

Supplementary Material

Transboundary Transport of Nitrogen Oxides from the Asian Continent to Fukue Island, Japan: Analyses of Long-range Transport of Nitrogen Compounds

Yasuhiro Sadanaga^{1*}, Ryo Takaji¹, Akinori Takami², Hiroshi Bandow¹

¹ *Department of Applied Chemistry, Osaka Prefecture University,
1-1 Gakuen-cho, Nakaku, Sakai, Osaka 599-8531, Japan.*

² *National Institute for Environmental Studies,
16-2, Onogawa, Tsukuba, Ibaraki 305-8506, Japan*

Figure Captions

Fig. S1. Variation in daily averaged concentrations of NO_y , T.NO_3 , and NO_x .

Fig. S2. Variations in monthly averaged concentrations of NO_y , T.NO_3 , and NO_x with respect to air mass origin.

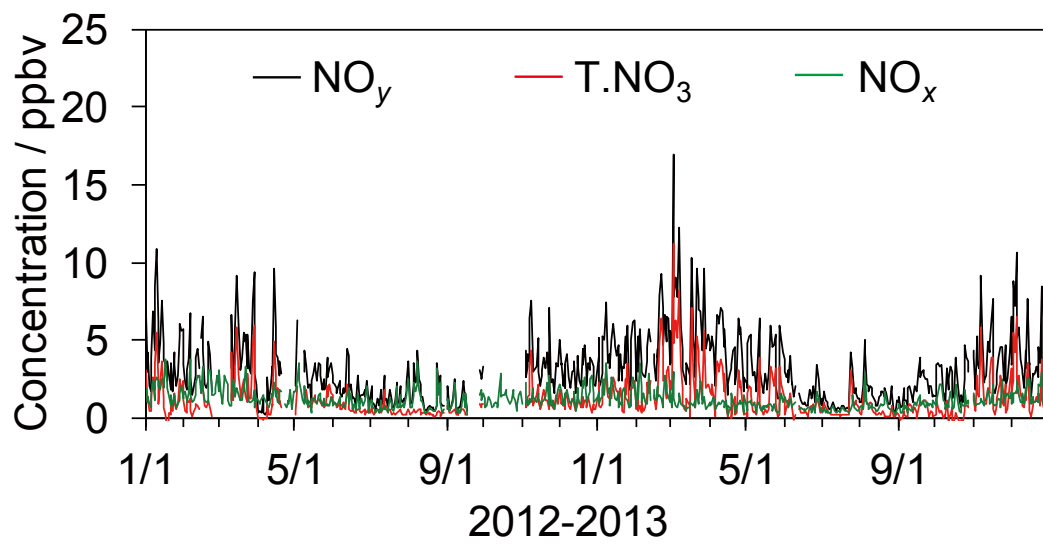


Fig. S1.

