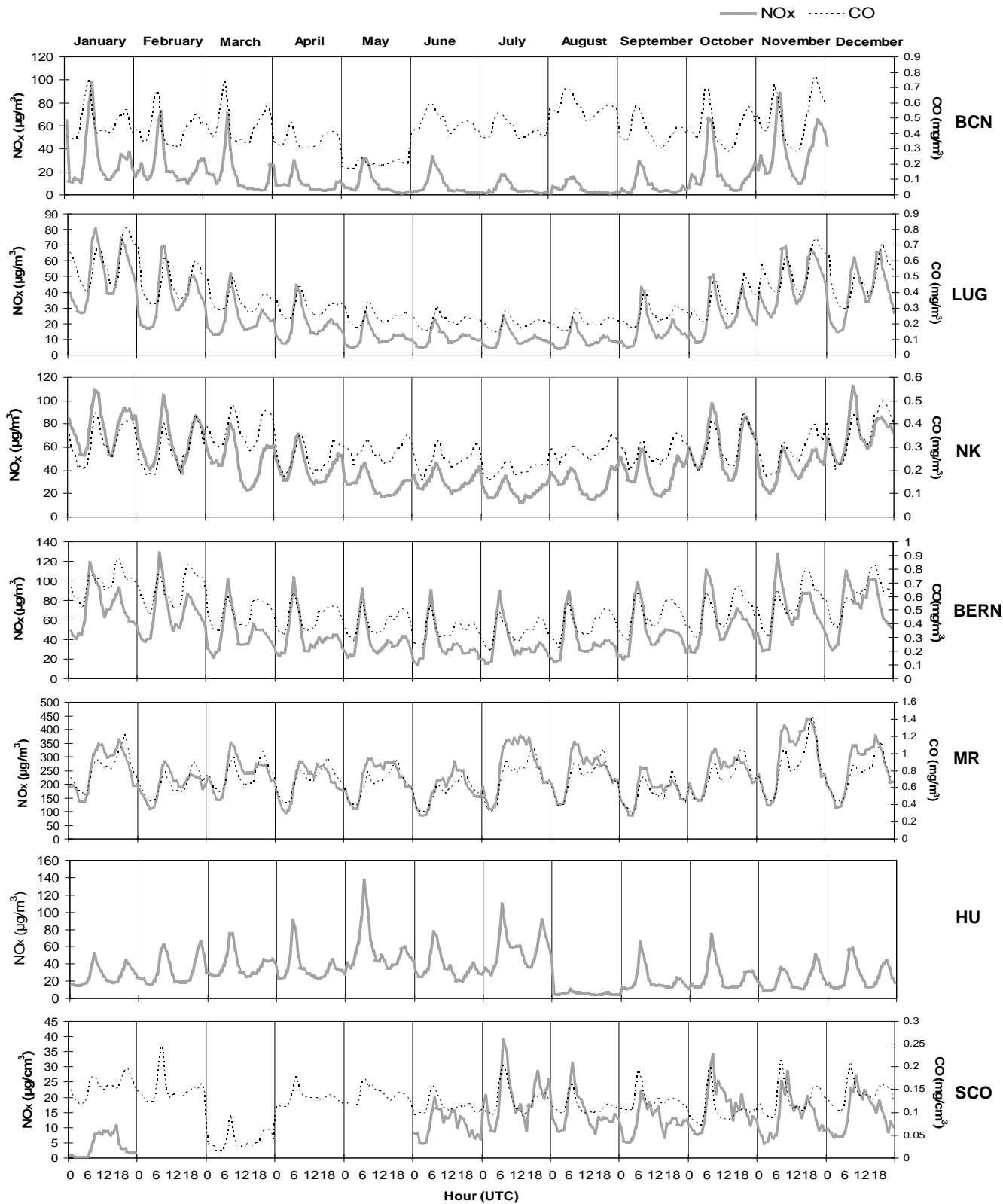


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Figure S1. Daily cycle of SO₂ and O₃ for each month.



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Figure S2. Daily cycle of NO_x and CO for each month.

