	76-1355	INSTITUTION	U. OF RHODE ISLAND
By no.	TR0102		
VESSEL	R/V TRIDENT	DATES	2/12/69 TO 2/15/69
w···			
CRUISE	G50 41/42/44		
		•	
MARSDEN	043 (10°+ N)	0'+W)	
			· · · · · · · · · · · · · · · · · · ·
<u> </u>			
	3 37471045	(60 86627	MEASUREHEUTS)
	3061 V	COMPONENTS (N	CH790
	<u>3061 U</u>	COMPONENTS (F	(724
	3.61 58	EED MEASURE	NEWTS
		LECTION MENSUR	EMENTS
DELGINATOR T	TAPE 9423	_	
USER TAPE	4234 (9, WL)		
	<u>,</u>		
			

76-1355

DATA DOCUMENTATION FORM

TR-0102

DAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

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

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

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

Data Archives						
Graduate School of						
University of Rhod Kingston, RI 0288					_	·
Kingston, ki 0200	<u></u>				·	-
2. EXPEDITION, PROJECT, C DATA WERE COLLECTED	PROGRAM DURING	WHICH		MBER(S) USED	BY ORIGINATOR	TO IDENTIFY
"Renewal Project"	•		GSO 41-4	12-44		
			·			İ
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM / NATIONALIT	AND OPERATOR	7. DA	TES
	·		PLATFORM	OPERATOR	FROM: MODAY,YF	TO: MO DAY YR
R/V Trident	Ship					
			U.S.A.	u.s.a.	2/12/69	2/15/69
8. ARE DATA PROPRIETARY	?		SE DARKEN AL			
·X NO YES		CONT	AINED IN YOUR	SUBMISSION W	ERE COLLECT	ED.
IF YES, WHEN CAN TH FOR GENERAL USE?				GENERAL AI	REA	
9. ARE DATA DECLARED'NA PROGRAM (DNP)?	TIONAL	100* 120* 1	40" 160" 160" 180" 140	* 120° 100° 80° 5 0°	40" 28" 0" 20"	40" 60" 80" 100"
(I.E., SHOULD THEY BE IN DATA CENTERS HOLDING: TIONAL EXCHANGE?)		218 7 242	231 232		\$ 35 total	200 () 279 243
X NO YES PAR	T (SPECIFY BELOW)	206	201	191	6 187216	212 207
		40° 134 V	129 124 093 088	110 11 223	4 109 [44] 8 073 108	7 140 135
10. PERSON TO WHOM INQUIRE	ES CONCERNING		057 052 021 016	047	2 037 072 6 901 034	032 027
DATA SHOULD BE ADDRES PHONE NUMBER (AND ADD			1 320 315 1 356 351	310 30	300[335]	101 120
THAN IN ITEM-1)	KESS II. STILL	** 7	387	382 37		403 398 20°
	•	40"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		 	439 434 40°
Edwin McB. Williams	5 .	50- 505	500 495	890	┼╏╸╏┋╏	511 506
⁽⁴⁰ 1) 792 - 6285		511	536 531	526 55	516551 7552587	347 542 543 578
		1 00° 120° 1	148" 159" 180" 188" 149)* 120* 180* 80* 40*	40* 26* 6* 20*	40. 60. 80. 100.
NOAA FORM 24-13					USCO	DMM-DC 44289-P72

B. SCIENT' 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
		:		
Instrument Depth	Meters	Current Meter	Corrected Depth	N/A (not applicable)
Latitude	Degrees, Minutes, Tenths of Minutes Worth or South.	N/A	N/A	N/A
Longitude	Degrees, Minutes, Tenths of Minutes, East or West.	N/A	N/A	N/A
Magnetic Variation	Degrees end Direction	N/A	N/A	n/A
Water Depth	Meters	N/A	Corrected Depth	N/A
Start Time (GMT)	Year Month Day Hour Minute	Gregorian Calendar	N/A	N/A
Sample Interval	Minutes	N/A	N/A	N/A
# Samples	Total number of samples in data records.	N/A	N/A	N/A
Meter Type		EG & G Model A - 100 EG & G Model A - 102 EG & G Model A - 850A VACM - Vector Averaging Current Meter, made by AMF Incorporated, Alexandria, VA	n/A	N/A
Instrument #	Alpha-numeric Desig.			

B. SCIEN' C CONTENT (CONT'D)

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
	•		
<pre>N = North/South velocity com- ponent in cm/sec</pre>		List of variables, stored in order of appearance in each data cycle. Commas	
North being positive.		separate the possible abbreviations listed	·
		previously.	
E = East/West velocity con- ponent in cm/sec			
East being positive.			
S = Scalar Speed in cm/sec.			
D = Total direc- tion in degrees			
netically)			
C = Compass read- ing in degrees			
V = Vane reading in degrees			•
T = Time consist ing of year, month hour min.			
sec. as described in free format			
Temperature in °C			
	N = North/South velocity com- ponent in cm/sec North being positive. E = East/West velocity com- ponent in cm/sec East being positive. S = Scalar Speed in cm/sec. D = Total direc- tion in degrees (corrected mag- netically) C = Compass read- ing in degrees V = Vane reading in degrees T = Time consist ing of year, month, hour, min. sec. as described in free format label records.	N = North/South velocity com- ponent in cm/sec North being positive. E = East/West velocity com- ponent in cm/sec East being positive. S = Scalar Speed in cm/sec. D = Total direction in degrees (corrected magnetically) C = Compass reading in degrees V = Vane reading in degrees T = Time consist ing of year, month, hour, min. sec. as described in free format label records.	N = North/South velocity component in cm/sec North being positive. E = East/West velocity component in cm/sec East being positive. S = Scalar Speed in cm/sec. D = Total direction in degrees (corrected magnetically) C = Compass reading in degrees V = Vane reading in degrees T = Time consist ing of year, month, hour, min. sec. as described in free format label records. Instruments useD (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES

B. SCIENT C CONTENT (CONTID)

D. GOLLIC GONTAD)						
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		
		•				
R	R = Rotor Count					
Format '	Specifications			·		
rormac	which apply to			:		
٠.	those variables					
	stored in data			· •		
	records.	·.				
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C. DATA FORMAT

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

	S CONTAINED IN THE TRANSMITTA ENTIFYING EACH RECORD TYPE	L OF YOUR FILE ORIGINATOR TAPE
See technical	report noted in section B	(above).
. GIVE BRIEF DESCRI	PTION OF FILE ORGANIZATION	
File organizat P. Kramer, 4 J	ion is as shown on URI le une 1976, attached.	tter To: E. McB. Williams; From: William
Note: Individu (e,g, GS941, G	al current meters are giv SØ42 etc. – see first two	en a U.R.I. Institutional number - DSN= of Tape AQ3CM4)
ATTRIBUTES AS EXF	PRESSED IN PL-1	ALGOL COBOL LANGUAGE
NAME AND	uter specialist: William P. phone number <u>Fdwin McB.</u> GSO/URI, Kingston, R.I.	Williams (401) 792-6285
	SECTION IF DATA ARE ON MAGNE	
RECORDING MODE	BCD BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
•	ASCII X EBCDIC	10. END OF FILE MARK
NUMBER OF TRACK	S	Nog known
•	X	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE OF DATA TYPE, VOLUME NUMBER)
		DoN = AQ3CM4(Standard Label)
. PARITY	X ODD	GSO/URI, Data Archives
. DENSITY		Current Meter Data
	200 BPI 1600 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
;	556 BPI 800 BPI	8000
	-X1 000 BE	8
0 AA FORM 24-13		USCOMM•DC 44289•P7

C. DATA FORMAT

COMPLETE THIS SECTION FOR PUNCHED CARDS OR TAPE, MAGNETIC TAPE, OR DISC SUBMISSIONS. LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE TIVE METHOD OF IDENTIFYING EACH RECORD TYPE Type I records are header text records which precede each meter. Each station contains ten (10) header records sequenced by record number (1 thru 10) in bytes 85-86. Type II records are data records and are identified by a record type "11" in bytes 85-86. 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION File contains three (3) meter plants consisting of 86 byte records. COBOL ATTRIBUTES AS EXPRESSED IN PI -1 ALGOL FORTRAN LANGUAGE 4. RESPONSIBLE COMPUTER SPECIALIST: DSF & I Branch 634-7505 NAME AND PHONE NUMBER ADDRESS NODC COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE 5. RECORDING MODE 9. LENGTH OF INTER-RECORD GAP (IF KNOWN) X 3/4 INCH BCD BINARY ASCII EBCDIC 10. END OF FILE MARK OCTAL 17 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) Napis Files PJT Vol II 7. PARITY Tape #4234 ODD Label=(9.NL) LRECL=86 EVEN RECFM=FB A. DENSITY 200 BPI Y 1600 BPI 12. PHYSICAL BLOCK LENGTH IN BYTES 556 BPI 4300 800 BPI 13. LENGTH OF BYTES IN BITS

