

Time	Name	Title
8:10-8:40	Registration in Building 33, Room H114	
	Convener: Joanna Joiner	
8:45	Jim Irons	Welcome from Goddard Director of Earth Science
8:55	Ken Jucks	NASA HQ Overview
9:15	Pieter Levelt	OMI Overview
10:00	Dominic Fisher	OMI Mission Status
10:20	Mirna van Hoek	OMI Instrument Status
10:40	Coffee break	
11:10	Sergey Marchenko	Calibration-NASA, OMI L1B data and the art of on-orbit calibration
11:30	Quintus Kleipool	13 years inflight calibration monitoring of the OMI instrument
11:50	Jhoon Kim	GEMS Mission Overview and Status
12:10	Lunch	
	Convener: Pepijn Veefkind	
	Afternoon Session 1: Aerosol, Clouds, and Lightning NO_x	
13:20	Peter Colarco	Simulation of the Ozone Monitoring Instrument Aerosol Index using the NASA Goddard Earth Observing System Aerosol Reanalysis Products
13:40	Hiren Jethva	A 12-year Global Record of Above-cloud Aerosol Optical Depth Retrieved from OMI
14:00	Julien Chimot	Aerosol layer height from (cloud-free) OMI and a neural network approach – Evaluation and possibility of a 13-year time series
14:20	Diego Loyola	Comparison of different cloud fraction algorithms for OMI
14:40	Ken Pickering	UMCP Lightning NO _x Production per Flash in the Midlatitudes and Tropics Derived from OMI NO ₂ and WWLLN Observations
15:00	Coffee break	
	Afternoon Session 2: Trace Gases & Aerosols in the Upper Troposphere and Stratosphere	
15:30	Ryan Stauffer	Geophysically-based Global Ozone Profile Clusters: Implications for OMI Retrievals and Validation
15:50	Pamela Wales	A Reevaluation of the Contribution of Very Short Lived Bromocarbons to Stratospheric Bromine Loading Based on Satellite BrO
16:10	Simon Carn	A decade of global volcanic SO ₂ emissions measured from space
	Introduction of Wednesday topic: Air quality and NO₂	
16:30	Daniel Goldberg	<i>Invited:</i> A high-resolution and observationally constrained OMI NO ₂ satellite retrieval
17:00	Adjourn	

Time	Name	Title
	Convener: PK Bhartia	
	Morning Session 1: AQ Policy and Emissions Monitoring	
8:30	Tim Canty	The Use of OMI observations and Air Quality Model Simulations to Inform Air Quality Policy
8:50	Tracey Holloway	<i>Invited:</i> Linking Satellite Data with Air Quality and Health Applications
<i>CANCELLED</i>	<i>Chris McLinden</i>	<i>Further application of OMI NO₂ and SO₂ towards emissions monitoring</i>
9:20	Johanna Tamminen	Case studies of using OMI NO ₂ and SO ₂ observations to support authorities and cleantech industry
9:40	Fei Liu	NO _x emission trends over Chinese cities estimated from OMI observations during 2005 to 2015
10:00	Coffee Break	
	Morning Session 2: NO₂ retrieval techniques and trends	
10:20	Folkert Boersma	New tropospheric NO ₂ retrieval products for OMI and GOME-2, resulting from the Quality Assurance For Essential Climate Variables (QA4ECV) project
10:40	Marina Zara	Quality Assurance for NASA, KNMI, BIRA-IASB and QA4ECV spectral fitting algorithms for NO ₂ and HCHO Slant Columns from OMI and GOME-2(A)
11:00	Lok Lamsal	Observation of NO _x emission trends by OMI
11:20	Lunch	
	<i>Two Slots for Tours of Mission Operations (11:30, 13:00)</i>	
	Convener: Johanna Tamminen	
	Afternoon: NO₂ retrieval techniques and trends continued	
13:40	Debra Kollonige	OMI NO ₂ in the Central US Great Plains: How Well Do We Interpret NO ₂ Trends?
14:00	Coffee Break	
14:00	Poster Session	
16:50	Adjourn	
Evening	OMI Team Outing - Nationals Baseball Game	
	Game starts at 19:05	
	Take the Greenline Metro from Greenbelt Station to Navy Yard Station (closest to ball park), approx. 50 minute journey	

Time	Name	Title
	Convener: Pieter Levelt	
	Morning Session 1: (Tropospheric) Ozone Trends, Mechanisms, & Policy	
8:30	Owen Cooper	<i>Invited:</i> The Tropospheric Ozone Assessment Report: A community-wide effort to quantify tropospheric ozone in a rapidly changing world
9:00	Jerry Ziemke	Regional and Global Trends in Tropospheric Ozone for 1979-2016 Inferred from a Composite Record of TOMS/OMI/MLS/OMPS Satellite Measurements
9:20	Guanyu Huang	A Decadal (2004-2014) Analysis of Global-to-regional Tropospheric Ozone Column Trends Using GFDL-AM3 Model Simulations and OMI Observations
9:40	Linda Hembeck	Ozone Production Efficiency in the Baltimore-Washington Urban Plume: evaluating CMAQ with aircraft (DISCOVER-AQ) and satellite (OMI) observations
10:00	Paul Newman	<i>Invited:</i> Ozone observations and the Montreal Protocol
10:30	Coffee Break	
	Morning Session 2: Future Missions	
11:00	Pepijn Veefkind	Preparations for the Operational Phase of TROPOMI
11:20	Antje Ludewig	Sentinel 5 Precursor Pre-Launch Calibration and Commissioning Phase Preparation
11:40	Xiong Liu	TEMPO Mission Overview and Status
12:00	Pieter Levelt	TROPOLITE Mission Overview
12:20	Conclude & Adjourn	
12:30	Lunch	

