

Flight Scientist Report
Sunday 03/08/2020 ACTIVATE RF17

Flight Type: Statistical Survey Flight – Clouds
Flight Route: OXANA – southeast point
Special Notes:

King Air

- Late take off due to issue with door latching and RSP not starting up.

Instruments:
RSP down

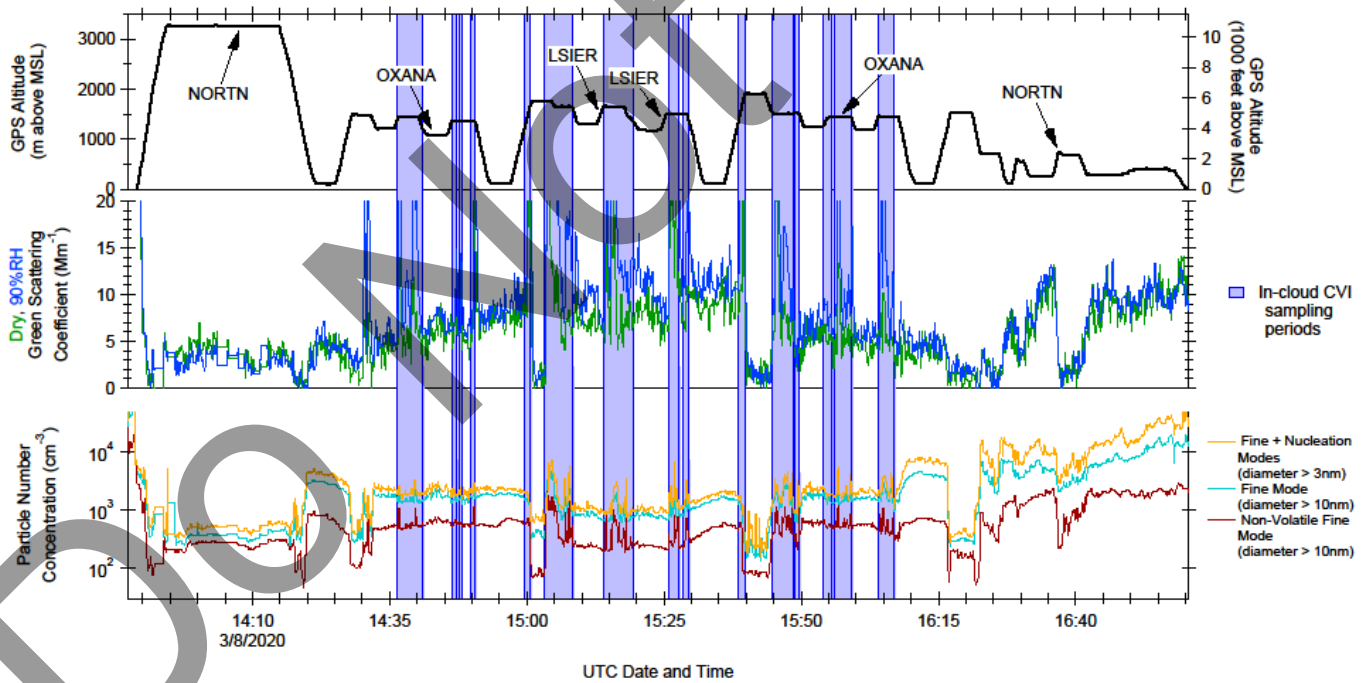
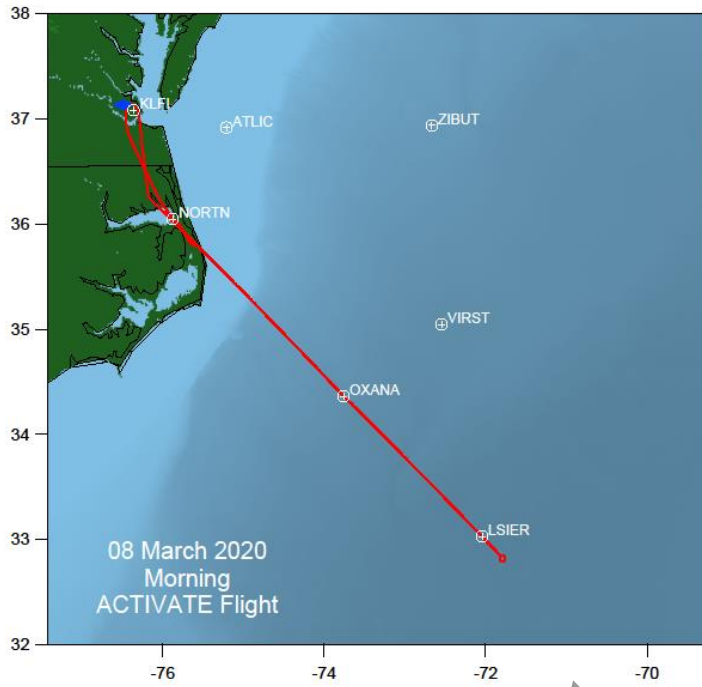
Falcon

