Working Group Meeting for Space Lidar Winds
https://winds-lidar-group.larc.nasa.gov/
Meeting Agenda
Rev: 7/09/2019

Day 1 -- July 10 -- NIA Room 101

Start Time	8:30AM	8	30				
	Paper #	**Code**	**Min**	**Session Title**	**Session Chair Full Name**	**Speaker**	**Title**
8:30AM	A-0	I	30	Agency Perspectives	Upendra Singh & Mike Hardesty	Upendra Singh & Mike Hardesty	Meeting Welcome
						David Throckmorton, NIA	National Institute of Aerospace Welcome
						Stephen Horan	Logistics
9:00AM	A-1	I	15	Agency Perspectives	Upendra Singh & Mike Hardesty	Jill Marlowe, NASA LaRC	LaRC Welcome
9:15AM	A-2	I	5	Agency Perspectives	Upendra Singh & Mike Hardesty	Dave Young, NASA LaRC	Introduce Sandra Cauffman
9:20AM	A-3	I	45	Agency Perspectives	Upendra Singh & Mike Hardesty	Sandra Cauffman, NASA HQ	Earth Science Overview
10:05AM	A-4	I	5		Upendra Singh & Sandra Cauffman	International Laser-Radar Lifetime Achievement Award	
10:10AM	A-4	C	20	Agency Perspectives	Upendra Singh & Mike Hardesty	Gail Skofronick-Jackson, NASA HQ	Winds for NASA HQ's Weather Focus Area
10:30AM	A-5	C	20	Agency Perspectives	Upendra Singh & Mike Hardesty	NOAA HQ Person	NOAA Perspective
10:50AM	COFFEE	CB	20	Group Photo -- NIA Lobby			
11:10AM	S1-1	C	20	Aeolus: Session 1		Denny Wernham	The Aladin instrument performance in-orbit so far…
11:30AM	S1-2	C	20	Aeolus: Session 1		Oliver Reitebuch	Initial assessment of the performance of the first wind LIDAR in space on Aeolus
11:50AM	S1-3	C	20	Aeolus: Session 1		Kristopher Bedka	Initial Wind, Aerosol, and Water Vapor Lidar Profile Data From the NASA Aeolus Cal/Val Test Flight Campaign
12:10PM	S1-4	C	20	Aeolus: Session 1		Benjamin Witschas	First results from two airborne campaigns over Europe in order to calibrate and validate Sea's Aeolus Wind Lidar mission
12:30PM	Lunch	LB	60				
1:30PM	D-1	I	30	Discussion #1: Science Goals & Technology for Future Missions			Open Discussion

2:00PM	S2-1	C	20	Space-Based Winds: Looking Ahead		Ad Stoffelen	Physical, dynamical and application aspect of the connection between Ocean Vector and Doppler Wind Lidar winds
2:20PM	S2-2	C	20	Space-Based Winds: Looking Ahead		Lisa Bucci	Idealized Space-Based Doppler Wind Lidar in a Hurricane OSSE
2:40PM	S2-3	C	20	Space-Based Winds: Looking Ahead		Michael Kavaya	Coherent wind LIDAR technology at Langley
3:00PM	S2-4	C	20	Space-Based Winds: Looking Ahead		Sara Tucker	A systems engineering look at space-based atmospheric winds missions
3:20PM	Coffee	CB	20				
3:40PM	S3-1	C	20	Field Studies		Zhaoxia Pu	Assimilation of Doppler Wind Lidar (DWL) wind profiles for improved severe weather forecasts
4:00PM	S3-2	C	20	Filed Studies		Sydney Wood	NOAA P3DWL Investigations of Hurricanes Maria and Lane: Implications for Space-Based DWLs
4:20PM	S3-3	C	20	Field Studies		G. David Emmitt	Near-Surface Wind Retrievals Within the NABL and Spray Zone by DAWN
4:40PM		I	20	End of Day Discussion and Wrap-up		Upendra Singh & Mike Hardesty	Open Discussion
5:00PM	END	E	0				

Group Dinner at Aago Indian/Nepalese Restaurant, Newport News, VA
$25 prix fixe menu
Start Time: 7:00 pm

Day 2 -- July 11 -- NIA Room 101

Start Time	8:25AM	8	25				
	Paper #	**Code**	**Min**	**Session Title**	**Session Chair Full Name**	**Speaker**	**Title**
8:25AM		I	5			Upendra & Mike	Morning Announcements
8:30AM		I	15	Review of Day 1 and Objectives for Day 2	Upendra Singh & Mike Hardesty		Open Discussion
8:45AM	S4-1	C	20	Aeolis: Session 2		Mike Rennie	Model Validation of Aeolus
9:05AM	S4-2	C	20	Aeolus : Session 2		Kevin Garrett	NOAA 3D-winds assessment: Preliminary results from ADM-Aeolus
9:25AM	S4-3	C	20	Aeolus : Session 2		Mike Rennie	Aeolus Impact
9:45AM	S4-4	C	20	Aeolus : Session 2		Will McCarty	Status of Aeolus Assimilation at the GMAO

10:05AM	S4-5	C	20	Aeolus : Session 2		Steven Greco	Preliminary Comparisons of DAWN, Dropsondes, and Aeolus Wind Observations
10:25AM	COFFEE	CB	20				
10:45AM	D-2	I	20	Discussion #2: Lessons Learned form Aeolus	Upendra Singh & Mike Hardesty		Open Discussion
11:05AM	D-3	I	20	Discussion #3: What Needs to Be Done for a Future US Mission?	Mike Hardesty & Upendra Singh		Open Discussion
11:25AM	LUNCH	LB	60				
12:25PM	S5-1	C	20	Mars Measurements		Patrick Burns	Single frequency laser development for Mars Wind Lidar
12:45PM	S5-2	C	20	Mars Measurements		Floyd Hovis	MARLI – a Lidar for Wind and Aerosol Profile Measurements from Mars Orbit
1:05PM	S6-1	C	20	Passive Measurements		Hui Su	Quantitative Assessment of State-Dependent Atmospheric Motion Vector Uncertainties
1:25PM	S6-2	I	30	Passive Measurements		Kevin Maschhoff	MISTiC Winds-Airborne Demonstration
1:55PM	S6-3	I	30	Passive Measurements		Thomas Vandal	Estimating Optical Flows in Satellite Imagery
2:25PM	COFFEE	CB	20				
2:45PM	S6-4	C	20	Passive Measurements		Dong Wu	New AMV wind and height measurements from stereoscopic views with MODIS-GOES and MISR-GOES imagery
3:05PM	S6-5	C	20	Passive Measurements		Jason Apke	Performance and Applications of Dense Optical Flow Algorithms Derived From Next-Generation Geostationary Satellite Imagery
3:25PM	D-4	I	20	Discussion #4: Active/Passive Synergisms: Is It Worth Pursuing?			Open Discussion
3:45PM	D-5	I	20	Final Discussion: Wrap-up, Action Items, Next Meeting	Upendra Singh & Mike Hardesty		Open Discussion
4:05PM	END	E	0				
						Virtual Presentation	