



NORTH PACIFIC DATA BUOY ADVISORY PANEL



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NPDBAP - Paris, France - 23-27 September, 2013

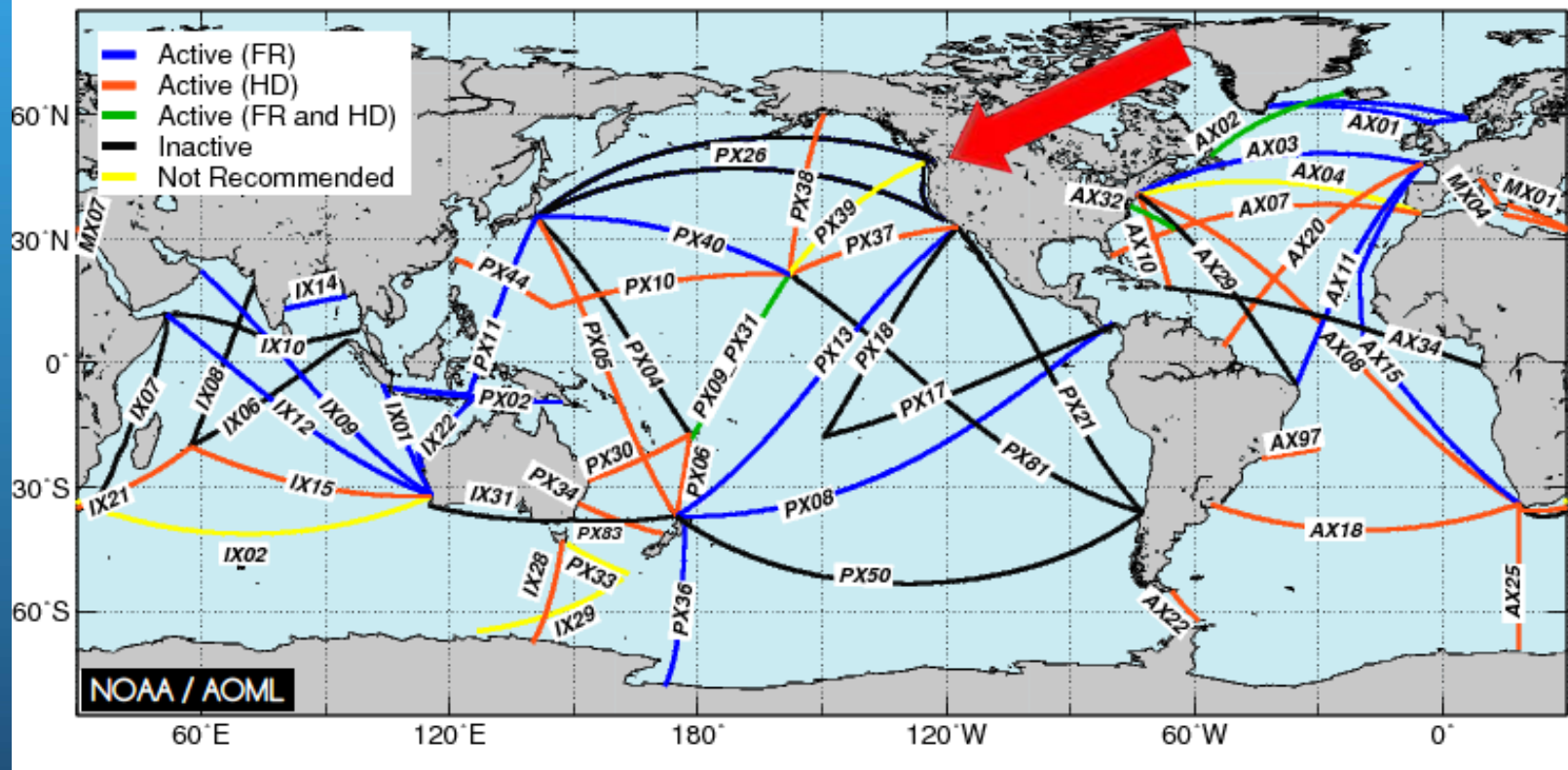
2013 Goals

1. Deployment of 70 SVPB Drifters
1. Deep-ocean Assessment and Reporting of Tsunamis (DART) Cruise Utilization
2. Manage NPDBAP website as DBCP working group
 1. Increase Intercessional Participation

Increased Collaborative Efforts

- Special Thanks to Vaughn Williams (EC PMO) and Steve Noah (GDP Contractor)

Current Status and Implementation of XBT Transects (2010–2011)



Thank You, Kelly!

