

Flight summary June 15th, 2022

Boise State University
Created by Anna Roser

Pony 1- North of Mountain Home, ID

Overview:

- This site is located approximately 45mins from Boise north of Mountain Home.
- Anna Roser was Pilot in Command for all flights.
- Anna, Cayden, Lena on site.
- Mission objective was to collect UAS imagery with the goal of creating high spatial resolution point clouds for shrub height measurement, and collect multispectral imagery to assist with differentiating plant types.

Sensor	Above Ground Level	Ground Sampling Distance	Camera Angle	Software	Cross grid	Number of Images	Flight Speed	Forwardlap/Sidelap	Number of batteries	Start/End	Wind Max & Avg
Mavic RGB	44m	1cm	5degrees + off nadir	Map Pilot	Yes, 20degree offset	522	2m/s	73/80	HP8,HP6, C1, C2	10:03am-11:00am	3.4m/s 1.1m/s
P4 Multispec	38m	2.0cm	90	DJI GS Pro	No	640	1.7m/s	80/75	2x	11:29am-12:07pm	3.4m/s 1.0m/s

RTK TopCon Notes

Start	End	Vert hgt (m)	Number of GCP
9:15am	2:25pm	(in .mjf file)	9 bucket lids

Notes:

- UAS: Mavic 2 Pro. RGB Hasselblad 20MP sensor and DJI Phantom 4 Multispectral (5 band)
- Weather: clear, good flying conditions. Light breeze.

Data location:

- Images are on owncloud and external drive