- 3 cloudy surveys

Instruments:
Fine

Do Not Cite!

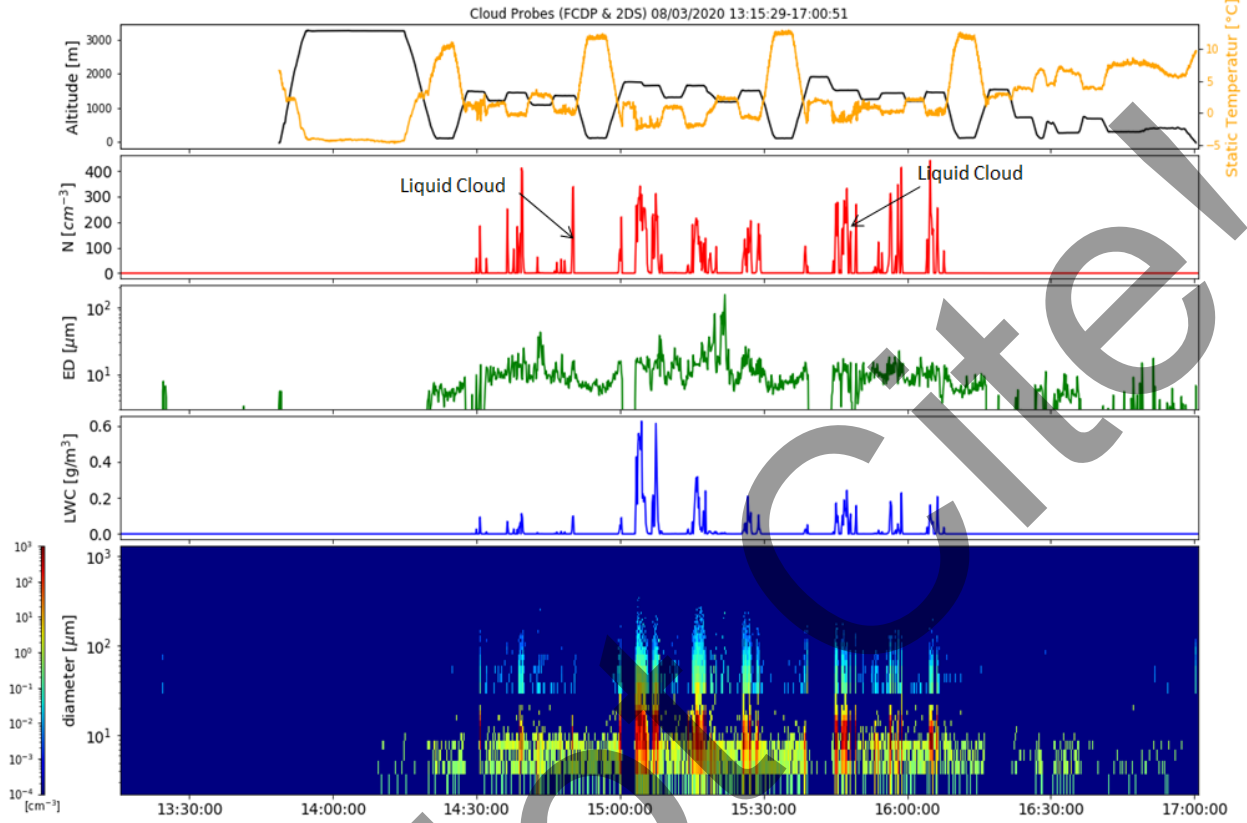
Rich Moore Quicklook Images:



