



TransAir 810 737-200 Search and Recovery DCA21FA174

Clinton R. Crookshanks

Aerospace Engineer (Structures)

clinton.crookshanks@ntsb.gov

DCA21FA174

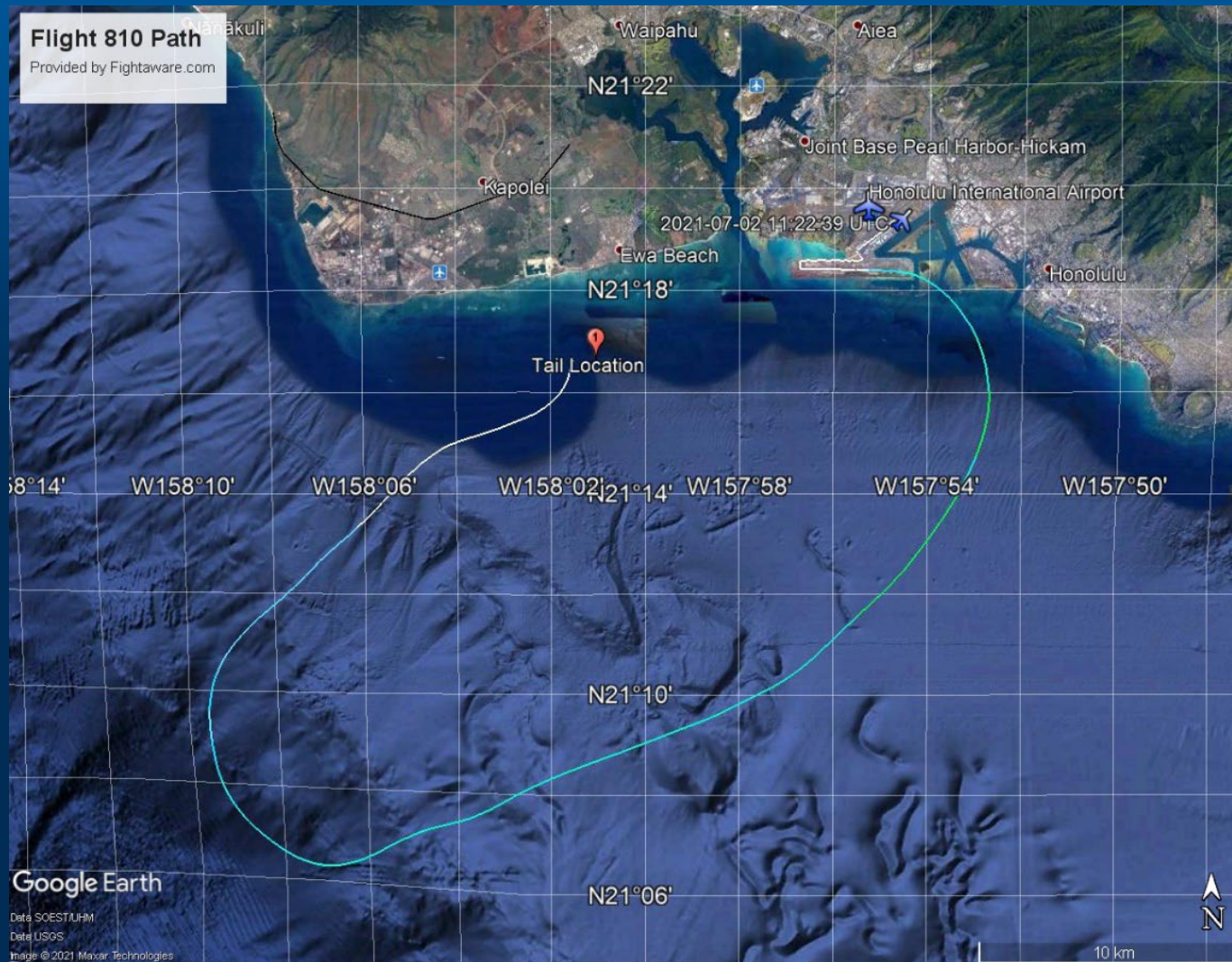
- July 2, 2021
- Boeing 737-257C, N810TA
- Honolulu, HI



