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DATA DOCUMENTATION FORM

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

TT1465 - TT1483

(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	IDENTIFICAT	ION	7.8-	101
THIS SECTION MUST BE COMP	LETED BY DONOR F	OR ALL	ATA TRANSMIT	TALS	. •	
1. NAME AND ADDRESS OF IN	STITUTION, LABOR	ATORY, OF	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AF	RE ASSOCIATED
	DAA th Avenue N.E. Washington 981	05				. •
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		BER(S) USED E	Y ORIGINATOR	TO IDENTIFY
PSERP MES	SA	·		= MESA	~ .	
						•
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A		7. DA	TES
	· BUOY		PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR
MESY √			U.S.	U.S.	6 119177	8/3/77
B. ARE DATA PROPRIETARY X NO YES IF YES, WHEN CAN TH			SE DARKEN ALI AINED IN YOUR		ERE COLLECTI	
FOR GENERAL USE! 9. ARE DATA DECLARED NA	YEARMONTH			- OLIVERAL AN		
PROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDING TIONAL EXCHANGE?)	ICLUDED IN WORLD S FOR INTERNA- T (SPECIFY BELOW)	278 245 246 270 270 270 270 270 270 270 270 270 270	140° 180°	120° 100° 80° 80° 80° 80° 80° 80° 80° 80° 80°	145 (re) 100 (34) 0173 (05) 077 (072)	207 100° 284 7 279 285 7 207 286 121 207 207 207 207 207 207 207 207 207 207
PHONE NUMBER (AND ADER THAN IN ITEM-1) Mr. Pat Laird (206) 442 7450	SSED WITH TELE-	8° 300 307 48° 400 507 517	02 016	011 500 316 500 382 322 377 418 60 454 454 454 450 455 520 551	300 135 336 371 (32 207) 3 22 207) 3 20 443 4 244 479 5 , 480 515	0.2 (27) 311 (32) 307 (382) 403 (392) 403 (392) 414 40° 457 (470) 511 (50) 547 (50) 547 (50) 547 (50) 548 (50) 558 (50) 569 (50) 578

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
SPEED U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	n n	п
TEMPERATURE	°c	п .	ıı	n .
CONDUCTIVITY	⁰ /00	ti	п	II
PRESSURE	DECIBARS	n ·	ıı .	n
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C. DATA FORMAI

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

LIST RECORD TYPES CONTAINED IN THE TRANSMITT GIVE METHOD OF IDENTIFYING EACH RECORD TYPE	
Three (3) record types, text record and detail record (3), differential	rd (1), meter master record (2), ated by byte 10.
•	
GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
	·
·	
	·
RESPONSIBLE COMPUTER SPECIALIST: NAME AND PHONE NUMBER Donna McC	ampbell (206) 543 2007 University of Washington, Seattle, Wa. 981
Address Dept. 01 Oceanography,	oniversity of washington, Seattle, wa. 301
COMPLETE THIS SECTION IF DATA ARE ON MAGN	10 LENGTH OF INTER-
X BCD BINARY	RECORD GAP (IF KNOWN) X 3/4 INCH
ASCII EBCDIC	10. END OF FILE MARK
NUMBER OF TRACKS	
(CHANNELS) SEVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
U.	OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA
PARITY	6/19/77 8/3/77
Ŭ ODD ☐X EVEN	8/3/77
DENSITY	File # 1 File id = MESA N
200 BPI 1600 BPI 556 BPI	7 TRACK, BCD, 800 BPI, EVEN PARITY 12. PHYSICAL BLOCK LENGTH IN BYTES
X 800 BPI	3600 bytes
	6 bits

NO AA FORM 24-13

C. DATA FORMAT

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

LIST RECORD TYPES				USER	TAPE
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2. GIVE BRIEF DESCRI	PTION OF FIL	E ORGANIZATIO	<u> </u>		
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3. ATTRIBUTES AS EXF	PRESSED IN	PL-1 FORTRAN	ALGOL C	DBOL LANGUAGE	
ADDRESS	PHONE NUME	DYJON	7- NOAA /FI DC 2623	S/NODC-	2026347
5. RECORDING MODE			9. LENGTH OF IN	TER-	
	BCD	BINARY	RECORD GAP	F KNOWN) 3/4 INC	н
	ASCII	EBCDIC	10. END OF FILE M	IARK	
6. NUMBER OF TRACK				OCTAL	17
(CHANNELS)	SEVEN	•	LA BACTE ON BAD	ER LABEL DESCRIPTION	ON CINCLUDE
	NINE		ORIGINATOR N.	AME AND SOME LAY SF VOLUME NUMBER)	PECIFICATIONS
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7. PARITY	ODD		105	315 (/	521
B. DENSITY				- 1000.	_
	200 BPI	1600 BPI	JED N =	- TX244	<u> </u>
·	556 BPI		12. PHYSICAL BLO	CK LENGTH IN BYTES	
•	800 BPI		13. LENGTH OF BY	TES IN BITS	
		<u></u> -		60	
NOAA FORM 24-13				Us	COMM-DC 44289-P72

CURRENT METER
RECORD FORMAT DESCRIPTION =

RECORD NAME TEXT RECORD (OPTIONAL)

Date: 10/15/75

SECOND NAME			-,	·	Ducc. 70/13/73
14, FIELD NAME	15. POSITION	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED				
	IN <u>Bytes</u>	NUMBER	UNITS		·
<u> </u>	(e.g., bits, bytes)	NUMBER	UNITS		
File Type	۱ ا	3	Bytes	АЗ	Always '015'
File Identifica-	•	. •	5 5 5 5		
tion	4	6		_	MESA N
Record Type	10	ĭ		11	Always 'l'
Meter Number	iĭ	5			Analogous to NODC Station Num
Text	16	38	11	38A1	Additional pertinent informati
Blank	54	ľĭ		1X·	
Sequence Number	55	6	15	16	Ascending numeric, used for
ocquence named			Ì]	sorting
					30.015
MET	R MASTER	 RECORD	(REOU	IRED)	
]	`		
File Type	ו	3	Bytes	A3	Always '015'
File Identifica-	_			1	
tion	. 4 .	6	n	i	
Record Type	10	1	l n	11	Always '2'
Meter Number	11	5	11		Analogous to NODC Station Nur
Latitude,					
Degrees	16	2	11	12	
Minutes	18	2	"	I2 I2	
Hundredths of			l		
minutes	20	2	" II	12	
Hemisphere	22	1		A1	'N' or 'S'
Longi tude,			Į.		
Degrees	23	3	11	13	
Minutes ,	26	2	11	12	
Hundredths of			l		•
minutes	28	2	"	I2 ·	
Hemisphere	30	1	, "	ĀĪ ·	'E' or 'W'
Depth to bottom	31	5	n	15	Whole meters
Depth of current] -		1 .		
meter	. 36	5		15	To tenths of a meter
Meter Usage		1	1	l ·	Number of times meter has be
Sequence Number	41	3	1 "	13	used.
Institution Code	- 44	2	1 11	A2	NODC Institution Code
Axis Rotation	46.	3	10	13	In whole degrees clockwise f
	}			}	true north of V axis
Location Name	49	6	90 •	A6	OCSEP internal location code
ilumber of detail		• •	1	1	Toolina, rocation code
records	55	6	h	16	Number of type '3' records
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CURRENT METER RECORD FORMAT DESCRIPTION

