

Hello. This is Orson Smith, here with you to present the second in a series of Arctic Marine Domain Awareness seminars, sponsored by the Arctic Domain Awareness Center, chartered at the University of Alaska Anchorage by the Department of Homeland Security. The series provides an overview of information available in the public domain about historical and present conditions in the Arctic marine environment. Focus is on the US Arctic and adjacent waters, but some sources provide global data. This series is intended to prepare managers, engineers, planners, and others with awareness of useful resources for consideration of operations and developments offshore and along the coast of Alaska.

This second presentation reviews sources of historical data, current reports, and predictions of Arctic marine weather with a view toward impacts of climate change. Some basic principles of meteorology and climate science are reviewed to aid understanding of data variables and of graphical portrayals provided online. Links to tutorials and to additional background material are provided along the way, either directly on the slides or in the accompanying narration script. We'll take a look at current products of public web sites, for which links are provided on the slides. This narration script is available for download with printed links to all the resources discussed.

I gratefully acknowledge the insightful review comments and enhancements to this presentation provided by Dr. Peter Olssen, Alaska State Climatologist and Chief Scientist of the Alaska Experimental Forecast Facility at the University of Alaska Anchorage.