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Characterization by seismic measurement of ice sheet subject to swell

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March 2023 :
Field campaign in Rimouski, Canada



Study of ice wave interaction
Seismic instruments : Geophones

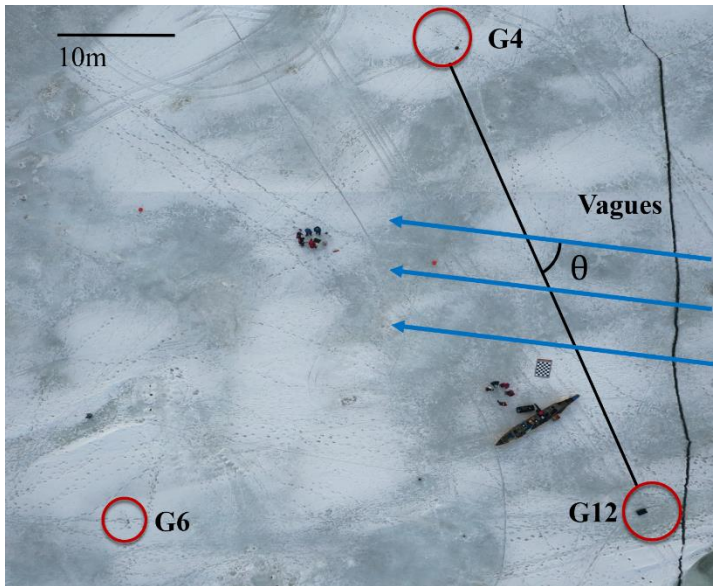


Unidirectional noise technics :
Several instruments needed

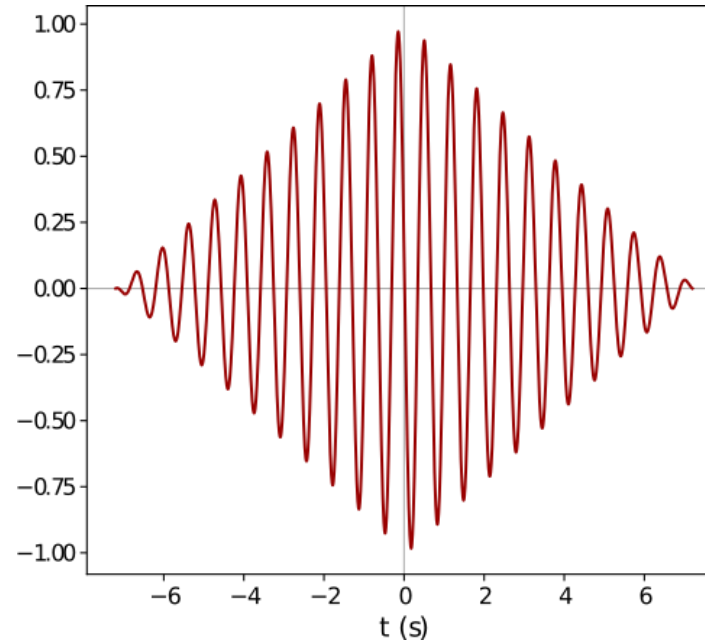


New technic of signal treatment

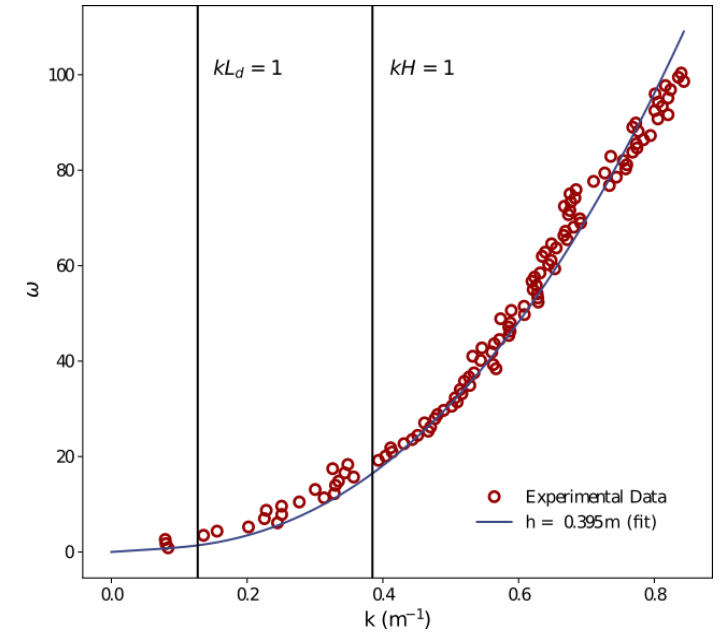
Setup, Rimouski bay, 13/03/2023



Fragmentation, demodulation, correlation...



Relation dispersion according to hydro-elastic theory



If you want to know more about how we did, what are the results, come see my poster (on your left then right)