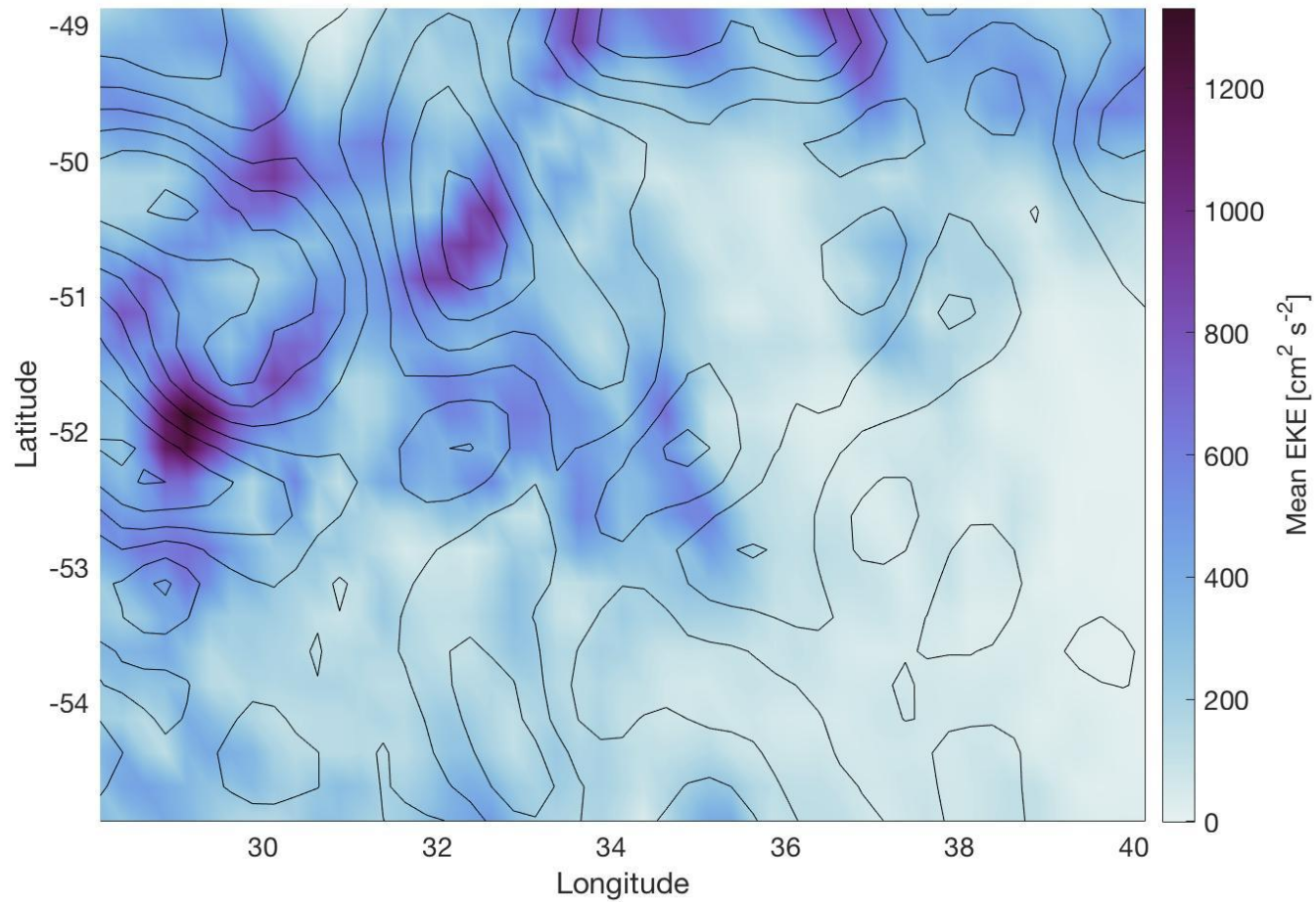
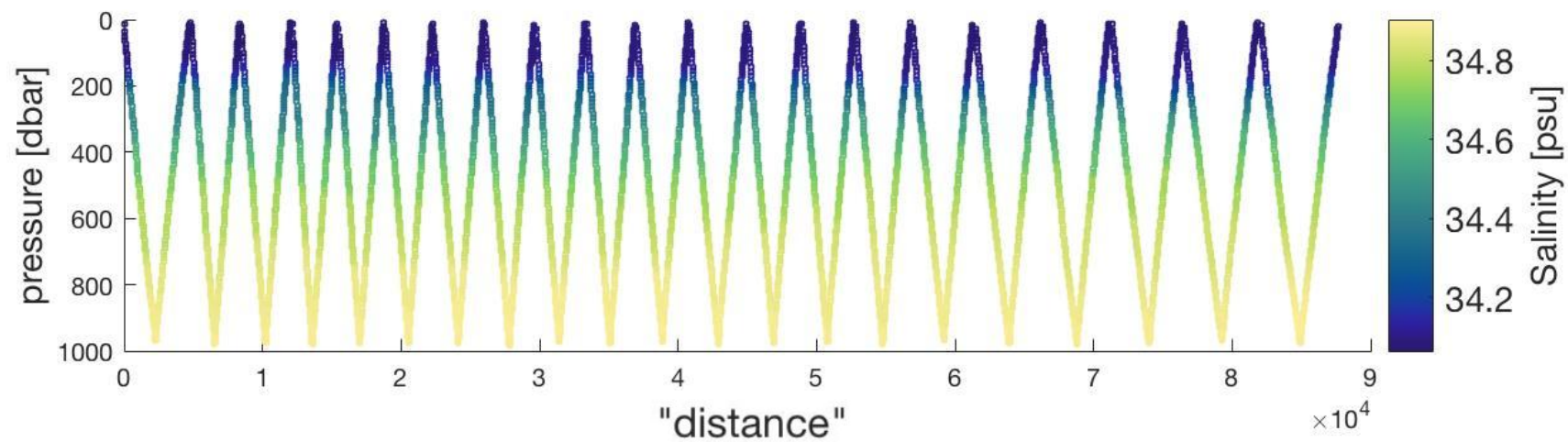
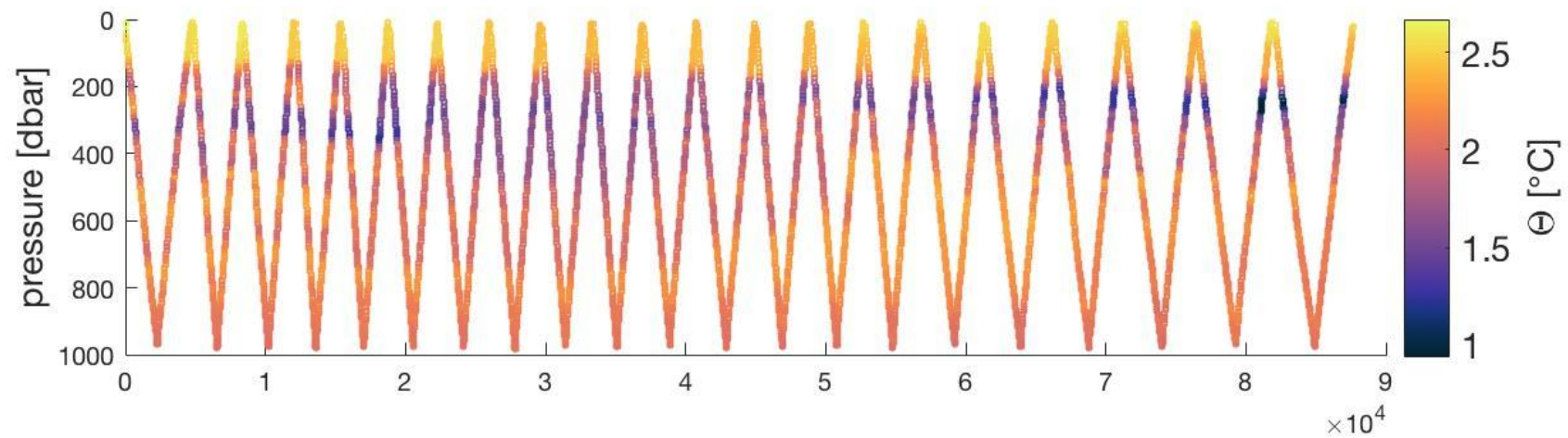
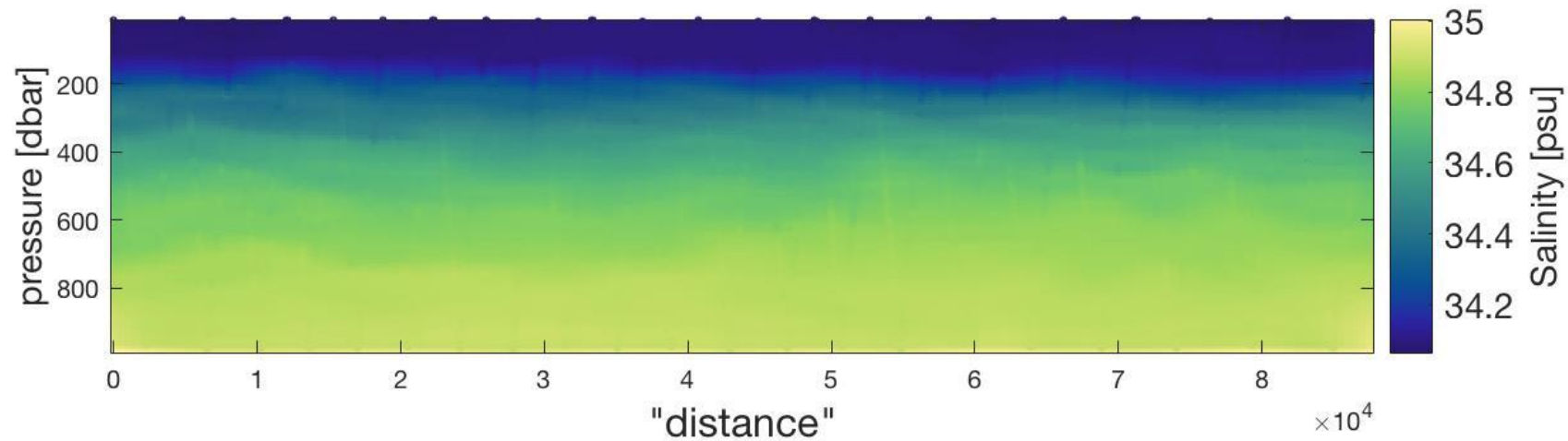
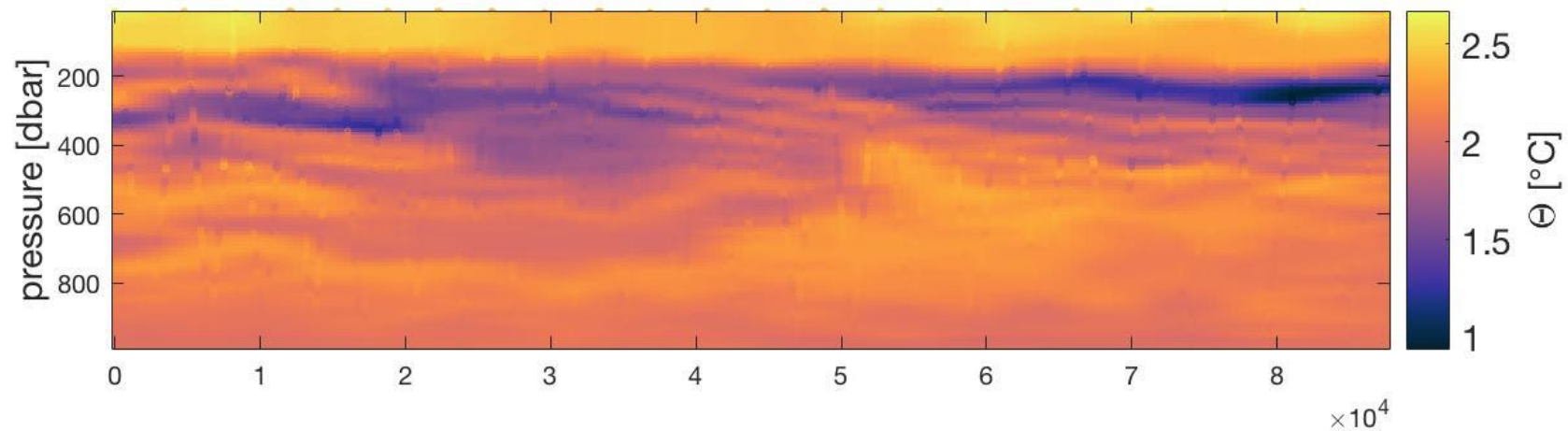
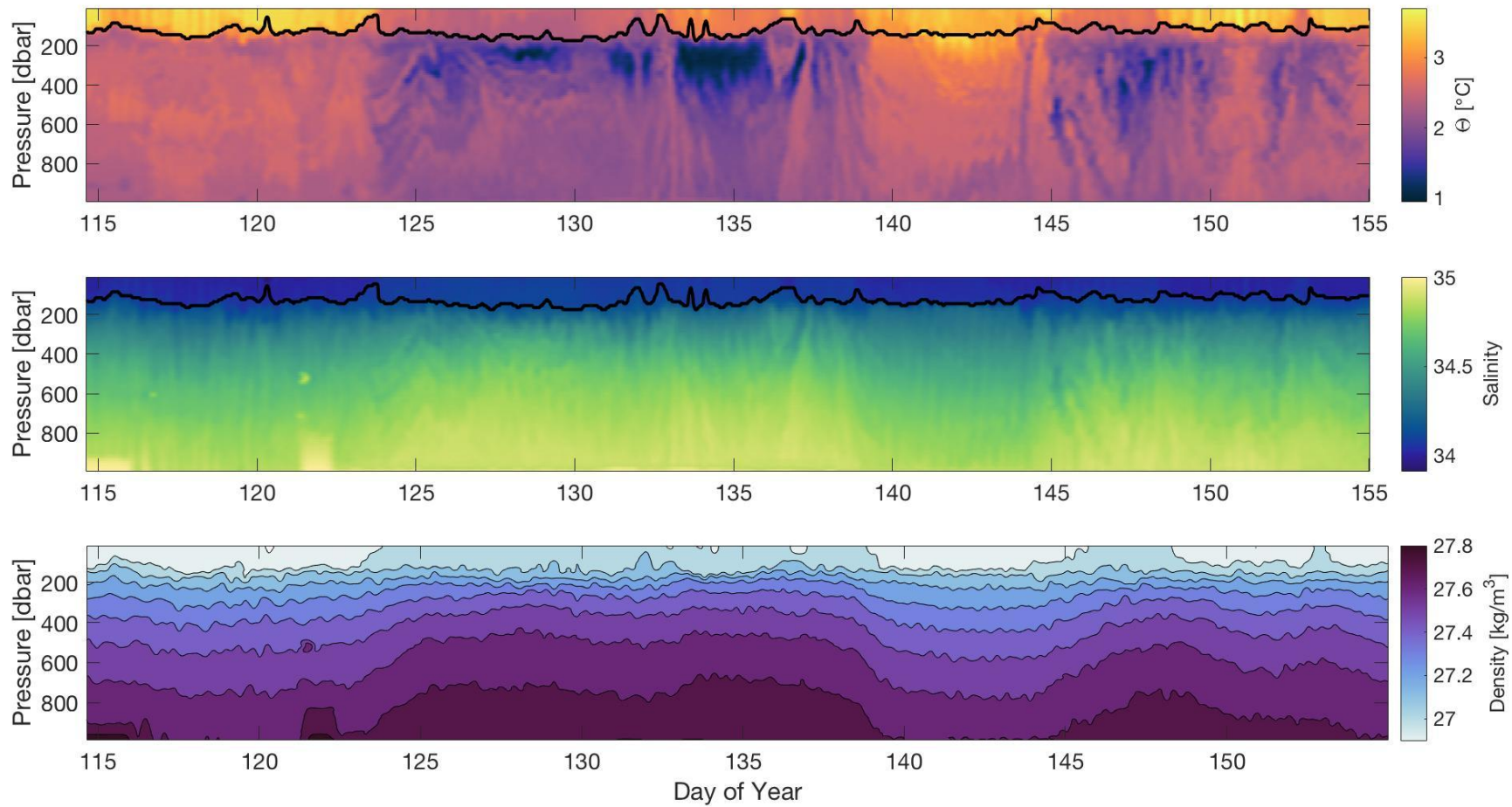


