

DDF-B:2:09

DATA DOCUMENTATION FORM

TR0090  
FOIS

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

TT1296-TT1315

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  
 PMEL NOAA  
 3711 15th NE  
 Seattle, Washington 98105

2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  
 MESA - Puget Sound

3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  
 File ID = MESA 1A

4. PLATFORM NAME(S)  
 MESA-1A

5. PLATFORM TYPE(S)  
 (E.G., SHIP, BUOY, ETC.)  
 BUOY

6. PLATFORM AND OPERATOR NATIONALITY(IES)  
 U.S. U.S.

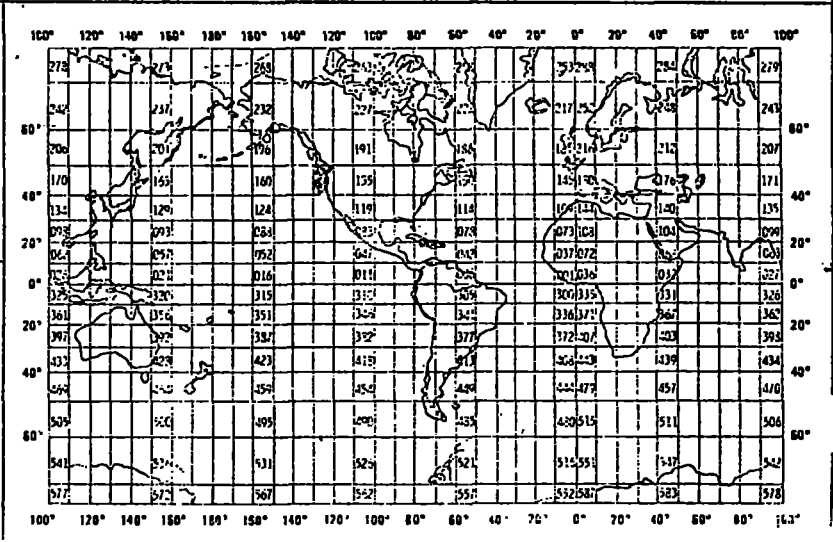
7. DATES  
 FROM: MO, DAY, YR TO: MO, DAY, YR  
 9/16/75 11/10/75

8. ARE DATA PROPRIETARY?  
 NO  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?)  
 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)  
 Pat Laird  
 (206) 442-4580



B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Speed	cm/sec.	Aanderaa Current Meter RCM-4	N/A	N/A
Direction	°T	"	"	"
Temperature	°C	"	"	"
Conductivity	‰	"	"	"
Pressure	Decibars	"	"	"

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

**USER**

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>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input 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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>VOL = SER = 011575,</b> <b>LABEL = (19, NL)</b></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><b>4800</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>8</b></p>

**ORIG:**

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD    <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII    <input 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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>VOL = SER = 009400,</b> <b>LABEL = (01, NL)</b></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><b>3600</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>6</b></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

Three record types, text record (1), meter master record (2), and detail record (3), 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 Donna Bendiner (206) 543-2007  
ADDRESS Dept. of Oceanography, University of Washington, Seattle, WA 98105

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input 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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" 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>PMEL / NOAA <i>P. Laird</i></p> <p>Mesa - Puget Sound</p> <p>File 1 ID = MESA 1A 4/16 - 11/17/75</p> <p>File 2 ID = MESA 1B 11/18 - 2/14/76</p> <p>File 3 ID = MESA 1C 2/14 - 4/14/76</p> <p style="font-size: 2em; transform: rotate(90deg); position: absolute; right: 0; top: 50px;">GF1229</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

14. FIELD NAME	15. POSITION FROM-- MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	19. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	5	"		
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude,					
Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude,					
Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage					Number of times meter has been used.
Sequence Number	41	3	"	I3	
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' 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		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"	I2	Analogous to NODC Station Number
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute*	26	2	"	I2	0-99
East-West (u)	28	6	"	I6	To hundredths. Positive (East, and North) understood. cm/sec
Current Component**					Negative (West and South) with negative sign. cm/sec
North-South (v)	34	6	"	I6	To thousandths. Minus sign when negative in °C
Current Component***					To tenths in Decibars
Temperature***	40	5	"	I5	To hundredths of mmho/cm (siemens
Pressure	45	5	"	I5	
Conductivity	50	4	"	I4	
Blank	54	1	"	IX	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured.

