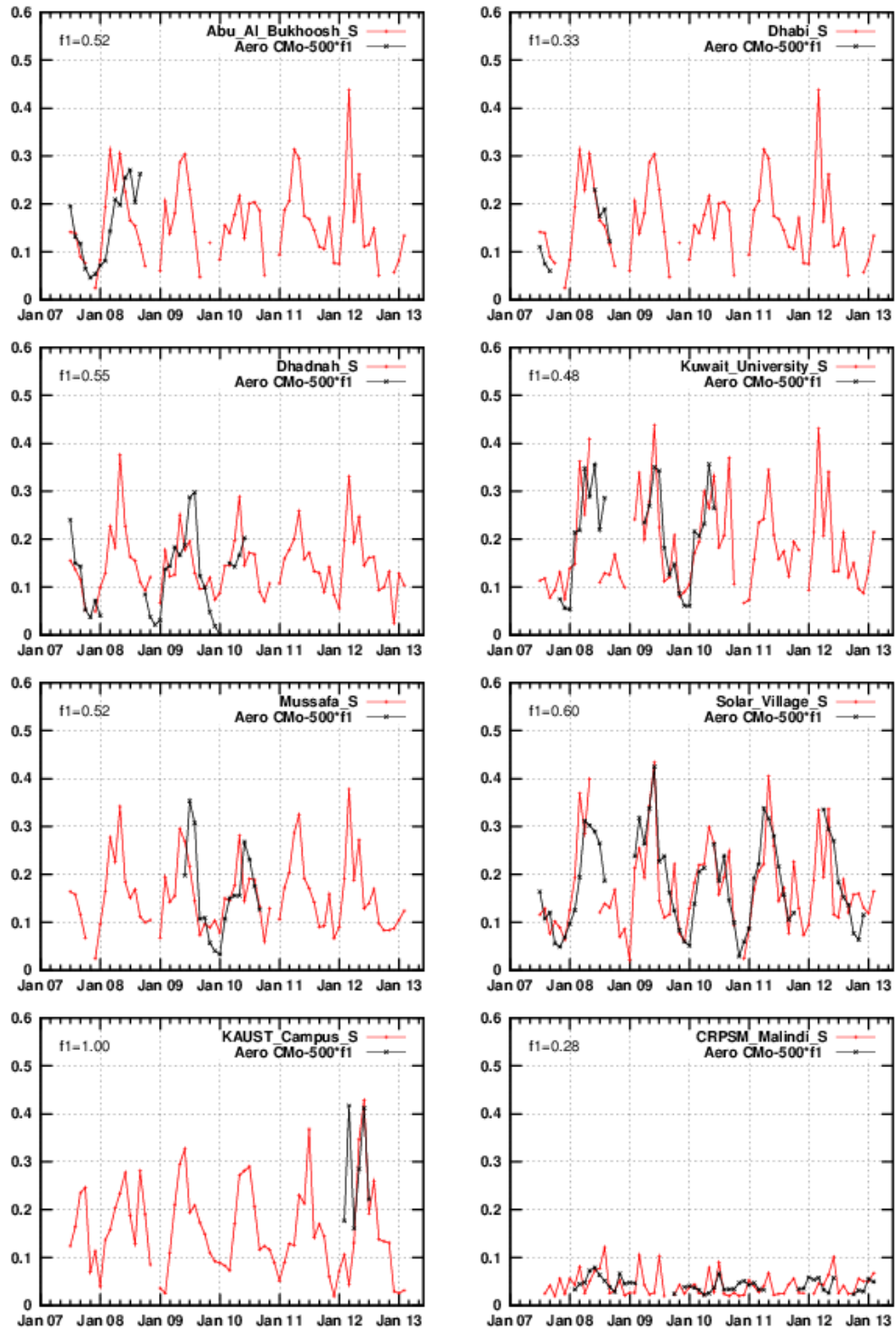
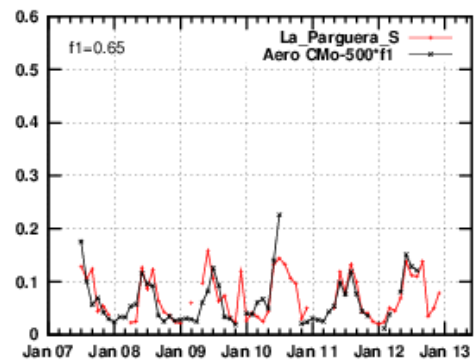
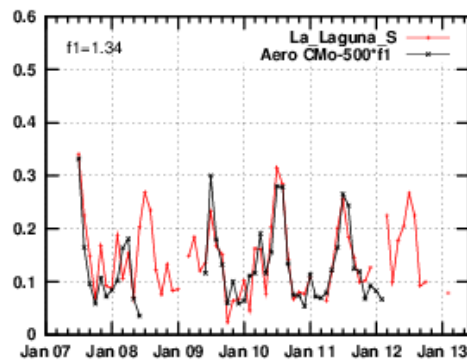
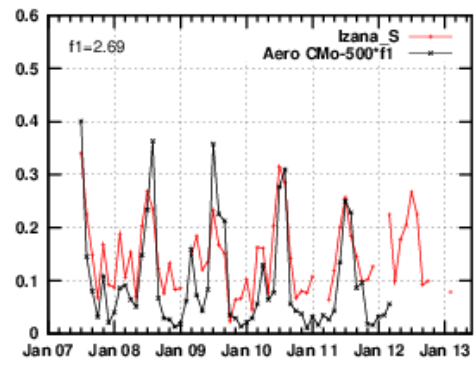
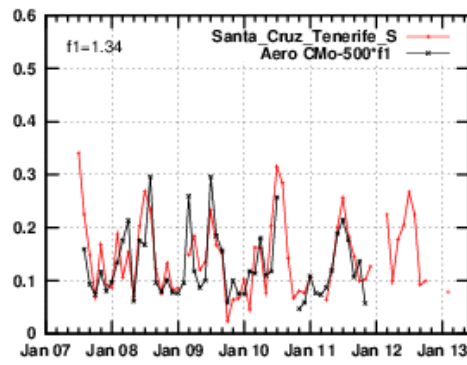
