#232/9-24-87
ACCESSION
NUMBER 8700277

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DATA DOCUMENTATION FORM

A00564

NOAA FORM 24-13 (4-72) U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER FOZZ.
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

FORM APPROVED O.M.B. No. 41-R2651

TY0046

C022

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND APPRESS OF I	-	ATORY, O	R ACTIVITY WIT	H WHICH SUBM	IITTED DATA AI	RE ASSOCIATED
UNIVERSITY OF ALAS	SKA					
INSTITUTE OF MARI	NE SCIENCE					
DATA MANAGEMENT						
ROOM 111 O'NEAL B	UILDING					
FAIRBANKS, ALASKA	99701					
2. EXPEDITION, PROJECT, C DATA WERE COLLECTED		WHICH		BER(S) USED I	BY ORIGINATOR	TO IDENTIFY
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OCE 8613769			/	4897		i
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4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT		<u></u>	TES
			PLATFORM	OPERATOR	FROM: MODAY,YF	TO: MO DAY YR
R/V ALPHA HELIX	SHIP		USA	USA	04/21/87	05/88/87
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(907) 474-7092					1 , 488519	<u>511 704 ar </u>
(301) 414 1032	•				1	
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NOAA FORM 24-13		_			USCO	MM-DC 44289-P72

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

	THREE RECORD TYPES WIT	THIN FILE TYPE 22
	Designated by byte 10:	· · · · · · · · · · · · · · · · · · ·
	"1" for Text Record	1
	"2" for Master Reco	ord
	"3" for Detail Reco	ord
GIVE BRIEF DESCRI	PTION OF FILE ORGANIZATION	
	File 22, STD/CTD: 0 to	99,999 Text records, followed by
	1 Ma	ster record, followed by
	0 to	99,999 Detail records
	Repe	eats ·
RESPONSIBLE COMP	X FORTRAN (ALGOL COBOL LANGUAGE
RESPONSIBLE COMP	X FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana	LANGUAGE
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	X FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana	LANGUAGE ger (907) 474-7836 stitute of Marine Science, Fairbanks, Alaska
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	T FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana University of Alaska, In SECTION IF DATA ARE ON MAGN	ger (907) 474-7836 stitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) \$\int 3/4 \text{ inch}
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	T FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana University of Alaska, In SECTION IF DATA ARE ON MAGN	ger (907) 474-7836 stitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/4 INCH 56 inch
RESPONSIBLE COMP NAME AND ADDRESS _ COMPLETE THIS RECORDING MODE	T FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana University of Alaska, In SECTION IF DATA ARE ON MAGN BCD BINARY ASCII BECDIC	ger (907) 474-7836 stitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH .56 inch 10. END OF FILE MARK
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	T FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana University of Alaska, In SECTION IF DATA ARE ON MAGN BCD BINARY ASCII BECDIC	ger (907) 474-7836 stitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 56 inch 10. END OF FILE MARK OCTAL 17 X Octal 35
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RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK: (CHANNELS)	T FORTRAN UTER SPECIALIST: PHONE NUMBER Data Mana University of Alaska, In SECTION IF DATA ARE ON MAGN BCD BINARY ASCII EBCDIC S SEVEN X NINE V ODD EVEN	ger (907) 474-7836 stitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH .56 inch 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 022097IMS ALPHA HELIX CRUISE HX97 04/21/87 - 05/08/87 DR. NIEBAUER BERING SEA STATIONS: 1-65.
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RECORD FORMAT DESCRIPTION

RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22

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	(a.g., bits, bytes)						
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B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING			
SALINITY	0.001 °/	NANSEN BOTTLES & NEIL BROWN MARK IIIB CTD/O	DESCRIPTION OF BASIC PROCESSING ATTACHED.	n/A			
TEMPERATURE	°C	DSR THERMOMETERS & NEIL BROWN MARK IIIB CTD/O	11	n/a			
DEPTH	0.1M (1M = 1db)	THERMOMETRIC DEPTH & NEIL BROWN MARK IIIB CTD/O		N/A			
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	<u> </u>	<u> </u>	<u> </u>	USCOMMED C 44000			

IMS STD/CTD DATA REDUCTION

JUNE 1980

STDCP

Raw 9-track magnetic tapes from the Neil Brown Mark IIIB microprofiler are input. The conductivity is converted to salinity by a relation based on the work of A. S. Bennett (DSR, Vol. 23, No. 2, February 1976).

