

**National Climatic Data Center**

**DATA DOCUMENTATION**

**FOR**

**DATA SET 9958 (DSI-9958)**

**Sea Ice Charts**

**May 20, 2003**

National Climatic Data Center  
151 Patton Ave.  
Asheville, NC 28801-5001 USA

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1. **Abstract:** Sea Ice Charts is digital data set DS-9958, archived at the National Climatic Data Center (NCDC). This is sea ice charts and data. This data set was produced at the National Ice Center (NIC). The NIC is a joint office of the US Department of the Navy, the US Coast Guard, and the National Environmental Satellite, Data, and Information Service (NESDIS) under the National Oceanic and Atmospheric Administration (NOAA). Data was derived from remote sensed data and observations. RADARSAT, DMSP/OLS, NOAA/TIROS, and DMSP/SSM/I sensors comprised the majority of the sensors used in the analysis. The data contains information pertaining to the concentration of sea ice in the Arctic and Southern Oceans and marginal seas. The data also contains estimates of ice thickness through the use of satellite data and theoretical methods. The data also includes the forms of sea ice, whether it is in belts and strips or if the ice is fasted (connected) to the coast. NCDC has in archive data since 1995. Data includes total ice concentration; partial concentrations, forms, and stages of development of thickest, second thickest, and third thickest forms of ice; predominant and secondary forms of ice; and stage of development of any remaining class of ice not otherwise reported. Data are primarily in the form of files that are in a proprietary export format used by the ESRI company in their "Arcview" and "ArcGIS" commercial software products. These export files have a ".e00" extension. They require ESRI software such as "Arcview" or "ArcGIS" to view. It is also possible at this writing to go to the ESRI web site (<http://www.esri.com>) and download the two freeware titles "import71.exe" (to convert the .e00 files to usable data) and "ArcExplorer" (to view the data in map form). A few files in DS-9958 are simple text files (.txt)

2. **Element Names and Definitions:**

Please see: <http://www.esri.com>

3. **Start Date:** 19950101

4. **Stop Date:** Ongoing.

5. **Coverage:** North America

- a. Southernmost Latitude: -90.0S
- b. Northernmost Latitude: 90.0N
- c. Westernmost Longitude: -180.0W
- d. Easternmost Longitude: 180.0E

6. **How to Order Data:**

Ask NCDC's Climate Services about the cost of obtaining this data set.  
Phone: 828-271-4800  
FAX: 828-271-4876  
E-mail: [NCDC.Orders@noaa.gov](mailto:NCDC.Orders@noaa.gov)

7. **Archiving Data Center:**

National Climatic Data Center  
Federal Building  
151 Patton Avenue  
Asheville, NC 28801-5001  
Phone: (828) 271-4800.

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8. **Technical Contact:**

National Climatic Data Center  
Federal Building  
151 Patton Avenue  
Asheville, NC 28801-5001  
Phone: (828) 271-4800.

9. **Known Uncorrected Problems:** None.

10. **Quality Statement:**

11. **Essential Companion Datasets:** None.

12. **References:** No information provided with original documentation.

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