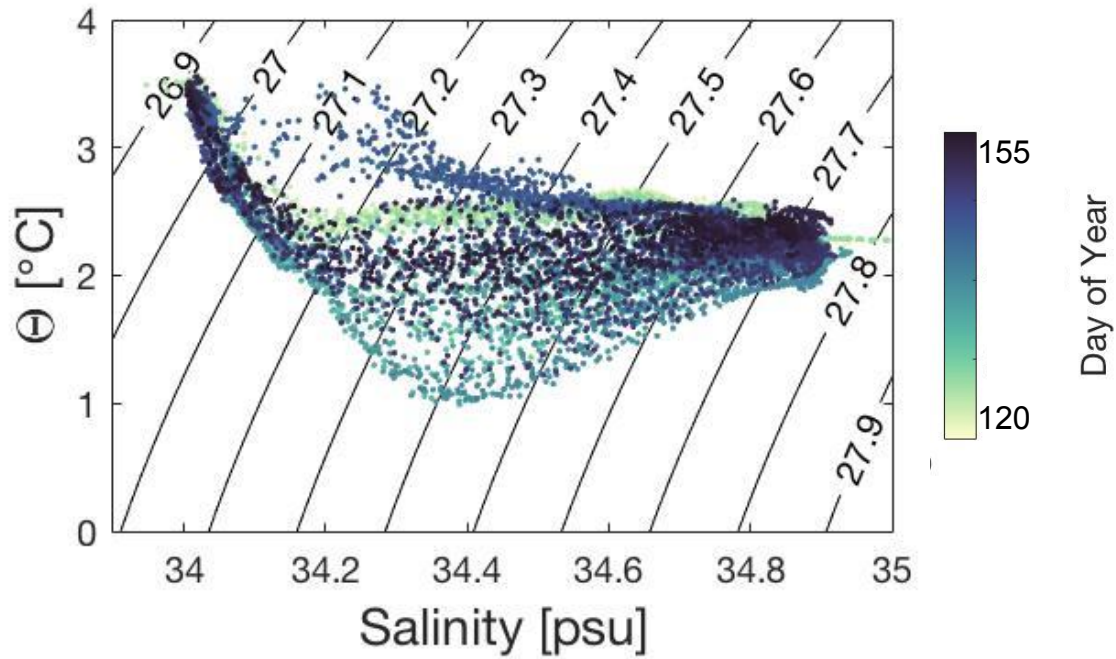
Siegelman et al. (2019)