Output of this program is on 9-track tape and includes entered header data and all STD values from the raw 9-track tape. Output from this program is input for STDAV.

STDCP PRINT OUT

- 1) Print out the type of "FISH" used.
- Input from 9-track and output to 9-track is documented. (This
 includes all headers, end of files, and record number indicators).

CALVAL

Data values from the instrument display, taken at the time discrete samples were taken are input along with raw temperature and conductivity data from the discrete samples. Each set of such data constitute one field correction.

All of the field corrections are listed along with mean values for standard deviations for temperature and salinity. Generally, values for temperature and salinity are rejected if they fall beyond two standard deviations from the mean.

Subjective judgments as to the quality of the field correction data is made at this time.

Output from this program provides input for STDAV.

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("\(\sigma'\)") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TWO		INSTRUMENT WAS	CALIBRATED SY		CHECK ONE: INSTRUMENT IS CALIBRATED					
INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	YOUR ORGANIZATION	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS	BEFORE OR After Use	BEFORE AND AFTER USE	ONLY AFTER REPAIR	NEM WHEN ONLY	IS NOT Cali- Bratei	
		(√)		(√)	(√)	(√)	(√)	(√)	(√)	
EIL BROWN MARK IIIE TD/O Microprofiler	FEB. 1987 AUG., 1984		NEIL BROWN							
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	D UNITS ARE FIE RATORY CALIBRAT		COMPARISON W	TH DISCRE	E SAMPLES	TO INCREASE	ACCURAC	OVER		
DAA FORM 24-13	<u> </u>	<u> </u>	<u>L</u> .	<u> </u>	<u> </u>				FDC 44289	

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-72)

U.S. DEPARTMENT OF COMMERCE
NAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20882 NATIONAL FOLL

TVGOYT

319317

This form should accompany all data submissions to NODC. Section A, Originator Identification, must be completed when the data are submitted. It is highly desirable for NODC to also receive the remaining pertinent information at that time. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

