## Ship Detection in Arctic

ince 1906, when Norwegian Roald Amundsen first transited the Northwest Passage in his sloop, Gjøa, Atlantic mariners have dreamed about a northern route to the Pacific. With retreating sea ice and longer periods of thin ice and open waters in the Arctic Summer, this dream may soon be a reality. With increased shipping activity and other economic opportunities, including potential offshore oil and gas development and tourist cruises in the Chukchi Sea, the U.S. Coast Guard is increasing their presence and capabilities in all US Arctic waters. Part of this increased focus requires the ability to monitor vessels working and transiting through the area.

