

FINAL AGENDA

Topics

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| <ul style="list-style-type: none"> 0 Mission and Instrument 1 Preprocessing 2 NWP Assimilation and Monitoring 3 Clouds and Aerosols 4 Radiative Transfers and Spectroscopy | <ul style="list-style-type: none"> 5 Validation Campaigns - Radiances 6 Temp. / Water Vapour Retrieval 7 Trace Gas Retrieval and Chemistry 8 Validation Campaigns - Products / Properties 9 Agencies / Future Programs |
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Date	Time	Presentation Title	Slides	Topic #	Type of Presentation	Main Author	Affiliation
Tuesday, November 13, 2007							
Nov. 13	9:15	Welcome				Philippe GOUDY Marc COHEN Hervé ROQUET Nicole PAPINEAU Thierry PHULPIN	CNES/DCT Eumetsat Meteo France INSU CNES
Nov. 13 09:45 Mission and Instrument							
Nov. 13	09:45	IASI: a Review of Instrument Performance and Characterizations	Y	0	Oral	Denis SIMEONI	Alcatel Space
Nov. 13	10:05	IASI on MetOp-A – Level 1 Cal/Val Description	Y	0	Oral	Denis BLUMSTEIN	CNES
Nov. 13	10:25	IASI on MetOp-A – Radiometric and Spectral Performances	Y	0	Oral	Bernard TOURNIER	Novelis
Nov. 13 10:45 Break							
Nov. 13	11:15	IASI Level 2 product processing at EUMETSAT	Y	0	Oral	Peter SCHLUESSEL	Eumetsat
Nov. 13	11:35	Activities on IASI at CNES and projects	Y	0	Oral	Thierry PHULPIN	CNES
Nov. 13	11:55	Synergetic Operational Earth observations with the EPS/Metop System	Y	0	Oral	Dieter KLAES	Eumetsat
Nov. 13	12:15	Geometric performances of IASI	y/n	0	Poster	Roger FJORTOFT	CNES
		System Performance Monitoring at IASI Technological Expertise Center (TEC)	y/n	0	Poster	Inès GAUDEL	CNES
		Expertise and data managed on IASI studies within Ether system	N	0	Poster	Françoise GIROD	CNES
Nov. 13 12:30 Lunch							
Nov. 13 14:00 Preprocessing							
Nov. 13	14:00	Using Principal Component Analysis (PCA) of IASI radiances to filter noise and generate retrievals.	Y	1	Oral	Mitch GOLDBERG presented by Chris BARNET	NOAA/NESDIS/STAR
Nov. 13	14:20	Current Status of Lossless Compression of Ultraspectral Sounder and Hyperspectral Imager Data	Y	1	Oral	Borming HUANG presented by Allen HUANG	Space Science and Engineering Center, University of Wisconsin-Madison
Nov. 13	14:40	Principle Component Analysis of IASI spectra	Y	1	Oral	David TOBIN	University of Wisconsin Madison
Nov. 13	15:00	The NOAA/NESDIS/STAR IASI Near Real-Time Product Processing and Distribution System	Y	1	Oral	Walter WOLF	NOAA
Nov. 13	15:20	Pre-processing of IASI data for NWP using the AAPP software package	Y/y	1	Poster	Nigel ATKINSON	Met Office
		Pre-processing of IASI data. About the use of the AAPP/OPS-LRS software for local processing and comparison with global IASI data	Y	1	Poster	Pascal BRUNEL	Météo France
Nov. 13 15:25 Break							
Nov. 13 16:00 NWP Assimilation and Monitoring							
Nov. 13	16:00	Monitoring and Assimilation of IASI Radiances at ECMWF	Y	2	Oral	Andrew COLLARD	ECMWF
Nov. 13	16:20	IASI NRT monitoring at EUMETSAT and results from radiance monitoring	Y	2	Oral	Lars FIEDLER	Eumetsat
Nov. 13	16:40	Monitoring and assimilation of IASI data in Météo-France NWP system	Y	2	Oral	Vincent GUIDARD	Météo France
Nov. 13	17:00	First results of IASI assimilation experiments at the Met Office	Y	2	Oral	Fiona HILTON	Met Office
Nov. 13	17:20	Monitoring of IASI radiances at Environment Canada	n/n	2	Poster	Louis GARAND presented by Sylvain HEILLIETTE	CMC
		Comparison of IASI radiances with NWP models from four operational centres	n/y	2	Poster	Fiona HILTON	Met Office
		First experience of the assimilation of the IASI data in the ALADIN LAM model	y/y	2	Poster	Roger RANDRIAMAMPANINA	Nowegian meteorological institute
		Using a data assimilation adjoint to improve channel selection of assimilating hyperspectral dataset	y/n	2	Poster	Benjamin RUSTON	Naval Research Laboratory
