Nanjing\_CO2\_CH4\_H2O\_20100602-20110430.doc

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2) The mixing ratio of atmospheric CO2 and CH4 was measured continuously by a gas analyzer based on wavelength-scanned cavity ring-down spectroscopy (model G1301, Picarro, Inc, Sunnyvale, California) in campus of Nanjing University of Information Science & Technology (32°12′ N, 118°43′ E), Nanjing, Jiangsu, China from June 2, 2010 to April 30, 2011. Details on the observation are given by Shen et al. 2014, available at http://yncenter.sites.yale.edu/publications

3) Each day have 48 records. Missing values are denoted by -9999.

4) Relevant references:

[1] Shen S, D Yang, W Xiao, S Liu, X Lee (2014) Constraining anthropogenic CH4 emission in Nanjing and the Yangtze River Delta, China using atmospheric CO2 and CH4 mixing ratios. Advances in Atmospheric Sciences 31: 1343–1352.

5) Content and format of header records:

Sheet Nanjing\_CO2\_CH4\_H2O\_2010-2011

(:,1): YEAR, Sampling year

(:,2): DOY, Day of year

(:,3): CO2, molar ratio of CO2 to dry air, expressed in ppm

(:,4): CH4, molar ratio of CH4 to dry air, expressed in ppm

(:,5): H2O, water vapor concentration, expressed in g kg-1