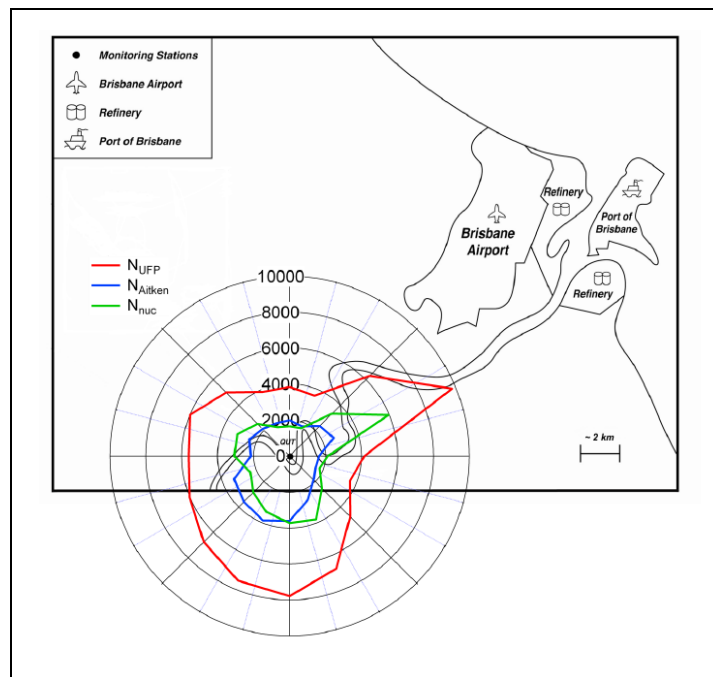


1 **Observation of new particle formation in subtropical urban environment**

2

3 **Supplimentary materials**

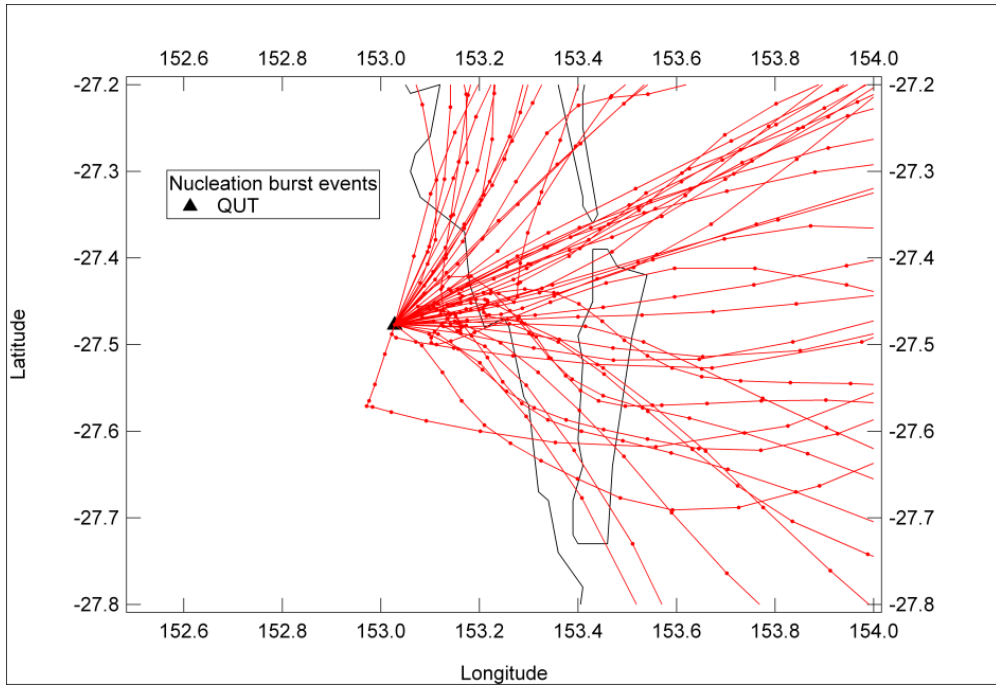
4



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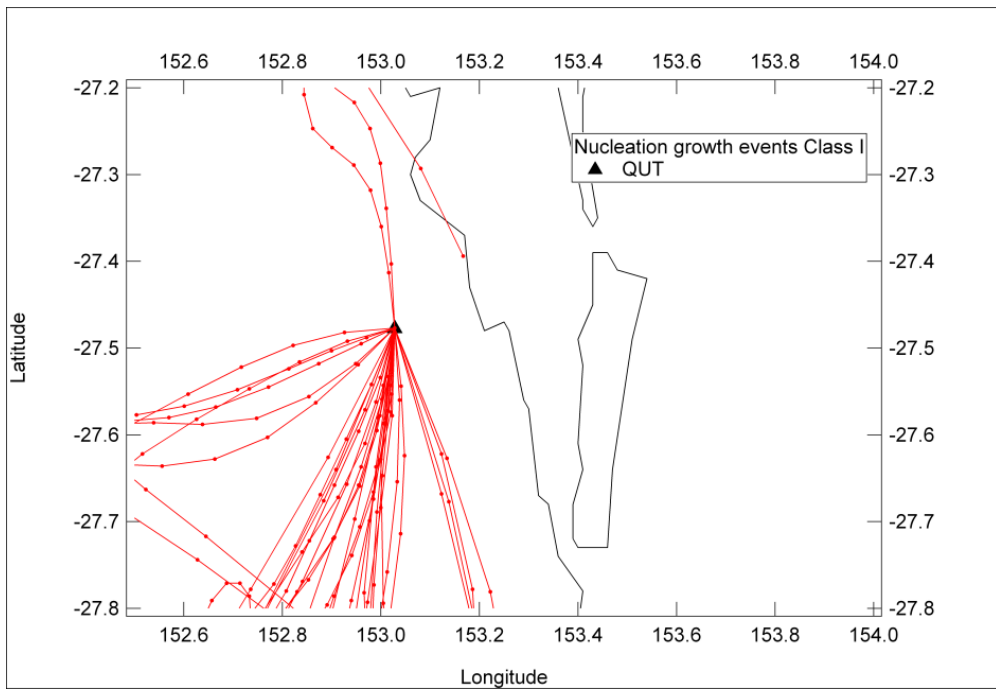
6 Figure S1: Wind rose plot of  $N_{\text{UFP}}$ ,  $N_{\text{Aitken}}$  and  $N_{\text{nuc}}$  superimposed over the location map. The  
7 origin of the wind rose is located at QUT.  $N_{\text{UFP}}$  - red line;  $N_{\text{Aitken}}$  - blue line;  $N_{\text{nuc}}$  - green line.  
8 Unit in  $\text{cm}^{-3}$ .

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Figure S2. Back-trajectories calculated during the nucleation burst events.



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Figure S3. Back-trajectories calculated during the class I nucleation growth events