Payload 3 Daily Flight Report

Date: 2024-05-20
Flight Campaign ID: P3C1
Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEKY) - Bessemer, AL
Aircraft: N821AR

Domain: 08 (Ozarks Complex)
Sites Flown: None
Days left in Domain: 13

Report Author: Elissa
Lidar Operators: Elissa
Spectrometer Operators: Mike
Pilots: Justin, Will
Flight Hours: 01:09
Hours until maintenance: 71.50
GPS Instruments: N/A

Summary
We observed a very brief window of green sky conditions at our southern sites this morning, but encountered a fueling delay at the airport and were not able to get airborne quickly enough. Sky conditions were still clear at LENO and DELA upon take off, but rapidly deteriorated once in the air. Low clouds prohibited any red collection as well. We expect a slightly better weather pattern tomorrow.

Concerns
None.

Comments
We are working with D08 field staff to coordinate this week’s flight attempts with aquatic sampling on the ground.

Cumulative Domain Coverage

Estimated Cloud Cover Key
Green: 0-10%
Yellow: 11-50%
Red: >50%

Solar Angle Less Than 40 degrees

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Flown: 0% (0/26)
Green: 0% (0/26)
Yellow: 0% (0/26)
Red: 0% (0/26)
Flight Collection Plan for 21 May 2024

Flyority 1
Collection Area: Dead Lake (DELA) – Priority 1 Flight Box
Flight Plan Name: D08_DELA_R1_P1_v2_Q780
On-Station Time: 1420 UTC/ 0920 L

Flyority 2
Collection Area: Talladega National Forest (TALL)
Flight Plan Name: D08_TALL_C1_P1_v2_Q780
On-Station Time: 1410 UTC/ 0910 L

Flyority 3
Collection Area: Lenoir Landing (LENO)
Flight Plan Name: D08_LENO_R2_P1_v2_Q780
On-Station Time: 1420 UTC/ 0920 L

Flyority 4
Collection Area: Dead Lake (DELA) – Priority 2 Flight Box
Flight Plan Name: D08_DELA_R1_P2_v2_Q780
On-Station Time: 1420 UTC/ 0920 L

Flyority 5
Collection Area: Jones Ecological Research Center (JERC) P1
Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml
On-Station Time: 1420 UTC/ 1020 L

Crew: Mike (Lidar), Elissa (NIS)