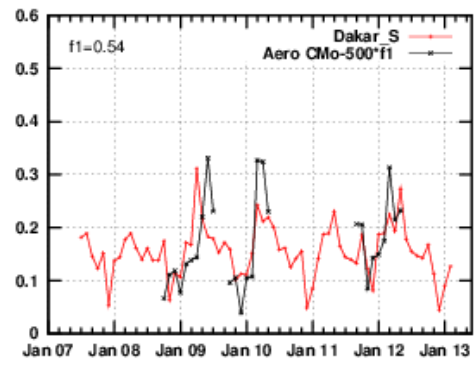
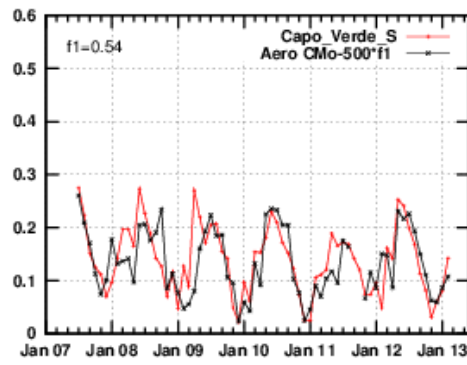
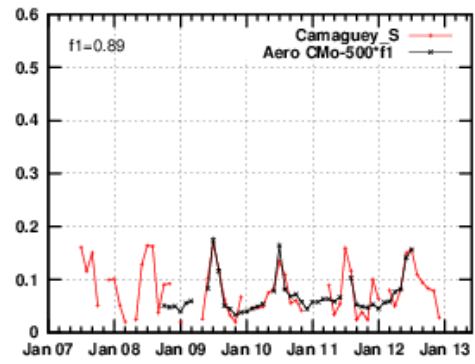
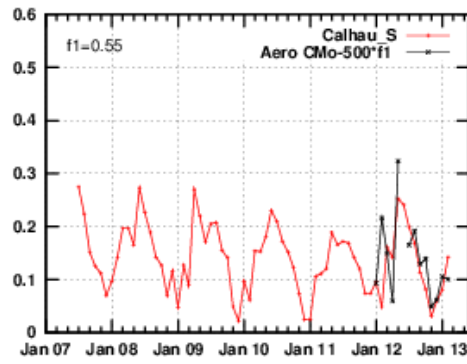
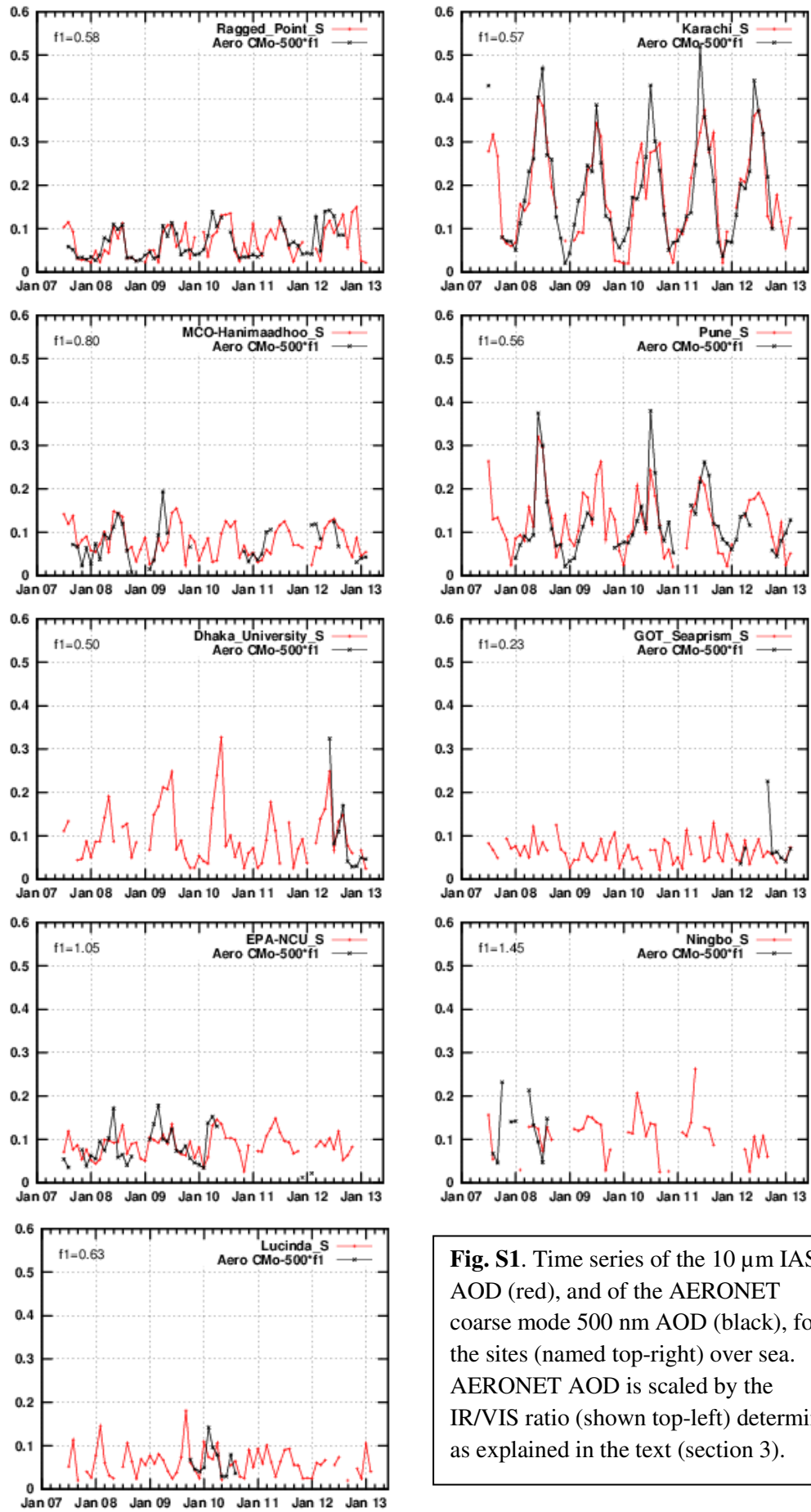


## Supplementary Material