RECORD NAME DETAIL RECORD (REQUIRED)

Date: 10/15/

14. FIELD NAME	- FR0.4			17. ATTRIBUTES	8. USE AND MEANING		
	MEASURED IN BY TES (o.g., bits, bytes)	NUMBER	UNITS				
File Type	1	.3	Bytes	А3	Always '015'		
File Identifica-			-		MESA N		
tion	4	6	,,	77	,		
Record Type Meter Number	10 11	1. 5	11	11	Always '3'		
Year	16	2	11	12	Analogous to NODC Station Last two digits of years)		
Month	18	2	11	Ĭ2	1-12		
Day	20	2	"	Ī2	11-31		
Time,	i				. }		
Hour	22	2	11	I2	0-23		
Minute	· 24	2	"	12	0-59		
Hundredth of minute	26	,		70)		
East-West (u)	28	2 6	"	I2 I6	0-99)		
Current Compone		"	į	10 .	To hundredths. Positive (and North) understood.		
North-South (v)	34	6	n	16	Negative (West and South)		
Current Compone			•		negative sign.		
Temperature	40	5	j "	15	To thousandths. Minus sig		
Duaganna	1) ₁₁		negative		
Pressure Conductivity	45 50	5	" "	15	To tenths		
Blank	54	5 1	11	14 1X	To hundredths		
Sequence Number	55	5	D	iŝ	Ascending numeric, used fo		
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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 ("\sqrt{''}) the appropriate spaces. Add the interval time (i.e., 3 months, 6 months, 9 months, etc.) if the fixed interval calibration cycle is checked.

INCT DUM		INSTRUMENT WAS CALIBRATED BY			CHECK ONE: Instrument is calibrated				
INSTRUMENT TYPE DATE OF LAST CALIBRATION		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√.)	BEFORE OR AFTER USE . (√.)	BEFORE AND AFTER USE (√.)	ONLY AFTER REPAIR (√)	ONLY WHEN ONLY	IS NOT CALI- BRATED
Aanderaa Current Meter RCM-4		х				X			
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DATA DOCUMENTATION FORM

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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

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A. ORIGINATOR IDENTIFICATION

ITED BY DONOR FO	R ALL D	ATA TRANSMIT	TALS		
ITUTION, LABORAT	ORY, OF	R ACTIVITY WIT	H WHICH SUBMI	ITTED DATA AF	E ASSOCIATED
A Avenue N.E. ashington 98105	5				
PROGRAM DURING W	VHICH			Y ORIGINATOR	TO IDENTIFY
SA				E	
			Y(IES)		res
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	A Avenue N.E. ashington 98109 PROGRAM DURING W CA PLATFORM TYPES (E.G., SHIP, BUOY, BUOY BE RELEASED AR MONTH ONAL UDED IN WORLD OR INTERNA- SPECIFY BELOW) CONCERNING ED WITH TELE- ESS IF OTHER	AVENUE N.E. ashington 98105 PROGRAM DURING WHICH A PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY BE RELEASED AR MONTH DNAL UDED IN WORLD OR INTERNA- SPECIFY BELOW) CONCERNING D WITH TELE- ESS IF OTHER 11. PLEAS CONTA 12. PLEAS CONTA 12. PLEAS CONTA 13. PLEAS CONTA 14. PLEAS CONTA 15. PLEAS CONTA 16. PLEAS CONTA 17. PLEAS CONTA 18. PLEAS CONTA 18. PLEAS CONTA 19. PLEAS CONTA	AVENUE N.E. ashington 98105 PROGRAM DURING WHICH SA File id = PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY BE RELEASED AR MONTH CONTAINED IN YOUR 11. PLEASE DARKEN ALI CONTAINED IN YOUR 11. PLEASE DARKEN ALI CONTAINED IN YOUR DNAL U.S. 11. PLEASE DARKEN ALI CONTAINED IN YOUR SPECIFY BELOW) CONCERNING DWITH TELE- ESS IF OTHER 20. 30. 30. 30. 30. 30. 30. 30. 30. 30. 3	Avenue N.E. ashington 98105 PROGRAM DURING WHICH SA File id = (Y) SA File id = (Y) SA PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY PLATFORM OPERATOR V.S. U.S. 11. PLEASE DARKEN ALL MARSDEN SO CONTAINED IN YOUR SUBMISSION WI BE RELEASED AR MONTH DNAL JUDED IN WORLD OR INTERNA- SPECIFY BELOW) CONCERNING ED WITH TELE- ESS IF OTHER TO SEE THE SEE TH	AVENUE N.E. ashington 98105 PROGRAM DURING WHICH S. CRUISE NUMBER(S) USED BY ORIGINATOR DATA IN THIS SHIPMENT File id = MESA = PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) BUOY PLATFORM OPERATOR FROM: MODOPAYYE U.S. U.S. 6 PLATFORM AND OPERATOR 7. NATIONALITY(IES) PLATFORM OPERATOR FROM: MODOPAYYE U.S. U.S. 6 PLATFORM AND OPERATOR 7. NATIONALITY(IES) PLATFORM OPERATOR FROM: MODOPAYYE U.S. U.S. 6 PLATFORM AND OPERATOR 7. NATIONALITY(IES) PLATFORM OPERATOR FROM: MODOPAYYE CONTAINED IN YOUR SUBMISSION WERE COLLECTED BE RELEASED GENERAL AREA DONAL OR INTERNA- SPECIFY BELOW) CONCERNING DISTRIBUTION IN THE LE- STS IF OTHER TO THE REST OF THE REST

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
SPEED U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	n .	ti
TEMPERATURE	°c	· u	н	11
CONDUCTIVITY	⁰ /00	n	n	· n
PRESSURE	DECIBARS	n	u	n .
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C. DATA FORMAI