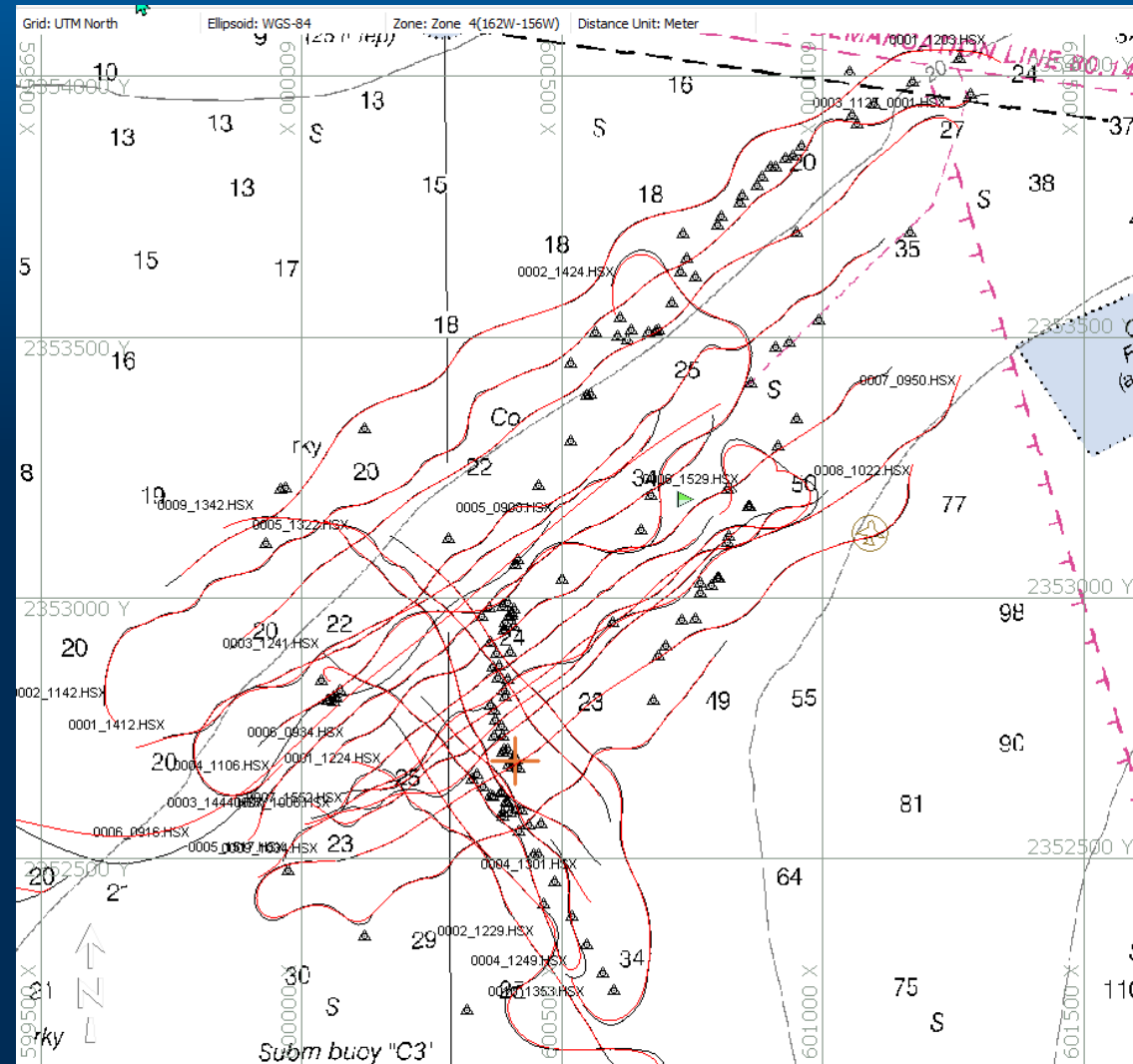
DCA21FA174 Survey



DCA21FA174 Survey



DCA21FA174 Survey Day 1

