

Supplementary materials of “Characterization of particle number concentration and new particle formation in urban environment of Taipei, Taiwan”

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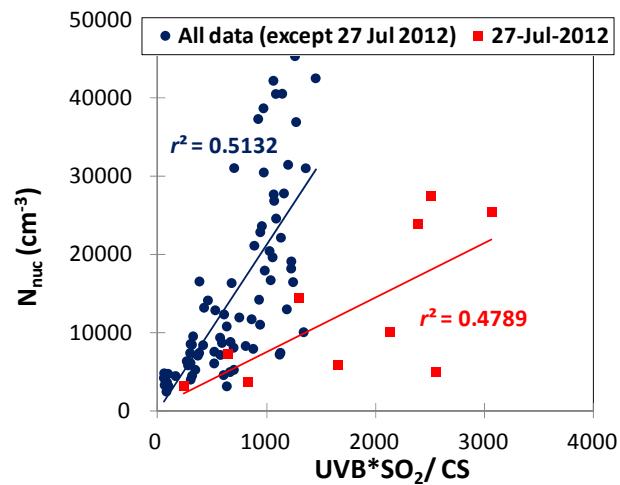
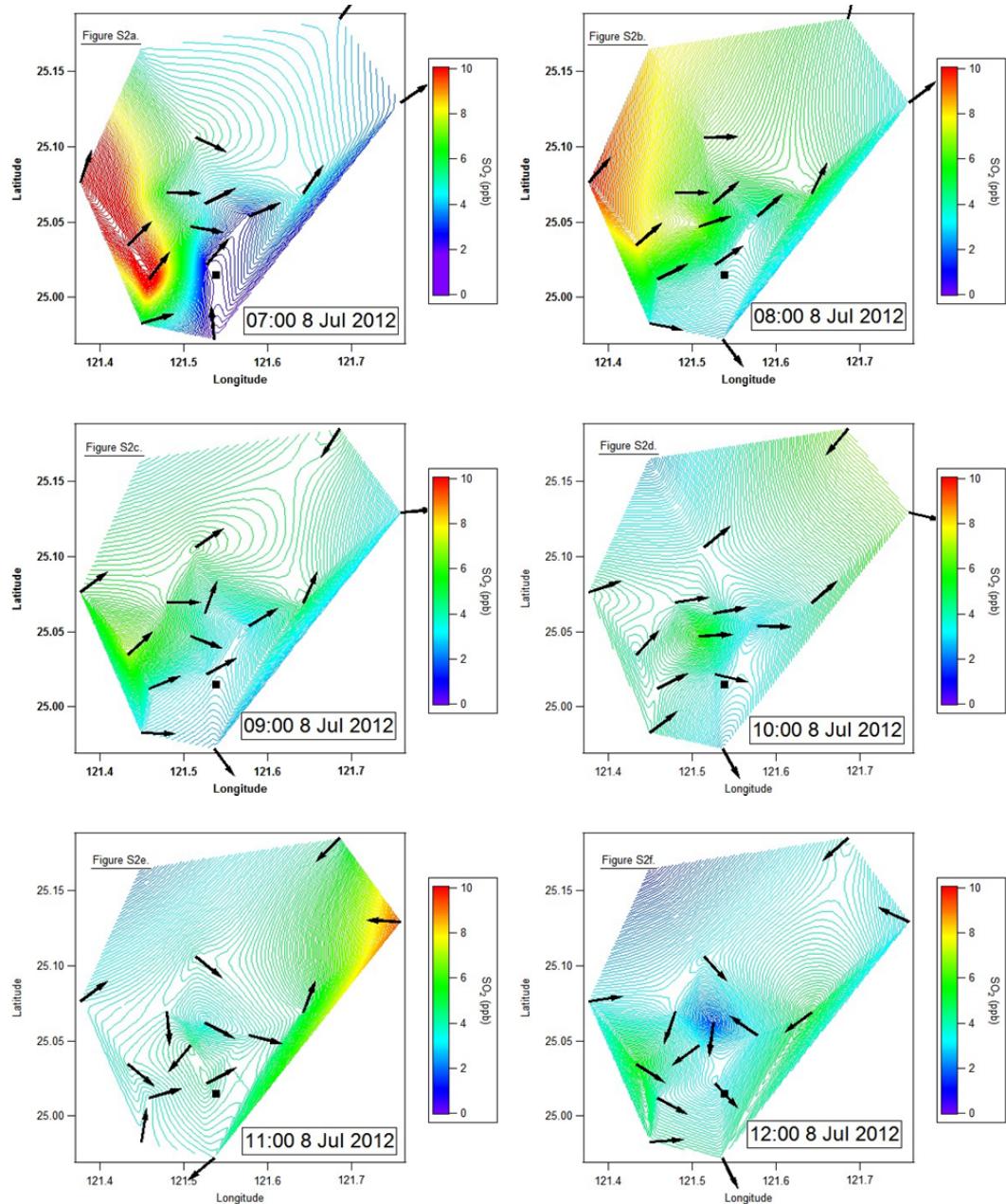


