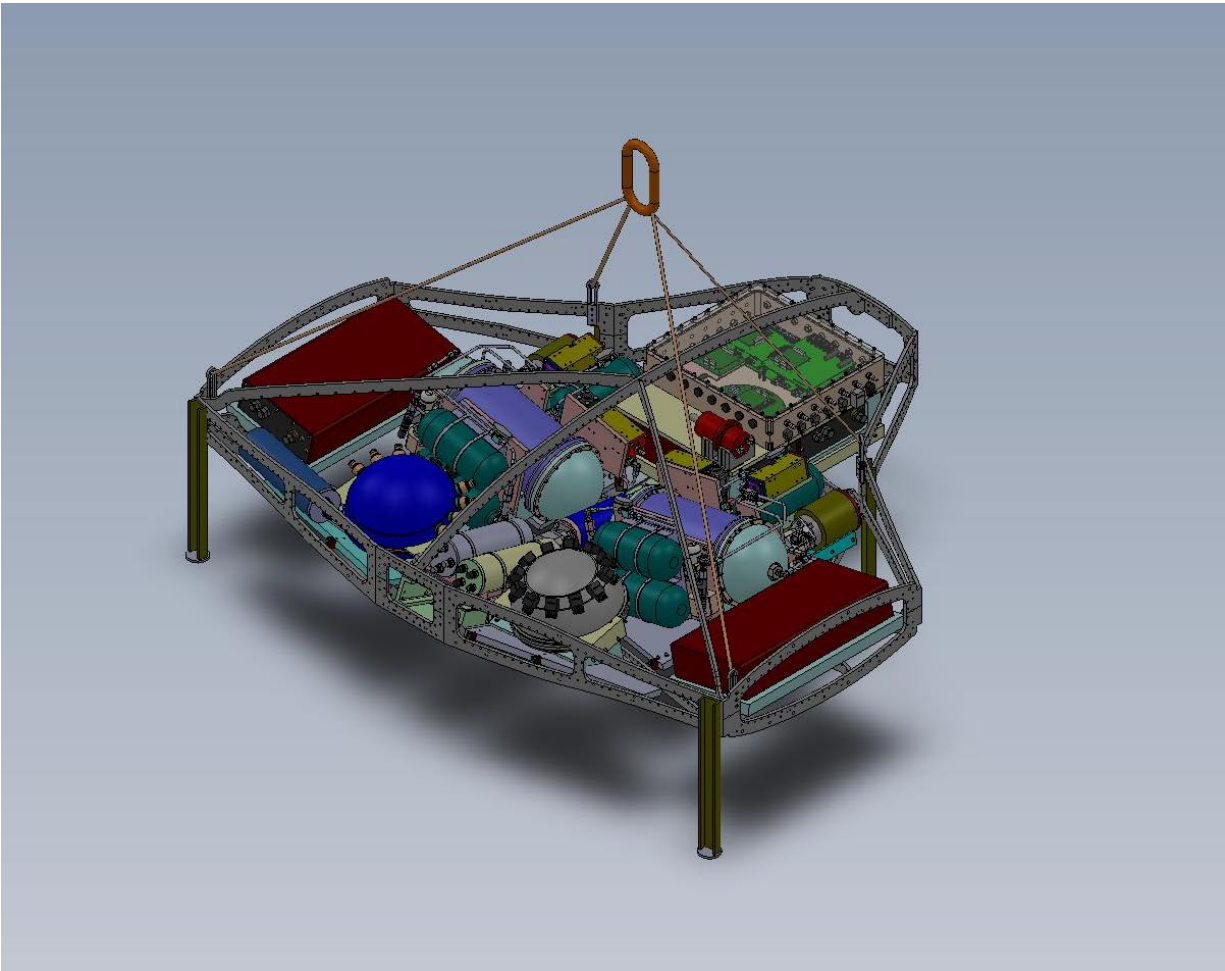
