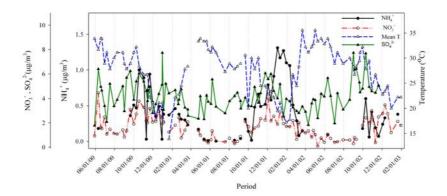
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Supplemental Table S1. Number of factors 'n' vs object function 'Q' for the base case. Expected Q value ( $Q_{\text{theoretical}} = 93*17 - n*93$ )

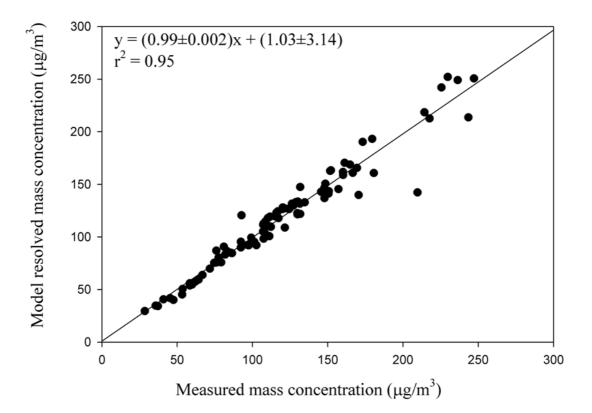
n	Q
2	4959.51
3	3779.40
4	2329.37
5	1608.85
6	1074.48
7	711.32
8	513.55
9	375.62

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Supplemental Figure S1. Time series plot of  $NH_4^+$ ,  $NO_3^-$ , and temperature measured at Ahmedabad.



Supplemental Figure S2. PMF resolved mass concentration vs measured TSP mass.



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Supplemental Figure S3. NOAA HYSPLIT five-day back trajectory ending on 26 April, 2002.