Quicklook ACTIVATE Cloud Probes (FCDP & 2DS)

preliminary data, only for quicklook use

Simon Kirschler, Christiane Voigt, Richard Moore, Ewan Crosbie



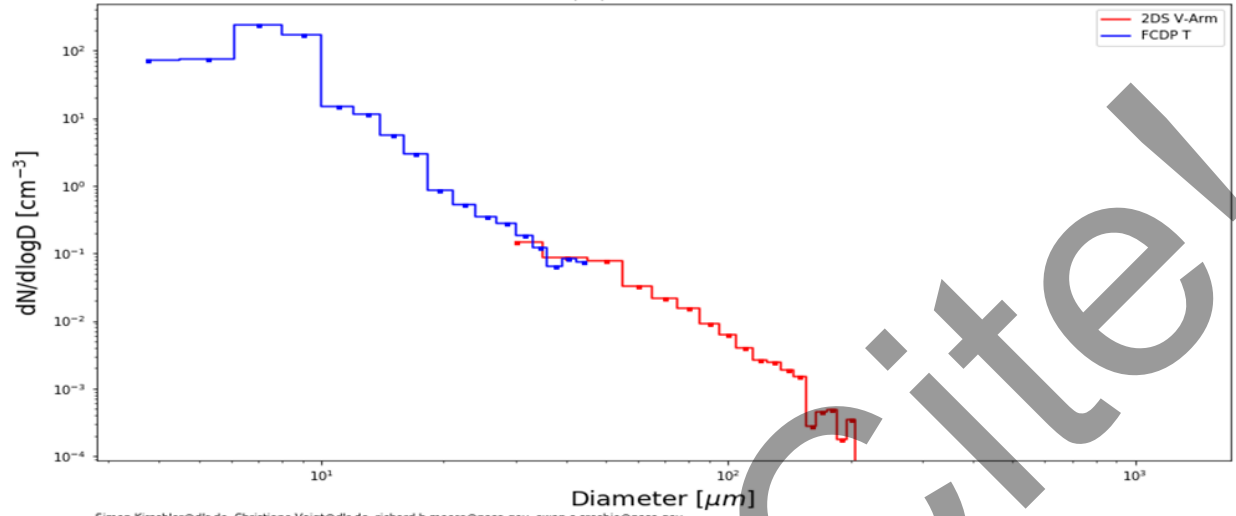
Simon.Kirschler@dlr.de, Christiane.Voigt@dlr.de, richard.h.moore@nasa.gov, ewan.c.crosbie@nasa.gov

PSD ACTIVATE

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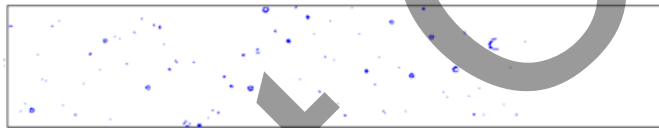


