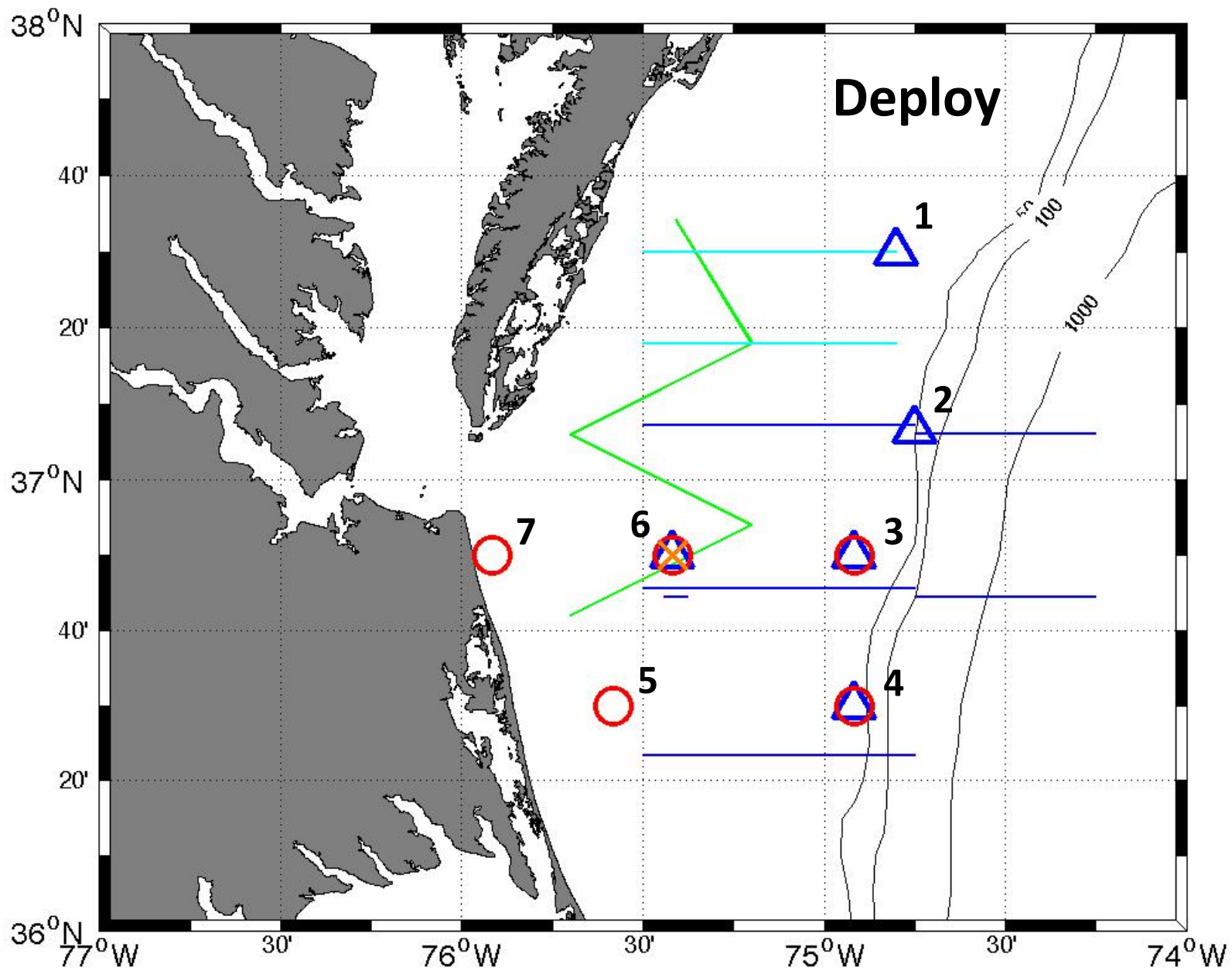


TW13 Timeline

- 25-28 Jun: MOB RV Knorr at WHOI, CRANE
- 05-08 Jul: MOB RV Knorr at WHOI
- 08 Jul: Depart WHOI transit to Norfolk, VA
- 09-10 Jul: Deploy gliders, buoys and wavegliders
- 11-12 Jul: MOB RV Knorr at Norfolk, VA
- 13-18 Jul: TW13
- 19 Jul: DEMOB RV Knorr at Norfolk, VA
- 19-20 Jul: Recover gliders and buoys
- Jul 21: Depart Norfolk, VA transit to WHOI

