

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

Souichiro Hioki et al.

souichiro.hioki@univ-lille.fr

Received and published: 23 December 2020

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. Histogram of degree of linear polarization error with median (magenta line), the normal distribution with mean and sample standard deviation of all data (orange), and the normal distribution with mean and sample standard deviation between 5th and 95th percentiles (green). The green bar on the bottom shows the range between 5th and 95th percentiles.

C1

Figure 2. Histogram of polarized normalized radiance error with median (magenta line), the normal distribution with mean and sample standard deviation of all data (orange), and the normal distribution with mean and sample standard deviation between 5th and 95th percentiles (green). The green bar on the bottom shows the range between 5th and 95th percentiles.

Figure 3. 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.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-407, 2020.

C2