## 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 Henrietta Edmonds	5. Telephone 361-749-6772			
2. Organization/Institution name The University of Texas at Austin	6. Email hnedmonds@mail.utexas.edu			
3. Mailing address Marine Science Institute 750 Channel View Drive	7. FAX 361-749-6777			
<ul> <li>4. City Port Aransas</li> <li>State/Province TX</li> <li>Zip/Postal Code 78373</li> <li>Country USA</li> </ul>	8. Other contact methods/information			
SECTION 2. DATA COLLECTOR IDENTIFICATION (PLEASE COMPLETE INFORMATION ABOUT WHO COLLECTED THESE DATA.)				
1. Name of data collector Henrietta N. Edmonds Peter Winsor	5. Telephone 361-749-6772 (Edmonds) 907-474-7740 (Winsor)			
<ul> <li>Organization/Institution name</li> <li>UT Marine Science Institute (Edmonds)</li> <li>WHOI, now U. of Alaska Fairbanks (Winsor)</li> </ul>	6. Email hnedmonds@mail.utexas.edu pwinsor@sfos.uaf.edu			
3. Mailing address (P. Winsor) 123 O'Neill P.O. Box 755220 UAF Institute of Marine Sciences	7. FAX 361-749-6777 (Edmonds) 907-474-7204 (Winsor)			
<ul> <li>4. City Fairbanks</li> <li>State/Province AK</li> <li>Zip/Postal Code 99775-7220</li> <li>Country USA</li> </ul>	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)

Arctic Gakkel Vents Expedition 2007 CTD data

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)

This dataset consists of instrumental data from 36 CTD casts performed on the Gakkel Ridge, Arctic Ocean, in July 2007 from the Swedish icebreaker Oden. The mission of the AGAVE cruise was to locate seafloor hydrothermal vents. Casts were carried out in two areas, near 85N 7E and 85N 85E where water column hydrothermal plume signatures had previously been observed. Many of the casts involved "yo-yo-ing" the instrument (a SeaBird 9/11+) up and down through the depth interval in which plume signals were observed, while the ship drifted with the pack ice. The data are presented as 1-second binned data to preserve the features of the yo-yos.

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 purpose of the AGAVE cruise was to locate seafloor hydrothermal vents on the Gakkel Ridge. The CTD program was designed to intercept and map the non-buoyant hydrothermal plumes emanating from these vents and to use the magnitude of physical and chemical plume signatures to target subsequent AUV deployments.

<ol> <li>Dataset collection dates</li> <li>First day of data collection</li> <li>Last day of data collection</li> </ol>	04 July 2007 31 July 2007 (final ca	st recovered)
5 Dataset location Northernmost Latitude Southernmost Latitude Easternmost Longitude Westernmost Longitude Ocean/sea area names Arctic Ocean		<ul><li>6. Platform(s) used to collect these data Platform name(s) and type(s)</li><li>Icebreaker Oden (Sweden)</li></ul>
7. Instruments used to collect these dat Instrument(s) SBE 9/11 plus	a	8. Parameters measured Parameters pressure, temperature, conductivity, oxygen, fluorescence, beam transmission, Eh (redox potential), optical backscatter
9. Project name(s) AGAVE (Arctic Gakkel Vents Expedition)		10. Original cruise name(s) AGAVE
11. Volume of data transferred (in bytes 74.6 MB	)	12. Filenames in data submission see separate list

## 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)
See included files (excerpt from AGAVE cruise report, "CTD_configuration&strateg y.doc")				

NODC Accession Number

SECTION 5. DATA FORMAT OF DATASET
(PLEASE COMPLETE SPECIFIC INFORMATION ABOUT THE FORMATIOF 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.)
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
See ReadMe.txt
3. Brief description of file organization
See ReadMe.txt Files are named "ag_ctd##_ddmmtime.asc" and "ag_ctd##_ddmmtime.hdr"
4. Record type(s) enter record type descriptions, as appropriate
5. Data format information contact person Name Peter Winsor
Email pwinsor@sfos.uaf.edu
Telephone 907-474-7740
Address Institute of Marine Sciences 123 O'Neill; P.O. Box 755220 University of Alaska Fairbanks Fairbanks, AK 99775-7220
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

ag\_ctd##\_ddmmtime.con, where ## = 01 (covers ctds 1-2), 03 (ctds 3-14), 15 (ctd 15), 16 (ctd 16), or 17 (ctds 17-32)