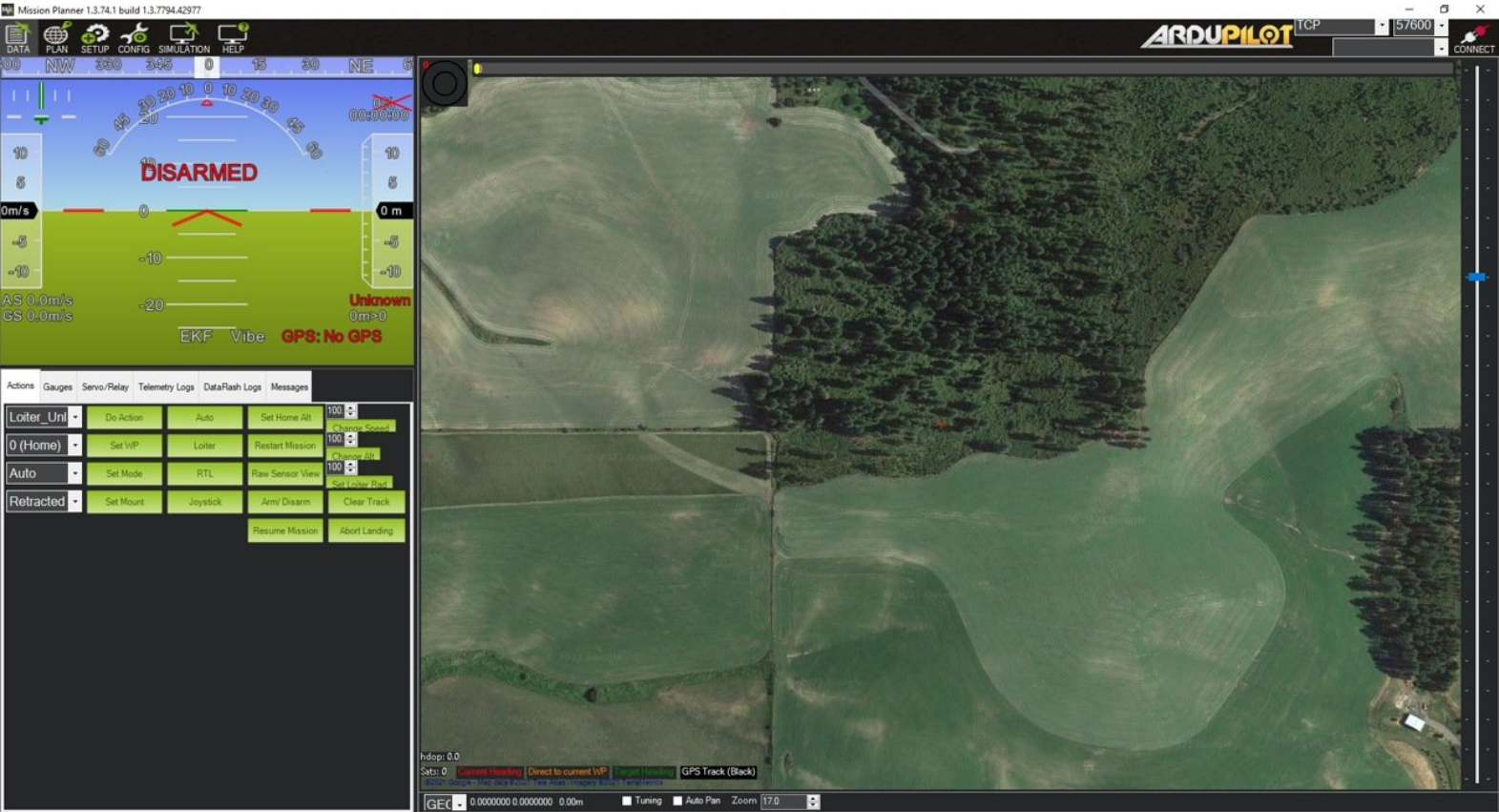Aero **Systems** West™

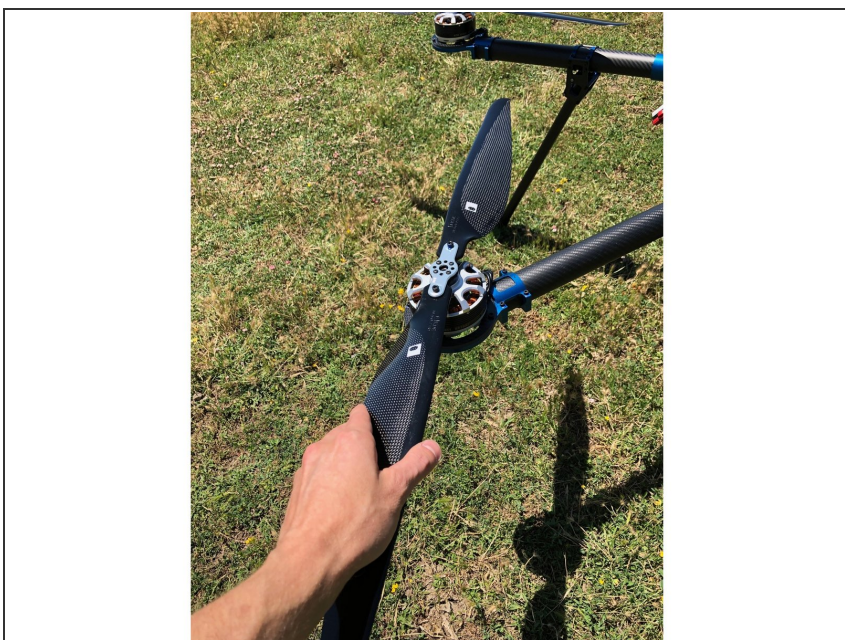# 4 - Pre-Launch

Written By: Daniel Neal

Step 1 — GCS

- GCS powered on, AC power if available
- GCS C2 modem plugged into GCS
- Open Mission Planner

