Examining the vertical profile of NPF at SGP

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Samuel E. O'Donnell, Ali Akherati, Yicong He, Anna L. Hodshire, John E. Shilling, Chongai Kuang, Jerome D. Fast, Fan Mei, Siegfried Schobesberger, Joel A. Thornton, James N. Smith, Shantanu H. Jathar, Jeffrey R. Pierce

Column model of aerosol

In review, JGR

Initiate the model with

gases and aerosols.

profile of nucleation.

observed pre-nucleation

Evaluate if model predicts the

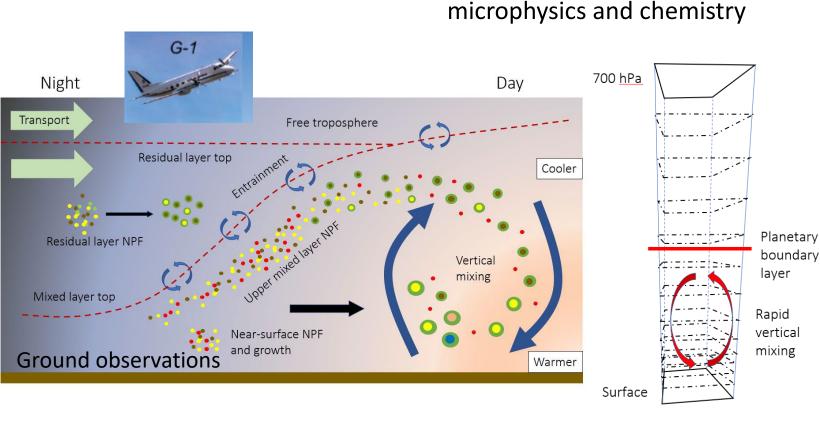
Examine drivers of the vertical

time evolution of aerosols.

1

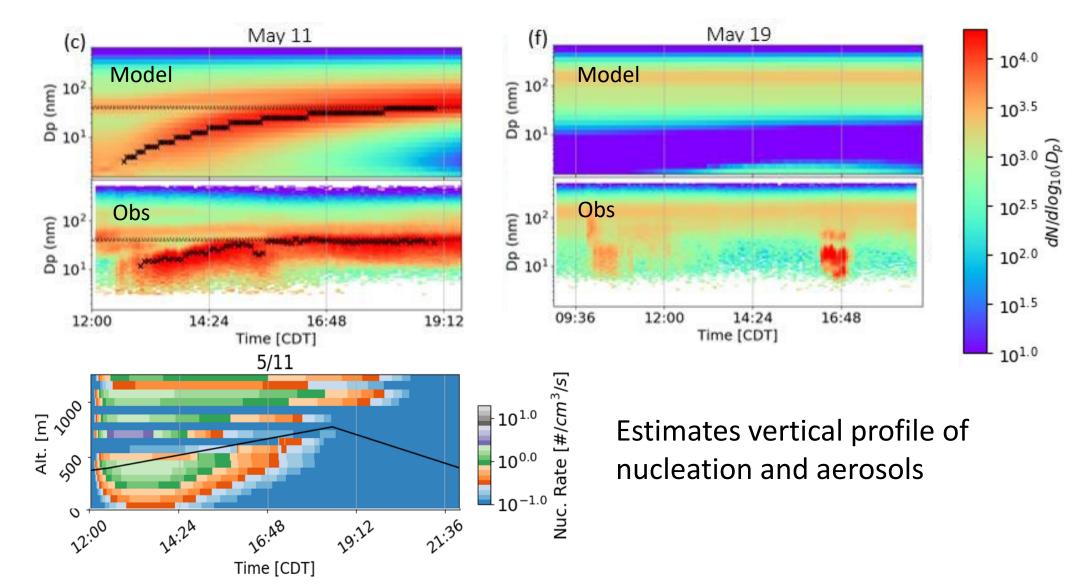
2.

3



HI-SCALE Observations at SGP

Model predicts nucleation events and non-nucleation events at the surface



Most important factors influencing the vertical profile of nucleation *in the model*.