<http://dbcp.jcommops.org/npdbap/>



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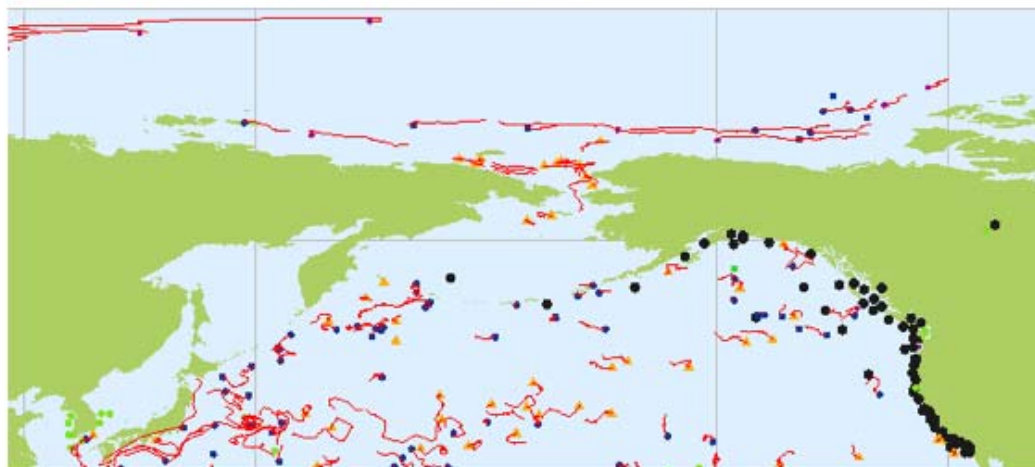
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North Pacific Data Buoy overview from JCOMMOPS



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The objective of the North Pacific Data Buoy Advisory Panel (NPDBAP) is to maintain an observational data buoy program north of 30°N in the North Pacific Ocean and marginal seas.

Moored buoys and drifters, such as the Surface Velocity Program buoy (SVP) measure many environmental parameters like surface winds, waves, sea-level atmospheric pressures, surface ocean currents and sea-surface water temperatures. This data provides valuable information to meteorologists and oceanographers, resulting in improved accuracy of weather forecasts worldwide. Normally drifters only measure the surface current speed and direction, but with barometers added to the drifter (SVP/B), additional measurements of atmospheric pressure are possible. The buoys transmit their data in real-time via various operational satellite communication systems such as GOES, ARGOS and Iridium.

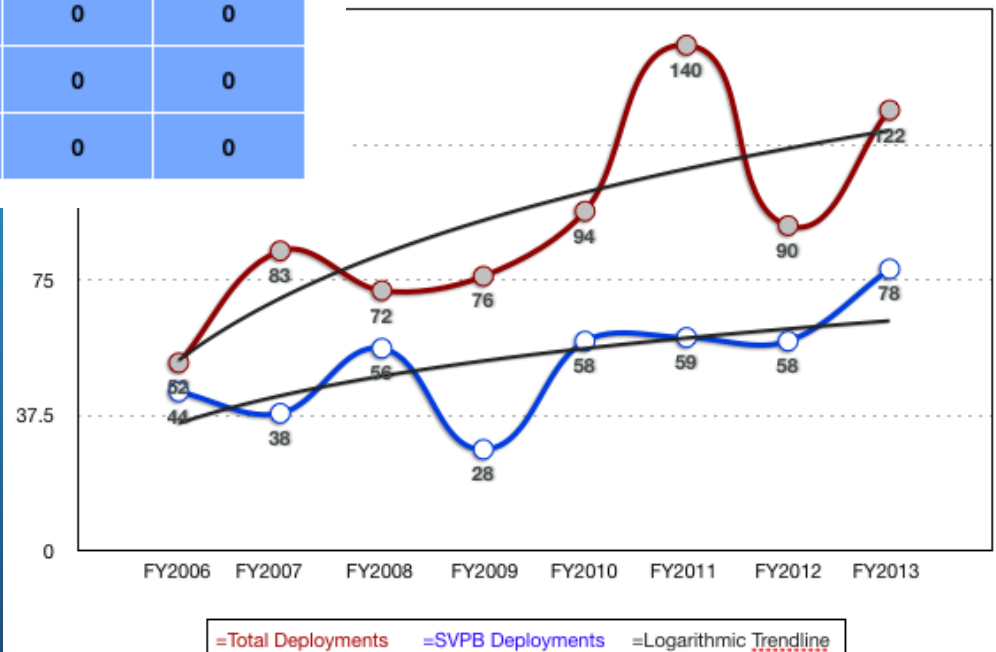
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NPDBAP - Paris, France - 23-27 September, 2013

