

VTOL UAS Operations on FALKOR

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29°N 131°W



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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

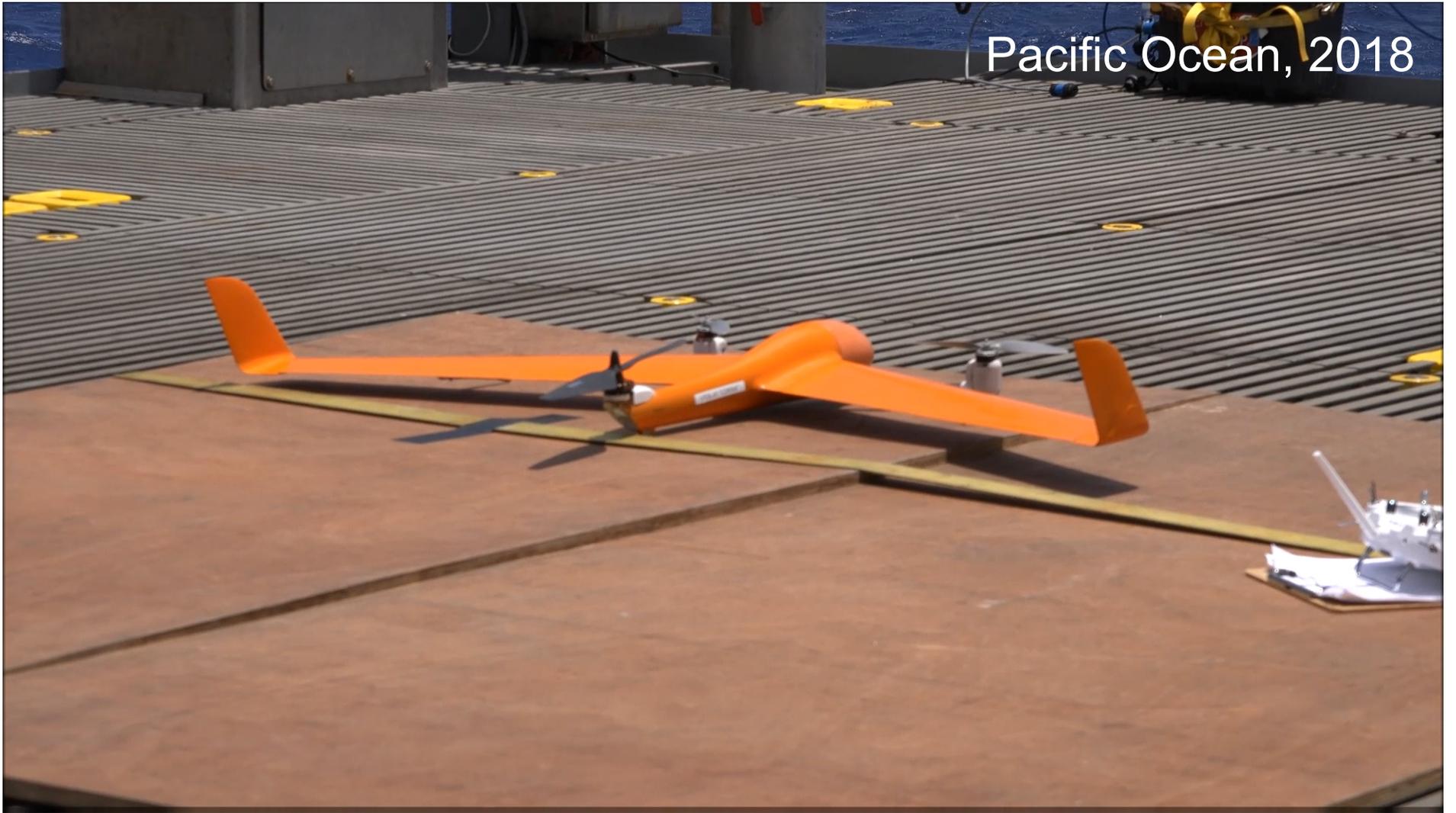
FlightWave
EDGE-130-iON

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



Pacific Ocean, 2018



Operational Statistics

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

