

Interactive comment on “A study of polarimetric noise induced by satellite motion: Application to the 3MI and similar sensors” by Souichiro Hioki et al.

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We discovered after the submission that the figure captions are cut because of length limit. This correction provides the complete figure captions for the reviewer’s comment.

Figure 1. The fraction of pixels within the POLDER specification (dark blue) and the 3MI specification (black) in each bin of along-track Laplacian. The density histograms of the along-track Laplacian is presented on the top. The green horizontal line shows the fraction of 0.682, which corresponds to the fraction of data within 1σ of a normal distribution.

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Figure 2. The schematic diagram of the field-of-view by the (a) 3MI and (b) SGLI.. The black arrow shows the motion of satellite along the orbit, and the three position of the satellites along the track are shown to highlight asynchronous acquisition by the 3MI sensor.

Figure 3. Simulated clouds with the different power-law spectrum slope. (a) No correlation, (b) $-5/3$, and (c) -3.0 .

[Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-407, 2020.](#)

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