NOAA FORM 24-13 USCOMM-DC 44289-P72

RECORD NAME Type I (Header) Records

1200110 117.112					
14. FIELD NAME	15. POSITION	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN Bytes	· ·	···		
	(e.g., bits, bytes)	NUMBER	UNITS		
Record #1					
Project Title	18	16	Bytes	16A1	
Investigators	55	24	Bytes	24A1	List of principal investigators
Record Number	81	2	Bytes	12	Always '01'
Meter Number .	83	4.	Bytes	A4	Individual identification number for each meter
Record #2					
GSO Sequence Number	17	8	Bytes	8A1	•
Mooring Number and Type	44	16	Bytes	16A1	URI mooring number and type of mooring
Record Number	81	2	Bytes	12	Always '02'
Meter Number	83	4	Bytes	A4	
Record #3					
Meter Type	13	4	Bytes	A4	
Instrument Number	31 .	4	Bytes	A4	
Instrument Depth	37	6	Bytes	F6.1	Corrected depth in meters
Record Number	.81	2	Bytes	12	Always '03'
Meter Number	83	4	Bytes	Λ4	
	L	<u> </u>	L	<u> </u>	<u> </u>

RECORD FORMAT DESCRIPTION RECORD NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1	16. LEN	GТH	17. ATTRIBUTES	18, USE AND MEANING
1	MEASURED INBYTES (o.g., bits, bytes)	NUMBER	UNITS		
Record #4	(oigh oile)				
Latitude Degrees	6.	4	Bytes	14	Whole Degrees
Latitude Minutes	11	5	Bytes	F.5.1	Minutes and tenths
Latitude Hemisphere	. 17	.1	Bytes	· A1	'N' or 'S'
Longitude Degrees	25	4	Bytes	14	Whole Degrees
Longitude Minutes	30	5	Bytes	F5.1	Minutes and tenths
Longitude Hemisphere	36	1	Bytes		'E' or 'W'
Magnetic Variatio	n 49	4	Bytes -	14	Absolute value of applied magnetic variation in whole degrees
Magnetic Directio	n 54	i	Bytes	Al	Direction of magnetic variation 'E' or 'W'
Water Depth	75	6	Bytes	F6.1	Vater depth in corrected meters
Record Number	81	2	Bytes	12	Always '04'
Meter Number	83	4	Bytes	A4	
Record #5					
Start Year	18	4	Bytes	14	
Start Month	23 .	2	ytes	12	
Start Day	26	2	Bytes	. I2 _.	All values in G.M.T.
Start Hour	31	2	Bytes	12	
Start Minute	34	2	ytes	12	
Sample Interval	53	5	Bytes	F5.1	Numeric designation of the sample interval
Sample Interval	59	4	Bytes	A4	Time designation of the sample interval, i.e. 'MINS'
NOAA FORM 24-13					USCOMM-DC 44289-P72

RECORD FORMAT DESCRIPTION
RECORD NAME Type I (Header) Records Continued

14. FIELD NA	AME	15. POSITION FROM - 1 MEASURED	16. LEN	gтн	17. ATTRIBUTES	18. USE AND MEANING
1.		IN Bytes (o.g., bits, bytes)	NUMBER	UNITS		
Record #	5 Cont.					
Sample C	ount	74	4	Bytes	14	Total number of samples stored in the data records
Record N	umber (81 -	2	Bytes	12	Always '05'
Meter Nu	mber	83	4	Bytes	A ⁴	
Record #	<u>6</u>					
Variable	s List	13	64	Bytes	64A1	A list of variables stored in order of appearance in each data cycle. Commas separate the possible abbreviations below
						<pre>N = North/South Comp. E = East/West Comp. S = Scalar Speed D = Direction C = Compass V = Vane T = Time R = Rotor Count Temp= Temperature</pre>
Record N	umber	81	2	Bytes	12	Always '06'
Meter Nu	mber	83	4	Bytes	A4	
Record #	7					
Format		11	64	Bytes	16A4	The format specification which applies to those variables indicated in record no. 6 and stored in the data records
Record N	umber	81	2	Bytes	12	Always '07'
Meter Nu	mber	83	4	Bytes	A4	
		·		·		
<u></u>		L	L	لنبيا		

RECORD FORMAT
RECORD NAME Type I (Header) Records Continued

RECORD NAME Type I	(Header)	Record	s Cont	inued	<u> </u>
14. FIELD NAME	15. POSITION	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	FROM-1 MEASURED INBYTES			=	
		NUMBER	UNITS		
<u> </u>	(c.g., bita, bytos)		<u> </u>		
Records #8, 9, 10		}			
Text	1 .	80	Bytes	20A4	Any information which describes
]		the meter and/or the station.
Record Number	81	.2	Bytes	12	'08', '09' or '10'
Meter Number	83	4	Bytes	A4	
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RECORD NAME Type II (Data) Record

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	(o.g., bits, bytos)	NUMBER	UNITS	··	
V Component	1	5	Bytes	F5.1	North/South velocity component in cm/sec. North is positive
U Component	6	5	Bytes	F5.1	East/West velocity component in cm/sec. East is positive
Speed	11	5	Bytes	F5.1	Current scalar speed in cm/sec.
Direction	16	5	Bytes	F5.0	Current direction in degrees with magnetic correction added.
V Component	21	5	Bytes	F5.1	
U Component	26	5	Bytes	F5.1	
Speed .	31	5	Bytes	F5.1	As above
Direction	36	5 .	Bytes	F5.0	
V Component	41	5	Bytes	F5.1	15
Component	46	. 5	Bytes	F5.1	
Speed	51	5	Bytes	F5.1	As above
Direction	. 56	5	Bytes	F5.0	
V Component	61	5	Bytes	F5.1	5
U Component	66	5	Bytes	F5.1	
Speed	71	5	Bytes	F5.1	As above
Direction	76	5	Bytes	F5.0	
Record Type Sequence No.	81	2	Bytes	-12	Always '11'
Meter Number	83	4	Bytes	Λ4	Individual identification number for each meter
				., .	

USCOMM-DC 44289-P72

DDF A:1:13

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NAPIS 76-1355	INSTITUTION U. OF RHOPE ICLAN
74.70 TR.0103	
VESSEL RN BILLIE II	DATES 10/9/70 TO 3/17/71
CRUISE CSO 63/64/61/80/81/83	
MARSDEN 152 (40+ N , T	10+W)
6 STATIONS (EUR	RENT MEASUREMENTS)
2806 11317 V	COMPONENTS (NORTH)
2807 11317 U	COMPONENTS (EAST)
	ection mereurements
2892 11317 SPEE	
ZOUN HOLL STEE	D MENSUREMENIS
ORIGINATOR TAPE 9423	
USER TAPE 4234 (11, NL)	· · · · · · · · · · · · · · · · · · ·
CALENDAR YEAR 70	CALEUDAR YEAR 71
3 STATIOUS	3 STATIONS
10236 V COMPONENTS	1081 V COMPONENTS
10236 U COMPONENTS	1081 U COMPONENTS
10236 DIRECTION HEAS.	1081 DIREC TION
lo 236 SPEED HEAS.	.

TR0103 DATA DOCUMENTATION FORM

AA FORM 24-13

U.S. DEPARTMENT OF COMMERCE NAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20852

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

TR-0103

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED						
Data Archives Graduate School of O University of Rhode Kingston, RI 02881						
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		MBER(S) USED E	BY ORIGINATOR	TO IDENTIFY
"Rome Point" Project	t		cso 63/64	/80/81/83/	б 1	
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A		7. DA	TES
		•	PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR
R/V Billie II	Ship		U.S.A.	u.s.à.	10/9/70	3/17/71
8. ARE DATA PROPRIETARY X NO YES IF YES, WHEN CAN THE FOR GENERAL USER	EY BE RELEASED		SE DARKEN ALI AINED IN YOUR		ERE COLLECTI	
	CLUDED IN WORLD FOR INTERNA- (Specify Below)	100° 120° 1 //// /// /// /// /// /// /// /// ///	140° 150° 150° 140° 140° 140° 140° 140° 140° 140° 14	170° 100° 80° 60° 277 277 277 277 277 277 277 277 277 27	40° 20° 20° 20° 20° 20° 20° 20° 20° 20° 2	40" 60" 80" 100" 74 77 77 77 77 77 77 77
DATA SHOULD BE ADDRES	WHOM INQUIRIES CONCERNING LD BE ADDRESSED WITH TELE- IBER (AND ADDRESS IF OTHER EM-1) MCB. Williams 407 407 407			011 707 707 707 707 707 707 707 707 707	300 335 336 3711 3372 407 372 408 408 443 444 479	102 102

