



Spectrometer	✓	✓	✓	✓	✓	✓	✓	✓	✓
Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cloud Cover									

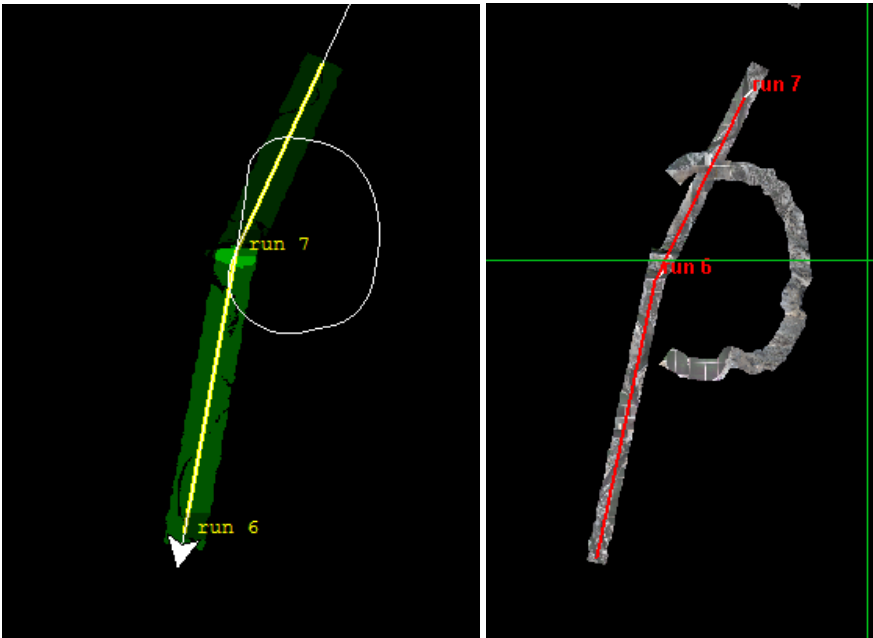
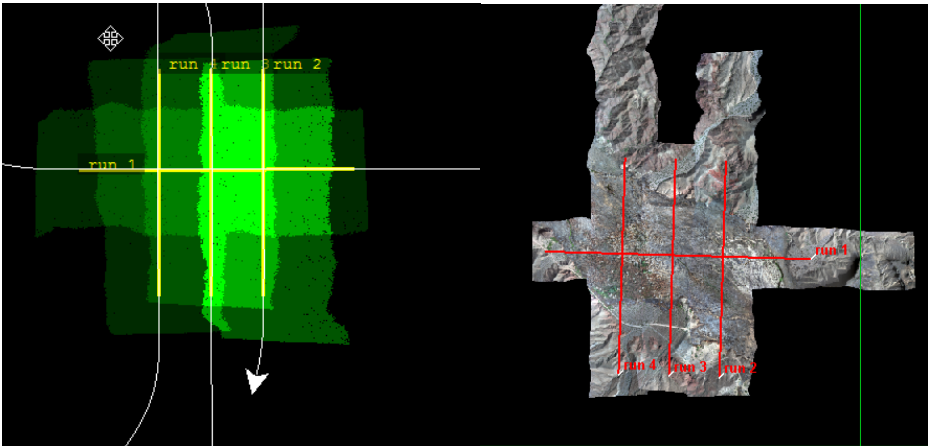
Total number of lines flown: 9

