

1. DATA AND INFORMATION TYPES**A. Provide a contextual description of the data stream.**

The Shell Ice & Weather Advisory Center (SIWAC) provides focused and operation-driven sea ice forecasts for Shell management. SIWAC produces relatively high-resolution interpretations of sea ice conditions for the Alaska Beaufort Sea and Chukchi Sea shelf areas using multiple base-level data sets. Historical sea ice interpretations back to June 2010 have been made available to the public through AOOS.

B. How many station locations are there for this data stream?

N/A

C. What are the specific parameters of the data.

The parameters include date, time, relative sea ice concentration, age, and attributes.

D. Provide information about the sampling platform or instrumentation.

N/A

2. DATA PATHWAY**A. Is a data sharing agreement required?**

Data visualizations were made public through a bilateral agreement with Shell.

B. In which format(s) was data received by AOOS?

Data was received as geodatabase files from the originator.

C. How can the information be accessed?

The data are available through the AOOS data portal, where it can be explored through interactive visualizations. It is not made available for download.

D. What file formats will be used for sharing data, if different from original?

Data are shared only through visualization in the AOOS data portal. Data files are not available for download.

E. Describe how the data is ingested(e.g. the flow of data from source to AOOS data portals) and any transformations or modifications made to share data in the AOOS data portal.

Data files were provided directly by Shell. Data was imported to PostgreSQL, visualized with custom JSON REST service (JAVA).

F. What metadata or contextual information is provided with the data?

Data are shared in the AOOS portals with descriptive narratives describing the data and linking back to Shell Ice & Weather Advisory Center (SIWAC).

G. Are there ethical restrictions to data sharing?

No

a. If so, how will these be resolved?

N/A

H. Who holds intellectual property rights (IPR) to the data?

Shell Ice & Weather Advisory Center (SIWAC)

I. Describe any effect of IPR on data access.

None

3. DATA SOURCE AND QUALITY CONTROL

A. Indicate the data source type (i.e. Federal, Non-Federal, University, State Agency, Local Municipality, Military Establishment (branch), private industry, NGO, non-Profit, Citizen Science, Private individual)

Private industry

a. If Federal data source, were changes applied to the data?

No

b. If Yes, describe any changes to the data that require documentation?

N/A

B. Indicate the data reporting type (e.g. real-time, historical).

Historical

C. If real-time, list the QARTOD procedures that are currently applied.

Not required

D. If real-time, list the QARTOD procedures that are planned for implementation.

N/A

E. What is the status of the reported data? (e.g. raw, some QC, incomplete, delayed mode processed but not QC'd)

QC by originator

F. Describe the data control procedures that were applied by the originator.

Contact the data provider for availability of QC information.

a. Provide a link to any documented procedures.

N/A

G. Describe the data control procedures that were applied by AOOS.

No applied AOOS QC. This is a synthesis product made from existing data sources.

a. Provide a link to any documented procedures.

N/A

H. List the procedures taken for data that could not be QC'd as directed.

N/A

4. STEWARDSHIP AND PRESERVATION POLICIES

A. Who is responsible for long-term data archiving?

Data are aggregated for visualization and exploration with other layers in the AOOS data portal. AOOS stores the real-time and historical data internally using the AOOS data servers. If the data provider chooses to archive these data at a national archive in the future, they may do it directly, or using the AOOS-facilitated pathway to NCEI.

It is currently not the intention of the data provider to archive this information in a national archive.

B. Which long-term data storage facility will be used for preservation?

N/A

C. Describe any transformation necessary for data preservation.

N/A

D. List the metadata or other documentation that will be archived with the data.

N/A