# Payload 1 Daily Flight Report

**Date**: 2022-06-29
**Flight Campaign ID**: P1C1
**Airport, FBO ID, City**: Bozeman Yellowstone International Airport (KBZN) - Belgrade, MT
**Aircraft**: N331AR

**Domain**: 12 (Northern Rockies)
**Sites Flown**: None
**Days left in Domain**: 1

**Report Author**: Cameron
**Lidar Operators**: Cameron                **Flight Hours**: 00:00
**Spectrometer Operators**: Michael    **Hours until maintenance**: 0.00
**Pilots**: Justin , Robbie

## Summary

The Twin Otter Is undergoing routine maintenance which should be completed tonight or sometime tomorrow. The Otter is expected to transit to D16 on Friday morning.

## Concerns

- None

## Comments

- RAIDs 08 and 09 were shipped to the data center.
- The vacuum pump will arrive in D16 on Friday. Upon arrival, the system will begin its pumping and cooling process.
- Flight Disks set 6 was shipped back to the PIF and will undergo Hotel Kit testing.
- GPS 6 was shipped back to the PIF.
- Upon retrieval of the GPS unit, the KBZN Fire and rescue team gave us an impromptu tour of their facility and equipment.
- A B17 Bomber is visiting KBZN repairing its landing gear in front of the Otter. The repairs are expected to be completed either today or tomorrow.

## Daily Coverage

Estimated Cloud Cover Key

| Green: 0-10% | Yellow: 11-50% | Red: >50% |
|---|---|---|

**Flight Screenshots: None**

**Pictures**



**Top**: B17 Bomber in our hangar repairing its landing gear
**Bottom**: Mike and Cam getting a tour from the Airports Fire and Rescue team



**Cumulative Domain Coverage**

D12│N12A (D12 Nominal Runway )

| 1 | 2 |
|---|---|

Flown: 100% (2/2)
Green: 100% (2/2)
Yellow: 0% (0/2)
Red: 0% (0/2)

## D12|YELL (Yellowstone Northern Range)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | | | | | | | | | | | | | | | |

Flown: 100% (85/85)
Green: 100% (85/85)
Yellow:  0% (0/85)
Red:   0% (0/85)

## Weather Forecast

Bozeman, MT

| Thu 6/30 | Fri 7/1 |
|----------|---------|
| 78° \| 49°F | 81° \| 50°F |
| Sunny | Mostly Sunny |
| 0 in | 0 in |

Hillsboro, OR
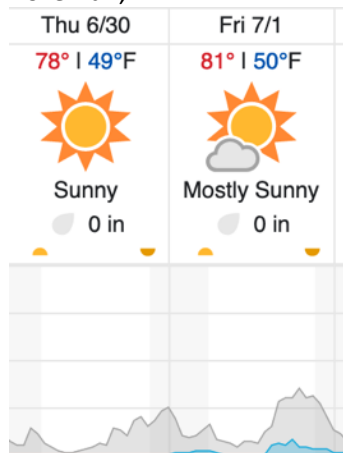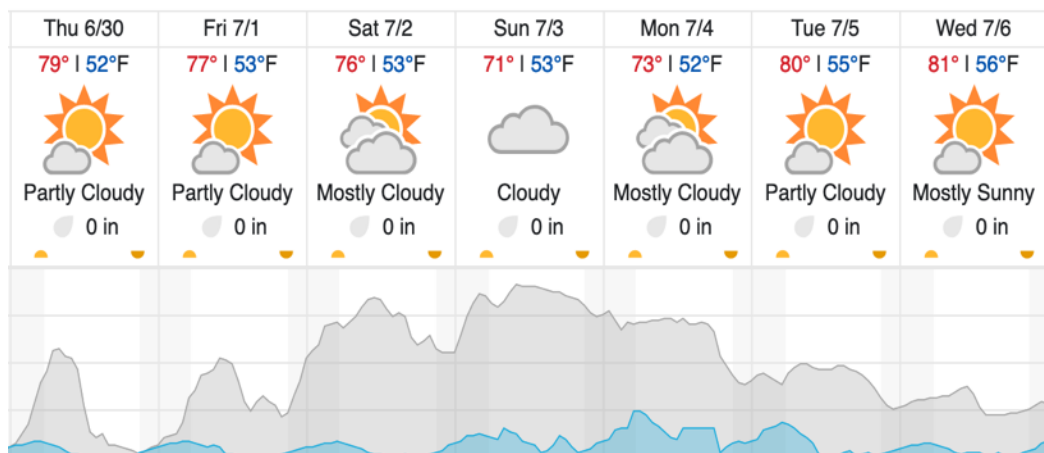
| Thu 6/30 | Fri 7/1 | Sat 7/2 | Sun 7/3 | Mon 7/4 | Tue 7/5 | Wed 7/6 |
|----------|---------|---------|---------|---------|---------|---------|
| 79° \| 52°F | 77° \| 53°F | 76° \| 53°F | 71° \| 53°F | 73° \| 52°F | 80° \| 55°F | 81° \| 56°F |
| Partly Cloudy | Partly Cloudy | Mostly Cloudy | Cloudy | Mostly Cloudy | Partly Cloudy | Mostly Sunny |
| 0 in | 0 in | 0 in | 0 in | 0 in | 0 in | 0 in |

| Cloud Cover (%) | Chance of Precip. (%) |
|-----------------|-----------------------|

source: wunderground.com

## Flight Collection Plan for July, 1 2022

Transit > D16

Crew: Mike (Transit) Cam (Ground)