B. SCIENTI ONTENT

			,	
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
		•		
Instrument Depth	Meters	Current Meter	Corrected Depth	N/A (not applicable)
Letitude	Degrees, Minutes, Tenths of Minutes North or South.	N/A	N/A	N/A
	l location of bousin.	·		<u> </u>
	Degrees, Minutes,	N/A	N/A	N/A
•	Tenths of Minutes. East or West.			
Magnetic Variation	Degrees and	N/A	N/A	N/A
Water Depth	Meters	N/A	Corrected Depth	N/A
Start Time (GMT)	Year Month	Gregorian Calendar	N/A	N/A
	Day Hour Minute			١ .
Sample Interval	Minutes	N/A	N/A	N/A
# Samples	Total number of samples in data	N/A	N/A	N/A
	records.			·
Meter Type		FG & G Model A - 100 EG & G Model A - 102	N/A	N/A
·		EG & G Model A - 850A VACM - Vector Averaging	. •	
		Current Meter, made by AMF Incorporated, Alexandria, VA		
Instrument #	Alpha-numeric Desig.		,	

B. SCIENT CONTENT (CONT'D)

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
Variables: N	<pre>N = North/South velocity com- ponent in cm/sec North being positive.</pre>	•	List of variables, stored in order of appearance in each data cycle. Commas separate the possible abbreviations listed previously.	
E	E = East/West velocity com- ponent in cm/sec East being positive.			
S	S = Scalar Speed in cm/sec.			
D	D = Total direc- tion in degrees (corrected mag- netically)			
С	C = Compass reading in degrees			
v	V = Vane reading in degrees		:	
T	T = Time consist ing of year, month, hour, min. sec. as described in free format label records.			
Temp	Temperature in °C			

B. SCIENT CONTENT (CONT'D)

	······································		CONT.D)	
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
R	R = Rotor Count	•		
Format	Specifications which apply to those variables stored in data records.			
	·			

C. DATA FORMAT

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

LIST RECORD TYPES CONTAINED IN THE TRANSMITTAL GIVE METHOD OF IDENTIFYING EACH RECORD TYPE	L OF YOUR FILE
See technical report noted in section B	(above).
2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
P. Kramer, 4 June 1976, attached.	tter To: E. McB. Williams; From: William
Note: Individual current meters are giv (e,g, GSØ41, GSØ42 etc see first two	DSN= of Tape AQ3CM4)
	•
3. ATTRIBUTES AS EXPRESSED IN PL-1 X FORTRAN	ALGOL COBOL LANGUAGE
4. RESPONSIBLE COMPUTER SPECIALIST: William P. NAME AND PHONE NUMBER Fdwin McB. ADDRESS _CSO/URT, Kingston, R.I.	Williams (401) 792-6285
COMPLETE THIS SECTION IF DATA ARE ON MAGNET	IC TAPE
5. RECORDING MODE BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
ASCII Y EBCDIC	10. END OF FILE MARK OCTAL 17
6. NUMBER OF TRACKS (CHANNELS) SEVEN	Now known
(X) NINE	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
7. PARITY	D:N = AQ3CM4(Standard Label)
X ODD Even	GSO/URI, Data Archives Current Meter Data
8. DENSITY 200 BPI 1600 BPI	TATE # 9423
☐ 556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
X 800 BPI	8000 13. LENGTH OF BYTES IN BITS
	8

USCOMM-DC 44289-P72

NOAA FORM 24-13

C. DATA FORMAT

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

LIST RECORD TYPES CONTAINED IN THE TRANSMITTA	AL OF YOUR FILE
Type I records are header te Each station contains ten (10) h (1 thru 10) in bytes 85-86.	xt records which precede each meter. eader records sequenced by record number
Type II records are data records type "11" in bytes 85-86.	ords and are identified by a record .
•	
2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
File contains three (3) meter	er plants consisting of 86 byte records.
ATTRIBUTES AS EXPRESSED IN PL-1 A FORTRAN 4. RESPONSIBLE COMPUTER SPECIALIST: NAME AND PHONE NUMBER DSF & I BI ADDRESS NODC	anch 634-7505
	T.O. T.O.T.
COMPLETE THIS SECTION IF DATA ARE ON MAGNE 5. RECORDING MODE BCD BINARY ASCII X EBCDIC	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
	10. END OF FILE MARK
6. NUMBER OF TRACKS SEVEN X NINE	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
7. PARITY ODD EVEN	Napis Files PJT Vol II Tape #4234 Label=(N,NL) LRECL=86 RECFM=FB
8. DENSITY 200 BPI X 1600 BPI	
556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES 6400
	13. LENGTH OF BYTES IN BITS
NOAA FORM 24-13	U5COMM-DC 44289-P72

RECORD NAME Type I (Header) Records

RELUKU NAME TYPE I	(neader)	Kecoro			
FIELD NAME	15. POSITION FROM - 1 MEASURED		GTH	17. ATTRIBUTES	18. USE AND MEANING
	IN <u>By tes</u>	NUMBER	UNITS		r.
Record #1					
Project Title	. 18	16	Bytes	16A1	
Investigators	55 .	24	Bytes	24A1	List of principal investigators
Record Number	81	2	Bytes	12	Always '01'
Meter Number	83	4.	Bytes	. A4	Individual identification number for each meter
- 	·.	ļ			
Record #2	·				
GSO Sequence Number	17	8	Bytes	8A1	
Mooring Number and Type	44	16	Bytes	16A1	URI mooring number and type of mooring
ord Number	81	2	Bytes	12	Always '02'
Meter Number	83	4	Bytes	A4	
Record #3					
Meter Type	13	4	Bytes	A4	
Instrument Number	31	4	Bytes	A4	
Instrument Depth	37	6	Bytes	F6.1	Corrected depth in meters
Record Number	81	2 -	Bytes	12	Always '03'
Heter Number	83	4	Bytes	Λ4	
	<u></u>	L	<u></u>	<u></u>	<u></u>

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GTH ,	17. ATTRIBUTES	18. USE AND MEANING
	(o.g., bits, bytes)	NÜMBER	צדואט		
Record #4	ļ.				
Latitude Degrees	6	4	Bytes	14	Whole Degrees
Latitude Minutes	11	5	Bytes	F5.1	Minutes and tenths
Latitude Hemisphere	. 17	1	Bytes	A1	'N' or 'S'
Longitude Degrees	25 .	· 4	Bytes	14	Whole Degrees
Longitude Minutes	30	5	Bytes	F5.1	Minutes and tenths
Longitude Hemisphere	36	1	Bytes	Λ1	'E' or 'W'
Magnetic Variatio	n 49	4	Bytes	,	Absolute value of applied magnetic variation in whole degrees
Magnetic Direction	n 54	1	Bytes		Direction of magnetic variation 'E' or 'W'
Water Depth	75	6	Bytes	F6.1	Vater depth in corrected meters
Record Number	81	2 ·	Bytes	. 12	Always '04'
Meter Number	83	4	Bytes	A4	
Record #5					
Start Year	18	: 4	Bytes	14	
Start Month	23	2	Bytes	. 12	
Start Day	26	2	Bytes	12	All values in G.M.T.
Start Hour	31	2	Bytes	. 12	
Start Minute	. 34	2	Bytes	12	
Sample Interval	53	5	Bytes	F5.1	Numeric designation of the sample interval
Sample Interval Units	59	4	Bytes	A4 .	Time designation of the sample interval, i.e. 'MINS'
		L		ļ	

74. FIELD NAME	15"55517151			17. ATTRIBUTES	TO USE AND MEANING
14. FIELD NAME	15. POSITION FROM - 1	16. LEN	GIA .	,	18. USE AND MEANING
	MEASURED IN Bytes	<u> </u>			
	(o.g., bita, bytes)	NUMBER	דואט		
Booms #5: Cont	(1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0				
Record #5 Cont.				•	·
Sample Count	74	4	Bytes	14	Total number of samples stored in the data records
Record Number	81	2	Bytes	12	Always '05'
Meter Number	83	4	Bytes	A4	
Record #6		<u></u>	•		
Variables List	13	64	Bytes	64Al	A list of variables stored in order of appearance in each data cycle. Commas separate the possible abbreviations below
			·		<pre>N = North/South Comp. E = East/West Comp. S = Scalar Speed D = Direction C = Compass</pre>
			·		V = Vane T = Time R = Rotor Count Temp= Temperature
Record Number	81	2	Bytes	12	Always '06'
Meter Number	83	4	Bytes	A4	
Record #7					
Format	11	64	Bytes	16۸4	The format specification which applies to those variables indicated in record no. 6 and stored in the data records
Record Number	. 81	2	Bytes	12	Always '07'
Meter Number	83	4	Bytes	. A4	

14. FIELD NAME	15. POSITION FROM - 1 MEASURED INBY LES	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	(o.g., bits, bytos)	INUMBER	UNITS		
Records #8, 9, 10					
Text	1	80	Bytes	20A4	Any information which describes the meter and/or the station.
Record Number	81	2	Bytes	12	'08', '09' or '10'
Meter Number	83	4	Bytes	A4	
,					
				•	
·				·	
••			·		
·				·	
·					
	<u></u>				