	13111011011, EABOR	ATORY, O	R ACTIVITY WIT	H WHICH SUBM	IITTED DATA AL	RE ASSOCIATED
UNIVERSITY OF ALAS						
INSTITUTE OF MARIN	NE SCIENCE					
DATA MANAGEMENT						
ROOM 111 O'NEAL BU						
FAIRBANKS, ALASKA	99701					
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		ABER(S) USED I	BY ORIGINATOR	TO IDENTIFY
GARS			HX	'98		
OCE 8608125	5			. •		
4. PLATFORM NAME(S)	5. PLATFORM TYPI (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT			TES
]	J		PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR
R/V ALPHA HELIX	SHIP		USA	USA	05/12/87	05/25/87
S. ARE DATA PROPRIETARY	?		E DARKEN ALL			
X NO TYES		CONT	AINED IN YOUR	SUBMISSION W	ERE COLLECT	ED.
IF YES, WHEN CAN TH				GENERAL AR	EA	
IF YES, WHEN CAN TH FOR GENERAL USE? 9. ARE DATA DECLARED NA PROGRAM (DNP)?	YEARMONTH	10° 10° 1	HG- 100- 100- 100- 140	GENERAL AR	# # F #	* * * *
FOR GENERAL USET 9. ARE DATA DECLARED NA	YEARMONTHTIONAL CLUDED IN WORLD			GENERAL AR	EA	
FOR GENERAL USE1 9. ARE DATA DECLARED NA PROGRAM (DNP)1 (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE1)	TIONAL CLUDED IN WORLD S FOR INTERNA-	77 Tag		GENERAL AR	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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FOR GENERAL USE1 9. ARE DATA DECLARED NA PROGRAM (DNP)1 (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE1)	TIONAL CLUDED IN WORLD S FOR INTERNA-	770 T 44 A		GENERAL AR	200 200 P	212 257 2742 9 171
FOR GENERAL USE1 9. ARE DATA DECLARED NA PROGRAM (DNP)1 (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE1)	TIONAL CLUDED IN WORLD S FOR INTERNA-	204	100° 100° 100° 100° 100° 100° 100° 100°		3 90 m m	212 257 2742 9 171
FOR GENERAL USE1 9. ARE DATA DECLARED NA PROGRAM (DNP)1 (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE1) NO XYES PAR 10. PERSON TO WHOM INQUIRI	TIONAL CLUDED IN WORLD FOR INTERNA- T (SPECIFY BELOW) ES CONCERNING	# D	188" 188" 188" 188" 189" 189" 189" 189"	30 30 30 30 30 30 30 30 30 30 30 30 30 3		213 287 274 2 9 1171 7 148 135
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FOR GENERAL USET 9. ARE DATA DECLARED NA PROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE?) NO XYES PART 10. PERSON TO WHOM INQUIRE DATA SHOULD BE ADDRES PHONE NUMBER (AND ADD THAN IN ITEM-1) DATA MANAGER	TIONAL CLUDED IN WORLD FOR INTERNA- T (SPECIFY BELOW) ES CONCERNING ISED WITH TELE-		319 V 556 551	30 30 30 30 30 30 30 30 30 30 30 30 30 3	3 90 m m	212 227 COV 2 9 127 148 1 135 148 2 148 158 2 148
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FOR GENERAL USET 9. ARE DATA DECLARED NA PROGRAM (DNP)T (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGET) NO XYES PART 10. PERSON TO WHOM INQUIRE DATA SHOULD BE ADDRES PHONE NUMBER (AND ADD THAN IN ITEM-1) DATA MANAGER	TIONAL CLUDED IN WORLD FOR INTERNA- T (SPECIFY BELOW) ES CONCERNING ISED WITH TELE-		388 319 319 391 397 397 397 397 397 397 397 397 397 397	20 20 20 20 20 20 20 20 20 20 20 20 20 2	3 90 m m	212 227 COV 2 9 127 148 1 135 148 2 148 158 2 148
9. ARE DATA DECLARED NA PROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDING! TIONAL EXCHANGE?) NO XYES PART 10. PERSON TO WHOM INQUIR! DATA SHOULD BE ADDRES PHONE NUMBER (AND ADDITHAN IN ITEM-1) DATA MANAGER (907) 474-7836	TIONAL CLUDED IN WORLD FOR INTERNA- T (SPECIFY BELOW) ES CONCERNING ISED WITH TELE-	20 170 170 170 170 170 170 170 170 170 17	318 319	20 20 20 20 20 20 20 20 20 20 20 20 20 2	3 90 m m	212 227 247 247 247 247 247 247 247 247 24
9. ARE DATA DECLARED NA PROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDING! TIONAL EXCHANGE?) NO XYES PART 10. PERSON TO WHOM INQUIR! DATA SHOULD BE ADDRES PHONE NUMBER (AND ADDITHAN IN ITEM-1) DATA MANAGER (907) 474-7836	TIONAL CLUDED IN WORLD FOR INTERNA- T (SPECIFY BELOW) ES CONCERNING ISED WITH TELE-	20 170 170 170 170 170 170 170 170 170 17	388 319 319 391 397 397 397 397 397 397 397 397 397 397	20 20 20 20 20 20 20 20 20 20 20 20 20 2	3 90 m m	212 227 247 247 247 247 247 247 247 247 24
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C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS.