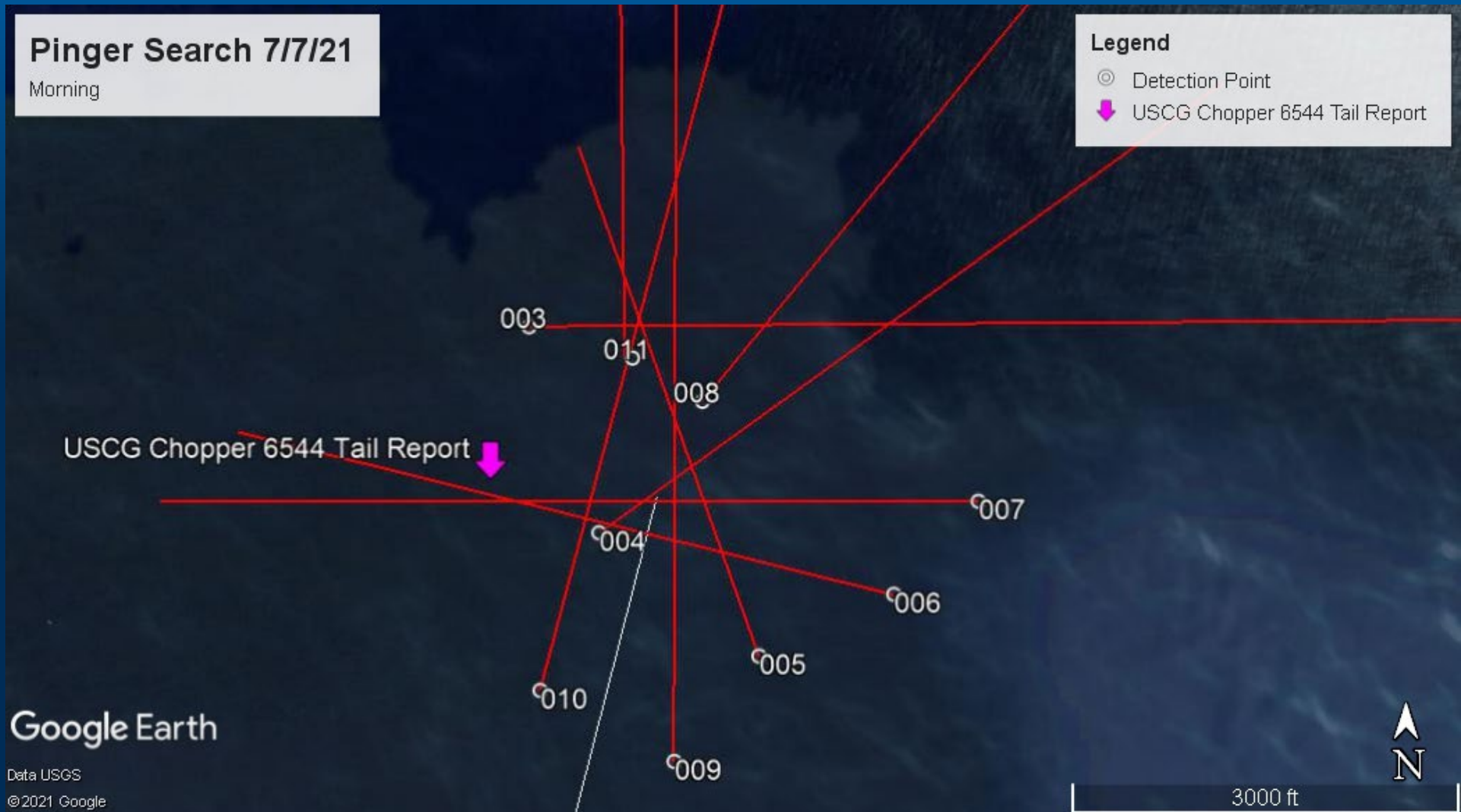


DCA21FA174 Survey Day 2

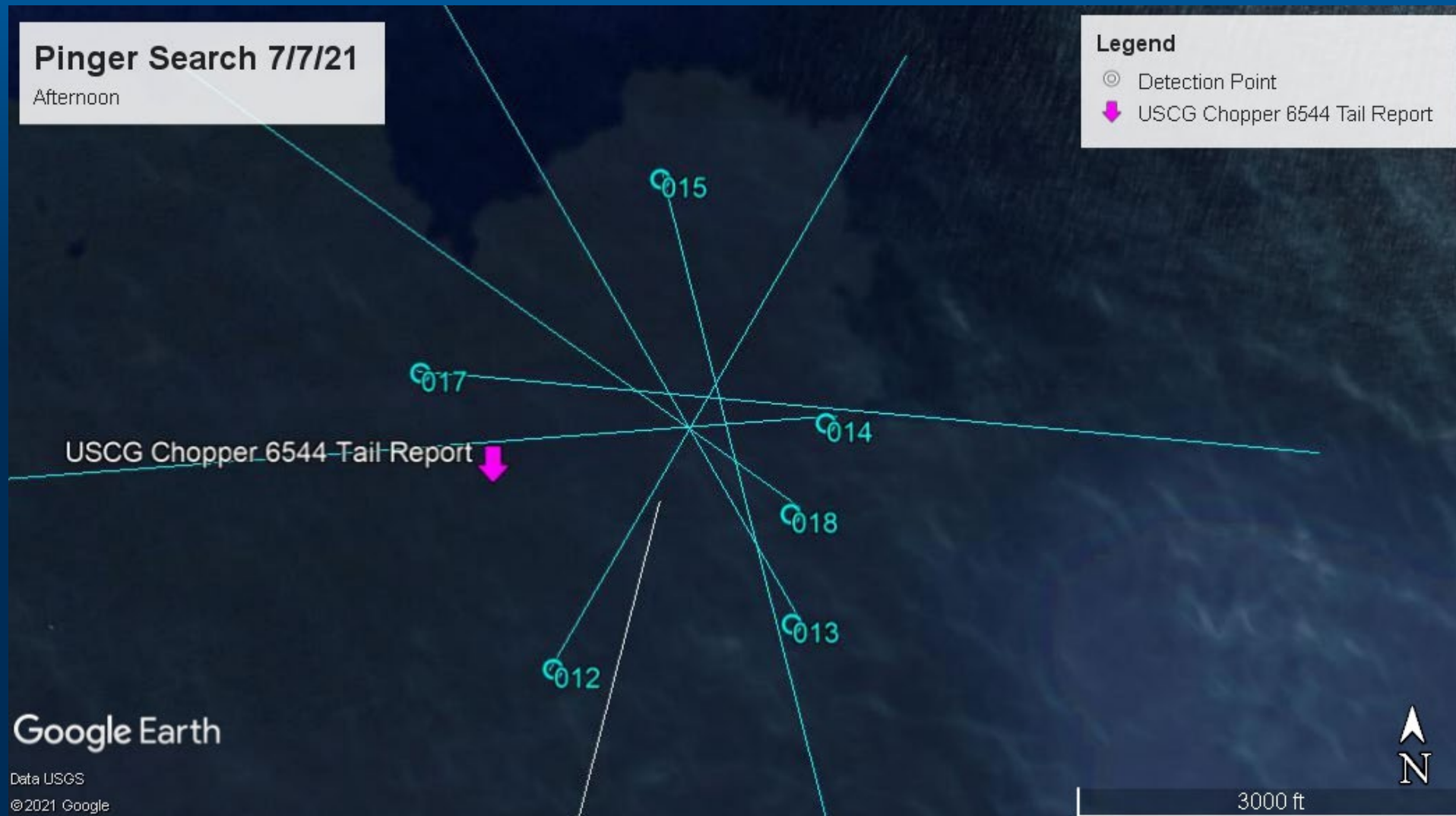
RJE PRS-275 Handheld Receiver



