Thanks Mr Tanimoto for your suggestive comments. We have reviewed the published papers on PANs. Indeed, there are a number of important references have been missed to be cited. Those studies on PANs are meaningful just as what you have mentioned, especially for regional PANs investigation in East Asia. Therefore, we have made some changes in the full-text as follows.

## 1. On Page 8175 Line 7-8

For the statement of *Only a few studies have reported PAN and PPN in East Asia concurrently,* more references were added. (Tanimoto et al., 1999, 2002; Kondo et al., 2001)

2. For Table 1, two related references on PAN campaign in the world have been added in, as shown in bold type.

Site	Туре	Date	PAN ppbv	PPN ppbv	Reference
			(max/aver)	(max/aver)	
PKU, Beijing,	Urban	Several days in May	6.8	-	[Zhang and
China		and June, 1990			Tang 1994]
Island of	Remote	March 1999 to June	~0.25/~ 0.1	-	[Tanimoto et
Rishiri, Japan		2000			al., 2001]
Tokyo, Japan	Urban	the	10 (sum of	-	[Kondo et al.,
		periods of	PAN + PPN +		2008]
		16 June to 7 July, and	PiBN + PnBN)		
		26 July			
		to 14 August in 2004			

Cited references are listed below:

Kondo, Y., Y. Morino, M. Fukuda, Y. Kanaya, Y. Miyazaki, N. Takegawa, H. Tanimoto, R. McKenzie, P. Johnston, D.R. Blake, T. Murayama, and M. Koike, Formation and transport of oxidized reactive nitrogen, ozone, and secondary organic aerosol in Tokyo J. Geophys. Res., 113, D21310, doi:10.1029/2008JD010134, 2008.

Tanimoto, H., J. Hirokawa, Y. Kajii, and H. Akimoto, A new measurement technique of peroxyacetyl nitrate at parts per trillion by volume levels: Gas chromatography/negative ion chemical ionization mass spectrometry, J. Geophys. Res., 104, 21,343-21,354, 1999.

Tanimoto, H., H. Furutani, S. Kato, J. Matsumoto, Y. Makide, and H. Akimoto, Seasonal cycles of ozone and oxidized nitrogen species in northeast Asia, 1, Impact of regional climatology and photochemistry observed during RISOTTO 1999-2000, J. Geophys. Res., 107, 4747, doi:10.1029/2001JD001496, 2002.