TR-0638

ACCESSION NUMBER 76-1905
TR0638
F017

DDF-B:2:15

DATA DOCUMENTATION FORM

NOAA FORM 24-13 (4-72)

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

Dr. Stanley Hayes
Pacific Marine Environmental Laboratory (PMEL/ERL/NOAA)
3711 - 15th Avenue N.E.
Seattle, WA 98105 (Telephone 206-442-4598)

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED

OCSEAP Research Unit # 138
(NEGOA-4)

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT

FILE ID # NS1606
NEGOA 4/SLS8(P106)/SLS9(P107)

4. PLATFORM NAME(S)	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)	6. PLATFORM AND OPERATOR NATIONALITY(IES)		7. DATES	
		PLATFORM	OPERATOR	FROM: MO/DAY/YR	TO: MO/DAY/YR
Discoverer RP-4-DI-76A LEG-4	NOAA Ship	U.S.	U.S.	03/03/76	05/14/76

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES

IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR ____ MONTH ____

9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
(I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)

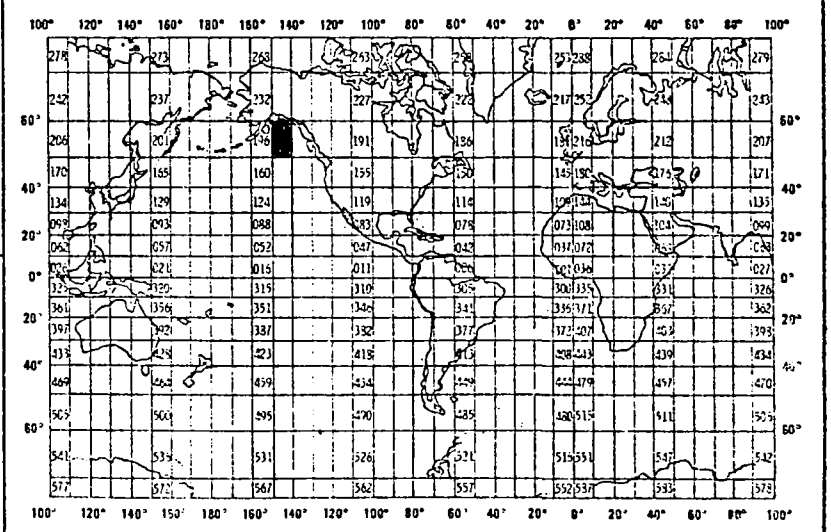
[X] NO [ ] YES [ ] PART (SPECIFY BELOW)

10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)

Dr. Stanley Hayes
(206) 442-4598

11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.

GENERAL AREA



NOAA FORM 24-13

USCOMM-DC 44289-P72

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
TIME/DATE	GMT	CRYSTAL CLOCK	N/A	N/A
PRESSURE	DBAR	P106 P107	PROCESSED AT PMEL. TRANSFERRED TO 7-TRACK TAPE. CALIBRATIONS APPLIED, DATA EDITED AND BAD VALUES REPLACED BY LINEAR INTERPOLATION.	REPORTED VALUES REPRESENT AVERAGES OVER 15 MIN.
TEMPERATURE	DEGREES, C	THERMISTOR	SAME AS FOR	PRESSURE

C. DATA FORMAT PRESSURE GAUGE 2-20-76

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

T RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
/E METHOD OF IDENTIFYING EACH RECORD TYPE 7/1/76

Four (4) record types; text record (1) which is optional, gauge master record I (2), gauge master record II (3), and detail record (4), differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

TRIBUTES AS EXPRESSED IN ☐ PL-1 ☐ ALGOL ☐ COBOL ☒ FORTRAN ☐ _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER NANCY SOREIDE 543-5276
ADDRESS PMEL/NOAA, 3711-15TH NE, SEATTLE, WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☒ BCD ☐ BINARY ☐ ASCII ☐ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☒ SEVEN ☐ NINE ☐ _____

7. PARITY ☐ ODD ☒ EVEN

8. DENSITY ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☒ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☒ 3/4 INCH ☐ _____

10. END OF FILE MARK ☒ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)
138 017 NS1606FID
DISCOVERER RP-4-DI-76A LEG 4
76/03/03 - 76/05/14 HAYES, S
7-TRACK, 800 BPI, EVEN PARITY, BCD

12. PHYSICAL BLOCK LENGTH IN BYTES 3000 VOL SER 9460

13. LENGTH OF BYTES IN BITS 6

NOAA FORM 24-13 USCOMM-DC 44289-P72

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

USER TAPE

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER _____
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☐ ASCII ☒ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☒ NINE ☐ _____