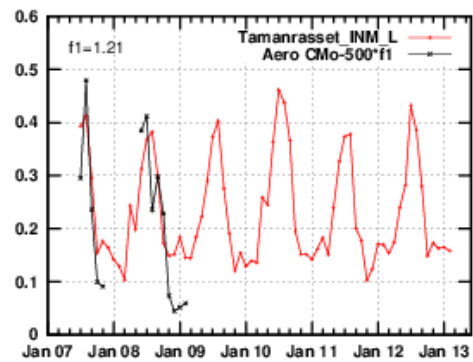
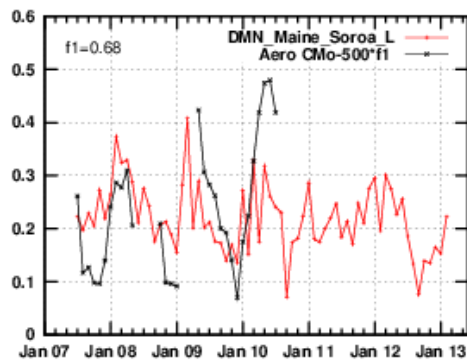
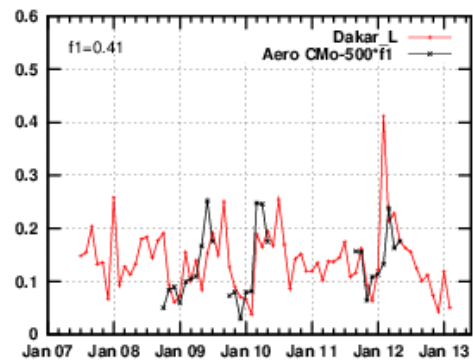
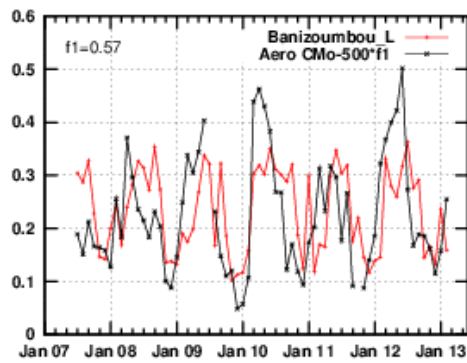
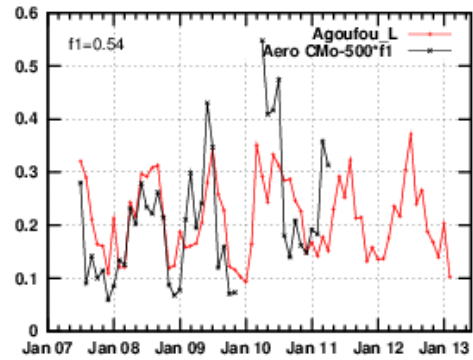
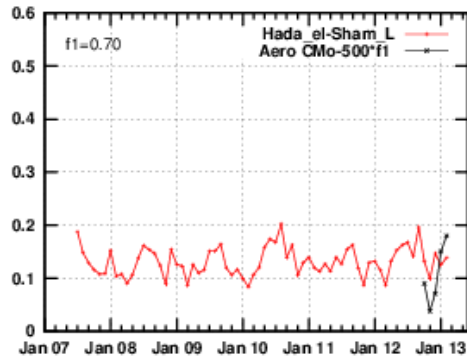
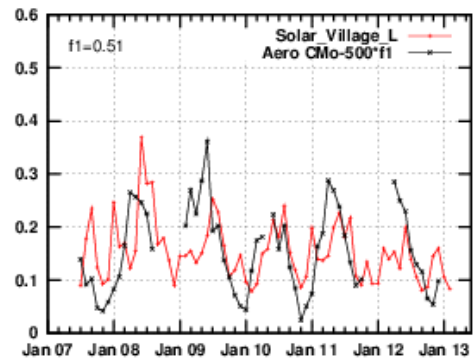
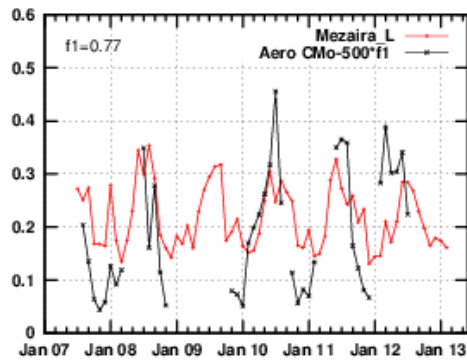
Paper title: “Evaluation of IASI derived dust aerosols characteristics over the tropical belt” by V. Capelle et al. (2013).

