ACCESSION NUMBER 79-0201

DDF-B:1:16

DATA DOCUMENTATION FORM

TR4174

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

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

TR4175

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. ORIG	INATOR	IDENTIFICAT	ION	79-	10
THIS SECTION MUST BE COMP	LETED BY DONOR	OR ALL D	ATA TRANSMIT	TALS		
1. NAME AND ADDRESS OF IN INSTITUTE OF UNIVERSITY OF FAIRBANKS, AK	MARINE SCIENCE ALASKA		R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	RE ASSOCIATED
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED OCS/OCSEAP R. U. X	189	115	CMOO M	ONTAGUE STR	AAF	R TO IDENTIFY
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT			TES
N/A	CURRENT METE MOORING	R ·	PLATFORM	OPERATOR	FROM: MO,DAY,YF	TO: MO/DAY/YR
	<u> </u>		U.S.A.	U.S.A.	04/24/78	09/21/78
8. ARE DATA PROPRIETARY XX NO YES IF YES, WHEN CAN TH FOR GENERAL USE?	EY BE RELEASED				UARES IN WHICERE COLLECTI	
9. ARE DATA DECLARED NAPROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE?) NO SALE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PHONE NUMBER (AND ADD THAN IN ITEM-I)	CLUDED IN WORLD FOR INTERNA- (SPECIFY BELOW) ES CONCERNING SED WITH TELE-	100° 120° 278 242 200 40° 134 100 200 200 200 200 200 200 20	140° 160° 180° 168° 14 237	227 227 301 101 115 103 007 007 001 001 001 001 001	14 199 178 78 079 108 42 007 072 64 101 1034 65 300 335	284 (1/25) 279 284 (1/25) 279 284 (1/25) 279 284 (1/25) 279 284 (1/25) 279 285 (1/25) 265 285 (1/25) 265 286 (1/25) 286 287 (1/25) 286 288 (1/25) 286 288 (1/25) 286 288 (1/25) 286 288 (1/25) 286 288 (1/25) 286 288 (1/25) 286 288 (1/25) 286 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288 288 (1/25) 288
INSTITUTE OF MARI UNIVERSITY OF FAIRBANKS, AL	ALASKA	40° 40° 40° 50° 50° 51° 120° 120°	500 475 572 567 572 567 148° 180° 180° 188° 16	618	5 40840	439 434 48° 457 470 470 511 506 60° 547 542 543 572 48° 88° 100°



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
CURRENT SPEED DIRECTION	CM/SEC degrees T (includes declina of degrees)	RCM-4 AANDERAA CURRENT MERERS Ition	n/a	Conductivity to salinity conversion equations attached to DDF
TEMPERATURE SALINITY	Degrees C	·		Data are wild point edited only. No attempt has been made to correct S,T or D to STD casts.
DEPTH	Meters			Expect good precision. Accuracy not checked in field.
	•			
		·		
NOAA FORM 24-13 (2-72)				USCOMM-DC 44280-P72

C. DATA FORMAT

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

	CONTAINED IN THE TRANSMITTA	L OF YOUR FILE							
·	THREE RECORD TYPES WITHI	N FILF TYPE-15							
		N 1100 1110 15							
	Designated by byte 10:								
	"1" for Text Record "2" for Master Record								
	"3" for Detail Record								
2. GIVE BRIEF DESCRIF	PTION OF FILE ORGANIZATION								
015CM0042	(6953 RECORDS)								
015CM0043	(6954 RECORDS)	•							
015CM0044	(6954 RECORDS)								
015CM0045	(6954 RECORDS)								
015CM0046	(6954 RECORDS)								
3. ATTRIBUTES AS EXF	PRESSED IN PL-1 PL-1 PL-1	ALGOL COBOL LANGUAGE							
	_								
4. RESPONSIBLE COMP NAME AND	UTER SPECIALIST: PHONE NUMBER <u>Cydney Hanser</u>	(907) 479–7836							
ADDRESS	Institute of Marine Scie	ence, Univ. of Alaska, Faribanks, Ak. 99701							
	SECTION IF DATA ARE ON MAGNE	FIC TAPE							
5. RECORDING MODE	BCD BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH							
	ASCII XX EBCDIC	IO. END OF FILE MARK							
		OCTAL 17							
6. NUMBER OF TRACKS (CHANNELS)	SEVEN	KX octal 23							
	XX NINE	11. F ? MONTAGUE STRAIT 'S							
		289 015CM0042,CM0043							
7. PARITY	XX opp	04/24/78 - 09/21/78 Dr. ROYER 3135/1 & 3131/1							
	EVEN	TAPE 1 of 3							
8. DENSITY	200 BPI XX 1600 BPI	9trk,1600BPI,EBCBIC,NOLABEL,ODD PARITY							
	556 BP1	12. PHYSICAL BLOCK LENGTH IN BYTES							
	- 800 BP1	60 bytes/block 13. LENGTH OF BYTES IN BITS							
		8 bits/byte							
NOAA FORM 24-18		. USCOMM-DC 44289-P7:							

MONTAGUE STRAIT
289 015CM0044,CM0045
04/24/78 - 09/21/78 Dr. ROYER
3132/1 & 3133/1
TAPE 2 of 3
9trk,1600BPI,EBCDIC,NOLABEL,ODD

PARITY

MONTAGUE STRAIT 289 015CM0046 04/24/78 - 09/21/78 3134/1 TAPE: 3 of 3

9trk,1600BPI,EBCDIC,NOLABEL,ODD PARITY C. DATA FURMAT

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

LIST RECORD TYPES CENTER OF IDE		THE TRANSMITT	AL OF YOUR	FILE	USER	TARE	
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GIVE BRIEF DESCRIP	TION OF FILE	ORGANIZATION			_		•
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RESPONSIBLE COMPI NAME AND ADDRESS <u>A</u>	PHONE NUMBE	D752. NGTBA	NOAA/	EDIS /A	ODC.	-202-6	347
COMPLETE THIS	SECTION IF DA	· TA ARE ON MAGN	ETIC TAPE				
. RECORDING MODE			9. LENGT	H OF INTER-			
	BCD L	BINARY	RECOR	D GAP (IF KNO	'''''';= 3/ *	INCH .	
	ASCII	EBCDIC	10 5115 05	EIL E MARK			
				FILE MARK	oc.	TAL 17	
S. NUMBER OF TRACK	\$		┤ `		. 🗀		
(CHANNELS)	SEVEN	•	11 PASTE	ON-PAPER LA	BEL DESCR	IPTION (INCL.III	DE
	NINE		ORIGIN	ATOR NAME A	ND SOME LA	VY SPECIFICATI	
			_ 0, 0,	TA TYPE, VOL		r,	
7. PARITY			=			. \	
	2 000		011	-386	11.5	()	
	EVEN			200			
3. DENSITY		<u> </u>		.	_ ^		
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_	556 BPI		12 BUVEIC		NGTH IN B	TES	
	_		iz. Phrsic	AL BLOCK LE			
	800 BPI	·	12. PH 1310	48			
			13. LENGT	H OF BYTES	O O		
			13. LENGT	H OF BYTES			

	PARAMETER	DESCRIPTION	sc
TEXT	RECORD METER NUMBER	ALWAYS '1' FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	10
	TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
	BLANK SEQUENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	54 5 5
MASTE	R RECORD	ALWAYS '2'	10
	METER NUMBER LATITUDE	SEE RECORD '1' DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDIHS	11
	LONGITUDE	DODMMXX PLUS HEMISPHERE 'E' DR 'W' -	23
	DEPTH OF BOTTOM DEPTH OF CURRENT METER	XXXXX (WHOLE METERS) XXXXX (METERS TO TENTHS)	31 36
	METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
	INSTITUTION .	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
	AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE O WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
	LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY .	49
	NUMBER OF CETAIL RECORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	5 5
	COMPONENT (U)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	10 11 16 22 28

NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDINS)	40
PRESSURE CONDUCTIVITY BLANK	XXXXX (DECIBARS TO TENTHS) XXXX - MMHOS TO HUNDREDTHS	45 50 54
SEQUENCE NUMBER	XXXXXX - USED FOR SCRIING DATA RECORDS ORIGINATOR	55
DETAIL RECORD 2	ALWAYS '4'	10
METER NUMBER Date (GMT)	SEE RECORD '1' YYMMOD	16
TIME (GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURRENT COMPONENT (U)		28
NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE .	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	10
PRESSURE	XXXXX (DECIBARS TO TENTHS)	45
SALINITY SEQUENCE NUMBER	XXXXX PARTS PER THOUSAND TO HUNDREDTHS XXXXXX - USED FOR SORTING DATA RECORDS	50 55

