



Canada

National Marine Network Transformation

Environment and Climate Change Canada

Laura Medeiros

Regional Marine Instrumentation Center (Region IV) Workshop
29 Feb – 2 March 2016

MSC National Marine Networks

Moored Buoys (46):

- W, P, T, T_w , waves

AVOS (53):

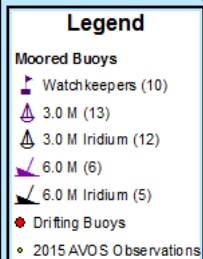
- W, P, T, T_w

Drifting Buoys (30-35):

- P, T, T_w

Data transmission via satellite

Legacy data management systems

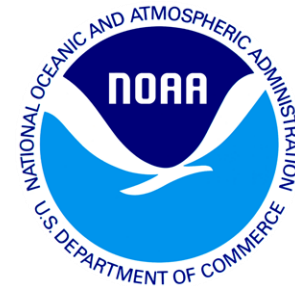


February 1, 2016
MSC Marine Networks

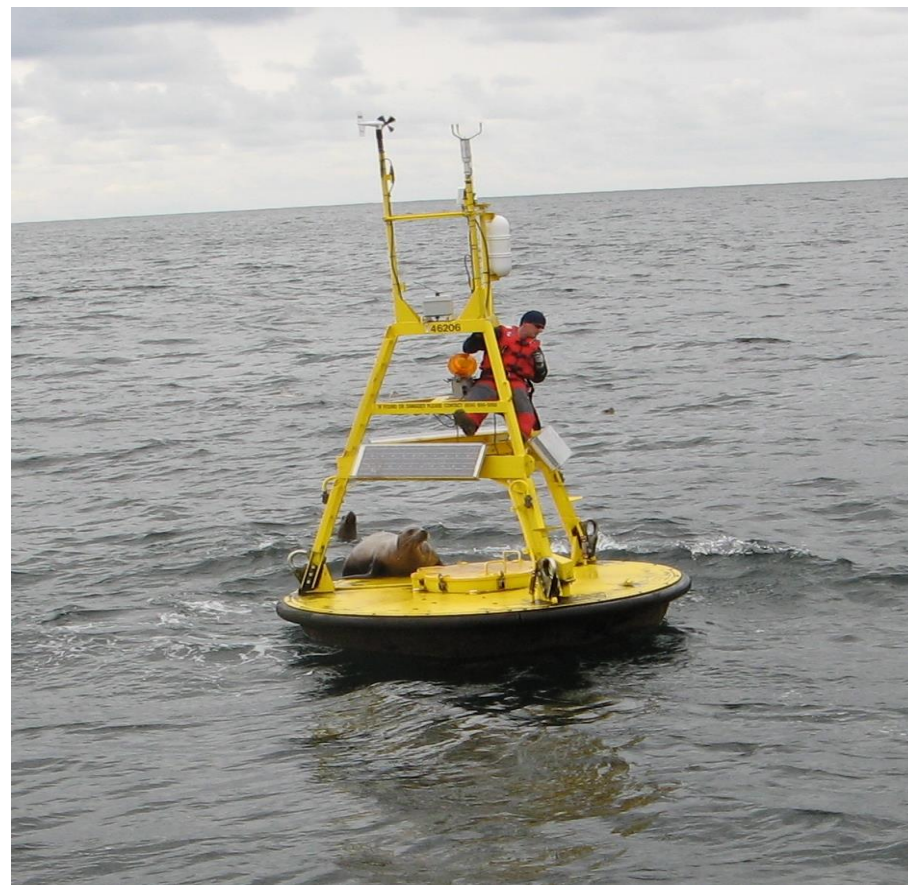
0 187.5 375 750 1,125 1,500
Kilometers



Operations: Driving Transformation



- Access ships to support maintenance of equipment
- Standardized maintenance practices from coast to coast
- In house expertise
- Vast area or responsibility: 2nd largest country in with the longest coastline in the world
- Great variation in weather & climate



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Marine Transformation

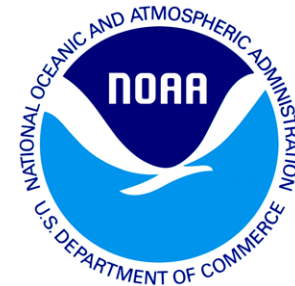
Multi-Pronged approach



- Standardized maintenance and operational practices (national consistency)
- Improved life cycle management practices and strategic procurement
- Development of new tools for network design and data management and dissemination
- Streamlined data management practices
- Benchmark against International Partners
- Investment in viable new marine technologies
- Investigate opportunities for collaboration



Going forward...



- International Marine Community perspectives on standardization of technology
- Hardening of sensors & Life Cycle Management
- Partnerships with Universities to accelerate new technologies
- New and viable technologies ready for deployment
- Network design tools
- Streamlined data management practices



Thank you

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