RECORD NAME Type II (Data) Record

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GТН	17. ATTRIBUTES	18. USE AND MEANING
	(o.g., bits, bytes)	NUMBER	UNITS.		,
V Component	1	5·	Bytes	F5.1	North/South velocity component in cm/sec. North is positive
U Component	6	5	Bytes	F5.1	East/West velocity component in cm/sec. East is positive
Speed	11	.5	Bytes	F5.1	Current scalar speed in cm/sec.
Direction	16	5	Bytes	F5.0	Current direction in degrees with magnetic correction added.
V Component	21 .	5	Bytes	F5.1	
U Component	26	5	Bytes	F5.1	As above
Speed ·	31	5	Byres	F5.1	AS above
Direction	. 36	5	Bytes	F5.0	
V Component	41 .	5	Bytes	F5.1	
Component	46	5	Bytes	F5.1	As above
Speed	51	5	Bytes	F5.1	As above
Direction	56	5	Bytes	F5.0	
V Component	61	5	Bytes	F5.1	
U Component	66	5	Bytes	F5.1	
Speed	71	5	Bytes	F5.1	As above
Direction	76 .	5.	Bytes	F5.0	
Record Type Sequence No.	81	2	Bytes	12	Always '11'
Meter Number	83	4	Bytes	Λ4	Individual identification number for each meter
				·	
7	1				
				· 	USCOMM-DC 44289-P7:

76- 1355	INSTITUTION U. OF RHOSE ISLAND
	DATES 5/8/71 TO 5/13/71
G50 86/90/93/94	
116 (30+N,	70+W)
4 STATIO	ons
2806 6988	V COMPONEUTS (NORTH) OF CURRENT
9807 6988	U COMPONENTS (EAST)
	SPEED MEASUREHENTS
	DIRECTUN MEASUREMENTS
TARE 9423	
4234 (12,	שב <u>)</u>
	4 STATION JEON 6988 2807 6988 2802 6988 2803 6988 7888

NUMBER

76-1355

DATA DOCUMENTATION FORM

TR-0104

OAA FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED						
Data Archives Graduate School of University of Rhode Kingston, RI 02881	Oceanography Island	ATORY, OI	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA A	RE ASSOCIATED
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	WHICH		ABER(S) USED E	BY ORIGINATOR	TO IDENTIFY	
"Gulf Stream" Proje	ct	·	GSO 86/9	00/93/94	·	
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A	ND OPERATOR	7. DA	TES
	(2.0., 3/117, 800	1, 210.,	PLATFORM	OPERATOR	FROM: MO,DAY,YR	TO: MO/DAY/YR
R/V Trident	Ship		U.S.A.	U.S.A.	5/8/71	5/13/71
8. ARE DATA PROPRIETARY X NO YES IF YES, WHEN CAN THE FOR GENERAL USES	EY BE RELEASED		SE DARKEN ALI AINED IN YOUR		ERE COLLECTI	
9. ARE DATA DECLARED NA PROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDINGS TIONAL EXCHANGE?) XNO YES PAR	CLUDED IN WORLD	100° 120° 1 278 242 80° 206 1170 134 20° 134 20° 1063	237 268 180° 180° 140° 140° 140° 150° 160° 160° 160° 160° 160° 160° 160° 16	227 227 227 227 227 227 227 227 227 227	18 23 18 18 18 18 18 18 18 18 18 18 18 18 18	264 (10° 80° 190° 27° 190° 27° 27° 27° 27° 27° 27° 27° 27° 27° 27
10. PERSON TO WHOM INQUIRED DATA SHOULD BE ADDRESS PHONE NUMBER (AND ADDITION IN ITEM-1) Edwin McB. William (401) 792-6285	SSED WITH TELE- PRESS IF OTHER	8° 32° 34° 32° 34° 34° 44° 44° 44° 44° 44° 44° 12° 34° 34° 34° 34° 34° 34° 34° 34° 34° 34	22	011 306 316 365 346 341 382 371 418 454 454 440 450 455 526 521 527 557 120° 100° 60° 60°	300 333 300 333 334 371 372 407 408 444	97
NOAA FORM 24-13					USCO	MM-DC 44289-P72

B. SCIENT C 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
Instrument Depth	Meters	Current Meter	Corrected Depth	N/A (not applicable)
	Degrees, Minutes, Tenths of Minutes, North or South,		N/A	N/A
	Degrees, Minutes, Tenths of Minutes, East or West.		N/A	N/A
Magnetic Variation	Degraes and Direction	N/A	N/A	N/A
Water Depth	Meters	N/A	Corrected Depth	N/A
Start Time (GMT)	Year Month Day Hour Minute	Gregorian Calendar	n/a	N/A
Sample Interval	Minutes	N/A	N/A	N/A
# Samples	Total number of samples in data records.	N/A	N/A	N/A
Meter Type		FG & G Model A - 100 EG & G Model A - 102 EG & G Model A - 850A VACM - Vector Averaging Current Meter, made by AMF Incorporated, Alexandria, VA	n/A	N/A
Instrument #	Alpha-numeric Desig.			

B. SCIE! FIC CONTENT (CONT'D)

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
		;		
Variables: N	<pre>N = North/South velocity com- ponent in cm/sec North being positive.</pre>		List of variables, stored in order of appearance in each data cycle. Commas separate the possible abbreviations listed previously.	
E	E = East/West velocity com- ponent in cm/sec East being positive.			
S	S = Scalar Speed in cm/sec.			
D	D = Total direction in degrees (corrected magnetically)			
С	C = Compass read- ing in degrees			•
v	V = Vane reading in degrees			:
T	T = Time consist ing of year, month, hour, min. sec. as described in free format label records.			
Temp	Temperature in °C			

B. SCIEI TIC CONTENT (CONT'D)

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 '
R	R = Rotor Count	•		
Format	Specifications which apply to those variables stored in data records.			

C. DATA FORMAT

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

1. LIST RECORD TYPES CONTAINED IN THE TRANSMIT GIVE METHOD OF IDENTIFYING EACH RECORD TYPE	
See technical report noted in section	B (above).
•	
•	
GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
File organization is as shown on URI P. Kramer, 4 June 1976, attached.	letter To: E. McB. Williams; From: William
Note: Individual current meters are garden, GSØ41, GSØ42 etc see first to	iven a U.R.I. Institutional number - wo DSN= of Tape AQ3CM4)
	·
ATTRIBUTES AS EXPRESSED IN PL-1 FORTRAN	ALGOL COBOL LANGUAGE
	D. V (k01) 702 6108
RESPONSIBLE COMPUTER SPECIALIST: William . NAME AND PHONE NUMBERFdwin_Mc_	B. Williams (401) 792-6285
ADDRESS GSO/URI, Kingston, R.I.	
COMPLETE THIS SECTION IF DATA ARE ON MAGN	ETIC TAPE
RECORDING MODE BCD BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNOWN) 3/4 INCH
ASCII Y EBCDIC	· · · · · · · · · · · · · · · · · · ·
	10. END OF FILE MARK
NUMBER OF TRACKS	Nog known
(CHANNELS) SEVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUIDE
X NINE	ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
	DON = AQ3CM4(Standard Label)
. PARITY XX ODD	GSO/URI, Data Archives
EVEN .	Current Meter Data
. DENSITY 200 BPI 1600 BPI	TATE # 9423
556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
	8000
. EXI 900 851	13. LENGTH OF BYTES IN BITS
<u> </u>	_ 8

U5COMM-DC 44289-P72

NOAA FORM 24-13

C. DATA FORMAT

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

	S CONTAINED IN THE TRANSMIT ENTIFYING EACH RECORD TYPE	
•	•	
	T	
Туре	t records are header t	ext records which precede each meter.
Each sta	tion contains ten (10)	header records sequenced by record number
(I.thru	10) in bytes 85-86.	
·		
Туре	e 11 records are data re	cords and are identified by a record
type 11	l" in bytes 85-86.	
	•	
'		<u> </u>
. GIVE BRIEF DESCRI	PTION OF FILE ORGANIZATION	
Fil	e contains three (3) me	ter plants consisting of 86 byte records.
	onice (3) me	oci pianos consisting of oo byte records.
		·
ATTRIBUTES AS EXI	PRESSED IN PL-1	ALGOL COBOL
ATTRIBUTES AS EXT	A FORTRAN	LANGUAGE
•		LANGUAGE
. RESPONSIBLE COMP	UTER SPECIALIST:	·
· · · · · · ·	PHONE NUMBER DSF & I	Branch 634-7505
ADDRESS		
**		
COMPLETE THE	SECTION IS DATA ARE ON MACH	IETIC TARE
RECORDING MODE	SECTION IF DATA ARE ON MAGN	9. LENGTH OF INTER-
A RECORDING MODE	BCD BINARY	RECORD GAP (IF KNOWN) X 3/4 INCH.
•		
	ASCII X EBCDIC	
	<u> </u>	10. END OF FILE MARK
		