5 = -0.08996 + 28.8567*R0 + 12.18882*R2- 10.61869*R0*R2

5 = 5 + R0*(R0-1.0) * (0.0442*T - 4.6E-4*T2 - 0.004*R0*T

2.3

x + 5.98624*?2*R2 - 1.32311*R2*R2*R0

+ (1.25E-4 - 2.9E-6*T)*P)

THERE WERE NO DIAGNOSTICS IN ABOVE COMPILATION 25K WORDS WERE USED FOR THIS COMPILATION

44

48

49

50 51

52

R2 = P0*R0

C'RETURN TO CALLER

RETURN

END

1. ACCESSION NUMBER	NOAA FORM (10-72)	1 44-9			NATIONAL 6	U. S.	DEPARTMENT		ERCE /	FORM A	PPRO	VED	
19-0201	TRY	174		NODC	INDEX FORM	DOLANIC AND AT	MOSI IIEMIO AE		1	D.M.B.			9
CUOO4 2 INCURFIL	1 / K 1	/// DINCTOLLUEN	IT ME			T ODSEDVAT	TIONS /MIMS	COV	E	EXPIRE	S - A	JGUS1	1977
CDF O O F Z IMCORFIE	FUI	K INSTRUMEN	YI-ME		RFACE CURREN	I UBSERVA	IONS (NIMS	(U)	<u> </u>				
				PAR				T 600 5					
2. NAME OF INSTITUTION HOLDING		IDITU OF AV	CODE	3. ARCHIVE REF.	NO. 4. PLATFORM	NAME OR DESIGN	IATOR	CODE	5. CRI	JISE OR	SURVI	EY PER	RIOD
INSTITUTE OF MARINE 6. COUNTRY OF INSTITUTION HOL		UNIV OF AK	CODE	*7. PLATFORM T	(PF (Check one)		I OTHER (Spec	ify)	 				
				SHIP	BUOY	AIRCRAFT	i i	,,	1	1	'EAR	MO.	DAY
8. NAME OF PERSON TO CONTACT	EOP FILL D	ATA PROCESSING	INEO	DRIFTING		WINGED	1		5A. B		_		
Cydney Hansen, Inst.			••	ANCHORED		HELICOPTER	!		GINNI	_	978	4	24
8A. ADDRESS - STREET OR POST				1 =		.ceiooi i en	CODE	:	5B.				
University of Alaska		RUMBER		UNDERWAY	E ISLAND TTEIXE	D STRUCTURES	!		ENDIN	iG	9 78	9	21
	STATE	ZIP CODE/C	CUNTRY	O PROJECT OR E	XPEDITION DESIGNAT		. 		1				
Fairbanks	Alaska	99701/0			e, record the internati		project or exp	edition	Į.				
	NUMBER	1.5.5.7.5.7		designator of w	hich survey was a par	rt. Examples: I	GOSS, CICAR,	CIM,	G.F	ss (o	CSEAP)	
BB. TELEPHONE; 907	479-783	6		CINECA, etc.	If survey was primari oject or expedition d	ly a national or l	ocal cooperati ed	ve en-					
					RT II	CSIRIIALOI ASSIRII	<u>cu </u>						
10. INSTRUMENT USED TO COLLEC	T DATA	OA. MODEL NO	CODE	*12. OBSERVATION	TYPE (Check one)	OTHER (Speci	ify)		14. U	SABLĘ	RECOR	DS	
Aanderaa Meters		RCM4		ONE INST	ANT ANEOUS RECORD	I			Y	EAR	MONT	H DA	Υ
*11. INSTRUMENT TYPE (Check on	e) (0	THER (Specify)		AVERAGE	OF SEVERAL	CODE	1	4A. BEGI	N- 19				_
X CURRENT METER NEUT. B	UOY. FLOAT			ANALOG F	OF SEVERAL NEOUS RECORDS RECORD	1		NING DATE	<u> </u>	78	4	2	9
DROGUE FREE-F	ALL DEVICE			13. ARE DATA PRO	CESSED? 13A. IF N	IO, WHEN PLAN		14B. END-					
	i			X YES	NO MONTH	YEAR		NG DATE	19	78	9	2	0
15. TEN-DEGREE S	QUARE, SUBS	QUARES		16. ARE DATA EDI	TED? (Check one)			7. LOCAT					
15A. 10° 15B. 5°		5C. 1"		<u> </u>			NO		DEGRE	ES MIN.	SEC.	HEM. cle ap	prop.)
18. OBSERVATION DEPTH (Meters) were taken in "From" space. a depth range (such as obtaine buoyancy floats) enter shallow deeper depth in "To" space	- Record dep	pth at which obse	rvations	*19. DATA STORAG	E MEDIUM (Check on	e) OTHER (Spec	ify)	I7A. BE- Sinning	-	58			HERN
a depth range (such as obtaine	d with free-fa	all devices or new	utral	PUNCHED	CARDS XX MAG. TAP	E`		LATITUDE	59	36	4	SOUT	HERN
deeper depth in 10 space.					ECORD PAP. TAP		IG	7B. BE- Inning_	147	48	8		ERN
18A. FROM	18B. AT			L		<u> </u>		ONGITUDE	14/	1.40		WEST	ERN
20. ANALYSIS PRODUCTS GENERA		eed vs direction, lots, etc.)	speed vs	time, progressive	21. ANALYSIS PROD	DUCTS PLANNED							
1	vector p	iors, erc.)											
		DADT III ZE:	l out this	postion only if	16 an danis 4 - 4 i c - 1		fa-m)						
22. PERTINENT PUBLICATIONS (Li	et sublication				other documentation is	s torwarded with	tomn)						
mentation data reduction and p					nventoried.								
23. INSTRUMENTATION REMARKS					24. DATA REDUCTI	ON AND PROCES	SING REMARKS	(Describe	briefly	the tin	e inter	val of	indi_
product, major routine manufact or other comments helpful in da			res durin	g data collection,	vidual observa	tions of processed of the pertinen	ed data, storag	è codes ol	•			\ ED/	'D'/O I
or other comments herpful in ua	ta merpretat	ion.)			omary, etc.) ar	ia otner peninen	processing is	ctors)					
NO MODIFICATIONS													
25. DATA EDIT CRITERIA REMARKS use for analysis; e.g. constant	(List criteria	a applied in ediți	ng data t	o the point of their	26. GENERAL REMA	RKS (Enter any	other comments	useful in	interpr	etation	and us	e of da	at a
use for analysis; e.g. constant lations, purging of undesirable	errors (time of frequencies.	or other) applied, etc.)	depth co	rrections, interpo-	reported)								
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RECORD NAME

14. FIELD NAME	15. POSITION	16. LENGTH	17. ATTRIBUTES	18. USE AND MEANING
	FROM-1	i		
	MEASURED	ļ	4	
	IN	NUMBER UNITS	;	1
	(e.g., bita, bytea)		<u> </u>	
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יים על היים היים	111511 AC D	ECTONATED B	V OCCEAD AND NO	DC. THERE ARE NO DEVIATIONS
FILE TIPE	12 AS D	ESIGNALED B	I OSCEAF AND NO	C. THERE ARE NO DEVIATIONS
I FR	PM THIS TY	ре, ехсерт:		ļ
		[]		
	1. col 45	-49 debth i	n meters (I5 to	1/10ths)
i l	2. col 59	-53 salinit	y in 0/00 (14 t	b 1/100ths)
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• (FIRST 50	RECORDS OF METER	
•	0150400421	31354ETFR 3135	1
	<u>^15C400421</u>		
	0150100421		ې
	@15CM00421	3135	<u>4</u>
	015C400421	31351. THIS DATA CONTAINS A SECTION OF	3
	<u> </u>		
	.015CM00421	3135 THESE_ARE RECORD_NO. 1247-1251.	(
	015C400421	3135 THE DATA HAS BEEN INTERPOLATED.	8
	015C400421		.9
	<u> </u>		<u> </u>
	0150400421	31352. THIS DATA CONTAINS A SECTION WH	17
	015CM00421	3135FRF NUMEROUS_VALUES MUST BF	12
	015040042]	3135 INTERPOLATED. THIS SECTION IS	13
	<u>015CM00421</u>	3135ABOUT 35 RECORDS LONG. THE	14
	015CM00421	3135 INTERDOLATED VALUES ARE SOMEWHA	15
	0150400421	3135T RANDOM AND SHOULD NOT BIAS.	16
	0150400421	3135 SPECTRAL AMALYSTS. (SEF REC. #2	17
	<u> </u>	313541-278)	18
	015CM00421	3135	19
	015CM00421		20
	015CM0042l	3135CONVERSION FOUATIONS ORTAINED FROM NRC	21
		3135C CALIERATION	22
	015CM00421		23
	015CM00421		24
	0150400421	3135	25
·	015CM00421	3135	<u> 26 </u>
	015CM00421	3135 TEMP=-2.522 + 2.2847F-2*R2 - 1.5	27
	015CM00421	313558F-6*R2**2 +	28
	0150400421		29
	015CM00421	3135	30
	015CM00421	3135 COND=(7.426F-2*R3 + 0.07)	31
•	015CM00421		32
	015CM00421		33
	0150400421		34
	015CM00421		35
	0150400421	3135cn	36
	0150400421	3135 SPFFD=(2.8*R6)/SAMPLING INTERVAL	37
	015CM00421	3135 + 1.5	38
	015CM00421	3135	39
	0150400421	3135	40
	0150400421	3135 NOTE	4Ĭ
·.	015CV00421	3135	42
	0150400421	3135 COMDUCTIVITY FIELD IN DETAIL R	43
	0150400421		44
	0150400421		45
	0150000421		46
	0150400421	3135 FOUATIONS USED WERE INCLUDED	47
	015CM00421	3135 AS PART OF THE DOF.	48
	0150400421		49
	0150000421		ร์ด์

