Atmos. Meas. Tech. Discuss., 6, C3527–C3536, 2013
www.atmos-meas-tech-discuss.net/6/C3527/2013/

Atmospheric Measurement Techniques Discussions

Interactive comment on "Applying receptor models Unmix and PMF on real data set of elements in PM for sources evaluation of the sea coastal side region (Southeast Adriatic Sea)" *by* D. Đorđević et al.

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Dear Editor,

Please find the corrected Manuscript amt-2013-50 according to the Reviewer 2 comments together with the answers one by one on their comments at the end of the manuscript.

The authors are very grateful to reviewers efforts to help us to improve our work.

With best regards

Dragana

Please also note the supplement to this comment:
http://www.atmos-meas-tech-discuss.net/6/C3527/2013/amtd-6-C3527-2013-supplement.pdf

Interactive comment on Atmos. Meas. Tech. Discuss., 6, 4941, 2013.

Fig. 1. Sampling site and prevailing wind directions

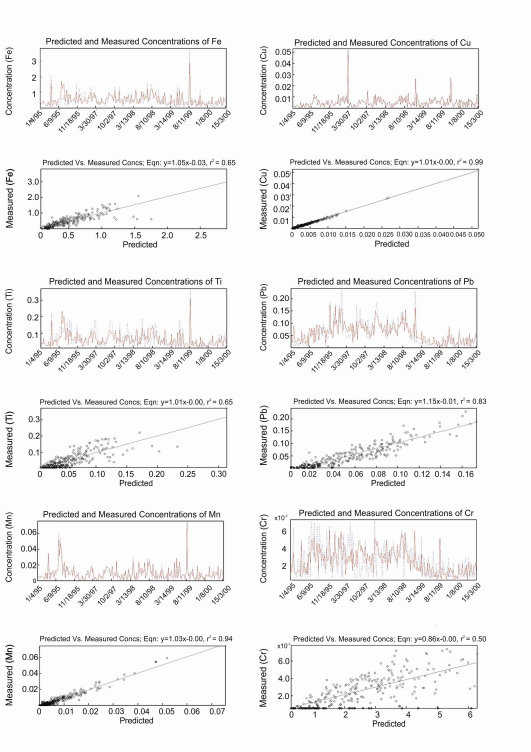

Fig. 2. Predicted and measured concentrations

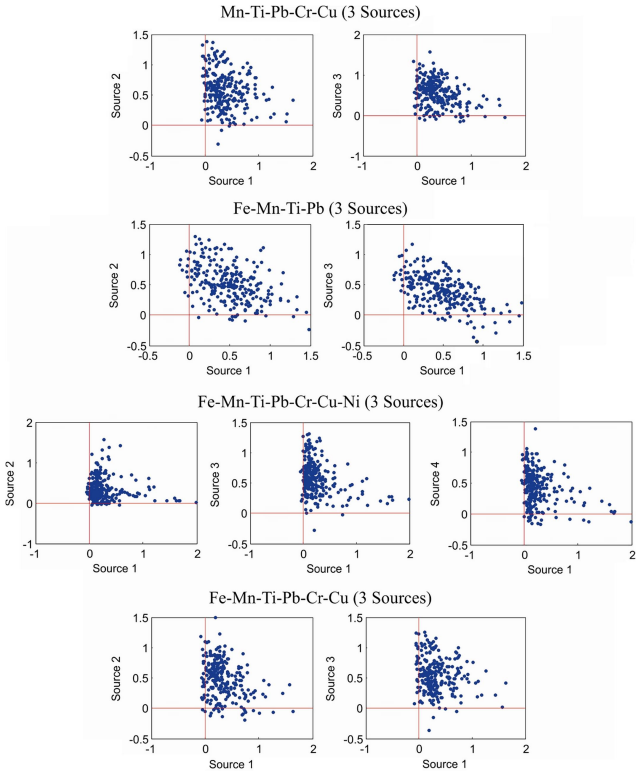

Fig. 3. Edge plots for chosen solutions that satisfy the conditions of Min S/N and Min R2

