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Supplement of

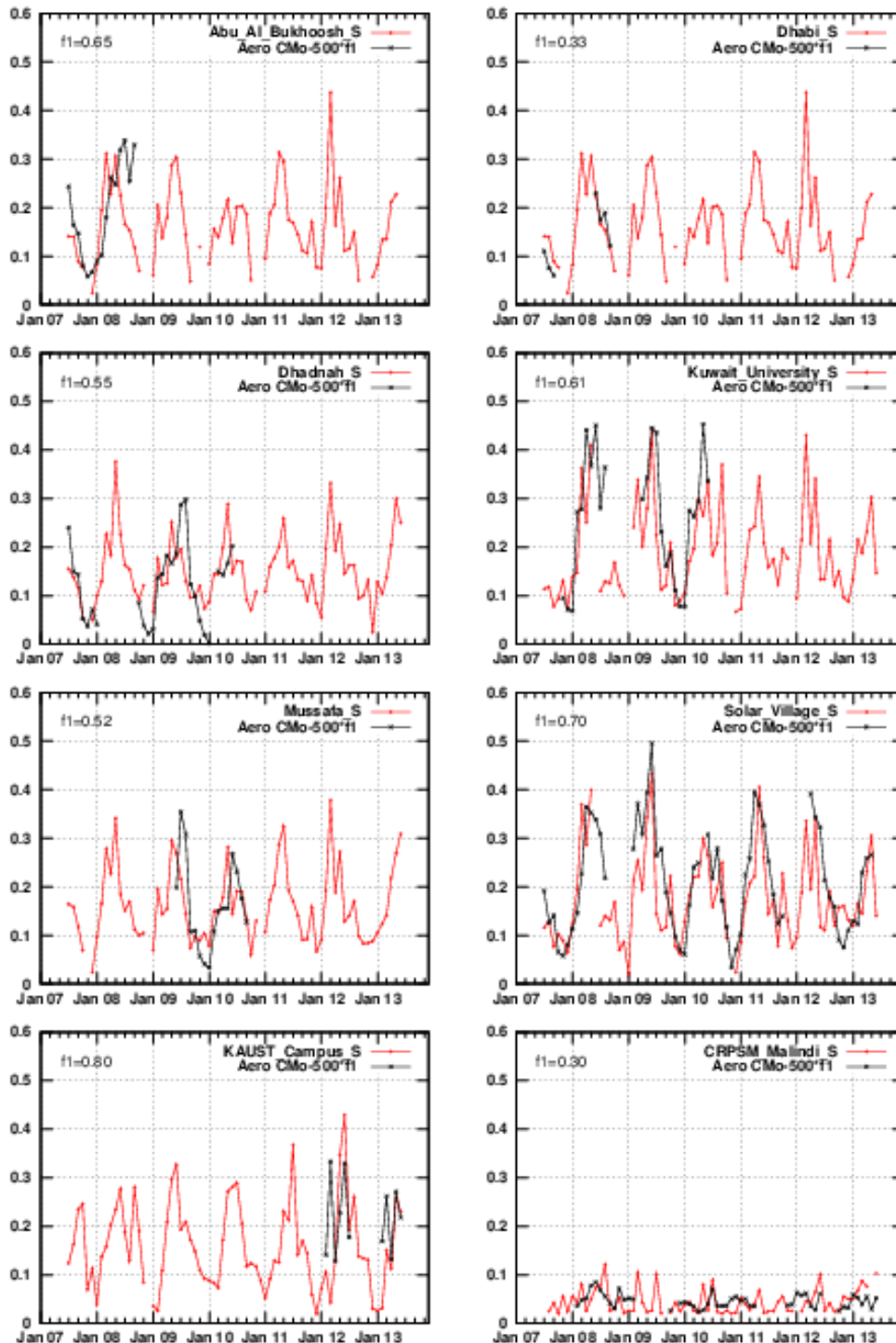
Evaluation of IASI-derived dust aerosol characteristics over the tropical belt

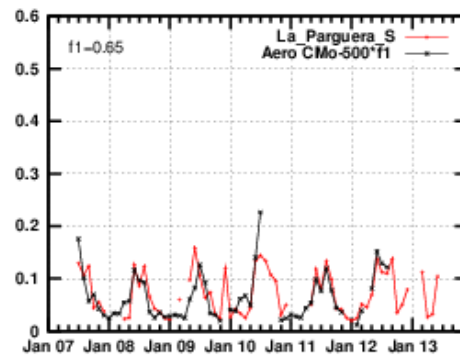
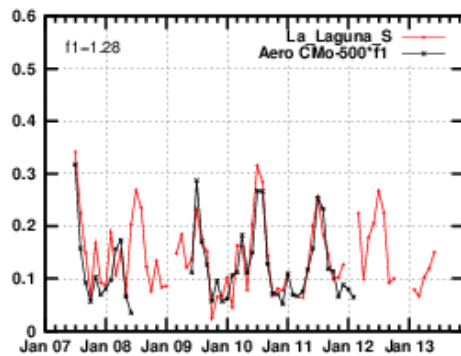
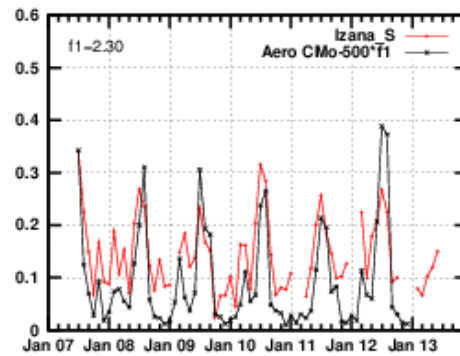
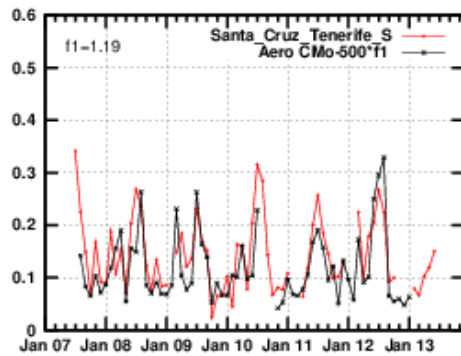