		Special Issue of ACP on results from IASI	Y			Cathy CLERBAUX	
Nov. 13 17:25 Validation Campaigns - Radiances							
Nov. 13	17:25	NIST TXR Validation of Scanning HIS radiances and a UW-SSEC Blackbody	y/n	5	Poster	Fred BEST	Space and engineer center Univ. Wisconsin
		Spectral Radiances provide a new standard in absolute accuracy: Direct IASI radiance validation results from aircraft	y/n	5	Poster	Henry E. REVERCOMB	Space Science and Engineering Center, Univ. of Wisconsin-Madison
		Validation of IASI L1c Radiances using ECMWF Model Fields and Coincident Radiosondes	y/n	5	Poster	Larabee STROW	
		Performance of an FTIR sounder on several airborne platforms: the Scanning High Resolution Interferometer Sounder (S-HIS)	Y/y	5	Poster	Joe TAYLOR	Space Science and Engineering Center, Univ. of Wisconsin-Madison
Nov. 13 17:30 Radiative Transfers and Spectroscopy							
Nov. 13	17:30	Quantitative spectroscopy of formic acid and formaldehyde leading to high quality databases in the infrared spectral regions	y/n	4	Poster	Agnès PERRIN	Laboratoire Interuniversitaire des Systèmes Atmosphériques, CNRS
		Infrared spectroscopic studies of the Earth's outgoing spectrum and the detection of climate change	cancelled	4	Poster	John HARRIES	All Imperial College, London
Nov. 13 18h00 Poster Session 1 & Ice Breaker							
Nov. 13	20:30	Dinner					

Wednesday, November 14, 2007						
Nov. 14	09:00	Radiative Transfers and Spectroscopy				
Nov. 14	09:00	The GEISA/IASI Spectroscopic database: evaluation for IASI FLIGHT DATA	Y	4	Oral	Nicole JACQUINET CNRS/LMD
Nov. 14	09:20	An intercomparison of line-by-line models using different molecular databases	Y	4	Oral	Marco MATRICARDI DIFA, University of Basilicata, Potenza, Italy
Nov. 14	09:40	Radiative Transfer Models for IASI and/or Spectroscopy	Y	4	Oral	Larrabee STROW
Nov. 14	10:00	Validation Campaigns - Radiances				
Nov. 14	10:00	Validation of IASI level 1 and level 2 products using IASI-balloon	Y	5	Oral	Claude CAMY-PEYRET CNRS/LPMAA
Nov. 14	10:20	IASI Radiance Validation Analysis for JAIVEX	Y	5	Oral	Allen LARAR NASA Langley Research center
Nov. 14	10:40	Break				
Nov. 14	11:10	Validation of IASI radiances from Joint Airborne IASI Validation Experiment (JAIVEx)	Y	5	Oral	Stuart NEWMAN Met Office
Nov. 14	11:30	Leicester studies of the quality of IASI spectra through infra-red radiative transfer simulations	Y	5	Oral	John REMEDIOS Univ. Leicester
Nov. 14	11:50	Temp. / Water Vapour Retrieval				
Nov. 14	11:50	Validation and documentation of IASI and companion Metop observations for climate research.	Y/y	6	Poster	Raymond ARMANTE CNRS/LMD
		Temperature, Water Vapour and Ozone retrievals using statistical techniques based on dimension reduction.		6	Poster	Italia DEFEIS presented Giuseppe GRIECO Istituto per le Applicazioni del Calcolo "Mauro Picone
		An updated status on temperature, water vapor and ozone retrievals from IASI radiance measurements, using the NOAA Unique retrieval algorithm	n	6	Poster	Antonia GAMBACORTA Perot Systems
Nov. 14	11:55	Trace Gas Retrieval and Chemistry				
Nov. 14	11:55	Measurements and modeling of IASI tropospheric ozone	y/n	7	Poster	Anne BOYNARD Service d'Aéronomie/IPSL, CNRS
		Inferring surface fluxes of greenhouse gases from IASI		7	Poster	Fredéric CHEVALLIER Laboratoire des Sciences du Climat et de l'Environnement
		Tropospheric OZONE from IASI measurements IN THE INFRARED USING ALTITUDE-DEPENDENT TIKHONOV REGULARIZATION.	y/n	7	Poster	Maxim EREMENKO LISA-UMR
		Processing system for analyzing IASI Level 1C data to retrieve trace gases concentrations	y/n	7	Poster	Juliette HADJI-LAZARO Service d'Aéronomie/IPSL, CNRS
		Tropospheric water vapour isotopologues (H216O, H218O and HDO) retrieved from IASI/METOP data.	Y	7	Poster	Hervé HERBIN Université Libre de Bruxelles