\*Field not reported

\*\* Reported to tenths; hundredths left blank

\*\*\* Reported to hundredths. Thousandths left blank.

### 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 CALI- BRATED
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Aanderaa Current Meter RCIM-4		✓				✓			
Same meter	1975		NOIC	✓ ~1yr.					

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 <i>PMEL/NOAA 3711 15th NE Seattle, Washington 98105</i>			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED <i>MESA - Puget Sound</i>		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT <i>File ID = MESA1B</i>	
4. PLATFORM NAME(S) <i>MESA-1B</i>	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) <i>BUOY</i>	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR FROM: MOPAY, YR TO: MO, DAY, YR <i>U.S. U.S. 11/10/75 2/24/76</i>	
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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)			
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1) <i>Pat Laird (206) 442-4580</i>			



B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Speed	cm/sec.	Aanderna Current Meter	N/A	N/A
Direction	°T	RCM-4	"	"
Temperature	°C	"	"	"
Conductivity	‰	"	"	"
Pressure	Decibars	"	"	"

4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

USER:

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 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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>VOL=SER=011575, LABEL=(20,NL)</b></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><b>4800</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>8</b></p>

ORIG:

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD    <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII    <input 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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>VOL=SER=009400, LABEL=(02,NL)</b></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><b>3600</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>6</b></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

Three record types, text record (1) meter master record (2), and detail record (3), 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 Donna Bendiner (206) 543-2007  
ADDRESS Dept. of Oceanography, University of Washington, Seattle, Wa. 98195

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input 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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" 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>PMEL/NOAA P. Land Mesa. Puget Sound File 1 ID = MESA1A 9/16-11/8/75 File 2 ID = MESA 1B 11/8/75-2/24/76 File 3 ID = MESA1C 2/24-4/15/76</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits</p>

RECORD NAME . TEXT RECORD (OPTIONAL)

14. FIELD NAME	15. POSITION FROM-1- MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting
METER MASTER RECORD (REQUIRED)					
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude,					
Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude,					
Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage					Number of times meter has been used.
Sequence Number	41	3	"	I3	
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. FIELD NAME	15. POSITION FROM 1 - MEASURED IN Bytes (0.0., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Number
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute *	26	2	"	I2	0-99
East-West (u)	28	6	"	I6	To hundredths. Positive (East, and North) understood. cm/sec
Current Component **					Negative (West and South) with negative sign. cm/sec
North-South (v)	34	6	"	I6	
Current Component **					
Temperature ***	40	5	"	I5	To thousandths. Minus sign when negative in °C
Pressure	45	5	"	I5	To tenths in Decibars
Conductivity	50	4	"	I4	To hundredths of mmho/cm (siemens)
Blank	54	1	"	I1	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

Blanks are used when significance of field indicated exceeds what is measured.

\* not reported  
 \*\* hundredths left blank  
 \*\*\* thousandths left blank

### 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 CALI- BRATED  (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
<i>Aanderaa Current Meter RCM-4</i>		✓			✓				
<i>" Same meter</i>	<i>1975</i>		<i>NOIC</i>	✓ <i>-1yr.</i>					

