VTOL UAS Operations on FALKOR
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29ºN 131ºW

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AIRFRAME
VEHICLE MASS 1,200g
MAX PAYLOAD MASS 300g
CARBONFIBER RENEFORCED COMPOSITES

FLIGHT
MAX SPEED 100km/h
OPTIMAL CRUISING SPEED 49km/h
ENDURANCE HOVER 30MIN
ENDURANCE CRUISE 120MIN
MODULAR

We provide everything you need right out of the box. The SBR-XXX weather proof hard case houses the airframe and accessories. Assembly takes only minutes and the touchscreen controller makes mission planning a snap. Select different payloads with the quick-swap nose cones; the aircraft is now complete and ready for action. Nose cones are swapped out similar to high end cameras and come in many different sensors and camera options. One aircraft - unlimited possibilities.
Pacific Ocean, 2018
Operational Statistics

3x VTOL Aircraft
5x Sensor Payloads
20 Flights
421 Minutes in the Air

All equipment returned to shore!
Payloads Used on the Mission
Thermal + Color
FLIR Duo

Infrared (12 µm)

Color
Multispectral Parrot Sequoia

- Color
- Near InfraRed 790 nm
- Red Edge 735 nm
- Red 660 nm
- Green 550 nm
HiDef Video
Gopro Session

2.7K Color Video
Gas Sensing
NASA Dimethyl Sulfide Sensor

Air Flow In