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1. ACCESSION NUMBER 1. ACCESSION NUMBER 1. OAA FORM 44-9 (10-72) TR4175 FOR INSTRUMENT-ME.	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NODC INDEX FORM ASURED SUBSURFACE CURRENT OBSERVATIONS (NIMSCO) O.M.B. NO. 41-R2689 EXPIRES - AUGUST 1	977
	PART I	
2. NAME OF INSTITUTION HOLDING DATA CODE	3. ARCHIVE REF. NO. 4. PLATFORM NAME OR DESIGNATOR CODE 5. CRUISE OR SURVEY PERIO	D
INSTITUTE OF MARINE SCIENCE, UNIV OF AK 6. COUNTRY OF INSTITUTION HOLDING DATA CODE	*7. PLATFORM TYPE (Check one) OTHER (Specify)	
	I I YEAR IMO. ID/	AY
B. NAME OF PERSON TO CONTACT FOR FULL DATA PROCESSING INFO.	SHIP BUOY AIRCRAFT	—
	DRIFTING XX MOORED WINGED ANCHORED DRIFTING HELICOPTER SA. BE- GINNING 1978 4 2	24
Cydney Hansen, Inst. of Marine Science	L CODE ED	
8A. ADDRESS - STREET OR POST OFFICE BOX NUMBER	UNDERWAY ICE ISLAND FIXED STRUCTURES SOLUTION 1978 9 2	21
University of Alaska CITY STATE ZIP CODE/COUNTRY		
Fairbanks Alaska 99701/USA	When applicable, record the international cooperative project or expedition	
BB. AREA CODE NUMBER	designator of which survey was a part. Examples: IGOSS, CICAR, CIM, GASS (OCSEAP)	
TELEPHONE: 907 479-7836	CINECA, etc. If survey was primarily a national or local cooperative en— deavor, enter project or expedition designator assigned.	
	PART II	_
10. INSTRUMENT USED TO COLLECT DATA 10A. MODEL NO CODE	*12. OBSERVATION TYPE (Check one) OTHER (Specify) 14. USABLE RECORDS	
Aanderaa Meters RCM4	ONE INSTANTANEOUS RECORD YEAR MONTH DAY	
*11. INSTRUMENT TYPE (Check one) OTHER (Specify)	AVERAGE OF SEVERAL CODE 14A. BEGIN- 19 78 4 28 INSTANTANEOUS RECORDS NING DATE	
KX CURRENT METER NEUT. BUOY. FLOAT	ANALOG RECORD NING DATE	
DROGUE FREE-FALL DEVICE	13. ARE DATA PROCESSED? 13A. IF NO, WHEN PLANNED? 14B. END- 19 78 9 20	
I	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
15. TEN-DEGREE SQUARE, SUBSQUARES	16. ARE DATA EDITED? (Check one) 17. LOCATION OF CURRENT MET. OBSER	
15A. 10° 15B. 5° 15C. 1°	YES NO DEGREES MIN. SEC. HEM. (Cite appro	_
were taken in 'From' space. If the observation series represents	174. DATA STORAGE MEDIUM (Check one) OTHER (Specify) 174. BE- GINNING 59 58 4 NORTHE SOUTHE	
18. OBSERVATION DEPTH (Meters) — Record depth at which observations were taken in ''From'' space. If the observation series represents a depth range (such as obtained with free—fall devices or neutral buoyancy floats) enter shallower depth in ''From'' space and	PUNCHED CARDS X MAG. TAPE LATITUDE SOUTHE	
deeper depth in "To" space. 18A. FROM 18B. AT 50M	ANALOG RECORD PAP. TAPE CODE GINNING LONGITUDE 147 48 8 WESTEL	
20. ANALYSIS PRODUCTS GENERATED (e.g., speed vs direction, speed vs	s time produced in	
vector plots, etc.)	21. ANALYSIS PRODUCTS PLANNED	
· ·		
PART III (Fill out this	s section only if no other documentation is forwarded with form)	
22. PERTINENT PUBLICATIONS (List publications containing any document	entation on instru-	_
mentation data reduction and processing, data editing, and analysis re		
23. INSTRUMENTATION REMARKS (Specify any major modifications to man- product, major routine manufacturing features, operation failures during	nufacturer's original 24. DATA REDUCTION AND PROCESSING REMARKS (Describe briefly the time interval of included data collection, vidual observations of processed data, storage codes of processed data (BCD, EBCD)	
or other comments helpful in data interpretation.)	binary, etc.) and other pertinent processing factors)	
NO MODIFICATIONS		
25. DATA EDIT CRITERIA REMARKS (List criteria applied in editing data to use for analysis; e.g. constant errors (time or other) applied, depth collations, purging of undesirable frequencies, etc.)	to the point of their 26. GENERAL REMARKS (Enter any other comments useful in interpretation and use of data orrections, interpo-	
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015CM00431 31319) 26	
015CM00431 3131 DFPTH=(0.5452*R4 - 27.11/1.458 27	
015CM00431 3131	
015CM00431 3131 DIRECTION= 0.3470*R5 + 0.7 + DECL 29 015CM00431 313LINATION 30	
015CM00431 3131 SPEED= (2.8*R6) / SAMPLING INTERVAL 31	
015CM00431 3131+ 1.5	•
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015CM00433 313178 429 127 0 722 1912 4446 5243184 4	: '
015CM00423 313178 429 157 0 1005 1216 4491 5243188 5 5	

FIRST 50 RECORDS OF METER

	Accession # 19-020								
Step	Completion Date	Init.	Tape #,	d of Files.	BLKSIZE,	LRECL			
Originator Tape #	6-25-79	SOO	ANDY54	2	4800	60			
QuASI Duplicate Tape #	7-10-79	300	011955	2	4800	60			
DDF Evaluation		ļ							
Quality Review	7-16-79	mke							
Preliminary Data Sort	7-17-79	MRC	0/1955						
Preliminary Check	7-20-79	CES	011955	1	4800	60			
First User Tape #	10-03-79	088	014386		4800	6			
Final User Tape #									
Final Check	10-02-19	09	014386	·]	4800	60			
MAPIS Inventory	16-11-79	CB	014386		4800	6			
. DIP Inventory	10-02-79	29	014384	1	4 800	60			
. Data Ser 'Finalized'		j				1			

79-0207

DATA DOCUMENTATION FORM

TR 4176 TR 4177

NOAA FORM 24-13 (4-77) U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED O.M.B. No. 41-R2651 EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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. ORIG	INATOR	IDENTIFICATI	ION		
THIS SECTION MUST BE COMPL	ETED BY DONOR F	OR ALL	ATA TRANSMIT	TALS		
1. NAME AND ADDRESS OF INS	TITUTION, LABOR	ATORY, O	R ACTIVITY WIT	H WHICH SUBMI	TED DATA AF	RE ASSOCIATED
IMS						
2. EXPEDITION, PROJECT, OR	PROGRAM DURING	WHICH			Y ORIGINATOR	TO IDENTIFY
DATA WERE COLLECTED				IS SHIPMENT		
			CM00	144		
04.200		—	PMA	145		
RU 289					r= 	
4. PLATFORM NAME(S)	6. PLATFORM TYPE (E.G., SHIP, BUO)		6. PLATFORM A	Y(IES)		TES
	Current?	2-	PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR
	Carren 1	nu				
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8. ARE DATA PROPRIETARY?			SE DARKEN ALI AINED IN YOUR			
NO YES						
IF YES, WHEN CAN THE			145	GENERAL AR	EA	
9. ARE DATA DECLARED NATI					_ 	
PROGRAM (DNP)? (I.E., SHOULD THEY BE INC	LUDED IN WORLD	180° 120°	140° 160° 180° 160° 140	. 130. 100. 80. 80.	46, 50, 0, 50,	284 EU DEC 279
DATA CENTERS HOLDINGS TIONAL EXCHANGE?)		242	237		217252	243
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		20-	129 124 093 088	119 114	107 128	104
10. PERSON TO WHOM INQUIRIE			057 052 021 016	047 046	037 072 001 036 300 333	032 027 631 326
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NOAA FORM 24-12		.,,,				