Figure S1. Scatter plot of $\text{UVB} \cdot \text{SO}_2 / \text{CS}$ against particle number concentration of nucleation mode (N_{nuc}) for the NPF event days. All data (except 27 July 2012): blue circle dot; For 27 July 2012: red square dot.



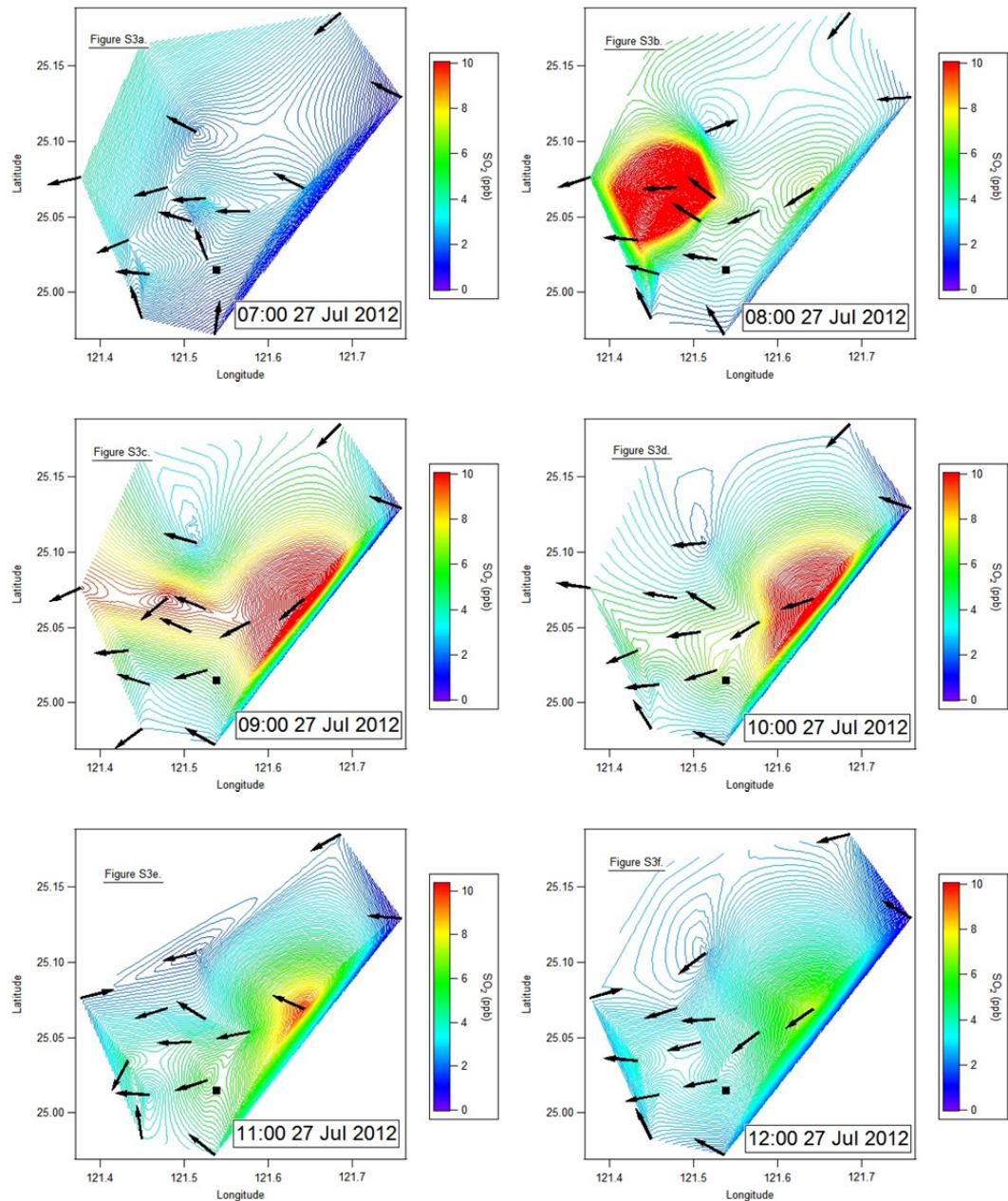


Figure S3 (a-f). Hourly spatial variations of SO_2 and surface wind directions measured in Taipei city on 27 July 2012. Square dot: TARO.

