**Field Study in Tai Mo Shan (Hong Kong)**

To obtain a holistic view on the heterogeneous processes of HONO and N2O5 on air quality in Hong Kong with the existing efforts at surface (i.e., Tung Chung and Hok Tsui), a 3-week joint study with Dr. S. Brown group from National Oceanic and Atmospheric Administration (NOAA) was conducted at a mountain-top site (Tai Mo Shan, 957m a.s.l ) in Hong Kong from November to December 2013. HONO was measured with a Long Path Absorption Photometer (LOPAP) instrument. Measurement of N2O5 was conducted and inter-compared by Chemical Ionization Mass Spectrometry (CIMS) and Cavity Ring-down Spectroscopy (CRDS) techniques. Ambient concentrations of NO3, ClNO2, VOCs, NOx, NOy, O3, particle number and size distributions were measured as well.