Agenda 19th OMI Science Team Meeting

31 Aug – 2 Sep, 2015
KNMI, De Bilt, The Netherlands

Monday 31 Aug 2015

Name	Title	Start	Duration [min]
	Registration	8:30	55
	Introduction and Welcome		
Pieternel Levelt	Opening Remarks	9:25	5
Gerard van der Steenhoven	Welcome by Director General KNMI	9:30	10
Ken Jucks	NASA, Aura, OMI, and the results of the Senior Review	9:40	15
	PI Overviews		
Pieternel Levelt	OMI – KNMI	9:55	20
Johanna Tamminen	OMI – FMI	10:15	20
	Coffee break	10:35	25
Joanna Joiner	OMI – NASA	11:00	20
	Instrument Status of OMI		
Jacques Claas	Overview Instrument Status	11:20	20
Quintus Kleipool	Overview of Calibration Status	11:40	5
Erik Schenkeveld	Long term trend analysis of OMI In-Flight Calibration Data	11:45	20
	Lunch	*12:05*	*55*
	Overview Ozone and Nitrogen Dioxide Retrievals		
Dave Haffner	New results from the OMI V9 ozone algorithm	13:00	20
Xiong Liu	Validation of 10 years of SAO OMI Ozone Profiles with Ozonesonde and MLS Observations	13:20	20
Henk Eskes	Developments in the KNMI retrieval of NO_2 for OMI	13:40	20
Lok Lamsal	Improvement of NASA operational OMI NO_2 retrievals	14:00	20

Sergey Marchenko	The new GSFC slant column density retrieval of nitrogen dioxide	14:20	20
	Coffee break	14:40	20
	Overview Cloud, Aerosol, Formaldehyde, and UV Retrievals		
Pepijn Veefkind	Improvements to the OMCLDO2 Retrieval	15:00	20
Alexander Vasilkov	Effects of surface BRDF on cloud products derived from rotational Raman scattering and O_2-O_2 absorption at 477 nm	15:20	20
Hiren Jethva	Characterization of Aerosols above Clouds using OMI's Near-UV Observations	15:40	20
Omar Torres	Impact of row-anomaly on OMI aerosol long-term record	16:00	20
Gonzalo Gonzalez Abad	Updates on SAO formaldehyde retrievals and associated validation efforts	16:20	20
Anders Lindfors	Performance of the OMI UV algorithm under cloud-free vs. overcast conditions	16:40	20
	Poster Session / Reception	17:00	
Jacob van Peet	Variability in tropospheric ozone over China derived from assimilated GOME-2 ozone profiles		poster
Sunny Choi	Link between Enhanced Arctic tropospheric BrO observed by Aura OMI and meteorological conditions		poster
Huiqun (Helen) Wang	SAO OMI Water Vapor Product Validation		poster
Santiago Gassó (Pete Colarco)	Using the NASA GEOS-5 MERRAero Aerosol Reanalysis to Understand the OMI OMAERUV Aerosol Products		poster
Yang Wang	Evaluation of the effect of strong aerosol loads on satellite retrievals of tropospheric NO2, SO2 and HCHO using MAX-DOAS observations in Wuxi, China		poster
Deborah Stein Zweers	Overview of Recent NO_2-Sonde Activities: DISCOVER-AQ and City-Sonde Science		poster
Huan Yu	Potential of future space instruments to detect NO2 from ship emissions over European waters		poster
Steven Lloyd	An Analysis of the Temporal and Spatial Progression of the Monthly Mean of the OMTO3 Daily Row Anomaly		poster
Phil Durbin	Converting OMI algorithms to 64-bit		poster
Holger Sihler	Discrete field of view sampling of OMI satellite pixels using MODIS imager data		poster
Alexander Vasilkov (Eun-Su Yang)	A new cloud pressure algorithm based on the O_2-O_2 absorption band at 477 nm		poster
Maarten Sneep	Using Sentinel 5 precursor Level 2 Data: File Format and Metadata		poster
Yang Wang (Jos Lelieveld)	Abrupt recent trend changes in atmospheric NO_2 over the Middle East		poster