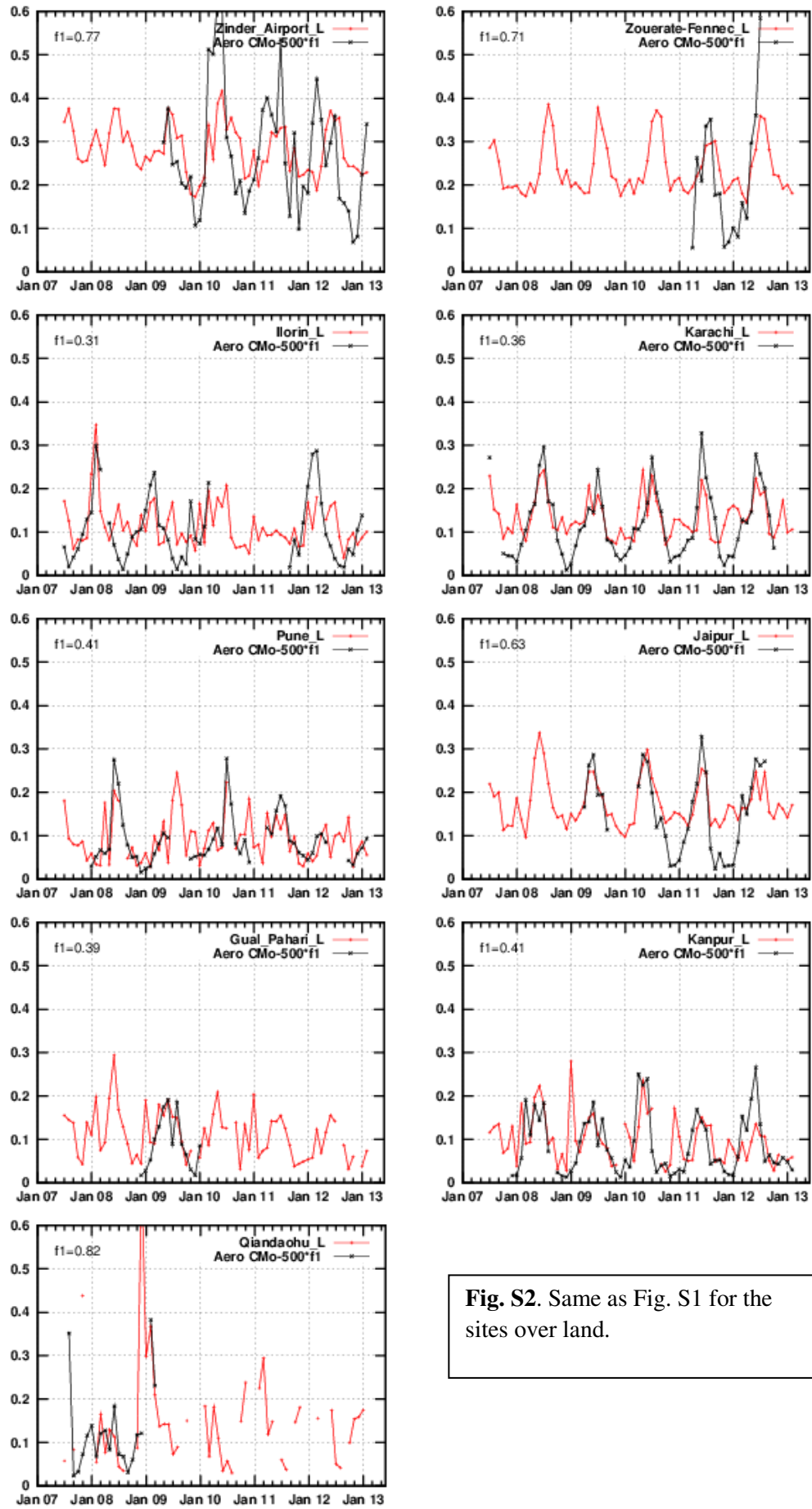






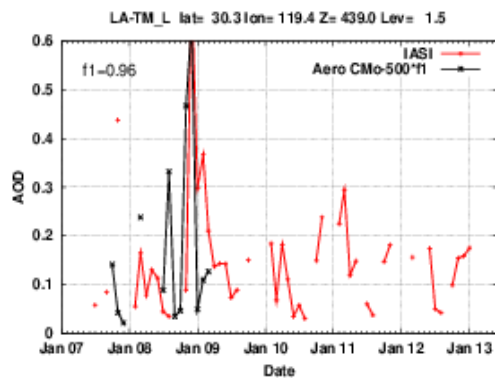
**Fig. S1.** Time series of the 10  $\mu\text{m}$  IASI AOD (red), and of the AERONET coarse mode 500 nm AOD (black), for the sites (named top-right) over sea. AERONET AOD is scaled by the IR/VIS ratio (shown top-left) determined as explained in the text (section 3).



