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Associated dataset: Climate change impacts on southern Ross Sea phytoplankton composition, productivity and export

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DATASET ABSTRACT SUMMARY

Title:

Climate change impacts on southern Ross Sea phytoplankton composition, productivity and export

Authors:

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Location (place name):

Ross Sea, Antarctica

Location (bounding box coordinates):

78° S, 164° E;
75° N, 164° E;
75° S, 176° E;
78° S, 176° E

Date:

2017 January 20

Description of Data:

Contained within are model input/output files and data used in figures of the associated publication.

The contained files are in simple text and comma-separated formats. Model input/output files are in layouts associated with the Marine Model Optimization Testbed (MarMOT), an advanced open-source 1D model analysis framework. For information about MarMOT, its source code and input/output, see <http://projects.noc.ac.uk/marmot/>. For code relating to the Ross Sea version of the MEDUSA model (-RS) please contact the authors (dekaufman@vims.edu, marjy@vims.edu)

Associated Publications:

Kaufman, D.E., Friedrichs, M.A.M., Smith, W.O., Jr., Hofmann, E.E., Dinniman, M.S., Hemmings, J.C.P. (In Revision), *Climate change impacts on southern Ross Sea phytoplankton composition, productivity and export.*

Subject Keywords:

Ross Sea
Biogeochemical model
Climate scenarios
Phytoplankton
Phaeocystis antarctica
Glider