

**WCRP/SCAR
International Program for Antarctic Buoy (IPAB)
DBCP-28 Report**

Executive Committee:

Chair: Petra Heil, Australian Antarctic Division

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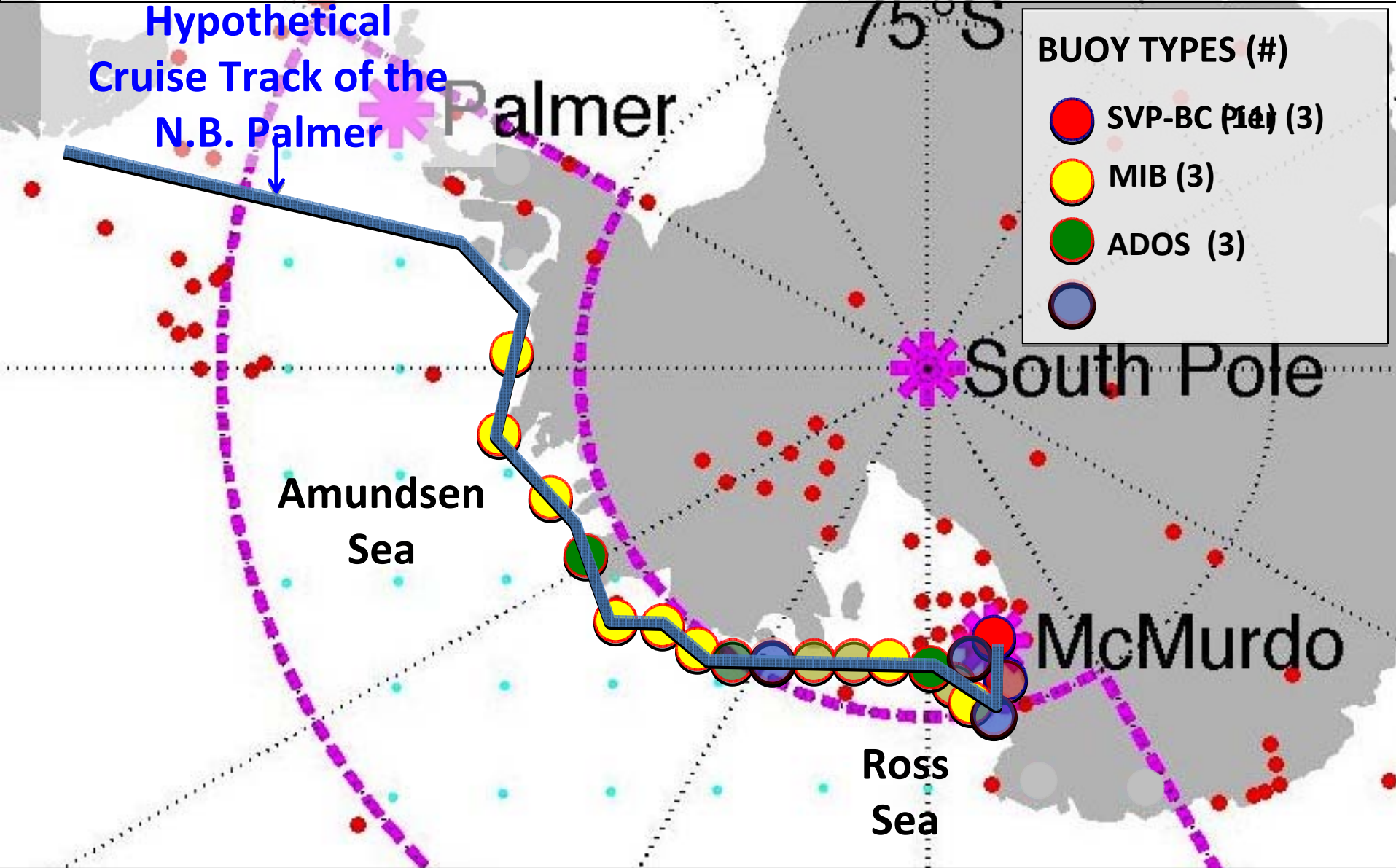
Coordinator: Christian Haas, York University, Canada