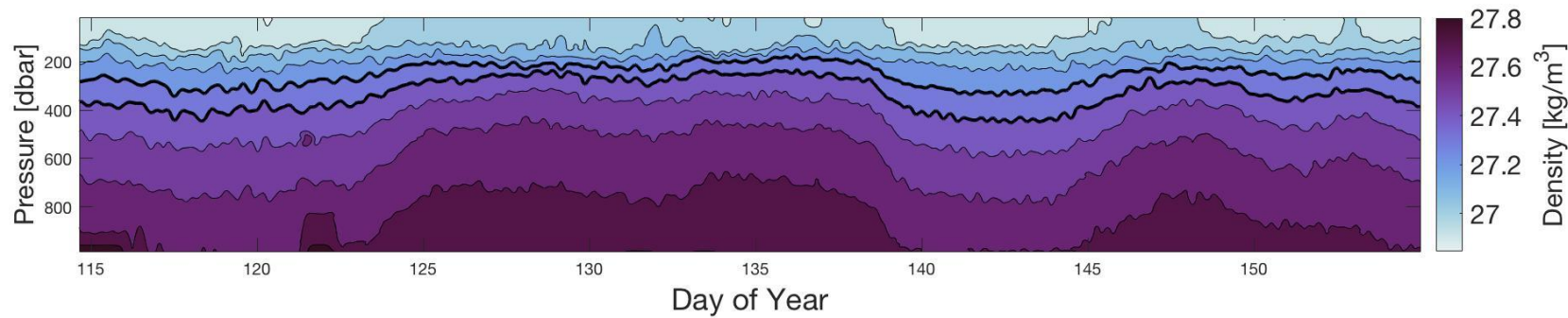
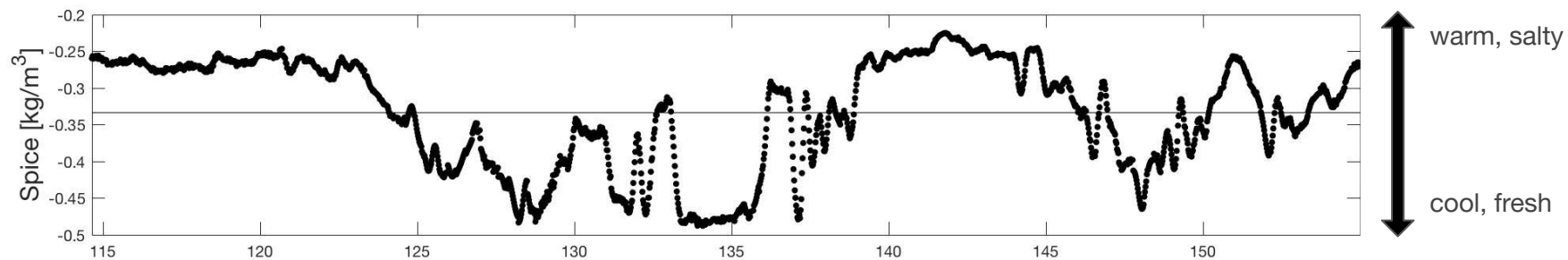
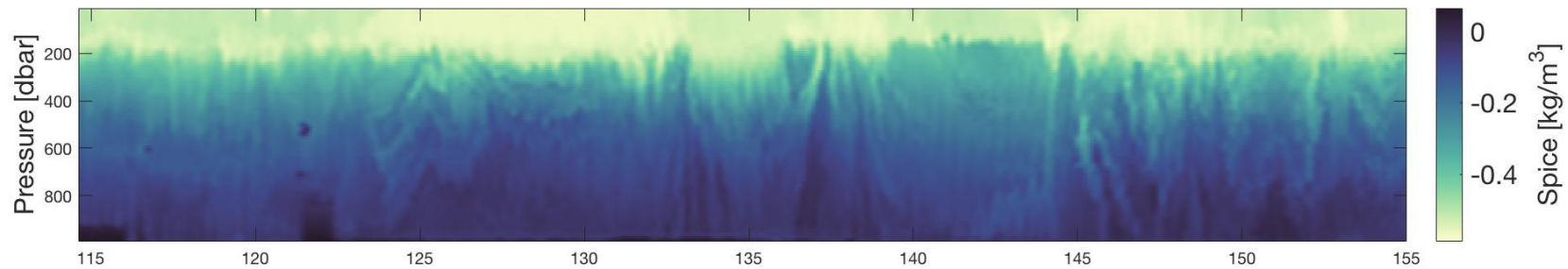