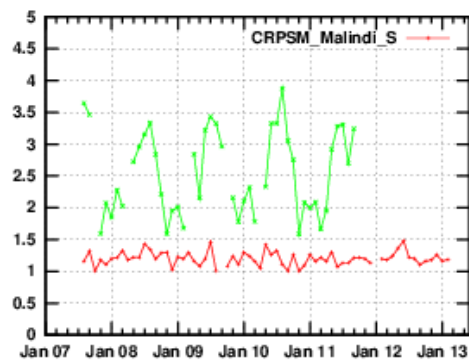
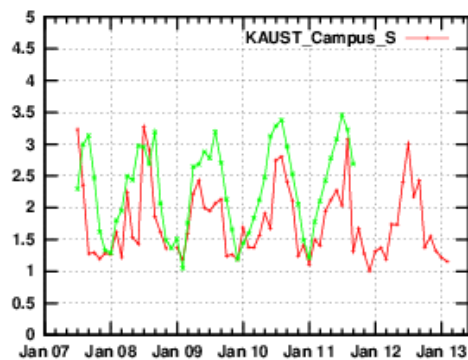
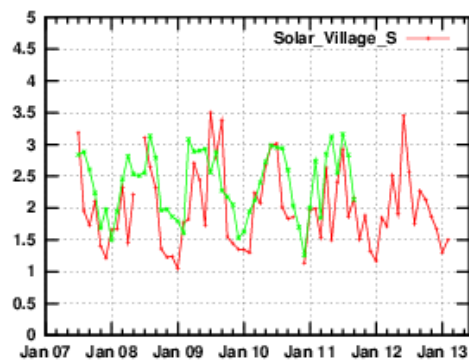
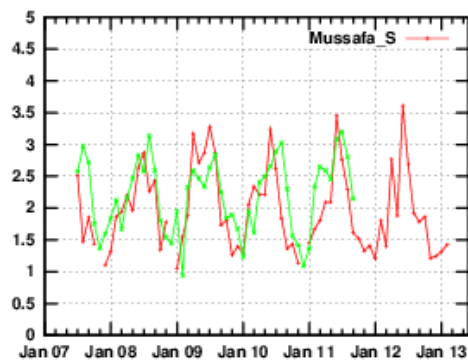
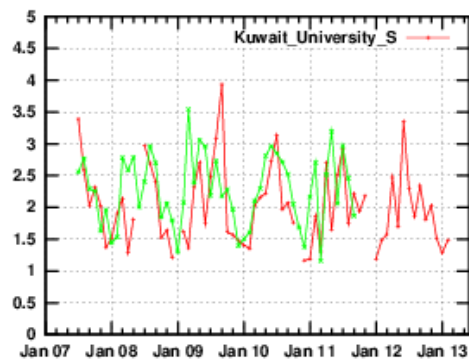
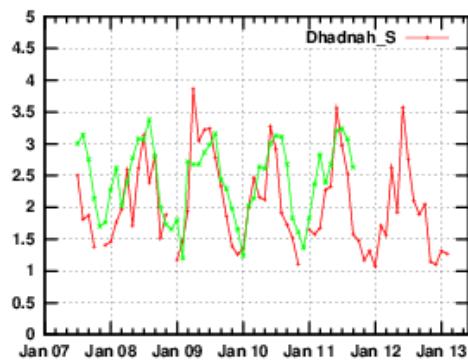
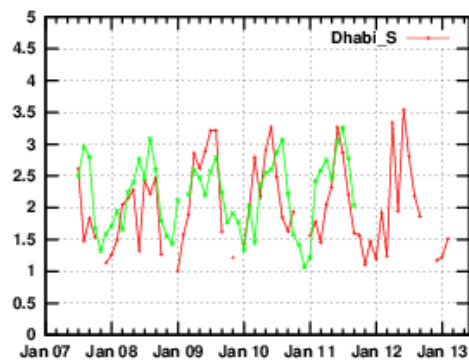
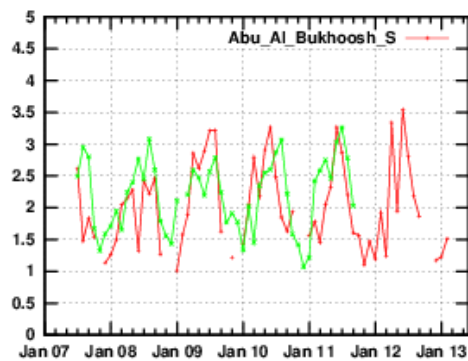


