



Figure S1. CoBi UAS flight during BACCHUS research campaign over Orounda, Nicosia on April 2016.



Figure S2. Profiling Black Carbon with three miniaturized aerosol absorption sensors integrated on board small-sized UAS during Athens campaign in January 2016 (in the framework of H2020 ACTRIS2).



Figure S3. Skywalker flight during PALLAS research campaign in Finland on September 2017.



Figure S4. The tarot 650 quadcopter performing PM vertical profiles during an intensive campaign at CyI's premises in Nicosia on 28 February 2020.



Figure S5. USRL team in action during AQABA ship-borne research campaign in summer 2017.