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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	Tor	Nansen bottles	Inductive Salinometer (Hytech model S 510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	d units and percent by weight	Ewing corer	Standard sieves Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk 165

(SPACE IS PROVIDED ON THE FOLLOWING TWO PAGES FOR THIS INFORMATION)

C. DATA FORMAT

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

	CONTAINED IN THE TRANSMENTIFYING EACH RECORD TY	· · · · · · · · · · · · · · · · · · ·
2. GIVE BRIEF DESCRIP	TION OF FILE ORGANIZATIO	N
3. ATTRIBUTES AS EXP	RESSED IN PL-1	MALGOL COBOL
	FORTRAN	LANGUAGE
4. RESPONSIBLE COMPL	JTER SPECIALIST:	
NAME AND ADDRESS _	PHONE NUMBER	
COMPLETE THIS S	SECTION IF DATA ARE ON MA	GNETIC TAPE
5. RECORDING MODE	BCD BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
	ASCII DEBCDIC	10. END OF FILE MARK
6. NUMBER OF TRACKS		OCTAL 17
(CHANNELS)	SEVEN,	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
	NINE	OF DATA TYPE, VOLUME NUMBER)
7. PARITY	VODD	
	EVEN	
8. DENSITY		ļ
	200 BPI 🗹 1600 BPI	1
	200 BPI 1600 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
		12. PHYSICAL BLOCK LENGTH IN BYTES 13. LENGTH OF BYTES IN BITS 120 / 4800 / NL

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

- 1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
 - 2. Describe briefly how your file is organized.
 - 3-13. Self-explanatory.
 - 14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity.
 - 15. Enter starting position of the field.
- 16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
- 17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
- 18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.



				
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
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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
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DESERBIGIES E COM	PUTER SPECIA	FORTRAN	□		.ANGUAGE	-202-	634
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	PUTER SPECIA D PHONE NUMB WASH	FORTRÁN LIST: DER D 753 -	NOAA U, DC.	1 EDIS /3	NODC	-202-	634
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	PUTER SPECIA D PHONE NUMB WASH	FORTRAN LIST: PER D 752-	NOAA U, DC.	EDIS /	NODC		634
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	PUTER SPECIA D PHONE NUMB LUASH S SECTION IF D	FORTRAN LIST: DER D 753 DATA ARE ON MAC	NOAA U, DC.	EDIS /	NODC		634
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	PUTER SPECIA D PHONE NUMB WASK	FORTRAN LIST: PAN GTS DATA ARE ON MAC	NOAA, U, DC. GNETIC TAPE 9. LENG RECO	EDIS /	NODC	INCH	634
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	PUTER SPECIA D PHONE NUMB A SK S SECTION IF D BCD ASCII	FORTRAN LIST: DER D 753 DATA ARE ON MAC	NOAA, U, DC. GNETIC TAPE 9. LENG RECO	EDIS	NODC		634
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	PUTER SPECIA D PHONE NUMB A SK S SECTION IF D BCD ASCII	FORTRAN LIST: DER D 753 DATA ARE ON MAC	NOAA U, DC. GNETIC TAPE 9. LENG RECO	EDIS 2023	NODC	TAL 17	
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RECORD NAME 15. POSITION 16. LENGTH FROM-1 MEASURED IN 18. USE AND MEANING FIELD NAME 17. ATTRIBUTES NUMBER UNITS (e.g., bits, bytes)

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GTH .	17. ATTRIBUTES	18. USE AND MEANING
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14. FIELD NAME	15. POSITION FROM - 1	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
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	PARAMETER	DESCRIPTION	sc
TEXT	RECORD	ALWAYS '1'	10
	METER NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11
	TEXT	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16
	BLANK		54
	SEQUENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	55
MAST	ER RECORD	ALWAYS '2'	10
	METER NUMBER	SEE RECORD '1'	11
•	LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDIHS	16
•	LONGITUDE	DODMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
•	DEPTH OF BOTTOM	XXXXX (WHOLE METERS)	31
	DEPTH OF CURRENT METER	XXXXX (METERS TO TENTHS)	36
•'	METER USAGE SEQUENCE NUMBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41
	INSTITUTION .	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44
	AXIS ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE O WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46
	LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY . ORIGINATOR	49
	NUMBER OF DETAIL	XXXXXX - USED TO INDICATE NUMBER OF	55
	RECORDS	DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	
DETAI	L RECORD 1	ALWAYS '3'	10
	METER NUMBER	SEE RECORD '1'	11
	DATE (GMT)	YYMMDD	16
	TIME (GMT) EAST-WEST CURRENT.	XXXXXX (HOURS, MINUTES TO HUNDREDTHS) XXXXXX - CM/SEC TO HUNDREDTHS WITH	22 28
•	COMPONENT (U)	POSITIVE DIRECTIONS (EAST AND NORTH)	20
		INDICATED WITHOUT PLUS SIGN - NEGATIVE	
f•	.Mut	DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	

	NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
	TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
	PRESSURE CONDUCTIVITY BLANK	XXXXX (DECIBARS TO TENTHS) XXXX - MMHOS TO HUNDREDTHS	45 50 54
	SEQUENCE NUMBER	XXXXXX - USED FOR SORTING DATA RECORDS ORIGINATOR	55
DETA		ALWAYS 141	10
		SEE RECORD '1'	11
	DATE (GMT) TIME (GMT)	YYMMOO XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	16
•	EAST-WEST CURRENT COMPONENT (U)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	28
	NORTH-SOUTH CURRENT COMPONENT (V)	XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
	TEMPERATURE	XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TD THOUSANDTHS)	40
	PRESSURE	XXXXX (DECIBARS TO TENIHS)	45
	SALINITY SEQUENCE NUMBER	XXXXX PARTS PER THOUSAND TO HUNDREDTHS XXXXXX - USED FOR SORTING DATA RECORDS	

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 ("/") the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INCORPUMENT TYPE		INSTRUMENT WAS	CALIBRATED BY		INSTRU- MENT IS				
INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	YOUR ORGANIZATION	OTHER ORGANIZATION (GIVE NAME)	AT FIXED	BEFORE OR AFTER USE	BEFORE AND AFTER USE	ONLY AFTER REPAIR	ONLY WHEN NEW	NOT CALI- Brated
		(√)		(√)	(√)	(√)	(√)	(√)	(√)
									•
			-						
					'		<u> </u>		
				<u> </u>					
				-			<u> </u>		
A FORM 24-13								<u> </u>	