. NUMBER OF TRACK (CHANNELS)	S SEVEN	
(CHANNELS)		11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE
	X NINE	ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
• .		OF DATA TYPE, VOLUME NUMBER)
		Napis Files PJT Vol II
7. PARITY		Tape #4234
		Label=(12,NL) LRECL=86
-	. LEVEN	RECFM=FB
. DENSITY		n-ro
•	200 BPI X 1600 BPI	
	556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
		6400
	800 BPI	13. LENGTH OF BYTES IN BITS
		_
•		- 6
IOAA FORM 24-13		U5COMM-DC 44289-P7

RECORD NAME	Type I	(Header)	Records
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	•				
14. FIELD NAME	15. POSITION FROM - 1	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN Bytes				
		NUMBER	UNITS		
Record #1					
Project Title	18	16	Bytes	16A1 '	
Investigators	55	24	Bytes	24A1	List of principal investigators
Record Number	81	2	Bytes	12	Always '01'
Meter Number	83	4	Bytes	A4	Individual identification number for each meter
Record #2					
GSO Sequence Number	17	8	Bytes	8A1	
Mooring Number and Type	44	16	Bytes	16A1	URI mooring number and type of mooring
Record Number	81	. 2	Bytes	12	Always '02'
Meter Number	83	4 .	Bytes	A4	
Record #3					
Meter Type	13	4	Bytes	A4 .	
Instrument Number	31	4	Bytes	A4 .	
Instrument Depth	37	6.	Bytes	F6.1	Corrected depth in meters
Record Number	81	.2	Bytes	12	Always '03'
Neter Number	83	4	Bytes	Λ4	
				<u> </u>	

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GTH ,	17. ATTRIBUTES	18. USE AND MEANING
I	(o.g., bits, bytos)	NUMBER	UNITS		
Record #4	•				
Latitude Degrees	6	4	Bytes	14	Whole Degrees
Latitude Minutes	11	5	Bytes	F5.1	Minutes and tenths
Latitude Hemisphere	. 17	1	Bytes	Al	'N' or 'S'
Longitude Degrees	25	· 4	Bytes	14	Whole Degrees
Longitude Minutes	30	5	Bytes	F5.1	Minutes and tenths
Longitude Hemisphere	36	1	Bytes		'E' or 'W'
Magnetic Variatio	n 49	4	Bytes	14	Absolute value of applied magnetic variation in whole degrees
Magnetic Directio	n 54	1	Bytes	A1	Direction of magnetic variation 'E' or 'W'
ater Depth	75	6	Bytes	F6.1	Water depth in corrected meters
Record Number	81	2	Bytes	12	Always '04'
Meter Number	83	4	Bytes	A4	
Record #5					
Start Year	18	4	Bytes	14	
Start Month	23	2	Bytes	12	
Start Day	26 _.	2	Bytes	12	All values in G.M.T.
Start Hour	31	2	Bytes	12	
Start Minute	34	2	ytes	12	
Sample Interval	53	5	Bytes	F5.1	Numeric designation of the sample interval
Sample Interval Units	59	4	ytes	A4	Time designation of the sample interval, i.e. 'MINS'
NOAA FORM 24-12		<u> </u>	<u> </u>	1.	USCOMM-DC 44249-P72

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GTH	17. ATTRIBUTES	18. USE AND MEANING
<u> </u>	'IN Bytes (o.g., bits, bytes)	NUMBER	UNITS		
Record #5 Cont.					
Sample Count	74	4	Bytes	14	Total number of samples stored in the data records
Record Number	81	2	Bytes	. 12	Always '05'
Meter Number	83	4	Bytes	A4	
Record #6					
Variables List	13	64	Bytes	64A1	A list of variables stored in order of appearance in each data cycle. Commas separate the possible abbreviations below
			·		<pre>N = North/South Comp. E = East/West Comp. S = Scalar Speed D = Direction C = Compass V = Vane T = Time R = Rotor Count Temp= Temperature</pre>
Record Number	81	2	Bytes	12	Always '06'
Meter Number	83	4.	Bytes	A4	
Record #7		·		<u> </u>	
Format	11	64	Bytes	16A4 	The format specification which applies to those variables indicated in record no. 6 and stored in the data records
Record Number	81	2	Bytes	12	Always '07'
Meter Number	83	4	Bytes	.A4	
					

RECORD FORMAT
RECORD NAME Type I (Header) Records Continued

RECORD NAME Type I	•			17. ATTRIBUTES	TIR USE AND MEANING
14. FIELU NAME	15. POSITION FROM - 1	IO. LEN		' -	18. USE AND MEANING
1	MEASURED INBytes	\	Γ	1	
	(o.g., bits, bytes)	NUMBER	TSואט		
Records #8, 9, 10				<u> </u>	
Torre	1	80	Bytes	20A4	Any information which describes
Text	1	80	byces	2084	the meter and/or the station.
		}		·	1
Record Number	. 81	· 2	Bytes.	12	'08', '09' or '10'
Manage March and	0.2	,			
Meter Number	83	. 4	Bytes	A4	
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RECORD NAME Type II (Data) Record

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	16. LEN	GTH .	17. ATTRIBUTES	18. USE AND MEANING
	IN Bytes (o.g., bits, bytos)	NUMBER	טאודs		
V Component	1	5	Bytes	F5.1	North/South velocity component in cm/sec. North is positive
U Component	6	5	Bytes	F5.1	East/West velocity component in cm/sec. East is positive
Speed	11	.5	Bytes	F5.1	Current scalar speed in cm/sec.
Direction	16	5	Bytes	F5.0	Current direction in degrees with magnetic correction added.
V Component	21	5	Bytes	F5.1	
U Component	26	5	Bytes-	F5.1	
Speed ·	31	5	Bytes	F5.1	As above
Direction	36	5	Bytes	"F5.0	
V Component	41	5	Bytes	F5.1	5
U Component	46	5	Bytes	F5.1	
Speed	·. 51	5	Bytes	F5.1	As above
Direction	56	5	Bytes	F5.0	
V Component	61	.5	Byt <u>e</u> s	F5.1)
U Component	66	5	Bytes	F5.1	
Speed	71	5	Bytes	F5.1	As above
Direction	76	5	Bytes	F5.0	
Record Type Sequence No.	81	2	Bytes	12	Always '11'
Meter Number	83	4	lytes	Λ4	Individual identification number for each meter
·					
					·

1. 2 <u>T</u> S	76-1355			INSTIT	UTION	U. 05	RHODE ISLAND
Ry 710 -	TR-0105						· <u></u>
VESSEL			· ·	PATES	3/14/	72	3/16/72
CRUISE	G50 \ 105	<u>i/106/107/10</u>	8				
MARSDEN	002	(0+ N,	10+W)			
	1	STATIO	<i>, , , , , , , , , ,</i>				
	·	858	V c	CT45409MO	(NORTH)	or cures	
	 	858	U c	2743409 MO	(EAST) O	+ CUERE	•
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	3_	STATION	٥٤				·
		2511	V co	MPONENTS	(NORTH)	of cup	7439
		2511	<u>U</u>	MPONENTS	(EAST)	مة ديور	(ENT
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ORIGINATOR .	TAPE	9423					
USER TAPE	4 2	234 (13,41	_)				
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DATA DOCUMENTATION FORM

TR-0105

7AA FORM 24-13

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U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEANOGRAPHIC DATA CENTER RECORDS SECTION ROCKVILLE, MARYLAND 20852 FORM APPROVED O.M.B. No. 41-R2651

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 rime. This may be most easily accomplished by attaching reports, publications, or manuscripts which are readily available describing data collection, analysis, and format specifics. Readable, handwritten submissions are acceptable in all cases. All data shipments should be sent to the above address.

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF IN	ISTITUTION, LABOR	ATORY, O	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA AL	RE ASSOCIATED	
Data Archives Graduate School of Oceanography University of Rhode Island Kingston, RI 02881							
2. EXPEDITION, PROJECT, O DATA WERE COLLECTED	R PROGRAM DURING	WHICH		MBER(S) USED E	BY ORIGINATOR	TO IDENTIFY	
Atlantic Equatorial	Current" Proje	ect	GSO 105/	106/107/108	3		
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A		}	TES	
			PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR	
R/V Trident	Ship		U.S.A.	U.S.A.		3/16/72	
8. ARE DATA PROPRIETARY X NO YES IF YES, WHEN CAN TH FOR GENERAL USE!	EY BE RELEASED		SE DARKEN ALI AINED IN YOUR		ERE COLLECTI		
	CLUDED IN WORLD FOR INTERNA- (Specify Below)	278 C	140° 180° 180° 140° 140° 140° 140° 140° 140° 140° 14	120° 100° 80° 80° 222 227 227 222 191 119 114 119 114	073108	104 2 000 365 088	
10. PERSON TO WHOM INQUIRI DATA SHOULD BE ADDRES PHONE NUMBER (AND ADD THAN IN ITEM-1) Edwin McB. William (401) 792-6285	SED WITH TELE- RESS IF OTHER	8° 32° 377 20° 377 40° 45° 505 505 507 120° 120°	102 0.16 320 315 320 315 327 337 327 327 423	011 366 367 367 367 367 367 367 367 367 367	33637 L/ 372 407	1027 027	

B. SCIEN' IC 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 PROC. SING TECHNIQUES WITH FILTERING AND AVERAGING	
		;		·	
Instrument Depth	Meters	Current Meter	Corrected Depth	N/A (not applicable)	
	Degrees, Minutes, Tenths of Minutes, North or South,	N/A	n/a	N/A	
Longitude	Degrees, Minutes, Tenths of Minutes, East or West.	N/A	N/A	N/A	
fagnetic Variation	Degrees and Direction	N/A	N/A	N/A	
Water Depth	Meters	N/A	Corrected Depth	N/A	
Start Time (GMT)	Year Month Day Hour Minute	Gregorian Calendar	N/A	N/A	
Sample Interval	Minutes	N/A	N/A	N/A	
# Samples	Total number of samples in data records.	N/A	N/A	N/A	
Meter Type		EG & G Model A - 100 EG & G Model A - 102 EG & G Model A - 850A VACM - Vector Averaging Current Meter, made by AMF Incorporated, Alexandria, VA	N/A	n/A	
Instrument #	Alphe-numeric Desig.				