PSD 08/03/2020 15:38:30-15:39:00

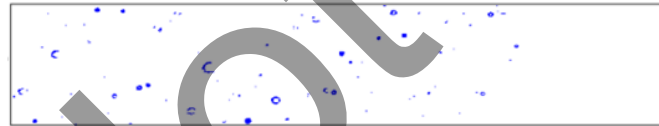


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Liquid Cloud: 14:50:22



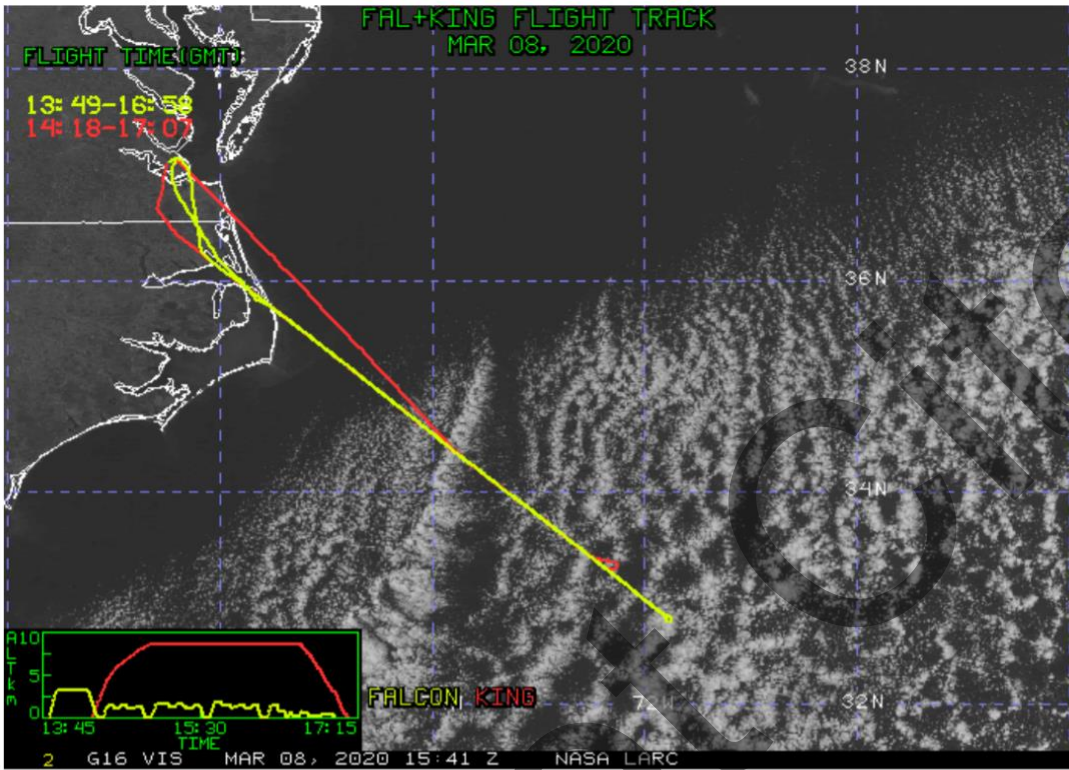
Liquid Cloud: 15:38:39



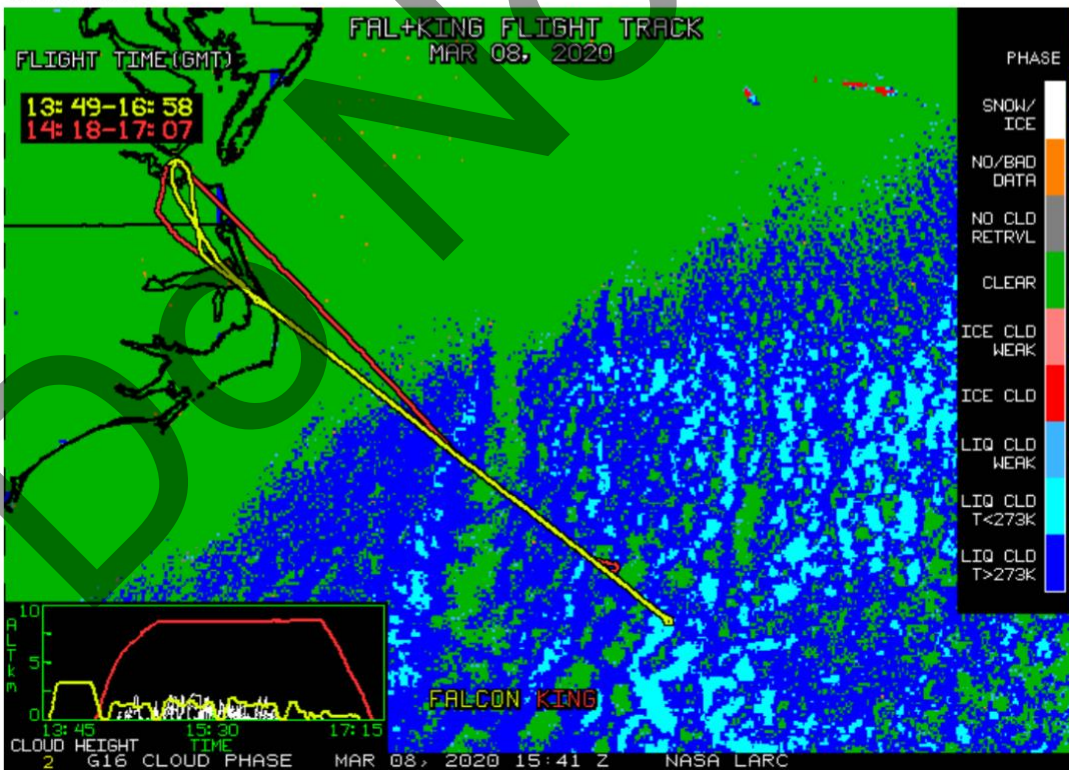
Do Not Cite!