1. ACCESSION NUMBER 207 NOAA FO (10-72) CUOO 4 FILE NAME: TR	RM 44-9 4176 OR INSTRUMENT-ME	_	INDEX FORM	CEANIC AND ATM		MINISTRAT	10N FOR	.B. NO	PROVE . 41–R – AUG	
		PAF	RT 1							
2. NAME OF INSTITUTION HOLDING DATA	CODE	3. ARCHIVE REF.	NO. 4. PLATFORM N	IAME OR DESIGNA	TOR	CODE	s cours	- 00 ()	IDVEV	PERION
INSTITUTE OF MARINE SCIENCE	, UNIV OF AK	1					5. CRUISE	: UK 30	JKVET	PERIOD
6. COUNTRY OF INSTITUTION HOLDING DATA		*7. PLATFORM T	PE (Check one)	10	OTHER (Speci	fy)]	
IISA		SHIP	BUOY	AIRCRAFT		ì		YE	AR M	D. DAY
8. NAME OF PERSON TO CONTACT FOR FULL	DATA PROCESSING INFO.	DRIFTING	XX MOORED W	INGED !			5A. BE-			
Cydney Hansen, Inst. of Mar	ine Science	ANCHORED	DRIFTING H	ELICOPTER L			GINNING	197	8 4	24
8A. ADDRESS - STREET OR POST OFFICE B		UNDERWAY		!	CODE	i	5B.	}		
University of Alaska			E ISLAND FIXED	STRUCTURES			ENDING	197	8 9	21
CITY	ZIP CODE/COUNTRY	9. PROJECT OR E	XPEDITION DESIGNATO	DR		1				
Fairbanks Alaska	99701/USA	- ''	e, record the internatio		•	_				
8B. AREA CODE NUMBER			hich survey was a part If survey was primarily				G A	SS (O	CSEA	')
907 479-	7836	deavor, enter p	roject or expedition de:							
		PA	RT II							
10. INSTRUMENT USED TO COLLECT DATA	10A. MODEL NO CODE	*12. OBSERVATIO	NTYPE (Check one)	OTHER (Specify	<i>"</i>		14. USAI			
Aanderaa Meters	RCM4	-,	ANT ANEOUS RECORD	ĺ <u></u>			YEA	RM	ONTH	DAY
*11. INSTRUMENT TYPE (Check one)	OTHER (Specity)	AVERAGE INSTANT	OF SEVERAL ANEOUS RECORDS RECORD	CODE		A. BEGIN		,	4	28
X CURRENT METER NEUT. BUOY. FLOA	न्,				^ N	ING DATE		<u>'</u>	4	20
DROGUE FREE-FALL DEVIC	턴 !	13. ARE DATA PRO		O, WHEN PLANN YEAR		4B. END- IG DATE	19 78		9	20
	040114888	X YES		TEAR			ION OF CU			
. 15, TEN-DEGREE SQUARE, SU	ISC. 1º	16. ARE DATA EDI	IED? (Check one)	vec 🗀 v	} -		DEGREES			M. (Cir— approp.)
15A. 10° 15B. 5° 18. OBSERVATION DEPTH (Meters) — Record		TIO DATA STORAG	لبيا GE MEDIUM (Check one)	YES N		7A. BE-	DEGREES	m114. 3		· ·
were taken in "From" space. If the obse a depth range (such as obtained with free buoyancy floats) enter shallower depth in	TVALION Series represents		CARDS XX MAG. TAPE		" GL	INNING ATITUDE B. BE-	59	58	4 sc	ORTHERN
deeper depth in 'lo' space.	AT 100M	ANALOG I	RECORD TAPE	CODE	IG:	NNING NGITUDE	147	48		ESTERN
20. ANALYSIS PRODUCTS GENERATED (e.g.,		s time producesive	<u> </u>	<u> </u>			L			-
, · -	plots, etc.)	s time, progressive	21. ANALYSIS PRODI	UCTS PLANNED						
	PART III (Fill out this	s section only if no	other documentation is	forwarded with fe	orm)	-		-		
22. PERTINENT PUBLICATIONS (List publications)										
mentation data reduction and processing,			nventoried.							
23. INSTRUMENTATION REMARKS (Specify any product, major routine manufacturing feature or other comments helpful in data interpre	res, operation failures duri		24. DATA REDUCTIO vidual observati binary, etc.) and	ON AND PROCESSII ions of processed d other pertinent	l data, storage	codes of	briefly the processed	time i data (interva BCD, i	of indi- EBCDIC,
NO MODIFICATIONS										
25. DATA EDIT CRITERIA REMARKS (List crituse for analysis; e.g. constant errors (time lations, purging of undesirable frequencies)	eria applied in editing data e or other) applied, depth c s, etc.)	to the point of their orrections, interpo	26. GENERAL REMAR reported)	RKS (Enter any ot	her comments	useful in	interpreta	tion an	d use o	of data

FIRST 54 RECORAS OF METER
C15CM00441 3132 MFTFR 3132 1
015CM00441 3132 2 015CM00441 3132 3
0150000441 3132 4
015CM00441 31321. DATA QUALITY IS FXCELLENT. #4584 5
- 015CHOOKAL 3132INTERPOLATED VALUES NEEDED
015CM00441 3132 7 015CM00441 3132 8
015CM00441 3132COMVERSION FOUNTIONS OBTAINED FROM NRC 9
015CN00441 3132C CALIBRATION 10
015CM00441 3132INFORMATION DATED JANUARY 1978. 11
015CM00441 3132 12 015CM00441 3132 13
C15CM00441 3132
915CM09441 3132 TEMP=-2.468 + 2.2736F-2*R2 - 1.2 15
015CM00441 313248F-6*R2**2 +
015CM00441 3132 1.866F-9*R2**3 17
0.15CM0.0441 3132 COND=(7.540F-2*R3 + 0.02) 19
015CM00441 3132 20
015CM00441 3132 DEPTH= (0.5624*4 - 28.5)/1.458 21
- 015CM00441 3132 - 22 - 22
015CM00441 3132
015CM00441 3132 SPEED= (2.8*P6) /SAMPLING INTERVAL 25
-15CM00441 3132 + 1.5 -26
015CM00441 3132 27
015CM00441 3132 28 015CM00441 3132 NOTF 29
015CM00441 3132 NOTF 29 015CM00441 3132 30
015CM00441 3132 CONDUCTIVITY FIELD IN DETAIL R 31
015CM00441 3132FCORD CONTAINS 32
015CM00441 3132 SALTNITY IN PARTS/THOUSAND. 33
015CM00441 3132 AS PART OF THE DDF. 36
↑ 015CM00441 3132 37
015CM00441 3132 38
015CM00443 313278 429 029 0 1399 1554 4875 10273217 2
0.15CM 0.04 A 3.313 278 429 0.59 0.10 13 1257 4875 1.03 53217 3.00
015CM00443 313278 429 129 0 796 976 4830 10353221 4
015CM00443 313278 429 159 0 208 920 4853 10353219 5 015CM00443 313278 429 229 0 125 689 4853 10353219 6
015CM00443 313278 429 229 0 125 689 4853 10353219 6 015CM00443 313278 429 259 0 -433 258 4740 10353212 7
0150400443 313278 429 329 0 -477 276 4898 10383223 8
015CM00443 313278 429 359 0 -505° -443 4763 10383210 9
015CM00443 313278 429 429 0 -671 -282 4808 10383214 10

1. ACCESSION NUMBER 07 CMO045 FILE NAME: IMCURFIL	NOAA FORM	177	NT-ME		NATIONAL INDEX FORM RFACE CURREN	OCEANIC AND AT		DMINISTRA	TION FC	M.B. N	PPROV 10. 41- S - AU	R2689	
				PAR				1				-	
2. NAME OF INSTITUTION HOLDING			CODE	3. ARCHIVE REF.	NO. 4. PLATFORM	NAME OR DESIGN	IATOR	CODE	5. CRUI	SE OR	SURVEY	PER	100
INSTITUTE OF MARINE S 6. COUNTRY OF INSTITUTION HOLD	SCIENCE,	UNIV OF AK	CODE	*7. PLATFORM T	PE (Check one)		IOTHER (Spe	cifu)	├ ───	\neg		—т	
	JING DATA		CODE	SHIP	BUOY	AIRCRAFT	!	cny)]	Y	EAR N	10. [DAY
USA		ATA BROCESSING	11150	ł <u> </u>		WINGED	1		5A. BE-	1	}		
8. NAME OF PERSON TO CONTACT			, INFU.	DRIFTING			į		GINNING		78	4	24
Cydney Hansen, Inst.				ANCHORED	DRIFTING	HELICOPTER	COD	E	5B.	_ _			
8A. ADDRESS - STREET OR POST	OFFICE BO	X NUMBER		UNDERWAY	E ISLAND THE	ED STRUCTURES	į	_	ENDING	1:	978	9	21
University of Alaska	STATE	ZIP CODE/	COUNTRY			TOR			 			!-	
	Alaska	99701			XPEDITION DESIGNA		project or ex	pedition					
Fairbanks 8B. AREA CODE	NUMBER		USA	designator of w	nich survey was a pa	art. Examples: I	GOSS, CICAR	, CIM,	GA	SS (C	CSEAP)	
TELEPHONE 907	479-78:	36		CINECA, etc.	f survey was primar oject or expedition o	ily a national or l	local cooperat	ive en-	1				
1 207	413-10 .	<u> </u>			RT II	acsignator assign	eu.					,	
10. INSTRUMENT USED TO COLLEC	T DATA	10A. MODEL NO	CODE	+12. OBSERVATION	TYPE (Check one)	OTHER (Spec	ify)		14. US/	BLE	RECORD	S	
Aanderaa Meters		RCM4	1	ONE INST	NTANEOUS RECORD				YE	AR	MONTH	DA	Y
*11. INSTRUMENT TYPE (Check one	e) '	OTHER (Specify)		AVERAGE	OF SEVERAL	CODE	E	14A. BEGI	N- 19 7	_			
X CURRENT METER NEUT. BL	JOY. FLOAT			ANALOG F	OF SEVERAL NEOUS RECORDS ECORD	1		NING DATE		8	4	29	9
l · · <u></u>	ALL DEVICE			13. ARE DATA PRO	CESSED? 13A. IF	NO, WHEN PLAN	NED?	14B. END-	.]	_	•	1 ~	,
	i			[X] YES	NO MONTH	YEAR		ING DATE	19 7	8	9	20	,
15. TEN_DEGREE S	QUARE, SUBS	SQUARES		16. ARE DATA EDI	TED? (Check one)		L	17. LOCAT	TION OF C	URRE			
15A. 10° 15B. 5°		15C. 1"		<u> </u>		YES	NO		DEGREES	MIN.	SEC.	ie app	prop.)
18. OBSERVATION DEPTH (Meters) were taken in "From" space.	If the observ	ation series repr	esents	1	E MEDIUM (Check or Cards 反文 Mag. Tai	7	**	17A. BE- GINNING LATITUDE	59	58		OUT	
a depth range (such as obtained buoyancy floats) enter shallow deeper depth in "To" space.	er depth in "	From' space an	d d		13.23 · ·	COD	 -	178. BE-	 			EAST	FRN
	18B. 🖚	AT 200M		ANALOG F	ECORD [PAP. TAI		1,1	GINNING LONGIT UDE	147	48		WEST	
20. ANALYSIS PRODUCTS GENERAT			, speed vs	time, progressive	as ANALYSIS BBS	SUCTE DI ANNED							
		olots, etc.)			21. ANALYSIS PRO	DUCIS PLANNED							
	_	PART III (Fi	ll out this	section only if no	ther documentation	is forwarded with	form)						
22. PERTINENT PUBLICATIONS (List mentation data reduction and page 1)	-	ons containing ar	y docume	ntation on instru-				_					
23. INSTRUMENTATION REMARKS (S	pecify any r	major modification	ns to man	ufacturer's original	24. DATA REDUCT	ION AND PROCES	SING REMARKS	Describe	briefly th	e tim	e interv	al of	indi_
product, major routine manufact	uring feature	es, operation fail	ures durin	g data collection,	vidual observa	ations of process	ed data, storaj	ge codes o	processe	d dat	BCD,	EBC	DIC,
or other comments helpful in da	ta interpreta	tion.)			binary, etc.) a	and other pertinen	t processing i	actors)					
NO MODIFICATIONS													
MO MODIFICATIONS													•
25. DATA EDIT CRITERIA REMARKS use for analysis; e.g. constant lations, purging of undesirable	(List criter errors (time frequencies,	ia applied in edit or other) applied etc.)	ing data t , depth co	o the point of their rrections, interpo-	26. GENERAL REM reported)	ARKS (Enter any	other comment	s useful in	interpret	ation	and use	of da	ta
													J
		•]

