

DATA DOCUMENTATION FORM

TR0036/37

NOAA FORM 24-13
(4-72)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEANOGRAPHIC DATA CENTER
RECORDS SECTION
ROCKVILLE, MARYLAND 20852FORM APPROVED
O.M.B. No. 41-R2651

L105

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 Narragansett Marine Laboratory Graduate School of Oceanography University of Rhode Island Kingston, RI 02881				2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED R.V. Trident Cruises (except for the Rome Point Study in Narragansett Bay).		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT TR-69 TR-93 TR-112 TR-76 TR-98 Rome Point Study TR-80 TR-99 TR-83 TR-104	
4. PLATFORM NAME(S) R/V Trident R/V Billie II		5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship		6. PLATFORM AND OPERATOR NATIONALITY(IES) U.S.A. U.S.A.		7. DATES FROM: MO/DAY/YR TO: MO/DAY/YR June 1969 April 1972	
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH				11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA			
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> PART (SPECIFY BELOW) TR-69, TR-76, TR-80, TR-83 are declared national program.							
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) Edwin McB Williams Data Archives G.S.O. - University of Rhode Island Tel: (401) 792-6228							

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
Instrument Depth	Meters	Current Meter	Corrected Depth	N/A (not applicable)
Latitude	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
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		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. SCIENTIFIC 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- 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 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)			
C	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. SCIENTIFIC 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
<p>R.</p> <p>Format</p>	<p>R = Rotor Count</p> <p>Specifications which apply to those variables stored in data records.</p>			

C. DATA FORMAT

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

First ten records of each file are label records, the remaining records are data records. Label records 1-7 are rigidly structured, while 8-10 are unstructured allowing comments in English text.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Each File contains one current meter record and each tape is multi-file.

Tape 8934 :

File 1 - Record DSN = GS0102	File 9 " " = GS077	File 5 " " GS088
File 2 - Record DSN = GS066	File 10 " " = GS079	File 6 " " GS067
File 3 - Record DSN = GS065		File 7 " " GS0109
File 4 - Record DSN = GS095	Tape 8935 :	File 8 " " GS046
File 5 - Record DSN = GS097	File 1-Record DSN = GS047	File 9 " " GS071
File 6 - Record DSN = GS055	File 2-Record DSN = GS048	File 10 " " GS072
File 7 - Record DSN = GS098	File 3-Record DSN = GS050	File 11 " " GS074
File 8 - Record DSN = GS045	File 4-Record DSN = GS052	File 12 " " GS076

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST: William P. Kramer (401) 792-6266
NAME AND PHONE NUMBER Edwin McB. Williams (401) 792-6228
ADDRESS G.S.O., Narragansett Marine Laboratory, University of Rhode Island
Kingston, RI 02881

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH</p> <p><input type="checkbox"/> _____</p>
<p>6. NUMBER OF TRACKS (CHANNELS)</p> <p><input type="checkbox"/> SEVEN</p> <p><input checked="" type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input checked="" type="checkbox"/> ODD</p> <p><input type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>8934 and 8935</p> <p>G.S.O.-U.R.I., Data Archives</p> <p>Current meter data</p> <p>See W. Kramer Ext. 6266</p> <p>See E. Williams Ext. 6228</p> <p><i>Originator 8934, 8935</i></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input checked="" type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p>8000</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>8</p>

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

Type I records are header text records which precede each meter per station. Each meter data set contains ten header records sequenced with record I.D. numbers

Type II records are current data records and are identified by a record type I.D. number of '11'.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Tape contains one file which includes all 22 originator's files.

3. ATTRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL
☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER DSF & I Branch 634-7505
ADDRESS NODC

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE <input type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input checked="" type="checkbox"/> EBCDIC <input type="checkbox"/> _____	9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
6. NUMBER OF TRACKS (CHANNELS) <input type="checkbox"/> SEVEN <input checked="" type="checkbox"/> NINE <input type="checkbox"/> _____	10. END OF FILE MARK <input type="checkbox"/> OCTAL 17 <input type="checkbox"/> _____
7. PARITY <input checked="" type="checkbox"/> ODD <input type="checkbox"/> EVEN	11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER) 6255 6255 NAPIS 75-0592 UNIV. OF RHODE ISLAND CURRENT
8. DENSITY <input type="checkbox"/> 200 BPI <input checked="" type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input type="checkbox"/> 800 BPI <input type="checkbox"/> _____	
12. PHYSICAL BLOCK LENGTH IN BYTES 4300	
13. LENGTH OF BYTES IN BITS	

RECORD FORMAT DESCRIPTION

RECORD NAME Type I (Header) Records

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<u>Record #1</u>					
Project Title	18	16	Bytes	16A1	
Investigators	55	24	Bytes	24A1	List of principal investigators
Record Number	81	2	Bytes	I2	Always '01'
Meter Number	83	4	Bytes	A4	Individual identification number for each meter
<u>Record #2</u>					
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	I2	Always '02'
Meter Number	83	4	Bytes	A4	
<u>Record #3</u>					
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	I2	Always '03'
Meter Number	83	4	Bytes	A4	

RECORD FORMAT DESCRIPTION

RECORD NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (0, 1, bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
Record #4					
Latitude Degrees	6	4	Bytes	I4	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	I4	Whole Degrees
Longitude Minutes	30	5	Bytes	F5.1	Minutes and tenths
Longitude Hemisphere	36	1	Bytes	A1	'E' or 'W'
Magnetic Variation	49	4	Bytes	I4	Absolute value of applied magnetic variation in whole degrees
Magnetic Direction	54	1	Bytes	A1	Direction of magnetic variation 'E' or 'W'
Water Depth	75	6	Bytes	F6.1	Water depth in corrected meters
Record Number	81	2	Bytes	I2	Always '04'
Meter Number	83	4	Bytes	A4	
Record #5					
Start Year	18	4	Bytes	I4	} All values in G.M.T.
Start Month	23	2	Bytes	I2	
Start Day	26	2	Bytes	I2	
Start Hour	31	2	Bytes	I2	
Start Minute	34	2	Bytes	I2	
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'

RECORD FORMAT DESCRIPTION

RECORD-NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
<u>Record #5 Cont.</u>					
Sample Count	74	4	Bytes	I4	Total number of samples stored in the data records
Record Number	81	2	Bytes	I2	Always '05'
Meter Number	83	4	Bytes	A4	
<u>Record #6</u>					
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 N = North/South Comp. E = East/West Comp. S = Scalar Speed D = Direction C = Compass V = Vane T = Time R = Rotor Count Temp= Temperature
Record Number	81	2	Bytes	I2	Always '06'
Meter Number	83	4	Bytes	A4	
<u>Record #7</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	I2	Always '07'
Meter Number	83	4	Bytes	A4	

RECORD FORMAT DESCRIPTION

RECORD NAME Type I (Header) Records Continued

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	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	I2	'08', '09' or '10'
Meter Number	83	4	Bytes	A4	

RECORD FORMAT DESCRIPTION

RECORD NAME Type II (Data) Record

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		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	As above
U Component	26	5	Bytes	F5.1	
Speed	31	5	Bytes	F5.1	
Direction	36	5	Bytes	F5.0	
V Component	41	5	Bytes	F5.1	As above
U Component	46	5	Bytes	F5.1	
Speed	51	5	Bytes	F5.1	
Direction	56	5	Bytes	F5.0	
V Component	61	5	Bytes	F5.1	As above
U Component	66	5	Bytes	F5.1	
Speed	71	5	Bytes	F5.1	
Direction	76	5	Bytes	F5.0	
Record Type Sequence No.	81	2	Bytes	I2	Always '11'
Meter Number	83	4	Bytes	A4	Individual identification number for each meter

NAPIS NO. : 75-0592

Track TR0036

COUNTRY: USA (031)

INSTITUTION: UNIVERSITY OF RHODE ISLAND - 30

SHIP: R/V TRIDENT

PROJECT: N/A (ARCHIVED U.R.I. DATA)