	THREE RECORD TYPES WI	THIN FILE TYPE 22
	Designated by byte 10	:
	"1" for Text Record	
	"2" for Master Reco	
	- .	
GIVE BRIEF DESCR	PTION OF FILE ORGANIZATION	
	File 22, STD/CTD: 0 to	99,999 Text records, followed by
	1 Ma	aster record, followed by
	0 to	o 99,999 Detail records
	Dane	eats
	Kepe	ea La
		•
ATTRIBUTES AS EX	PRESSED IN PL-1	ALGOL COBOL LANGUAGE
RESPONSIBLE COMP	T FORTRAN PUTER SPECIALIST: PHONE NUMBER Data Mana	LANGUAGE ager (907) 474-7836
RESPONSIBLE COMP NAME AND ADDRESS	T FORTRAN PUTER SPECIALIST: Data Mana University of Alaska, In	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska
RESPONSIBLE COMP NAME AND ADDRESS	T FORTRAN PUTER SPECIALIST: Description of Data Mana University of Alaska, In SECTION IF DATA ARE ON MAG BCD BINARY	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska
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RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	T FORTRAN PUTER SPECIALIST: D PHONE NUMBER Data Mana University of Alaska, Ir SECTION IF DATA ARE ON MAG BCD BINARY ASCII EBCDIC	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK OCTAL 17
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RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	T FORTRAN PUTER SPECIALIST: D PHONE NUMBER Data Mana University of Alaska, Ir SECTION IF DATA ARE ON MAG BCD BINARY ABCII EBCDIC	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/4 INCH 10. END OF FILE MARK OCTAL 17 X Octal 28 32 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	Tortran Puter specialist: Dephone number Data Mana University of Alaska, Ir Section if Data are on mag BCD Binary Ascii Escoic Seven	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH 10. END OF FILE MARK OCTAL 17 X Octal 25 32 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	Tortran Puter specialist: Dephone number Data Mana University of Alaska, Ir Section if Data are on mag Section if Data are on mag BCD Binary Ascii Escoic Seven Nine	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 10. END OF FILE MARK 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 122098IMS ALPHA HELIX CRUISE HX98
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	Tortran Puter specialist: Dephone number Data Mana University of Alaska, Ir Section if Data are on mag BCD Binary Ascii Escoic Seven	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/4 INCH 10. END OF FILE MARK 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 122098/WS ALPHA HELIX CRUISE HX98 05/12/87-05/25/87 DR. ROYER
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	Tortran Puter specialist: Definition of Alaska, In Section if Data are on mag Secti	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/4 INCH 10. END OF FILE MARK 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 122098/MS ALPHA HELIX CRUISE HX98 05/12/87-05/25/87 DR. ROYER GULF OF ALASKA STATIONS 1-21,23-145
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	T FORTRAN PUTER SPECIALIST: D PHONE NUMBER Data Mana University of Alaska, Ir SECTION IF DATA ARE ON MAG SECTION IF DATA ARE ON MAG ASCII EBCDIC SEVEN NINE 200 BPI X 1600 BPI	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/4 INCH 10. END OF FILE MARK 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 122098IMS ALPHA HELIX CRUISE HX98 05/12/87-05/25/87 DR. ROYER GULF OF ALASKA STATIONS 1-21,23-145
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Tortran Puter specialist: Definition of Alaska, In Section if Data are on mag Section if Data are on mag BCD Binary Ascii Escoic Seven X nine 200 BPI X 1600 BPI SE6 BPI	LANGUAGE ager (907) 474-7836 astitute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 2/4 INCH 10. END OF FILE MARK 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 122098IMS ALPHA HELIX CRUISE HX98 05/12/87-05/25/87 DR. ROYER GULF OF ALASKA
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	T FORTRAN PUTER SPECIALIST: D PHONE NUMBER Data Mana University of Alaska, Ir SECTION IF DATA ARE ON MAG SECTION IF DATA ARE ON MAG ASCII EBCDIC SEVEN NINE 200 BPI X 1600 BPI	Ager (907) 474-7836 Institute of Marine Science, Fairbanks, Alaska NETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 10. END OF FILE MARK 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 122098IMS ALPHA HELIX CRUISE HX98 05/12/87-05/25/87 DR. ROYER GULF OF ALASKA STATIONS 1-21, 23-145 9TRK, 1600891, ASCII, NOLAB, ODD 12. PHYSICAL BLOCK LENGTH IN BYTES

RECORD FORMAT DESCRIPTION RECORD NAME STD RECORD FORMAT DESCRIPTION, FILE TYPE 22 15. POSITION 16. LENGTH FROM - 1 MEASURED 17. ATTRIBUTES | 18. USE AND MEANING 14. FIELD NAME (0.4. Min, Ayron) NUMBER UNITS FILE TYPE "22" AS DESIGNATED BY OCSEP AND NODC. THERE ARE NO INTENDED DEVIATIONS FROM THIS TYPE, TREEPT: 1. Gol. 30 53 \$alini\$y in °/.. (14 to 1/100chs)