FIRST 50 RECORDS OF METER
015CM00451 3133 MFTER 3133 1
015CM00451 3133 3
015CM00451 3133 4 0ATA DHALTTY IS EXCELLENT. NO IN 5
015CM00451 31331. DATA QUALITY IS EXCELLENT. NO IN 5
015CM00451 3133 7
015CM00451 3133 8 015CM00451 3133COUVERSION FOUATIONS OBTAINED FROM NPC 9
015CM00451 3133C CALIBRATION 10 10 10 10 10 10 10 10 10 10 10 10 10
015CM00451 3133TNFORMATION DATED JANUARY 1978. 11
015CM00451 3133 12 015CM00451 3133 13
0150400451 3133
015CM00451 3133 TEMP=-2.548 + 2.3158F-2*R2 - 2.2 15 015CM00451 313326F-6*R2**2 + 16
015CM00451 3133 2.487F-9 * R2**3 17
015CM00451 3133
015CM00451 3133 DEPTH=(0.5439*R4 - 28.4)/1.458 21
0150400451 3133
015CM00451 3133TON 24
015CM00451 3133 SPFFD=(2.8*R6)/SAMPLING INTERVAL 25
015CM00451 3133 28
015CM00451 3133 NOTF 29
DISCMODASI 3:33 CONDUCTIVITY FIELD IN DETAIL R 31
015CM00451 3133FCORD CONTAINS 32 015CM00451 3133 SALINITY IN PARTS/THOUSAND. 33
015CM00451 3133 THE CONVERSION 34
015CM00451 3133 FOUATIONS USED WERE INCLUDED 35
015CM00451 3133 AS PART OF THE DDF. 36 015CM00451 3133 37
015CM00452 3133595819N1474859W 240 200 1C1 25M5-B 6954 015CM00453 313378 429 010 0 1682 2778 5256 20063271 1
015CM00453 313378 429 040 0 1401 2553 5256 20093271 2
<u> </u>
การcMon453 313378 429 210 0 657 1807 5233 20133273 5
015CM00453 313378 429 240 0 416 1376 5233 20133264 6 6 15CM00453 313378 429 310 0 33 839 5233 20133264 7
015CM00453 313378 429 340 0 -192 374 5211 20133267 8
015CM00453 313378 429 410 0 -286 - <u>1</u> 77 5188 2013326 <u>9</u> 9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$

79-0207

DATA DOCUMENTATION FORM

TR4178

NOAA FORM 24-13 (4-77) U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
WASHINGTON, DC 20235

FORM APPROVED O.M.B. No. 41-R2651 EXPIRES 1-81

(While you are not required to use this form, it is the most desirable mechanism for providing the required ancillary information enabling the NODC and users to obtain the greatest benefit from your data.)

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.

handwritten submission	is are acceptable in all	cases. All	uata snipments s. 	nould be sent to	the above addr	ess.
	A. ORIC	GINATOR	IDENTIFICATI	ION	·	
THIS SECTION MUST BE COMP	LETED BY DONOR	FOR ALL D	ATA TRANSMIT	TALS		
1. NAME AND ADDRESS OF IN	ISTITUTION, LABOR	ATORY, OF	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	RE ASSOCIATED
IMS	>					:
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		IBER(S) USED I	BY ORIGINATOR	TO IDENTIFY
RU289	0.	15	CM	0046		!
4. PLATFORM NAME(S)	5. PLATFORM TYPI (E.G., SHIP, BUO		6. PLATFORM A			TES
			PLATFORM	OPERATOR	FROM: MODAY/YE	TO: MO/DAY/YR
			;			
8. ARE DATA PROPRIETARY	?		E DARKEN ALL			
NO TYES		CONT	AINED IN YOUR	SUBMISSION W	ERE COLLECTI	ED.
IF YES, WHEN CAN TH			7 70	GENERAL AF	REA	
9. ARE DATA DECLARED NA PROGRAM (DNP)?	TIONAL	100* 120* 1	40" 160" 160" 160" 140"	120" 100" 60" 60"	40. 20. 0. 20.	40° 80° 80° 100°
(I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS		770			23288	200 270
TIONAL EXCHANGE?)		80-	237	191 122	217253	248 749 243
NO YES PAR	T (SPECIFY BELOW)	170	165 160	195	145 130	212 207
		134 142	129 124 1093 1068	119 110		140 135
10. PERSON TO WHOM INQUIRED DATA SHOULD BE ADDRESS PHONE NUMBER (AND ADDITION IN ITEM-I)	SSED WITH TELE- DRESS IF OTHER	40° 469 469 541 5777	057 052 052 054 056 056 056 056 056 056 056 056 056 056	047 048 050 050 050 050 050 050 050 050 050 05	037 072 101 036 300 339 339 371 (372 407 408 440 444 479 5 480 515 5 18551	099 20° 003 003 00° 013 302 0° 013 302 0° 013 302 20° 013 342 20° 013 345 40° 015 470 506 60° 547 528 578
		100* 120* 1	40" 100" 180" 100" 140	• 120° 100° 80° 60°	40. 20. 0. 20.	40. 60. 60. 100.

B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

EXAMPLE (HYPOTHETICAL INFORMATION)

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	Tor	Nansen bottles	Inductive salinometer (Hytech model \$510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison . with Forel bottles	N/A	N/A
Sediment size	\$\phi\$ units and percent by weight	Ewing corer	Standard sieves Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk 165

(SPACE IS PROVIDED ON THE FOLLOWING TWO PAGES FOR THIS INFORMATION)



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 `
				•

B. SCIENTIFIC CONTENT

AME 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
·	, - -			
	3			
				·
	•	·	•	,
A FOR				

C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

- 1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
 - 2. Describe briefly how your file is organized.
 - 3-13. Self-explanatory.
 - 14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity.
 - 15. Enter starting position of the field.
- 16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
- 17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
- 18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

C. DATA FORMAT

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

1. LIST RECORD TYPES			L OF YOUR FILE
2. GIVE BRIEF DESCRIF	TION OF FIL	E ORGANIZATION	
	·		
3. ATTRIBUTES AS EXP	RESSED IN	PL-1	ALGOL COBOL
		FORTRAN	LANGUAGE
4. RESPONSIBLE COMP	UTER SPECIA	LIST:	
	PHONE NUME		
		ATA ARE ON MAGNE	TIC TAPE
5 RECORDING MODE		BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
		EBCDIC	
			10. END OF FILE MARK
6. NUMBER OF TRACKS (CHANNELS)	SEVEN		11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
	NINE		ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
7. PARITY			
	ODD EVEN		
8. DENSITY			
		1600 BP1	12. PHYSICAL BLOCK LENGTH IN BYTES
	556 BPI		
			13. LENGTH OF BYTES IN BITS /20/4800 / NL
			10017001100