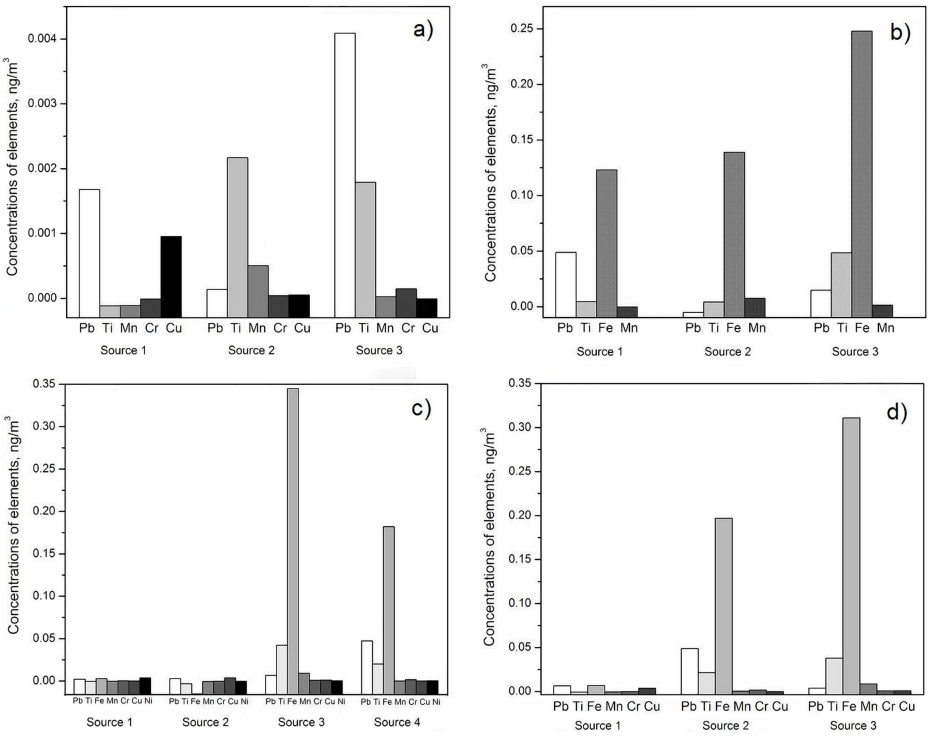

Fig. 4. Source profiles for selected solutions that are in accordance with the Unmix criteria

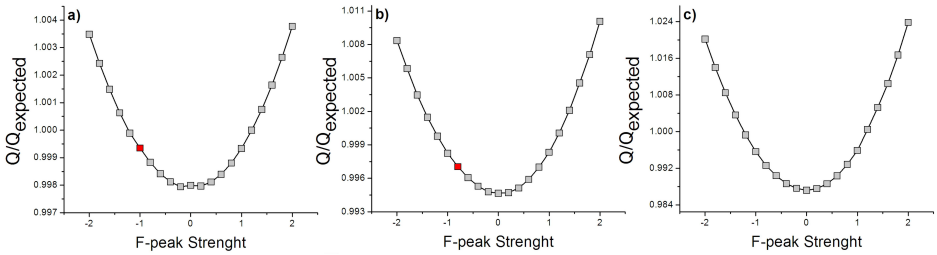

Fig. 5. F-peak analysis for three a), four b) and five c) source solutions. The red mark represents the value of F-peak Strength, at which the rotational ambiguity disappears.

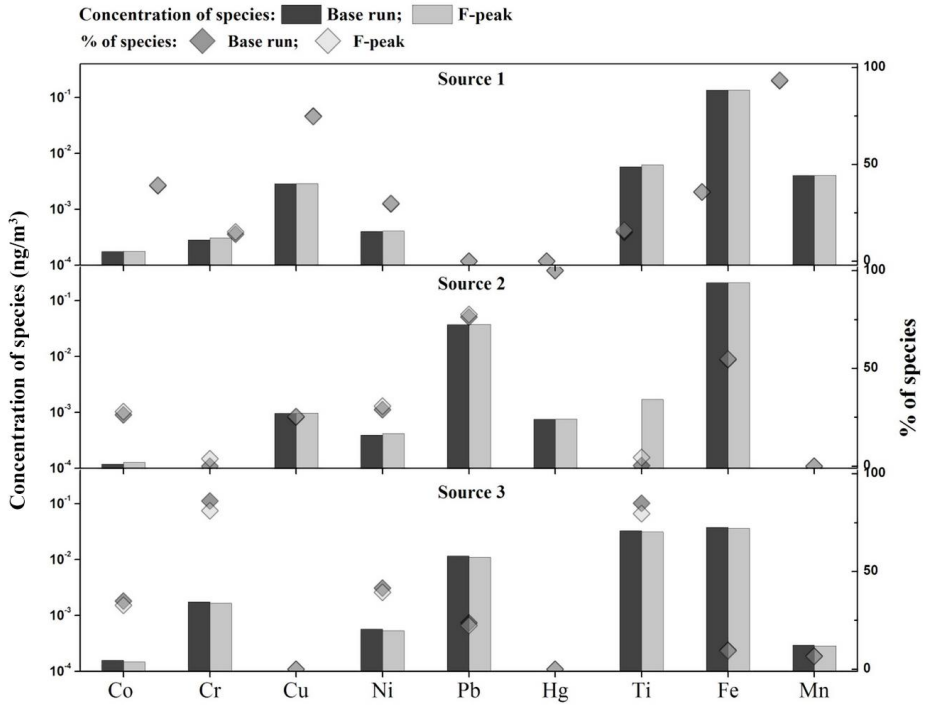

Fig. 6. Profiles in the case of three sources solutions. Comparison of base run profile and F-peak run profile with the strength of -1.2 (disappearance of rotational ambiguity).