		CO retrievals from IASI: comparison with MOPITT/TERRA	y/n	7	Poster	Mathieu POMMIER Service d'Aéronomie/IPSL, CNRS
		Infrared Retrieval of SO2 using high spectral resolution satellite data	y/n	7	Poster	Fred PRATA Norwegian Institute for Air Research
		Assessment of methane using the IASI instrument	y/n	7	Poster	Ariane RAZAVI Université Libre de Bruxelles
		IASI measurements of the HNO3 distributions	y/n	7	Poster	Catherine WESPES Université Libre de Bruxelles
		Study of the transport pathways of pollution in the tropical upper troposphere through the assimilation of spaceborne CO and O3 observations in the MOCAGE model		7	Poster	Brice BARRET NOAA/NESDIS/ STAR
		Dynamic Ozone Profile Climatology : Software bundle for intergration in retrieval scheme	y/n	7	Poster	Anton ZAIFEL ZSW
		Potential of CO2 retrieval from IASI	y/n	7	Poster	Pascal PRUNET NOVELTIS
Nov. 14	12:10	Lunch				
Nov. 14	15:00	Clouds and Aerosols				
Nov. 14	15:00	Cloud detection methods in the IASI L2 PPF	Y	3	Oral	Xavier CALBET Eumetsat
Nov. 14	15:20	Evaluation of summertime convection forecasts against IASI observations	Y	3	Oral	Jean-Pierre CHABOUREAU Laboratoire d'Aerologie Université Paul Sabatier
Nov. 14	15:40	Cloud Detection, Clearing and Property Retrieval using IASI and MAIA / AVHRR Cloud Mask and Classification	Y	3	Oral	Allen HUANG CIMSS, University of Wisconsin- Madison
Nov. 14	16:00	Observations of Dust with IASI	Y	3	Oral	Larrabee STROW
Nov. 14	16:20	Validation Campaigns - Products / Properties				
Nov. 14	16:20	Contribution to tropospheric studies using IASI data	y/n	8	Poster	Michel KRUGLANSKI Belgian Institute for Space Aeronomy
		Atmospheric Sounding campaigns for IASI validation	y/n	8	Poster	François MONTAGNER Eumetsat
		The Concordiasi Project over Antarctica during IPY	y/n	8	Poster	Florence RABIER Météo France
Nov. 14	16:25	Agencies / Future Programs				
Nov. 14	16:25	Use of IASI data to prepare new missions in the Thermal infrared		9	Poster	Thierry PHILIPIN CNES
		IASI observations as testbed for development fo Meteosat Third Generation Infrared Sounder end-to-end processing chain	y/n	9	Poster	Stephen TJEMKES Eumetsat
Nov. 14	16:30	Break				
Nov. 14	17:00	Poster session 2				
Nov. 14	20:30	Dinner				
Thursday, November 15, 2007						
Nov. 15	09:00	Temp. / Water Vapour Retrieval				
Nov. 15	09:00	Comparison of Land Surface Infrared Spectral Emissivity Derived from MetOP IASI and Aqua AIRS	Y	6	Oral	Robert KNUTESON Space Science and Engineering Center, Univ. Wisconsin-Madison
Nov. 15	09:20	Processing of IASI data at CMS for NWC applications	Y	6	Oral	Lydie LAVANANT Météo France
Nov. 15	09:40	Single footprint sounding and cloud property retrievals from IASI radiances under all sky conditions	Y	6	Oral	Jun LI Cooperative Institute for Meteorological Satellite Studies Univ. Wisconsin-Madison
Nov. 15	10:00	Atmospheric and Surface Property Retrievals from IASI and NAST-I	Y	6	Oral	Xu LIU NASA Langley Research center
Nov. 15	10:20	Break				
Nov. 15	10:40	Preliminary Results of phi-IASI radiative transfer and retrieval products evaluation	Y	6	Oral	Carmine SERIO presented by G. GRIECO Univ. Basilica
Nov. 15	11:00	1d-Var Retrieval of Temperature, Water Vapour and Spectrally Resolved Surface Emissivity Using Data from Joint Airborne IASI Validation Experiment	Y	6	Oral	Jonathan TAYLOR Met Office
Nov. 15	11:20	Trace Gas Retrieval and Chemistry				
Nov. 15	11:20	Observing trace gases from IASI radiances	Y	7	Oral	Christopher BARNET NOAA/IOSSPDT
Nov. 15	11:40	Monitoring of atmospheric composition using the thermal infrared IASI/METOP sounder	Y	7	Oral	Cathy CLERBAUX Service d'Aéronomie/IPSL, CNRS
Nov. 15	12:00	Midtropospheric CO2 Concentration Retrieval in the Tropical Zone from the MetOp IASI/AMSU Observations	Y	7	Oral	Cyril CREVOISIER & N.A. SCOTT Laboratoire de Meteorologie Dynamique