

The Current Status and Future of the China Atmosphere Watch (CAW) Program of the China Meteorological Administration (CMA)

K. Wu and X. ZHANG

China Meteorological Administration, Meteorological Observation Center, Beijing, China; +86-10-5899-506, E-mail: wu_kejun@sina.com

To meet the needs for reliable scientific data and information on the chemical composition of the atmosphere, for both the international World Meteorological Organization/Global Atmospheric Watch (GAW) Program and increasing domestic public concerns on the environmental issues, China Meteorological Administration (CMA) has made continuing efforts to develop a fully operational China Atmosphere Watch Network (CAWNet) since the 1980s. So far, CMA-CAWNet includes 1 GAW station, 6 regional GAW stations, 29 ordinary CAWNet stations, and 365 Acid Rain monitoring stations. The Meteorological Observation Center (MOC) of CMA, founded in 2002, is dedicated to the national technological support facility for the whole monitoring network of CMA, and has taken over the responsibility of technical support, as well as data Quality Assurance/Quality Control for the whole CAWNet since 2011. The MOC will also closely cooperate with international parties in the monitoring and research activities of greenhouse gases, aerosols, ozone, and other trace gases.

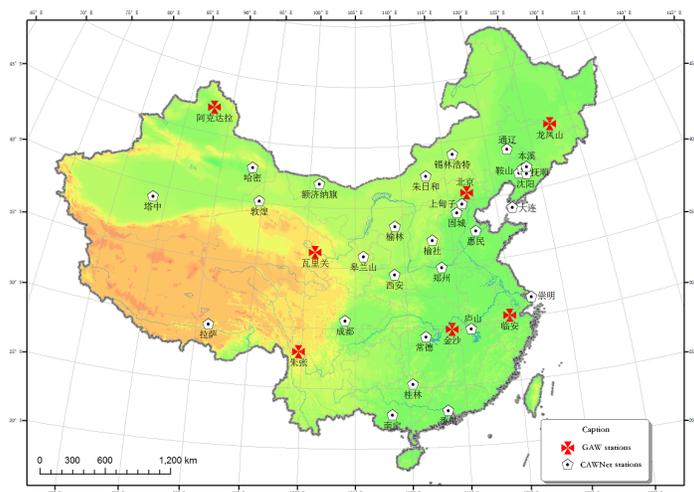


Figure 1. GAW stations and CAWNet stations run by the China Meteorological Administration.

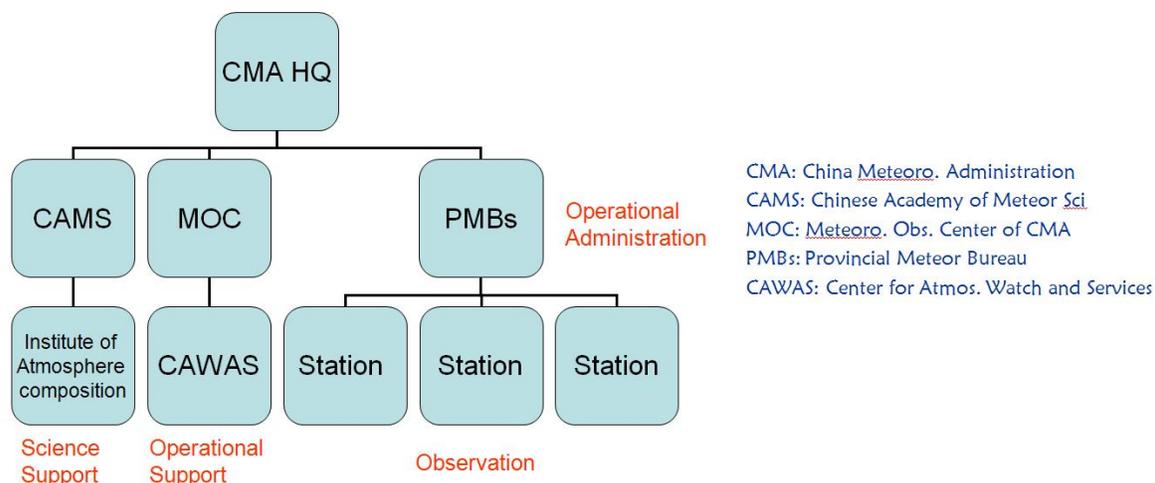


Figure 2. Infrastructure of the CMA-GAW program.