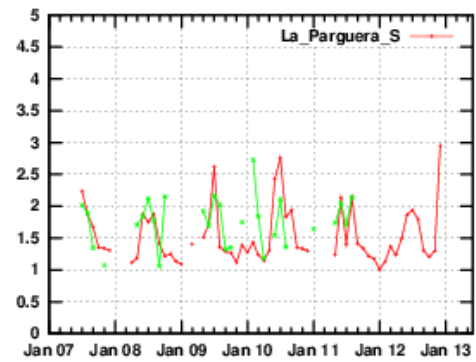
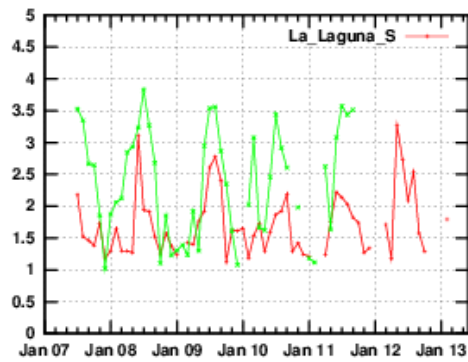
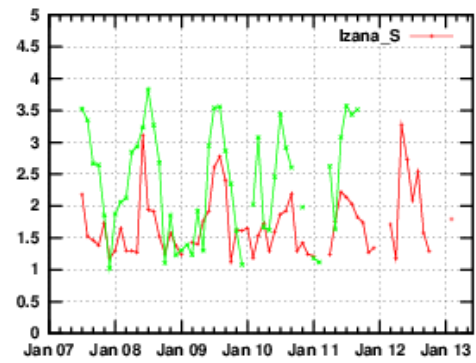
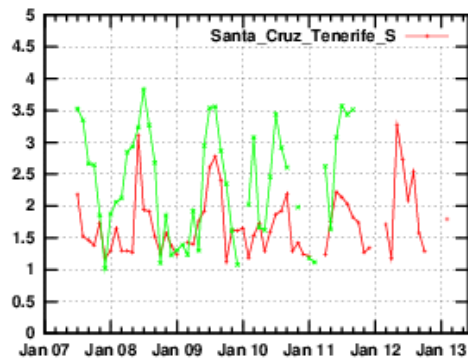
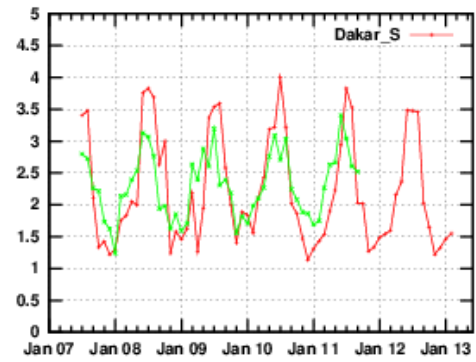
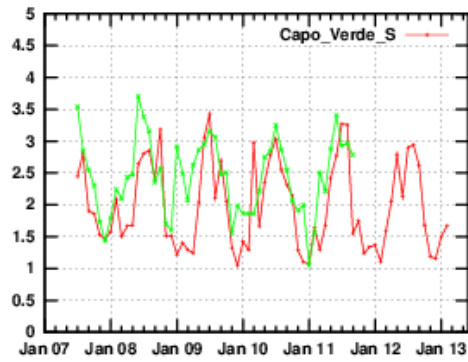
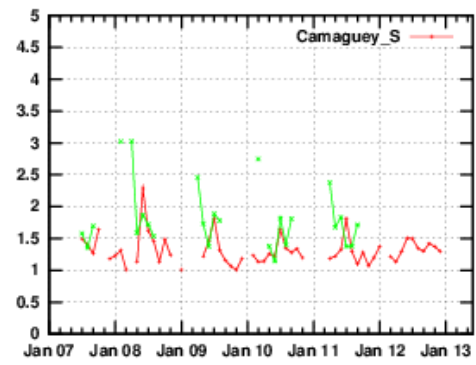
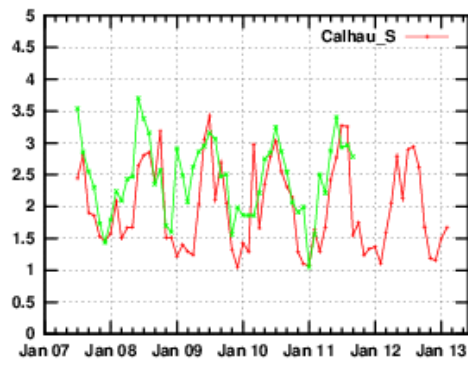
