

# Flight summary June 15th, 2022

Boise State University

## Pony 2 – North of Mountain Home, ID

### Overview:

- This site is located north of Mountain Home off Hwy 20
- Josh Lingbloom was Pilot in Command for all flights.
- Andrii as visual observer
- 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.

Site	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
Pony 2 v1	Mavic RGB	44m	1cm	nadir	Map Pilot	E-W passes only	488 (total between 2 flights)	2m/s	73/80	2	11:59am-12:33pm	~5m/s ~1.2m/s
Pony 2 diagonal	Mavic RGB	44	1cm	5° off nadir	Map Pilot	~20° off E-W diagonal		2m/s	73/80	2	12:43pm-1:20pm	6.0m/s 1.3m/s
Pony 2	P4 Multispec	38m	2.0cm	90	DJI GS Pro	No	631	1.7m/s	80/75	2x	1:25pm-2:01pm	1.9m/s 1.8m/s

### RTK TopCon Notes

Start	End	Vert hgt (m)	Number of GCP
9:45am	2:21pm	1.785	9 bucket lids/pie tins

### Notes:

- UAS: Mavic 2 Pro. RGB Hasselblad 20MP sensor
- Weather: clear, light wind, good lighting

## Data location:

- Images are on owncloud and external drive