Flight Scientist Report
Friday 03/01/2020 ACTIVATE RF14

Flight Type: Statistical Survey Flight – Clouds
Flight Route: ATLIC-northeast point-southeast point-ZIBUT-ATLIC-KPHF
Special Notes: Stat survey with focus on working downwind of the centerpoint of first flight and then coming back to KPHF directly in order to maximize range on the downwind leg (i.e., retracing steps back would take long and limit downwind distance)

**King Air**
- All fine

Instruments:
Fine

**Falcon**
- The “cloud evolution” leg had a transition towards having showers at the end of the leg with what may have been freezing drizzle and rimed ice. Past the endpoint of the evolution leg the satellite imagery shows transition to open cell structure

Instruments:
Fine
Rich Moore Quicklook Images:
NASA-LaRC Clouds Group GOES-16 Quicklook Images for Flight 14, 20:01 UTC Mar 01, 2020  
(near middle of flight)

Visible Image

Infrared Image

Do Not Cite!
Cloud Phase

Cloud Optical Depth
Cloud Effective Temperature (K)

Cloud-Top Height (Kft-ASL)