

Comprehensive observations of atmospheric environment at Cape Hedo Atmosphere and Aerosol Monitoring Station

SHIMIZU, Atsushi^{1*}, TAKAMI, Akinori¹, SATO, Kei¹, HATAKEYAMA, Shiro²

¹National Institute for Environmental Studies, ²Tokyo University of Agriculture and Technology

National Institute for Environmental Studies (NIES) have operated Cape Hedo Atmosphere and Aerosol Monitoring Station (CHAAMS) in Okinawa, Japan since 2005. In CHAAMS atmospheric constituents, aerosols, and parameters related to both radiation and meteorology are measured continuously or intermittently with various collaborating universities and research / governmental organizations. An advantage of observation in Okinawa is that the influence of local pollution from mainland of Japan is suppressed to reveal the regional scale variation of atmospheric environment in East Asia. CHAAMS is one of contributing observatories in UNEP/ABC, and also served as a open platform in the research society of atmospheric environment. In this study, various observational items in CHAAMS including surface continuous monitoring, filter sampling, remote sensing are introduced and importance of maintaining such station in the atmospheric science is discussed.

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