



**AGENDA 2021 AEOLUS NWP IMPACT AND L2B PRODUCT QUALITY
WORKING MEETING
ON-LINE, WEBEX
1 AND 3 DECEMBER 2021**

Day 1: Aeolus L2B product quality meeting

When	Who	What/Title
1 December 2020, 12:00 – 17:30 CET		
12:00 – 13:00	Welcome and Reporting by the DISC Convenors: J. von Bismarck, A.G. Straume	
12:00 - 12:15	T. Parrinello	Welcome and Aeolus mission status
12:15 - 12:26 8 + 3 min	M. Rennie	NRT L2B data quality monitoring
12:26 - 12:37 8 + 3 min	S. Abdalla	L2B data quality of 2nd reprocessed dataset
12:37 - 12:48 8 + 3 min	J. de Kloe	L2B processor evolution
12:48 - 12:59 8 + 3 min	G.-J. Marseille	NWP calibration applied to Aeolus Mie channel winds
13:00 – 14:00	Reporting by Aeolus L2B product CAL/VAL teams – part I Convenors: S. Kaykin and A. Geiss	
13:00 – 13:15 10 + 5 min	M. Borne	Validation of Aeolus wind measurements on Cape Verde using radiosondes
13:15 – 13:30 10 + 5 min	Q. Cazenave	Assessment of Aeolus L2B products with the LATMOS RALI airborne platform
13:30 – 13:45 10 + 5 min	M. Ratynski	Validation using Rayleigh Doppler lidar at La Reunion island
13:45 – 14:00 10 + 5 min	A. Kottayil	Validation over a tropical location using 205 MHz wind profiler radar
14:00 – 14:30	Coffee	

14:30 – 16:00	Reporting by Aeolus L2B product CAL/VAL teams – part II Convenors: I. Krish and S. Bley	
14:30 – 14:45 10 + 5 min	H. Shin	Inter-comparison of wind vectors derived from geostationary satellites with the Aeolus
14:45 – 15:00 10 + 5 min	H. Baars	Validation at Punta Arenas using scanning Doppler cloud radar and radio soundings
15:00 – 15:15 10 + 5 min	A. Geiss	Long-term validation of the Aeolus L2B product above Germany
15:15 – 15:30 10 + 5 min	H. Zuo	Triple collocation with ERA5, Aeolus and the wind radar network over Australia
15:30 – 15:45 10 + 5 min	S. Wu	Inter-comparison of wind measurements in the atmospheric boundary layer
15:45 – 16:00 10 + 5 min	H. Liu	Impact of Uncertainty in NWP Background T/P on L2B Retrieval of Rayleigh Winds
16:00 – 16:30	Coffee Break and preparation of next session	
16:30 – 17:30	Product quality discussion and meeting wrap-up Convenors: S. Bley, A. Geiss, S. Khaykin, I. Krisch	
16:30 – 16:40	S. Bley	Cal/Val Synthesis
16:40 – 17:25	Convenors and all	Plenary discussion L2B data quality (See seed questions on meeting website)
17:25 – 17:30	J. von Bismarck, T. Parrinello	Meeting wrap-up

Day 2: Aeolus NWP impact meeting

When	Who	What/Title
3 December 2020, 12:00 – 17:30 CET		
12:00 – 13:00	Welcome and Reporting by operational global NWP centres Convenors: A.G. Straume and J. von Bismarck	
12:00 - 12:15	T. Parrinello	Welcome and Aeolus mission status repeat in brief
12:15 - 12:30	M. Rennie (ECMWF)	An Update on the Impact of Aeolus HLOS Winds in Numerical Weather Prediction at ECMWF
12:30 - 12:45	A. Cress (DWD)	Validation and Impact assessment of Aeolus Doppler Wind Lidar Observations at the German Weather Service
12:45 – 13:00	I. Seck (Météo-France)	Separate the contributions from the Rayleigh and Mie channels of the Aeolus HLOS winds in the Météo France global NWP model
13:00 – 13:15	Coffee	
13:15 – 14:00	Reporting by operational global NWP centres – continued Convenors: J.-F. Mahfouf and A. Stoffelen	
13:15 – 13:30	G. Halloran (UK MetOffice)	Operational impact and quality assessment of L2B HLOS winds from Aeolus at the Met Office
13:30 – 13:45	S. Dutta (NCMRWF)	Assessment of Aeolus HLOS Winds using NCMRWF Global Forecast System
13:45 – 14:00	S. Kumar (NCMRWF)	Multi-year impact of Aeolus HLOS wind in a global NWP system
14:00 – 14:15	Further impact assessment of Aeolus L2B winds in global and regional NWP Convenors: J.-F. Mahfouf and A. Stoffelen	
14:00 – 14:15	S. Laroche (ECCC)	Impact of the Aeolus L2B HLOS winds in the ECCC global forecast system
14:15 – 14:30	Coffee	

14:30 – 15:15	Further impact assessment of Aeolus L2B winds in global and regional NWP - continued Convenors: M. Rennie and S. Laroche	
14:30 – 14:45	H.W. Chun (KMA)	Impact of Aeolus HLOS winds in the Korean global model KIM
14:45 – 15:00	H. Liu (NOAA)	Impact of Aeolus Winds on NOAA Global Forecast of 2019 Winter Storms over the US
15:00 – 15:15	S. Hagelin (SMHI)	Impact of Aeolus L2B winds in the regional model Harmonie-Arome
15:15 – 15:30	Coffee Break	
15:30 – 16:15	Aeolus L2B winds related research of relevance to or using NWP Convenors: M. Rennie and S. Laroche	
15:30 – 15:45	N. Žagar (Uni. Hamburg)	Tropical analysis and forecast uncertainties and Kelvin waves: what can be learnt from the Aeolus wind profiles?
15:45 – 16:00	T. Banyard (Uni. Bath)	The 2019/2020 QBO Disruption in Aeolus Wind Lidar Observations
16:00 – 16:15	M. Borne (KIT)	The influence of Aeolus wind measurements on the representation of the West African monsoon
16:15 – 16:30	Coffee Break	
16:30 – 17:30	Plenary discussion on NWP impact and Aeolus-2 Meeting wrap-up Convenors: J.-F. Mahfouf, M. Rennie, A. Stoffelen	
16:40 – 17:25	Convenors and all	Plenary discussion with seed questions
17:25 – 17:30	A.G. Straume, T. Parrinello	Meeting wrap-up