C. DATA FORMAT

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

LIPERECORD TYPES (USER TARE						
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•	•	•		•		•	
	₩ .		:	. •			
**		•		•		. •:	` .
GIVE BRIEF DESCRIP	TION OF FILE ORG	ANIŻATION	e .				•
•							
RESPONSIBLE COMPLIAND ADDRESS	TER SPECIALIST:	ORTRÁN (VOAA/		ANGUAGE NODC	-202-	6347
COMPLETE THIS S	SECTION IF DATA	ARE ON MAGNE	9. LENGT	H OF INTER-			
		BINARY	RECOF	RD GAP (IF KN	10WN) 3/4	INCH	
	<u> </u>		10. END 0	F FILE MARK	oc:	TAL 17	
5. NUMBER OF TRACKS (CHANNELS)	SEVEN	•	ORIGI	-ON-PAPER L	AND SOME LA	Y SPECIFIC	
	5			TA TYPE, VO		-	
7. PARITY	EVEN		011	139	(/, 32,) .	
3. DENSITY	200 BP1 X	1600 BPI	DSN:	= TR 4	178		
	556 BPI		12. PHYSI	CAL BLOCK L	ENGTH IN BY	TES	
	Ī		13. LENG	/	O BITS	· .	
NOAA FORM 24-13					-	USCO44-D	C 44289-P7

			sc	
TEXT RECO	ORD	ALWAYS '1'	10	
	R NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2 AND 3	11	
TEXT	•	THIRTY-EIGHT CHARACTER FIELD FOR COMMENTS OR PERTINENT INFORMATION	16	
BLAN	ık	Comments on Contract Inches	54	
SEQU	ENCE NUMBER	XXXXXX - USED FOR SORTING TEXT INFORMATION	5 5	
MASTER RE	CORD	ALWAYS '2'	10	
	R NUMBER	SEE RECORD '1'	11	
LATI	TUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDIHS	16	
LONG	I TUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23	
	H OF BOTTOM	XXXXX (WHOLE METERS)	31	
· ME	H OF CURRENT Ter	XXXXX (METERS TO TENTHS)	36	
NU	R USAGE SEQUENCE MBER	XXX - USED FOR INDICATING NUMBER OF TIMES METER HAS BEEN USED	41	
	I,TUTION	TWO-CHARACTER NODC INSTITUTION CODE - USE CODE 0218	44	
AXIS	ROTATION	XXX - DEGREES CLOCKWISE FROM TRUE NORTH OF V AXIS - VALUES SHOULD BE O WHEN FINAL PROCESSED TO PROVIDE TRUE DIRECTION INFORMATION	46	
LOCA	TION NAME	SIX-CHARACTER NAME DETERMINED BY . ORIGINATOR	49	
RE	ER OF CETAIL CORDS	XXXXXX - USED TO INDICATE NUMBER OF DETAIL RECORDS (3) TO FOLLOW THE MASTER RECORD (2)	55	
DETAIL REG	CORD 1 /	ALWAYS '3'	10	
	R NUMBER	SEE RECORD '1'	11	
	(GMT)	YYMMYD	16	
	(GMT)	XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22	
•	-WEST CURRENT	XXXXXX - CM/SEC TO HUNDREDTHS WITH	28	
COA	•	POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN		

NORTH-SOUTH CU COMPONENT (V		XXXXXX - CM/SEC TO HUNDREDTHS WITH POSITIVE DIRECTIONS (EAST AND NORTH) INDICATED WITHOUT PLUS SIGN - NEGATIVE DIRECTIONS (WEST AND SOUTH) PRECEDED BY MINUS SIGN	34
TEMPERATURE		XXXXX WITH NEGATIVE TEMPERATURES PRECEDED BY MINUS SIGN (DEG C TO THOUSANDTHS)	40
PRESSURE		XXXXX (DECIBARS TO TENTHS)	45
CONDUCTIVITY		. ,	50
BLANK			54
SEQUENCE NUMBE	R	XXXXXX - USED FOR SORTING DATA RECORDS	55
		ORIGINATOR	_
DETAIL RECORD 2		ALWAYS '4'	10
METER NUMBER		SEE RECORD '1'	11
DATE (GMT)		YYMMOD	16
TIME (GMT)		XXXXXX (HOURS, MINUTES TO HUNDREDTHS)	22
EAST-WEST CURR	ENT	XXXXXX - CM/SEC TO HUNDREDTHS WITH	28
COMPONENT (U)	POSITIVE DIRECTIONS (EAST AND NORTH)	
		INDICATED WITHOUT PLUS SIGN - NEGATIVE	
•		DIRECTIONS (WEST AND SOUTH) PRECEDED	
		BY MINUS SIGN	
NORTH-SOUTH CU	RRENT	XXXXXX - CM/SEC TO HUNDREDTHS WITH	34
COMPONENT (V) .	POSITIVE DIRECTIONS (EAST AND NORTH)	
		INDICATED WITHOUT PLUS SIGN - NEGATIVE	
		DIRECTIONS (WEST AND SOUTH) PRECEDED	
		BY MINUS SIGN	
TEMPERATURE	•		10
		PRECEDED BY MINUS SIGN (DEG C TO	
		THOUSANDTHS)	
PRESSURE			45
SALINITY		XXXXX PARTS PER THOUSAND TO HUNDREDTHS !	
SEQUENCE NUMBER	₹	XXXXXX - USED FOR SORTING DATA RECORDS 5	55

RECORD NAME 15. POSITION 16. LENGTH 17. ATTRIBUTES 18. USE AND MEANING FROM-1 MEASURED FIELD NAME NUMBER UNITS (e.g., bits, bytes)

RECORD NAME ____ 15. POSITION 16. LENGTH FROM - 1 MEASURED 14. FIELD NAME 17. ATTRIBUTES 18. USE AND MEANING NUMBER UNITS (e.g., bits, bytes)

. RECORD NAME_ 15. POSITION 16. LENGTH FROM-1 MEASURED 14. FIELD NAME 17. ATTRIBUTES 18. USE AND MEANING IN_ NUMBER UNITS (e.g., bita, bytea)

NOAA FORM 24-18

RECORD NAME										
14. FIELD NAME	FROM - 1 MEASURED			17. ATTRIBUTES	18. USE AND MEANING					
	(e.g., bits, bytes)	NUMBER	UNITS							
		i i								
				1						
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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 ("\(\subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq \subseteq

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS	CALIBRATED BY	CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRU- MENT IS
		YOUR ORGANIZATION	OTHER ORGANIZATION (GIVE NAME)	AT FIXED	BEFORE OR AFTER USE	BEFORE AND After USE	ONLY AFTER REPAIR	ONLY WHEN NEW	NOT CALI- Brated
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NOAA FORM 24-13				l <u></u>	•			L	