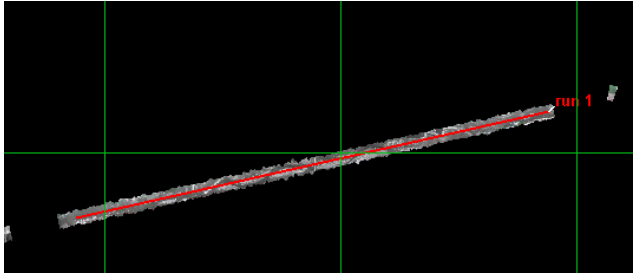
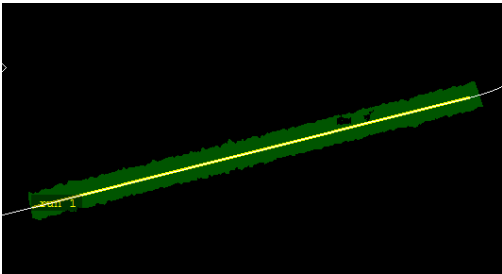
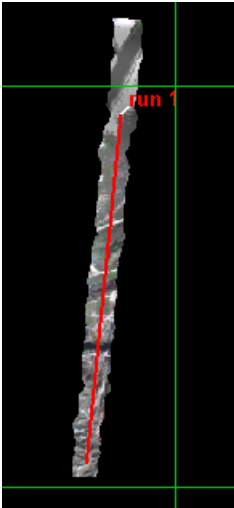
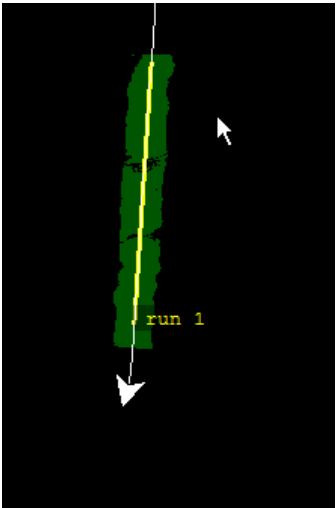
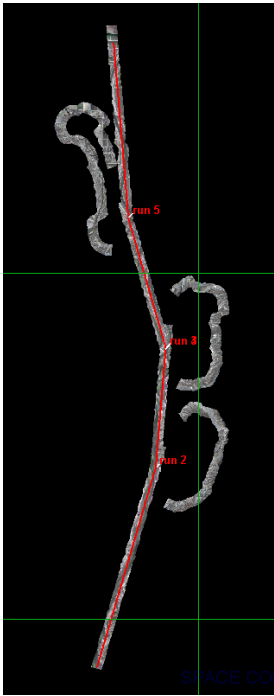
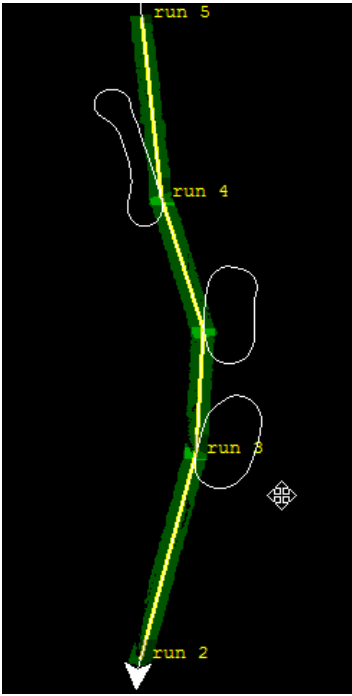
CTWD\_2

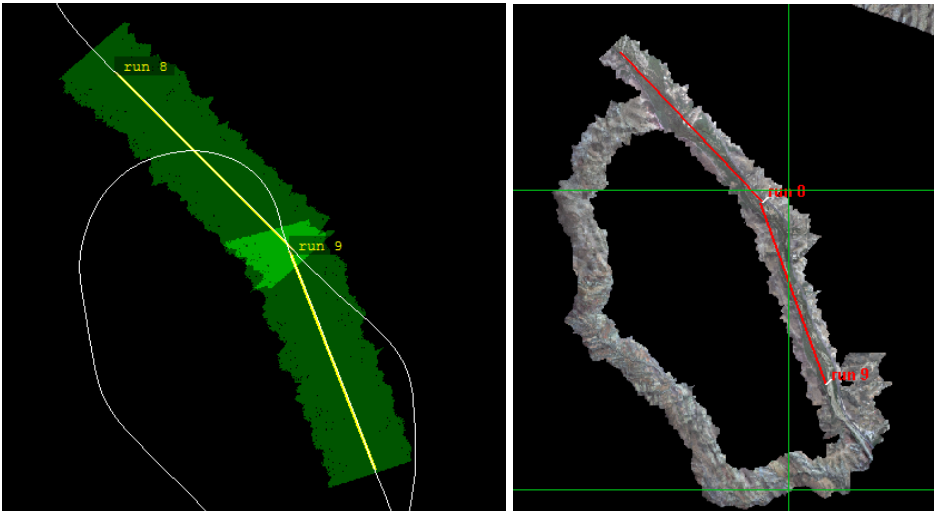
Line #	1
Lidar	✓
Spectrometer	✓
Camera	✓
Cloud Cover	