Step 2 — Propellers

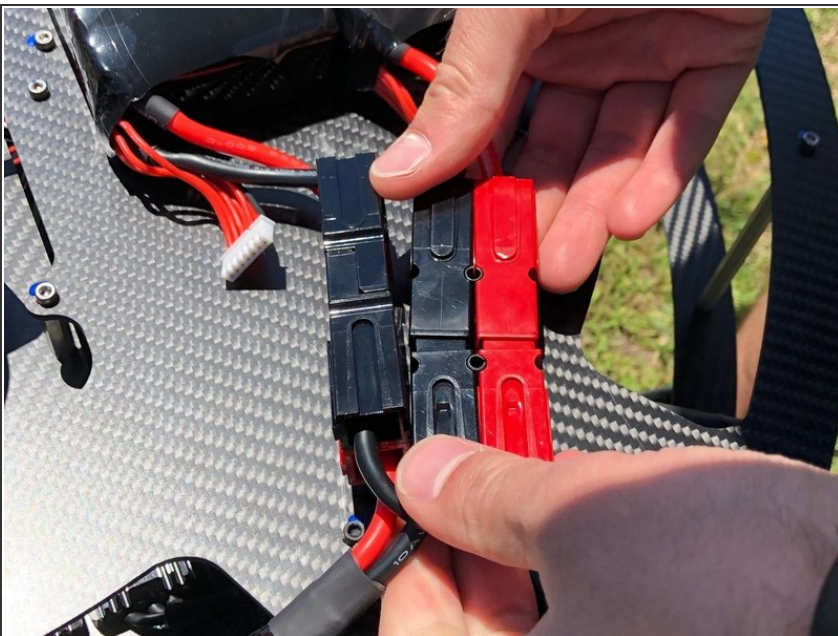- Ensure propellers are safe for flight (properly mounted and unfolded)

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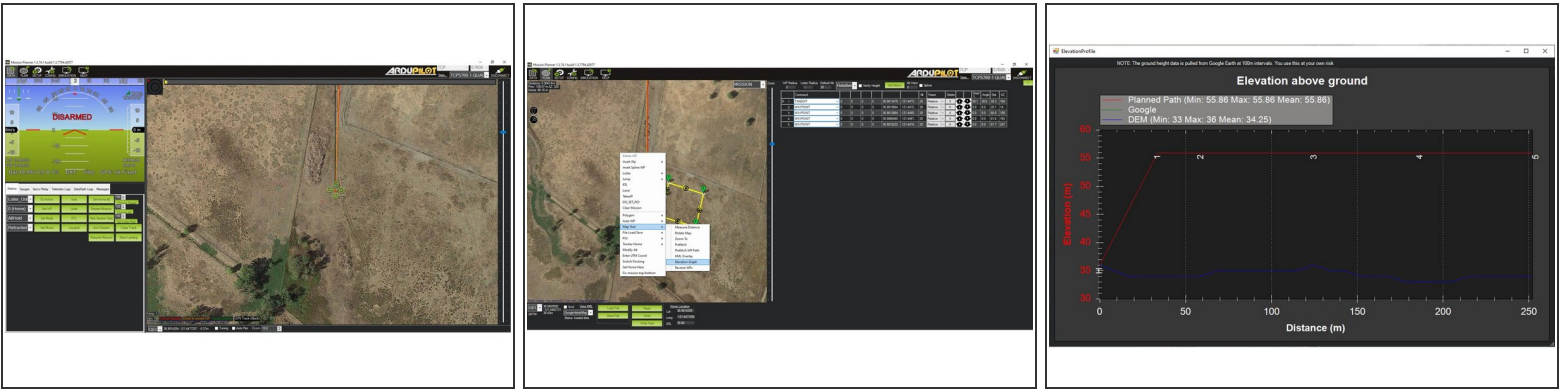
Step 3 — Safety Transmitter

- Powered on, charge acceptable

- Set to non-auto mode

- ⓘ Mode switch varies by customer request. Default ASW builds typically utilize the upper left 3-position toggle for flight controller modes.

- Throttle down

Step 4 — Aircraft

- Batteries connected

- ⓘ Autopilot will make an audible tone once initialized

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Step 5 — Pre-Launch 1

- GCS software connected to aircraft

- Autopilot confirm disarmed

- Mission profile read from aircraft, displayed correctly

- (i) After reading back the mission profile, ASW recommends performing an elevation check for safety (please reference Mission Planner map tools)

- C2/Telemetry strength at minimum loss

- Flight modes respond to safety transmitter

- Safety transmitter confirm non-auto mode, throttle down

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Step 6 — Pre-Launch 2

- GPS has 3D fix

- *(i)* ASW recommends ensuring that HDOP is below 2.0

- HUD correctly responds to motion

- Compass heading displays correctly

- *(i)* All ASW HLM aircraft ship with magnetometer calibrations factory completed. These should not require recalibration, unless modifications are made to the aircraft. Please contact ASW if necessary.

- Battery voltage full or acceptable for planned flight

- Payload is prepared, working correctly

- Aircraft in desired location, area cleared

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