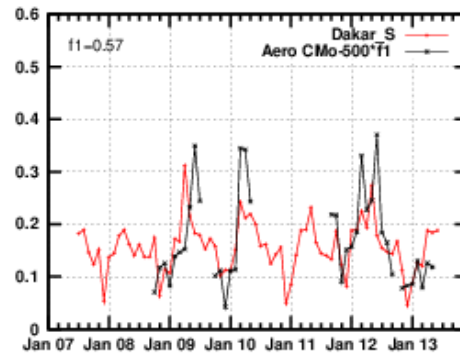
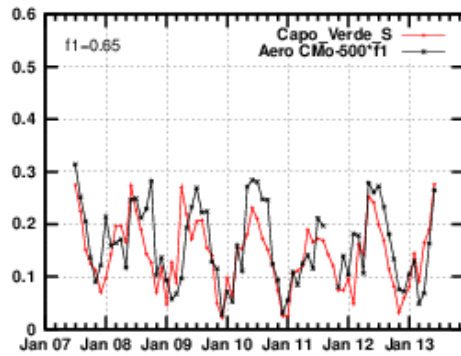
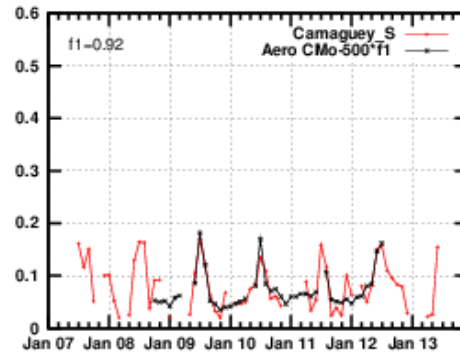
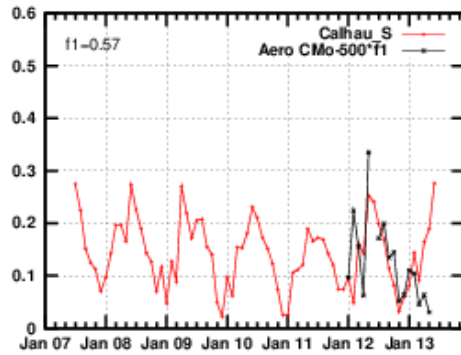
V. Capelle et al.

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Supplementary Material

Paper title: "Evaluation of IASI derived dust aerosols characteristics over the tropical belt" by V. Capelle et al. (2013).





