Seed questions for Aeolus L2B product quality working meeting 2021

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Questions related to L2B product quality

- 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 representativness 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)?

Recommendations for the future

- 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?