Payload 1 Daily Flight Report

Date: 2021-06-01
Flight Campaign ID: P1C2
Airport, FBO ID, City: Asheville Regional Airport (KAVL) - Fletcher, NC
Aircraft: N331AR

Domain: 07 (Appalachians & Cumberland Plateau)
Sites Flown: None
Days left in Domain: 29

Report Author: Ivana Vu
Lidar Operators: Ivana Vu
Spectrometer Operators: John Adler
Pilots: Justin Eddington, Vince Maarschalkerweerd
Flight Hours: 00:00
Hours until maintenance: 76.35
GPS Instruments: None

Summary
Low overcast clouds prevented flights today and our focus shifted to handing off information to incoming crew.

Concerns
- Optech has opened a service ticket with their engineering team to investigate yesterday’s lidar issue.
- GPS station status reported by TDOT is inconsistent with CORS website. Our TDOT contact has been notified and is currently investigating the statuses of TN1A and TN16.

Comments
- Flight line altitudes at ORNL were increased by 100ft to prevent future laser shutoffs. Updates are reflected on page 4 of Flight Plan Summary (v3).
- ASO rotation: John replaced Elissa today and Mike will replace Ivana tomorrow.

Cumulative Domain Coverage
Estimated Cloud Cover Key

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D07| GRSM_P1 (Great Smoky Mountains National Park Priority 1)

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Flown: 0% (0/69)
Green: 0% (0/69)
Yellow: 0% (0/69)
Red: 0% (0/69)
D07|GRSM_P2 (Great Smoky Mountains National Park Priority 2)

Flown: 0% (0/20)
Green: 0% (0/20)
Yellow: 0% (0/20)
Red: 0% (0/20)

D07|MLBS (Mountain Lake Biological Station)

Flown: 0% (0/34)
Green: 0% (0/34)
Yellow: 0% (0/34)
Red: 0% (0/34)

D07|N07A (D07 Nominal Runway)

Flown: 0% (0/1)
Green: 0% (0/1)
Yellow: 0% (0/1)
Red: 0% (0/1)

D07|ORNL (Oak Ridge National Laboratory)

Flown: 30% (18/61)
Green: 0% (0/61)
Yellow: 30% (18/61)
Red: 0% (0/61)

Weather Forecast
Gatlinburg, TN (GRSM)
### Flight Collection Plan for 2 June 2021

**Flyority 1**

**Collection Area:** Great Smoky Mountains National Park (GRSM) – Priority 1 Flight Box  
**Flight Plan Name:** D07_GRSM_R1_P1_P2_v5_PRM_Var_Alt.xml  
**On-Station Time:** 1400 – 2100 UTC / 1000 – 1700 L

**Flyority 2**

**Collection Area:** Oak Ridge National Laboratory (ORNL)  
**Flight Plan Name:** D07_ORNL_C1_P1_v9_PRM.xml  
**On-Station Time:** 1400 – 2100 UTC / 1000 – 1700 L

**Flyority 3**

**Collection Area:** Great Smoky Mountains National Park (GRSM) – Priority 2 Flight Box  
**Flight Plan Name:** D07_GRSM_R1_P1_P2_v5_PRM_Var_Alt.xml  
**On-Station Time:** 1400 – 2100 UTC / 1000 – 1700 L

**Crew:** John, Mike & Ivana