Supplement of

Geostationary Environment Monitoring Spectrometer (GEMS) polarization characteristics and correction algorithm

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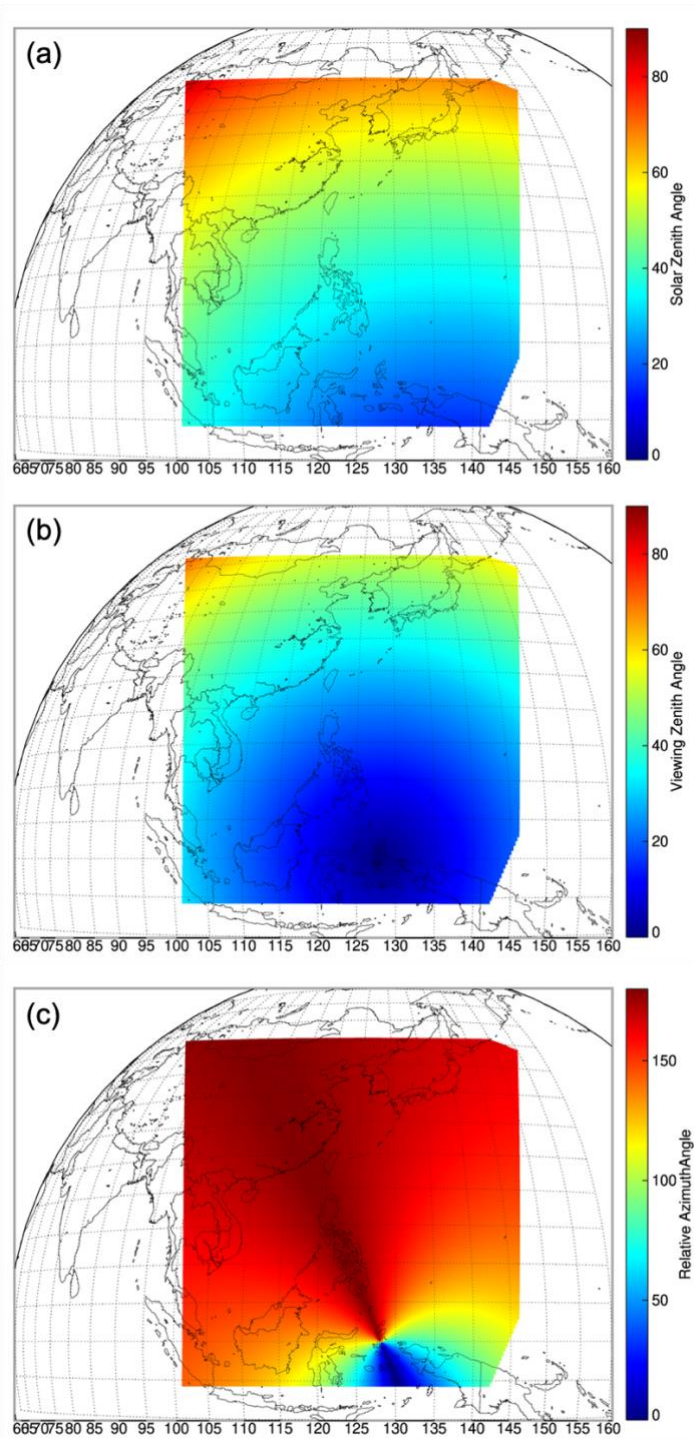


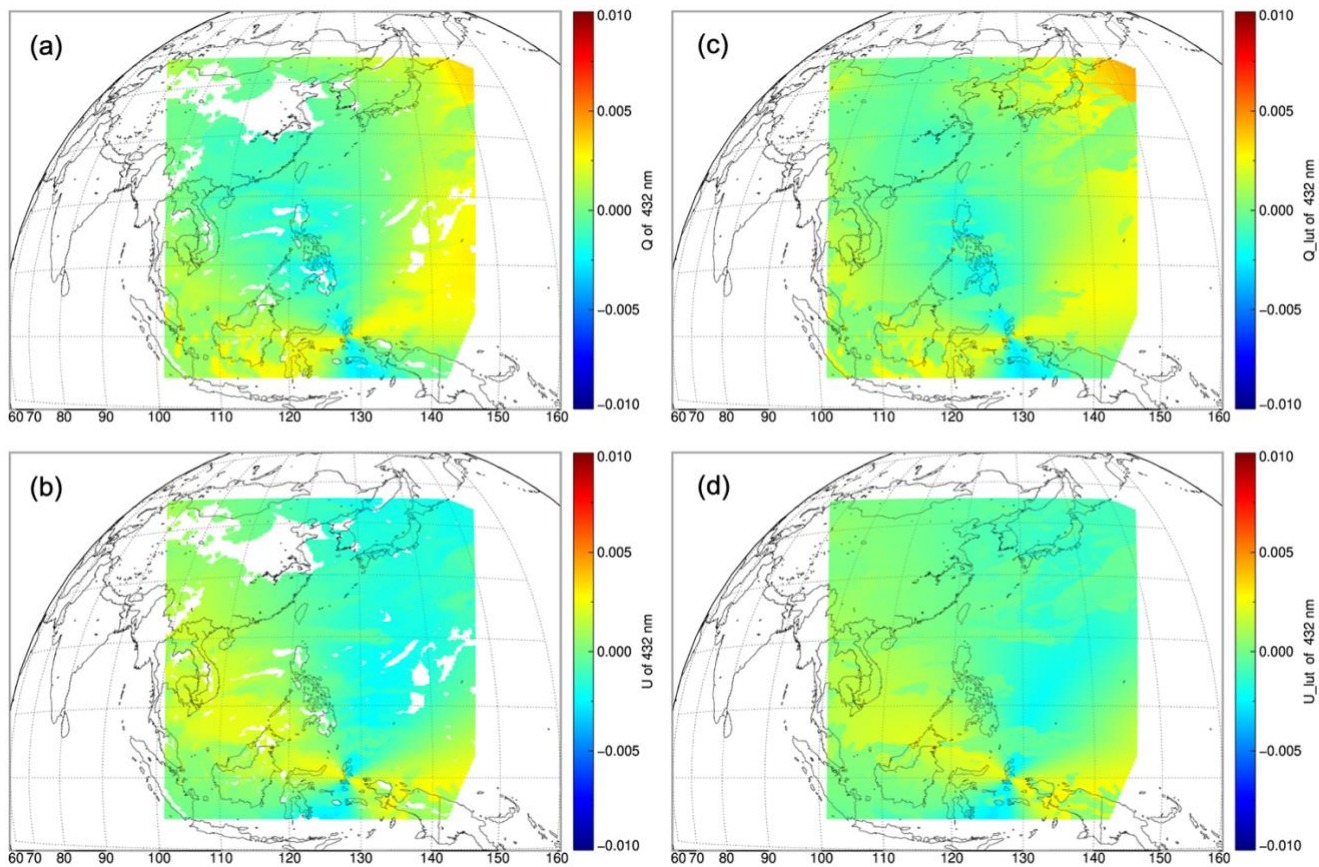
Figure S1: The satellite-sun geometry for (a) solar zenith angle (SZA), viewing zenith angle (VZA), and relative azimuth angle (RAA) to simulate the synthetic data. The synthetic data was simulated for the January 15, 2016 at 03:00 UTC.

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Figure S2: Comparison of spatial distributions of Q and U at 432 nm (a, b) simulated by a radiative transfer model (RTM) for synthetic data with those (c, d) estimated based on look-up tables (LUTs) as described in the main manuscript.