

ADM-Aeolus CaIVal Rehearsal Workshop - Workshop Wrap-up

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Background - 1



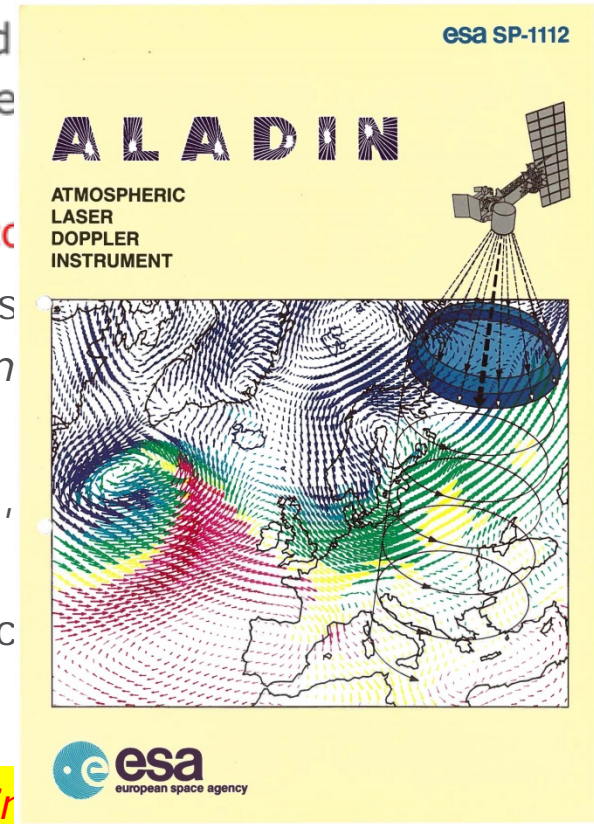
- **1989** – first ESA publication concerning a Doppler Wind Lidar (*ALADIN – Atmospheric Laser Doppler Instrument*); authors: P. Betout, D.M. Burridge, C. Werner) (ESA SP-1112)
 - **Inspired by US LAWS concept (wind vector, 10 μm coherent)**
- **1992** – two studies to test hypothesis whether Line-of-sight would do title: *Study of Preparation for the Use of Doppler Wind Lidar Information in Meteorological Assimilation Systems*
 1. P. Courtier, P. Gouthier, F. Rabier, P. Flamant, A. Dabas, F. Lieutaud, H. Renault (ESA-CR(P)-3453)
 2. A.C. Lorenc, R.J. Graham, I. Dharssi, B. Macpherson, N.B. Ingleby and R.W. Lunnon (ESA-CR(P)-3454)

Both studies concluded that with assimilation systems line-of-sight is sufficient

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Background - 2



- **1994** – User Consultation Meeting (ESTEC) – wind lidar mission recommended for further study (Pre-Phase 0) (ESA SP-1186)
- **1996** – User Consultation Meeting (Granada) ADM was recommended for Phase A study (ESA SP-1196(4)) – during Phase A major change: **incoherent, 355 nm**)
- **1999** – User Consultation Meeting (Granada) – ADM selected as second Earth Explorer Mission for implementation (after GOCE, ESA SP-1233(4))
- **2006** – ADM-Aeolus Workshop (ESTEC)
- **2007** – ADM-Aeolus CalVal Call with expected launch in 2008...
- **2014** – ADM-Aeolus 'Delta' CalVal Call

