



OFFSHORE
A V I A T I O N G R O U P



OA-4

S P I R I T



Offshore Aviation OA-4
3D Mapping • Photogrammetry
OA-8B Flight Training Platform • OA-8B Route Rehearsal



Aircraft Limitations

Aircraft Model: OA-4

Max takeoff weight = 34lbs

Center of Gravity = Max within 80mm, recommended within 30mm

Max wind = 15mph

Precipitation = None

Operating Temps = 32 – 95 degrees F (recommended)

Max altitude = 5,000ft MSL

Max speed = 30mph

Max flight time = 21 min



OA-4 Quadcopter

Specifications:

MODEL: OA-4 Quadcopter
MANUFACTURER: Offshore Aviation LLC
TYPE: Multi-rotor: Quadcopter
FRAME DIAMETER: 960mm
READY-TO-FLY WEIGHT: 12lbs 13oz
RADIO: 6 channel minimum, 8+ channels recommended
BATTERY: 22.2v 6s 8000-10000Mah 15c (two of each in parallel)
FLIGHT TIME: 21 minutes

Gear Installed:

-Radio: Futaba 14SG, Futaba 7008SB 8ch rx
-Motor: (4) KDE 4014XF 380Kv Brushless Outrunner,
-ESC: (4) KDE 55A HV OPTO
-Propeller: (4) KDE 15.5x5.3 Folding Carbon Fiber
-Battery: (2) Turnigy Graphene 6s 8000mAh 15C
-Autopilot: PixHawk 2.1, Here GNSS GPS
-Telemetry: HolyBro 915Mhz 100mW radio
-FPV system: ImmersionRC 5.8GHz 600mW video tx, RunCam Eagle 800TVL camera, MinimOSD
-Lighting: Vulcan Day Bright LED Navigation lights



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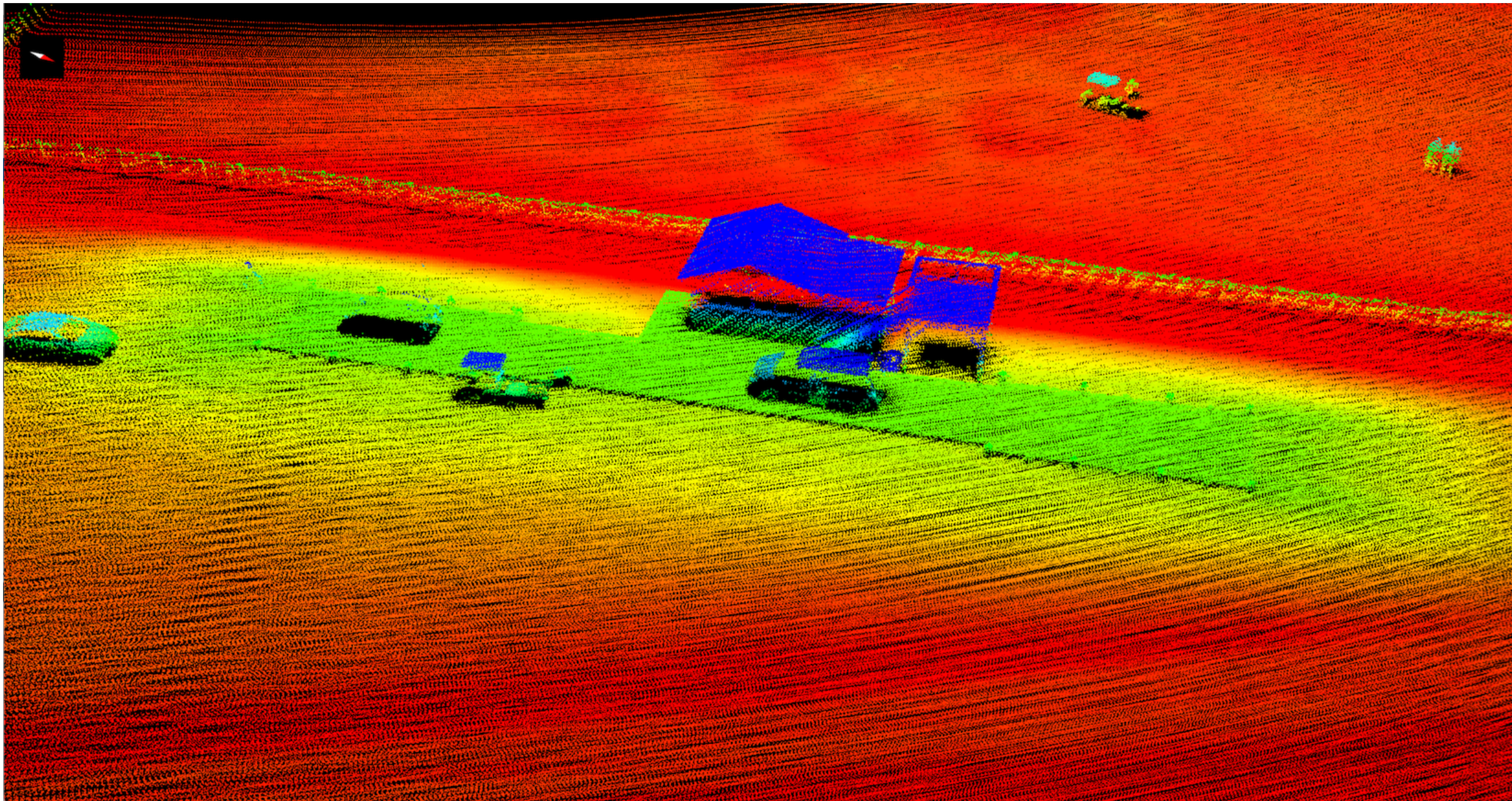