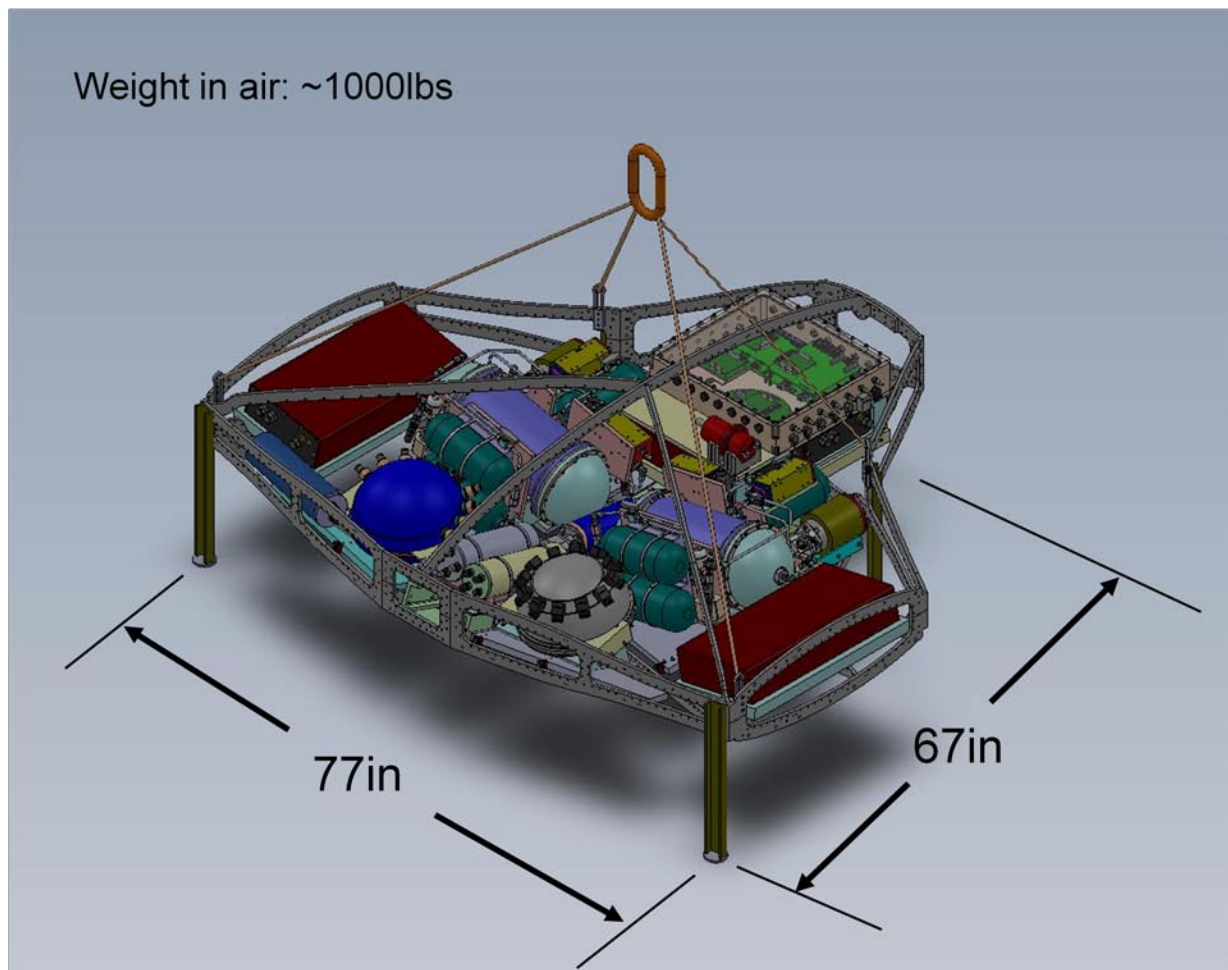


