

**Sea Ice Concentration CDR at the National Centers for Environmental Information**

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The NOAA/NSIDC Climate Data Record of Passive Microwave Sea Ice Concentration is a CDR that provides a consistent daily and monthly-averaged record of the fraction of ocean covered by sea ice for both the North and South poles. It spans 9 July 1987 to present and meets current standards and guidelines for climate data records. It is based on a long-term passive microwave satellite record on a 25 km grid that is superior to other measurement methods such as in situ or ship-based that cannot reproduce the spatial and temporal coverage of these satellites. This talk will present a basic description and characterization of this ice concentration CDR along with the challenges of creating and maintaining such a record. In addition, a discussion of the scientific relevance of this CDR and its validation with other sea ice products will be included.