EOSC 579: Assignment #1:
Due Friday, February 28, 2025

1. A density profile from the Strait of Georgia is available at `https://github.com/UBC-MOAD/AIMS-Workshop/blob/main/dynmodes/SoG_S3.dens`. A dynamic modes notebook, python scripts and matlab code are available at `https://github.com/UBC-MOAD/AIMS-Workshop/blob/main/dynmodes/`. Using this code, John Klinck's original version (`https://github.com/sea-mat/dynmodes/blob/master/dynmodes.m`) or otherwise find the first three modes (in p/u/v, ρ and w) and their associated lengthscales.