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

GIVE METHOD OF ID	S CONTAINED IN THE TRANSMITT. ENTIFYING EACH RECORD TYPE	AL OF YOUR FILE
Three (3) and detail	record types, text recor I record (3), differentia	d (1), meter master record (2), ted by byte 10.
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. GIVE BRIEF DESCRI	PTION OF FILE ORGANIZATION	
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. AT TRIBUTES AS EX	PRESSED IN PL-1	_ ALGOL COBOL
. AT INIOUSES AS EX	PRESSED IN PL-1 X FORTRAN	ALGOL COBOL LANGUAGE
	X FORTRAN	LANGUAGE
. RESPONSIBLE COMP	TY FORTRAN PUTER SPECIALIST: Donna McCa	LANGUAGE Ampbell (206) 543 2007
). RESPONSIBLE COMP	TY FORTRAN PUTER SPECIALIST: Donna McCa	LANGUAGE
I. RESPONSIBLE COMF NAME AND ADDRESS	TY FORTRAN PUTER SPECIALIST: Donna McCa	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819
. RESPONSIBLE COMF NAME AND ADDRESS COMPLETE THIS	PUTER SPECIALIST: Donna McCa PHONE NUMBER Dept. of Oceanography,	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819
I. RESPONSIBLE COMF NAME AND ADDRESS COMPLETE THIS	EUTER SPECIALIST: Donna McCa Dept. of Oceanography,	LANGUAGE Ampbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 19. LENGTH OF INTER-
. RESPONSIBLE COMF NAME AND ADDRESS COMPLETE THIS	THE SPECIALIST: Donna McCa Dept. of Oceanography, SECTION IF DATA ARE ON MAGNI	LANGUAGE Ampbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 19. LENGTH OF INTER-
COMPLETE THIS RECORDING MODE	Typertran Puter specialist: Dept. Dept. of Oceanography, Section if data are on magnitude X BCD BINARY ASCII BCDIC	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH
COMPLETE THIS	Typertran Puter specialist: Dept. Dept. of Oceanography, Section if data are on magnitude X BCD BINARY ASCII BECDIC X SEVEN	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17
COMPLETE THIS RECORDING MODE	Typertran Puter specialist: Dept. Dept. of Oceanography, Section if data are on magnitude X BCD BINARY ASCII BCDIC	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
D. RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS S. RECORDING MODE S. NUMBER OF TRACK (CHANNELS)	Typertran Puter specialist: Dept. Dept. of Oceanography, Section if data are on magnitude X BCD BINARY ASCII BECDIC X SEVEN	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA
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I. RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS S. RECORDING MODE 6. NUMBER OF TRACK (CHANNELS)	Typertran Puter specialist: Dept. of Oceanography, Section if data are on magni X bcd Binary Ascii Ebcdic S X seven Nine	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/20/77 8/4/77
I. RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS S. RECORDING MODE 6. NUMBER OF TRACK (CHANNELS)	Typertran Puter specialist: Dept. of Oceanography, Section if data are on magni X bcd Binary Ascii Ebcdic S X seven Nine C ODD X EVEN	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/20/77 8/4/77 File # 2 File id = MESA E
ADDRESS COMPLETE THIS S. RECORDING MODE 6. NUMBER OF TRACK (CHANNELS)	PUTER SPECIALIST: Dept. of Oceanography, SECTION IF DATA ARE ON MAGNI ASCII BINARY ASCII BECDIC NINE ODD X EVEN 200 BPI 1600 BPI	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/20/77 8/4/77
4. RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS 5. RECORDING MODE 6. NUMBER OF TRACK (CHANNELS)	Typertran Puter specialist: Dept. of Oceanography, Section if data are on magni Section if data are on magni Ascii	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/20/77 8/4/77 File # Z File id = MESA E 7 TRACK, BCD, 800 BPI, EVEN PARITY 12. PHYSICAL BLOCK LENGTH IN BYTES 3600 bytes
ADDRESS COMPLETE THIS S. RECORDING MODE 6. NUMBER OF TRACK (CHANNELS)	PUTER SPECIALIST: Dept. of Oceanography, SECTION IF DATA ARE ON MAGNI ASCII BINARY ASCII BECDIC NINE ODD X EVEN 200 BPI 1600 BPI	LANGUAGE Impbell (206) 543 2007 University of Washington, Seattle, Wa. 9819 ETIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/20/77 8/4/77 File # 2 File id = MESA E 7 TRACK, BCD, 800 BPI, EVEN PARITY 12. PHYSICAL BLOCK LENGTH IN BYTES

C. DATA FORMAT

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

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RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS	PUTER SPECIALIST: D PHONE NUMBER D TO SECTION IF DATA ARE C	NAM	LANGUAGE DS NODC - 2026 TS NTER- (IF KNOWN) 3/4 INCH	34)
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENDED BOD BINAR	NAN	NTER-	34/
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENDED BOD BINAR	NAN	LANGUAGE DS NODC - 2026 TS NTER- (IF KNOWN) 3/4 INCH	34/
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTIO	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA	LANGUAGE DS NODC - 2026 TS NTER- (IF KNOWN) 3/4 INCH	IDE
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTION OF SECTION O	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA ORIGINATOR IO OF DATA TYP	NTER- (IF KNOWN) 3/4 INCH MARK DER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER)	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTION OF SECTION O	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA ORIGINATOR IO OF DATA TYP	NTER- (IF KNOWN) 3/4 INCH MARK DER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER)	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTIO	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA ORIGINATOR IO OF DATA TYP	NTER- (IF KNOWN) 3/4 INCH MARK DER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER)	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	DUTER SPECIALIST: D PHONE NUMBER D SECTION IF DATA ARE CO BCD BINAR BCD BINAR BCD BEBCD BSCD SEVEN	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA ORIGINATOR IO OF DATA TYP	NTER- (IF KNOWN) 3/4 INCH MARK DER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER)	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTIO	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA ORIGINATOR IO OF DATA TYP	NTER- (IF KNOWN) 3/4 INCH MARK DER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER)	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTION OF SECTION O	ON MAGNETIC TAPE 9. LENGTH OF IN RECORD GAP 11. PASTE-ON-PA ORIGINATOR OF DATA TYP 0 1 5 3	NTER- (IF KNOWN) 3/4 INCH MARK OCTAL 17 PER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICAT	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF DATA ARE COME ASCII SEBCD SECTION IF DATA ARE COME ASCII SEBCD S SEVEN NINE 200 BPI 1600 E	ON MAGNETIC TAPE 9. LENGTH OF II RECORD GAP 11. PASTE-ON-PA ORIGINATOR I OF DATA TYP 12. PHYSICAL BL	NTER- (IF KNOWN) 3/4 INCH MARK OCTAL 17 PER LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER) 3/5 (// SL) OCK LENGTH IN BYTES	IDE IONS
RESPONSIBLE COMP NAME AND ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	SECTION IF DATA ARE COMMENTAL SECTION OF DATA ARE COMMENTAL SECTIO	ON MAGNETIC TAPE 9. LENGTH OF IN RECORD GAP 11. PASTE-ON-PA ORIGINATOR OF DATA TYP 0 1 5 3	NTER- (IF KNOWN) 3/4 INCH MARK DET LABEL DESCRIPTION (INCLUNAME AND SOME LAY SPECIFICATOR, VOLUME NUMBER) STOCK	IDE IONS