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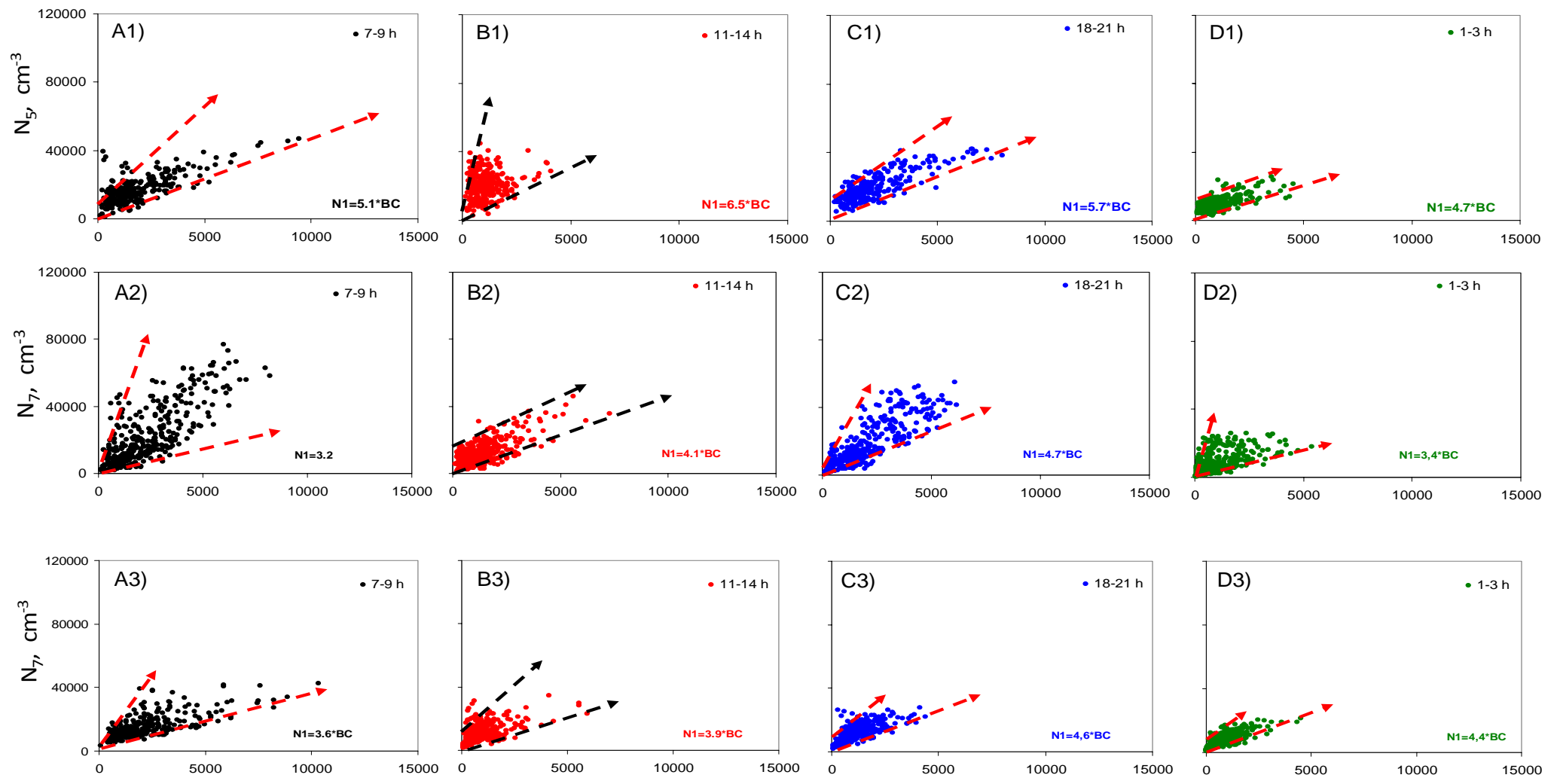
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BC (ng/m³)