First	Last	Institute	Title
Changwoo	Ahn	GSFC	Assessment of 14-year Global Record of Aerosol Products from the OMI Near-UV Algorithm
Dale	Allen	UMCP	Lightning NOx Production in the Tropics as determined using OMI NO2 Retrievals and WWLLN stroke data
Alba	Lorente	KNMI	Surface reflectance anisotropy, clouds and NO ₂ : changing perspectives for GOME-2A and OMI through lessons learned from the QA4ECV project
Eric	Bucseala	SRI	Production Efficiency of Lightning NOx: A northern mid-latitude study using OMI and WWLLN data
Chris	Chan Miller	SAO	Estimating UV-Visible BRDFs by combining information from satellite and laboratory reflectance datasets: A machine learning approach
Sunny	Choi	GSFC	Link between Arctic tropospheric bromine explosion and sea salt aerosols from blowing snow investigated using NASA's Aura Ozone Monitoring Instrument (OMI) BrO data and GEOS-5 model
Zachary	Fasnacht	GSFC	Validation of Geometry Dependent LER (GLER) Radiances Using OMI Measurements
Zachary	Fasnacht	GSFC	NASA GEOS-5 Assimilated Data Products for use in OMI Algorithms: Background and Applications
Nikita	Fedkin	UMCP	Source Analysis of Reductions in Sulfate Wet Deposition and Sulfur Dioxide over the Eastern U.S. during 2005-2015 Using OMI Satellite Data and Ground Measurements
Santiago	Gasso	GSFC	A study of collocated OMI, CALIPSO and MODIS observations over the ocean: the role of cloud contamination in OMAERUV and validation of retrievals of aerosol layer height with OMI-MODIS combined observations
Sujung	Go	Yonsei Univ.	Aerosol retrieval algorithm for Geostationary Environmental Monitoring Spectrometer (GEMS)
Gonzalo	González Abad	Harvard SAO	Status of SAO trace gas algorithms for OMI
David	Haffner	GSFC	The TOMS V9 total ozone record from OMI: what we have learned
Hao	He	UMCP	Evaluation of pollutant emissions in North China Plain using aircraft measurements and OMI observations
Yeonijn	Jung	Harvard SAO	Sensitivity study of aerosol effects on air mass factors calculations for trace gas retrievals
Nickolay	Krotkov	GSFC	More accurate OMI tropospheric NO ₂ retrievals aided by NASA's A-train high-resolution data
Can	Li	GSFC	NASA EOS Aura/OMI Standard Sulfur Dioxide Product: Current Status and Next Steps
Xiong	Liu	Harvard SAO	Improving the Retrieval Accuracy and Long-term Consistency of Ozone profile and Tropospheric Ozone Measurements from the OMI on EOS Aura
Wenhan	Qin	GSFC/SSAI	GLER - a quantity for use in OMI trace-gas retrieval algorithms to account for surface BRDF effects
Allison	Ring	UMCP	Determining ozone production sensitivity in the CMAQ model using OMI HCHO/NO ₂ ratios
Sandra	Roberts	UMCP	Analyzing the transition to the NOx-limited regime of ozone production in the Baltimore-Washington Region using ground-based and satellite observations
Henry	Selkirk	GSFC	Balloonsonde Profiling in Costa Rica for Validation of OMI and Sentinel 5 Precursor SO ₂ Retrievals
Yingxi	Shi	GSFC	Characterizing the smoke emission in 2015 extreme biomass burning events over Indonesia using satellites observations from A-Train
Maarten	Sneep	KNMI	A brief overview of the TROPOMI level 2 file format
Deborah	Stein Zweers	KNMI	OMI NO ₂ compared with NO ₂ -sonde and aircraft data during DISCOVER-AQ at Golden, CO: column comparison and assumed profile shape analysis
Anne	Thompson	GSFC	Applications of the First Reprocessed Southern Hemisphere Additional Ozonesondes (SHADOZ) Profile Dataset (1998-2016)
Omar	Torres	GSFC	Near UV Satellite Aerosol Measurements: from TOMS to OMI and beyond
Alexander	Vasilkov	GSFC	Effects of surface BRDF on the OMI cloud and NO ₂ retrievals
Jacque	Witte	GSFC	First Reprocessing of Southern Hemisphere Additional Ozonesondes (SHADOZ) Records: Evaluation with Aura OMI and MLS
William	Wandji Yamsi	FMI	Ten years of OMI surface UV: seasonal variability in local-noon UV Index and the main contributing factors behind it
Eun-Su	Yang	GSFC	A new O ₂ -O ₂ cloud algorithm: An approach and case study
Kai	Yang	UMCP	Improving OMI Sulfur Dioxide (SO ₂) Measurements: Lessons Learned from SNPP OMPS
Jian	Zeng	GSFC	Optimal Inter-Comparison of OMI L2G Products and MERRA-2 Aerosol Reanalysis