CURRENT METER

RECORD FORMAT DESCRIPTION

RECORD NAME . TEXT	ECORD NAME TEXT RECORD (OPTIONAL) Date: 10/15/75							
	15. POSITION			IT. ATTRIBUTES	119. USE AND MEANING			
14. FIELD THE	FROM-1-	ļ -	317.	1	13. USE PINO MELITICE			
ļ	MEASURED IN Bytes		<i></i>	4	1			
1		NUMBER	UNITS	1				
	(e.g., bits, bytes)	 '	 '		<u> </u>			
File Type	/ T ''	3	Bytes	A3	Always '015'			
File Identifica-	1	('	1	1	• • •			
tion	4	6		1	MESA E			
Record Type	10	i		l	Always '1'			
Meter Number	11	5	11	1	Analogous to NODC Station Numb			
Text	16	38		38A1	Additional pertinent informati			
	54	\ \J	ı ı	1X.	Add Croller per officers			
Blank	54 55	6	15	16	Ascending numeric, used for			
Sequence Number	1 22 1	0	1	10				
1	1	1	1 .	1	sorting			
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FIC 13	er master i	KECOKO	(KEYU	TKED)	1			
	· •	ا ج ا		1	ioset .			
File Type	j 1	3	Bytes	A3	Always '015'			
File Identifica-	1 .	ا آ] "					
tion	4	6						
Record Type	10	[]	"	Il	Always '2'			
Meter Number	11	5	10	•	Analogous to NODC Station Numb			
Latitude,	1 - 1	1	1					
Degrees	16	2	"	12	1			
Minutes	18	2	j n	12	·			
Hundredths of		1			1			
minutes	20	2	u	12	1			
Hemisphere	22	2	. 11	Aī	'N' or 'S'			
Longi tude,		1 .	1		1 1 01 3			
Degrees	23	3	11	13				
Minutos	26	2	1 11	13	1			
Hundredths of	20			12	ļ.,			
	20	1 ,	11	10	1			
minutes	28	2	, ,	12	1.4.			
Hemisphere	30]	. "	A1	'É' or 'W'			
Depth to bottom	31	5	1 "	15	Whole meters			
Depth of current		l _]		1			
meter	36	5	"	· I5	To tenths of a meter			
Meter Usage		[1		Number of times meter has beer			
Sequence Number		3		13	used.			
Institution Code	- 44	2	"	A2	NODC Institution Code			
Axis Rotation	46	3	"	13	In whole degrees clockwise from			
		1			true north of V axis			
Location Name	49	6	· n •	A6	OCSEP internal location code			
ilumber of detail		1	Į	1	100011 1110011141 10040.011 0000			
records	55	6	0	16	Number of type '3' records			
1000100		-	į	10	Manuel of type o records			
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CURRENT METER RECORD FORMAT DESCRIPTION

RECORD NAME DETAIL RECORD (REQUIRED)

Date:

10/15/

14. FIELD NAME	15. POSITION	ì	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN BY TES (o.4. bits, bytes)	NUMBER	UNITS		·
File Type	1	.3	Bytes	А3 .	Always '015'
File Identifica-					MESA E
tion	4	6	11		· ·
Record Type	10	1.	11	Il	Always '3'
Meter Number Year	11 16	5	"	10	Analogous to NODC Station
Month	18	2 2	11	I2 I2	Last two digits of years)
Day	20	2	13	12	1-12 1-31
Time,	20			12	11-31
Hour	22	2	11	12	0-23
Minute	24	2	13	I IZ	0-59
Hundredth of]				}
minute	26	2	U	12	0-99
East-West (u)	28	6	"	. 16 ·	To hundredths. Positive
Current Compone	nt a	١ . ـ	11		and North) understood.
North-South (v)	34	6	! "	16	Negative (West and South)
Current Compone Temperature	10 40	5		75	negative sign.
· mihei arai e	1 . 40	1 3.	· ·	15	To thousandths. Minus sig
Pressure	45	5	13	· 15	negative To tenths
Conductivity	50	5 5 1	111	14	To hundredths
Blank	54	i	ıı ı	ix	io nanarca ans
Sequence Number	55	5	l »	15	Ascending numeric, used for
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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 ("\sum'") 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 CALIBRATION	INSTRUMENT WAS	CALIBRATED BY	CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRU- MENT
INSTRUMENT TYPE (MFR., MODEL NO.)		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√.)	ONLY AFTER REPAIR (V)	ONLY WHEN ONLY	NOT CALI- BRATED
Aanderaa Current Meter RCM-4		х			· · · · · · · · · · · · · · · · · · ·	Х			
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OAA FORM 24-13	L	. <u></u>		<u></u>				11	I-DC 44289-P7

DATA DOCUMENTATION FORM

TR 2996

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. ORIGINATOR IDENTIFICATION

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OCIATED
DENTIFY
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3/77
DATA
207 100° 220

B. SCIENTIFIC CONTENT

		B. SCIENTIFIC C		-
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
SPEED U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	" .	u .
TEMPERATURE	°c	и	l "	и .
CONDUCTIVITY	⁰ /00	n n		и .
PRESSURE	DECIBARS	п	II	II
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C. DATA FORMAI

