ACCESSION NUMBER 77-0207

DDF-B:2:25 DATA DOCUMENTATION FORM TR1943-~~20~~ TR 2029

NOAA FORM 24-13 (4-73)

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-R2...

F005

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.

ORIGINATOR TAPE; OMCS Lib. #(s):

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

Oceanographic Surveys Branch
Oceanographic Division
National Ocean/Survey/National Oceanic & Atmospheric Administration
Rockville, MD 20852

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

MESA New York Bight

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

N/A

4. PLATFORM NAME(S)

N/A

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

Taut-wire mooring, buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES See MESA Data Management Program

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?)

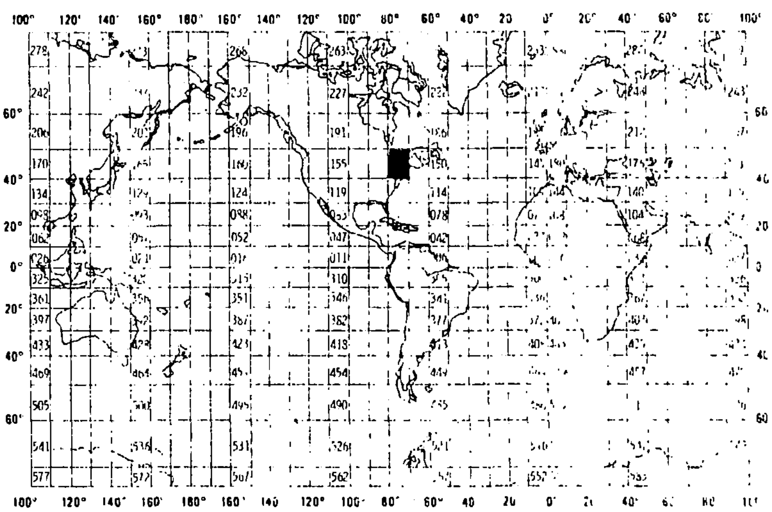
[X] NO [ ] YES [ ] PART (*SPECIFY BELOW*)

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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

GENERAL AREA



NOAA FORM 24-13 USCOMM-DC

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
Current Direction	Degrees from true north.	Aanderaa Current Meter	*	**
Current Velocity	Centimeters per second.	Aanderaa Current Meter		
Water Temperature	Degrees Celsius	Aanderaa Current Meter		
Water Pressure	Kilograms per square centimeter	Aanderaa Current Meter		
Conductivity	Millimhos per centimeter	Aanderaa Current Meter		

* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

C. DATA FORMAT

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

a. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
b. METHOD OF IDENTIFYING EACH RECORD TYPE

FILE HEADER RECORDS are identified by "1" in position ten of the record. Text contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, and data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.
One physical file is permitted on each tape, and may contain several logical files.

3. ATTRIBUTES AS EXPRESSED IN [ ] PL-1 [ ] ALGOL [ ] COBOL [X] FORTRAN [ ] _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE: [X] BCD [ ] BINARY [ ] ASCII [ ] EBCDIC [ ] _____

6. NUMBER OF TRACKS (CHANNELS): [X] SEVEN [ ] NINE [ ] _____

7. PARITY: [ ] ODD [X] EVEN

8. DENSITY: [ ] 200 BPI [ ] 1600 BPI [ ] 556 BPI [X] 800 BPI [ ] _____

9. LENGTH OF INTER-RECORD GAP (IF KNOWN): [X] 3/4 INCH [ ] _____

10. END OF FILE MARK: [X] OCTAL 17 [ ] _____

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

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)
VOL.SER.=09488 (orig.)
DEN=2 by default. VOL.SER=14031 (c/c)

12. PHYSICAL BLOCK LENGTH IN BYTES
4500

13. LENGTH OF BYTES IN BITS
6

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 AND 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 D62 - NOAA/EDS/NODC - 202-634-2605
ADDRESS WASHINGTON, DC 20235

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*)
0/0095 [redacted] (SL), D SN=TR1943
(TRKS 1943 - 1970)

12. PHYSICAL BLOCK LENGTH IN BYTES
60

13. LENGTH OF BYTES IN BITS
4800

RECORD FORMAT DESCRIPTION

RECORD NAME [illegible] FILE TYPE 005

14. ITEM NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. CODE AND MEANING
File Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Station Header Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
[illegible]	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
[illegible]	30	1	bytes	A1	"W" or "E" Hemisphere
[illegible]	31	4	bytes	F4.1	Depth in Meters
[illegible]	35	4	bytes	F4.1	Depth in Meters
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	bytes	3I3	Year, Month, Day; GMT
TIME of [illegible]	22	4	bytes	F4.2	Time in Hours; Minutes
DIRECTION	26	3	bytes	F3.0	Degrees from True North
VELOCITY	29	4	bytes	F4.0	Current; cm/sec.
TEMP	33	3	bytes	F3.1	Degrees Celsius
PRESSURE	36	4	bytes	F4.2	kg/cm^2
CONDUCTIVITY	40	4	bytes	F4.2	Millimhos/cm
blank	44	2	bytes	2X	blank

DATA RECORD (S)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						3 Record Type		Station				Observed Date and Time					Current Direction		Current Velocity		Temp		Pressure		Conductivity		
															Year			Month		Day		Hour		Hundredths Hour		Degrees from True North		Centimeters Per Second		Degrees Celsius		Tenths		Kilograms Per cm²		Hundredths of Kg./cm²		Millimhos per cm		Hundredths		Blank

STATION HEADER

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						2 Record Type		Station				Latitude					Longitude					Sensor Depth		Water Depth		Blank
															Degrees			Minutes		Seconds		"N" or "S"		Degrees		Minutes		Seconds		"E" or "W"		Meters		Tenths		Meters		Tenths		

FILE HEADER NO.3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						1 Record Type		Station				Comment Number																														

Text (Optional)

FILE HEADER NO.2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						1 Record Type		Station				Comment Number																														

Text (Optional)

FILE HEADER NO.1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
File Type			Creation Date Yr., Mo., Day						1 Record Type		Station				Comment Number																														

Text (Optional)

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 (√)	(√)
Aanderaa Current Meter			MESA	(field season)					

ACCESSION NUMBER 77-0207

Track* TR1971-98

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-R26

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.