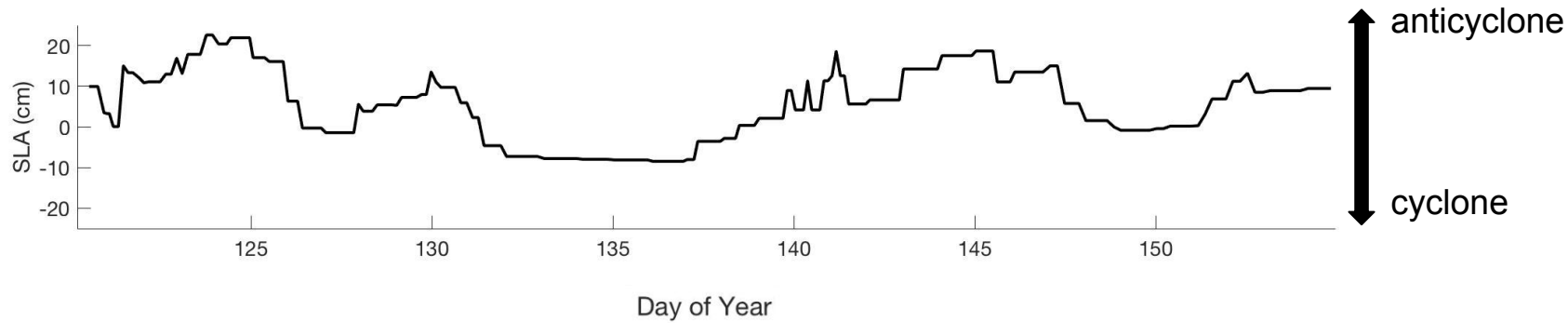
UCDW: salty, low O_2

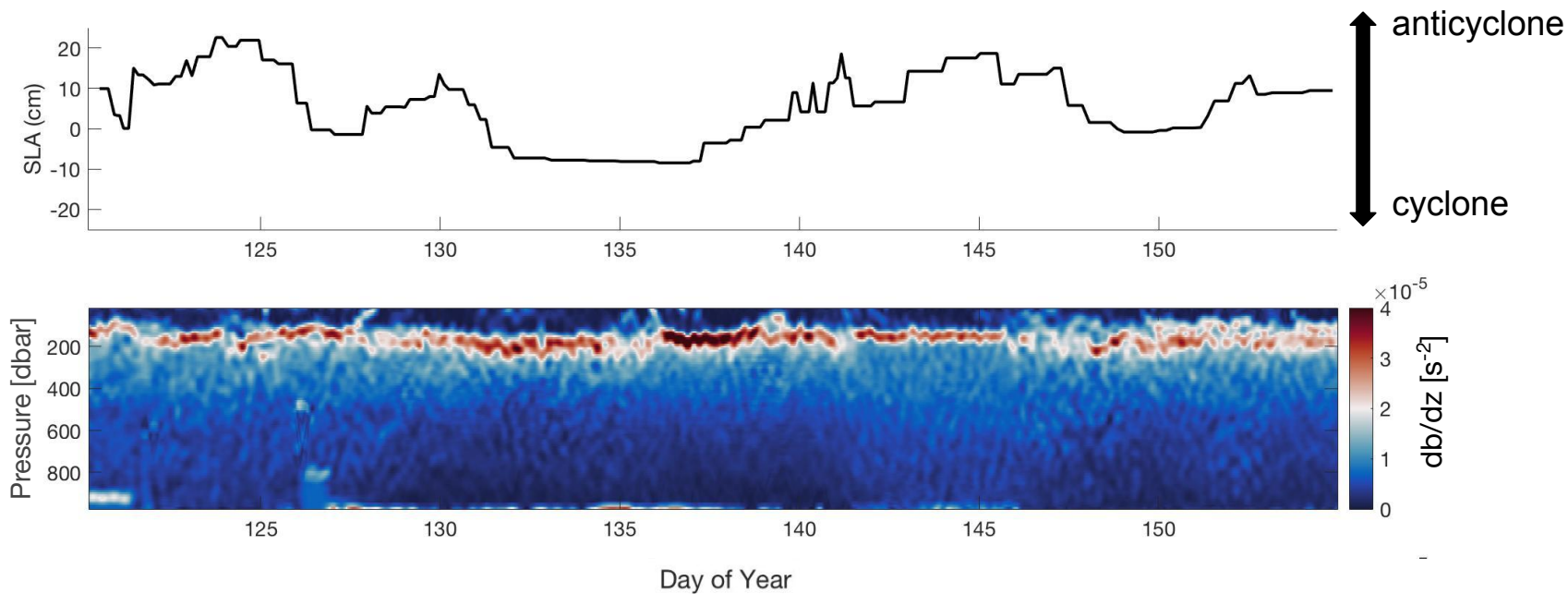
Positive spice: warm and salty

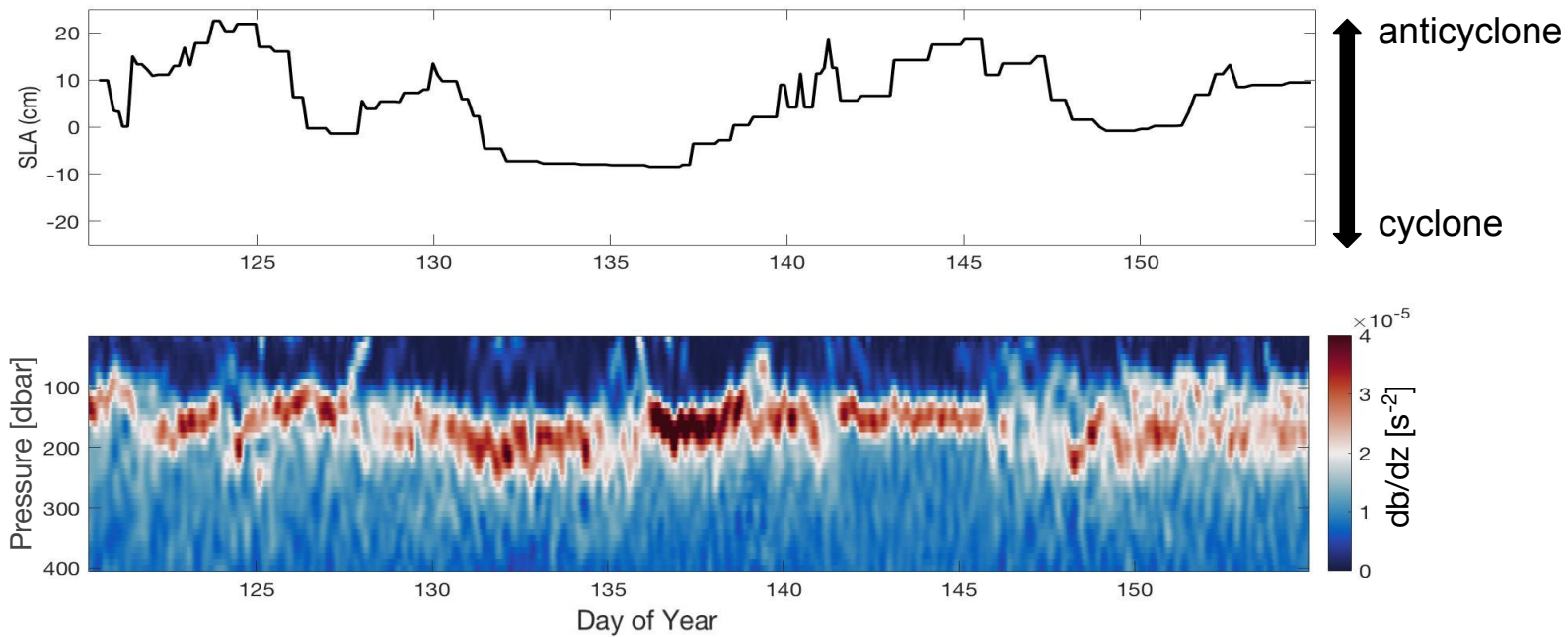
AAIW: fresh, cold, high O_2

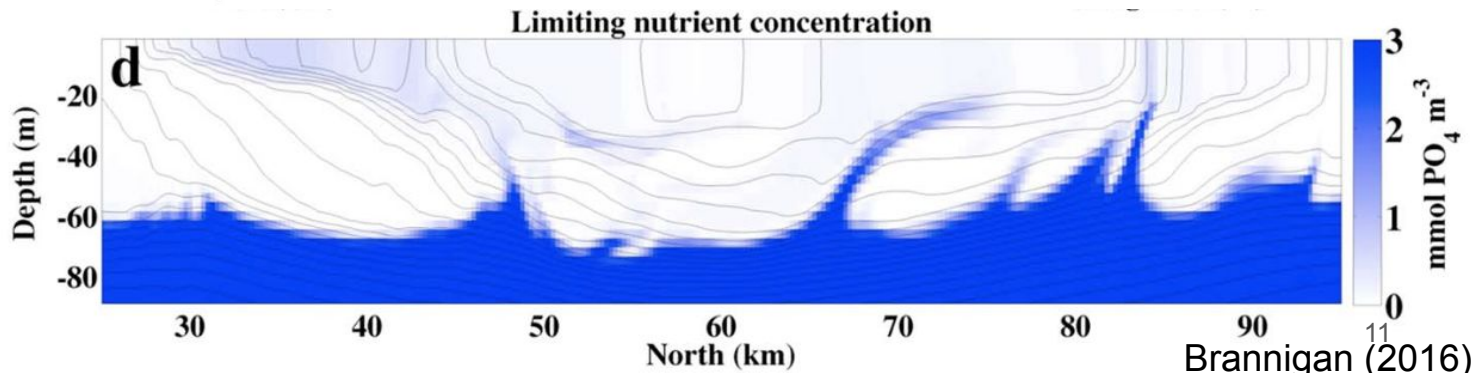
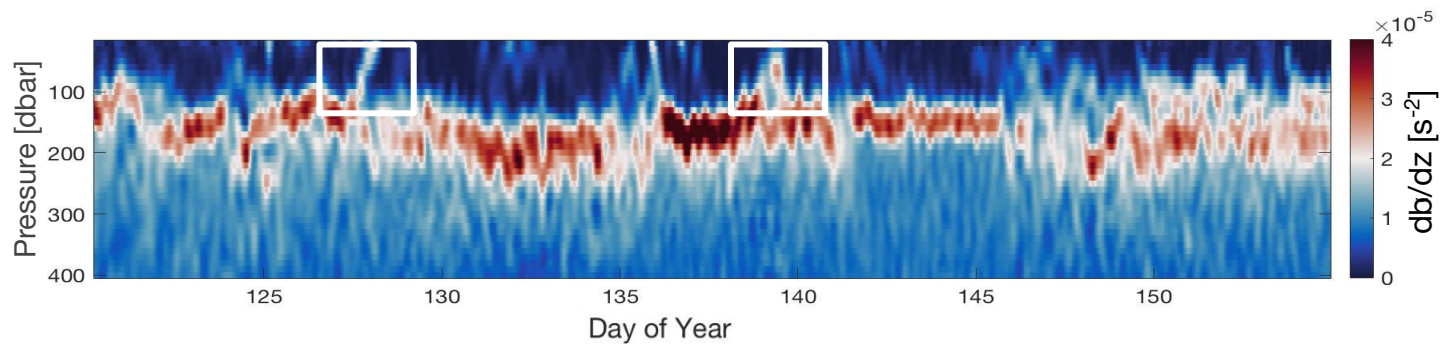
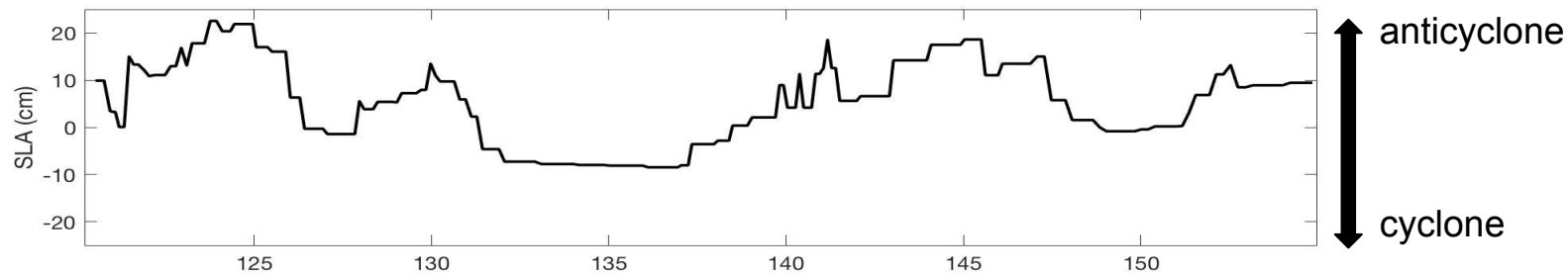
Negative spice: cold and fresh

