Supporting Information for

Variations in and environmental controls of primary productivity in the Amundsen Sea

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Introduction

This document provides three supplementary Figures. They are referred in the main text as Figure S1-S3, respectively.
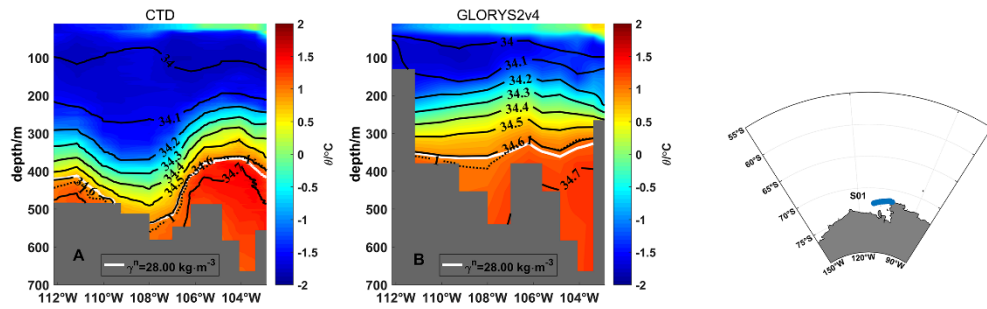
Figure S1. Temperature and salinity distribution of the S01 section in 2010.
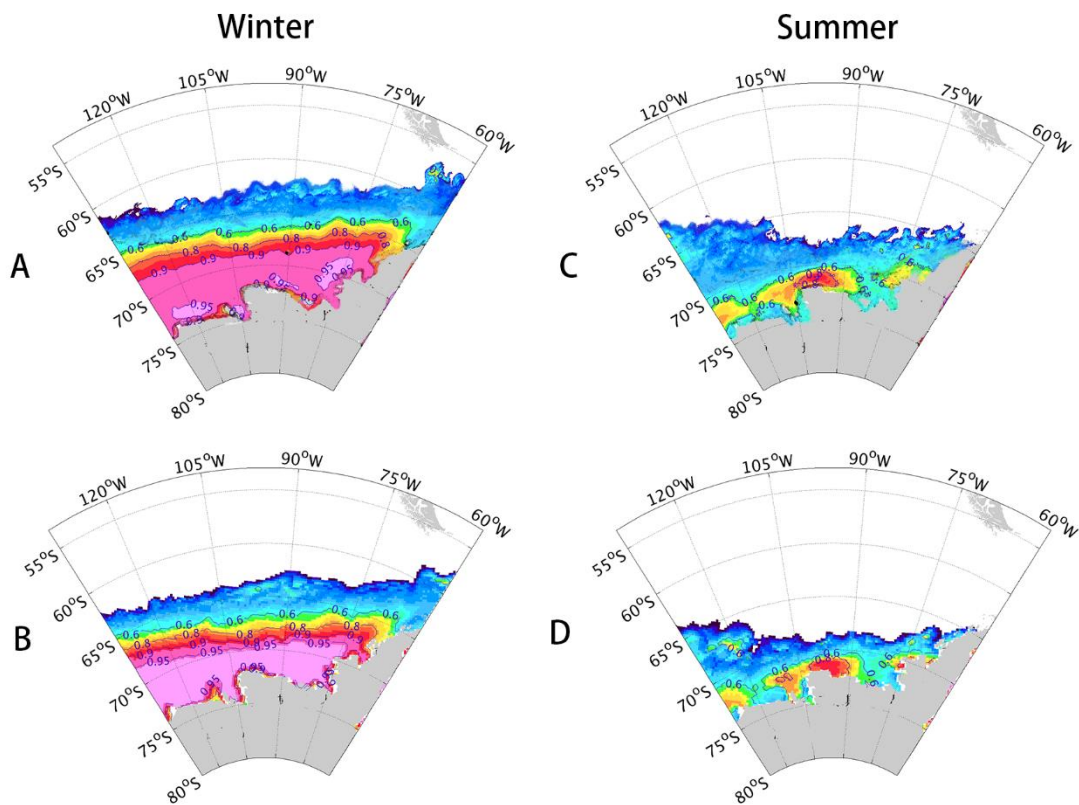
Figure S2. Average sea ice concentration in winter (A and B) and summer (C and D) of the Amundsen Sea, GLORYS2v4 (A and C), CDR (B and D).
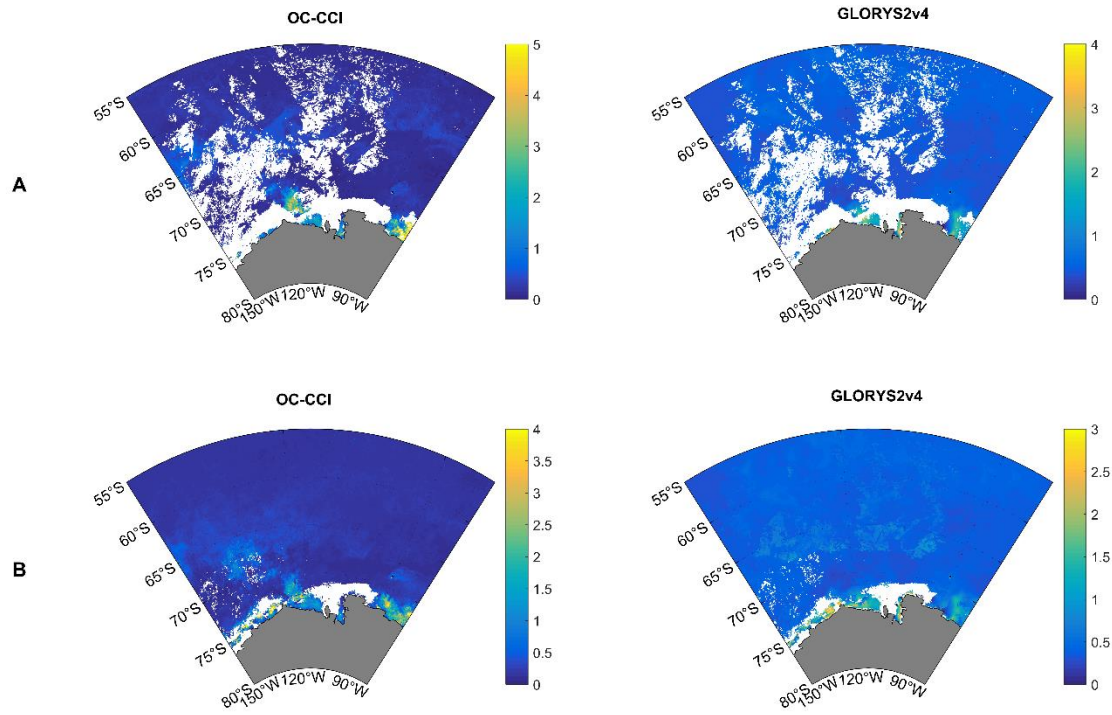
Figure S3. Surface chlorophyll concentrations at 201501 (A) and mean value of surface chlorophyll concentrations in 2015 (B) in the Amundsen Sea, OC-CCI (left), GLORYS2v4 (right).