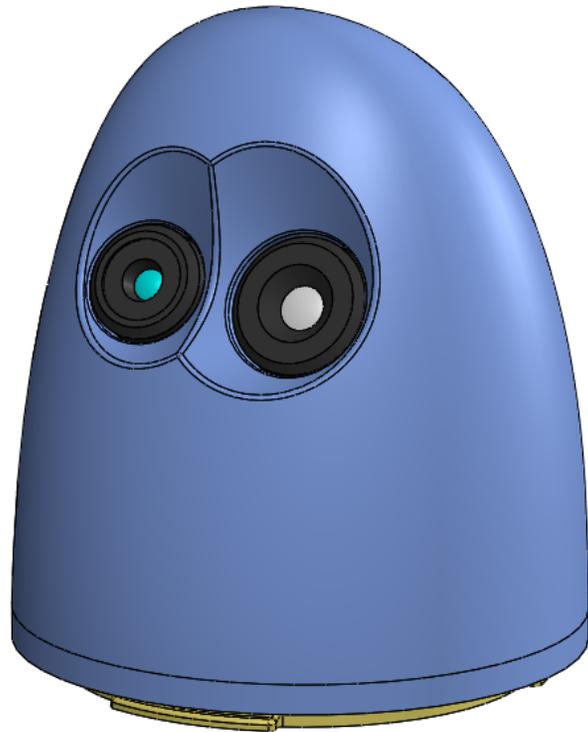
All equipment returned to shore!



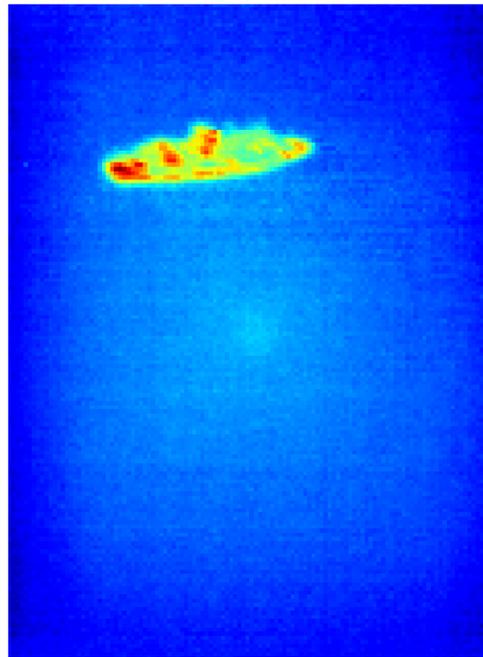
Payloads Used on the Mission



Thermal + Color FLIR Duo



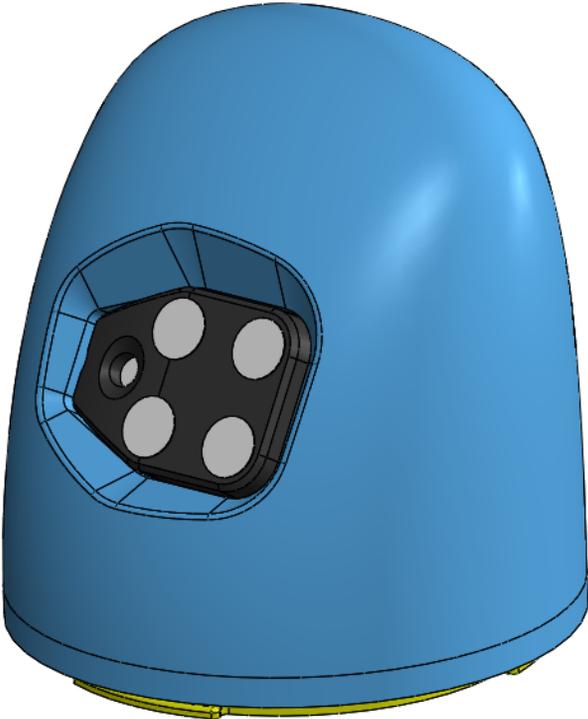
Infrared (12 μm)



Color



Multispectral Parrot Sequoia



Color

Near InfraRed
790 nm



Red Edge
735 nm



Green
550 nm



Red
660 nm



HiDef Video

Gopro Session



2.7K Color Video



Gas Sensing

NASA Dimethyl Sulfide Sensor

