Interactive comment on “AERONET-based microphysical and optical properties of smoke-dominated aerosol near source regions and transported over oceans, and implications for satellite retrievals of aerosol optical depth” by A. M. Sayer et al.

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Dear Dr. Andrew Sayer,

Considerable amounts of dust aerosols are also observed sometimes over the Sevastopol site, both local origination and transported from distant sources. For example, an incidental soil dust event was observed in Europe in 23–25 March 2007 (see Birmili et al., 2008; Bessagnet et al., 2008) that was originated in southern Ukraine (near to Sevastopol, also see uploaded Fig. 1). Moreover, according to Israelevich et al. (2012), whose research is based on data from MODIS for the period from 2001 to 2010, the Saharan dust is transported over the northeastern Mediterranean (Kalivitis et al., 2007) to the Eastern Europe region (over Sevastopol site). According to Bovchaliuk et al., 2013, where is presented preliminary analysis about soil and dust aerosol in May 2007, You can make certain of the this, for example, in Fig. 2.


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Fig. 1.
Fig. 2.