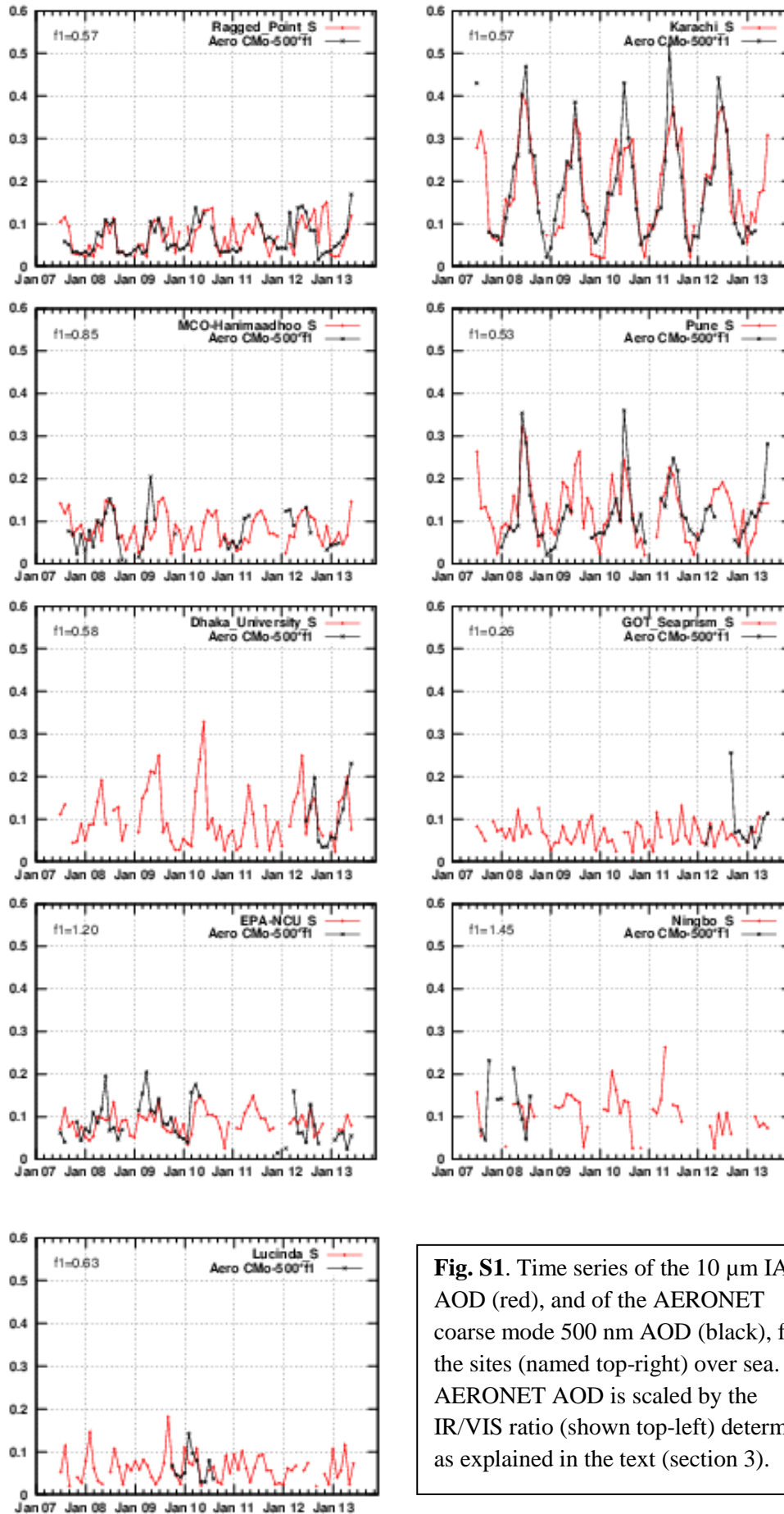
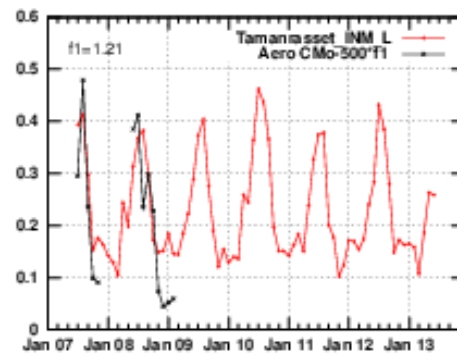
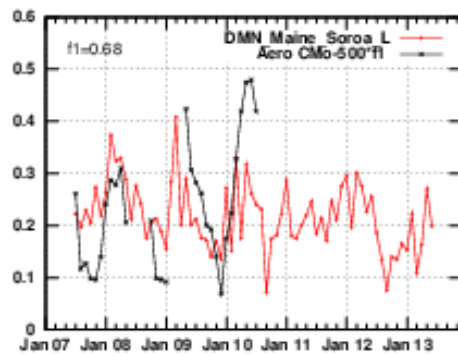
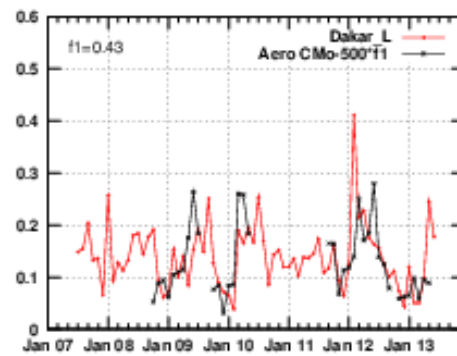
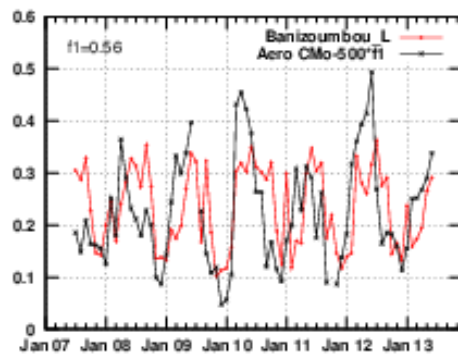
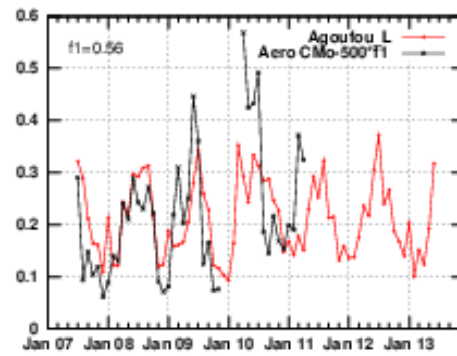
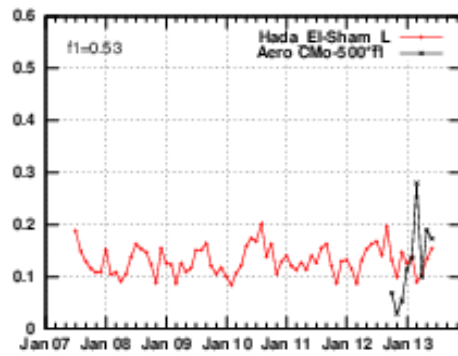
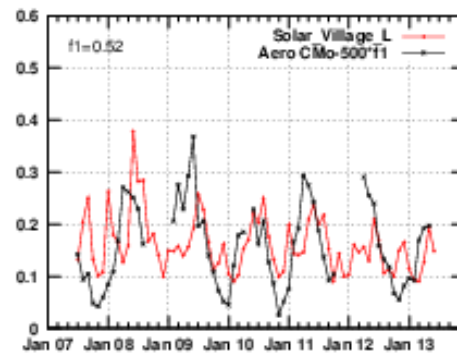
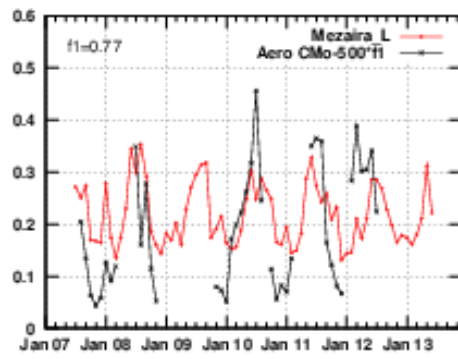


Fig. S1. Time series of the 10 μm IASI AOD (red), and of the AERONET coarse mode 500 nm AOD (black), for the sites (named top-right) over sea. AERONET AOD is scaled by the IR/VIS ratio (shown top-left) determined as explained in the text (section 3).