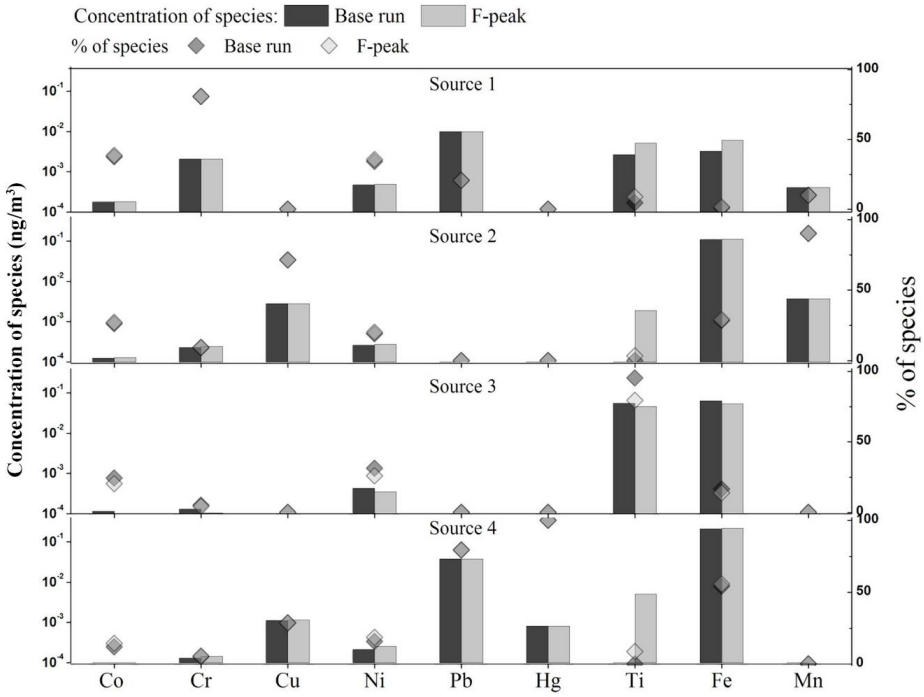

Fig. 7. Profiles in the case of three sources solutions. Comparison of base run profile and F-peak run profile with the strength of -0.8 (disappearance of rotational ambiguity).

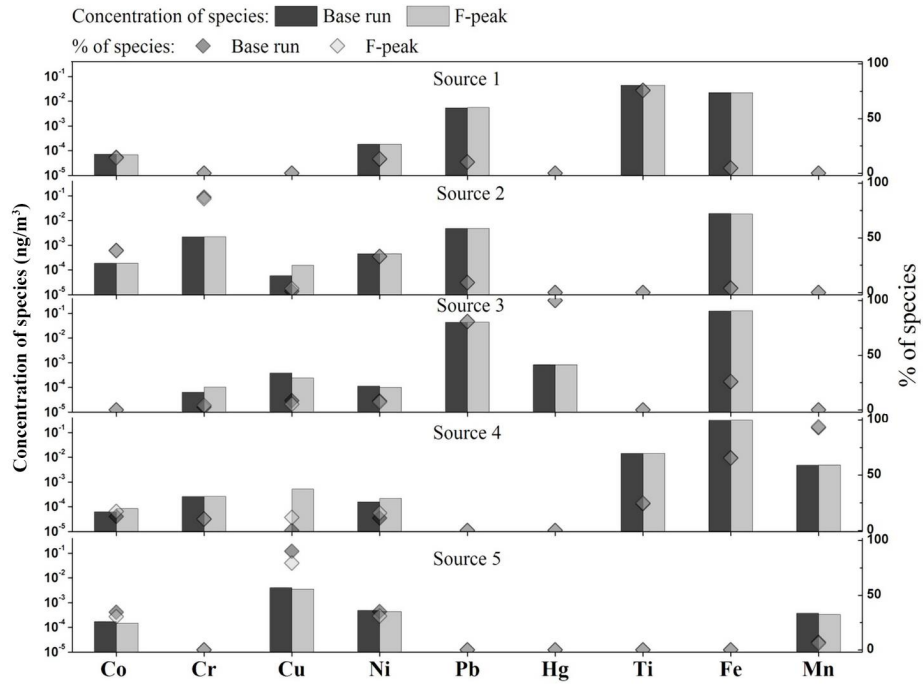

Fig. 8. Profiles in the case of three sources solutions. Comparison of base run profile and F-peak run profile with the strength of -2.0 where it can be seen that F-peak Strength does not affect the existing