NOAA FORM 24-13

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND Instruments used (Specify type and model)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
	·			
SALINITY	0.001 °/。。	NANSEN BOTTLES & NEIL BROWN MARK IIIB CTD/O	DESCRIPTION OF BASIC PROCESSING ATTACHED.	n/A
TEMPERATURE	°C	DSR THERMOMETERS & NEIL BROWN MARK IIIB CTD/O	"	N/A
DEPTH	0.1M (1M = 1db)	THERMOMETRIC DEPTH & NEIL BROWN MARK IIIB CTD/O		N/A
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IMS STD/CTD DATA REDUCTION

JUNE 1980

STDCP

Raw 9-track magnetic tapes from the Neil Brown Mark IIIB microprofiler are input. The conductivity is converted to salinity by a relation based on the work of A. S. Bennett (DSR, Vol. 23, No. 2, February 1976).

Output of this program is on 9-track tape and includes entered header data and all STD values from the raw 9-track tape. Output from this program is input for STDAV.

STDCP PRINT OUT

- 1) Print out the type of "FISH" used.
- 2) Input from 9-track and output to 9-track is documented. (This includes all headers, end of files, and record number indicators).

CALVAL

Data values from the instrument display, taken at the time discrete samples were taken are input along with raw temperature and conductivity data from the discrete samples. Each set of such data constitute one field correction.

All of the field corrections are listed along with mean values for standard deviations for temperature and salinity. Generally, values for temperature and salinity are rejected if they fall beyond two standard deviations from the mean.

Subjective judgments as to the quality of the field correction data is made at this time.

Output from this program provides input for STDAV.

D. INSTRUMENT CALIBRATION

This calibration information will be utilized by NOAA's National Oceanographic Instrumentation Center in their efforts to develop calibration standards for voluntary acceptance by the oceanographic community. Identify the instruments used by your organization to obtain the scientific content of the DDF (i.e., STD, temperature and pressure sensors, salinometers, oxygen meters, velocimeters, etc.) and furnish the calibration data requested by completing and/or checking ("\(\sigma\)") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INSTRUMENT TYPE	DATE OF LAST	INSTRUMENT WAS	CALIBRATED BY			ECK ONE: IT IS CALIBRAT	ED		INSTRU- MENT IS
(MFR., MODEL NO.)	CALIBRATION	YOUR ORGANIZATION	OTHER ORGANIZATION (GIVE NAME)	AT FIXED	BEFORE OR After USE	BEFORE AND AFTER USE	ONLY AFTER REPAIR	ONLY WHEN	NOT CALI- BRATED
		(√)		(√)	(√)	(√)	(√1	(\sqrt{1})	(/)
NEIL BROWN MARK IIIE CTD/O Microprofiler	P EB AUC ., 1984	,	NEIL BROWN						
			·						
									<u>:</u>
									
	D UNITS ARE FIE RATORY CALIBRAT		COMPARISON W	TH DISCRE	E SAMPLES	TO INCREASE	ACCURAC	OVER	
NOAA FORM 24-13		L	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	USCOM	+DC 44289-P

TO:

E/0C12 - C. Noe

E/OC11 - P. Hadsell

FROM: E/OC13 - A. Picciolo

DATE: April 28, 1988

SUBJECT: Data Transfer

The following listed data sets have been transferred as indicated:

ARCHIVE AND INVENTORIES BRANCH (E/OC11)

----- Level II -----

DRIFTING BUOYS (F156)

Acc: 8800097 Ref: TV1014 - 1042 29 sta. 35,272 records

NOAA-AOML EPOCS

C/STD (F022/C022)

Acc: 8700277 Ref: TV0046-7/319716-7 65 sta.

1,080 records

Univ. of Alaska ALPHA HELIX

Acc: 8700378 Ref: TV0234/319754 133 sta. 13,407 records

Univ. of Washington T. THOMPSON

Mid-Pacific Transition Zone

Acc: 8700315 Ref: TV0235/39755 249 sta. 23,829 records

Univ. of Washington T. THOMPSON

NE Pacific Transition Zone

cc: Division Director

ACCESSION	NO.	8700277
.00-00-011	.,	

FILETYPE FO22

TRACK NO. TVOO47

319716 - 319717

STEP	DATE	INIT.	TAPE OR . DISK DSN	 NO. FILES	LRECL	BLK SIZE	NO. RECORD
ORIG. TAPE	09/08/87	Cutt	A00564	2	120	1200	18000
SUPLICATE TAPE	09/4/87	CIMPL	w14244*	2	120	1200	
REFORMATTED TAPE							
REFORMATTED DISK				 		•	
FIRST MULCHEK			,		ļ		
FINAL MULCHEK				 		1211 00 0000 000 001	
MPD75 OR FO22		nia sa sa majara yang majamanina masa masa masa masa masa masa masa ma		 			
JATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR: * tape in SL DNODC #8700277-01.