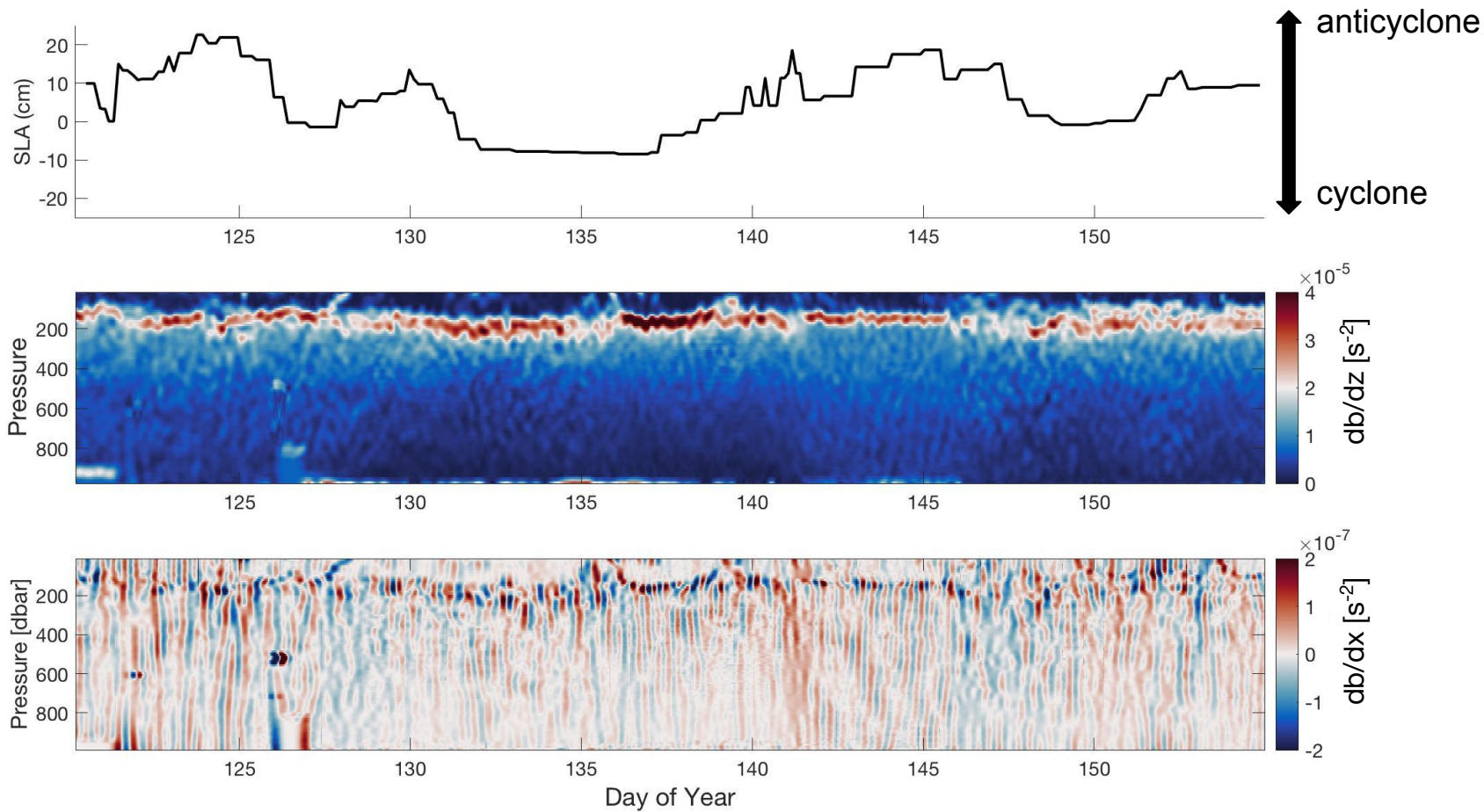


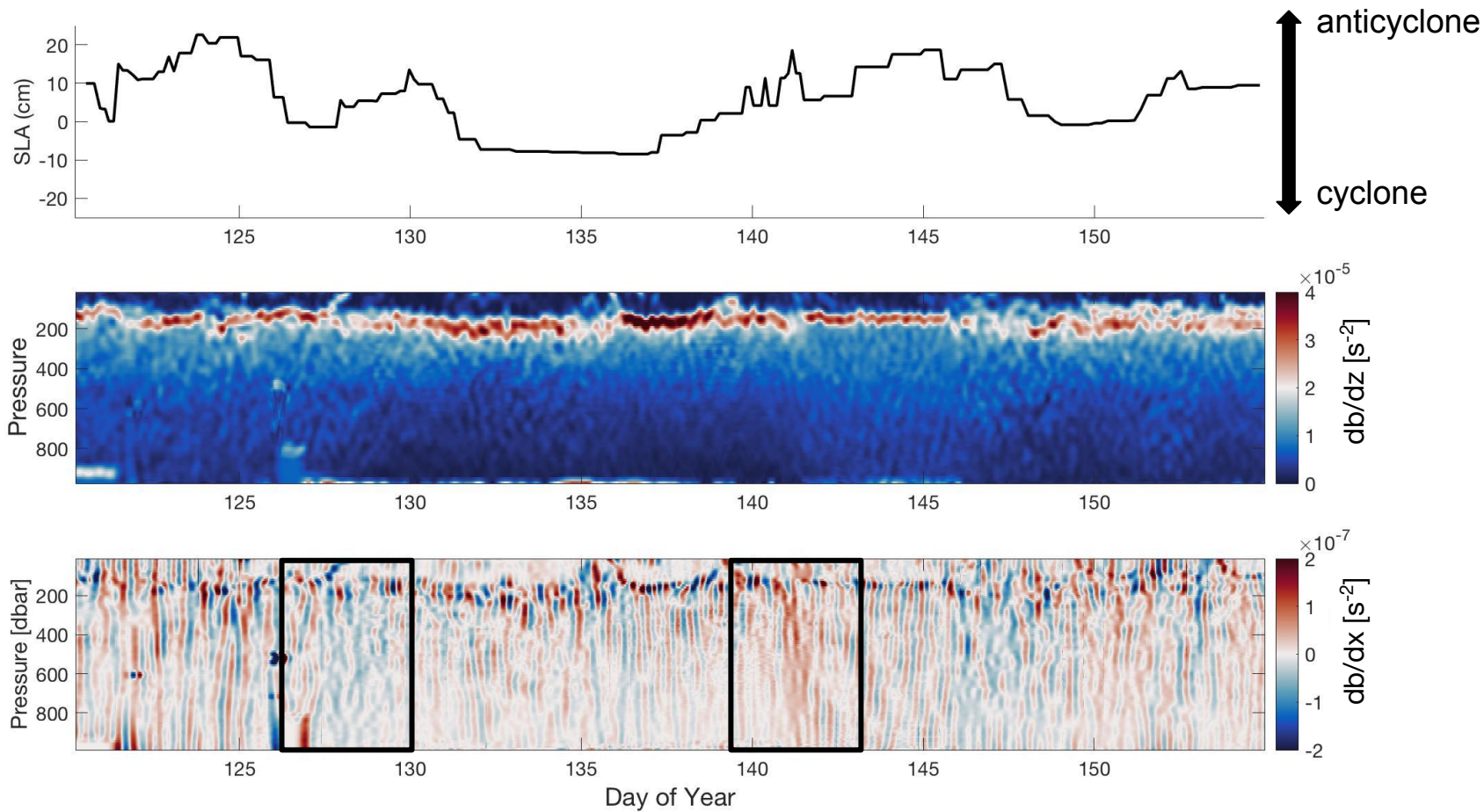




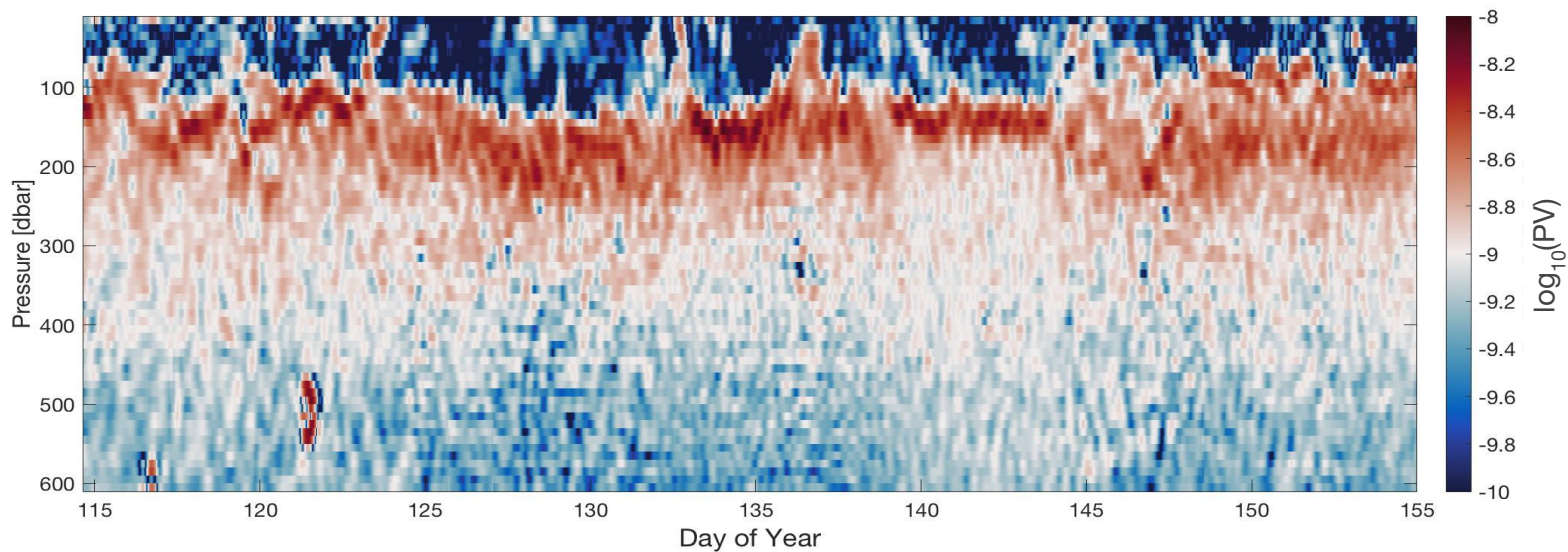


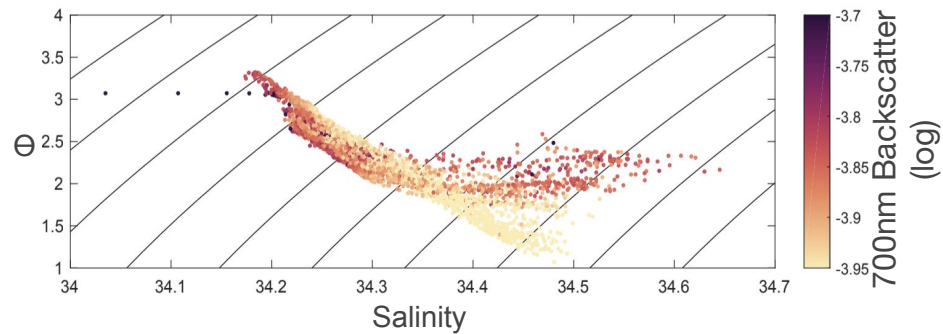
