

Strapp HAIC-HIWC Research Update

Prepared by Walter Strapp, 10-Nov-15

Appendix D

- No significant updates since March 2015 due to 2 flight programs and Cayenne IKP data analysis. Preliminary Darwin analysis for TWC done.
- Cayenne Falcon-20 IKP2 data analysis draft version – final SAFIRE data set expected soon.
- Can soon work on integrating Cayenne data into Appendix D analysis, once final data set is complete
- DC-8 IKP analysis to be completed end of January 2016, so can also integrate DC-8 TWC data starting around February 2016.
- Overall time frame: Falcon-20 (Darwin + Cayenne) + DC-8 completion around September 2016. Convair data TBD based on data delivery

Appendix D (cntd)

- Working with statisticians on Appendix D statistical uncertainty
 - Decision to analyze data two different ways. New way is thought to be closer to what was done for Appendix C.
- Working with Alain (lead) on extending Appendix D using W-band radar data. Meetings to discuss results while in Melbourne.

Instrumentation

- Lilie and Strapp still plan to continue work on characterizing collection factor of robust probe for ice.
- Ratvasky, Lilie, Strapp, and Davison to work on technical report describing IKP2.

End of Presentation

Merci, Thank You