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

Three (3) and detail	record type record (pes, text record 3), differentiat	(1), meter master record (2), ed by byte 10.
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SIVE BRIEF DESCRI	PTION OF FIL	E ORGANIZATION	
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ATTRIBUTES AS EX	PRESSED IN	PL-1	ALGOL COBOL
		X FORTRAN	LANGUAGE
		X FORTRAN	
RESPONSIBLE COMF	PUTER SPECIA		LANGUAGE
RESPONSIBLE COMP	PUTER SPECIA PHONE NUMI	ALIST: Donna McCam	LANGUAGE pbell (206) 543 2007
RESPONSIBLE COMF NAME AND ADDRESS	PUTER SPECIA PHONE NUMI Dept. of	ALIST: Donna McCam	LANGUAGE pbell (206) 543 2007
ADDRESS	Dept. of	ALIST: Donna McCam	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98
ADDRESS	Dept. of	Donna McCam Oceanography, U	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98
ADDRESS	Dept. of	Donna McCam Oceanography, U DATA ARE ON MAGNET	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98
ADDRESS	Dept. of	Donna McCam Oceanography, U	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH
ADDRESS	Dept. of	Donna McCam Oceanography, U DATA ARE ON MAGNET	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98
ADDRESS COMPLETE THIS RECORDING MODE	Dept. of	Donna McCam Oceanography, U DATA ARE ON MAGNET	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH
ADDRESS COMPLETE THIS RECORDING MODE	Dept. of SECTION IF C X BCD ASCII	Donna McCam Oceanography, U DATA ARE ON MAGNET	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 IC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17
ADDRESS COMPLETE THIS RECORDING MODE	Dept. of	Donna McCam Oceanography, U DATA ARE ON MAGNET	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 IC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17
ADDRESS COMPLETE THIS RECORDING MODE	Dept. of SECTION IF C X BCD ASCII	Donna McCam Oceanography, U DATA ARE ON MAGNET	Iniversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA
ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Dept. of SECTION IF E ASCII SS X SEVEN NINE	Donna McCam Oceanography, U DATA ARE ON MAGNET	Iniversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA
ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Dept. of SECTION IF E ASCII ASCII NINE	Donna McCam Oceanography, U DATA ARE ON MAGNET	Iniversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA
ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Dept. of SECTION IF E ASCII SS X SEVEN NINE	Donna McCam Oceanography, U DATA ARE ON MAGNET	Inversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA
ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Dept. of SECTION IF E X BCD ASCII NINE ODD X EVEN	DONNA McCamer Donna McCamer Doceanography, United Are on Magner Binary	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK X OCTAL 17 ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/19/77 File # 3 File id = MESA S
ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Dept. of SECTION IF E X BCD ASCII NINE ODD X EVEN	DATA ARE ON MAGNET BER Donna McCam Oceanography, U DATA ARE ON MAGNET BINARY BEBCDIC	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA File # 3 File id = MESA S 7 TRACK, BCD, 800 BPI, EVEN PARITY
ADDRESS COMPLETE THIS RECORDING MODE NUMBER OF TRACK (CHANNELS)	Dept. of SECTION IF E X BCD ASCII NINE ODD X EVEN	DATA ARE ON MAGNET BER Donna McCam Oceanography, U DATA ARE ON MAGNET BINARY BEBCDIC	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 7 TRACK, BCD, 800 BPI, EVEN PARITY 12. PHYSICAL BLOCK LENGTH IN BYTES
ADDRESS COMPLETE THIS RECORDING MODE	Dept. of SECTION IF E X BCD ASCII NINE ODD X EVEN	DATA ARE ON MAGNET BENDONA MCCAM DATA ARE ON MAGNET BINARY BEBCDIC	pbell (206) 543 2007 niversity of Washington, Seattle, Wa. 98 TIC TAPE 9. LENGTH OF INTER- RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATION OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 5 File id = MESA S 7 TRACK, BCD, 800 BPI, EVEN PARITY

C. DAŤÁ FOŘMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS. 1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE GIVE METHOD OF IDENTIFYING EACH RECORD TYPE 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION 3. ATTRIBUTES AS EXPRESSED IN PL-1 ALGOL COBOL LANGUAGE FORTRAN 4. RESPONSIBLE COMPUTER SPECIALIST: COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE 5. RECORDING MODE 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) BCD 3/4 INCH EBCDIC 10. END OF FILE MARK OCTAL 17 6. NUMBER OF TRACKS SEVEN (CHANNELS) 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 7. PARITY ODD EVEN B. DENSITY 200 BPI (1600 BPI 556 BPI 800 BPI 13. LENGTH OF B NOAA FORM 24-18 USCOMM-DC 44289-P72 CURRENT METER

RECORD FORMAT DESCRIPTION 4

RECORD NAME TEXT RECORD (OPTIONAL) Date: 10/15/75 17. ATTRIBUTES 18. USE AND MEANING 14. FIELD NAME 15. POSITION 16. LENGTH FROM-1-MEASURED IN Bytes NUMBER UNITS (e.g., bits, bytee) Always '015' 3 Bytes A3 File Type File Identifica-MESA S 4 ٠6 tion Always 'l' 10 1 11 Record Type Analogous to NODC Station Numb 5 Meter Number 11 Additional pertinent informati 38A1 38 Text 16 54 JX. Blank 1 Ascending numeric, used for Sequence Number 55 16 sorting METER MASTER RECORD (REQUIRED) File Type 1 3 **Bytes A3** Always '015' File Identifica-4. 6 tion 21 Record Type 10 1 Π Always '2' 11 Meter Number 5 Analogous to NODC Station Numb 11 Latitude, 16 2 11 12 Degrees 11 Minutes 18 12 Hundredths of 20 2 11 12 minutes 11 22 1 Hemisphere 'N' or 'S' A1 Longitude, 23 3 11 Degrees 13 п Minutes 26 2 12 . Hundredths of 11 minutes 28 2 12 11 Hemisphere 30 1 'É' or 'W' A1 Depth to bottom 31 5 н 15 Whole meters Depth of current H 36 meter 5 15 To tenths of a meter Meter Usage Number of times meter has been Sequence Number = 41 3 13 used. Institution Code 11 44 2 NODC Institution Code **A2** Axis Rotation 11 46. 3 13 In whole degrees clockwise fro true north of V axis . 11 . Location Name 49 6 **A6** OCSEP internal location code Number of detail records 55 Ħ 16 6 Number of type '3' records

CURRENT METER RECORD FORMAT DESCRIPTION

RECORD NAME DETAIL RECORD (REQUIRED)

Date: 10/15/

14. FIELD NAME	15. POSITION FROM-1- MEASURED	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN BY LES (o.g., bits, bytes)	NUMBER	UNITS		
File Type	1	3	Bytes	А3	Always '015'
File Identifica-		ے ا	11	•	MESA S
tion	4	6	n	II	\ '
Record Type Meter Number	10 11			1 *1	Always '3' Analogous to NODC Station N
Year	16	2		12	Last two digits of years)
Month	18	5 2 2		12	1-12
Day	20	2	n	12	11-31
Time,		_)
Hour	22	2) "	I2	0-23
Minute	· 24	2	"	I2	0-59
Hundredth of	1	1)
minute	26	2	u	12	0-99
East-West (u)	28	6	"	· 16	To hundredths. Positive (E
Current Compone		ا ـ ا		Te .	and North) understood.
North-South (v)	34	6		16	Negative (West and South) W
Current Compone Temperature	40	5		15	negative sign. To thousandths. Minus sign
I culbet a cat c	1 . 40	1 3.	Į.	13	negative
Pressure	45	5	10	15	To tenths
Conductivity	50	5 5 1	n	14	To hundredths
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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 ("\sum'") 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 WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRU- MENT	
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 (V.)	NEW NEW ONLY	NOT CALI- BRATED
Aanderaa Current Meter RCM-4		Х		, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	Х	· · ·			
same meter	FEB. 77		NOIC	1 yr.						
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DATA DOCUMENTATION FORM

TR 2997

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.)