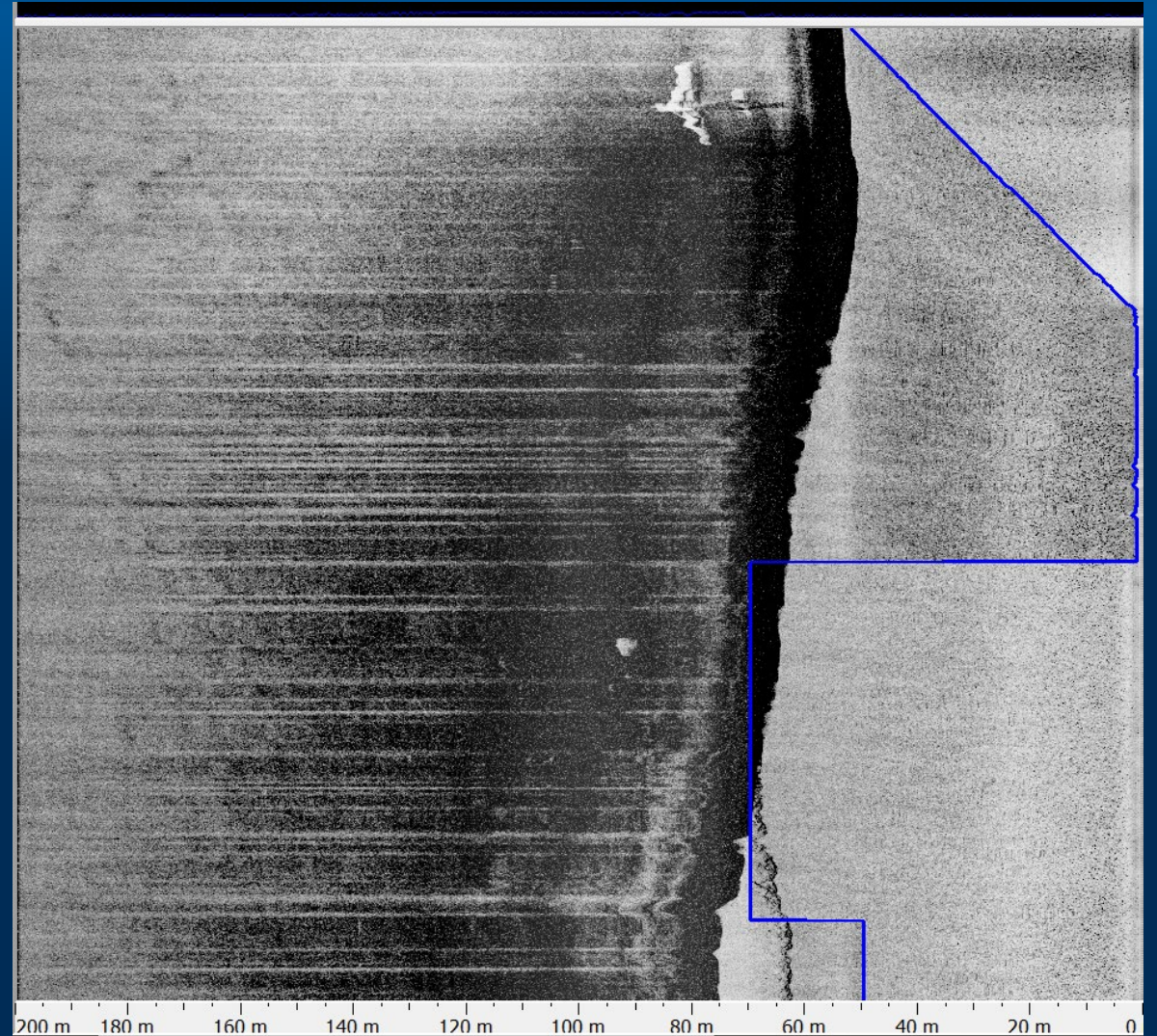
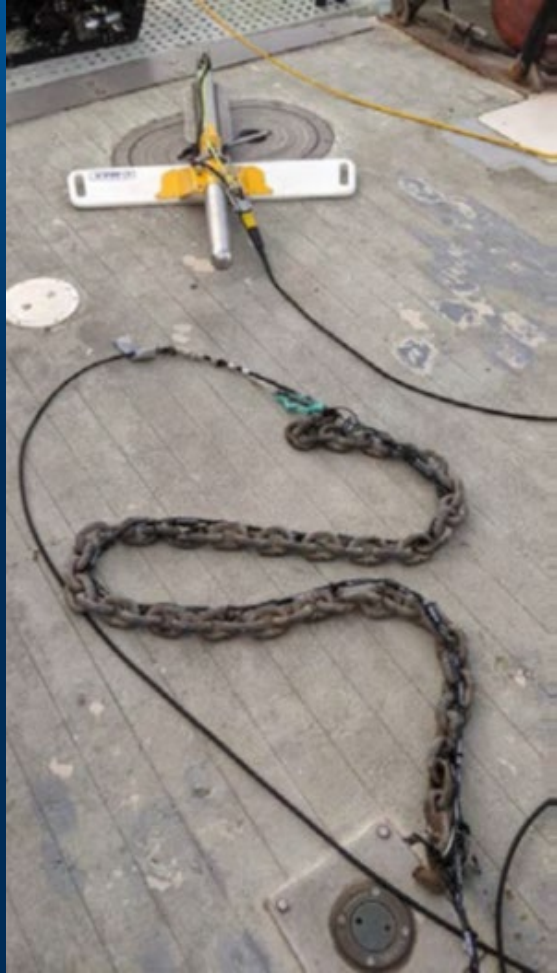
DCA21FA174 Survey Day 2