Total number of lines flown: 1

### Flight Screenshot







Pictures



Colorado River near Yuma

Cumulative Domain Coverage

CTWD\_1 ()

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

Flown: 100% (9/9)  
Green: 78% (7/9)  
Yellow: 22% (2/9)  
Red: 0% (0/9)

CTWD\_2 ()

1
---

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

CTWD\_3 ()

1	2	3	4
---	---	---	---

Flown: 100% (4/4)  
Green: 100% (4/4)  
Yellow: 0% (0/4)  
Red: 0% (0/4)

CTWD\_4 ()

1	2	3	4	5	6	7	8	9	10	11
---	---	---	---	---	---	---	---	---	----	----

Flown: 0% (0/11)  
Green: 0% (0/11)  
Yellow: 0% (0/11)  
Red: 0% (0/11)

CTWD\_5 ()

1	2	3	4
---	---	---	---

Flown: 0% (0/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 0% (0/4)

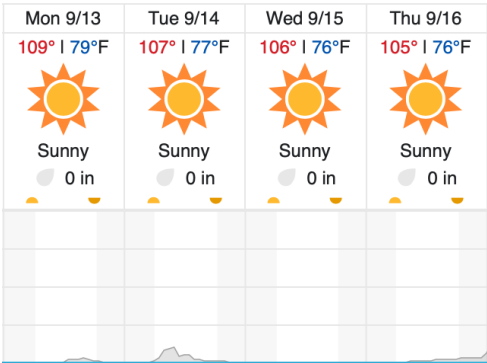
CTWD\_6 ()

1	2	3	4
---	---	---	---

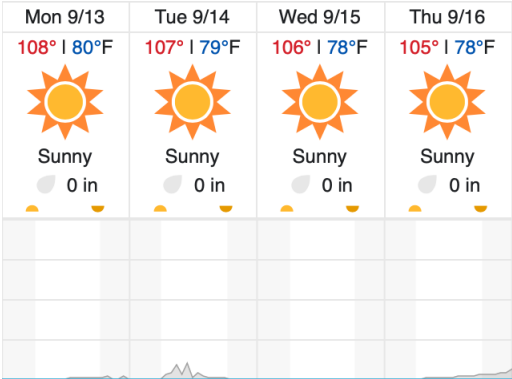
Flown: 0% (0/4)  
Green: 0% (0/4)  
Yellow: 0% (0/4)  
Red: 0% (0/4)

Weather Forecast

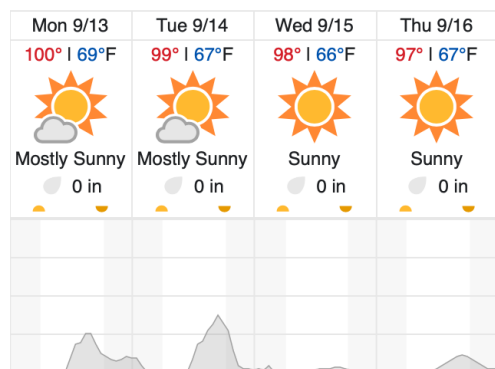
Luke AFB, AZ (Yuma flt. plan, Lines 8 and 9)



Scottsdale, AZ (Agua Fria South Flight Box)



## Camp Verde, AZ (Agua Fria North Flight Box)



	Cloud Cover (%)	Chance of Precip. (%)
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source: wunderground.com

## Flight Collection Plan for September 13<sup>th</sup> 2021

### Flyority 1

Collection Area: Agua Fria 1000m Flight Line Flight Plan

Flight Plan Name: D14\_CTWD\_AguaFria\_FL\_1000m\_v1

Solar Angle Time: 16:40 UTC

### Flyority 2

Collection Area: Agua Fria 500m Flight Box South Flight Plan

Flight Plan Name: D14\_CTWD\_AguaFria\_FBS\_500m\_v1

Solar Angle Time: 16:40 UTC

### Flyority 3

Collection Area: Agua Fria 500m Flight Box North Flight Plan

Flight Plan Name: D14\_CTWD\_AguaFria\_FBN\_1000m\_v1

Solar Angle Time: 16:40 UTC

### Flyority 4

Collection Area: Yuma 1000m Flight Box North Flight Plan- Lines 8-9

Flight Plan Name: D14\_CTWD\_YUMA\_FB\_N\_1000m\_v3

Solar Angle Time: 16:40 UTC

Crew: Abe Morrison, Matt DeVoe