# DATA DOCUMENTATION FORM

10-1221  
**TR0093**  
**FOIS**

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

<b>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</b> PMEL/NOAA 3711 15th NE Seattle, Washington 98105			
<b>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</b> MESA - Puget Sound		<b>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</b> File ID = MESA1C.	
<b>4. PLATFORM NAME(S)</b> MESA-1C	<b>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</b> BUOY	<b>6. PLATFORM AND OPERATOR NATIONALITY(IES)</b> U.S.      U.S.	<b>7. DATES</b> FROM: MO, DAY, YR      TO: MO, DAY, YR 2/24/76      4/15/76
<b>8. ARE DATA PROPRIETARY?</b> <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____		<b>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</b> <p style="text-align: center;">GENERAL AREA</p>	
<b>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?</b> (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)		(Continuation of the map grid from item 11)	
<b>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</b> Pat Laird (206) 442-4580			

B. SCIENTIFIC CONTENT

NAME OF DATA FIELD	REPORTING UNITS OR CODE	METHODS OF OBSERVATION AND INSTRUMENTS USED (SPECIFY TYPE AND MODEL)	ANALYTICAL METHODS (INCLUDING MODIFICATIONS) AND LABORATORY PROCEDURES	DATA PROCESSING TECHNIQUES WITH FILTERING AND AVERAGING
Speed	cm/sec	Aanderaan Current Meter RCM-4	N/A	N/A
Direction	°T	"	"	"
Temperature	°C	"	"	"
Pressure	Decibars	"	"	"
Conductivity	‰	"	"	"



4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

**USER:**

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 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 LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>LABEL = (21, NL), VOL = SER = <del>00</del> 011575</b></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input checked="" type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 556 BPI</p> <p><input type="checkbox"/> 800 BPI</p> <p><input type="checkbox"/> _____</p>	<p>12. PHYSICAL BLOCK LENGTH IN BYTES</p> <p><b>4800</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>8</b></p>

ADDRESS \_\_\_\_\_

**ORIG:**

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD    <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII    <input 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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK</p> <p><input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p><b>VOL = SER = 009400, LABEL = (03, NL)</b></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><b>3600</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>6</b></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

Three record types, text record (1), meter master record (2), and detail record (3), 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

<p>5. RECORDING MODE</p> <p><input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY</p> <p><input type="checkbox"/> ASCII <input 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 checked="" type="checkbox"/> SEVEN</p> <p><input type="checkbox"/> NINE</p> <p><input type="checkbox"/> _____</p>	<p>10. END OF FILE MARK <input checked="" type="checkbox"/> OCTAL 17</p> <p><input type="checkbox"/> _____</p>
<p>7. PARITY</p> <p><input type="checkbox"/> ODD</p> <p><input checked="" type="checkbox"/> EVEN</p>	<p>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LAY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</p> <p>PMEL/NOAA P.L.A. rd Mesa - Puget Sound File 1 ID = MESA 1A 9/16/75-11/18/75 File 2 ID = MESA 1B 11/18/75-2/24/76 File 3 ID = MESA 1C 2/24/76-4/1/76</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>3600 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>6 bits.</p>

14. FIELD NAME	15. POSITION FROM-- MEASURED IN Bytes (e.g., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '1'
Meter Number	11	5	"		Analogous to NODC Station Number
Text	16	38	"	38A1	Additional pertinent information
Blank	54	1	"	1X	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting
<b>METER MASTER RECORD (REQUIRED)</b>					
File Type	1	3	Bytes	A3	Always '015'
File Identifica- tion	4	6	"		
Record Type	10	1	"	I1	Always '2'
Meter Number	11	5	"		Analogous to NODC Station Number
Latitude, Degrees	16	2	"	I2	
Minutes	18	2	"	I2	
Hundredths of minutes	20	2	"	I2	
Hemisphere	22	1	"	A1	'N' or 'S'
Longitude, Degrees	23	3	"	I3	
Minutes	26	2	"	I2	
Hundredths of minutes	28	2	"	I2	
Hemisphere	30	1	"	A1	'E' or 'W'
Depth to bottom	31	5	"	I5	Whole meters
Depth of current meter	36	5	"	I5	To tenths of a meter
Meter Usage Sequence Number	41	3	"	I3	Number of times meter has been used.
Institution Code	44	2	"	A2	NODC Institution Code
Axis Rotation	46	3	"	I3	In whole degrees clockwise from true north of V axis
Location Name	49	6	"	A6	OCSEP internal location code
Number of detail records	55	6	"	I6	Number of type '3' records