OA-8B
D R A G O N





OFFSHORE AVIATION
US ARMY OA-8B
Routescene LiDAR pod



FILEVIEWMOTIONRENDERTOOLS

Point Size: 3

Point Type: Round

Background: Black

Show 2nd

Colour For: 1st Return

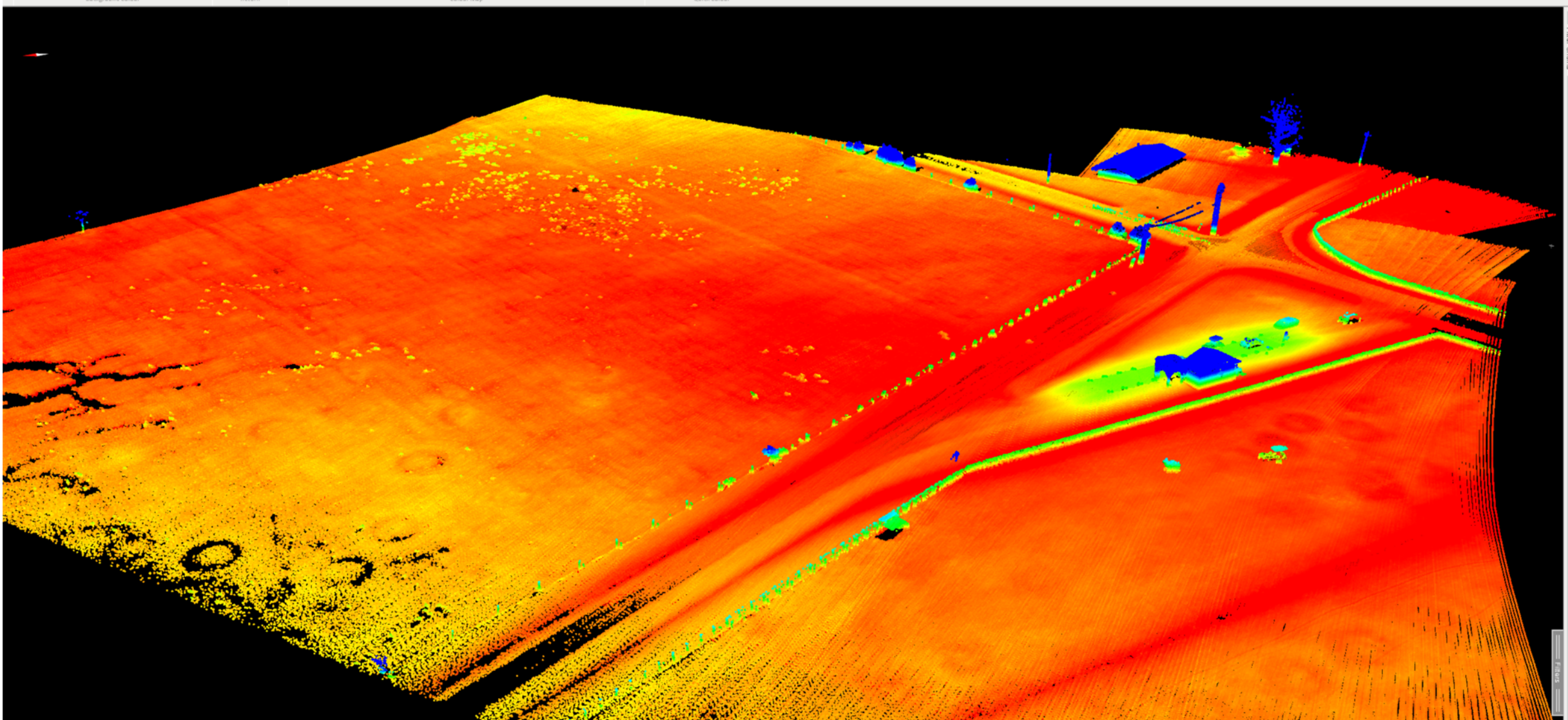
Colour By: Height & Intensity

Gradient Style: Intensity shaded

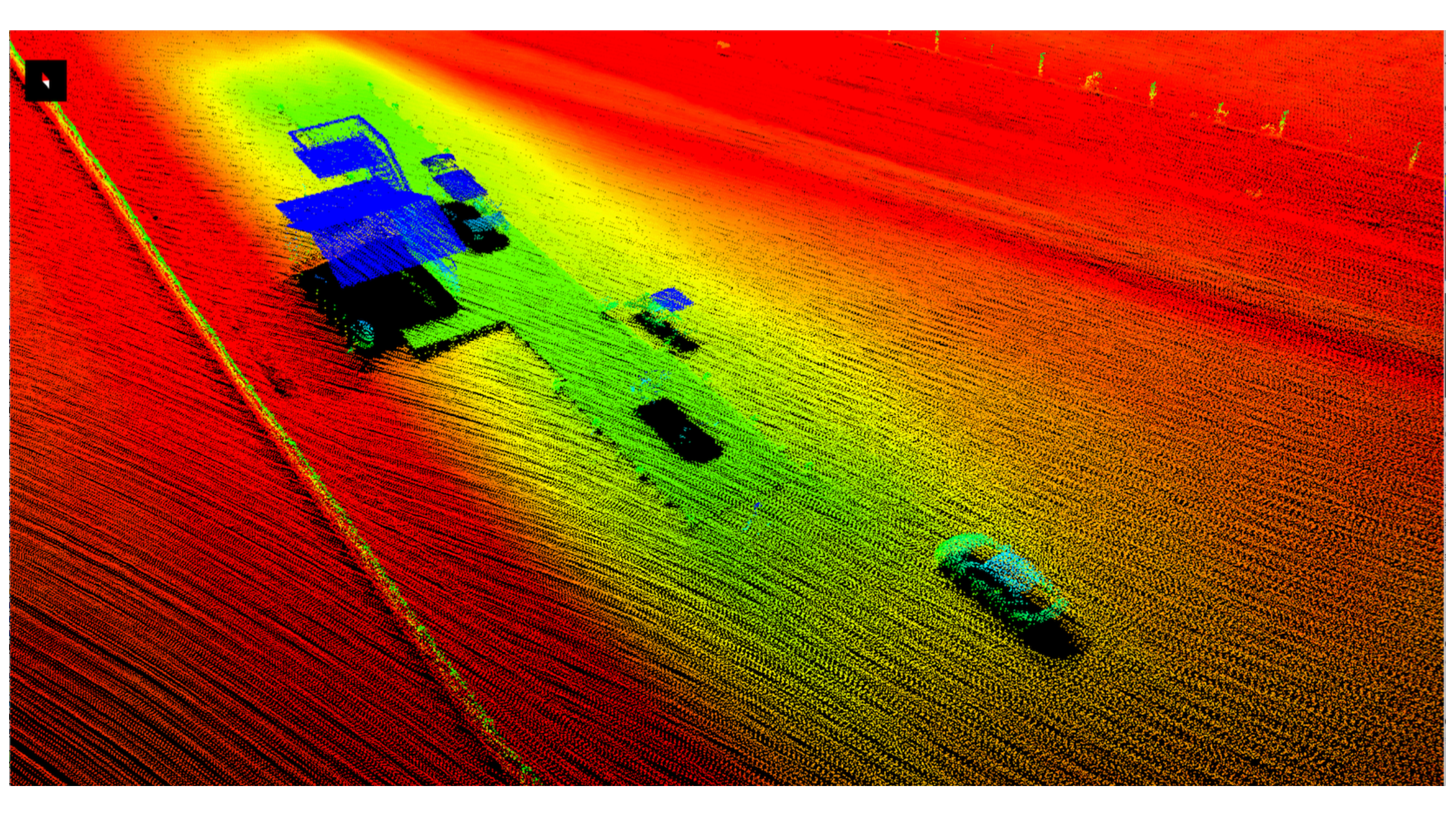
Gradient Reverse: ☐

Min: -0.31

Max: 2.29



Ref.Pt: 38.1634979°N 76.4946253°W 2.48m Delta: -0.39m Time: 2018/03/27 16:55:46.277







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AVIATION GROUP





Aircraft Limitations