Deployment Trends

	Total	SVPB	SVP	SVPW	SVPBW	SVPG
FY2006	52	44	6	0	2	0
FY2007	83	38	44	1	0	0
FY2008	72	56	16	0	0	0
FY2009	76	28	35	0	0	13
FY2010	94	58	13	1	0	22
FY2011	140	59	81	0	0	0
FY2012	90	58	32	0	0	0
FY2013	122	78	44	0	0	0

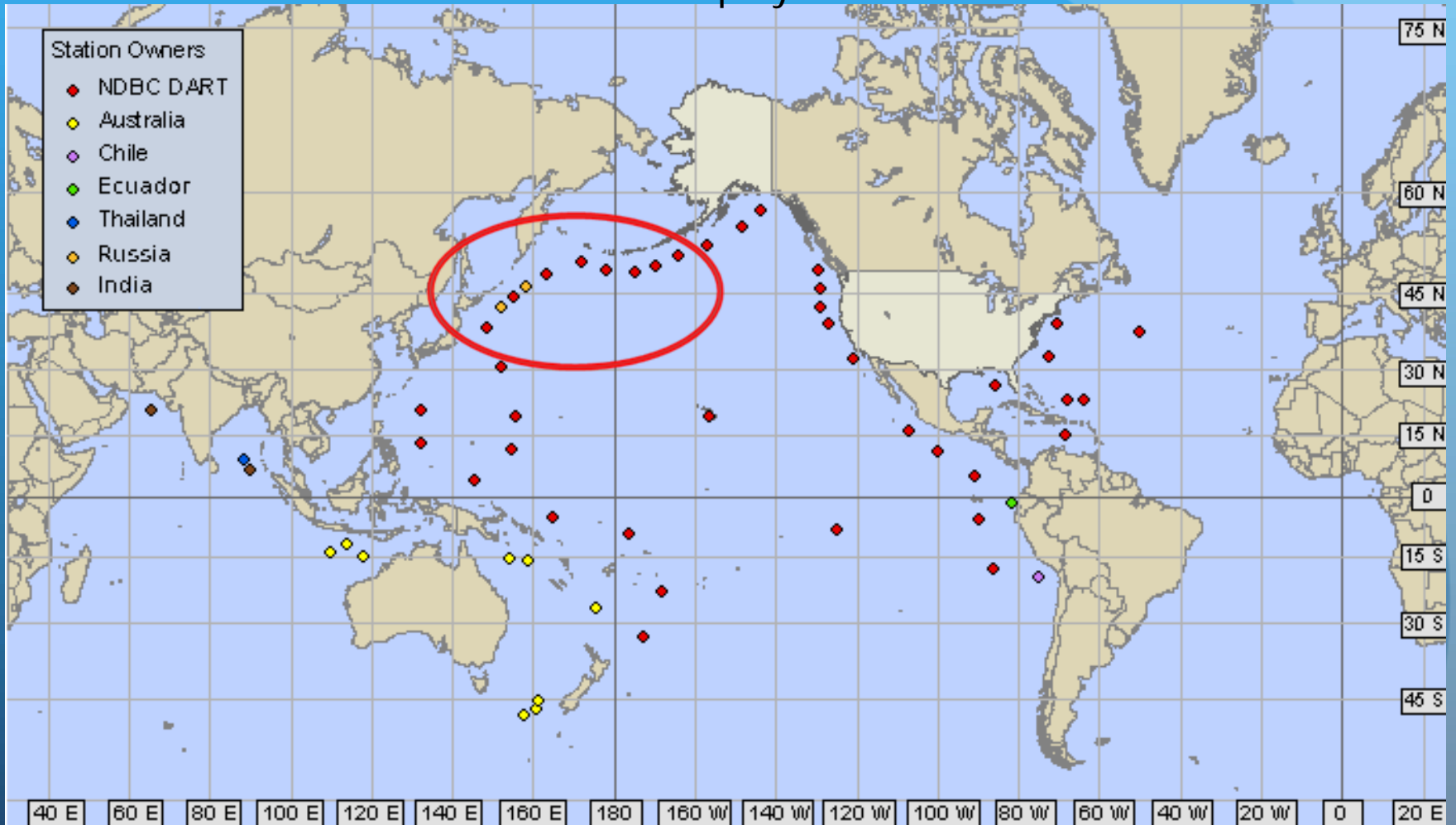
Deployment Trend



Notable Drifter Deployments

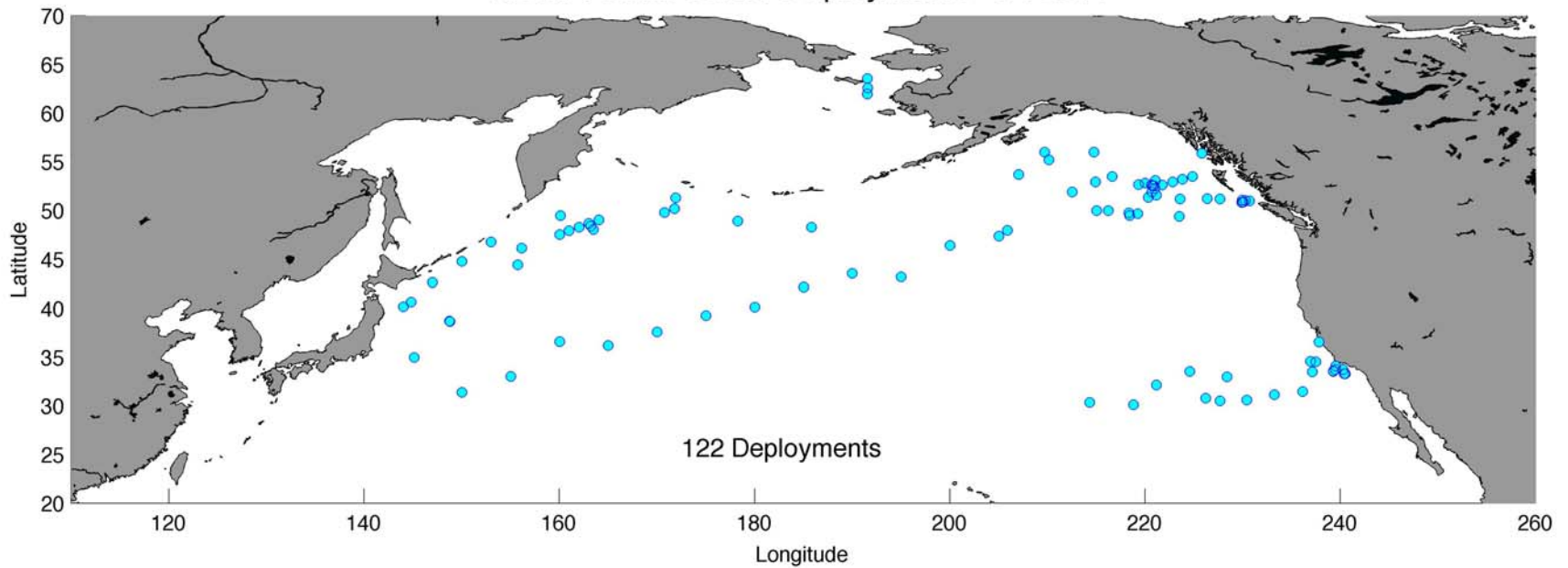
Deep-ocean Assessment and Reporting of Tsunamis (DART)

