

Dr. Amy Bower: OSNAP: Overturning in the Subpolar North Atlantic

2013: Jan 01 - Dec 31

15 February: Proposal submitted.

15 July: Unofficial mtng at AMOC to hash out cruise planning.

01 August: Funding awarded.

01 September: Funding loaded, begin Year 1.

01-30 September: Purchase equipment, 40 RAFOS, 10 sound sources, mooring gear.

02 OCT: JValdes ordered long lead time items: [Source Subconn connectors, Source resonator tube stock, Source spherical transducer, Source electronics, RAFOS Floats]. See 'Equipment' link in sidebar for more details.

21 October: Lab meeting, notes in sidebar.

- RAFOS equipped APEX or SOLO1s - Heather and Amy (respectively) to flush out now.
- Jim V to order mounts for ceramics.

15 November - Heather delivers hydro props to Jim V for tuning. (Completed 22 November).

20 November - Heather delivered mooring fabrication parameters to R. Trask.

NOV, DEC - modelling of tuning variables (Jim V.).

4 December - one APEX w/ RAFOS board pledged; Jim V. working on cost estimate for 'empty' SOLOs w/ RAFOS boards. No news from the UK Argo group.

2014: Jan 01 - Dec 31

February: two (2) RAFOS delivered to WHOI from Seascan for mission testing.

Feb:sosos - burn in electronics, assemble resonators.

25-28 February: OSNAP meeting at Ocean Sciences Hawaii.

March: remaining 38 RAFOS delivered.
sosos - assemble resonators, dummy load.

April: Ballasting.
sosos - tune resonators, electroics tuning, assembly.

May: finish sound source assembly, finish float ballasting.

14-16 June: mob days for Knorr at Woods Hole. Nine (9 of 10 total) sound sources (with wire, floatation, releases, anchors) and 40 (of 120) RAFOS to be loaded.

16 June - 30 June: Leg 1 Woods Hole to Reykjavic, three sources to be deployed.

02 July - 31 July: Leg 2 (old Leg 3) Reykjavic to Reykjavic, 20 RAFOS and 3 sources to be deployed in eastern OSNAP region (flanks of Reyjanes Ridge).

05 July: Depart St. John's GEOMAR Juergen Fischer 53N array servicing cruise: Johannes Karstensen loads our 10th sound source mooring in St. John's, and deploys at 57.5N 54.0W.

01 August - 01 September : Leg 3 (old Leg 2) Reykjavic to Reykjavic, 20 RAFOS and 3 sources to be deployed in western OSNAP region (at Cape Farewell).

Related Files

» [Subpolar Gyre International Cruises 2014 Master V2](#)

» [Lab Mtng 21 October](#)

» [Equipment](#)

Equipment ordering, set up, shipping, deployment, etc ...

» [Knorr 2014 OSNAP Ship Schedule](#)

Details, ports, dates for three OSNAP legs.

» [Seascan Quote \(RAFOS\)](#)

» [Proposal: OSNAP East U.S.](#)

Funded proposal describing U.S. work from Scotland to central Irminger Basin.

» [Proposal: OSNAP West U.S.](#)

Funded proposal describing U.S. work from central Irminger Basin to central Labrador Sea. Includes all float and sound source descriptions.

» [Subpolar Gyre International Cruises 2014 Master](#)

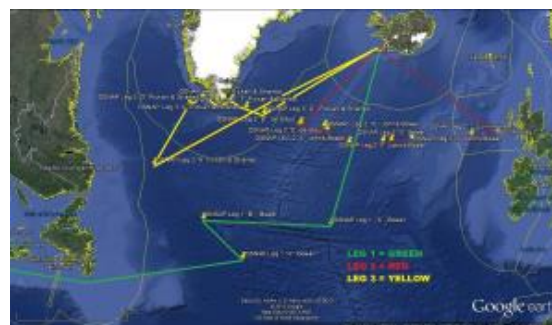
» [Sound Source Mooring Diagrams](#)

Done by J. Kemp, drafts.

Related Links

» [WHOI News Release](#)

» [NSF News Release](#)



[Enlarge Image](#)

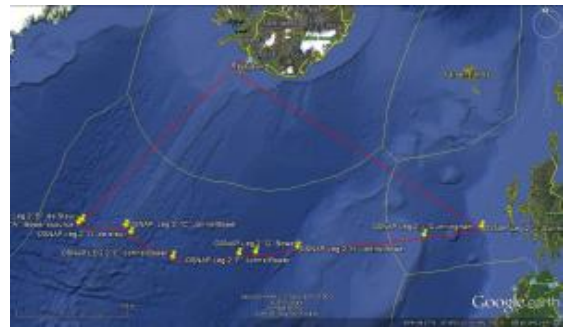


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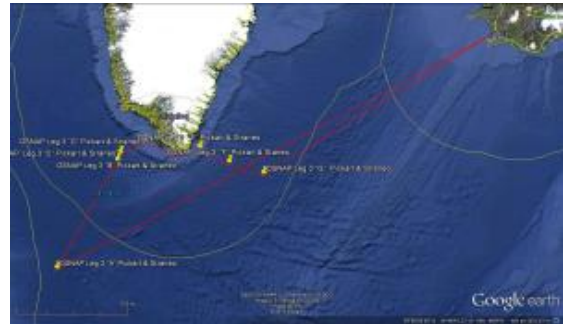
->> When/where do monitoring APEX get delivered?

01 September: Begin Year 2.

September: Order second set of 40 RAFOS.



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Related Files

» [OSNAP 2014 cruise schedule from Eric Benway](#)
Ports, dates, number of days, mob and demob dates.

2015: Jan 01 - Dec 31

15 March: 40 RAFOS delivered.

April: Ballasting.

July: 20 RAFOS deployed on flanks of Reyjanes Ridge.

August: 20 RAFOS deployed at Cape Farewell.

01 September: Begin Year 3.

September: Order last 40 RAFOS.

2016: Jan 01 - Dec 31

15 March: 40 RAFOS delivered.

April: Ballasting.

July: 20 RAFOS deployed on flanks of Reyjanes Ridge.

August: 20 RAFOS deployed at Cape Farewell.

01 September: Begin Year 4.

2017: Jan 01 - Dec 31

Summer: 40 3-yr and 40 2-yr RAFOS scheduled to surface (deployed summer 2014 and summer 2015).

01 September: Begin Year 5.

2018: Jan 01 - Dec 31

Summer: recover 6 of the original 10 sound sources. Sources not on Leg 2/3 lines are considered expendable.

Summer: 40 2-year RAFOS scheduled to surface (deployed summer 2016).

31 August: End Year 5.

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