)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: 67

Type: **not specified**

PLENARY DISCUSSION on winds for high resolution NWP

Wednesday, 18 June 2014 11:50 (1 hour)

Session Classification: SESSION 7: High resolution satellite-derived winds

Contribution ID: **68**

Type: **not specified**

OPTIONAL GROUP EXCURSION to the Castle of Kronberg

Wednesday, 18 June 2014 13:30 (4h 30m)

Contribution ID: 69

Type: **not specified**

HIGHLIGHTS OF CREW-4 AND THE PLANS FOR ICWG

Thursday, 19 June 2014 09:00 (20 minutes)

Presenter: ROEBELING, Rob (EUMETSAT)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: 70

Type: **not specified**

PLENARY DISCUSSION on height assignment, treatment of AMVs over layers, and changes to BUFR format

Thursday, 19 June 2014 11:30 (1 hour)

Session Classification: SESSION 8: AMV height assignment and treatment as layers

Contribution ID: 71

Type: **not specified**

Charge to working group breakout sessions

Thursday, 19 June 2014 13:50 (20 minutes)

Presenters: DANIELS, Jaime; FORSYTHE, Mary

Session Classification: SESSION 9: Open forum and discussion

Contribution ID: 72

Type: **not specified**

WG1: Methods

Thursday, 19 June 2014 14:10 (1 hour)

Presenters: KEY, Jeff; BORDE, Régis

Session Classification: SESSION 9: Open forum and discussion

Contribution ID: 73

Type: **not specified**

WG2: Data assimilation

Thursday, 19 June 2014 14:10 (1 hour)

Presenters: COTTON, James; BORMANN, Niels

Session Classification: SESSION 9: Open forum and discussion

Contribution ID: 74

Type: **not specified**

WORKING GROUPS continue

Thursday, 19 June 2014 15:40 (1h 20m)

Session Classification: SESSION 9: Open forum and discussion

Contribution ID: 75

Type: **not specified**

PROVISION OF ATMOSPHERIC MOTION VECTORS (AMVS) FOR THE USE IN NUMERICAL WEATHER PREDICTION (NWP) MODEL-BASED REANALYSIS IN THE FRAMEWORK OF SCOPE-CM

Friday, 20 June 2014 09:00 (20 minutes)

Primary author: KURINO, Toshiyuki

Presenter: SHIMOJI, Kazuki

Session Classification: SESSION 10: Reprocessing activities

Contribution ID: 76

Type: **not specified**

PRELIMINARY ASSESSMENT OF THE IMPACT OF REPROCESSED AMVS FOR THE ERACLIM GLOBAL REANALYSES

Friday, 20 June 2014 10:20 (20 minutes)

Presenter: PEUBEY, Carole (ECMWF)

Session Classification: SESSION 10: Reprocessing activities

Contribution ID: 77

Type: **not specified**

ADM-AEOLUS, ESA'S WIND LIDAR MISSION

Friday, 20 June 2014 11:10 (20 minutes)

Presenter: STRAUME-LINDNER, Anne-Grete (ESA-ESTEC)

Session Classification: SESSION 11: Doppler wind lidar

Contribution ID: 78

Type: **not specified**

Working group reports and IWW12 recommendations

Friday, 20 June 2014 12:30 (1h 5m)

Session Classification: SESSION 9: Open forum and discussion

Contribution ID: 79

Type: **not specified**

Closing comments –WORKSHOP ENDS

Friday, 20 June 2014 13:35 (10 minutes)

Session Classification: SESSION 9: Open forum and discussion

Contribution ID: **80**

Type: **not specified**

Welcome and workshop opening

Monday, 16 June 2014 09:00 (15 minutes)

Presenters: Prof. HANSEN, Aksel Walløe (Niels Bohr Institutet); FORSYTHE, Mary