B. SCIE FIC CONTENT (CONT'D)

	1	METHODS OF OBSERVATION AND	ANALYTICAL METHODS	DATA BROSSOS
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
		•		
Variables: N	N = North/South velocity com- ponent in cm/sec North being positive.		List of variables, stored in order of appearance in each data cycle. Commas separate the possible abbreviations listed previously.	
E	E = East/West velocity con- ponent in cm/sec East being positive.	·		
S	S = Scalar Speed in cm/sec.			
D	D = Total direc- tion in degrees (corrected mag- netically)			
c :	C = Compass reading in degrees			
v	V = Vane reading in degrees			
Т	T = Time consist ing of year, month, hour, min. sec. as described in free format label records.			
Temp	Temperature in °C			
	<u> </u>	<u></u>		USCOMM-DC 44242-P7

B. SCIEPTIFIC CONTENT (CONTID)

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED	ANALYTICAL METHODS	DATA PROCESSING
		(SPECIFY TYPE AND MODEL)	(INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	TECHNIQUES WITH FILTERING AND AVERAGING
R .	R = Rotor Count	•		
Format	Specifications which apply to those variables stored in data records.			
	1000143.			
	·			

C. DATA FORMÁT

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

LIST RECORD TYPES CONTAINED IN THE TRANSMITS SIVE METHOD OF IDENTIFYING EACH RECORD TYPE	•
See technical report noted in section	B (above).
•	•
•	
GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
File organization is as shown on URI 1 P. Kramer, 4 June 1976, attached.	Letter To: E. McB. Williams; From: William
Note: Individual current meters are gi (e,g, GSØ41, GSØ42 etc see first tw	ven a U.R.I. Institutional number - vo DSN= of Tape AQ3CM4)
	•
	· · · · · · · · · · · · · · · · · · ·
ATTRIBUTES AS EXPRESSED IN PL-1	ALGOL COBOL
Ĺ∑ FORTRAN (LANGUAGE
RESPONSIBLE COMPUTER SPECIALIST: William I NAME AND PHONE NUMBER Fdwin McI ADDRESS GSO/URT, Kingston, R.I.	3. Williams (401) 792-6285
COMPLETE THIS SECTION IF DATA ARE ON MAGN RECORDING MODE	9. LENGTH OF INTER-
BCD BINARY	RECORD GAP (IF KNOWN) 3/4 INCH
ASCII X EBCDIC	
	10. END OF FILE MARK OCTAL 17
NUMBER OF TRACKS (CHANNELS) SEVEN	Nog known
X NINE	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUIDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
	OF DATA TYPE, VOLUME NUMBER)
<u> </u>	D::Ni = AQ3CM4(Standard Label)
PARITY	GSO/URI, Data Archives
EVEN	Current Meter Data
DENSITY 200 BPI 1600 BPI	TAIL # 9423
· — —	12. PHYSICAL BLOCK LENGTH IN BYTES
	8000
X 800 BP1	13. LENGTH OF BYTES IN BITS
	_ 8
•	

. C. DATA FORMAT

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

1. LIST RECORD TYPES CONTAINED IN THE TRA GIVE METHOD OF IDENTIFYING EACH RECOR	
Type I records are hea Each station contains ten (1 thru 10) in bytes 85-86	dder text records which precede each meter. (10) header records sequenced by record number (5.
Type II records are datype "11" in bytes 85-86.	ata records and are identified by a record
•	
. GIVE BRIEF DESCRIPTION OF FILE ORGANIZ	ATION
File contains three (3) meter plants consisting of 86 byte records.
	MALGOL MCOBOL
RESPONSIBLE COMPUTER SPECIALIST: NAME AND PHONE NUMBER DSF ADDRESS NODC	& I Branch 634-7505
COMPLETE THIS SECTION IF DATA ARE O	
BCD BINAR	
ASCII X EBCDI	10. END OF FILE MARK OCTAL 17
NUMBER OF TRACKS (CHANNELS) SEVEN	
X NINE	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
. 🗆	Napis Files PJT Vol II
PARITY ODD	Tape #4234 Label=(13, NL) LRECL=86
. DENSITY 200 BPI 1600 B	RECFM=FB
556 BPI	12. PHYSICAL BLOCK LENGTH IN BYTES
800 BPI	6400
·	
OAA FORM 24-13	USCOMM-DC 44289-P

ECORD NAME Type I (Header) Records

ECORD NAME Type 1	(neader)	Kecord	15	·	
14. FIELD NAME	15. POSITION FROM - 1		<u> СТН</u>	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED IN Bytes		·		
	(o.g., bits, bytos)	NUMBER	UNITS		
Record #1					
Project Title	18	16	Bytes	16A1	
Investigators	55	24	Bytes	24A1	List of principal investigators
Record Number	81	2	Bytes	12	Always '01'
Meter Number	83	4	Bytes	A4	Individual identification number for each meter
Record #2					
GSO Sequence Number	17	.8	Bytes	8A1	
Mooring Number and Type	44	16	Bytes	16A1	URI mooring number and type of mooring
Record Number	81	2	Bytes	12	Always '02'
Meter Number	83	4	Bytes	A4	
Record #3					
Meter Type	13	4	Bytes	A4	
Instrument Number	31	4 .	Bytes	A4	
Instrument Depth	37	6	Bytes	F6.1	Corrected depth in meters
Record Number	81	2	Bytes	12	\frac{1}{\text{Nlways}} '03'
Meter Number	83	4	Bytes	Λ4	
		·.			
	<u></u>	!	<u> </u>	l	L

RECORD NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED INBYTES	16. LEN	GTH ,	17. ATTRIBUTES ·	18. USE AND MEANING
	(o.g., bits, bytos)	NUMBER	UNITS		:
Record #4					
Latitude Degrees	6	4	Bytes	14	Whole Degrees
Latitude Minutes	11	5	Bytes	F5.1	Minutes and tenths
Latitude Hemisphere	17	1	Bytes	A1	'N' or 'S'
Longitude Degrees	25	4.	Bytes	14	Whole Degrees
Longitude Minutes	30	5	Bytes	F5.1	Minutes and tenths
Longitude Hemisphere	36	. 1	Bytes	A1	'E' or 'W'
Magnetic Variatio	n 49	4	Bytes		Absolute value of applied magnetic variation in whole degrees
Magnetic Direction	n 54	1	Bytes	Al	Direction of magnetic variation 'E' or 'W'
.ter Depth	75	6	Bytes	F6.1	Vater depth in corrected meters
Record Number	81	2	Bytes	12	Always '04'
Meter Number	83	4.	Bytes	A4	
	· · · · · · · · · · · · · · · · · · ·	 			
Record #5			·		
Start Year	18	4	Bytes	14	
Start Month	23	2	Bytes	12	
Start Day	. 26	2	Bytes	12	All values in G.M.T.
Start Hour	31	2	Bytes	12	
Start Minute	34	2	ytes	12	
Sample Interval	53	5	Bytes	F5.1	Numeric designation of the sample interval
Sample Interval Units	59	4	Bytes	A4	Time designation of the sample interval, i.e. 'MINS'
NOAA FORM 24-13	·	<u> </u>	<u> </u>	<u> </u>	USCOMM-DC 44289-P72

