Largest Network of Surface $p$CO$_2$ data in the world.

FY 2021 HIGHLIGHTS

- ~8.8 M data points since 2005. Represents ¼ of world wide data.
- 2020 and 2021 had a 40% data loss compared to previous years
- Contributes to the GCB-2021 estimate of the still increasing Ocean sink of 2.8 +/- 0.4 GtC/year.
Atmospheric measurements from ships used in atmospheric studies

**HIGHLIGHTS**

- Measurements from ships quality comparable to Surface Monitoring Stations and Aircraft Campaigns.
- Ship measurements from the ARSV *Laurence M. Gould*, funded by GOMO.
- Ship-based measurements extend back to 2005 and are utilized due to extensive temporal coverage.
- This analysis estimates a net uptake of CO$_2$ south of 45°S. Consistent with ship-based estimates but stronger than recent estimates based on profiling-float observations.