

The background of the slide is a composite image. On the left, a portion of the Earth is visible, showing the continents of Europe and Africa in a dark blue color. Overlaid on the Earth's surface are numerous white arrows of varying lengths, representing wind vectors. To the right of the Earth, the Aeolus satellite is depicted in a 3D perspective. It has a central body with various instruments and two long, rectangular solar panel arrays extending outwards. A bright, purple and white beam of light is shown originating from the satellite and pointing towards the Earth's surface. The background of the entire slide is a deep space scene with a dark blue and purple nebula and several bright stars.

Seed questions for Aeolus L2B product quality working meeting 2021

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- Did you recognize differences in the L2B data quality (systematic and random errors) throughout the mission lifetime (FM-A, FM-B)?
- Does your analysis indicates improvements after M1 bias correction (all datasets after B09, including reprocessed)?
- Did you assess the quality of the reprocessed dataset B11 from June 2019 – October 2020?
- Have you noticed range-bin dependent, orbital phase, geographical, temporal wind biases?
- Enhanced orbital dependent biases found in March & October (likely due to increased solar background noise)
 - → Evidence also found in comparison to measurements?
- What is the spatial representativeness of Aeolus Rayleigh/Mie winds?
- Which QC filters have you used and did you change them during the mission?
- Have you compared the HLOS estimated error, provided in the product, to random errors (scaled MAD) found in your cal/val comparisons?
- Comparison to AMVs: Did you compare L2B Mie cloudy winds to AMVs for the special RBS period (November 2019)?

- Do you have recommendations for future operations (for upcoming reprocessing campaigns, scene classification in clear, cloudy)?
- Do you have recommendations for special range bin settings?
- Are there any ideas/needs/potential for L3 products (different grids, global maps/statistics)?
- Recommendations for Aeolus follow-on mission?