Payload 3 Daily Flight Report

Date: 2022-05-06  
Flight Campaign ID: P3C1  
Airport, FBO ID, City: Salt Lake City International Airport (KSLC) - Salt Lake City, UT  
Aircraft: N70AR

Domain: 15 (Great Basin)  
Sites Flown: ONAQ (Onaqui), REDB (Red Butte)  
Days left in Domain: 5

Report Author: Abe  
Lidar Operators: Abe  
Flight Hours: 03:38  
Spectrometer Operators: Michael  
Hours until maintenance: 94.17  
Pilots: Jeremy, Nick  
GPS Instruments: C-ZLC1, U-P016

Summary
Mainly clear skies this morning were quite promising, but an extremely heavy haze layer and building stratus kept the sky conditions in “yellow” to “red”. The remaining lines in the ONAQ box were completed and the REDB box was also completed. Initial coverage at all sites has been completed, and the crew will monitor and re-fly if “green” sky conditions arise.

Concerns
None

Comments
- Cameron Departed this morning.  
- Pilot Nick will depart tomorrow evening being replaced by Stephen.  
- Mitch will arrive tomorrow.

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

D15|ONAQ

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Total number of lines flown: 9
D15 | REDB

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Total number of lines flown: 18

Flight Screenshots

Lidar

ONAQ

REDB

Pictures

Arrival at ONAQ at start of solar angel, heavy haze around the region. Pic by Abe.
Cumulative Domain Coverage

D15 | MOAB (Moab)

Flown: 100% (29/29)
Green: 100% (29/29)
Yellow: 0% (0/29)
Red: 0% (0/29)

D15 | ONAQ (Onaqui)

Flown: 100% (42/42)
Green: 0% (0/42)
Yellow: 40% (17/42)
Red: 60% (25/42)

D15 | REDB (Red Butte)

Flown: 100% (19/19)
Green: 0% (0/19)
Yellow: 26% (5/19)
Red: 74% (14/19)

Weather Forecast
Salt Lake City, UT

Flight Collection Plan for 7 May 2022

Flyority 1
Collection Area: Onaqui (ONAQ) ** If “Green” Sky Conditions**
Flight Plan Name: D15_ONAQ_C1_P1_v3_Q780
On-station Time: 1610 UTC / 1010 L

Flyority 2
Collection Area: Red Butte (REDB) ** If “Green” Sky Conditions**
Flight Plan Name: D15_REDB_A1_P1_v2_Q780
On-station Time: 1610 UTC / 1010 L

Flight Crew:
Mike (Lidar), Abe (NIS)