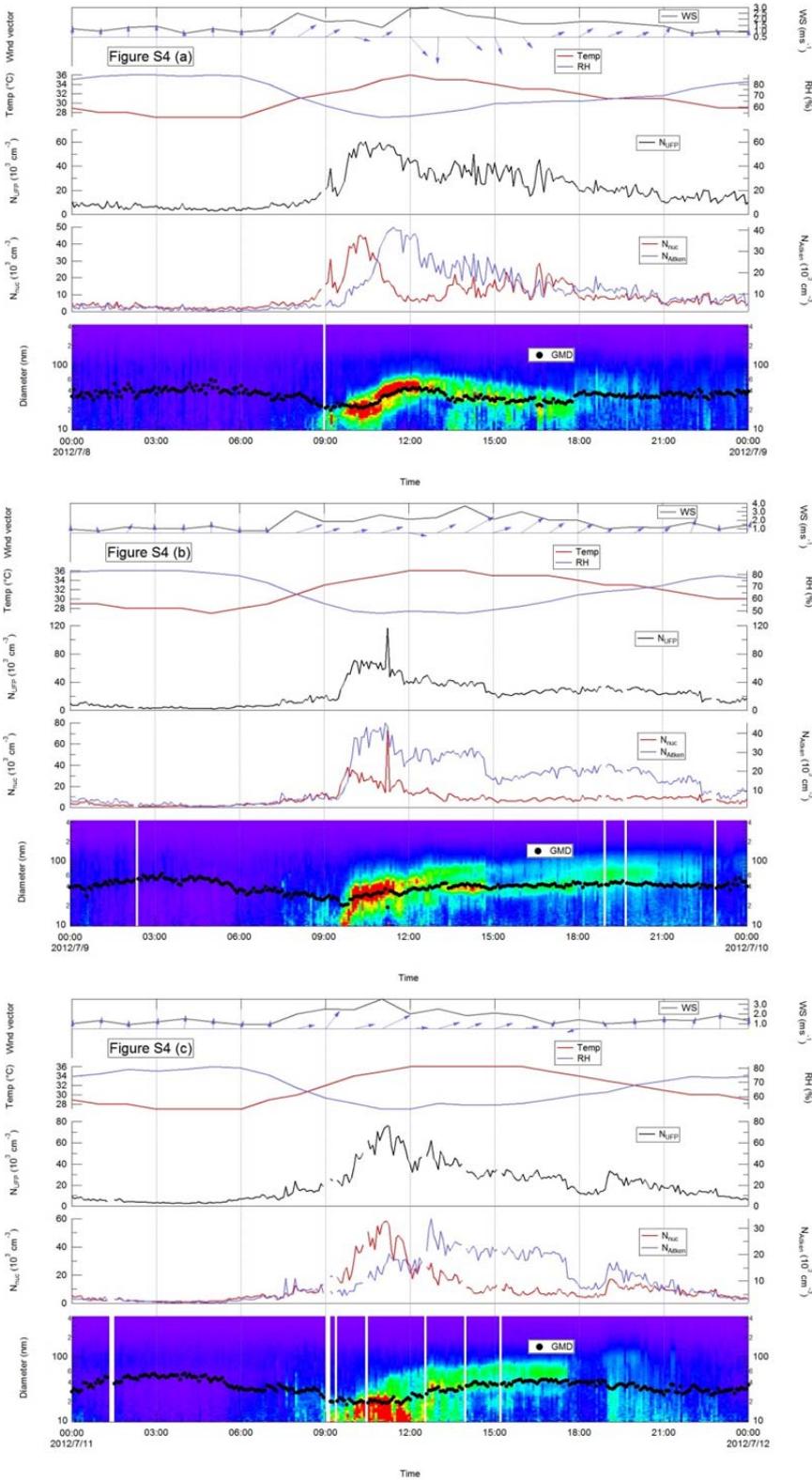


Figure S4. Time series of measured parameters for identified NPF event days. From bottom to upper panels are: i) Particle size