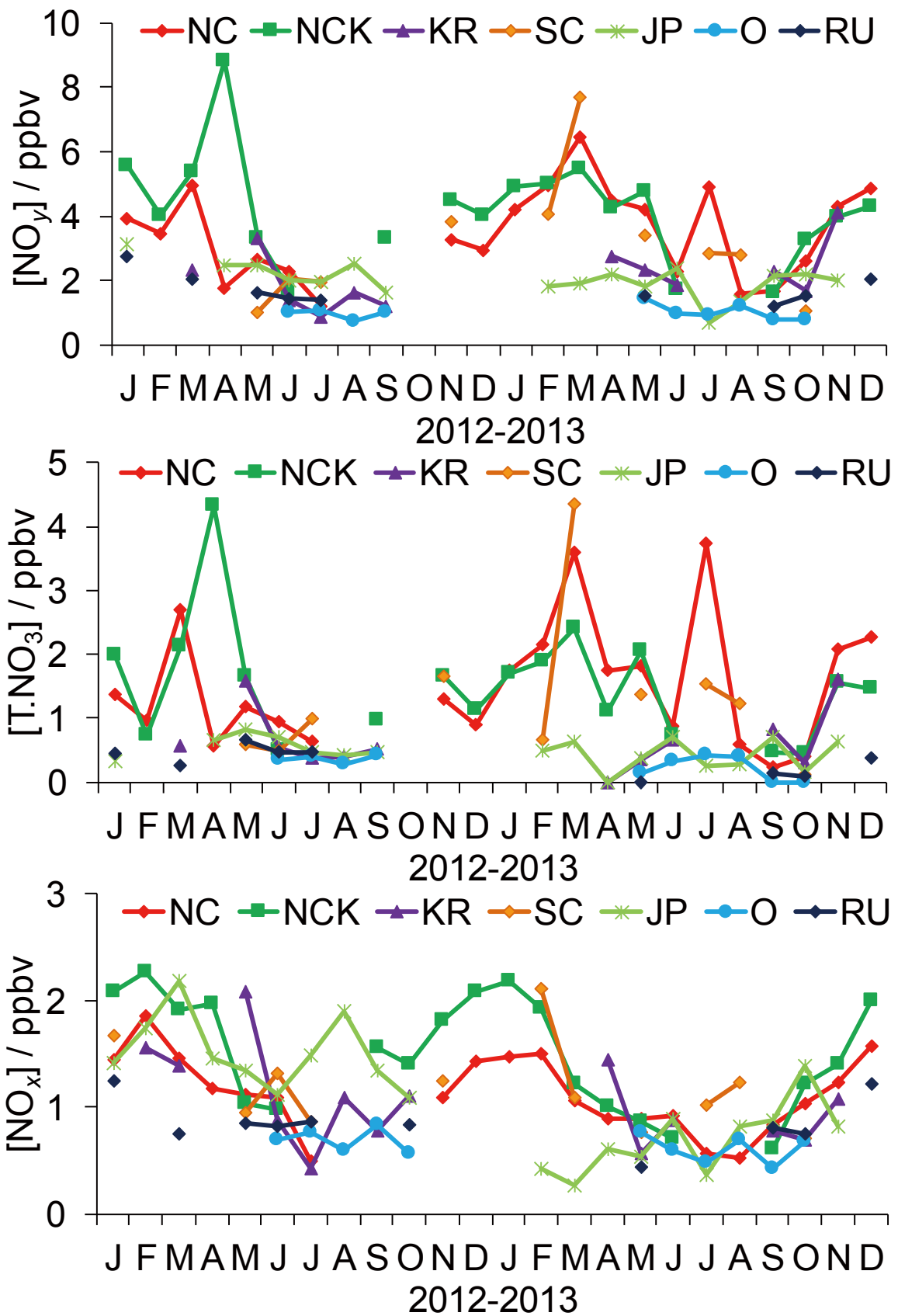


Fig. S2.

Table S1. The number of each trajectory sector in each month during the observation period.

2012	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
NC	73	100	81	74	44	31	4	0	50	62	83	79
NCK	42	6	21	6	18	2	0	4	7	36	31	23
KR	0	0	2	0	14	4	3	1	7	2	0	0
SC	2	0	0	0	1	3	9	0	1	0	2	0
JP	5	4	9	9	25	22	0	4	0	7	0	0
O	0	0	0	8	6	42	101	109	39	0	0	0
RU	2	2	2	0	3	1	7	0	9	9	0	0
UN*	0	4	9	23	13	15	0	6	7	8	4	22
Total	124	116	124	120	124	120	124	124	120	124	120	124
2013	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
NC	96	65	80	93	61	28	3	13	34	41	89	98
NCK	22	35	33	16	18	4	0	0	20	31	18	23
KR	0	0	0	1	4	4	0	0	7	6	1	0
SC	0	1	5	0	4	4	11	25	0	1	0	0
JP	0	3	2	4	28	22	1	17	45	29	10	0
O	0	0	0	0	4	58	109	69	10	13	0	0
RU	0	0	0	0	5	0	0	0	4	3	0	3
UN*	6	8	4	6	0	0	0	0	0	0	2	0
Total	124	112	124	120	124	120	124	124	120	124	120	124

* Unclassifiable trajectory