

We would like to thank the editor for their time spent to revise the abstract. The new abstract almost identical to the editor's suggested text is provided below:

“The BIO-MAÏDO (Bio-physicochemistry of tropical clouds at Maïdo: processes and impacts on secondary organic aerosols formation) campaign was conducted from 13 March to 4 April 2019 on the tropical Réunion Island. The main objective of the project was to improve understanding of cloud impacts on the formation of secondary organic aerosols (SOA) from biogenic volatile organic compounds (BVOCs) precursors in a tropical environment. Instruments were deployed at five sites: receptor site, Maïdo observatory (MO) at 2165 m asl and four sites along the slope of the Maïdo mountain. Observations include measurements of volatile organic compounds (VOCs) and characterization of the physical, chemical, and biological (bacterial diversity and culture-based approaches) properties of aerosols and cloud water. Turbulent parameters of the boundary layer, radiative fluxes, and emissions fluxes of BVOCs from the surrounding vegetation were measured to help interpret observed chemical concentrations in the different phases. Dynamical analyses showed two preferred trajectories routes for air masses arriving at MO during the daytime. Both trajectories correspond to return branches of the trade winds associated with up-slope thermal breezes, where air masses likely encountered cloud processing. The highest mixing ratio of oxygenated VOCs (OVOCs) were measured above the site located in the endemic forest and the highest contribution of OVOCs to total VOCs at MO. Chemical composition of particles during daytime showed higher concentrations of oxalic acid, a tracer of cloud processing and photochemical aging, and a more oxidized organic aerosol at MO than at other sites. Approximately 20% of the dissolved organic compounds were analyzed. Additional analyses by ultra-high resolution mass spectrometry will explore the complexity of the missing cloud organic matter.”