



New scientific possibilities

"Vision 2030"





Oceanography Acoustic tomography

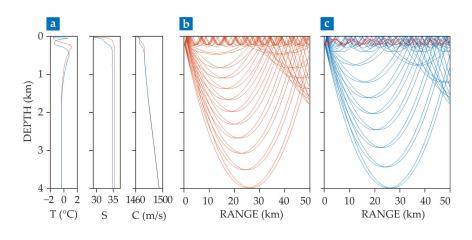


Polar-tech CTD



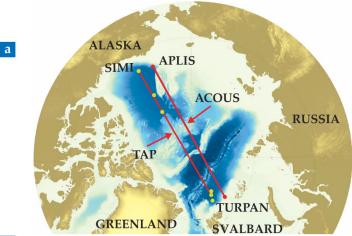
ARGO floats

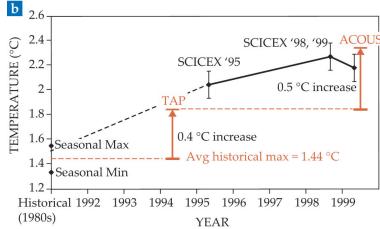




'Multipurpose acoustic systems, however, can operate beneath the ice. Such systems provide acoustic remote sensing of temperatures via ocean acoustic tomography, underwater navigation, and passive acoustic monitoring of natural and anthropogenic sounds.'

Physics Today **73** (12), 44–49 (2020); https://doi.org/10.1063/PT.3.4635

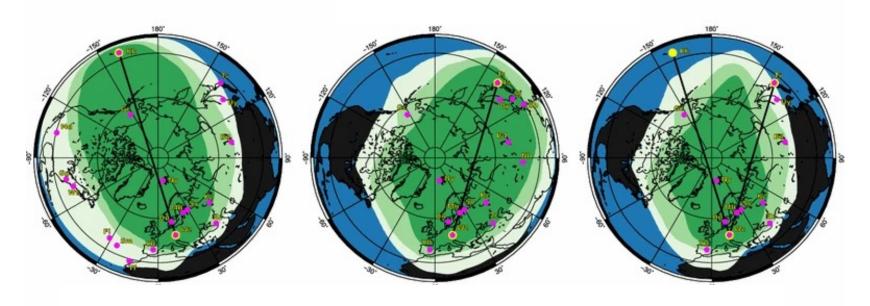




08/09 2023

Northern EU Gateway

Geodesy and radio astronomy Real-time VLBI





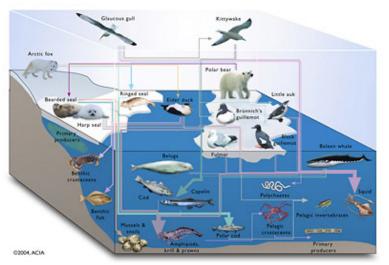
Onsala Space Observatory, Sweden

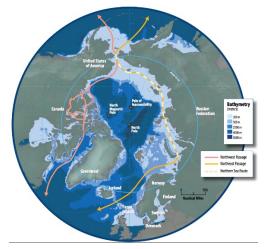
Identifying optimal tag-along station locations for improving VLBI Intensive sessions <u>Earth, Planets and Space</u> volume 69, Article number: 16 (2017) https://doi.org/10.1186/s40623-017-0601-y

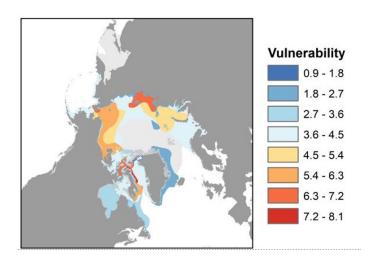


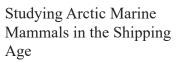


Marine biology and Arctic shipping Acoustic sensing



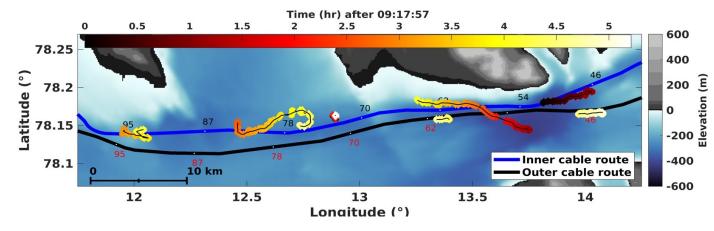






Alaska Public
Lands, Bering Land Bridge
National Preserve, Cape
Krusenstern National
Monument, Gates Of The
Arctic National Park &
Preserve

https://www.pnas.org/conte nt/115/29/7617













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