7. PARITY ☒ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☒ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION (*INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE; VOLUME NUMBER*)

13402 (1,NL)

12. PHYSICAL BLOCK LENGTH IN BYTES
4800

13. LENGTH OF BYTES IN BITS
80

USCOMM-DC 44249-C

RECORD FORMAT DESCRIPTION PRESSURE GAUGE 7-1-76

RECORD NAME TEXT RECORD (OPTIONAL)

FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Text	16	20	Bytes	20A1	Additional pertinent information
Sequence Number	36	5	Bytes	I5	Ascending numeric, used for sorting
Blank	41	10	Bytes	10X	
GAUGE MASTER RECORD I (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Depth of Pressure Gauge	31	5	Bytes	I5	Meters to tenths
Number of Detail Records	36	5	Bytes	I5	Indicates number of type '4' records following
Blank	41	10	Bytes	10X	

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

7-1-76

RECORD NAME GAUGE MASTER RECORD II (OPTIONAL)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth to Bottom	16	5	Bytes	I5	Whole meters
Meter Usage Sequence Number	21	3	Bytes	I3	Number of times meter has been used
Institution Code	24	2	Bytes	A2	NODC institution code
Location Name	26	6	Bytes	A6	OCSEP internal location code
Blank	32	19	Bytes	19X	
DETAIL RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Date,					
Year	16	2	Bytes	I2	Last two digits of year
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time,					
Hour	22	2	Bytes	I2	0-23
Minutes	24	2	Bytes	I2	0-59
Hundredths of Minutes	26	2	Bytes	I2	0-99
Total Pressure	28	8	Bytes	I8	Decibars XXXXX.XXX (unsigned, decimal not punched)
Sequence Number	36	5	Bytes	I5	Ascending numeric, used for sorting
Temperature	41	5	Bytes	I5	XX.XXX °C to thousandths
Blank	46	5	Bytes	5X	

D. INSTRUMENT CALIBRATION

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

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALIBRATED
		YOUR ORGANIZATION (√)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (√)	BEFORE OR AFTER USE (√)	BEFORE AND AFTER USE (√)	ONLY AFTER REPAIR (√)	ONLY WHEN NEW (√)	(√)
THERMISTOR YSI44032 ON P106	AUG 75 OCT 75	NOIC			✓				
" ON P107	"	"			✓				
P106, P107	MAY 76	"				✓			

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

RECORD NAME TEXT RECORD (OPTIONAL)

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '1'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Text	16	20	Bytes	20A1	Additional pertinent information
Sequence Number	36	5	Bytes	I5	Ascending numeric, used for sorting
Blank	41	10	Bytes	10X	
GAUGE MASTER RECORD I (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '2'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Latitude,					
Degrees	16	2	Bytes	I2	
Minutes	18	2	Bytes	I2	
Hundredths of Minutes	20	2	Bytes	I2	
Hemisphere	22	1	Bytes	A1	'N' or 'S'
Longitude,					
Degrees	23	3	Bytes	I3	
Minutes	26	2	Bytes	I2	
Hundredths of minutes	28	2	Bytes	I2	
Hemisphere	30	1	Bytes	A1	'E' or 'W'
Depth of Pressure Gauge	31	5	Bytes	I5	Meters to tenths
Number of Detail Records	36	5	Bytes	I5	Indicates number of type '4' records following
Blank	41	10	Bytes	10X	

RECORD FORMAT DESCRIPTION PRESSURE GAUGE

RECORD NAME GAUGE MASTER RECORD II (OPTIONAL) 7-1-76

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '3'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Depth to Bottom	16	5	Bytes	I5	Whole meters
Meter Usage Sequence Number	21	3	Bytes	I3	Number of times meter has been used
Institution Code	24	2	Bytes	A2	NODC institution code
Location Name	26	6	Bytes	A6	OCSEP internal location code
Blank	32	19	Bytes	19X	
DETAIL RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '017'
File Identification	4	6	Bytes	A6	
Record Type	10	1	Bytes	I1	Always '4'
Gauge Number	11	5	Bytes	A5	Analogous to NODC Station Number
Date,					
Year	16	2	Bytes	I2	Last two digits of year
Month	18	2	Bytes	I2	1-12
Day	20	2	Bytes	I2	1-31
Time,					
Hour	22	2	Bytes	I2	0-23
Minutes	24	2	Bytes	I2	0-59
Hundredths of Minutes	26	2	Bytes	I2	0-99
Total Pressure	28	8	Bytes	I8	Decibars XXXXX.XXX (unsigned, decimal not punched)
Sequence Number	36	5	Bytes	I5	Ascending numeric, used for sorting
Temperature	41	5	Bytes	I5	XX.XXX °C to thousandths
Blank	46	5	Bytes	5X	

