NODC Electronic Data Documentation Form

NOAA FORM 24-13 (Revised 9/2001) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE NATIONAL OCEANOGRAPHIC DATA CENTER SSMC-3 FOURTH FLOOR, 1315 EAST WEST HWY SILVER SPRING MD 20910-3282 FORM APPROVAL PENDING

This form should accompany all data submissions to the National Oceanographic Data Center. Section 1, Contributor Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent descriptive information about the submitted data at that time. Please include any relevant reports, publications, or other supporting documentation that assist in describing data collection, analysis, and format specifics.

SECTION 1. CONTRIBUTOR IDENTIFICATION (PLEASE COMPLETE INFORMATION ABOUT WHO IS SENDING THE DATA TO NODC.)

1. Name of contributor Fiamma Straneo, Senior Scientitst	5. Telephone 508-289-2914			
2. Organization/Institution name Woods Hole Oceanographic Institution	6. Email fstraneo@whoi.edu			
3. Mailing address 266 Woods Hole Road MS #21	7. FAX 508-457-2181			
4. City Woods Hole	8. Other contact methods/information			
State/Province MA				
Zip/Postal Code 02543				
Country USA				
SECTION 2. DATA COLLECTOR IDENTIFICATION (PLEASE COMPLETE INFORMATION ABOUT WHO COLLECTED THESE DATA.)				
1. Name of data collector Fiamma Straneo, Senior Scientist	5. Telephone 508-289-2914			
2. Organization/Institution name Woods Hole Oceanographic Institution	6. Email fstraneo@whoi.edu			
3. Mailing address 266 Woods Hole Road MS #21	7. FAX 508-457-2181			
4. City Woods Hole State/Province MA Zip/Postal Code ⁰²⁵⁴³ Country ^{USA}	8. Other contact methods/information			

SECTION 3. GENERAL DATASET DESCRIPTION (PLEASE COMPLETE GENERAL INFORMATION ABOUT THESE DATA.)

1. Dataset Title (if applicable) (may be sent in an included ASCII text file named "abcTITLE.TXT" where abc are your initials)

Mooring Data collected in Sermilik Fjord, East Greenland from August 2010 to August 2011 measuring conductivity, temperature, depth, and current velocity using SBE Microcats, Onset UTBI-001 TidbiT Temperature loggers, and Nortek Aquadopp current meters

2. Dataset Abstract (please provide a brief description of the contents of the dataset) (may be sent in an included ASCII text file named "abcABSTRACT.TXT" where abc are your initials)

The data included in this dataset were collected in Sermilik Fjord, located in East Greenland in the Ammassalik district close to the town of Tasiilaq. Data collection was conducted by deploying five moorings from August 2010 to August 2011. The five moorings were named CM1-SF5, CM2-SF6, CM5, SF3, and SF4. Mooring CM1-SF5 was located mid-fjord at a depth of 131m and was equipped with a Microcat and Aquadopp. Mooring CM2-SF6 was located next to Mooring CM1-SF5 at a depth of 390m. It contained a Microcat, an Aquadopp, and four TidbiT temperature loggers. Mooring CM5 was located outside the fjord on the shelf at a depth of 262m and was equipped with a Microcat, an Aquadopp, and seven TidbiT temperature loggers. Mooring SF3 was located near the glacier at a depth of 13m with a Microcat. Mooring SF4 was located near the mouth of the fjord at a depth of 600m and was equipped with three Microcats and an Aquadopp.

3. Dataset Purpose (please provide a brief statement about the purpose for collecting these data) (may be sent in an included ASCII text file named "abcPURPOSE.TXT" where abc are your initials)

The overarching goal of this work is to understand the glacier/ocean interactions in Greenland's glacial fjord both to explain the recent and ongoing changes and, to improve our ability to make future predictions (of sea level rise in particular).