Cruise Plan: X2 Glider Systems Tests
March 16 & 17, 2010
R/V Robert Gordon Sproul



Overview

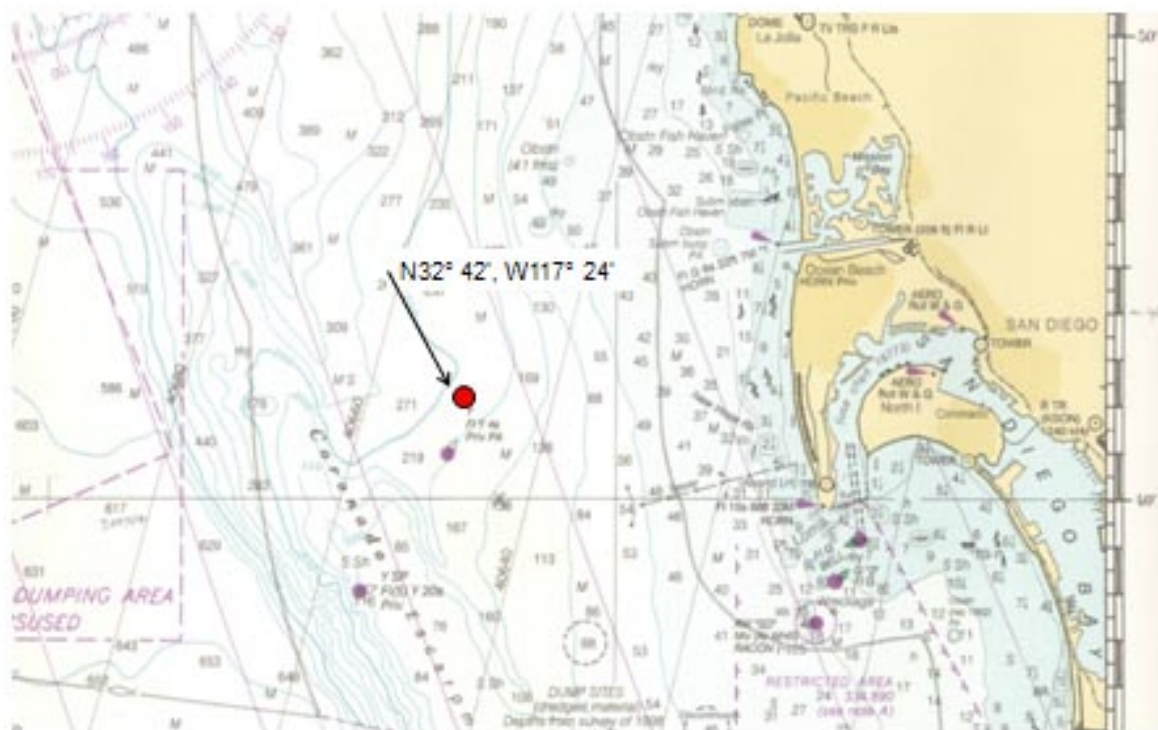
We will be conducting glider systems tests for our next generation underwater flying wing glider sponsored by ONR. This primarily consists of lowering the glider frame to various depths using the ship's trawl wire and A-frame. During test lowerings the ship will hold position into the wind while making minimum forward way. Maximum submerged depth of the test frame with the wire will be 1000ft. We will have our transducer pole mounted on the port side of the ship to enable acoustic modem communications while the instrument package is submerged. Operations will be conducted during daylight hours.



Test Site Location:

The test site is approximately 9nm NW of the outer buoy as indicated on the map below. Primary site criteria is to have at least 1100 ft water depth.

X2 Glider Systems Tests: March, 2010 Site Operations Area



Operations Schedule:

March 12th, Friday: Load control van (w. MARFAC crane) and glider in wireline test configuration. Setup

March 15th, Monday: Complete setup, deck testing, bay tests off the back of the Sproul

March 16th, Tuesday:

08:00: Depart Marfac, head for operations site at N32° 42', W117° 24'

~10:30 AM: Arrive test site

10:30-18:00: Test lowerings, evaluate performance

Note: At the end of first day of tests we will decide if further testing and/or repairs/modifications are required.

March 17th, Wednesday

Operations on day 2 will depend on the outcome of previous day's tests.

Offload:

All equipment and our van will be off loaded either Wednesday, 3-17 or Thursday, 3-18, depending on outcome of the tests.

Science Party

1) Gerald D'Spain	Ch Sci	SIO
2) Richard Zimmerman	Eng	SIO
3) Dennis Rimington	Eng	SIO
4) David Price	ET	SIO
5) Peter Brodsky	Eng	APL/UW
6) Resident Technician		SIO

3-1-2010, rz