

# Regional Response Service: UKCS Aerial Surveillance



## United Kingdom Continental Shelf (UKCS) Aerial Surveillance

Compliant with UK Department for Business, Energy & Industrial Strategy (DBEIS) requirements, this service is dedicated to the UKCS region; providing aerial surveillance for oil and gas operators.

This service is available to Oil Spill Response Limited's Members via a supplementary agreement.

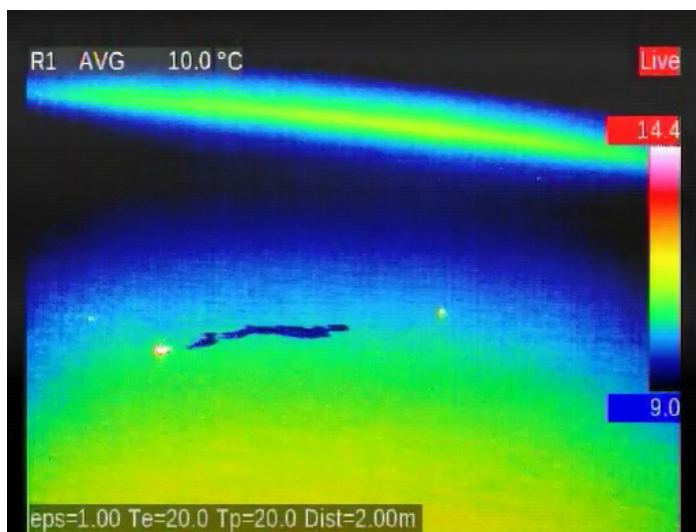
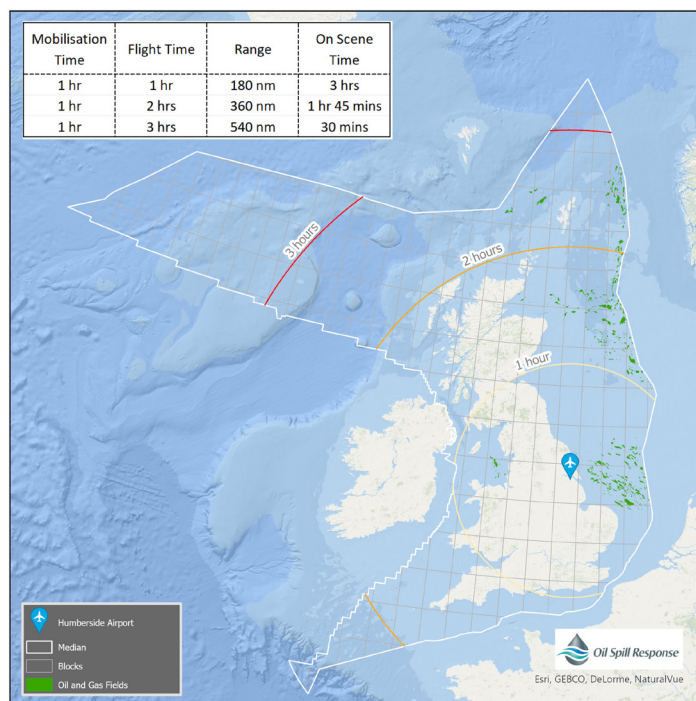
For more information, contact the OSRL Southampton base or the Aberdeen office.

## Navajo PA-31 Aircraft, Humberside, England

Primary dedicated aerial surveillance aircraft

- Formal oil spill quantification
- Aircraft on 1 hour mobilisation (daylight hours)
- Hi-resolution geo-referenced digital still photographs
- Gyro-stabilised electro-optical and infrared turret (video and still photographs)
- Live satellite aircraft tracking
- Verbal and text communications in flight via satellite phone

NOTE: UKCS operators have access to dispersant spray aircraft under their participant/associate membership agreement. This meets the 6-hour DBEIS requirement for Tier 2 spray capability.



## UKCS Service Capability

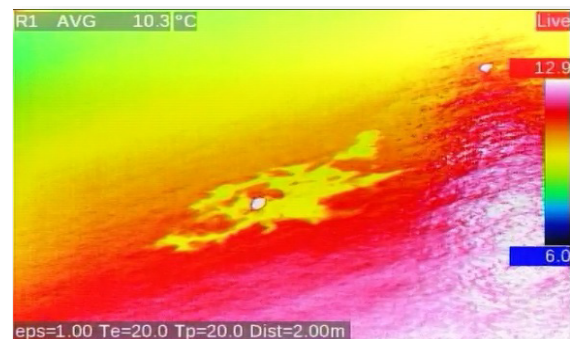
Aircraft: PA-31 Navajo  
 Operator: 2EXCEL Aviation Ltd  
 Call Sign: Broadsword xx  
 Crew: 1 x Pilot and 1 x System Operator  
 Can take up to 3 pax on board  
 Communication: Aviation VHF, Sat Phone, Satcom.

Aircrew trained to carry out oil spill surveillance.  
 The System Operators and Pilots exercise and drill with experienced OSRL aerial observers on a regular basis to ensure competence is maintained.



## Sensor Capability

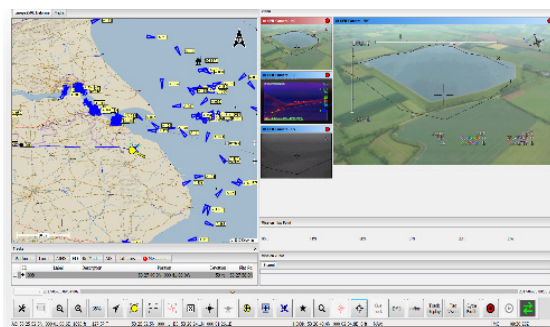
- Turret: OFIL ROM 400
- Infrared Camera: Spectral range: 7.5-14µm
- Ultraviolet Camera: Spectral range : 340 – 370 nm, (Ability to change polarization to suit meteorological conditions)
- HD Video Camera: Up to 12 x digital zoom, 360 x optical zoom
- Fixed Nikon D810 DSLR: 36 megapixel
- Laser Range Finder: Up to 1900m.



## Software Capabilities

Bespoke Mission Software: AIMS ISR (CarteNav)

- Integrates all camera sensors
- Boresight and aircraft track history
- Draw perimeters around slicks using boresight or aircraft position
- Augmented reality on video feeds
- AIS feed
- Record video and take EO snapshots
- Overlay UKCS infrastructure on Moving Map Display
- Import maps and overlays into the system



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