



April 2, 2019 Payload 3 Daily Flight Report



Date: 2019-04-02

Flight Campaign ID: 2019_P3C1

Airport, FBO ID, City: Boulder Municipal Airport (KBDU) - Boulder, CO

Domain: 00

Sites Flown: W10C (Wiggle Timing Test - Riegl)

Days left in Domain: 15

Report Author: Michael Wussow

Flight Crew: Michael Wussow, Robb Walker, Matt Devoe

Ground/GPS: Nick Marusich

Pilots: Mike Francis, Mark Solper

Additional Personnel:

GPS Instruments: 01 - FBO_KBDU

Flight Hours: 01:25

Hours until maintenance: 123.58

Summary

Payload Three crew made the best of low clouds and potential precipitation today and was able to complete the Wiggle Timing test flight in combination with Mike Wussow's Riegl lidar re-certification.

Concerns

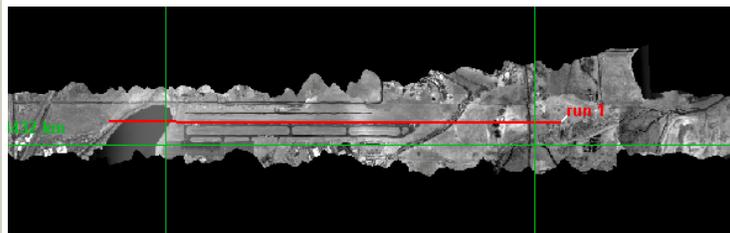
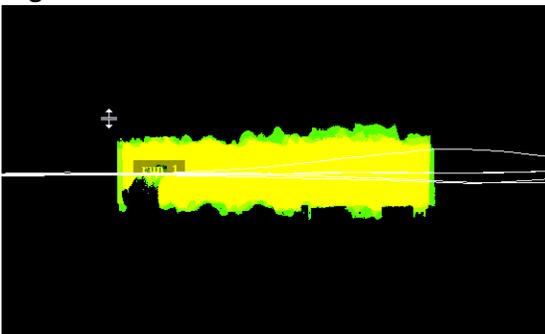
None

Comments

-NIS MarsRover was not acquiring a GPS signal after normal startup and reboot procedures. The problem was found to be the Power Distribution Panel P5 cable being initially plugged into the wrong port on the NIS rack. It was moved from the J3 to the J5 port and the problem was resolved.

-A Mercury Lamp test was completed today

Flight Screenshots



Pictures



Low cumulus hanging around the foothills of Boulder today

Daily Coverage

W10C



Flown: 100% (2/2)

Green: 0% (0/2)

Yellow: 0% (0/2)

Red: 100% (2/2)

Cumulative Domain Coverage

B10D

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Flown: 0% (0/20)

Green: 0% (0/20)

Yellow: 0% (0/20)

Red: 0% (0/20)

H10C

1	2	3	4
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Flown: 0% (0/4)

Green: 0% (0/4)

Yellow: 0% (0/4)

Red: 0% (0/4)

O10B

1	2
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Flown: 0% (0/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 0% (0/2)

R10C

1	2	3	4	5
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Flown: 0% (0/5)
 Green: 0% (0/5)
 Yellow: 0% (0/5)
 Red: 0% (0/5)

W10C

1	2
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Flown: 100% (2/2)
 Green: 0% (0/2)
 Yellow: 0% (0/2)
 Red: 100% (2/2)

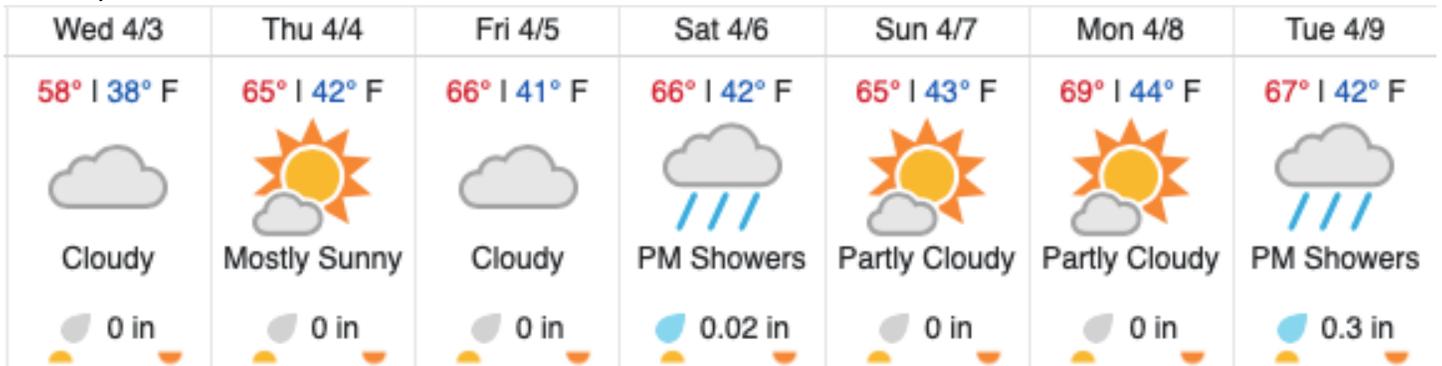
N10D

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		

Flown: 0% (0/14)
 Green: 0% (0/14)
 Yellow: 0% (0/14)
 Red: 0% (0/14)

Weather Forecast

Boulder, CO



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

Flight Collection Plan for 03 April 2019

Calibration Flights:

Collection Area: [Functional Checkout Flight] – Nominal Runway
Flight Plan Name: D10_N10D_Nominal_Rnwy_v8_Q780.rpp

Collection Area: NEON HQ LIDAR Validation
Flight Plan Name: D10_H10C_NEON_HQ_val_v1_Q780.rpp

When cloud conditions good:

Collection Area: Greeley Boresight
Flight Plan Name: D10_B10D_Boresight_Apx_Q780.rpp

Collection Area: Radiometric Calibration – Table Mountain
Flight Plan Name: D10_R10C_Rad_Cal_TBMT_v1_Q780.rpp

Collection Area: NIS Offset
Flight Plan Name: D10_O10B_NIS_Offset_v2_Q780.rpp

Training Flights:

Collection Area: Boulder City Nominal
Flight Plan Name: D10_V10C_East_West_v7_Q780.rpp

Crew: TBD