

ADM-Aeolus CAL/VAL Rehearsal Workshop Programme

Tuesday 28 March 10:00 – Thursday 30 March 13:00

When	Who	What / Title
Tuesday 28 March		
8:30 – 10:00	Workshop registration and coffee	
Opening session (Chairs: A. Stoffelen and A. G. Straume)		
10:00	H. Laur (ESA-ESRIN)	Welcome + ESA's Earth Explorer missions and their CAL/VAL
10:15	M. Pontaud (MétéoFrance)	Welcome and MétéoFrance EO activities
10:30	P. Tabary (CNES)	CNES EO activities
10:45	E. Källén (ECMWF)	Scientific motivation for ADM-Aeolus
11:05	A. Elfving (ESA-ESTEC)	Aeolus Mission Overview and Status
11:25	J. Lochard (ADS)	The ALADIN instrument and its on-ground performance testing
11:45	J. Brewster (ADS)	The Aeolus mission in orbit commissioning and validation
12:05	F. de Bruin (ESA-ESTEC)	Overall Aeolus Commissioning Phase Planning
12:20	O. Reitebuch (DLR) and A. Dabas (MeteoFrance)	Aeolus L1 data processing and instrument calibration
12:40	M. Rennie (ECMWF), J. de Kloe (KNMI) and G.J. Marseille (KNMI)	Aeolus L2B/C wind product processing, quality control and NWP monitoring at ECMWF
13:00	Lunch	
14:00	P. Martinet (MeteoFrance) and A. Benedetti (ECMWF)	Aeolus L2A optical properties product and assimilation in air quality models
ESA Data distribution, Data quality, Tools and CAL/VAL Rehearsal (Chairs: A. Benedetti and T. Kanitz)		
14:20	F. Buscaglione (ESA-ESRIN)	Aeolus On-Ground Data Processing Facility and Data Distribution
14:40	J. von Bismarck (ESA-ESRIN)	Organisation of ESA's In-orbit Data Quality Activities for ADM-Aeolus
15:00	S. Niemeijer (S&T)	Aeolus data reading and plotting tools CODA and BEAT
15:15	G. Costa (ESA-ESRIN)	Aeolus VirEs data browsing and plotting tool
15:30	A.M. Fjaeraa (NILU)	ESA's atmospheric Validation Data Centre (EVDC)
15:45	D. Schuettmeyer (ESA-ESTEC)	Aeolus Campaigns Planning
16:00 – 16:30	Coffee and Poster Session	
16:30 - 16:40	M. Pinol Sole (ESA-ESTEC)	Calculation of Zone Overpass Tables - Desktop Applications & Tools
16:40 – 18:00	Chairs: F. Buscaglione and I. Di Lodovico	Assessment of Aeolus CAL/VAL Rehearsal - Testing downloading and reading Aeolus test datasets
18:00 – 20:00	Ice Breaker and Poster Session	