KLCOM . J WAL DESCRIPTION

RECORD NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN BYTES (o.g., bits, bytes)	16. LEN		17. ATTRIBUTES ,	18. USE AND MEANING
Record #5 Cont.	(U.g., Ulla, Dyles)				
Sample Count	74	4	Bytes	14	Total number of samples stored in the data records
Record Number	81	2	Bytes	12	Always '05'
Meter Number	83	4	Bytes	A4	
Record #6					
Variables List	13	64	Bytęs	64A1	A list of variables stored in order of appearance in each data cycle. Commas separate the possible abbreviations below
					<pre>N = North/South Comp. E = East/West Comp. S = Scalar Speed D = Direction C = Compass V = Vane</pre>
					T = Time R = Rotor Count Temp= Temperature
Record Number	81	2	Bytes	12	Always '06'
Meter Number	83	4	Bytes	A4	
Record #7					
Format	11	64	Bytes	16A4	The format specification which applies to those variables indicated in record no. 6 and stored in the data records
Record Number	81	2	Bytes	12	Always '07'
Meter Number	83	4	Bytes	. A4	

RECORD NAME Type I (Header) Records Continued

NOAA FORM 24-13

14. FIELD NAME	15. POSITION FROM - 1	16. LEN	GТH	17. ATTRIBUTES	18. USE AND MEANING
	MEASURED INBy tes	NUMBER	UNITS	;	
	(o.g., bits, bytos)	-			
Records #8, 9, 10	•			-	
Text	1	80	Bytes	·20A4	Any information which describes the meter and/or the station.
Record Number	81	. 2	Bytes	12	'08', '09' or '10'
Meter Number	83	4	Bytes	A4	
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]		
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					·
	-				

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* RECORD NAME Type II (Data) Record

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN BYTES		GTH '	17. ATTRIBUTES	18. USE AND MEANING
L	(e.g., bits, bytes)	NUMBER	UNITS		
V Component	1	6,	Bytes	F6.2	North/South velocity component in cm/sec. North is positive
U Component	. 7	6	Bytes	F6.2	East/West velocity component in cm/sec. East is positive
V Component	13	6	Bytes	F6.2	
U Component	19	6	Bytes	F6.2	As above
V Component	25	. 6	Bytes	F6.2	A
U Component	31	6 -	Bytes	F6.2	As above
V Component	37 .	6	Bytes	F6.2	Ac al
U Component	43	6	Bytes	F6.2	As above
V Component	49	6 ·	Bytes	F6.2	
U Component	55	6	Bytes	F6.2	As above
Component	61	. 6	Bytes	F6.2	
U Component	67	6	Bytes	F6.2	As above
Blank	73	8	Bytes	8x	
Record Type Sequence No.	81	2	Bytes	12	Always 'll'
Meter Number	83	4	Bytes	А4	Individual identification number for each meter
				l i	
				•	·
I:		-		·	
NOAA FORM 24-13					USCOMM-DC 44289-D72

DDF-A:1:13

DATA DOCUMENTATION FORM

TR-0106

1A FORM 24-13

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852

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

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

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

1. NAME AND ADDRESS OF I	NSTITUTION LABOR	ATORY OF	R ACTIVITY WIT	H WHICH SUBM	ITTED DATA A	RE ASSOCIATED
Data Archives Graduate School of University of Rhode Kingston, RI 02881	Oceanography Island	,				
2. EXPEDITION, PROJECT, C DATA WERE COLLECTED	DR PROGRAM DURING	WHICH		MBER(S) USED E	BY ORIGINATOR	TO IDENTIFY
MODE		····	GSO 98	/101		
4. PLATFORM NAME(S)	5. PLATFORM TYPE (E.G., SHIP, BUO		6. PLATFORM A NATIONALIT	ND OPERATOR Y(IES)		TES
			PLATFORM	OPERATOR	FROM: MODAY,YR	TO: MO/DAY/YR
R/V Trident	Ship		U.S.A.	U.S.A.	10/26/71	10/28/71
IF YES, WHEN CAN THE FOR GENERAL USE? 9. ARE DATA DECLARED NA PROGRAM (DNP)? (I.E., SHOULD THEY BE IN DATA CENTERS HOLDING TIONAL EXCHANGE?)	YEAR MONTH TIONAL NCLUDED IN WORLD S FOR INTERNA-	CONT	AINED IN YOUR	GENERAL AR	ERE COLLECTI	
XNO YES PAR 10. PERSON TO WHOM INQUIR DATA SHOULD BE ADDRE PHONE NUMBER (AND ADI THAN IN ITEM-I) Edwin McB. Willia (401) 792-6285	SSED WITH TELE- DRESS IF OTHER	20° 0.0 20° 0.	165 160 160 170 170 170 170 170 170 170 170 170 17	155 18 18 18 18 18 18 18	156 143 101 130 101 130 101 102 101 105 101 105 101 105 105 443 444 419	1/6.7 (9 111 40° 111) 40° 111 40° 111 40° 111 111 40° 111 111 111 111 111 111 111 111 111 1

B. SCIENTI' 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 PROCESG TECHNIQUES WITH FILTERING. AND AVERAGING		
Instrument Depth	Meters	; Current Meter	Corrected Depth	N/A (not applicable)		
	1.000.0	·	_	in, it (not applicable)		
Latitude	Degrees, Minutes, Tenths of Minutes North or South.		N/A	N/A		
	Degrees, Minutes, Tenths of Minutes East or West.		n/a	n/a		
 Magnetic Variation .	Degrees and Direction	N/A	N/A	N/A		
Water Depth	Meters	N/A	Corrected Depth	N/A		
Start Time (GMT)	Year Month Day Hour Minute	Gregorian Calendar	N/A	N/A		
Sample Interval	Minutes	N/A	N/A	N/A		
# Samples	Total number of samples in data records.	N/A	N/A	N/A		
Meter Type		FG & G Model A - 100 EG & G Model A - 102 EG & G Model A - 850A VACM - Vector Averaging Current Meter, made by AMF Incorporated, Alexandria, VA	n/A	N/A		
Instrument #	Alpha-numeric Desig.					

B. SCIENT' CONTENT (CONT'D)

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
		•		•
Variables: N	N = North/South velocity com-		List of variables, stored in order of appearance in	
	ponent in cm/sec North being		each data cycle. Commas separate the possible	
•	positive.		abbreviations listed previously.	
E	E = East/West			
	velocity com- ponent in cm/sec			
	East being positive.			
S	S = Scalar Speed in cm/sec.			
. D	D = Totel direc- tion in degrees			•
	(corrected mag- netically)			
С	C = Compass read- ing in degrees			
v	V = Vane reading in degrees			
Т	T = Time consist ing of year, month, hour, min.			
	sec. as described in free format label records.			
Temp	Temperature in °C			

B. SCIENT 'C CONTENT (CONT'D)

		(CONT D)									
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							
R	R = Rotor Count	•		•							
Format	Specifications which apply to										
	those variables stored in data										
	records.			•							
	·		•								
·											
			•								
·	•										

C. DATA FORMAT

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

	ORIGINATUR TAP
LIST RECORD TYPES CONTAINED IN THE TRANSMIT SIVE METHOD OF IDENTIFYING EACH RECORD TYPE	TAL OF YOUR FILE
See technical report noted in section	B (above).
GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION	
File organization is as shown on URI P. Kramer, 4 June 1976, attached. Note: Individual current meters are g. (e,g, GS941, GS942 etc see first to	letter To: E. McB. Williams; From: William iven a U.R.I. Institutional number -
(e,g, GD)41, GD)42 etc see IIIst of	MO DOW- OI Tabo 114701114
•	
RESPONSIBLE COMPUTER SPECIALIST: William NAME AND PHONE NUMBER Fdwin Mc	LANGUAGELANGUAGE P. Kramer (401) 792-6108 B. Williams (401) 792-6285
ADDRESS GSO/URI, Kingston, R.I.	02881
COMPLETE THIS SECTION IF DATA ARE ON MAGN	9. LENGTH OF INTER-
BCD BINARY	RECORD GAP (IF KNOWN) 3/4 INCH
ASCII X EBCDIC	10. END OF FILE MARK
NUMBER OF TRACKS	No⊋ known
(CHANNELS) SEVEN X	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS
	DEN = AQ3CM4 (Standard Label)
PARITY	GSO/URI, Data Archives
DENSITY	Current Meter Data
	12. PHYSICAL BLOCK LENGTH IN BYTES
556 BPI	. 8000
;	13. LENGTH OF BYTES IN BITS
· •	_ 8

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C. DATA FORMAT

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

IST RECORD TYPES			L.OF YOUR FILE	
Each sta	I records tion contai 10) in byte	ns ten (10) he	t records which presented records sequen	ecede each meter. nced by record number
Type type "11	II records " in bytes	are data reco 85-86.	ords and are identi	fied by a record
9 .				
. GIVE BRIEF DESCRIF	TION OF FILE	ORGANIZATION		
Fil	e contains	three (3) mete	er plants consisting	g of 86 byte records.
•				
	•		·	. ·
• . •		•		
	·	· · · · · · · · · · · · · · · · · · ·		
ATTRIBUTES AS EXF	PRESSED IN [PL-1 X FORTRAN	ALGOL COBOL	N GU A G E
I. RESPONSIBLE COMP NAME AND ADDRESS	PHONE NUMBE	TO 277 A 27 TO	anch 634-7505	
COMPLETE THIS	SECTION IF DA	TA ARE ON MAGNE	TIC TAPE	· .
5. RECORDING MODE	ВСР [BINARY	9. LENGTH OF INTER- RECORD GAP (IF KNO	WN) 🛣 3/4 INCH
	ASCII	EBCDIC	10. END OF FILE MARK	OCTAL 17
5. NUMBER OF TRACKS (CHANNELS)	S SEVEN			BEL DESCRIPTION (INCLUDE
	X NINE			ND SOME LAY SPECIFICATIONS
7. PARITY	ODD		Napis Files PJT Tape #4234 Label=(M,NL)	Vol II LRECL=86
8. DENSITY			-	RECFM=FB
	556 BPI		12. PHYSICAL BLOCK LE 6400	NGTH IN BYTES
	800 BPI		13. LENGTH OF BYTES IN	N BITS
			. 6	

