

Supplementary information of

Real-time observational evidence of changing Asian dust morphology with the mixing of heavy anthropogenic pollution

Xiaole PAN^{1,2,*}, Itsushi UNO², Zhe WANG^{1,2}, Tomoaki NISHIZAWA³, Nobuo SUGIMOTO³, Shigekazu YAMAMOTO⁴, Hiroshi KOBAYASHI⁵, Yele SUN¹, Pingqing FU¹, Xiao TANG¹, Zifa WANG¹

¹Institute of Atmospheric Physics/Chinese Academy of Sciences, State Key Laboratory of Atmospheric Boundary Layer Physics and Atmospheric Chemistry, Beijing, 100029, China.

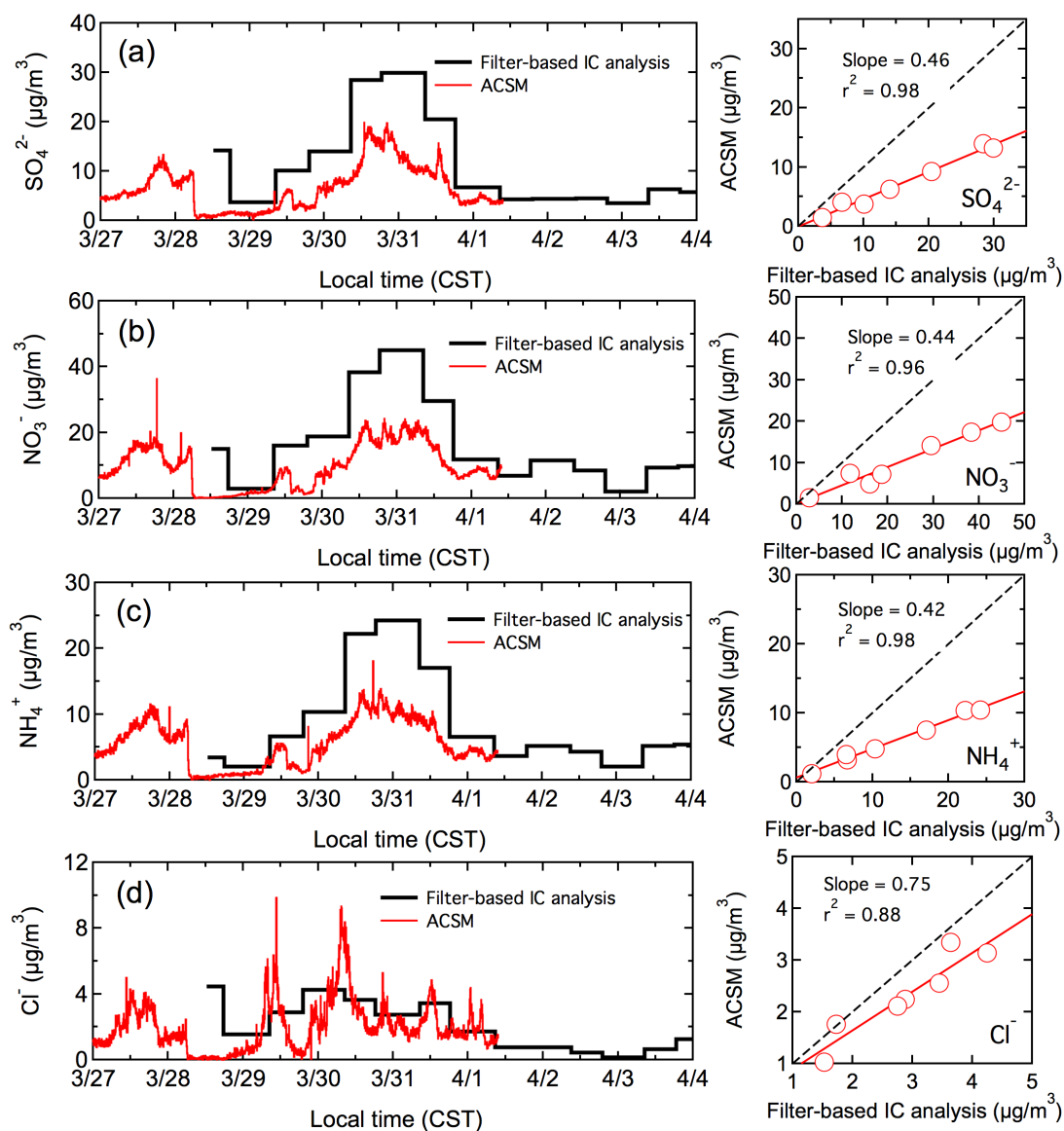
²Research Institute for Applied Mechanics, Kyushu University, Kasuga, Fukuoka, 816-8580, Japan

³National Institute for Environmental Studies, Tsukuba, Ibaraki, 305-8506, Japan

⁴Fukuoka Institute of Health and Environmental Sciences, Daizaifu, 818-0135, Japan

⁵University of Yamanashi, Yamanashi, 400-0016, Japan

*panxiaole@mail.iap.ac.cn



SF. 1 Temporal variation of water-soluble species from online ACSM measurement and filter-based IC analysis during the dust influencing period (on the left). On the right, the figures show the scatter plot, and the mass concentration of each point was the mean value of the ACSM observation according to the filter sampling starting and ending times.