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					•		
		A. ORIG	INATOR	IDENTIFICATI	ION	,	
	THIS SECTION MUST BE COMP	LETED BY DONOR	FOR ALL	DATA TRANSMIT	TALS		
1	1. NAME AND ADDRESS OF IN	STITUTION, LABOR	ATORY, OF	R ACTIVITY WIT	H WHICH SUBM	TTED DATA	E ASSOCIATED
		DAA :h Avenue N.E. Washington 981	05				
	2. EXPEDITION, PROJECT, ODATA WERE COLLECTED PSERP MES		WHICH	DATA IN TH	BER(S) USED E IS SHIPMENT = MESA	ORIGINATOR	TO IDENTIFY
	4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A		7. DA	TES
	MESA W	BUOY	PLATFOR		OPERATOR	FROM: MO/DAY/YR	
			•	U.S.	U.S.	6 118177	812177
	8. ARE DATA PROPRIETARY			SE DARKEN ALI AINED IN YOUR			
	IF YES, WHEN CAN THE FOR GENERAL USE?				GENERAL AR	EA	
	9. ARE DATA DECLARED NAT PROGRAM (DNP)?	TIONAL	100" !20"	140" 150" 180" 160" 140	- 120° 100° 80° 60°	40* 20* 0* 20*	40° 50° 50° 100°
	(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) TO PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-I) Mr. Pat Laird (206) 442 7450			254 237 237 233 233 233 233 245 256 126 127 228 238 239 239 24 258	227 5 27 27 27 27 27 27 27 27 27 27 27 27 27	073108 073072	210 210 210 210 210 210 210 210 210 210
				524 016 2270 315 315 327 327 327 327 327 327 327 327 327 327	011 100 100 100 100 100 100 100 100 100	336 371 372 407 408 443 444 476 4877 5 15	Superior Superior Superior

577 567 567 557 55254/



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
SPEED U-Direction	CM/SEC	Aanderaa Current Meter	N/A	N/A
V-Direction	CM/SEC	RCM-4	" .	н -
TEMPERATURE	°c	li ii	ıı .	u .
CONDUCTIVITY	⁰ /00	н	и	и
PRESSURE	DECIBARS	n	п	u
		·		
		·		
	·			. •
		,		USCOMM-DC 44280-P7

C. DATA FORMAI

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

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL GIVE METHOD OF IDENTIFYING EACH RECORD TYPE	L OF YOUR FILE
Three (3) record types, text record and detail record (3), differentiate	(1), meter master record (2), ed by byte 10.
•	
·	
2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
	·
3. ATTRIBUTES AS EXPRESSED IN PL-1 The property of the propert	ALGOL COBOL LANGUAGE
4. RESPONSIBLE COMPUTER SPECIALIST: NAME AND PHONE NUMBER Donna McCam	mpbell (206) 543 2007
	University of Washington, Seattle, Wa. 98195
COMPLETE THIS SECTION IF DATA ARE ON MAGNET	TIC TARE
5. RECORDING MODE	9. LENGTH OF INTER-
	10. END OF FILE MARK
6. NUMBER OF TRACKS	
<u> </u>	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
∐ NINE	and the state of t
<u> </u>	
000	
	l ·
200 BPI 1600 BPI	7 TRACK BCD 800 BPI EVEN PARITY
556 8PI	12. PHYSICAL BLOCK LENGTH IN BYTES
1	Jour Dytes
X 800 BPI	13. LENGTH OF BYTES IN BITS
ASCII BINARY ASCII BECDIC ASCII BECDIC BINARY ASCII BECDIC NINE NINE NINE 7. PARITY ODD X EVEN B. DENSITY 200 BPI 1600 BPI 556 BPI	RECORD GAP (IF KNOWN) X 3/4 INCH 10. END OF FILE MARK [X] OCTAL 17 11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) NOAA/PMEL PSERP MESA 6/18/77 8/2/77 File # 4 File id = MESA W 7 TRACK, BCD, 800 BPI, EVEN PARITY

NOAA FORM 24-13

C. DATA FORMAT

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

1. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL GIVE METHOD OF IDENTIFYING EACH RECORD TYPE	OF YOUR FILE USER TAPE
	•
. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
•	
	· 1
·	
	·
:	·
. ATTRIBUTES AS EXPRESSED IN PL-1	ALGÓL COBOL
FORTRAN	LANGUAGE
NAME AND PHONE NUMBER 7 752-	NOAA / EDS /NODC - 20263473
ADDRESS WASHINGTON, D.	C 262 75/
COMPLETE THIS SECTION IF DATA ARE ON MAGNET	FIC TAPE 19. LENGTH OF INTER-
BCD BINARY	RECORD GAP (IF KNOWN) 3/4 INCH
ASCII EBCDIC	<u> </u>
	10. END OF FILE MARK
6. NUMBER OF TRACKS	
(CHANNELS) SEVEN	<u> </u>
NINE	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
· /	OF DATA TYPE, VOLUME NUMBER)
7. PARITY	
7. FARITY (\$\)\(\)\(\)\(\)\(\)\(\)	105315 (1.61)
EVEN	005315 (JSL)
8. DENSITY	701100 /
200 BPI 1600 BPI	15N = TK2994
556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
800 BPI	13. LENGTH OF BYTES IN BITS
	2 60
IOAA FORM 24-13	USCOMM-DC 44289-P72

