Nanjing\_CO2\_13C\_2013-2015.doc

(Update November 16, 2016)

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2) The mixing ratio of total atmospheric CO2 and 13C/12C ratio in reference to VPDB scale was measured continuously by a isotope analyzer based on wavelength-scanned cavity ring-down spectroscopy (model G1101-i, Picarro, Inc, Sunnyvale, California) in campus of Nanjing University of Information Science & Technology (32°12′ N, 118°43′ E), Nanjing, Jiangsu, China from February 2013 to August 2015. Details on the observation are given by Xu et al. 2016, available at http://yncenter.sites.yale.edu/publications

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

4) Relevant references:

[1] Xu JP, X Lee, W Xiao, C Cao, SD Liu, XF Wen, JZ Xu, Z Zhang, JY Zhao (2016) Interpreting the 13C/12C ratio of carbon dioxide in an urban airshed in the Yangtze River Delta, China. In review.

5) Content and format of header records:

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(:,1): Year

(:,2): Day, Day of year

(:,3): Hour, Local time ending, Beijing time

(:,4): Total CO2, molar ratio of total CO2 (12C and 13C) to dry air(calibrated, ppm; gaps filled with -9999)

(:,5): δ13C, 13C/12C ratio in delta notation in reference to VPDB scale (calibrated and corrected for water vapor interference, per mil, gaps filled with -9999)