RECORD NAME Type I (Header) Records

14. FIELD NAME	FROM-1			17. ATTRIBUTES	18. USE AND MEANING		
	MEASURED IN Bytes		<u> </u>				
	(e.g., bits, bytes)	NUMBER	UNITS				
Record #1							
Project Title	18	. 16	Bytes	16A1			
Investigators	55	24	Bytes	. 24A1	List of principal investigators		
Record Number	81	2	Bytes	12	Always '01'		
Meter Number	83	4	Bytes	A4	Individual identification number for each meter		
Record #2							
GSO Sequence Number	17	8	Bytes	8A1			
Mooring Number and Type	44	16 .	Bytes	16A1	URI mooring number and type of mooring		
I ord Number	81	2	Bytes	12	Always '02'		
Meter Number	83	4	Bytes	A4			
Record #3							
Meter Type	. 13	4	Bytes	A4			
Instrument Number	31	4	Bytes	A4			
Instrument Depth	37	6.	Bytes	F6.1	Corrected depth in meters		
Record Number	81	2	Bytes	12	Always '03'		
Meter Number	83	4	Bytes	Λ4			

RECORD NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED	ł	GTH ,	17. ATTRIBUTES	18. USE AND MEANING
	(0.4., bits, bytos)	NUMBER	UNITS		
Record #4				·	
Latitude Degrees	6	4	Bytes	14	Whole Degrees
Latitude Minutes	11	5	Bytes	F5.1	Minutes and tenths
Latitude Hemisphere	17	1	Bytes	A1	'N' or 'S'
Longitude Degrees	25	4	Bytes	14	Whole Degrees
Longitude Minutes	30	5	Bytes	F5.1	Minutes and tenths
Longitude Hemisphere	36	1	Bytes	Al	'E' or 'W'
Magnetic Variatio	h 49	4	Bytes	14	Absolute value of applied magnetic variation in whole degrees
Magnetic Direction	n 54	1	Bytes	Al	Direction of magnetic variation 'E' or 'W'
Water Depth	75	6 ·	Bytes	F6.1	Vater depth in corrected meters
Record Number	81	2	Bytes	12 ;	Always '04'
Meter Number	83	4.	Bytes	A4	
Record #5					
Start Year	18	4	Bytes	14	
Start Month	23	. 2	Bytes	12	
Start Day	26	2.	Bytes	12	All values in G.M.T.
Start Hour	31	2	Bytes	12	
Start Minute	34	2	ytes	12	
Sample Interval	53	5	Bytes	F5.1	Numeric designation of the sample interval
Sample Interval Juits	59	4	lytes	. A4	Time designation of the sample interval, i.e. 'MINS'
1	<u> </u>	<u> </u>	.i	<u>i </u>	

RECORD NAME Type I (Header) Records Continued

						
FROM-1	1		, ATTRIBUTES	18. USE AND MEANING		
MEASURED IN Bytes			.:			
	NUMBER	UNITS				
. 74	4 ·	Bytes	14	Total number of samples stored in the data records		
81	2	Bytes	12	Always '05'		
83	4	Bytes	A4			
·						
13	64	Bytes	64Al	A list of variables stored in order of appearance in each data cycle. Commas separate the possible abbreviations below		
				<pre>N = North/South Comp. E = East/West Comp. S = Scalar Speed D = Direction C = Compass V = Vane T = Time R = Rotor Count Temp= Temperature</pre>		
81	2	Bytes	12	Always '06'		
83	4	Bytes	A 4			
11	64	Bytes	16۸4	The format specification which applies to those variables indicated in record no. 6 and stored in the data records		
81	2	Bytes	12	Always '07'		
. 83	4	Bytes	. A4			
	MEASURED IN Bytes) 74 81 83 13 11	## PROM-1 MEASURED IN Bytes NUMBER	FROM-1 MEASURED (0.4. bits, bytes) 74	### PROM-1 MERSURED NUMBER UNITS 74		

RECORD NAME Type I (Header) Records Continued

NOAA FORM 24-13

RECORD NAME Type I		Kecord	•		
14. FIELD NAME	15. POSITION	16. LEN	GTH .	17. ATTRIBUTES	18. USE AND MEANING
	FROM-1 MEASURED INBytes				
	1	NUMBER	UNITS		
	(o.g., bits, bytos)			·	
	1	1	1		
Records #8, 9, 10	4		}	i .	
		00	<u>.</u>	9047	
Text	1	80	Bytes	20A4	Any information which describes
					the meter and/or the station.
Record Number	81	. 2	Bytes	. 12	'08', '09' or '10'
, wecold wamper	02	2	,,,,,,		00, 00 01 20
Meter Number	83	4	Bytes	A4	
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USCOMM-DC 44289-P72

RECORD NAME Type II (Data) Record

FIELD NAME	15. POSITION FROM - 1 MEASURED IN BYTES	1	GTH '	17. ATTRIBUTES	18. USE AND MEANING
	(e.g., bits, bytes)	NUMBER	UNITS		
V Component	. 1	6 [.]	Bytes	F6.2	North/South velocity component in cm/sec. North is positive
U Component	7	6	Bytes	F6.2	East/West velocity component in cm/sec. East is positive
V Component	13	6	Bytes	F6.2	
U Component	19	6	Bytes	F6.2	As above
V Component	. 25	6	Bytes	F6.2	
U Component	31	6 r	Bytes	F6.2	As above
V Component	37	6	Bytes	F6.2	A 2
U Component	43	6	Bytes	F6.2	As above
V Component	49	6 ·	Bytes	F6.2	A 1
U Component	55	6 ·	Bytes	F6.2	As above
V Component	61	6	Bytes	F6.2	A = -2
U Component	67	6	Bytes	F6.2	As above
Blank	73	8	Bytes	8x	
Record Type Sequence No.	81	2	Bytes	I2	Always 'll'
Meter Number	83	4	Bytes	А4	Individual identification number for each meter
				·	
					٠.
·				'	•
'					
1					

NAPIS	76-1355		TUTITOLI	100	ع د د	RHODE	ISLAND
Blan.	TR-0106						
VESSEL	TRIDENT	······································	DATES	10/26/	71 70	10/28/	71
Manager	۵ ۳۹					DEP TH)	
MARSDEN	(20+N, 60+N)		HOITATE	CORRE	DI AI	DEF (11)	
		1728	V COMPE	STABLE	(NORTH)		
		1728	U COMP	,0 <i>nsn1</i> 2	(EAST)		,
	080 (20+N, 70+W)	1	STATION	(0040	EPT LT	DEPTH)	1720
		1753	V compe	NEWTS ((HT40H)	· · · · · · · · · · · · · · · · · · ·	13:1
		1728	U compo	UENTS	(EAST)		
DELCLU ATO Q	TAPE S	9423		· · · · · · · · · · · · · · · · · · ·			112
USER TAP	E 4234	(14,5	رـــــــــــــــــــــــــــــــــــــ		•		
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#7 001544

ANSE 013839

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2418 (c 4048)

120/4800 , FOZZ

#1 U 020660

TR 53-60, 74-75, 96, 107-112, 115-117, 119-123, 125, 127-128, 134-135, 146-153

162,089

mo chiel ma

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7601355	L105	BL2354	9999	3130	316N	1970/06/01		299815
7601355	L105	TR0102	9999	3130	31TR	1969/02/12		299816
7601355	L105	TR0103	9999	3130	32B2	1970/10/09		299817
7601355	L105	TR0104	9999	3130	31TR	1971/05/08		299818
7601355	L105	TR0105	9999	3130	31ȚR	1972/03/14		
7601355	L105	TR0106	9999	3130	31TR	1971/10/26	MODE	299820

(6 rows affected)

Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7601355	L105	BL2354	316N	0	0	70/06/01	70/06/01
7601355	L105	TR0102	31TR	3061	0	69/02/12	69/02/15
7601355	L105	TR0103	32B2	11317	0	70/10/09	71/03/17
7601355	L105	TR0104	31TR	6988	0	71/05/08	71/05/13
7601355	L105	TR0105	31TR	3369	0	72/03/14	72/03/16
7601355	L105	TR0106	31TR	3481	0	71/10/26	71/10/28

(6 rows affected)