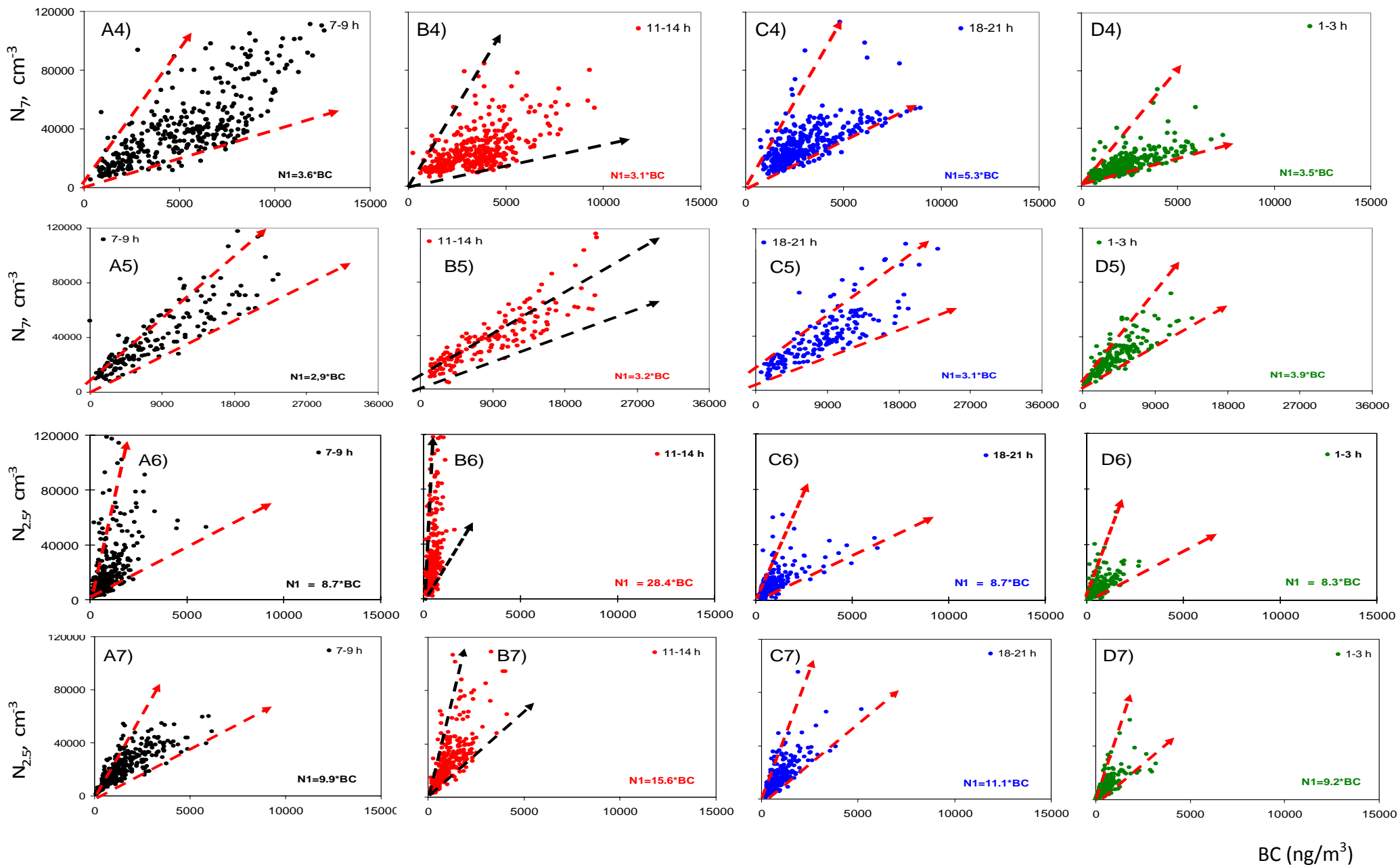
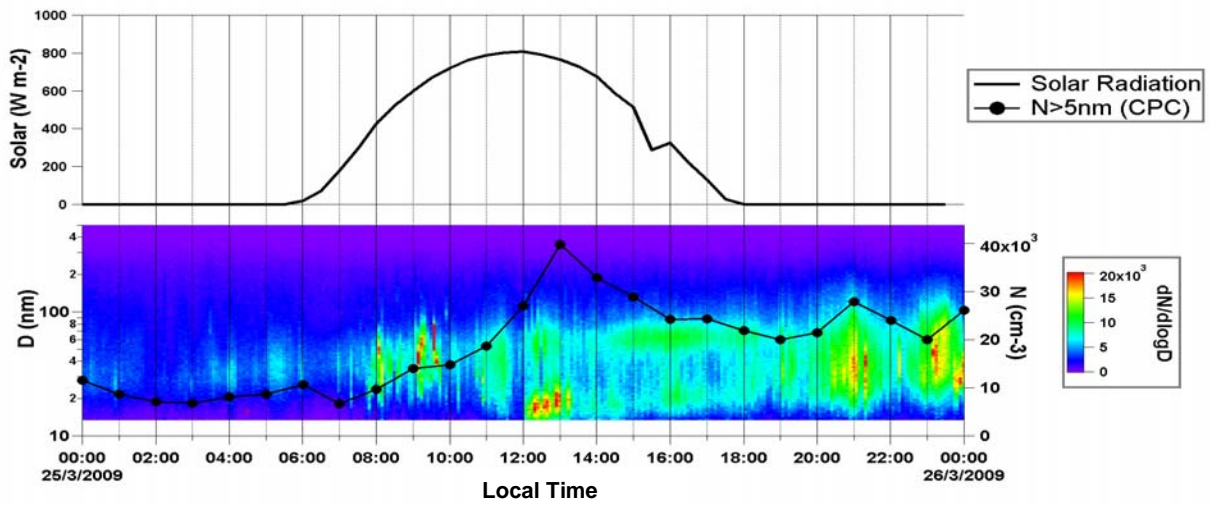


Figure S3. BC vs. N scatter plots for the different stations under study. 1:BCN; 2: LUG; 3: NK; 4: Bern; 5: MR; 6: HU; and 7: SCO.



1
 2 Figure S4. Daily variability of the particle number size distribution showing an example of a
 3 photochemical nucleation event in winter 2009 (DAURE campaign)