**Fig. S2.** Same as Fig. S1 for the sites over land.

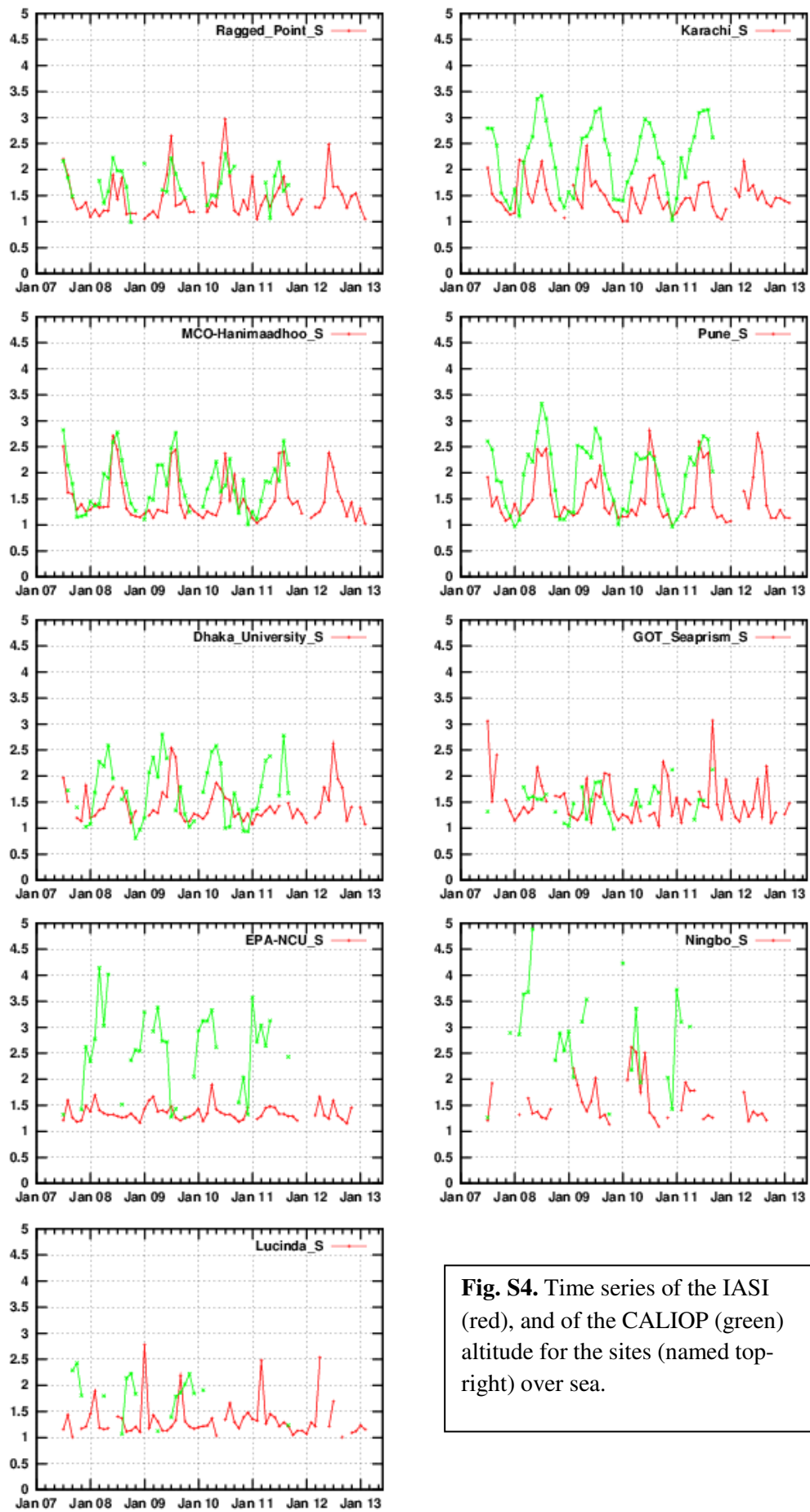




**Fig. S3.** Same as Fig. S1 for the site of LA\_TM close to the site of Qiandaohu. Note the strong event in December 2008 seen by both IASI and AERONET.







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