TW13 Transit Legs: People

- WHOI-Norfolk, 08-10 Jul, Deploy Leg
- Norfolk-WHOI, 19-21 Jul, Recover Leg



TW13 Deploy Transit Leg Plan

MOB: 01-03 Jul WHOI

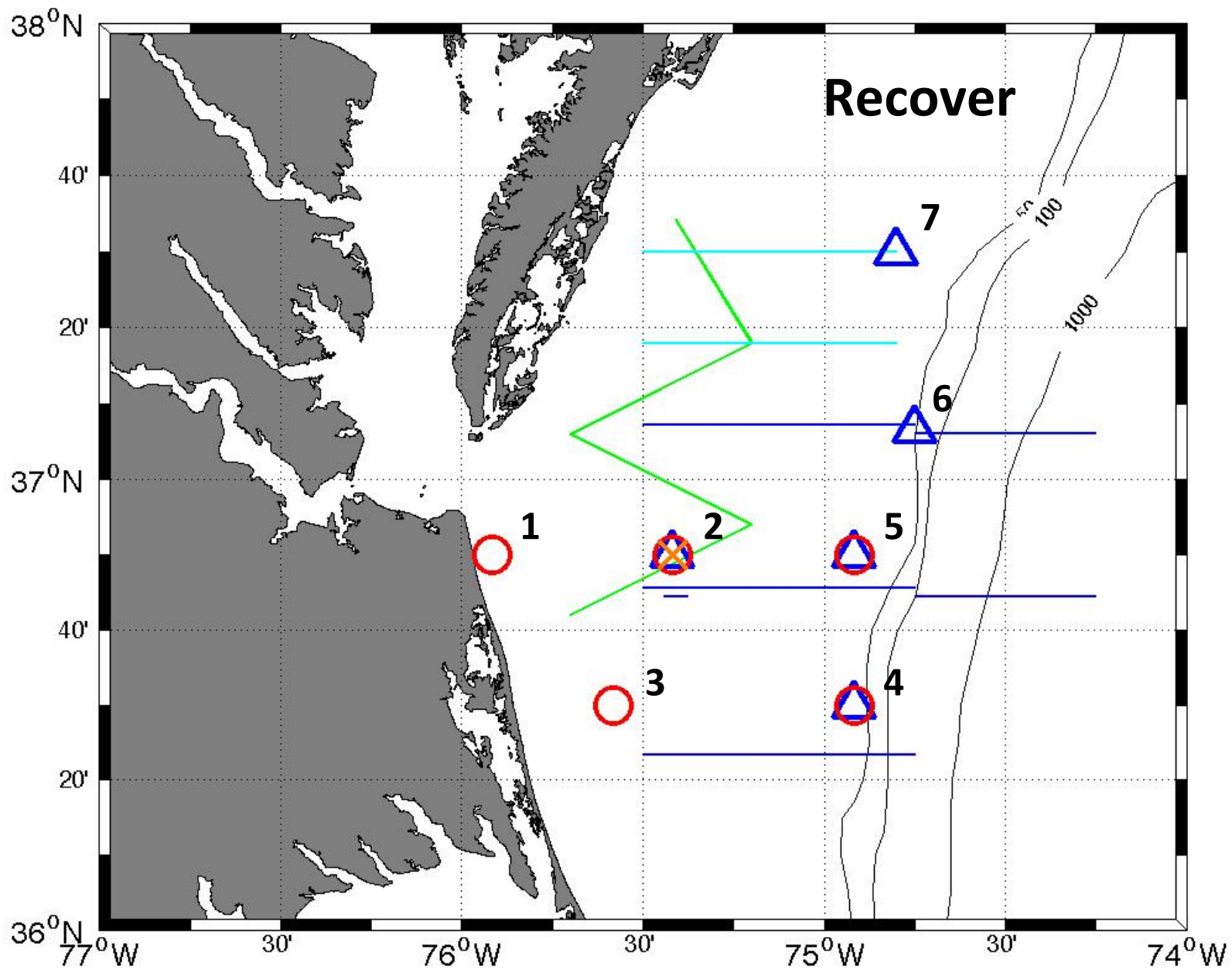
Depart: 08 Jul WHOI

09-10 Jul Deploy:

1. 74° 48.00' W, 37° 30.00' N: Deploy 3 gliders
2. 74° 45.00' W, 37° 06.60' N: Deploy 2 gliders
3. 74° 55.00' W, 36° 50.00' N: Deploy 2 gliders and 1 wave buoy
4. 74° 55.00' W, 36° 30.00' N: Deploy 1 glider and 1 wave buoy
5. 75° 35.00' W, 36° 30.00' N: Deploy 1 wave buoy
6. 75° 25.00' W, 36° 50.00' N: Deploy 1 glider, 1 wave buoy and 4 wavegliders
7. 75° 55.00' W, 36° 50.00' N: Deploy 1 wave buoy

