Flight Scientist Report
Tuesday 03/29/2022 ACTIVATE RF148

Flight Type: Process Study Flight

Flight Route:

Special Notes: Second of two flights to mostly re-trace the first flight but fitting in Falcon 'miniwalls' where stacked level legs are conducted to help get data in the same vertical column.

King Air

Pilot report (Wusk):

Second joint flight of a two-sortie day. KLFI ATLIC ZIBUT 3655N07034W WEBBB FISSH DARTT KLFI. 4 sondes. Crew was Coldsnow, Wusk, Singler.

Flight scientist report (Shingler):

KLFI ATLIC ZIBUT 36.92N/70.57W WEBBB FISSH DARTT KLFI

Plan is to almost repeat the track from RF147 but for the HU25 to do mini walls along the money leg. First wall was right after the eastern point turn and second wall was just before WEBBB. Coordination worked well this flight. RF148 looked similar in cloud scene to RF147.

4 SONDES

WALL1

WALL2

LYNUS

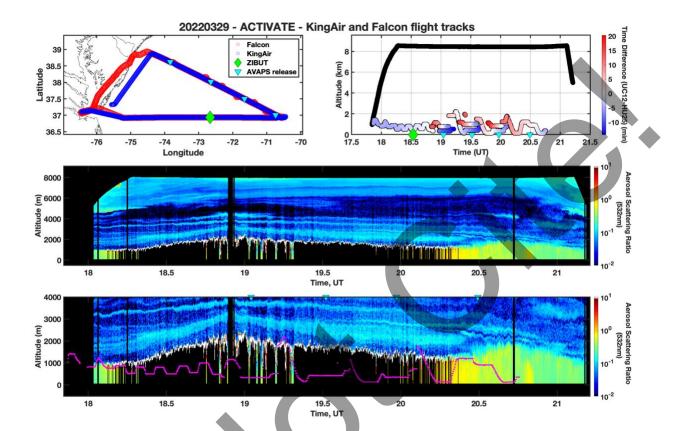
WICKE

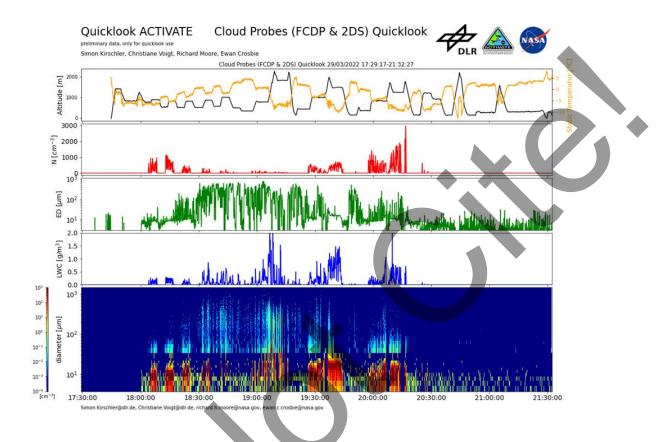
<u>Falcon</u>

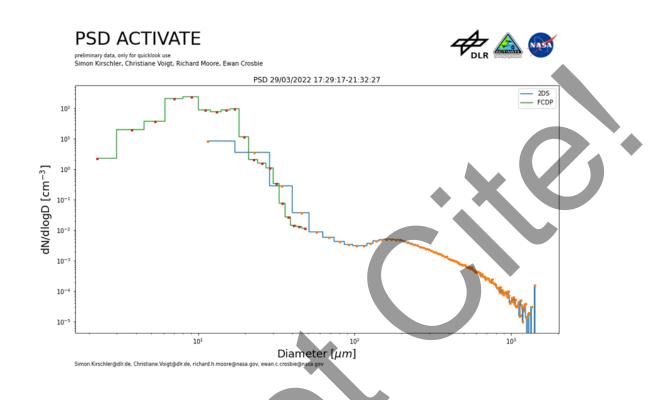
Pilot report (Slover):

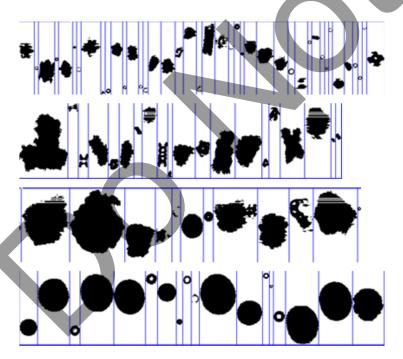
ACTIVATE cold air outbreak flight flown counter-clockwise around W-386 from KLFI - ATLIC - ZIBUT - N3655/W07034 - WEBBB - FISSH - ZIZZI - RADDS - JAMIE - KLFI. From ATLIC - ZIBUT - N3655/W07034, BCB/ACB sampling was done whole time. On N3655/W07034 - FISSH, three "mini-walls" were flown. First one just west of N3655/W07034, second just east of WEBBB and third centered near LYNUS. High altitude strong westerly winds over 100 kts made coincidental flight challenging, but with the extra fuel and three mini-walls, coincidence was well maintained. A military UAS in the W-386 "D" area between FISSH and DARTT drove HU-25 to decide to fly low over land while UC-12 flew just offshore.

Flight scientist report ():









Mixed phase clouds with Precip.

NASA-LaRC Clouds Group GOES-16 Quicklook Images for Flight 148, 19:21 UTC Mar 29, 2022 Visible Image