14. FIELD NAME	15. POSITION FROM MEASURED IN Bytes  (n.d., bits, bytes)	16. LENGTH		17. ATTRIBUTES	18. USE AND MEANING
		NUMBER	UNITS		
File Type	1	3	Bytes	A3	Always '015'
File Identification	4	6	"		
Record Type	10	1	"	I1	Always '3'
Meter Number	11	5	"		Analogous to NODC Station Number
Year	16	2	"	I2	Last two digits of years)
Month	18	2	"	I2	1-12
Day	20	2	"	I2	1-31
Time,					
Hour	22	2	"	I2	0-23
Minute	24	2	"	I2	0-59
Hundredth of minute*	26	2	"	I2	0-99
East-West (u)	28	6	"	I6	To hundredths. Positive (East, and North) understood. cm/sec
Current Component**					Negative (West and South) with negative sign. cm/sec
North-South (v)	34	6	"	I6	To thousandths. Minus sign when negative in °C
Current Component***					
Temperature***	40	5	"	I5	To tenths in Decibars
Pressure	45	5	"	I5	To hundredths of mmho/cm (siemens)
Conductivity	50	4	"	I4	
Blank	54	1	"	I1	
Sequence Number	55	6	"	I6	Ascending numeric, used for sorting

\* Not reported

\*\* Hundredths left blank

\*\*\* Thousandths left blank

Blanks are used when significance of field indicated exceeds what is measured.

### 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 CALI- BRATED  (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
<i>Aanderaa Current Meter RM-4</i>		✓			✓				
<i>Same meter</i>	<i>1975</i>		<i>NOIC</i>	✓ <i>~ 1yr.</i>					

132  
7R90

015MESA1A31670	7510111646	-113	-124	1122	7663490	1791
015MESA1A31670	75101117 6	-77	-86	1124	7703490	1792
015MESA1A31670	7510111726	-63	-27	1124	7703483	1793
015MESA1A31670	7510111746	-44	-41	1122	7703490	1794
015MESA1A31670	75101118 6	-62	3	1120	7705737	1795
015MESA1A31670	7510111826	-30	20	1124	7703490	1796
015MESA1A31670	7510111846	19	29	1120	7703483	1797
015MESA1A31670	75101119 6	17	50	1110	7703483	1798
015MESA1A31670	7510111926	29	44	1110	7703483	1799
015MESA1A31670	7510111946	88	81	1117	7703483	1800

015MESA1A31671	7509211528	-14	45	1102	11103461	347
015MESA1A31671	7509211548	77	104	1107	11103461	348
015MESA1A31671	75092116 8	121	107	1104	11103461	349
015MESA1A31671	7509211628	98	101	1102	11103461	350
015MESA1A31671	7509211648	106	136	1102	11103461	351
015MESA1A31671	75092117 8	90	63	1100	11101089	352
015MESA1A31671	7509211728	66	33	1100	11063461	353
015MESA1A31671	7509211748	-66	28	1102	11063461	354
015MESA1A31671	75092118 8	27	6	1102	11063461	355
015MESA1A31671	7509211828	21	9	1100	11063461	356

015MESA1A31671	751102 848	-184	-211	1044	11023422	3351
015MESA1A31671	751102 9 8	-189	-242	1056	11063429	3352
015MESA1A31671	751102 928	-249	-236	1051	11103422	3353
015MESA1A31671	751102 948	-270	-262	1046	11103422	3354
015MESA1A31671	75110210 8	-265	-214	1042	11143416	3355
015MESA1A31671	7511021028	-227	-166	1035	11141273	3356
015MESA1A31671	7511021048	-161	-178	1039	11173416	3357
015MESA1A31671	75110211 8	-172	-231	1044	11173416	3358
015MESA1A31671	7511021128	-205	-258	1042	11173416	3359
015MESA1A31671	7511021148	-216	-202	1042	11173416	3360

