Online Data Sharing Platform

Purpose:
- Chla, phytoplankton biomass and zooplankton communities in North (>60°N)
  - Spatial variation
  - Interannual variation
  - Variations between warm and cold phases

Access:
- https://researchworkspace.com/campaign/2585494/chukchi-bering-international-research
  - Spatial variation
  - Interannual variation
  - Variations between warm and cold phases
Lisa added 14 files.

Manuscript & Data Archive
- Manuscripts
  - Siddon_fsx123_Supp_Table...
  - Siddon_fsx123_Supp.pptx
  - Siddon_et_al_2017ICES.pdf
- And 11 more...

Stacey updated a file.

Exploring climate normals and anomalies using the Chukchi–Beaufort High-Resolution Atmospheric Reanalysis (CBHAR) model
Seasonal, interannual, and spatial patterns of community composition over the eastern Bering Sea shelf in cold years. Part II: ichthyoplankton and juvenile fish

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Received 19 December 2016, revised 2 May 2017, accepted 8 June 2017.

Climate-mediated oceanographic changes have led to protracted periods of above- or below-average water temperatures over the eastern Bering Sea since the early 2000s. Ecosystem components, from phytoplankton to marine birds, have shown dichotomous responses to these temperature anomalies. Understanding within-stanza responses is fundamental to modelling efforts that project ecosystem responses under future climate scenarios. This study describes fish communities associated with Walleye Pollock during the age-0 period and also examines ichthyoplankton and juvenile fish community composition over the eastern Bering Sea shelf.
Lisa added 14 files.

Manuscript & Data Archive

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And 11 more...

Stacey updated a file.

Exploring climate normals and anomalies using the Chukchi–Beaufort High-Resolution Atmospheric Reanalysis (CBHAR) model
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Plotting wind vectors from CBHAR

Purpose

This demonstration notebook plot wind speed and direction from a grid in a variety of ways including the following:

- wind speed as an unprojected colormap
- wind flow vector arrows, colorized by speed
- wind barbs, colorized by speed
- wind barbs over unprojected colormap of wind speed
- wind barbs over projected map of wind speed with a coastline

Inputs

This notebook uses a time slice from the Chukchi Beaufort High-resolution Atmospheric Reanalysis (CBHAR) 1979-2009 dataset provided to the public by the Bureau of Ocean and Energy Management through AOOS:

Outputs

For these examples, all output plots are published to the screen only.

Modification History

2017-07-07: Original script moved into Research Workspace (W. Koeppen, Axiom)