

Oceanographic conditions influencing little auks (*Alle alle*) in the Greenland Sea

AUTHOR(S):

Nina J. Karnovsky  
Pomona College  
Dept. of Biology  
175 W. 6<sup>th</sup> St.  
Claremont, CA 91711

Phone: 909-607-9794

Fax: 909-621 8878

Email address: [nina.karnovsky@pomona.edu](mailto:nina.karnovsky@pomona.edu)

Co-PI Ann Harding

Alaska Pacific University

[a.m.a.harding@gmail.com](mailto:a.m.a.harding@gmail.com)

---FUNDING SOURCE AND GRANT NUMBER:

National Science Foundation

Grant number: 0612504

DATA SET OVERVIEW:

This dataset contains measurements of the steroid hormone corticosterone (CORT) from little auk (*Alle alle*) chicks and adults in Hornsund Fjord, southwest Spitsbergen (77°00' N, 15° 22' E) during the breeding season (July-August) 2005-2008.

INSTRUMENT DESCRIPTION:

Little auks were captured by mist net or noose carpet. Chicks were taken from the nest. Plasma was separated from red blood cells by centrifuge.

DATA COLLECTION and PROCESSING:

Birds were captured using mist nets or noose carpets. 5mL of blood was collected in capillary tubes from wing or tarsus within 3 minutes of capture. Blood samples were placed in centrifuge tubes and centrifuged until separation of plasma from the cell pellet. Plasma was collected and shipped frozen to A. Kitaysky at UAF for analysis.

DATA FORMAT:

This is a .xls file. Each row represents an individual CORT measurement on an individual bird. CORT values are given in ng/mL. Morphometric measurements were taken on the birds: Culmen, Beak Depth, Headbill (H-B), Tarsus, and wing are all in mm, while bird weight is given in g. "Stage" codes are as follows:

MC: mid-chick rearing

EC: early-chick rearing

LI: late incubation

DATA REMARKS:

None