C. DATA FORMAT PRESSURE GAUGE 2-20-76

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

Four (4) record types; text record (1) which is optional, gauge master record I (2), gauge master record II (3), and detail record (4), differentiated by byte 10.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER _____
ADDRESS _____

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE ☐ BCD ☐ BINARY ☐ ASCII ☐ EBCDIC ☐ _____

6. NUMBER OF TRACKS (CHANNELS) ☐ SEVEN ☐ NINE ☐ _____

7. PARITY ☐ ODD ☐ EVEN

8. DENSITY ☐ 200 BPI ☐ 1600 BPI ☐ 556 BPI ☐ 800 BPI ☐ _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN) ☐ 3/4 INCH ☐ _____

10. END OF FILE MARK ☐ OCTAL 17 ☐ _____

11. PASTE-ON-PAPER LABEL DESCRIPTION *(INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)*

12. PHYSICAL BLOCK LENGTH IN BYTES

13. LENGTH OF BYTES IN BITS

76-1905

NODC MAG TAPE FORMATTING PROGRAM FOR OCSEAP CURRENT METER DATA

FILE I.D. = NS1606. INSTITUTION CODE = 3F. LIST OPTION = 2

0 FILES TO BE SKIPPED ON THE INPUT TAPE.

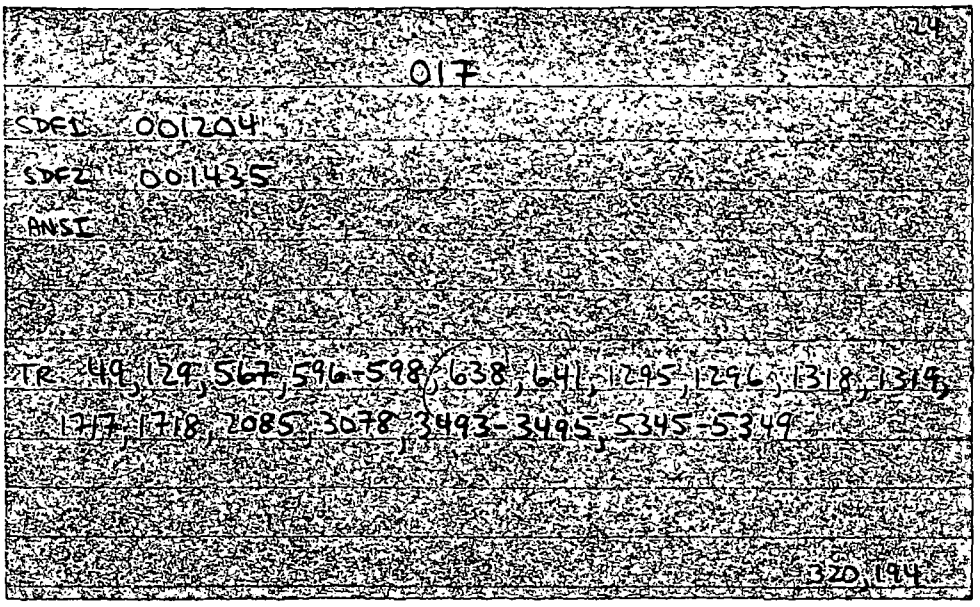
NO. DECIMAL PLACES TO BE RECORDED FOR TIME IN MIN.. TOTAL PRESSURE IN DECIBARS. AND TEMP. IN DEG. C = 0. 2. 2

CP TIME SO FAR = 3.39 SECONDS

READING DATA FOR GAUGE 0106 AT DEPTH 99.0. SCANS 1 TO 6894 = 6894 TOTAL DATA SCANS.