20 SVPB Deployments



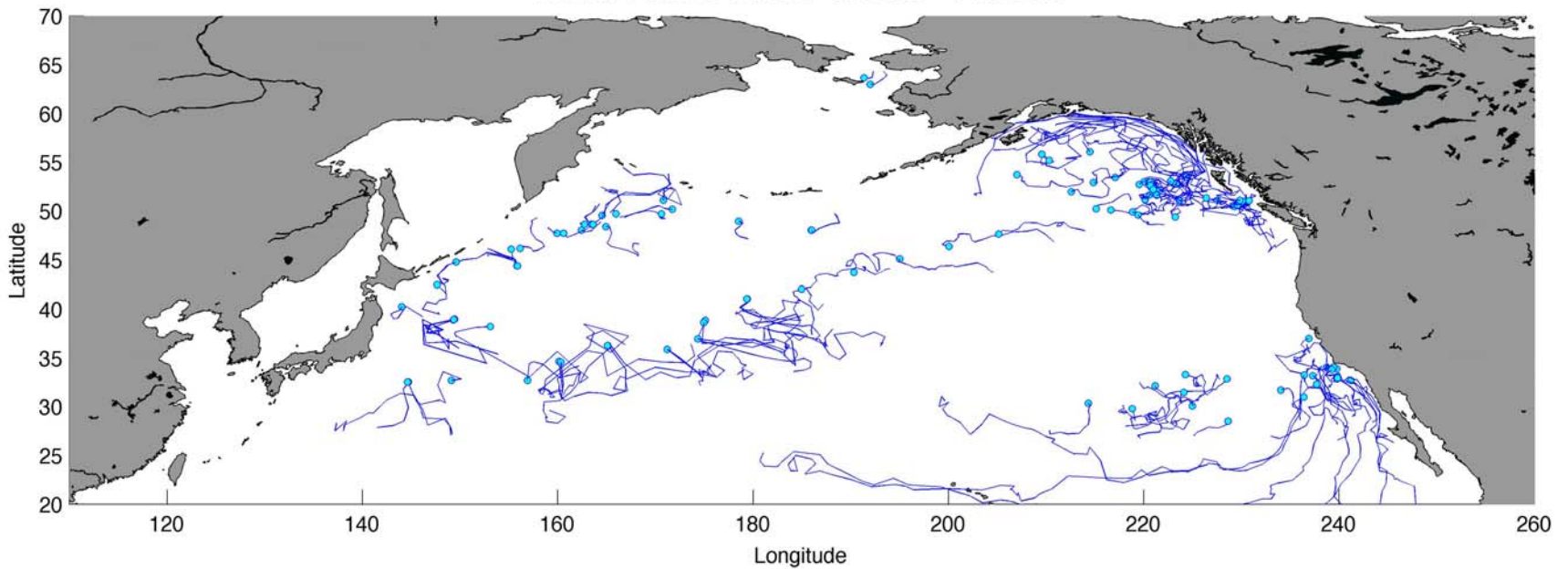
2013 Drifter Deployments

North Pacific Drifter Deployments - FY2013



2013 Deployment Trajectories

North Pacific Drifter Tracks - FY2013



Number of Archived
Messages
August 2011 to July 2012

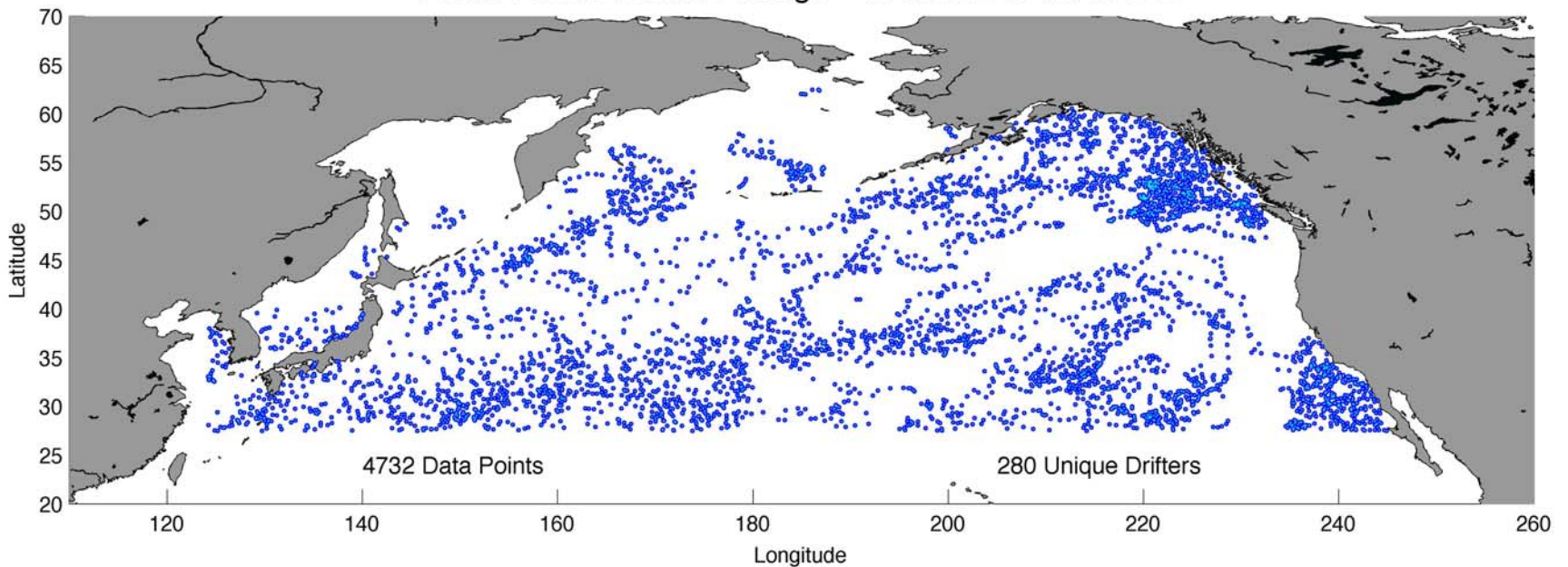


Number of Archived
Messages
August 2012 to July 2013

- 153 Drifters per Month