015MESA1A31672	7509211410	-175	-11	1101	15463467	343
015MESA1A31672	7509211430	-150	-1	1103	15463467	344
015MESA1A31672	7509211450	-128	2	1103	15463474	345
015MESA1A31672	7509211510	-103	32	1103	15463467	346
015MESA1A31672	7509211530	-68	60	1101	15463467	347
015MESA1A31672	7509211550	-56	53	1101	15463467	348
015MESA1A31672	7509211610	-37	69	1098	15423460	349
015MESA1A31672	7509211630	-31	99	1098	15423460	350
015MESA1A31672	7509211650	-5	121	1094	15423467	351
015MESA1A31672	7509211710	68	143	1094	15423467	352

015MESA1A31672	751011	530	-50	-136	1087	15463474	1757
015MESA1A31672	751011	550	-46	-108	1087	15463474	1758
015MESA1A31672	751011	610	-46	-85	1087	15463474	1759
015MESA1A31672	751011	630	-40	-75	1089	15463474	1760
015MESA1A31672	751011	650	-30	-50	1087	15463474	1761
015MESA1A31672	751011	710	-3	36	1091	15463474	1762
015MESA1A31672	751011	730	3	40	1091	15463474	1763
015MESA1A31672	751011	750	-4	70	1091	15463474	1764
015MESA1A31672	751011	810	43	83	1091	15423474	1765
015MESA1A31672	751011	830	13	97	1089	15423474	1766

015MESA1A31672	751021	030	-76	-3	1073	15423460	2462
015MESA1A31672	751021	050	-55	-43	1075	15423467	2463
015MESA1A31672	751021	110	-54	-18	1077	15423460	2464
015MESA1A31672	751021	130	-54	1	1077	15423460	2465
015MESA1A31672	751021	150	-26	39	1077	15423460	2466
015MESA1A31672	751021	210	16	97	1070	15421699	2467
015MESA1A31672	751021	230	72	158	1070	15423460	2468
015MESA1A31672	751021	250	56	112	1075	15423460	2469
015MESA1A31672	751021	310	95	141	1073	15423460	2470
015MESA1A31672	751021	330	105	119	1073	15423460	2471

015MESA1A31673	750930	332	-2	-15	1075	19493488	959
015MESA1A31673	750930	352	-3	-15	1075	19493488	960
015MESA1A31673	750930	412	-3	-15	1075	19413488	961
015MESA1A31673	750930	432	-7	-13	1077	19493488	962
015MESA1A31673	750930	452	-8	-12	1077	19413488	963
015MESA1A31673	750930	512	-9	-12	1080	19415281	964
015MESA1A31673	750930	532	-10	-11	1080	19493488	965
015MESA1A31673	750930	552	-10	-11	1077	19493488	966
015MESA1A31673	750930	612	-10	-11	1070	19493488	967
015MESA1A31673	750930	632	-10	-11	1070	19493488	968

015-1

#2 000480

ANSE

3823

12207

(c 4165)