distribution, ii) N_{nuc} and N_{Aitken} , iii) N_{UFP} , iv) ambient temperature and RH, v) wind direction and speed.

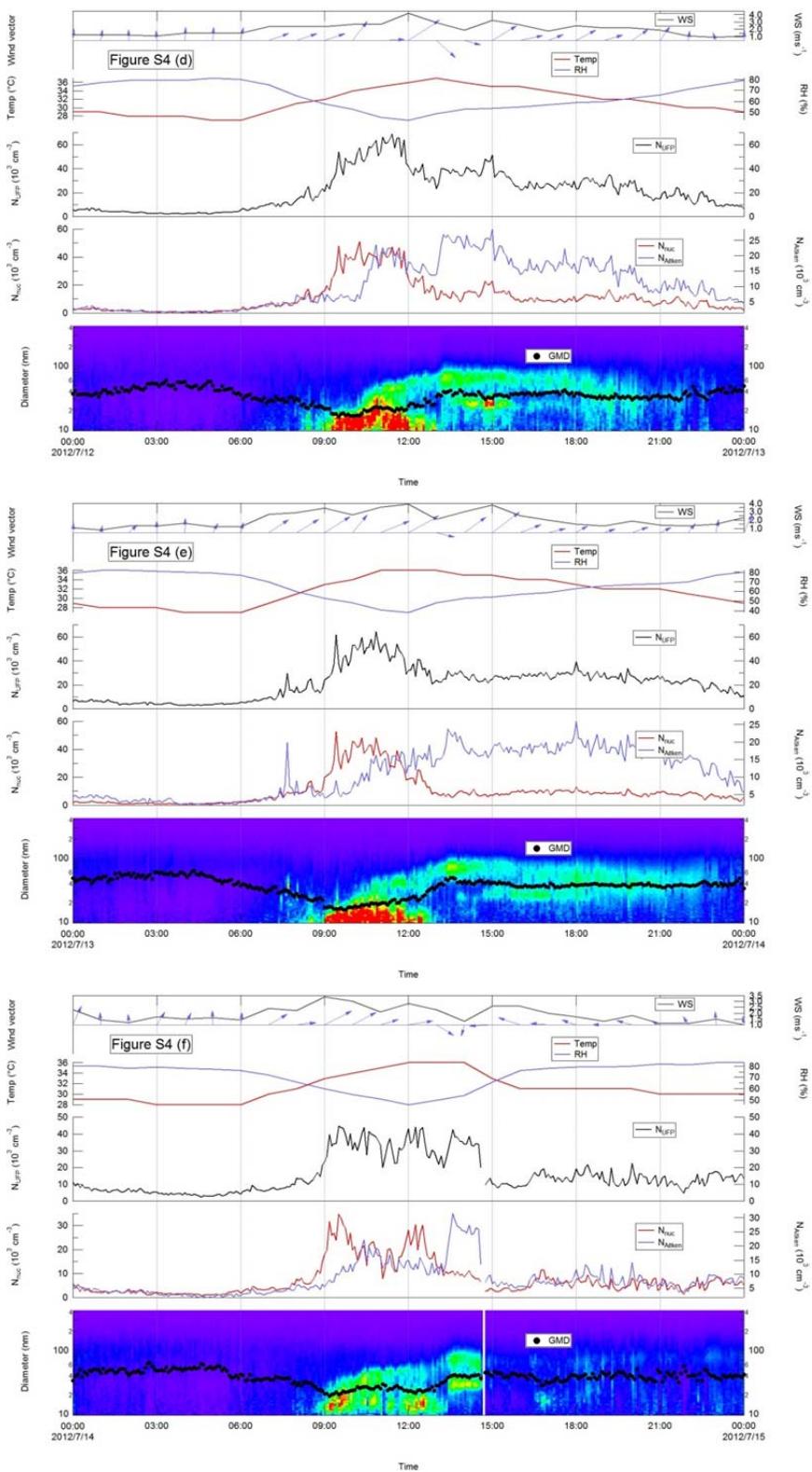


Figure S4. Continued.