Arrive: 11 Jul Norfolk, VA

08:00	08 Jul	Depart WHOI (guessing at departure and transit time)
12:00	09 Jul	AR: 74 48.0 W, 37 30.0 N; Deploy 3 gliders (3 hrs)
15:00		Transit 23.5 nm
17:30		AR: 74 45.0 W, 37 06.6 N; Deploy 2 gliders (2 hrs)
19:30		Transit 18.4 nm
21:30		AR: 74 55.0 W, 36 50.0 N; Deploy 2 gliders (2 hrs), 1 buoy (1/2 hr)
00:30	10 Jul	Transit 20.0 nm
02:30		AR: 74 55.0 W, 36 30.0 N; Deploy 1 glider (1 hr), 1 buoy (1/2 hr)
04:00		Transit 32.3 nm
07:30		AR: 75 35.0 W, 36 30.0 N; Deploy 1 buoy (1/2 hr)
08:00		Transit 21.5 nm
10:30		AR: 75 25.0 W, 36 50.0 N; Deploy 1 buoy (1/2 hr), 1 glider (1 hr) and 4 wavegliders (6 hours)
18:00		Transit 24.1 nm
20:30		AR: 75 55.0 W, 36 50.0 N; Deploy 1 buoy (1/2 hr)
21:00		Done. Total time = 33 hrs



TW13 Recover Transit Leg Plan

Depart: 19 Jul Norfolk, VA

19-20 Jul :

1. 75° 55.00' W, 36° 50.00' N: Recover 1 wave buoy
2. 75° 25.00' W, 36° 50.00' N: Recover 1 wave buoy and 1 glider*
3. 75° 35.00' W, 36° 30.00' N: Recover 1 wave buoy and 1 glider*
4. 74° 55.00' W, 36° 30.00' N: Recover 1 wave buoy and 1 glider*
5. 74° 55.00' W, 36° 50.00' N: Recover 1 wave buoy and 2 gliders*
6. 74° 45.00' W, 37° 06.60' N: Recover 2 gliders*
7. 74° 48.00' W, 37° 30.00' N: Recover 2 gliders*

* = actual location of gliders will differ

08:00	19 Jul	Depart Norfolk
09:00		AR: 75 55.0 W, 36 50.0 N; Recover 1 buoy (1/2 hr)
09:30		Transit 24.1 nm
12:00		AR: 75 25.0 W, 36 50.0 N; Recover 1 buoy (1/2 hr), 1 glider (2 hr)
14:30		Transit 18.4 nm
16:30		AR: 75 35.0 W, 36 30.0 N; Recover 1 buoy (1/2 hr), 1 glider (2 hr)
19:00		Transit 32.3 nm
22:30		AR: 74 55.0 W, 36 30.0 N; Recover 1 buoy (1/2 hr), 1 glider (2 hr)
01:00	20 Jul	Transit 20.0 nm
03:00		AR: 74 55.0 W, 36 50.0 N; Recover 1 buoy (1/2 hr), 2 gliders (4 hr)
07:30		Transit 21.5 nm
10:00		AR: 74 45.0 W, 37 06.6 N; Recover 2 gliders (4 hrs)
14:00		Transit 23.5 nm
16:30		AR: 74 48.0 W, 37 30.0 N; Recover 2 gliders (4 hrs)
20:30		Done. Total time = 36.5 hours

Gliders

NAVO and OSU gliders run cross-shelf lines
NRL glider runs zig-zag near shore

Gliders can be stored on deck before deployment and after recovery

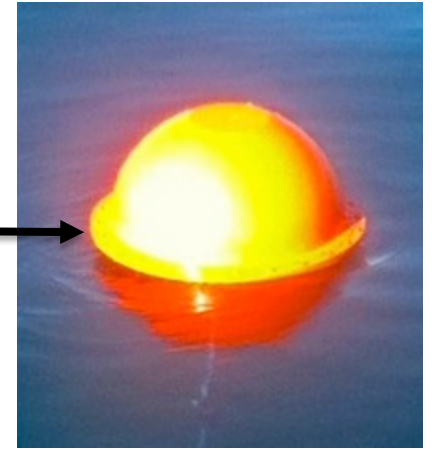
OSU gliders will be piloted from Knorr. We need internet access and space for a couple of laptops

NRL/NAVO gliders will be piloted from home.



SIO Wavebuoys

The five (5) moored 15.5" diameter wavebuoys in Pelican cases will be shipped to WHOI prior to MOB. Cases are 20.50" x 20.50" x 19.25", 105 lb. each including 50 lb. mooring weight



6th Pelican case with the 10" diameter drifter buoy in it, no mooring

Deployment logistics are:

transit to the five (5) mooring sites each of which is separated by approximately 25 NM, with an approximate 1/2 hour deployment time.



During the experiment, we will want to deploy/recover the drifter buoy using the RIB from the Knorr on a daily basis, starting up-wind/wave/current, and recovering down wind/wave/current.

4-Wavegliders

- Can be stored on deck before deployment and after recovery.
- Will be piloted from the UMVC2 Van on the KNORR
- WaveGlider navigation areas will be coordinated with AUV team (typically 10-15 nm apart)
- Deployment: ~25min per vehicle
- Recovery: ~45min per vehicle
 - Small boat support required.



L&R from KNORR



L&R from RHIB