RECORD NO. 1

*****017NS16062 P10659305 NJ41342 W	99	6894			*****017NS16063 P106	99	13F	
*****017NS16064 P1067603032010	10831	1	448		*****017NS16064 P1067603032025	10847	2	46?
*****017NS16064 P1067603032040	10862	3	478		*****017NS16064 P1067603032055	10878	4	48?
*****017NS16064 P1067603032110	10893	5	492		*****017NS16064 P1067603032125	10907	6	49?
*****017NS16064 P1067603032140	10920	7	499		*****017NS16064 P1067603032155	10931	8	50?
*****017NS16064 P1067603032210	10941	9	503		*****017NS16064 P1067603032225	10949	10	50?
*****017NS16064 P1067603032240	10956	11	505		*****017NS16064 P1067603032255	10961	12	50?
*****017NS16064 P1067603032310	10962	13	507		*****017NS16064 P1067603032325	10963	14	50?
*****017NS16064 P1067603032340	10961	15	508		*****017NS16064 P1067603032355	10958	16	50?
*****017NS16064 P106760304 010	10953	17	508		*****017NS16064 P106760304 025	10946	18	50?
*****017NS16064 P106760304 040	10937	19	509		*****017NS16064 P106760304 055	10924	20	50?
*****017NS16064 P106760304 110	10912	21	509		*****017NS16064 P106760304 125	10898	22	50?
*****017NS16064 P106760304 140	10884	23	509		*****017NS16064 P106760304 155	10869	24	50?
*****017NS16064 P106760304 210	10853	25	509		*****017NS16064 P106760304 225	10837	26	50?
*****017NS16064 P106760304 240	10821	27	510		*****017NS16064 P106760304 255	10805	28	510
*****017NS16064 P106760304 310	10791	29	510		*****017NS16064 P106760304 325	10777	30	510
*****017NS16064 P106760304 340	10764	31	510		*****017NS16064 P106760304 355	10753	32	51?
*****017NS16064 P106760304 410	10743	33	510		*****017NS16064 P106760304 425	10734	34	51?
*****017NS16064 P106760304 440	10729	35	510		*****017NS16064 P106760304 455	10724	36	51?
*****017NS16064 P106760304 510	10722	37	510		*****017NS16064 P106760304 525	10722	38	511
*****017NS16064 P106760304 540	10723	39	511		*****017NS16064 P106760304 555	10727	40	511
*****017NS16064 P106760304 610	10733	41	511		*****017NS16064 P106760304 625	10741	42	511
*****017NS16064 P106760304 640	10751	43	511		*****017NS16064 P106760304 655	10762	44	511
*****017NS16064 P106760304 710	10775	45	511		*****017NS16064 P106760304 725	10789	46	511
*****017NS16064 P106760304 740	10804	47	511		[redacted] 760304 755	10820	48	511
017NS16064 P106760304 810	10836	49	511		[redacted] 760304 825	[redacted]	50	[redacted]
[redacted]	[redacted]	51	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]



accession no: 76-1905

TR0638

ACCESSION NUMBER 76-1905

File 017

1	OMCS NUMBER INITIALS 9460	INDATE OUTDATE
2	~~FATS~~ ~~INITIALS~~	~~INDATE~~ ~~OUTDATE~~
3	BACK-UP INITIALS 6418 EA	INDATE OUTDATE 2/14
4	CHECK INITIALS EA	INDATE Mar 1, 77 OUTDATE MAR 16 1977
5	USERTAPE 13402 INITIALS	INDATE 4-15 OUTDATE 4-20
6	NAPIS COUNT 13402 INITIALS AB	INDATE 4/21/77 OUTDATE
7	DDF EVAL INITIALS	INDATE OUTDATE
8	DIP INITIALS	INDATE OUTDATE
9	CRUNCH TAPES INITIALS	INDATE OUTDATE
10	FINAL INITIALS	INDATE OUTDATE

12/28/76

NOSTREL

Institution PMEL/ERL/NOAA

Data Description Pressure Gauge

Project OCSEAP Research Unit # 138 (NEGOA -4)

Platform Type/Name ship/Discoverer

Cruise I.D. RP-4-DI-76A Leg 4

Start/End Dates 03/03/76 05/14/76

Geographic Area/MSQ MSQ 195

Processor PIPE

Processing Method

Assignment Date _____ Completion Date _____

Status of Data Set

Source Material DDF, listing, Tape

File Type 017 File I.D. NS1606

Tape No./Label/ DCB 9460 No. of Stations _____
Originator ~~NS1606~~

User 13402

DIP 13402

GIFT

Dictionary Job Name

NAPIS Job Name DCNT1905

CHECK Job Name DCHK1905

EDBD Date and Initials _____

Comments

Accession Number 76-1905 Track III Number TR-0638

```
Password:
 accNo   fleA refNo  proj inst ship    startDate  cruise   catId
 ------- ---- ------ ---- ---- ------- ---------- -------- ----------
 7601905 F017 TR0638 0081 313F 31DS    1976/03/03 RP4DI76A     301473

(1 row affected)
```

```
Password:
 accNo   fleA refNo  ship staCnt recCnt startDate  endDate
 ------- ---- ------ ---- ------ ------ ---------- ----------
 7601905 F017 TR0638 31DS 4      7858   76/03/03   76/05/14

(1 row affected)
```