

**Observation of oxygen ventilation into deep waters through
targeted deployment of multiple Argo-O2 floats in the north
western Mediterranean Sea in 2013**

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Additional Supporting Information (Files uploaded separately)

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Figure S1. Wind speed and direction time series at 10 m from November 2012 to April 2013. 6-hourly wind data are extracted from ECMWF (European Centre for Medium-Range Weather Forecasts) re-analysis at the LION buoy location (42.1°N-4.7°E). Wind direction is reported in cardinal directions (measured in degrees clockwise from due north).

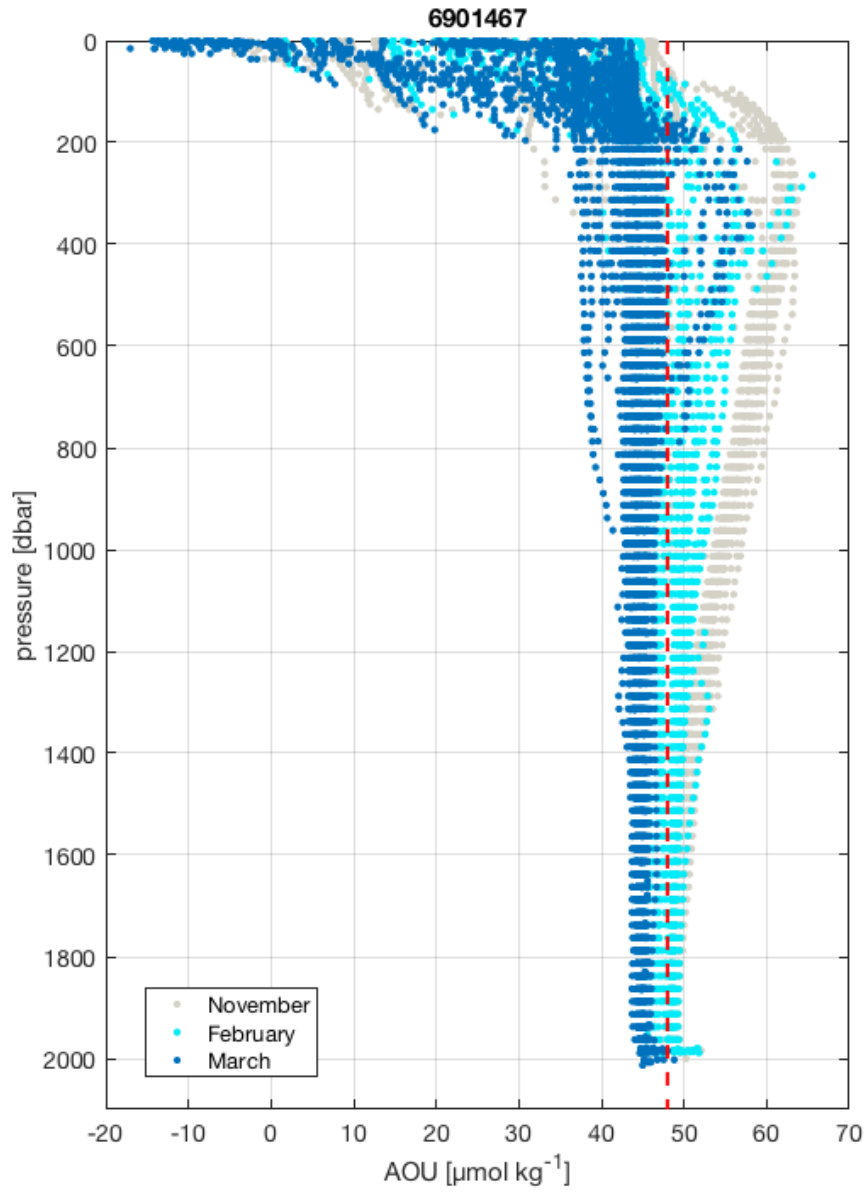


Figure S2. Apparent Oxygen Utilization (AOU) vertical profiles (in $\mu\text{mol kg}^{-1}$) for Argo float 6901467 at different periods: November (grey), February (dark blue) and March (light blue). The red dashed line represents the AOU threshold ($48 \mu\text{mol kg}^{-1}$).