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

INVENTORY 'Record found

Record 4766 on screen

DATA ENTRY INFORMATION SYSTEM (DATASET INVENTORY)

SJH

DATE OF ENTRY: 09/30/87

REFERENCE NUMBER: TV0046 ACCESSION NUMBER: 8700277

FORMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09 EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTD/STD

* NOTE * If data is FO22, create an additional record for CO22.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3117
PLATFORM (COUNTRY AND PLATFORM CODES): 31HX
PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: HX97
CRUISE START DATE: 04/21/87 CRUISE END DATE: 05/08/87 Press PgDm
PROJECT CODE: DATA USE CODE (DUC): 3 to continue
F2ENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 65 NUMBER OF RECORDS: 1,080

If STA/REC counts are not appropriate them enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 0.129600

OCEAN AREA

CODE 1: 55A MEANING: Coastal Waters of W. Alaska (Bering Sea)

CODE 2: 57A MEANING: NW Pacific (limit-180)

CODE 3: 58A MEANING: Coastal Waters of S. Alaska

DINDB TRACK TRANSACTION GENERATED: / /

FRENTER FRANCE FAEXIT FROM CLR FOFLD CLR FROM FRENCH FRENCH FRENCH FLOMULTI

'Record found INVENTORY

Record 4768 on screen 168692

DATA ENTRY INFORMATION SYSTEM (DATASET INVENTORY)

SJH

DATE OF ENTRY: 09/30/87

REFERENCE NUMBER: TV0047 ACCESSION NUMBER: 8700277

FORMER REFERENCE NUMBER: FORMER ACCESSION NUMBER: (RESUB ONLY)

INVENTORY

EXCHANGE (FORMAT): E018 - STD/CTD (F022)

PROCESSING (FORMAT): F022 - CTT/CTT MEDIA-IN: 01 - Digital Magnetic Tape

* NOTE * If data is FO22, create an additional record for CO22.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3117 PLATFORM (COUNTRY AND PLATFORM CODES): 31HX

PLATFORM TYPE: 9 - Ship DINDB CODE 03

ORIGINATORS FILE ID: ORIGINATORS CRUISE ID: HX98 CRUISE START DATE: 05/12/87 CRUISE END DATE: 05/25/87 Press PgDm DATA USE CODE (DUC): 3 to continue FRENTER FRVIEW FAEXIT FOFORM CLR FOFLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

INVENTORY

VOLUME - NUMBER OF STATIONS: 144 NUMBER OF RECORDS: 16,920

If STA/REC counts are not appropriate them enter -

NUMBER: UNITS:

AVERAGE REC SIZE: 120 MBYTES: 2.030400

OCEAN AREA

CODE 1: 55A MEANING: Coastal Waters of W. Alaska (Bering Sea)

MEANING: NW Pacific (limit-180) CODE 2: 57A

CODE 3: 58A MEANING: Coastal Waters of S. Alaska

DINDB TRACK TRANSACTION GENERATED: / /

FRENTER F3VIEW F4EXIT F5FORM CLR F6FLD CLR F7DELETE F8MODIFY F9REPORT F10MULTI

NOAA FORM 24-5 (8-73)

NOAA FORM 24-5 (8-73)

U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

10: NODC 1825 COW	weeticate ac	re NW.	REFER TO AX97 - HX98		
Mashi	WATON DC	20235	FRANCIS MITCH	ell_	
ORDINARY	RÉGISTERED	MAIR C	ERTIFIED DOVERNMENT TRUCK	BY HAND	OTHER

Enclosed is a tape of <u>FT622 dolor</u> how the Institute of Morine Science. The fillids are AX 97 and HX 98. DOF'S are eveloued with two tape.

The tape.

A hating of the Stollar heards weards in part of the preterior.