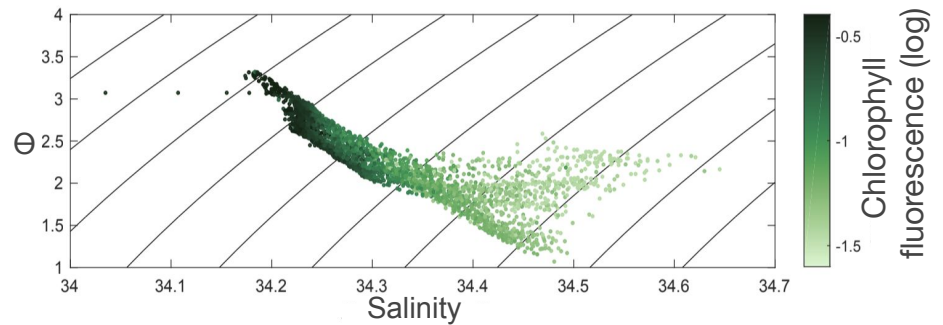
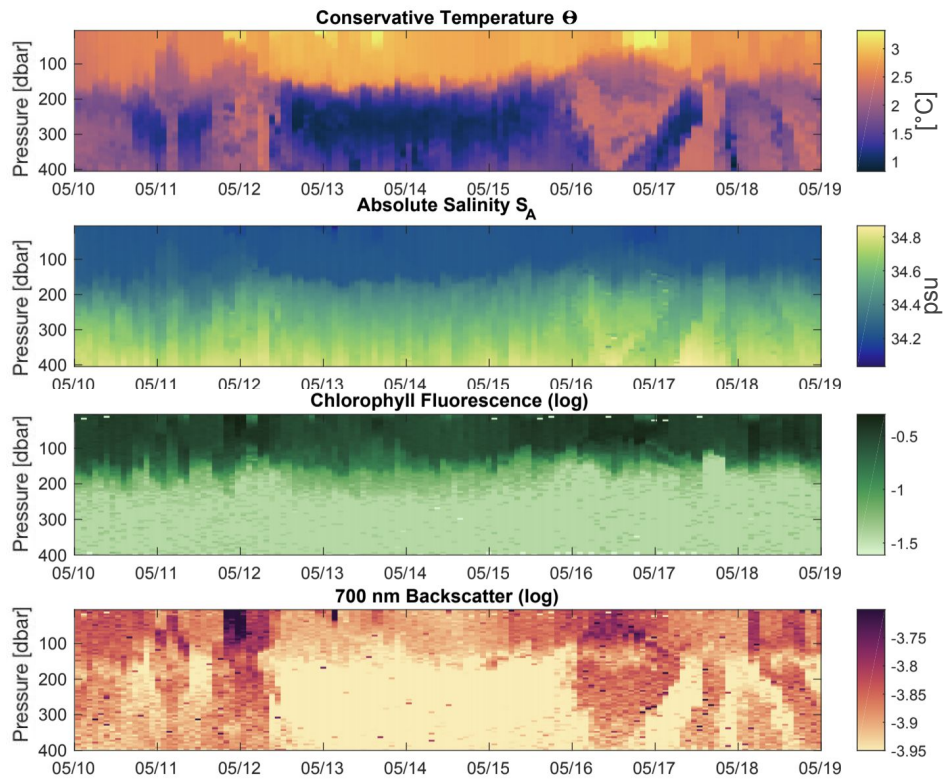


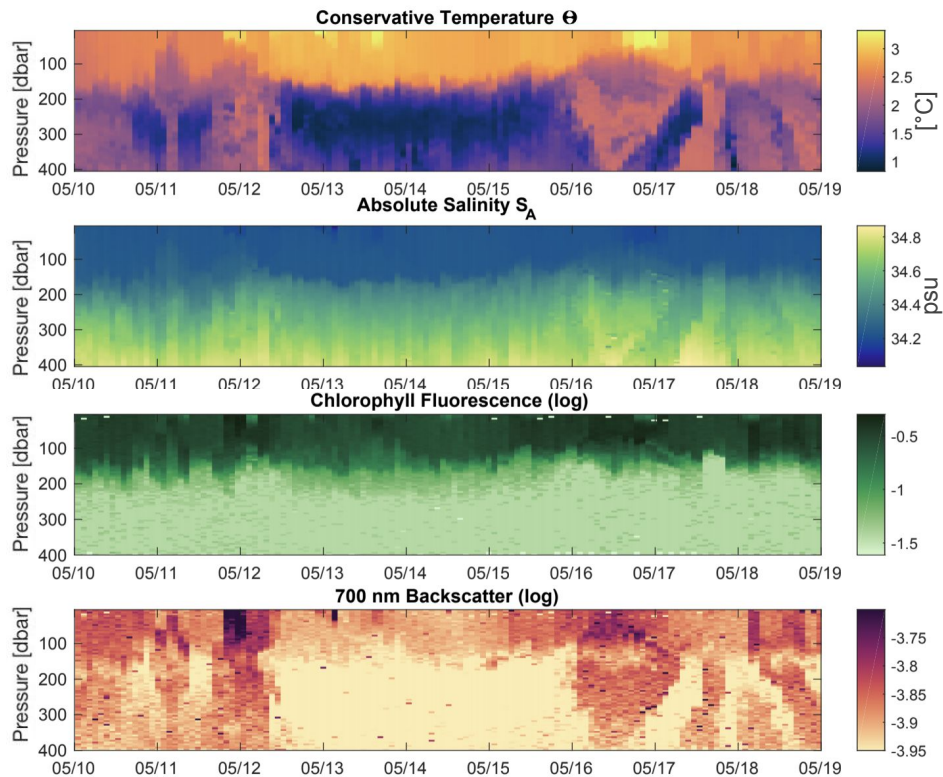




Potential Vorticity (high strain/EKE region)