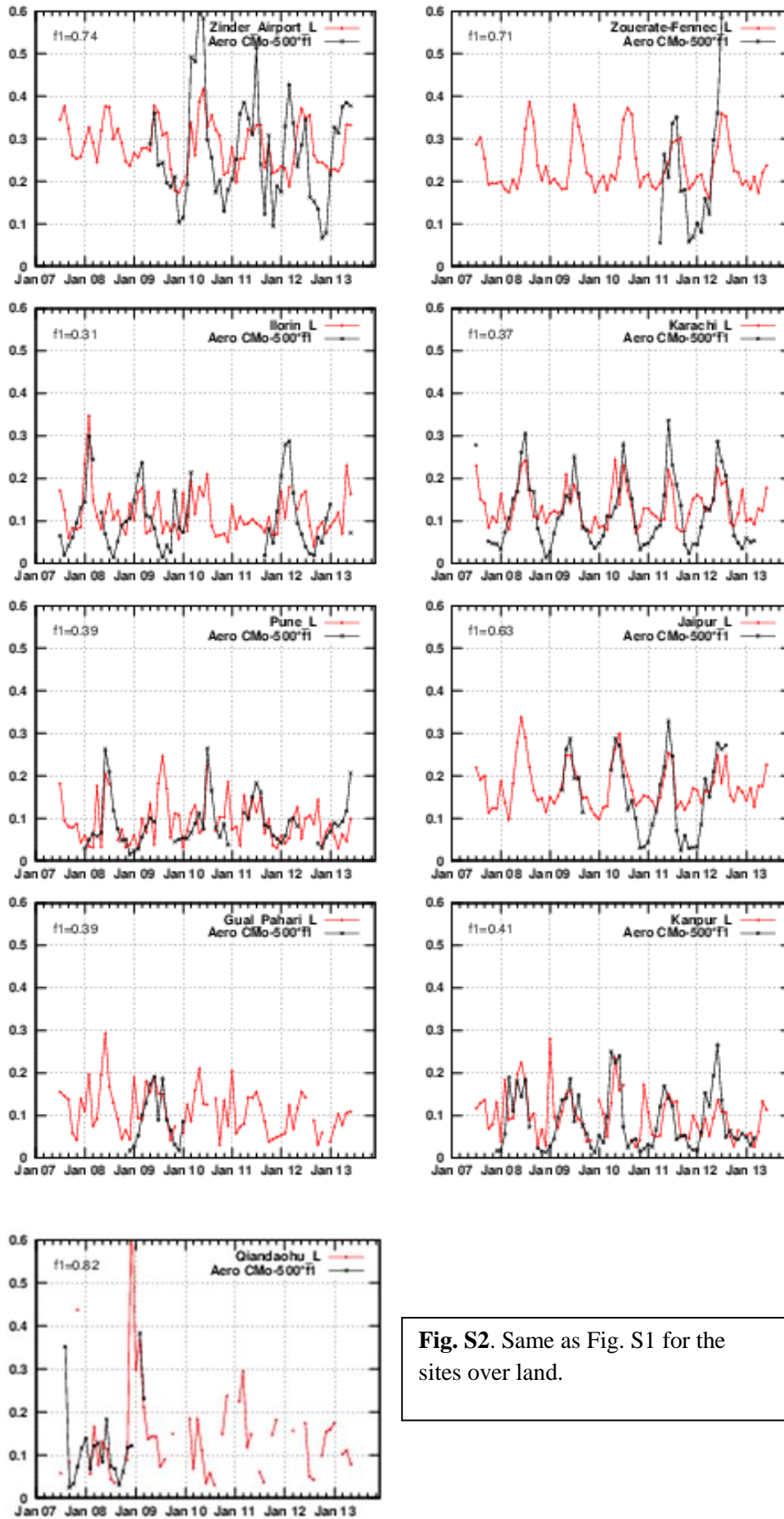


Fig. S2. Same as Fig. S1 for the sites over land.