DCA21FA174 Survey Day 2



DCA21FA174 Survey Day 2



DCA21FA174 Survey Day 2



DCA21FA174 Survey Day 3



DCA21FA174 Survey Day 3



DCA21FA174 Survey Day 3



DCA21FA174 Survey Day 3



DCA21FA174 Survey Day 3



DCA21FA174 Debris Field





DCA21FA174 Recovery

- LSR contracted
- RFQ issued for water recovery
- 4 proposals received
- \$2.1M to \$9.6M
- Eclipse Group, Inc. selected
- PENCO for environmental
- AMC for offload and storage

DCA21FA174 Recovery

R/V Bold Horizon



GP-50 ROV



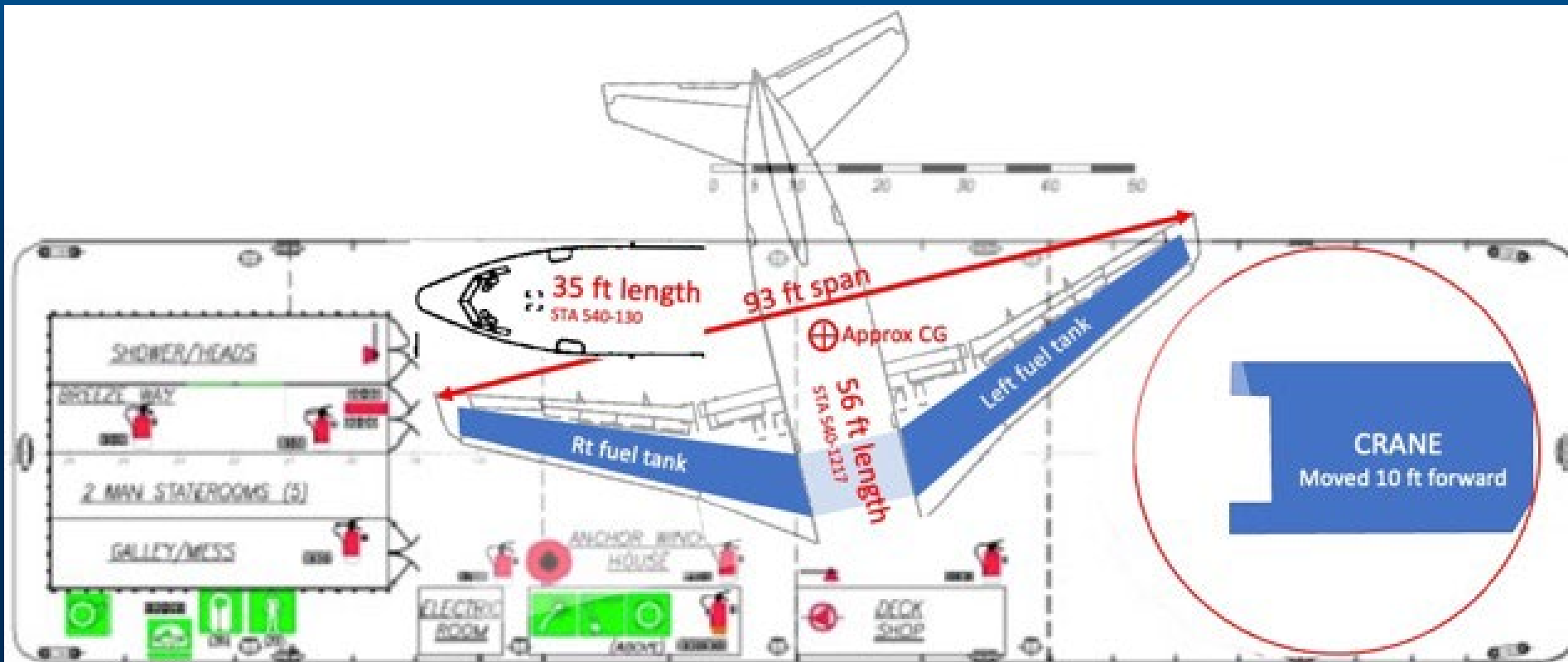
DCA21FA174 Recovery

D/B Salta Verde



DCA21FA174 Recovery

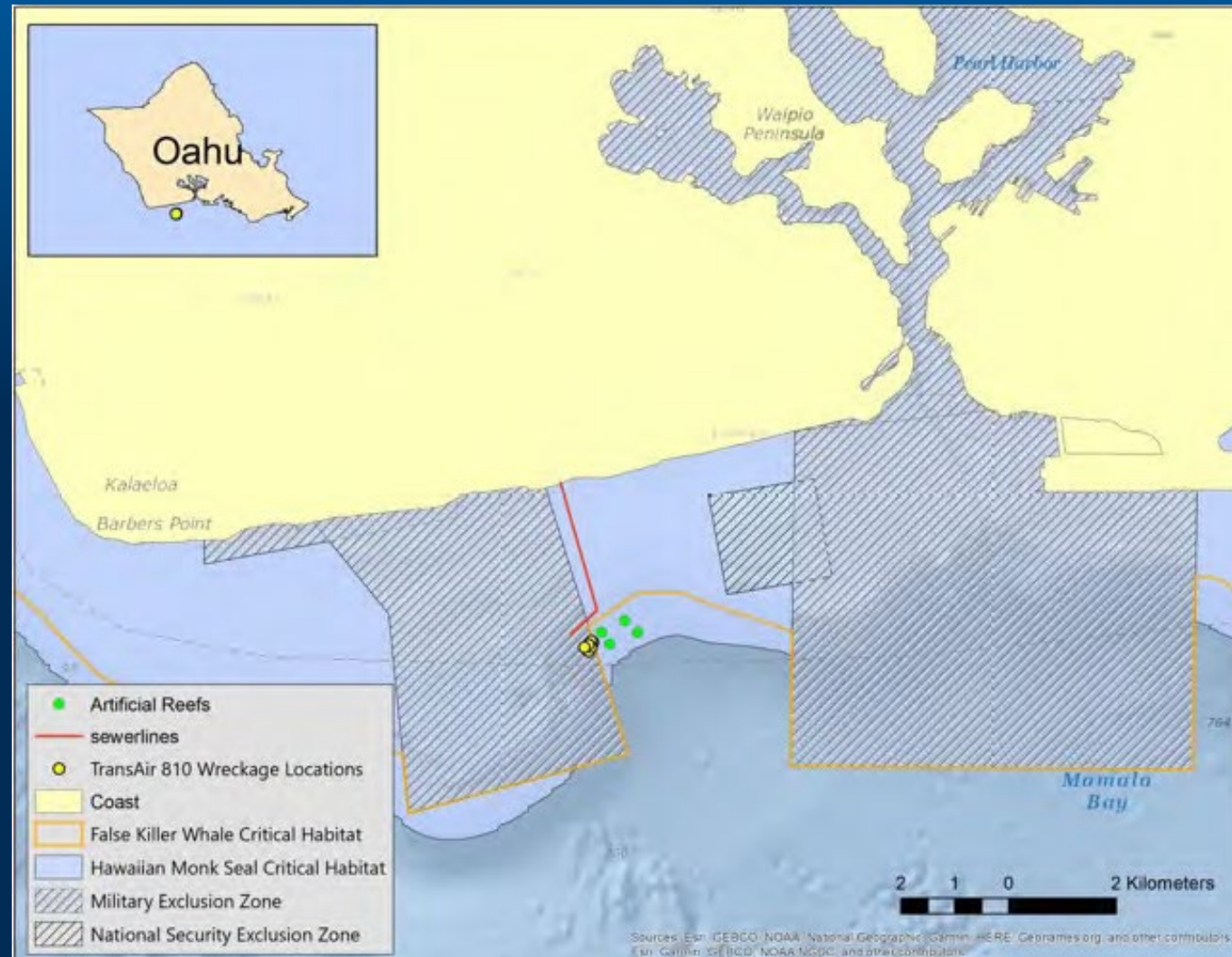
D/B Salta Verde



NOTES:

1. Wing tips are about 5-6 ft up from center section, depending on damage and cribbing.
2. Wing tank capacities are 1,000 gallons each. Left has visible opening and right may be.
3. The center fuel tank was empty at departure and sump may contain <50 gallons. Forward spar appears damaged.