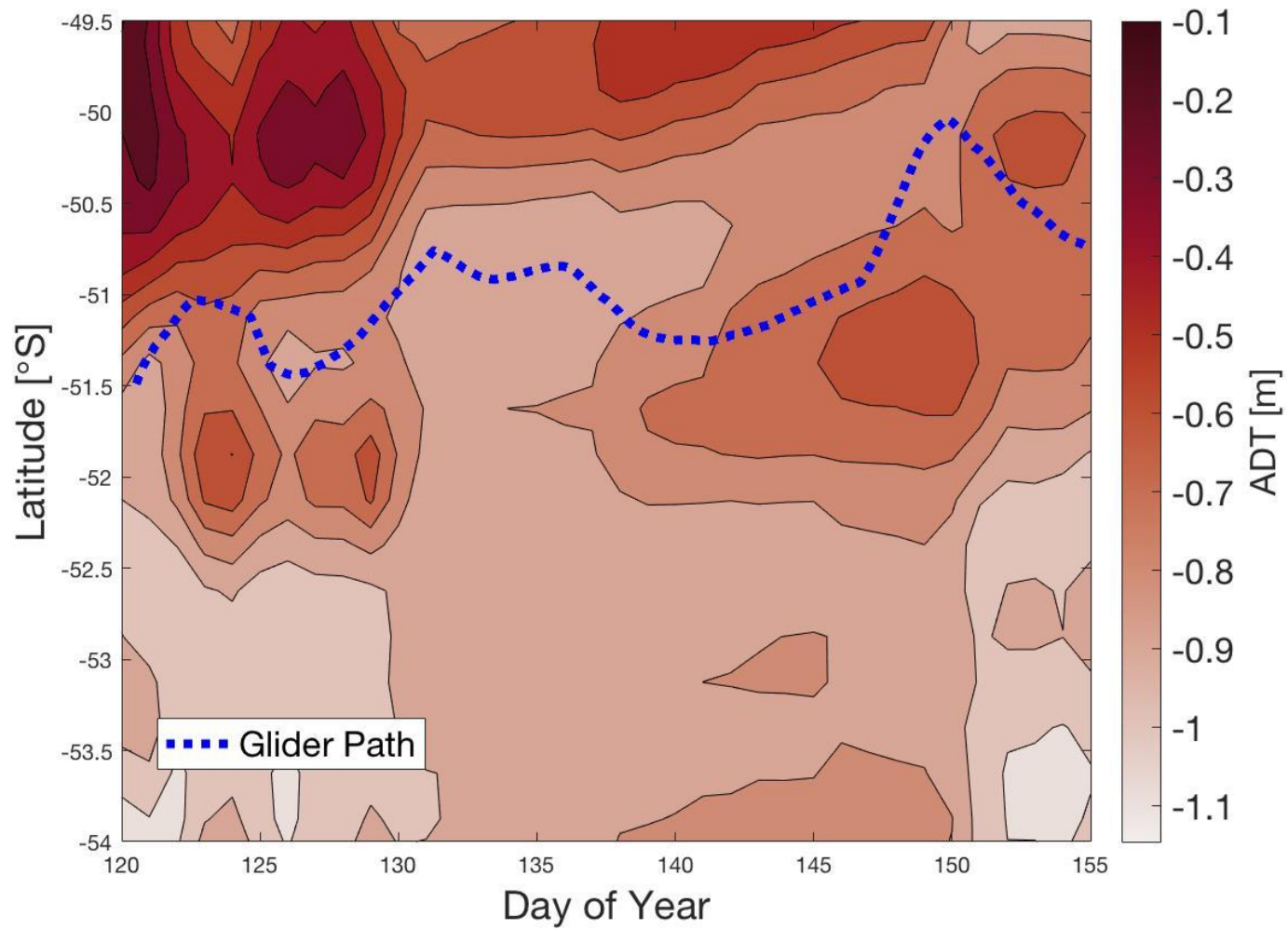


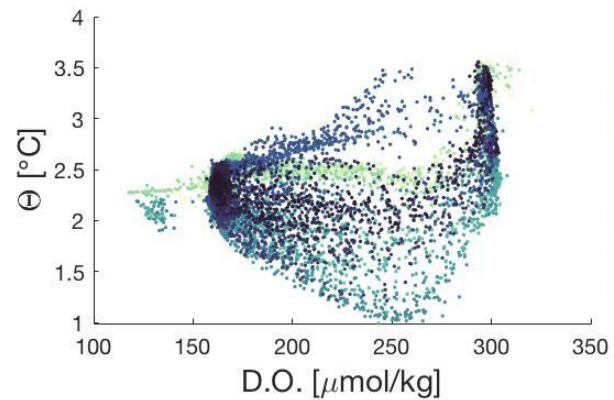
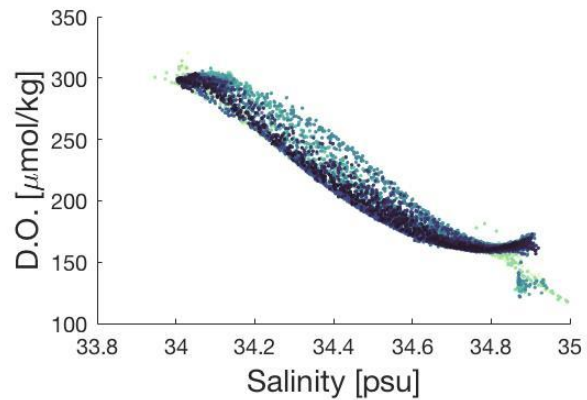
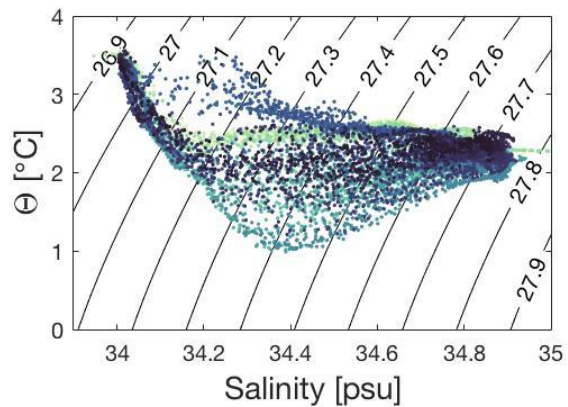


Next Steps

- Quality control and share final dataset (including BGC data) for SG660
- Recover data from SG659
- Develop figures for an overall characterization of submesoscale variability in the region