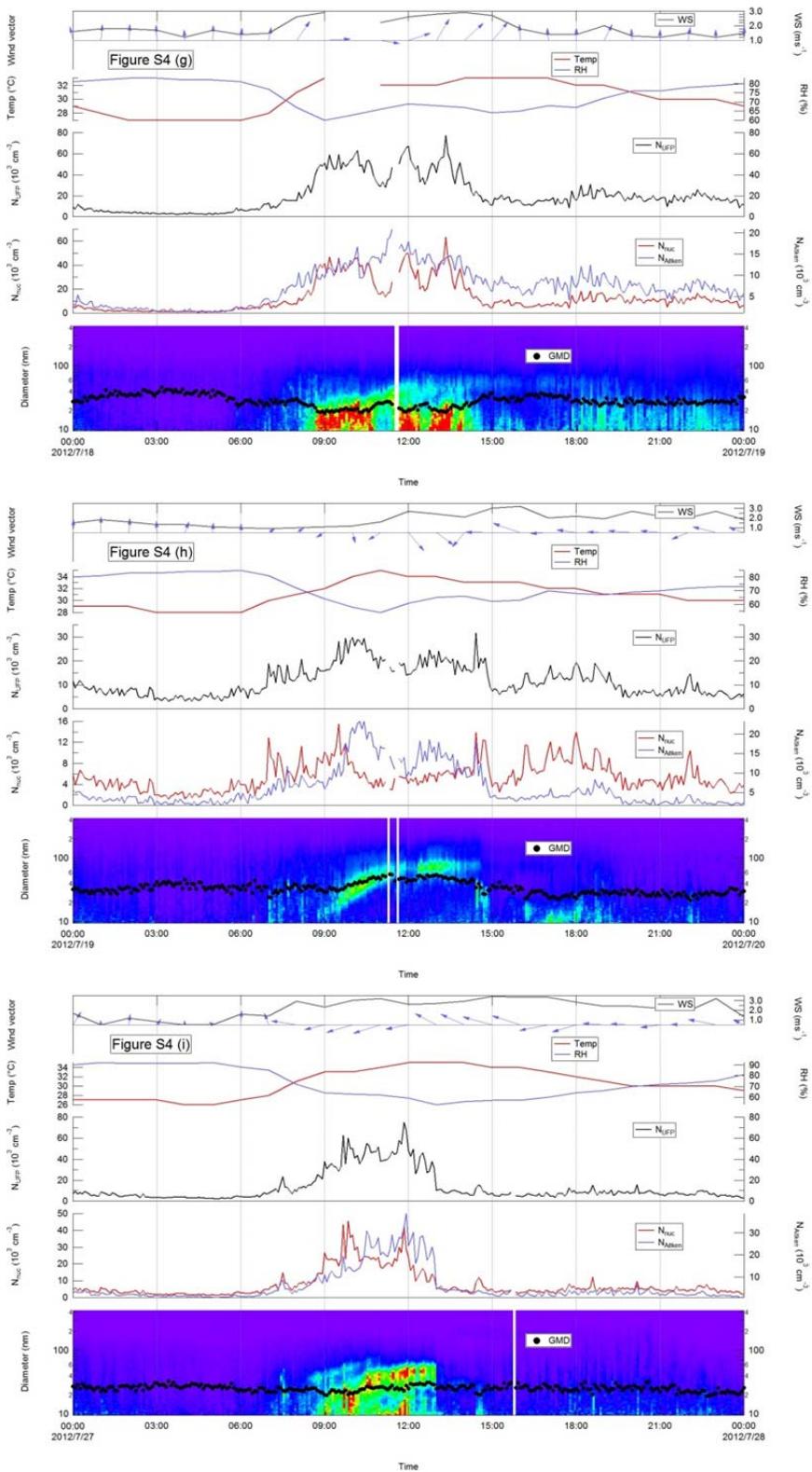


Figure S4. Continued.