

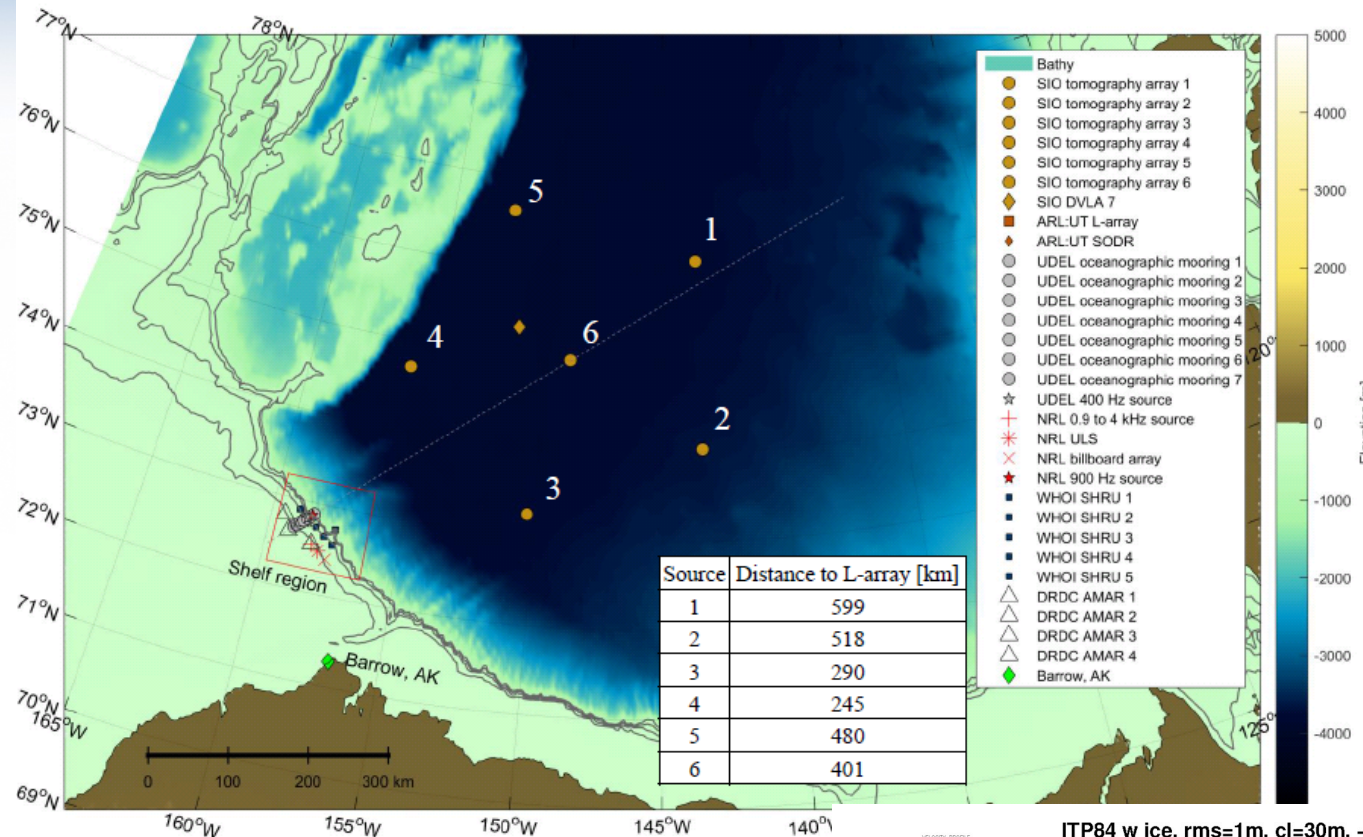


CANAPE: Canada Basin Acoustic Propagation Experiment, 2015 & 2016/17

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Relevance

1. The mid and low frequency long range ducted acoustic propagation observed in two previous ONR efforts in the Beaufort Sea has important implications for the design of ASW surveillance and tactical system development and operation.
2. At present a substantial amount of uncertainty exists regarding the extent and variability of the ducting conditions, both spatially and temporally.
3. The yearlong CANAPE study and other follow-on ONR efforts will provide the data needed to quantify the expected performance for existing systems and shape the designs of the future.



Arctic climatic changes have implications for the soundscape by changing the dominant ambient noise mechanisms, the distance sound travels in the water, how it is scattered by the ice, etc.