Participants: 22 Operational and Research Institutions

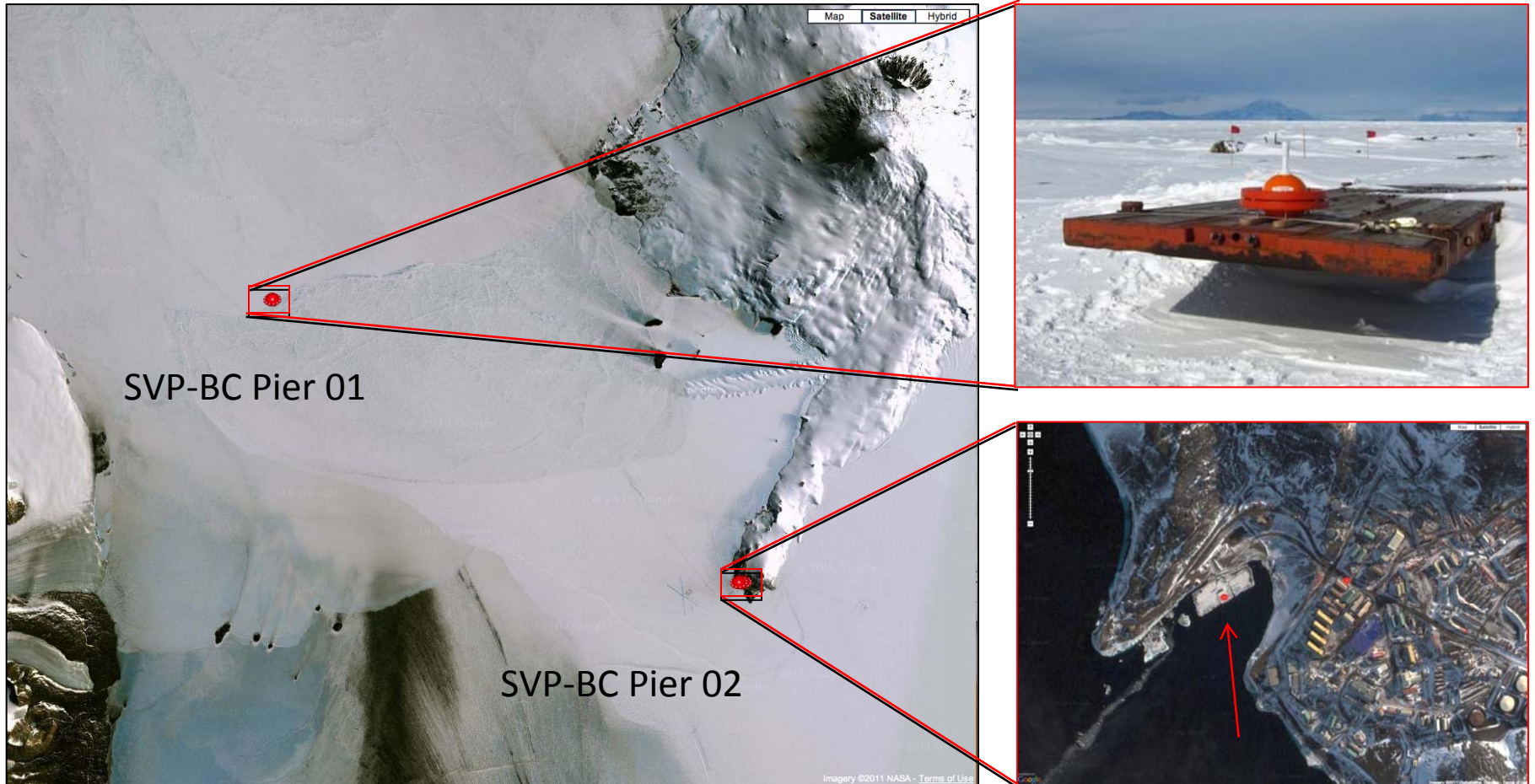
Web Page: www.IPAB.aq

Report presented by Ignatius Rigor

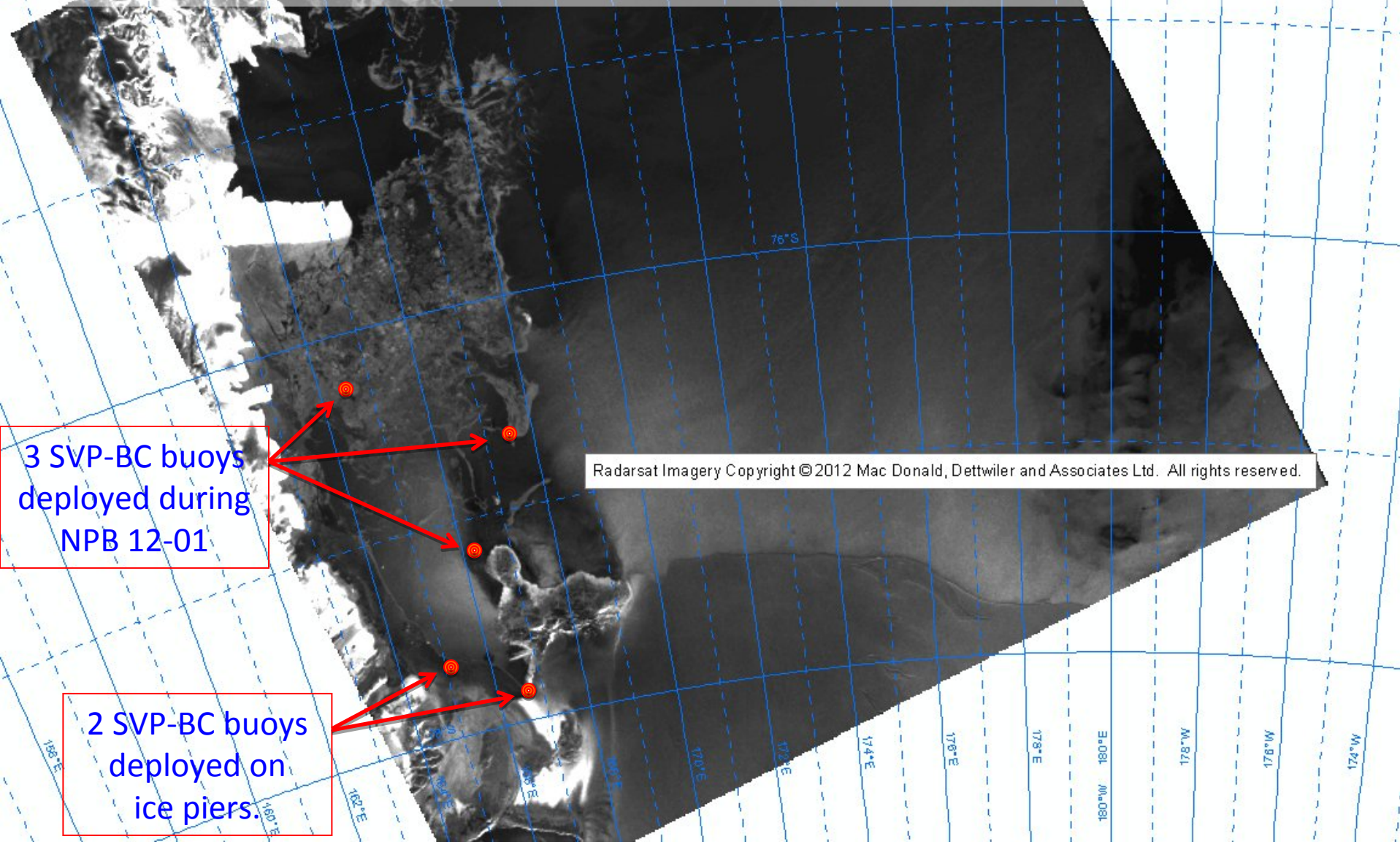
US Interagency Program for Antarctic Buoy (USIABP) Buoy Deployment Plans 2011-12



SVP-B (SLP, surface temperature, GPS) Deployed On McMurdo Ice Piers



SVP-BC Buoys Deployed on Piers and during NPB 12-01 Overlaid on RadarSat Image from National Ice Center (Feb. 2, 2012)



