

Field Study in Hok Tsui (Hong Kong)



Since 1993 the PolyU group has been conducting atmospheric measurements at the Hok Tsui research station on southeastern Hong Kong Island. This is the first long-term background site in southern China. Ozone and CO have been continuously measured since 1994. Aerosols and non-methane hydrocarbons were measured for period longer than 12 months, and intensive studies of other trace gases were also conducted. Seasonal variations of trace gases and aerosols have been established (Lam et al., 2001; Cheng et al., 2000; Cheung, 1999; Cohen et al., 2004). Outflow of continental pollution has been characterized. The station participated in the PEM-WEST B study in spring 1994 (Wang et al., 1997) and the TRACE-P and ACE-Asia Program in spring 2001 (Wang et al., 2003, Cohen et al., 2004). The station has also been used by other studies of local and regional air quality. The early work at the station has laid a solid foundation for the later expansion of our research into other parts of Asia.

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