60/4800, FO15

#1 U020680

TR 48, 67-73, (90-92), 113, 136-145, 559, 695-697

#1 TAPE

454,483

assessment no: 76-1329  
no check run



01STR00913716	751113 640	-64	-147	1101	2233349	174
01STR00913716	751113 7 0	-49	-138	1101	2233312	175
01STR00913716	751113 720	-50	-102	1099	2233291	176
01STR00913716	751113 740	-53	-105	1099	2243283	177
01STR00913716	751113 8 0	-54	-81	1096	2243283	178
01STR00913716	751113 820	-46	-79	1099	2243502	179
01STR00913716	751113 840	-50	-106	1099	2243494	180
01STR00913716	751113 9 0	-46	-66	1099	2243524	181
01STR00913716	751113 920	-21	-67	1099	2243005	182
01STR00913716	751113 940	-8	-62	1099	2243227	183
01STR00913716	75111310 0	-22	-40	1099	2241506	184
01STR00913716	7511131020	26	14	1101	2241193	185
01STR00913716	7511131040	16	11	1101	2241792	186
01STR00913716	75111311 0	11	11	1101	2241406	187
01STR00913716	7511131120	14	13	1101	2241-31	188
01STR00913716	7511131140	-30	29	1101	2241-31	189
01STR00913716	75111312 0	-46	13	1104	2241-31	190
01STR00913716	7511131220	-12	46	1104	2241-31	191
01STR00913716	7511131240	-70	32	1104	2241-31	192
01STR00913716	75111313 0	-82	33	1104	2241-31	193
<hr/>						
01STR00913716	75111317 0	-85	-75	1104	224	205
01STR00913716	7511131720	-154	-106	1104	224	206
01STR00913716	7511131740	-161	-103	1112	224	207
01STR00913716	75111318 0	-91	-84	1107	224	208
01STR00913716	7511131820	-77	-89	1104	227	209
01STR00913716	7511131840	-79	-123	1104	-105	210
01STR00913716	75111319 0	-56	-98	1101	231	211
01STR00913716	7511131920	-30	-122	1101	232	212
01STR00913716	7511131940	-37	-139	1101	232	213
01STR00913716	75111320 0	-78	-124	1104	234	214
<hr/>						
01STR00913716	7512201420	93	19	1029	237	2861
01STR00913716	7512201440	84	60	1032	237	2862
01STR00913716	75122015 0	116	30	1014	237	2863
01STR00913716	7512201520	111	89	1006	237	2864
01STR00913716	7512201540	127	108	1016	237	2865
01STR00913716	75122016 0	148	137	-215	237	2866
01STR00913716	7512201620	137	248	1019	237	2867
01STR00913716	7512201640	167	206	1021	237	2868
01STR00913716	75122017 0	185	163	1021	237	2869
01STR00913716	7512201720	218	168	1024	237	2870

015TR00913716	7602141340	111	115	343	237	6891
015TR00913716	76021414 0	105	138	843	237	6892
015TR00913716	7602141420	95	187	841	237	6893
015TR00913716	7602141440	78	154	843	237	6894
015TR00913716	76021415 0	11	209	841	237	6895
015TR00913716	7602141520	40	225	2167	237	6896
015TR00913716	7602141540	30	267	841	237	6897
015TR00913716	76021416 0	18	256	841	237	6898
015TR00913716	7602141620	8	279	836	237	6899
015TR00913716	7602141640	66	326	838	237	6900

015TR00913717	7512252127	123	106	966	3263	3242
015TR00913717	7512252147	58	179	968	3263	3243
015TR00913717	75122522 7	98	190	968	3263	3244
015TR00913717	7512252227	63	211	977	3278	3245
015TR00913717	7512252247	99	244	982	3285	3246
015TR00913717	75122523 7	90	216	982	797	3247
015TR00913717	7512252327	107	211	984	3285	3248
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01STR00913714	7511102122	57	121	1056 11423404	2
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01STR00913714	75111223 2	28	75	1054	11463404	151
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015TR00913596	751120 343	131	131	1037	787	669
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015TR00913596	751120 543	16	176	1037	773	675
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7601229	F015	TT1302	0082	313F	317F	1975/09/16	MESA1A	299599
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7601229	F015	TT1306	317F	24	7619	75/11/10	76/02/01
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7601229	F015	TT1309	317F	21	3665	76/02/24	76/04/01
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7601229	F015	TT1312	317F	21	3666	76/02/24	76/04/01
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7601229	F015	TT1314	317F	21	3666	76/02/24	76/04/01
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