When	Who	What
Wednesday 29 March		
Aeolus Operational Phase and CAL/VAL AO Proposal overview (Chairs: S. Melo and J. von Bismarck)		
08:30	W. Lengert (ESA-ESRIN)	The Aeolus Operational Phase
09:00	A. Dabas (MeteoFrance)	Contribution of French research teams to ADM Cal/Val: ground-based and airborne comparative experiments for optical and wind products
09:10	J. Pelon (IPSL)	LNG HRS airborne lidar contribution to Cal/Val for ADM-Aeolus
09:20	A. Apituley (KNMI)	Aeolus L2A aerosol and cloud product validation using the European Aerosol Research Lidar Network EARLINET
09:30	M. Hardesty (UoC / NOAA)	A US Effort for ADM/Aeolus Calibration and Validation
09:40	A. Apituley (KNMI)	Aeolus L2A/L2B aerosol, cloud and wind product validation using the Cabauw Experimental Site for Atmospheric Research CESAR
09:50	A. Stoffelen (KNMI)	VAAC - Validation of Aeolus by Atmospheric model Comparison
10:00	H. Schyberg (met.no)	High Resolution, High Latitude Regional Model Cal-Val of ADM-AEOLUS
10:10	M. Gausa (Andoyospace)	Airborne and Lidar Validation of ADM Aeolus at ALOMAR (ALIVO ALOMAR)
10:20	O. Reitebuch (DLR)	Experimental Validation of ADM-Aeolus with the Aladin Airborne Demonstrator (EVA4D)
10:30 – 11:00	Coffee and Poster Session	
Aeolus Operational Phase and CAL/VAL AO Proposal overview (cont.) (Chairs: M. Hardesty and D. Schuettemeyer)		
11:00	A. Cress (DWD)	Validation and impact assessment for ADM-Aeolus observations in the DWD Modelling system
11:10	U. Wandinger (Tropos)	Validation of ADM-Aeolus L2 aerosol and cloud product employing advanced ground-based lidar Measurements (VADAM)
11:20	S. Wu, X. Song (Ocean University of China)	Validation and Calibration of ADM-Aeolus using ground-based lidars
11:30	G.J. Fochesatto (University of Alaska Fairbanks)	Analysis of High Latitude PBL and Surface Winds in preparation for ADM-Aeolus Mission
11:40	M. Forsythe (MetOffice)	Validation of ADM-Aeolus Level 2 products by comparison with global NWP and in-situ flight data
11:50	S. Ishii (NICT)	Validation of wind data for the Atmospheric Dynamic Mission-Aeolus in Japan
12:00	S. Melo (Environment Canada)	National Participation of Environment Canada in CAL/VAL ADM-Aeolus
12:10	P. Kushner (UoT)	Validation of ADM/Aeolus winds by examination of their statistical characteristics, for hemispheric scales and for the Arctic region

12:20	H. R. Mohammadi Khalesi Fard (IASBS)	IASBS Remote Sensing Station and its Participation in ADM-Aeolus Cal/Val
12:30	A.G. Straume (ESA-ESTEC)	Aeolus CAL/VAL Implementation Plan
13:00 – 14:00	Lunch	
Splinter working groups		
14:00 – 15:30 (continuing Thursday morning)	Chair, secretary: A. O. Reitebuch, A. Straume B. A. Dabas, D. Schuettemeyer C. U. Wandinger, T. Kanitz D. H. Körnich, J. von Bismarck	A. Aeolus CAL/VAL Requirements review and CAL/VAL activity gap analysis B. Wind products: Protocols for the comparison of space-borne products with airborne and ground-based observations and models C. Aerosol/cloud products: Protocols for the comparison of space-borne products with airborne and ground-based observations and models D. Grouping of CAL/VAL activities according to scientific or technical themes
15:30 – 15:55	A. Hertzog (LMD)	Stratéole-2
16:00 – 18:30	Visit to CNES Balloon site	
20:00	Joint dinner at restaurant in Toulouse city centre (dinner tickets can be purchased during workshop registration)	

When	Who	What
Thursday 30 March		
08:30 – 10:30	Chair, secretary: see Wednesday PM	Summaries of Wednesday discussions will be distributed Splinter working groups A) – D) continued
10:30 – 11:30	Coffee, posters and discussions workshop participants	
10:30 - 11:30	Session and Panel chairs (closed meeting)	<ul style="list-style-type: none"> • Panel chairs and secretaries summarizing their WG discussions • Session chairs summarizing Q&A and discussions from Mo and Tue sessions
11:30 – 12:30	Panel A) – D) chairs Session chairs	Summary of Panel discussions Summary of sessions
12:30– 13:00	E. Källén, P. Tabary, and P. Ingmann	Workshop Wrap-up
13:00 – 14:00	Lunch	
14:00 – 15:30	Aeolus Mission Advisory Group meeting (closed meeting)	