SVP-BC Buoy Deployed On Ice by NPB

This buoy measures SLP, and Surface Temperature



Upper layer Temperature of the Ocean (UpTempO, aka ADOS) Buoys

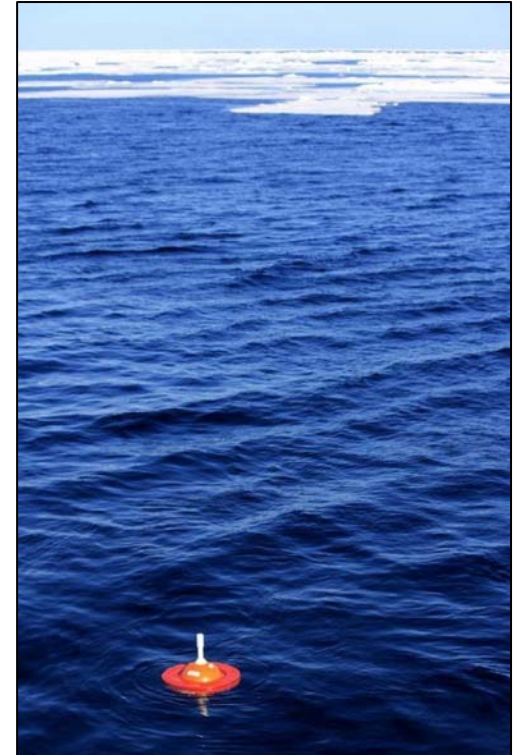
These buoys measure SLP, and upper ocean temperatures.



Preparing the thermistor string for playing through a hole augered into the ice.



A hole was augered through which the thermistor string was lowered.