<u>CRUISE NO.</u>	<u>INCLUSIVE DATES</u>	<u>NO. OF STATIONS</u>	<u>NO. OF SAMPLES</u>
TR-69*	6-69 TO 7-69	4	17,430
TR-76*	11-69 TO 12-69 -	1	5,182
TR-80*	4-70 TO 5-70 -	1	9,886
TR-83*	5-70 TO 5-70	1	3,119
TR-93	1-71 TO 2-71	7	13,919
TR-98	5-71 TO 5-71	1	5,084
TR-99	6-71 TO 6-71	2	2,742
TR-104	10-71 TO 11-71 -	1	5,270
TR-112	3-72 TO 4-72	2	11,639

* D.N.P. CRUISES

DATA TYPE : ¹⁴¹
(~~141~~)
CURRENT METER WITH:

U COMPONENT	(2806)
V COMPONENT	(2807)
SPEED	(2803)
DIRECTION	(2802)

MARSDEN SQ:

TR-76, 80, 83, 98 + 99	- 116
TR-112	- 001 + 002
TR-104	- 080
TR-69	- 151
TR-93	- 043

ORIGINATOR TAPES # 8934/8935

USER TAPE # 13104

NAPIS NO: 75-0592
TRACK - TR0037

COUNTRY: USA (031)

INSTITUTION: UNIVERSITY OF RHODE ISLAND

SHIP: R/V BILLIE II

PROJECT: N/A (ARCHIVED U.R.I. DATA)

INCLUSIVE DATES: 10-69 TO 11-69

NO. OF STATIONS: 2

NO. OF SAMPLES: 7157

DATA TYPE: CURRENT METER (¹⁴¹~~280~~) WITH
U COMPONENT (2806)
V COMPONENT (2807)
SPEED (2803)
DIRECTION (2802)

OCTANT: 0

MARSDEN SQUARE: 152

CRUISE NO: N/A

ORIGINATOR TAPE: # 8934

USER TAPE: 13104

DNP: NO

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7500592	L105	L05502	9999	3130	31TR	1969/06/01	TR-69	516982
7500592	L105	L05503	9999	3130	31TR	1970/05/01	TR-83	516983
7500592	L105	L05504	9999	3130	31TR	1972/03/01	TR-112	516984
7500592	L105	L05505	9999	3130	31TR	1971/01/01	TR-93	516985
7500592	L105	L05506	9999	3130	31TR	1970/04/01	TR-80	516986
7500592	L105	L05507	9999	3130	31TR	1971/05/01	TR-98	516987
7500592	L105	L05508	9999	3130	31TR	1971/06/01	TR-99	516988
7500592	L105	L05509	9999	3130	31TR	1971/10/01	TR-104	516989
7500592	L105	L05510	9999	3130	31TR	1969/11/01	TR-76	516990
7500592	L105	TR0037	9999	3130	32B2	1969/10/01	N/A	288953
7500592	L105	TR0036	9999	3130	31TR	1969/11/01	TR-76	288944

(11 rows affected)

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Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
7500592	L105	L05502	31TR	4	NULL	Jun 1 1969	Jul 15 1969
7500592	L105	L05503	31TR	1	NULL	May 1 1970	May 15 1970
7500592	L105	L05504	31TR	2	NULL	Mar 1 1972	Apr 15 1972
7500592	L105	L05505	31TR	7	NULL	Jan 1 1971	Feb 15 1971
7500592	L105	L05506	31TR	1	NULL	Apr 1 1970	May 15 1970
7500592	L105	L05507	31TR	1	NULL	May 1 1971	May 15 1971
7500592	L105	L05508	31TR	2	NULL	Jun 1 1971	Jun 30 1971
7500592	L105	L05509	31TR	1	NULL	Oct 1 1971	Nov 15 1971
7500592	L105	L05510	31TR	1	NULL	Nov 1 1969	Dec 15 1969
7500592	L105	TR0037	32B2	2	0	Oct 1 1969	Nov 1 1969
7500592	L105	TR0036	31TR	1	0	Nov 1 1969	Dec 1 1969

(11 rows affected)