

Atmos. Meas. Tech. Discuss., author comment AC2
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Reply on RC2

Katherine E. Lukens et al.

Author comment on "Exploiting Aeolus Level-2B Winds to Better Characterize Atmospheric Motion Vector Bias and Uncertainty" by Katherine E. Lukens et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2021-277-AC2>, 2021

Thank you for making the point about AMV time scales.

We will add additional information on AMV time scales to the manuscript, and we plan to cite one or more of the following supporting references. Can you recommend any peer reviewed references that could be used?

De Smet, A., 2002: Operational AMV products derived with Meteosat-6 rapid-scan data. Proc. of the Sixth Int. Winds Workshop, Madison, WI, WMO, 179-185. Available online at <http://cimss.ssec.wisc.edu/iwwg/iww6/session4/deSmet.pdf>.

Schmetz, J., K. Holmlund, H.P. Roesli, and V. Levizzani, 2000: On the Use of Rapid Scans, Proceedings of the Fifth International Winds Workshop, Lorne, Australia, 28 February – 3 March 2000. EUM P28, Published by EUMETSAT, D-64295 Darmstadt, 227-234. Available online at http://cimss.ssec.wisc.edu/iwwg/iww5/S5-2_Schmetz-OnTheUse.pdf.

Velden, C., D. Stettner, and J. Daniels, 2000: Wind vector fields derived from GOES rapid scan imagery. Preprints, 10th Conf. on Satellite Meteorology, Long Beach, CA, Amer. Meteor. Soc., 20-23. Available online at https://ams.confex.com/ams/annual2000/techprogram/paper_5350.htm.