													
1. ACCESSION NUMBER	NOAA FOR (10-72)	M 44-9			NATIONAL O	U. S. CEANIC AND AT	DEPARTMENT	OF COMME	RCE /	FORM A	APPRO	VED	
19-0201	TR4	175		NODC	INDEX FORM				1	O.M.B.			39
CHOO4 GILE NAME:		/ / / D No instrince	NT ME		RFACE CURRENT	CORCEDUAT	HIN SHOL	יכט/	F	EXPIRE	ES - A	UGUS:	T 1977
J. J. J. J. J. MCOKFIE		JK INSTRUME	14 1 — IA E	PAF		OBJERVAL	10113 (111m	300,					
	DATA		CODE	3. ARCHIVE REF		LAME OR DESIGN	ATOR	CODE					
2. NAME OF INSTITUTION HOLDING		IDITU OF AV		3. ARCHIVE KET	NO. 4. PLAIFURM N	IAME OR DESIGN	AIUK	CODE	5. CRI	UISE OF	R SURVEY PERIOD		
INSTITUTE OF MARINE :		UNIV OF AK	CODE	*7. PLATFORM T	YPE (Check one)		OTHER (Spe	cify)	\vdash			-	
USA				SHIP	BUOY	AIRCRAFT	1	••	Į.	۱ ۱	YEAR	мо.	DAY
8. NAME OF PERSON TO CONTACT	FOR FULL D	DATA PROCESSING	INFO.	DRIFTING		INGED	1		SA. BI	E-		 	
Cydney Hansen, Inst.				ANCHORED		ELICOPTER	1		GINNI	NG 1	¹⁹ 78	ΙΔ.	24
8A. ADDRESS - STREET OR POST				UNDERWAY			COD	E	5B.			1	
University of Alaska		A NUMBER			E ISLAND FIXED	STRUCTURES	l t		ENDIN	1G	1978	9	21
	STATE	ZIP CODE/	COUNTRY	9. PROJECT OR E	XPEDITION DESIGNAT							·	
Fairbanks	Alaska	1			e, record the internation		project or ex	pedition	ĺ				
	NUMBER	1 221 23	<u> </u>	designator of w	hich survey was a part	Examples: I	GOSS, CICAR	, CIM,	(GASS (OCSE/	AP)	•
TELEPHONE 907	479-	7836		CINECA, etc.	If survey was primarily roject or expedition de	y a national or l	ocal cooperat	ive en—					
					RT II	Signator assign	<u></u>						
10. INSTRUMENT USED TO COLLEC	T DATA	10A. MODEL NO	CODE	+12. OBSERVATIO	TYPE (Check one)	OTHER (Speci	(y)		14. U	JSABLE	RECOI	RDS	
Aanderaa Meters		RCM4		i <u></u>	ANTANEOUS RECORD	i ,	1		Y	YEAR	MONT	гн Б	AY
*11. INSTRUMENT TYPE (Check one							14A. BEGI	N- 10					
XX CURRENT METER NEUT. BUOY. FLOAT				INST ANT	AVERAGE OF SEVERAL CODE INSTANTANEOUS RECORDS ANALOG RECORD					78	4	2	29
	ALL DEVICE	•		13. ARE DATA PR	CESSED? 13A. IF NO	O, WHEN PLAN	NED?	14B. END-					
) 		X YES	NO MONTH	YEAR		ING DATE	19	, 78	9	2	20
15. TEN-DEGREE S	QUARE, SUB	SQUARES		16. ARE DATA ED				17. LOCAT	TION OF	CURRI	ENT ME		
15A. 10° 15B. 5°		15C. 1"		1		YES .	NO		DEGRE	ES MIN.	. SEC.	HEM.	(Cir- oprop.)
18. OBSERVATION DEPTH (Meters) were taken in 'From' space.	- Record d	epth at which obs	ervations	*19. DATA STORAG	E MEDIUM (Check one	OTHER (Spec	ify)	17A. BE- GINNING		F-0	1.	NORT	HERN
a depth range (such as obtained buoyancy floats) enter shallowed	mith tree-	fall devices or ne	eutral	PUNCHED	CARDS XX MAG. TAPE	, r 		LATITUDE	59	58	4	SOUT	HERN
deeper depth in "To" space.	er depth in '	'From' space an	d 	<u> </u>		. CODI	E	17B. BE- GINNING	147	40	ا	EAS	TERN
	18B. 🖜	AT 225M		ANALOG	RECORD TAPE	<u> </u>		LONGITUDE	147	48	8	WES	TERN
20. ANALYSIS PRODUCTS GENERAT		=	, speed v	s time, progressive	21. ANALYSIS PROD	UCTS PLANNED							
	vector	piots, etc.)											
					<u></u>	 							
<u> </u>					other documentation is	forwarded with	form)						
22. PERTINENT PUBLICATIONS (Li	_	_	-		nventoried								
23. INSTRUMENTATION REMARKS (S						N AND BROCES	INC DEMARK	Describe	heiafly	the tir	ne inte	rval of	indi
product, major routine manufact	uring feature	es, operation fail	ures durin	g data collection,	vidual observati	ions of processe	ed data, stora	ge codes o	f proces	sed da	ta (BC)	D, EB	CDIC,
or other comments helpful in da	ta interpreta	ition.)			binary, etc.) and	d other pertinent	t processing l	actors)					
NO MODIFICATIONS	2												
NO MODIFICATION.	3										_		
25. DATA EDIT CRITERIA REMARKS	(List criter	ria applied in edi	ting data	o the point of their	26. GENERAL REMAR	KS (Fnter any (other comment	s useful in	interor		and us	se of d	lata
use for analysis; e.g. constant	errors (time	or other) applied	, depth co	prections, interpo-	reported)	(NJ (Emer any	mer carament	o docidi iii		0.0			
lations, purging of undesirable	equencies	, a .c.,											
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FIRST 50 RECORDS OF METER
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015CM00461 3134
015CM00461 31341. DATA QUALITY, IS FXCELLENT. NO INT
015CM00461 3134FRPOLATED VALUES 6
015CM00461 3134 8
015CM00461 3134CONVERSION FOUATIONS OBTAINED FROM NRC. 9
015CM00461 3134C CALIBRATION 1075
015CM00441 3134 INFORMATION DATED JANUARY 1978. 11 12 12 12 13 14 15 15 16 17 17 18 18 18 18 18 18
015CM00441 3134 13
<u>015C400441 3134</u> 14
015CM00461 3134 TEMP=-2.512 + 2.2983F-2*R2 - 1.8 15
015CM00461 313476F-6*R2**2 **
015CM00461 3134 18
0.150000461 3134
015CM00461 3134 20 015CM00461 3134 DEPTH=(0.5455*R4 = 33.6)/1.458 21
015CM00461 3134 DEPTH=(0.5455*R4 = 33.6)/1.458 21
015CM00461 3134 DIR= 0.3468 * R5 + 1.3 + DECLINA 1 23
015CM00461 3134TION 24
015CM00461 3134 SPFFD=/2.8*R6)/SAMPLING INTERVAL 25
015CM00441 3134 + 1-5 015CM00461 3134 27
015CM00461 3134 28
015CM00461 3134 NOTE 29
015CM00441 3134 CONDUCTIVITY ELELD IN DETAIL R 31
015CM00461 3134FCORD CONTAINS 144 14 14 14 14 14 14 14 14 14 14 14 14
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015CM00461 3134 AS PART OF THE DDF. 36
0150400461 3134 37
015CM00441-3134 015CM00462-3134595819N1474859W-240-225-1C1-25MS-B 6954
015CM00463 313478 429 030 0 1617 2676 5264 22273243 1 1
015CM00463 313478 429 1 0 0 1292 2357 5242 22313245
015CM00443 313478 429 130 0 1072 2104 5242 22353245 3 015CM00443 313478 429 2 0 0 436 1930 5242 22383245 4
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015CM00463 313478 429 4 0 0 -592 277 5219 22463239 8 015CM00463 313478 429 430 0 -806 99 5219 22463239 9
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FIRST 50 RECORDS OF METER

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	• •	INSTRUMENT WAS	INSTRUMENT WAS CALIBRATED BY		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 (\(\frac{1}{2} \)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW	IS NOT CALI- BRATED
AANDERAA RCM-4 3135	JANUARY 1978		NRCC	~	,				
AANDERAA RCM-4 3131	JANUARY 1978		NRCC .	V					
AANDERAA RCM-4 3132	JANUARY 1978		NRCC	V	·				
AANDERAA RCM-4 3133	JANUARY 1978		NRCC-	1					,
AANDERAA RCM-4 3134	JANUARY 1978		NRCC	V					
						٠			

	Accession # 79-0207								
Step	Completion Date	Init.	Tape #,	d of Files.	BLKSIZE,	LRECL			
. Originator Tape #	6-25-79	900	ANDY56	. /	4800	60			
ΘϤΑΣΙ . Duplicate Tape #	7-10-79	SOE	012974		4800	60			
. DDF Evaluation									
. Quality Review									
. Preliminary Data Sort			1						
. Preliminary Check	7-20-79	CES	01677	4 /	4800	60			
. First User Tape #	10-02-79			1	4888	60			
. Final User Tape #				-	7				
. Final Check	10-02-79	08	1/139	. /	4850	66			
O. NAPIS Inventory	16-11-79	23	11139	1	4800	60			
1. DIP Inventory	16-22-79	288	111.39	1	4800	66			
12. Data Ser 'Finalized'					7000	100			

	Accession # 19-0201								
Step	Completion Date	Init.	Tape #,	d of Files	BLKSIZE,	LRECL			
Originator Tape #	6-25-79	SOO	ANDV/55	2	4800	60			
QuADI Duplicate Tape #	7-10-79	0	013117	2	4800	60			
DDF Evaluation		U							
. Quality Review	7-16-79	MRL			<u> </u>	·			
. Preliminary Data Sort									
. Preliminary Check	7-17-79	MRL	013117	·					
. First User Tape #	10-02-79	1	09414	1	4800	60			
. Final User Tape #						\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
. Final Check	18-02-79	298	09414	1	4800	60			
O. NAPIS Inventory	10-11-79	08	07414	,	480	+			
1. DIP Inventory	10-02-79	047	09414	1	4810	60			
2. Data Set 'Finalized'			7	<u> </u>	7.000	100			

#2 013350
#2 013350
#3 6491 (C4208)
60/4800, FOIS

4049-4052,
TR 4072-4075, 4174-4178, 4445, 4516-4529, 4814-4816

193,029
80,685

59,039

arunin nu. 79-0207

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7900207	F015	TR4174	0081	31I7	317F	1978/04/24	CM0042	309505
7900207						1978/04/24		309506
7900207						1978/04/24		309507
7900207						1978/04/24		309508
7900207	F015	TR4178	0081	3117	317F	1978/04/24	CM0046	309509

(5 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7900207	F015	TR4174	317F	6	7004	78/04/24	78/09/21
7900207	F015	TR4175	317F	6	6999	78/04/24	78/09/21
7900207	F015	TR4176	317F	6	6993	78/04/24	78/09/21
7900207	F015	TR4177	317F	6	6993	78/04/24	78/09/21
7900207	F015	TR4178	317F	6	6993	78/04/24	78/09/21

(5 rows affected)