CURRENT METER

RECORD FORMAT DESCRIPTION 4

RECORD NAME TEXT RECORD (OPTIONAL) Date: 10/15/75 14. FIELD NAME 19. USE AND MEANING 15. POSITION 16. LENGTH 17. ATTRIBUTES FROM-1-MEASURED IN Bytes UNITS NUMBER (e.g., bits, bytee) Always '015' A3 . 3 Bytes File Type File Identifica-MESA W tion 4 6 Always 'l' Π 10 1 Record Type Analogous to NODC Station Numb 25 11 -5 Meter Number Additional pertinent informati 11 38 38A1 Text 16 Blank 54 1 JX. Ascending numeric, used for 16 55 Sequence Number sorting METER MASTER RECORD (REQUIRED) Always '015' 1 **Bytes** A3 File Type 3 File Identifica-4 . 6 tion 23 Always '2' 10 1 Record Type 11 n 11 5 Meter Number Analogous to NODC Station Numb Latitude, 2 Ħ 12 Degrees 16 2 11 Minutes 18 12 Hundredths of 2 11 20 12 minutes 88 1 22 'N' or 'S' Hemisphere A1 Longi tude, 11 3 Degrees 23 13 н 12 Minutes 26 2 . Hundredths of 82 28 2 12 minutes Hemisphere 30 1 A1 'É' or 'W' 11 Depth to bottom 31 5 15 Whole meters Depth of current 11 meter 36 5 15 To tenths of a meter Meter Usage Number of times meter has been 11 Sequence Number 41 3 13 used. Institution Code 44 **A2** NODC Institution Code 11 Axis Rotation 3 **I3** 46. In whole degrees clockwise fro true north of V axis · 11 . Location Name 49 OCSEP internal location code 6 **A6** ilumber of detail records 11 55 16 Number of type '3' records 6

CURRENT METER RECORD FORMAT DESCRIPTION

ECORD NAME DETAIL RECORD (REQUIRED)

NOAA FORM 24-13

RECORD NAME DETAI	L RECORD (REQUIR	ED)		/Date: 10/15/
•	15. POSITION			17. ATTRIBUTES	18. USE AND MEANING
	-L-14044-1-	i			
	MEASURED IN BY TES	NUMBER	UNITS		
	(s.A., bits, bytes)	NUMBER	UNITS		
File Type	ī	-3	Bytes	А3	Always '015'
File Identifica-	•				MESA W
tion	4	6	ti		MESA CC
Record Type	10	1 ī.	11	17	Always '3'
Meter Number	11	5	1)		Analogous to NODC Station
Year	16	2	0	I2	Last two digits of years)
Month	18	2	11	I2	11-12
Day	20	2	\$1	I2	11-31
Time,					•)
Hour	22	2	II 	I2	0-23
Minute	· 24	2	"	I2	0-59
Hundredth of	00]	70	10.00
minute	26	2	, ,	I2 · I6	0-99)
East-West (u)	28	٥		10	To hundredths. Positive (E
Current Componer North-South (v)	34	6	10	16	and North) understood. Negative (West and South) v
Current Compone		"	ł	10.	negative (west and south) w
Temperature	40	5		15	To thousandths. Minus sign
	}	•	ł]	negative
Pressure	45	5	11	15	To tenths
Conductivity	50	5 5		I4 .	To hundredths
B1ank	54	1	"	1X	<u>.</u>
Sequence Number	55	5	Į u	I 5	Ascending numeric, used for
			1		sorting
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USCOMM-DC

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 ("\(\subseteq \)") 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 (MFR., MODEL NO.)		INSTRUMENT WAS	CALIBRATED BY	CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRU- MENT IS
	DATE OF LAST CALIBRATION	YOUR ORGANIZATION (V)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√.)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√.)	ONLY AFTER REPAIR (V.)	ONLY WHEN ONLY	NOT CALI- BRATED (√)
Aanderaa Current Meter RCM-4		X			()	X	10.7	107	
same meter	may 77		NOIC	1 yr.					
					·				
•						· · · · · · · · · · · · · · · · · · ·			
•									



U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

ENVIRONMENTAL RESEARCH LABORATORIES

Pacific Marine Environmental Laboratory NOAA Building Number 264 7600 Sand Point Way NE Seattle, WA 98115

DATE:

April 18, 1978

TO:

NODC Attn: Dr. James Ridlon (D781)

FROM:

N.P. Laird MA

SUBJECT:

Transmittal of Current Meter Data

Under separate cover we are sending one (1) magnetic tape, and data documentation forms for four (4) current meter stations for the PSERP MESA project. The four files on the magnetic tape are as follows:

<u>File No.</u>	File I.D.	Time Period		Depth in Meters
TR 2994 1	MESA N	June 19, 1977 to Aug	gust 3, 1977	15 30 * 80 161
TR2995 2	MESA E	June 20, 1977 to Aug	gust 4, 1977	27 77 157
*{	Time base Record too Meter fai		00 too few records	12 47 117
TR2996 3	MESA S	June 19, 1977 to Aug	gust 3, 1977	13 14 29 79 159 **
TR2997 4	MESA W	June 18, 1977 to Aug	gust 2, 1977	14 29 49 79 119 *** 159

MESA W mooring dragged to 3m deeper water 28 June.







Page 2 NODC April 18, 1978

> Speed failed after 11 days on 1 July Some conductivity spikes remain Temperature noisy starting 16 July

Encls: 1 (One) magnetic tape 1 (One) DDF (and documentation)

cc: R. Charnell

G. Cannon



III. Processor name: ___.

UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration ENVIRONMENTAL DATA SERVICE Washington, D.C. 20235 National Oceanographic Data Center

Date	:	
То	:	D781
From	:	D752 \ 77.1
Subject	•	Error Correction in Processing of Data Set - Accession # 78-0337
	1)	File Type: # 0 15
	2)	Project Ident.: Puget Sound/PSERP
	3)	Track Nos.: TR 2994-7
	که ه	rrections as reported to Principal Investigator: ne note that there are 235 blank e.
		ral error corrections: Lect (55550) in columns (45-42)



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,	The Same Section 1995.	- ·-		•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•		JR112' (four files)
.?	CORY (CITT.) TO	OF.	/	; ;		/			13338/ [four files four hocks)
	ALFUPMATTED TAPE (IF FEQUIAGE)								/
4	USER TAPE GENERATION	 	, ,	,	,	61	13	:GRAY	\$\\\ \phi \phi \phi \phi \phi \phi \phi \
5	CKECK FUN (ERRORS)	1	/	1	1	61	11	·GRAY	Ø13338'
- د ح	CarcK - /N (UK)	i •	/	,	 ¦	6 /	17	GRAY	\$\$5315 ' DSN = 12994
			/·			,'			/
7	EVALUATION OF ORIGINATOR CCF		/	•	.	MA	6/25	;)	
8	NAPIS COUNT PROGRAM RUN	1	,′	!	 	6/	1	GRAY	
5	DIP INVENTORY PEOGRAM RUN		,	· •	 ÷	7	/8	CES	

1 / 1

is the first many

015-3

#2 000577 10328 60/4800, FOIS

ANSI 013804 7435 (C 4042) #10020422

TR 2087-2091, 2790-2804, 2955-2963, 2994-2997, 2999, 3081-3085, 3088-3095

545,048

Paget & Sound/PSERP

NSDCHEK *** NCN-STANDARD DATA FIELD CHECKING PROGRAM THIS IS 03/15/78 VERSION WITH NUMERIC RANGE CHECKING

USER'S INPUT REQUESTS FOLLOW:
LRECL HAS BEEN SPECIFIED AS 60
STATION HEADER RECORD SPECIFIED AS 2
RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 123
STATION STARTS IN POSITION 11 FOR 5 BYTES
STATION WILL APPEAR ON RECORD TYPES: 123
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILETYPE IS 015

