

Sea Ice Concentration CDR (01B-11 and 01B-11a) Technical Note

Beginning with January 2017 data, the Sea Ice Concentration CDR uses version 3.1 of the Bootstrap Sea Ice Concentrations from Nimbus-7 SMMR and DMSP SSM/I-SSMIS (NSIDC-0079) as input to the following NetCDF variables: `goddard_bt_seaice_conc`, `goddard_bt_seaice_conc_monthly`, `goddard_merged_seaice_conc`, and `goddard_merged_seaice_conc_monthly`. All data prior to January 2017 use version 3.0 of the NSIDC-0079 data set.

Version 3.1 of the NSIDC-0079 ice concentrations computes sea ice concentration with an open water identifier that is calculated daily for the months of May and October. In version 3.0, this value was calculated using a single monthly value for May and a single monthly value for October. For complete details on the NSIDC-0079 version changes, please see the Bootstrap Sea Ice Concentrations from Nimbus-7 SMMR and DMSP SSM/I-SSMIS, Version 3 documentation [<https://nsidc.org/data/nsidc-0079>].

Due to this change, users should note that there may be a small discontinuity in the variables mentioned above for data before and after January 2017 occurring in the months of May and October. Other months, as well as the sea ice CDR variables themselves, `seaice_conc_cdr` and `seaice_conc_monthly_cdr`, are not affected by this change.