Tuesday, 1 Sep 2015

Name	Title	Start	Duration [min]
	OMI Links to Policy, Public Health, and Emission Controls		
Bryan Duncan **(Invited)**	A space-based, high-resolution view of notable (and really cool) changes in urban NO_x pollution around the world (2005-2014)	9:00	30
Guus Velders **(Invited)**	On the role of measurements and modelling in Dutch air quality policies	9:30	30
Gerard Hoek **(Invited)**	Health effects of NO_2: Evidence from recent epidemiological studies	10:00	30
Folkert Boersma	Ships slow in reducing their NO_x emissions: changes in 2005-2012 ship exhaust inferred from satellite measurements over Europe	10:30	20
	Coffee Break	10:50	20
	OMI Trends and Observations: O_3, NO_2, SO_2, and Volcanic Emissions		
Willem Verstraeten	Rapid increases in tropospheric ozone levels over China: The view from AURA	11:10	20
Nickolay Krotkov	Aura OMI observations of regional SO_2 and NO_2 pollution changes from 2005 to 2014	11:30	20
Simon Carn	Multi-decadal satellite measurements of global volcanic degassing	11:50	20
Jos de Laat (for Sophie Smits)	Monitoring volcanic haze from space: the Bárðarbunga case	12:10	20
Iolanda Ialongo	Comparison of operational satellite SO_2 products with ground-based observations in northern Finland during the Icelandic Holuhraun fissure eruption	12:30	20
	Lunch	12:50	60
	OMI Comparison and Validation		
Richard McPeters	OMI Total Ozone Compared with the Suomi NPP OMPS Mapper	13:50	20
Jay Herman	Pandora Validation of OMI NO_2 and O_3	14:10	20
Bryan Duncan (for Ken Pickering)	Overview of Results from DISCOVER-AQ Campaigns	14:30	20
Yang Wang	MAX-DOAS observations and their application to the validation of OMI and model data in Wuxi, China	14:50	20
Vitali Fioletov **(Invited)**	Global Catalog of SO_2 Sources derived from OMI	15:10	30
	Break / Poster Viewing	15:40	40

	Depart KNMI for Utrecht City Center	16:20	
	Group Outing & Conference Dinner in Utrecht	17:00	

Wednesday, 2 Sep 2015

Name	Title	Start	Duration [min]
	Evaluation and Innovation		
Martin de Graaf	How big is an OMI Pixel?	9:00	20
Jieying Ding	NOx emission estimates during the 2014 Youth Olympic Games in Nanjing	9:20	20
Julien Chimot	Understanding the implicit aerosol correction by the OMI O_2-O_2 cloud algorithm on the OMI tropospheric NO_2 retrievals	9:40	20
Alba Lorente	Intercomparison of OMI NO_2 and HCHO air mass factor calculations: recommendations and best practices for retrievals	10:00	20
Joanna Joiner **(Invited)**	Taking the pulse of plants from space	10:20	30
	Coffee Break	10:50	20
	Future Missions Relevant to OMI		
Jhoon Kim	Overview of the GEMS Mission	11:10	20
Xiong Liu	Implementation of Tropospheric Emissions: Monitoring of Pollution (TEMPO)	11:30	20
Ben Veihelmann	The Sentinel-4 and -5 Missions	11:50	20
Pepijn Veefkind	Overview and Status of the S5-P TROPOMI Mission	12:10	20
	Lunch	12:30	60
	Application and Assimilation of OMI Data		
Vincent Huijnen **(Invited)**	Overview of MACC and CAMS	13:30	30
Ronald van der A	NOx emission estimates from satellites	14:00	20
Kazuyuki Miyazaki	A tropospheric chemistry reanalysis for the years 2005-2014 based on an assimilation of OMI, MLS, TES and MOPITT satellite data	14:20	20
	Close of the Meeting		
Pieternel Levelt	Concluding Remarks		10