FIRST FILE ID

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE	E TESTED	ACTUA	L RANGE			
					LOW	HI∕GH	LOWEST	T HIGHEST	MEAN	S. DEV	COUNT
M	3	16	2	OBS DATE YR	74	77	77	77	77.00	00	12905
M	3	18	2	OBS DATE MO	01	12	6	8	6.81	61	12905
M	3	20	2	OBS DATE DAY	01	31	1	31	17.32	9.41	12905
M	3	22	2	OBS DATE HR	00	23	0	23	11.45	6.92	12905
M	3	24	2	OBS DATE MIN	00	59	7	48	27.24	16.34	12905
N	3	26	2	OBS DATE 1/100 MIN	00 -	99	NO	VALUES FOUND	FOR THIS	PARAMETER	
M	3	28	5	E-W (U) COMPONENT	-4000	20000	-1337	1125	32.96	367.87	12905
M	3	34	5	N-S (V) COMPENENT	-4000	20000	-815	758	13.87	166.22	12905
N	3	40	4	TEMPERATURE TO 1/100	-200	2000	0	1039	612.71	375.43	12905
N	3	45	5	PRESSURE DB TO 1/10	00100	11950	123	1669	781.98	612.49	12905
N	3	50	4	CONDUCTIVITY	0000	3700	3144	3543	3406.82	41.16	12905

RECORDS READ : 12909

333333

FILE ID HAS CHANGED

THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC

TYPE	REC	POS	LENGTH	NAME	RANGE	TESTED	ACTUA	L RANGE			
					LOW	HIGH	LOWEST	HIGHEST	MEAN	S. DEV	COUNT
M	3	16	2	OBS DATE YR	74	77	77	77	77.00	00	9532
M	3	18	2	OBS DATE MO	01	12	6	8	6.83	63	9532
M	3	20	2	OBS DATE DAY	01	31	1	31	17.20	9.52	9532
M	3	22	2	OBS DATE HR	CO	23	0	23	11.52	6.93	9532
M	3	24	2	OBS CATE MIN	00	59	2	46	24.00	16.41	9532
N	3	26	2	OBS DATE 1/100 MIN	00	99	NΩ	VALUES FOUND	FOR THIS	PARAMETER	
M	3	28	5	E-W (U) COMPONENT	-4000	20000	-1408	1422	11.03	527.50	9532
M	3	34	5	N-S (V) COMPONENT	-4000	20000	-754	940	27.05	227.60	9532
N	3	40	4	TEMPERATURE TO 1/100	-200	2000	607	1011	732.41	102.39	9532
N	3	45	5	PRESSURE DB TO 1/10	00100	11950	292	916	557.01	209.62	9532
N	3	50	4	CONDUCTAVITY	0000	3700	2751	3491	3384.49	49.82	9532

RECORDS READ : 9535

D	-	_	c	W	$\overline{}$	~	a	•
_	a	3	3	w	u	ı	ч	•

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7800337	F015	TT1465	0082	3114	317F	1977/06/20	MESA N	306866
7800337	F015	TT1466	0082	3114	317F	1977/06/20	MESA N	306867
7800337	F015	TT1467	0082	3114	317F	1977/06/20	MESA N	306868
7800337	F015	TT1468	0082	3114	317F	1977/06/20	MESA N	306869
7800337	F015	TT1469	0082	3114	317F	1977/06/20	MESA E	306870
7800337	F015	TT1470	0082	3114	317F	1977/06/20	MESA E	306871
7800337	F015	TT1471	0082	3114	317F	1977/06/20	MESA E	306872
7800337	F015	TT1472	0082	3114	317F	1977/06/19	MESA S	306873
7800337	F015	TT1473	0082	3114	317F	1977/06/19	MESA S	306874
7800337	F015	TT1474	0082	3114	317F	1977/06/19	MESA S	306875
7800337	F015	TT1475	0082	3114	317F	1977/06/19	MESA S	306876
7800337	F015	TT1476	0082	3114	317F	1977/06/19	MESA S	306877
7800337	F015	TT1477	0082	3114	317F	1977/06/19	MESA W	306878
7800337	F015	TT1478	0082	3114	317F	1977/06/19	MESA W	306879
7800337	F015	TT1479	0082	3114	317F	1977/06/18	MESA W	306880
7800337	F015	TT1480	0082	3114	317F	1977/06/17	MESA W	306881
7800337	F015	TT1481	0082	3114	317F	1977/06/18	MESA W	306882
7800337	F015	TT1482	0082	3114	317F	1977/06/18		306883
7800337	F015	TT1483	0082	3114	317F	1977/06/18	MESA W	306884

(19 rows affected)

Password:											
accno	fleA	refNo	ship	staCnt	recCnt	startDate	endDate				
7800337	F015	TT1465	317F	12	3227	77/06/20	77/08/01				
7800337	F015	TT1466	317F	12	3227	77/06/20	77/08/01				
7800337	F015	TT1467	317F	12	3227	77/06/20	77/08/01				
7800337	F015	TT1468	317F	12	3228	77/06/20	77/08/01				
7800337	F015	TT1469	317F	9	3178	77/06/20	77/08/01				
7800337	F015	TT1470	317F	9	3178	77/06/20	77/08/01				
7800337	F015	TT1471	317F	9	3179	77/06/20	77/08/01				
7800337	F015	TT1472	317F	15	6446	77/06/19	77/08/01				
7800337	F015	TT1473	317F	15	3222	77/06/19	77/08/01				
7800337	F015	TT1474	317F	15	3222	77/06/19	77/08/01				
7800337	F015	TT1475	317F	15	3222	77/06/19	77/08/01				
7800337.	F015	TT1476	317F	15	3222	77/06/19	77/08/01				
7800337	F015	TT1477	317F	21	3229	77/06/19	77/08/01				
7800337	F015	TT1478	317F	21	3229	77/06/19	77/08/01				
7800337	F015	TT1479	317F	21	3229	77/06/18	77/08/01				
7800337	F015	TT1480	317F	21	3229	77/06/17	77/08/01				
7800337	F015	TT1481	317F	21	3231	77/06/18	77/08/01				
7800337	F015	TT1482	317F	21	3230	77/06/18	77/08/01				
7800337	F015	TT1483	317F	21	3230	77/06/18	77/08/01				

(19 rows affected)