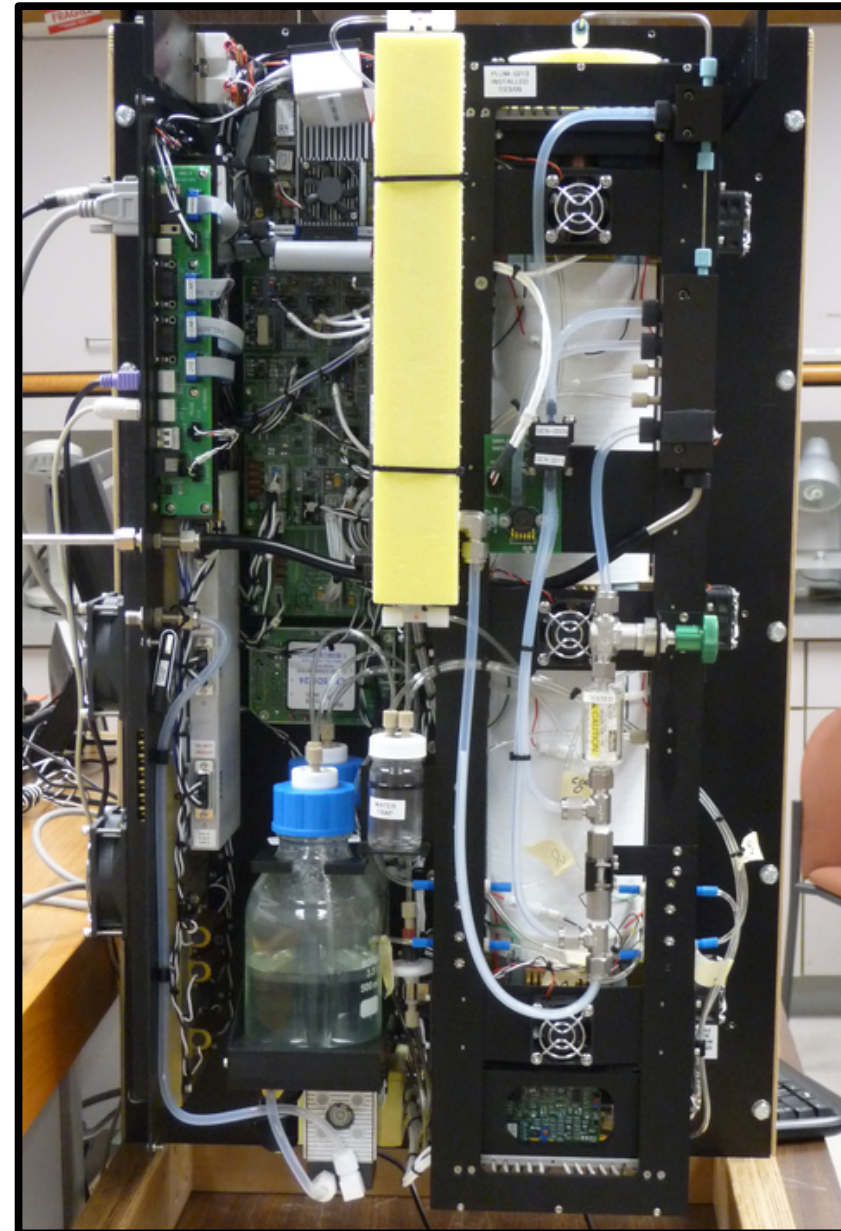


Measurements: Key to Scientific Progress

David Delene

Department of
Atmospheric Sciences
University of North Dakota



Airborne Measurements: Around the World And in North Dakota



King Air 200 Bamako, Mali 2008 Season

CCNC

Temp
LWC

AIMMS

2DC

PCASP

FSSP

Bamako, Mali, West Africa

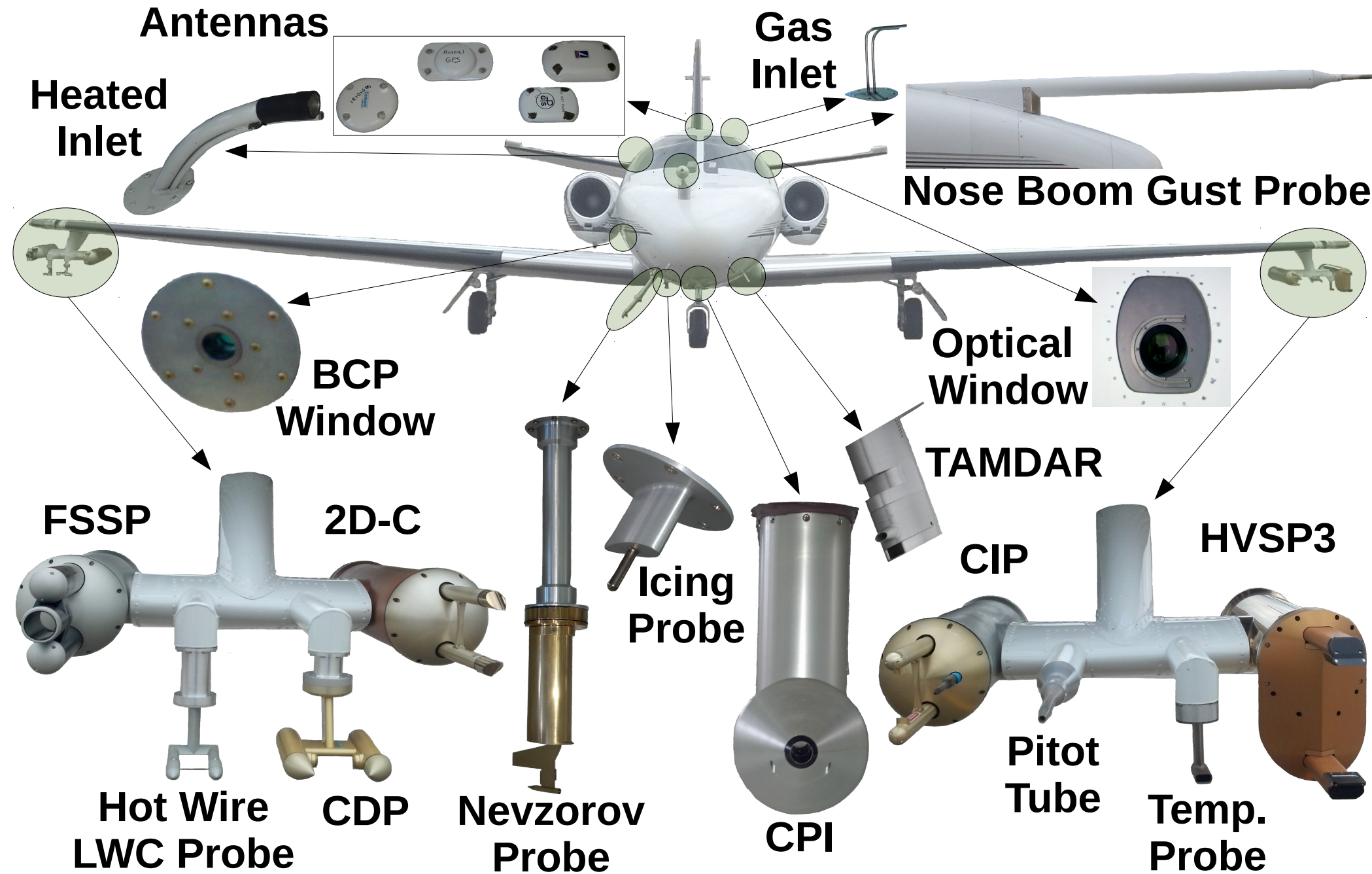