- 873,427 Total messages in 2012
- 83,000 Messages per Month
- 82,407 Messages in 2011
- 101 Drifters per Month
- 568,381 Total messages in 2013
- 62,000 Messages per Month

Drifter Transmissions

North Pacific Data Coverage -- 8/1/2012 to 7/31/2013



2013 Goals

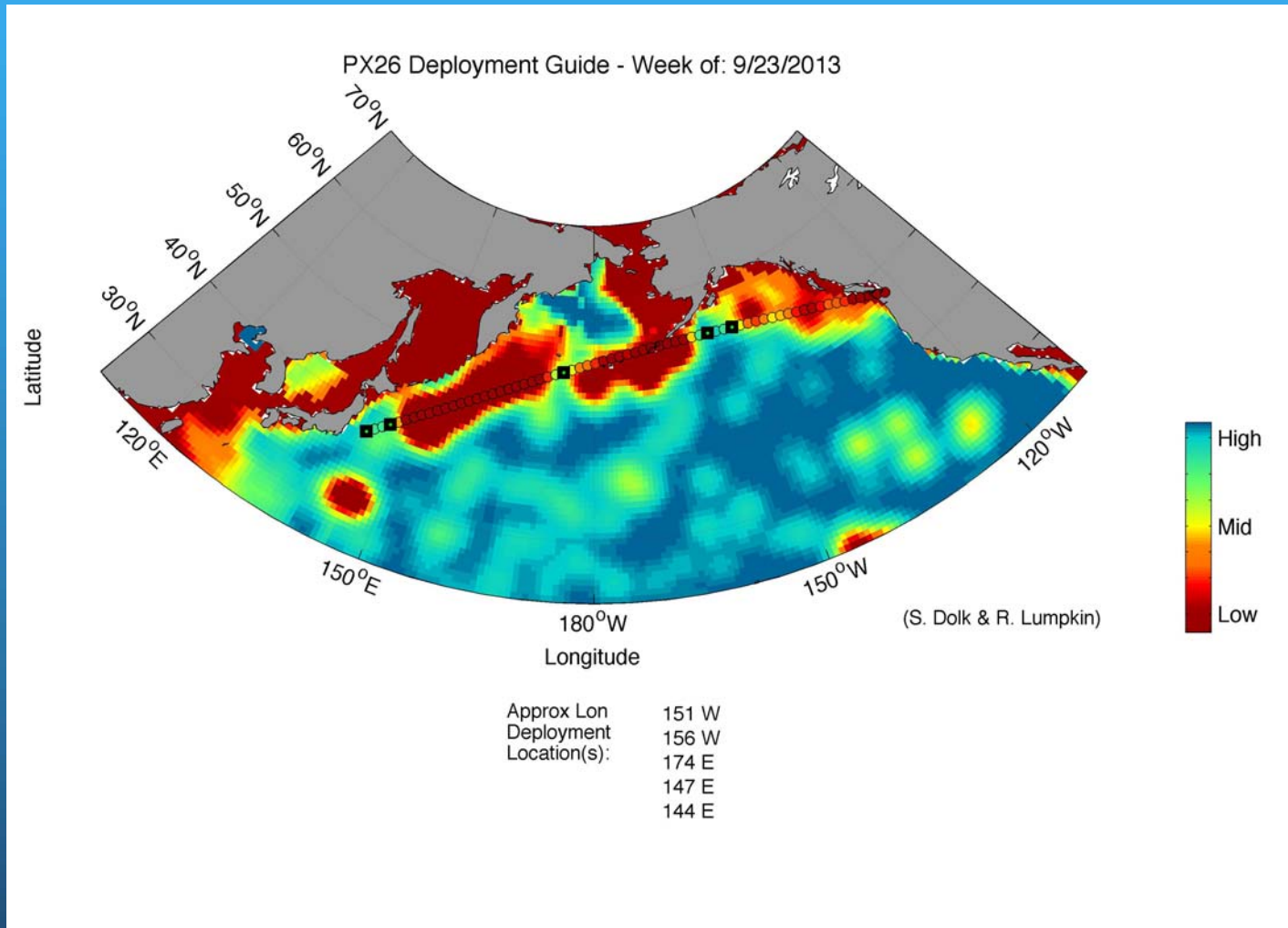
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Drifter Trajectories