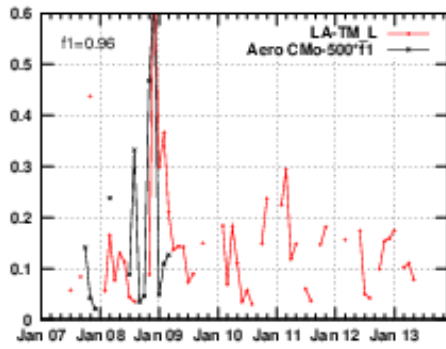
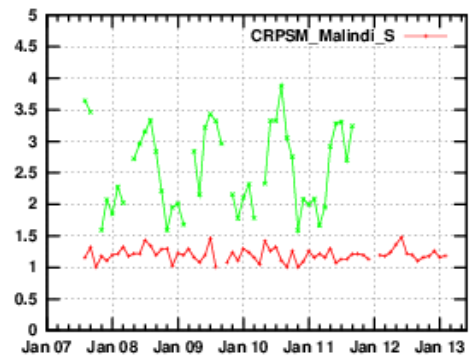
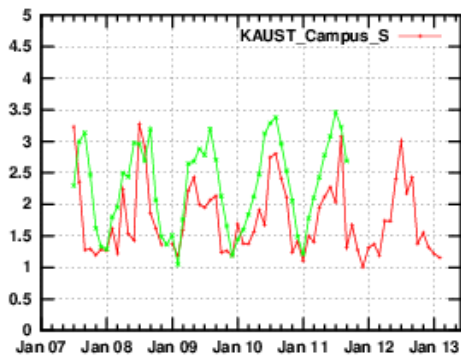
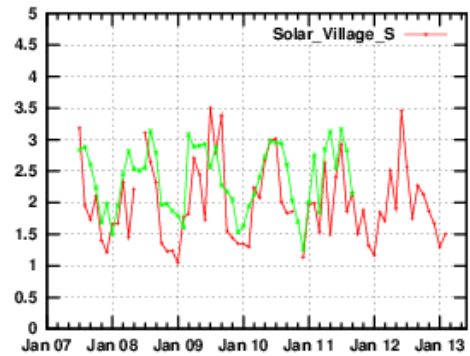
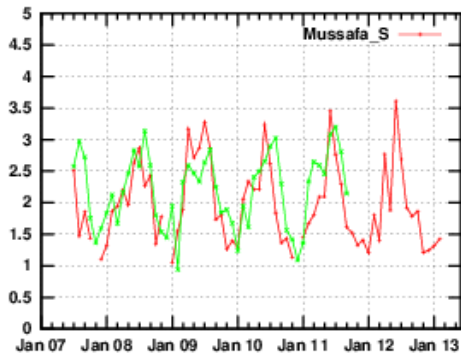
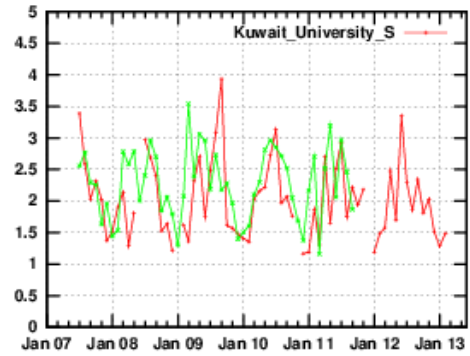
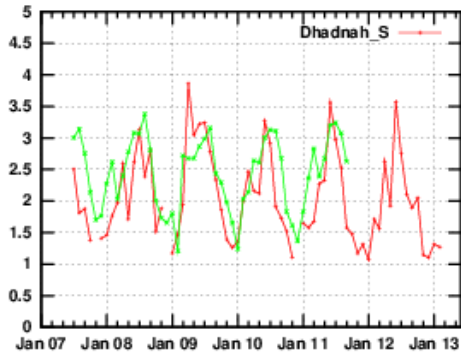
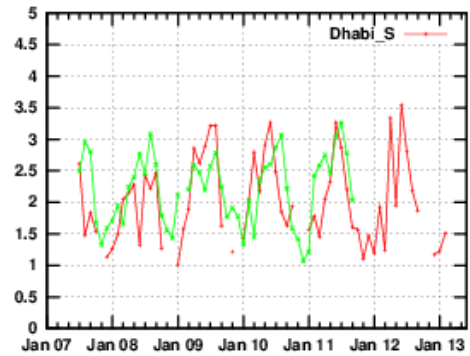
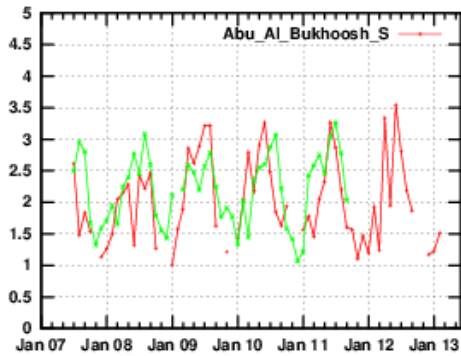


Fig. S3. Same as Fig. S1 for the site of LA_TM close to the site of Qiandoahu. Note the strong event in December 2008 seen by both IASI and AERONET.