DCA21FA174 Recovery

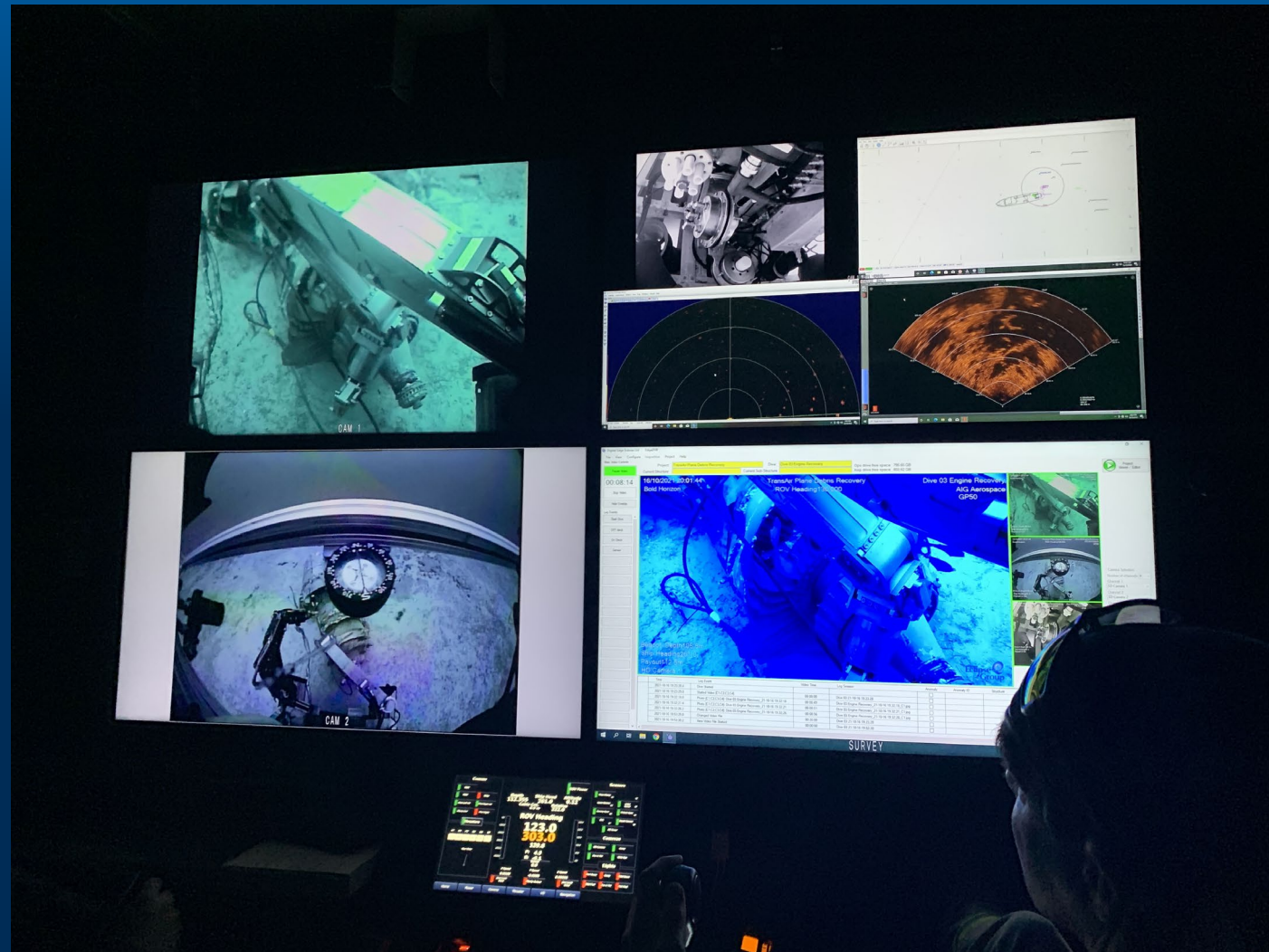




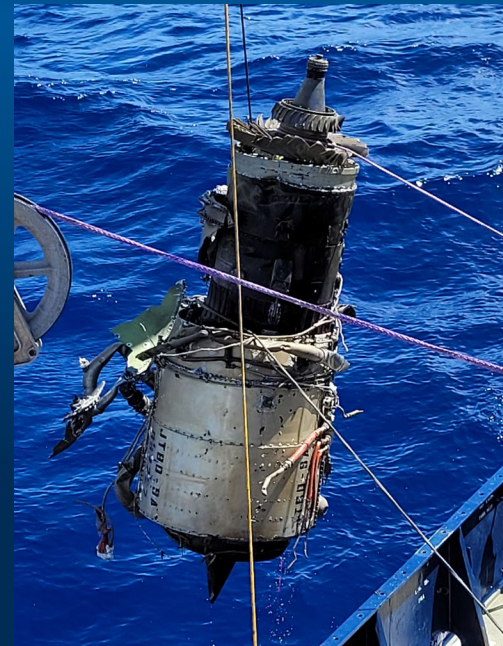
DCA21FA174 Recovery

- FAA NOTAM Oct. 11-26
- USCG Safety Zone Oct. 9 – Nov. 6
- Notice to Mariners Ch. 16
- BH on station October 12, 2021
- Limited by weather
- Recovery began October 14, 2021
- Completed October 31, 2021

DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery

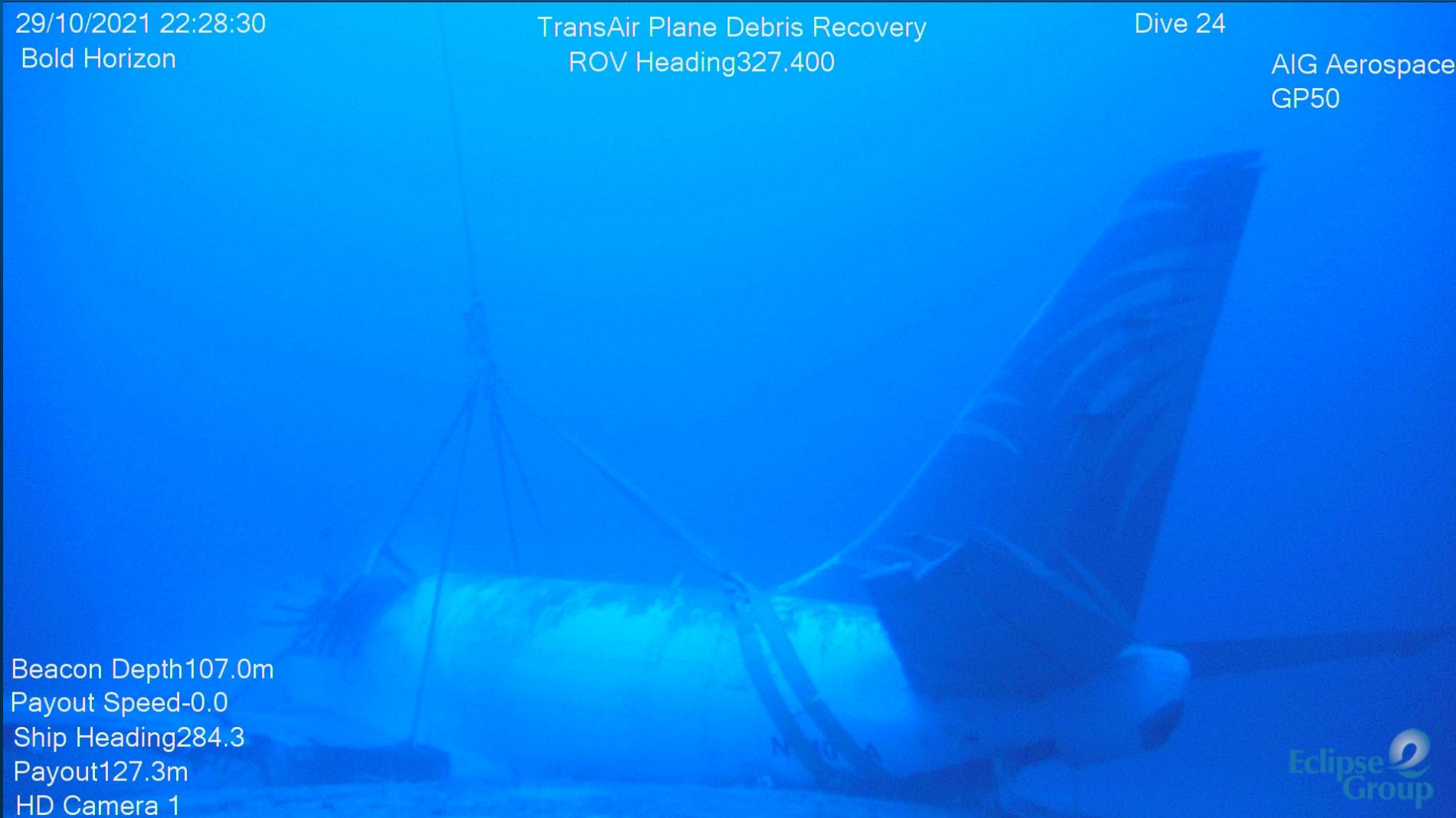
29/10/2021 22:28:30
Bold Horizon

TransAir Plane Debris Recovery
ROV Heading 327.400

Dive 24

AIG Aerospace
GP50

Beacon Depth 107.0m
Payout Speed -0.0
Ship Heading 284.3
Payout 127.3m
HD Camera 1



Eclipse
Group

DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Recovery



DCA21FA174 Disposal



DCA21FA174 Disposal



DCA21FA174 Disposal





Challenges

- Enormous amount of preplanning
- COVID Protocols
- Contracting difficulties
- Ambitious schedule
- No 24-hour operations
- Logistics to arrive in port
- Motion sickness for one SME
- Potential change in lift plan
- Anchor locations not accurate
- Storage cost from HI



[nts.gov](https://www.nts.gov)