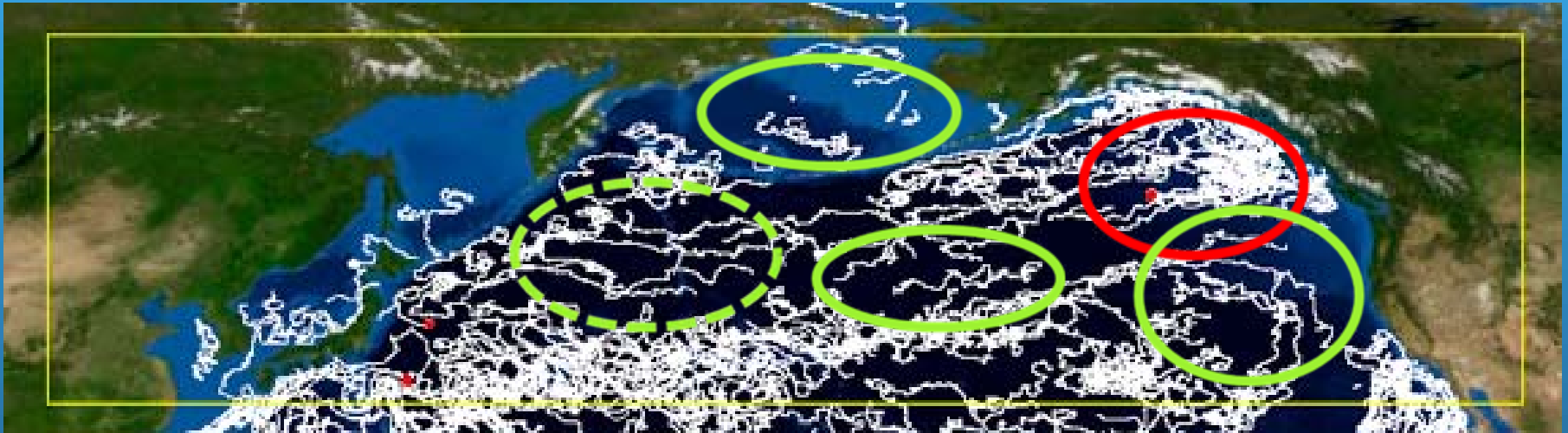
<http://isdm.gc.ca/isdm-gdsi/drib-bder/gts-smt/index-eng.asp?actn=NPAC>

North Pacific Deployment Values



Drifter Trajectories

2014 Regional Deployment Needs



<http://isdm.gc.ca/isdm-gdsi/drib-bder/gts-smt/index-eng.asp?actn=NPAC>

2014 Goals

1. Deployment of 70 SVPB Drifters
1. Deep-ocean Assessment and Reporting of Tsunamis (DART) Cruise Utilization
1. Secure Additional Deployment Platforms
 1. PX37
 2. PX38
2. Create a Smooth Transition for Vancouver PMO / Maintain Momentum
 1. Update NPDBAP Website with 2013 Activities
 2. Review Term Reference and Operating Principles (last updated in 2002)

Thank You