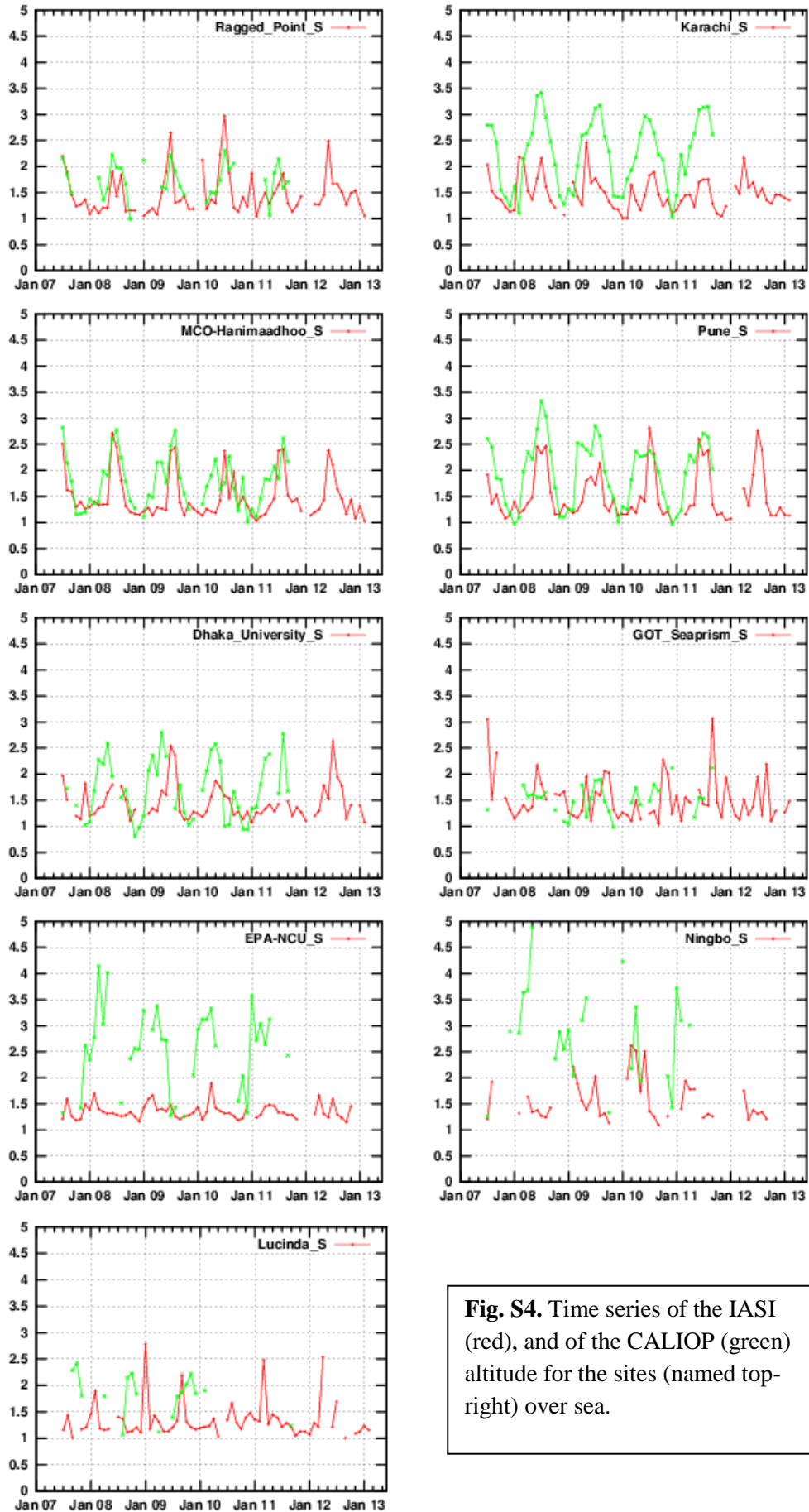


Fig. S4. Time series of the IASI (red), and of the CALIOP (green) altitude for the sites (named top-right) over sea.