King Air 200 Saudi Arabia Spring 2009





University of North Dakota Citation Research Aircraft



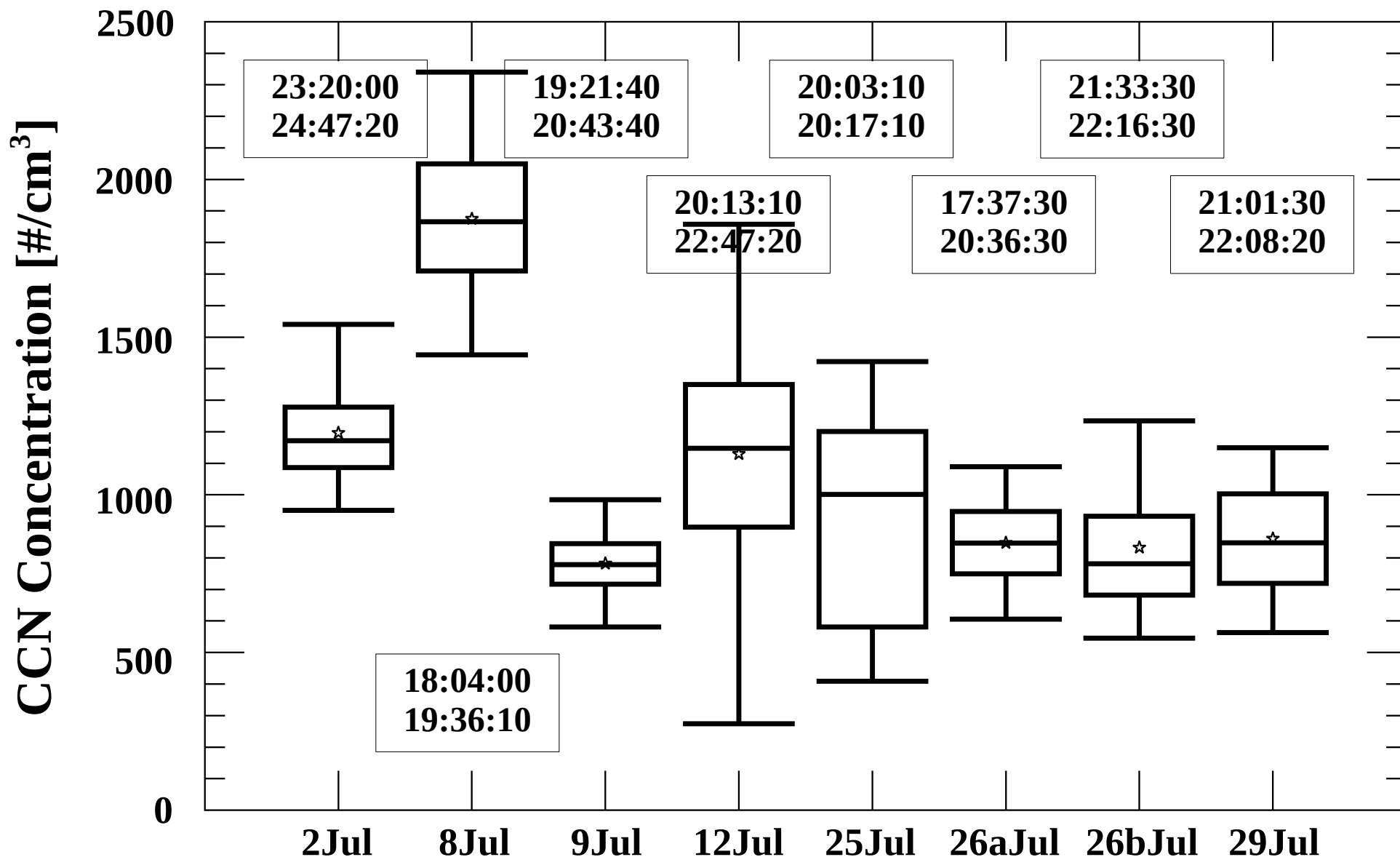
Gravenhurst, Ontario - Winter 2012



Grand Forks, North Dakota – April 15, 2012



Cloud Base – North Dakota 2012



Statistical distributions near cloud base of 30 s, 0.6 % ambient supersaturation Cloud Condensation Nuclei (CCN) adjusted to standard temperature and pressure. Measurements are using the University of Wyoming (Uwyo) CCN counter. Star symbols are means, horizontal line is the 50th percentile, top of the box is the 75th percentile, bottom of the box is the 25th percentile, and the top and bottom of the whiskers are the 95th and 5th percentiles, respectively.













