> 8700277 A00564

	, ,	
FORWARDED BY (Signature)	TITLE	DATE FORWARDED
RECEIVED BY (Signature)	TITLE	DATE RECEIVED

copy to W' tapec

Bur 09

PLOT

1.4711

107/1/87

THE DI UM	OUTPUT MEDIUM
THE OTHER SPECIFY)	. CARD DISK PRINT (DISKETTE OTHER SPECI
TTE OTHER (SPECIFY)	DISKELLE OTHER(SPEC)
	•

ISKETTE INFURMATION

		•							_	
•	TAPE #1 DISKETTE		TRK	DENSITY	PARITY	LABEL TYPE	RECORD	RECORD LENGTH	MAX. BLOCK	F FI
	A00564		1.9.	160D	ODD.	NL	FB	120	1200.	EN ASS
	SECTOR SIZE	EXCHANGE TYPE	ASCID EBCDIC BCD SDF. OTHER(SPECIFY) DATA SET NAME OTHER(SPECIFY)							
•	TAPE #/	SLOT ≢	TRK	DENSITY	PARITY	LABEL TYPE	RECURD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	≨ FJI
,	-	<u>.</u>	.			• • • · ·	٠٠٠٠٠٠			-
=	SECTOR .SIZE	EXCHANGE TYPE	CODE: DATA SET NAME S ASCII EBCDIC BCD SDF OTHER(SPECIFY)							
1	JISKETTE	- ?I_Û] ∯	TRE DEESITY PARITY LABEL RECORD RECORD HAX. BLOWS TYPE TYPE TYPE LENGTH SIZE							# C
	W14244		9	1600	ODD-	MI	FB	120		2
									PUR DAT	
Presson Send Wtape to Execution TIME										

DATE JOB START END PRIORITY DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT COMPLETED TIME TIME DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIE COMPLETED BY J-S.

Please scan tape-TEDIUM DUTPUT MEDIUM DISK (TAPE CARD DISK (PRINT) TAPE.]P . CARD OTHER (SPECIFY) TTE DISKETTE OTHER (SPECIFY) TSKETTE INFURMATION TRK | DENSITY | PARITY | LABEL | RECORD | TAPE #/ J. SLOT # RECORD [MAX. BLOCK [DISKETTE TYPE TYPE LENGTH FJ SIZE ADD 564 CODE: . PU. SECTOR EXCHANGE DATA SET NAME ... **SIZE** TYPE ASCII EBCDIC - BCD SDF. DA OTHER (SPECIFY) £ (SLOT # DENSITY | PARITY LABEL TAPE #/ RECURD RECORD MAX. BLOCK TYPE DISKETTE TYPE LENGTH SIZE FJI CODE: PUH SECTUR EXCHANGE DATA SET NAME .SIZE TYPE ASCII EBCDIC BCD SDF DAT OTHER(SPECIFY) ŧ 0 LABEL HAX. BLOCK TAPE #/ SL07 # DEKSITY PARITY | RECORD RECORD. JISKETTE TYPE TYPE TYPE= FIL LENGTH SIZE SECTOR EXCHANGE-CODE: DATA SET NAME PURI BCD SDF TYPE -ASCII EBCDIC DATI · SIZE OTHER(SPECIFY) TESTRUCTIONS ESTIMATED Please return tape A00564. EXECUTION. TIME to Bin 09. ONLY DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DATE JOB START **END** PRIORITY | DISKETTES-USED, CARDS PUNCHED, CARDS KEYVERIFIE TIME COMPLETED TIME COMPLETED-BY J.S. 09/0.8/87 11:00 11.45 8,500

CENTRO DE ISTO PAR POACITOR DO DE PREDURGO

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8700277	C022	319716	9999	31I7		1987/04/21		172740
8700277	C022	319717	9999	31I7	31HX	1987/05/13	TV0047	172741
8700277	F022	TV0046	9999	31I7	31HX	1987/04/21	HX97	172742
8700277	F022	TV0047	9999	31I7	31HX	1987/05/13	HX98	172743

(4 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8700277	C022	319716	31HX	65	65		87/05/10
8700277	C022	319717	31HX	144			87/05/26
8700277							87/05/10
8700277	F022	TV0047	31HX	144	16915	87/05/13	87/05/26

(4 rows affected)