4. Dataset collection datesAugust 22, 2010First day of data collectionAugust 20, 2011Last day of data collectionAugust 20, 2011		
5 Dataset location Northernmost Latitude 66.1776 Southernmost Latitude 65.4834 Easternmost Longitude -38.0841 Westernmost Longitude Ocean/sea area names -37.7480 Greenland Sea	 6. Platform(s) used to collect these data Platform name(s) and type(s) Mooring CM1-SF5 - fixed platform, Mooring CM2-SF6 - fixed platform, Mooring CM5 - fixed platform, Mooring SF3 - fixed platform, Mooring SF-4 - fixed platform 	
7. Instruments used to collect these data Instrument(s) SeaBird MicroCAT-37 with pressure, Onset UBTI-001 TidbiT temperature logger, Nortek Aquadopp DW current meter	8. Parameters measured Parameters conductivity, temperature, pressure, current velocity	
9. Project name(s) Glacier-Ocean Coupling in a large east Greenland fjord	10. Original cruise name(s) Sermilik Fjord, East Greenland data collection 2010	
11. Volume of data transferred (in bytes) 5.4 MB	12. Filenames in data submission SF10_CM1SF5_aqd_131.nc, SF10_CM1SF5_mc_131.mc, SF10_CM2SF6_mc_390.nc, SF10_CM2SF6_TidbiT_294.nc, SF10_CM2SF6_TidbiT_304.nc,	

SECTION 4. SCIENTIFIC CONTENT OF DATASET (PLEASE COMPLETE SPECIFIC INFORMATION ABOUT THESE DATA.)

Include enough information concerning the manner of observation, instrumentation, analysis, and data reduction techniques to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained 'as is' as a permanent part of the data and will be available for future users. Equivalent information already available may be substituted for this section of this form (i.e., publications, reports, and README files containing descriptions of observational and analytical methods).

NAME OF MEASURED PARAMETER	UNIT OF MEASURE USED FOR PARAMETER	OBSERVATION METHOD AND INSTRUMENT USED (TYPE & MODEL	ANALYTICAL METHOD AND LABORATORY PROCEDURES USED (INCLUDING MODIFICATIONS)	DATA PROCESSING TECHNIQUES (WITH FILTERING AND AVERAGING)
Conductivity Temperature Pressure	S/m degree C decibar	SBE MicroCAT-37 SBE MicroCAT-37 SBE MicroCAT-37 SBE MicroCAT-37	N/A N/A N/A	Data collected before and after the instrument was in the water was removed
Temperature	degree C	Onset UTBI-001 TidbiT temp logger	N/A	
Current velocity	m/s	Nortek Aquadopp DW	N/A	

SECTION 5. DATA FORMAT OF DATASET (PLEASE COMPLETE SPECIFIC INFORMATION ABOUT THE FORMAT OF THESE DATA.)

Include enough information concerning the format of these data to make them understandable to future users. Furnish at least the minimum documentation considered relevant for your data. Documentation will be retained 'as is' as a permanent part of the data and will be available for future users. Equivalent information already available may be substituted for this section of this form (i.e., publications, reports, and README files containing descriptions of the data format). At a minimum, please include the following information:

1. Media type on which data were submitted (e.g., FTP, exabyte tape, etc.) $\ensuremath{\mathrm{FTP}}$

2. Name of included file that contains specific record layout, if applicable, including: FIELD NAME, POSITION FROM 0 MEASURED IN (BITS, BYTES, ETC.), LENGTH (NUMBER, UNITS), ATTRIBUTES, USE AND MEANING

SermilikGreenland_2010_MooringData

3. Brief description of file organization Files are in netCDF format and each file contains data for each individual instrument that collected data.

4. Record type(s) netCDF

5. Data format information contact person Name Andree Ramsey

Email aramsey@whoi.edu

Telephone 508-289-2682

Address Woods Hole Oceanographic Institution 266 Woods Hole Road, MS #21 Woods Hole, MA 02543

SECTION 6. INSTRUMENT CALIBRATION (PLEASE COMPLETE SPECIFIC CALIBRATION INFORMATION ABOUT INSTRUMENTS USED TO COLLECT THESE DATA.)

Include enough information about instrument calibration to make it understandable to future users. Furnish the minimum documentation considered relevant for each instrument. Documentation will be retained 'as is' as a permanent part of the data and will be available for future users. Equivalent information already available may be substituted for this section of this form (i.e., publications, reports, and README files containing descriptions of observational and analytical methods).

1. Name of included file that contains specific calibration details, if applicable, including: INSTRUMENT TYPE (MFR., MODEL#), DATE OF LAST CALIBRATION, LAST CALIBRATED BY (NAME, ORGANIZATION), INSTRUMENT CALIBRATED AT (FIXED INTERVALS/BEFORE USE/AFTER USE/BEFORE AND AFTER USE/ONLY AFTER REPAIR/ONLY WHEN NEW/OTHER (SPECIFY)/INSTRUMENT NOT CALIBRATED