Extra slides

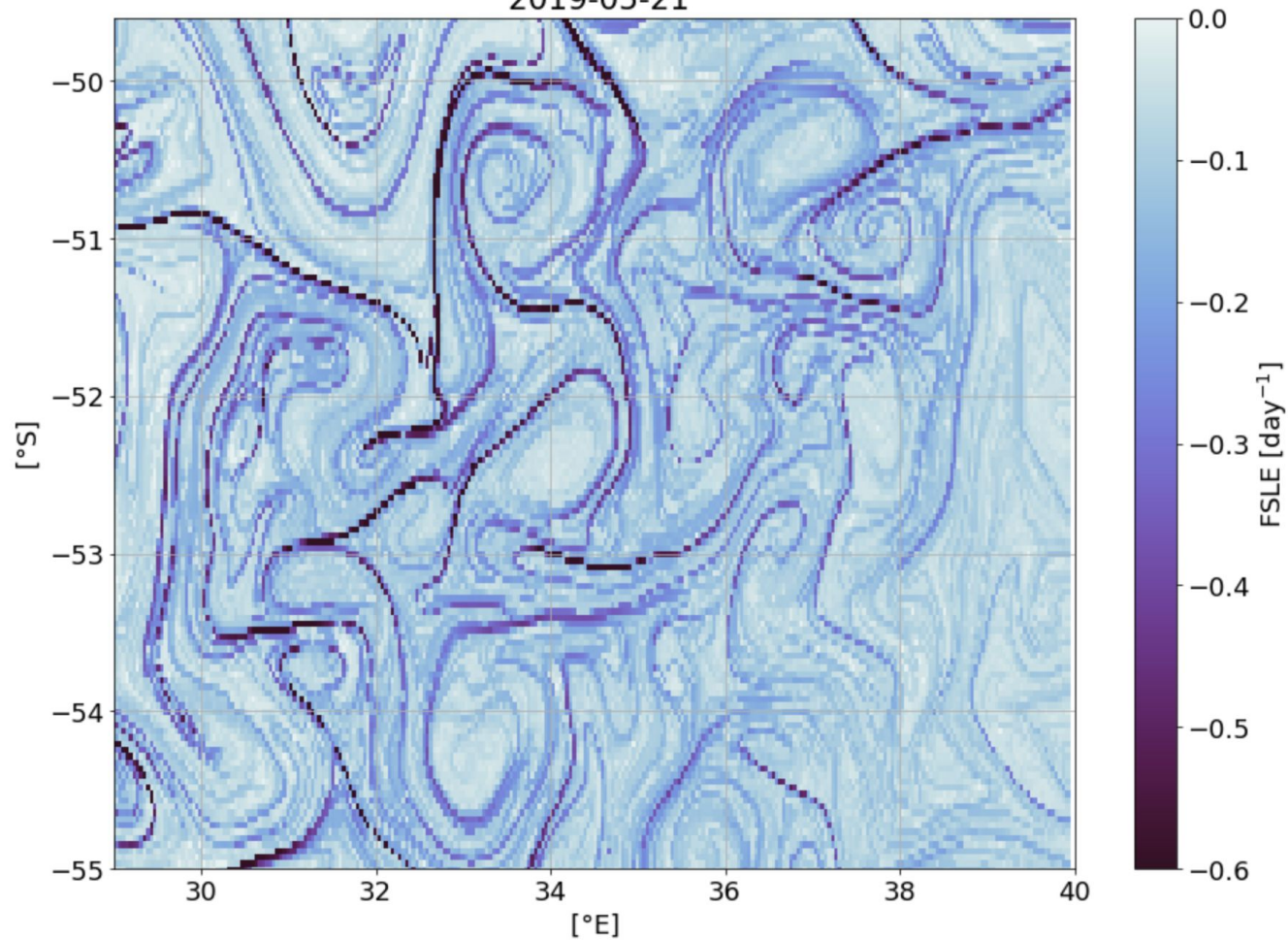




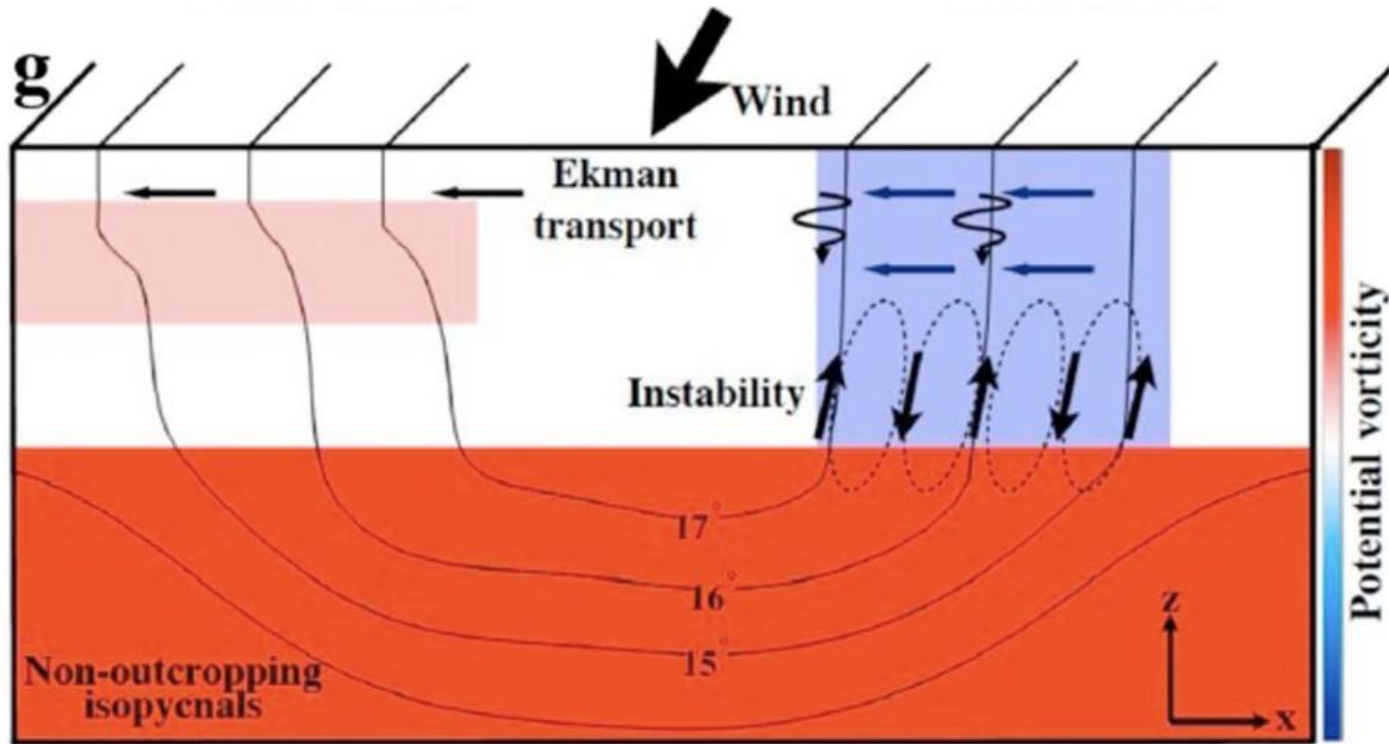
Day of Year

Finite Size Lyapunov Exponent

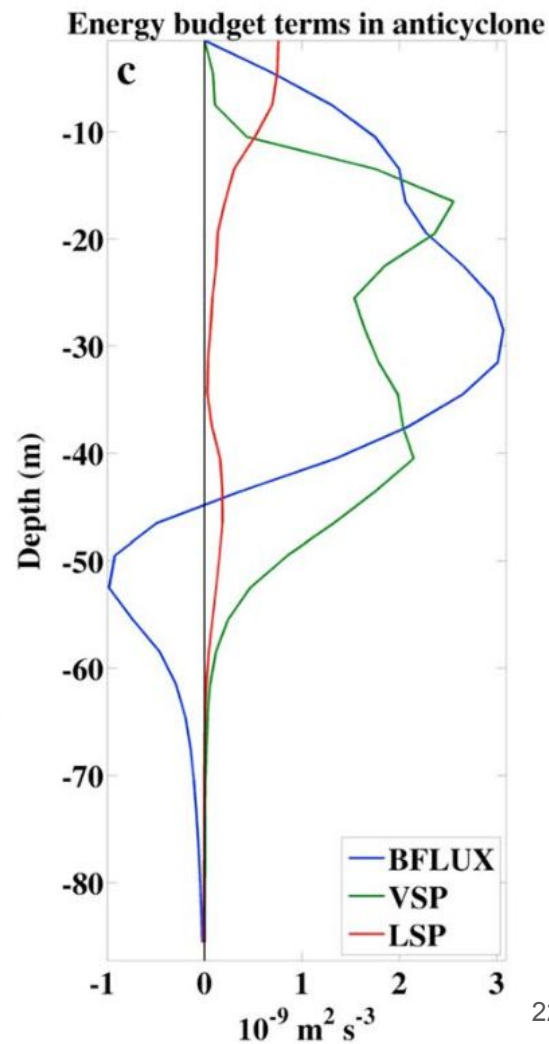
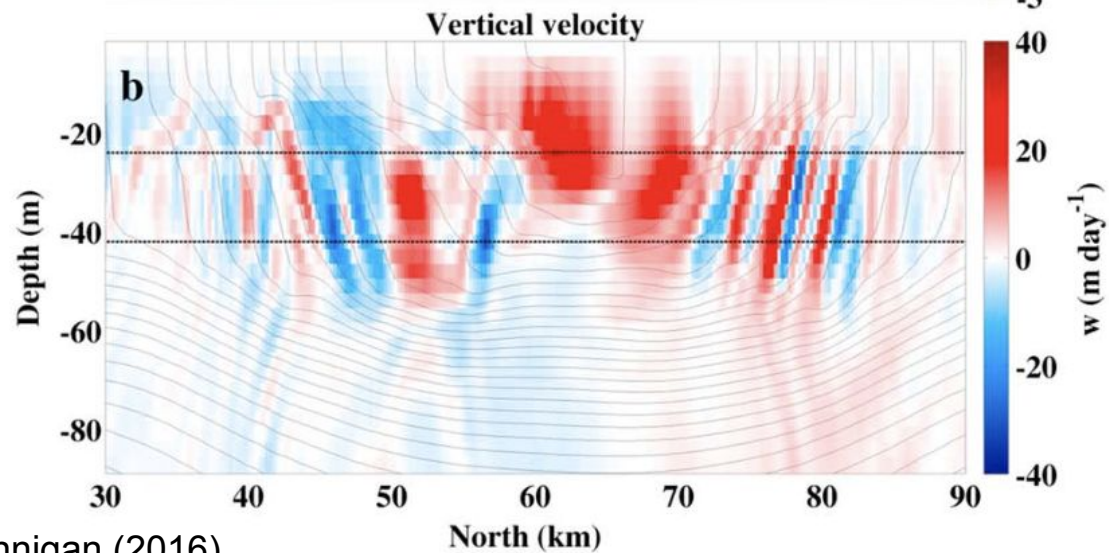
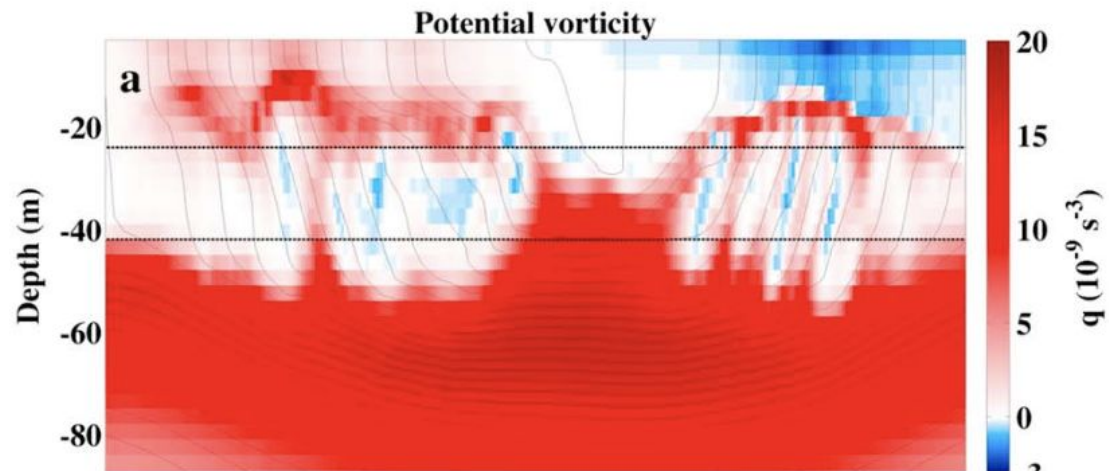
2019-05-21



$$\lambda(d_0, d_f) = \frac{1}{\tau} \log\left(\frac{d_f}{d_0}\right),$$



Brannigan (2016)



Potential Vorticity (downstream)

