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This article [*J. Astron. Telesc. Instrum. Syst.* **4**(4), 049006 (2018), doi: [10.1117/1.JATIS.4.4.049006](https://doi.org/10.1117/1.JATIS.4.4.049006)] was originally published online with an error in Eq. 39.

The equation originally appeared as

$$P_{k|k} = (\mathbb{I} - K_k H_k) P_{k|k-1}^{-1}.$$

The matrix inverse has been removed and now appears as

$$P_{k|k} = (\mathbb{I} - K_k H_k) P_{k|k-1}.$$

All online versions of the article were corrected on 29 January 2019.