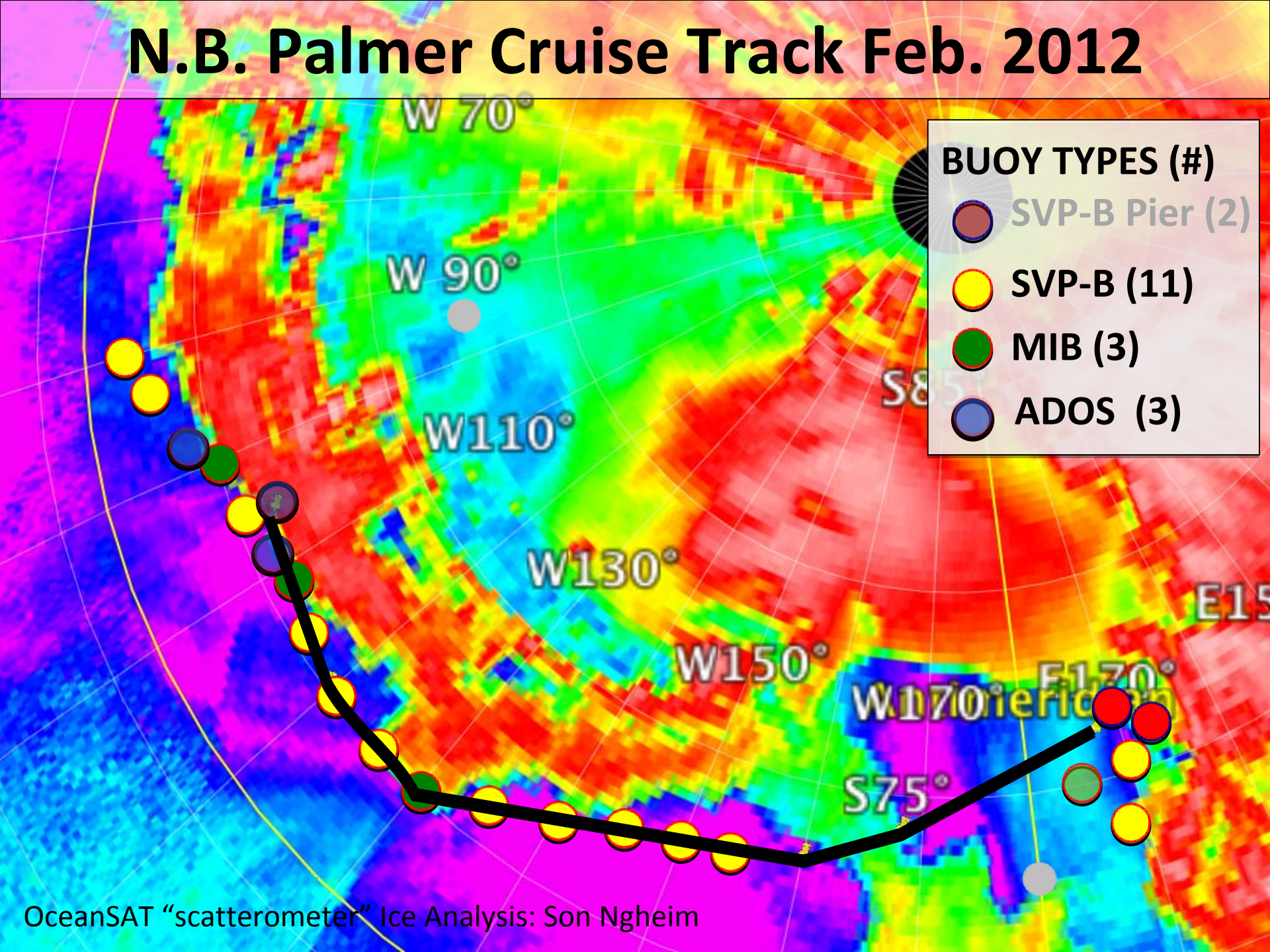


Open Water Deployment in an area of sea ice.

N.B. Palmer Cruise Track Feb. 2012

BUOY TYPES (#)

- SVP-B Pier (2)
- SVP-B (11)
- MIB (3)
- ADOS (3)



IPAB on GTS - April 2012

<http://isdm.gc.ca/isdm-gdsi/drib-bder/KML/MonthlyKML-eng.htm>



Table 1: Status of Buoys deployed in 2011/2012 Season

Buoy Description	Deployment Date	Status
SVP-BC Pier 1	11/27/2011	Currently reporting from 70°22.968'S 166° 39.408'E after 291 days.
SVP-BC Pier 2	12/16/2011	Currently reporting from 77°50.808S 166° 38.460'E After 272 days.
SVP-BC NBP 1201-1	1/31/2012	52 days
SVP-BC NBP 1201-2	1/16/2012	21 days
SVP-BC NBP-1201-3	1/13/2012	47 days
SVP-BC NBP 1202-1	2/14/2012	75 days
SVP-BC NBP 1202-2	2/14/2012	143 days
SVP-BC NBP-1202-3	2/14/2012	197 days
SVP-BC NBP-1202-4	2/14/2012	74 days
SVP-BC NBP-1202-5	2/17/2012	104 days
SVP-BC NBP-1202-6	2/14/2012	102 days
SVP-BC NBP-1202-7	2/17/2012	174 days
SVP-BC NBP-1202-8	2/14/2012	174 days
MIB NBP-1202-1	2/16/2012	34 days
MIB NBP-1202-2	2/18/2012	94 days
MIB NBP-1202-3	2/18/2012	Failed on Deployment
ADOS NBP-1202-1	2/18/2012	17 days
ADOS NBP-1202-2	2/19/2012	74 days
ADOS NBP-1202-3	2/19/2012	93 days
Average Life Span		113 days

WCRP/SCAR IPAB

Deployment Plans for 2012 - 2013

In Situ Monitoring

Choose a Program: All Programs

Choose a Parameter: All Parameters

Choose a Platform: All Platforms

OR enter a WMO ID:

FROM: 2012 Oct 01

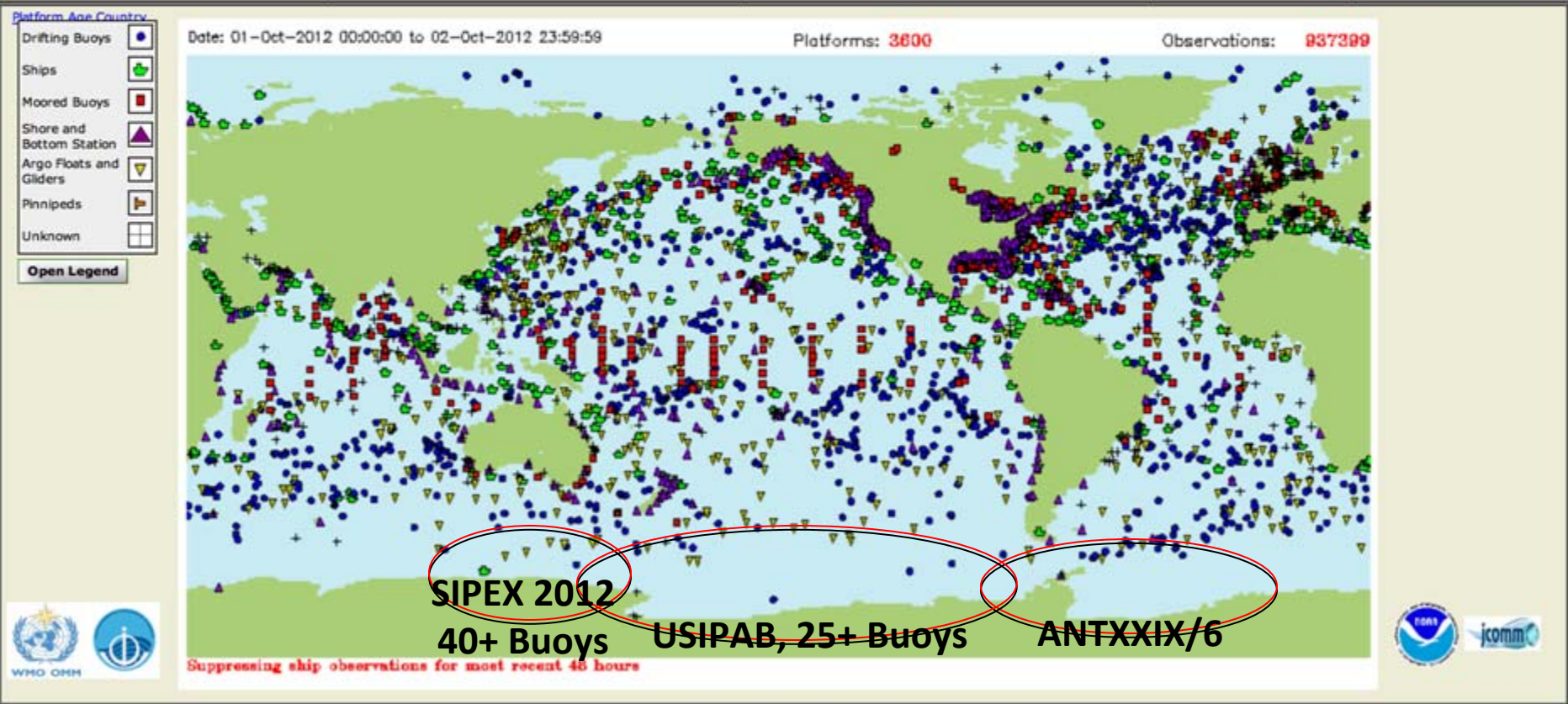
TO: 2012 Oct 02

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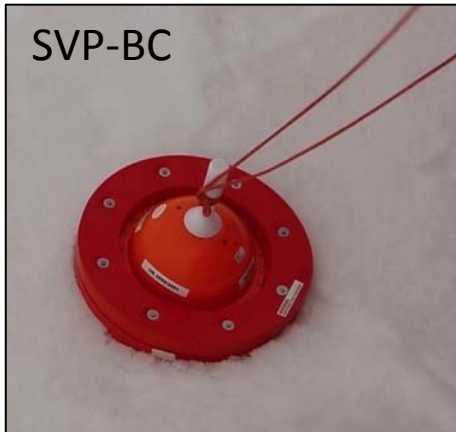
Map Options: Detailed, Shaded land, 10 grad, Political Boundaries, Preserve 2:1 aspect ratio

Map Domain: 90, -90

Refresh Map, ZoomOut, Print Image, Real Time Clock, View on Google Earth, Google Earth Animation, View on Google Maps, Platform Info



WCRP/SCAR IPAB Summary



1. USIPAB Deployed
2. Data are posted on GTS, and will be available from USIPAB.apl.washington.edu and www.IPAB.aq.



3. 2011 – 2012 Deployments
 - USIABP: 19 buoys deployed, 3 MIB, 3 UpTempO, 13 SVP-BC; 2 SVP-BC currently reporting.



WCRP/SCAR IPAB Summary



4. 2012 – 2013 Deployment Plans

- Sea Ice Physics and Ecosystem eXperiment (SIPEX) 2012: 40+ buoys.
- USIPAB: Deploy 12 AXIB Seasonal Ice Buoys, and will continue to deploy a mix of 3 UpTempO and 10 SVP buoys.
- ANTXXIX/6, Polarstern Cruise to the Weddell Sea.
- The Meteorological Services of South Africa, Australia, and New Zealand continue to operationally deploy numerous SVP's in the Southern Ocean, primarily north of the sea ice edge.