NASA-LaRC Clouds Group GOES-16 Quicklook Images for Flight 17, 15:41 UTC Mar 08, 2020 (near middle of flight)

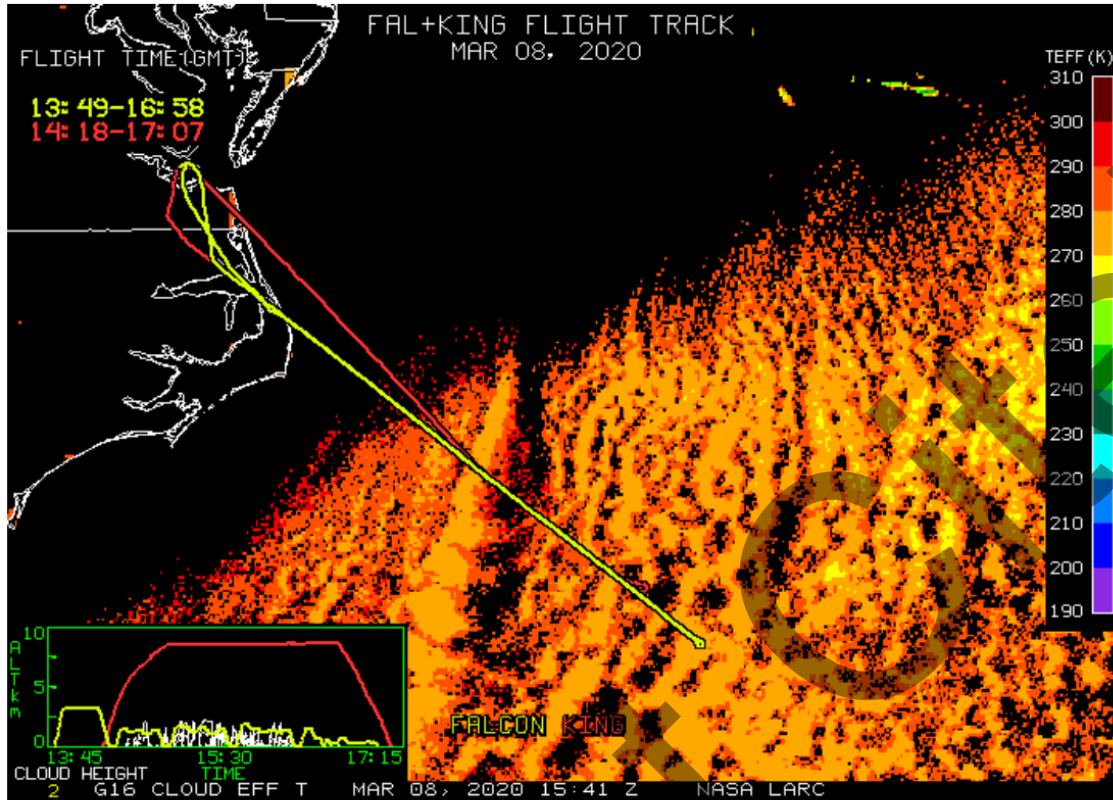
Visible Image



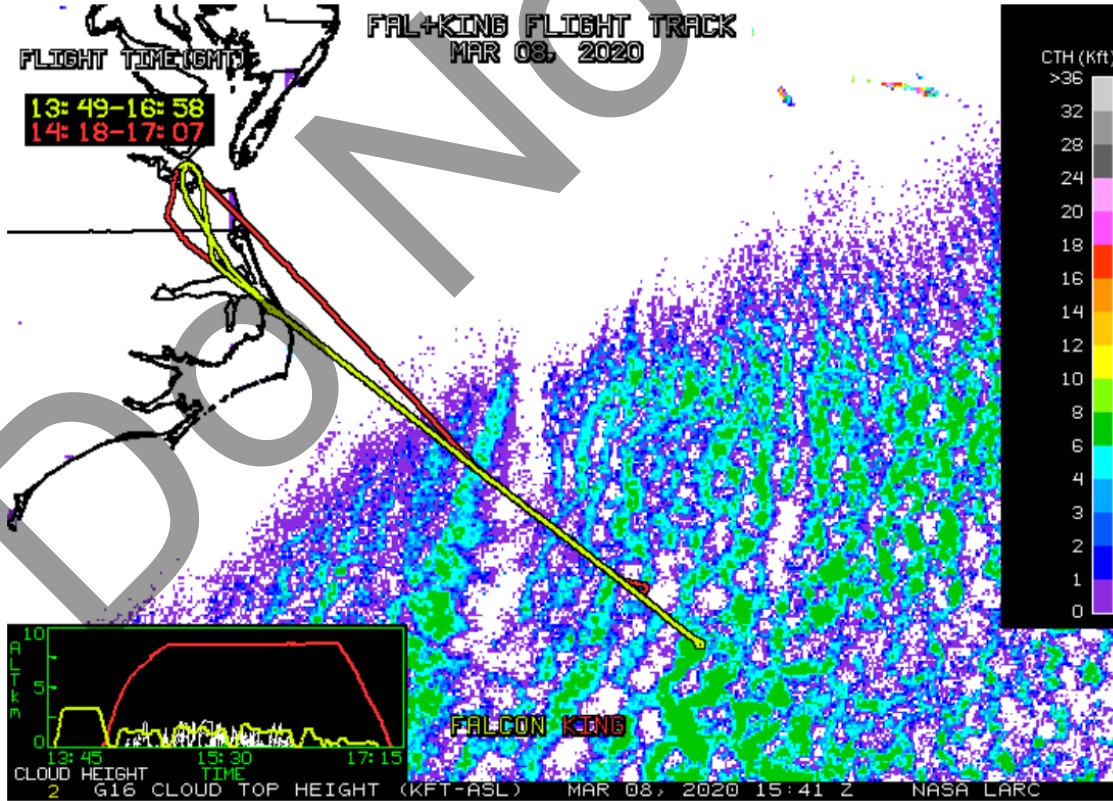