Aircraft Model: OA-8B

Max takeoff weight = 59.5lbs

Center of Gravity = Max within 100mm, recommended within 40mm

Max wind = 25mph

Precipitation = Dry

Operating Temps = 32 – 95 degrees F (recommended)

Max altitude = 6,000ft MSL

Max flight speed = 40mph

Max flight time (with Lidar Pod) = 25 min



OA-8B Lidar Octocopter

Specifications:

MODEL: OA-8B Lidar Octocopter

MANUFACTURER: Offshore Aviation LLC

TYPE: Multi-rotor: Octocopter

FRAME DIAMETER: 1150mm

READY-TO-FLY WEIGHT: 36.3lbs, 43.2lbs (w/ lidar pod)

RADIO: 6 channel minimum, 8+ channels recommended

BATTERY: 29.6v 8s 16000-22000mAh 15c (two of each in parallel)

FLIGHT TIME: 30 minutes (25 min w/ lidar pod)

Gear Installed:

-Radio: Futaba 14SG, Futaba r7008SB 8ch rx

-Motor: (8) KDE 6213XF 185Kv Brushless Outrunner, (8) KDE 95A HVC OPTO ESC

-Propeller: (8) KDE 24.5x8.1 Folding Carbon Fiber

-Battery: (2) Tattu 8s 22000mAh 15C

-Autopilot: PixHawk 2.1, Here GNSS GPS

-Telemetry: RFDesign RFD900 915Mhz 1W radio

-FPV system: Foxeer 5.8GHz 600mW vtx, Foxeer 1200TVL camera, XLR5 XOSD

-Lighting: Vulcan Day Bright LED Navigation lights

-UAVionix PingRX ADS-B transceiver