Cloud Phase



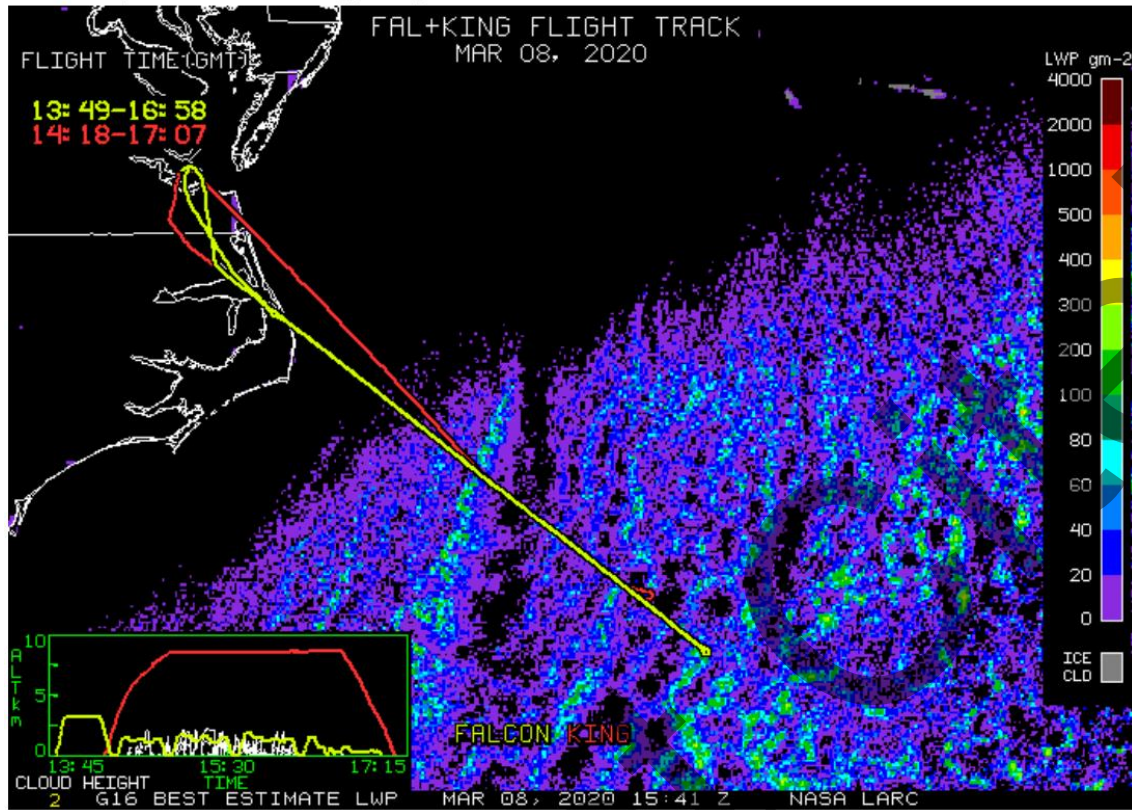
Cloud Effective Temperature (K)



Cloud-Top Height (Kft-ASL)



Cloud Liquid Water Path (gm-2)



Cloud Droplet Number Concentration (cm-3)