ORIGINATOR TAPE; OMCS Lib. #(s):

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

Oceanographic Surveys Branch
Oceanographic Division
National Ocean/Survey/National Oceanic & Atmospheric Administration
Rockville, MD 20852

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

MESA New York Bight

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

N/A

4. PLATFORM NAME(S)

N/A

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

Taut-wire mooring, buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES See MESA Data Management Program

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?)

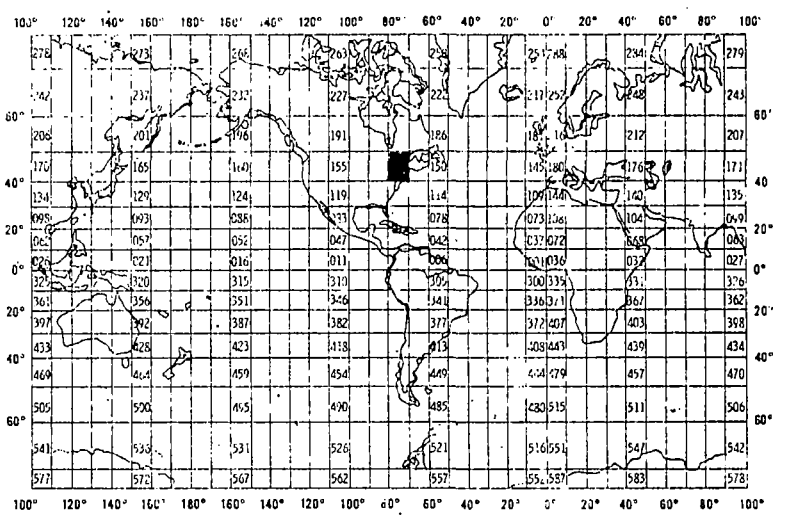
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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

GENERAL AREA



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
Current Direction	Degrees from true north.	Aanderaa Current Meter	*	**
Current Velocity	Centimeters per second.	Aanderaa Current Meter		
Water Temperature	Degrees Celsius	Aanderaa Current Meter		
Water Pressure	Kilograms per square centimeter	Aanderaa Current Meter		
Conductivity	Millimhos per centimeter	Aanderaa Current Meter		

* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

C. DATA FORMAT

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

1. RECORD TYPES CONTAINED IN THE TRANSMITTAL OF YOUR FILE
GIVE METHOD OF IDENTIFYING EACH RECORD TYPE

FILE HEADER RECORDS are identified by "1" in position ten of the record. Text contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, and data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.
One physical file is permitted on each tape, and may contain several logical files.

3. ATTRIBUTES AS EXPRESSED IN [ ] PL-1 [ ] ALGOL [ ] COBOL [X] FORTRAN [ ] _____ LANGUAGE

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

5. RECORDING MODE
[X] BCD [ ] BINARY
[ ] ASCII [ ] EBCDIC
[ ] _____

6. NUMBER OF TRACKS (CHANNELS)
[X] SEVEN
[ ] NINE
[ ] _____

7. PARITY
[ ] ODD
[X] EVEN

8. DENSITY
[ ] 200 BPI [ ] 1600 BPI
[ ] 556 BPI
[X] 800 BPI
[ ] _____

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

10. END OF FILE MARK
[X] OCTAL 17
[ ] _____

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

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)

DEN=2 by default.

Vol Ser = 09489 (orig.)
Vol Ser = 14032 (o/c)

12. PHYSICAL BLOCK LENGTH IN BYTES
4500

13. LENGTH OF BYTES IN BITS
6

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 D752-NOAA/EDS/NODC-202-634-7505
ADDRESS WASHINGTON, DC 20235

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*)
012595 (SL)
DSN= TR1971
(TR1971-1998)

12. PHYSICAL BLOCK LENGTH IN BYTES: 60

13. LENGTH OF BYTES IN BITS: 4800

RECORD FORMAT DESCRIPTION

RECORD NAME MESA BIGHT FILE TYPE 005

FIELD NAME	15. POSITION FROM - 1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Station Header Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
LATHEM	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
LONHEM	30	1	bytes	A1	"W" or "E" Hemisphere
[illegible]OR	31	4	bytes	F4.1	Depth in Meters
[illegible]ER	35	4	bytes	F4.1	Depth in Meters
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2" 3
DATE	16	6	bytes	3I3	Year, Month, Day; observed
TIME	22	4	bytes	F4.2	Time in Hours; observed
DIRECTION	26	3	bytes	F3.0	Degrees from true North
VELOCITY	29	4	bytes	F4.0	Current; cm/sec.
TEMP	33	3	bytes	F3.1	Degrees Celsius
PRESSURE	36	4	bytes	F4.2	kg/cm^2
CONDUCTIVITY	40	4	bytes	F4.2	Millimhos/cm
blank	44	2	bytes	2X	blank

AANDERAA CURRENT DATA FORMAT

FILE HEADER NO.1

1–3	4–9	10	11–15	16	17–45
File Type	Creation Date Yr. Mo. Day	Record Type = 1	Station	Comment Number	Text (Optional)

FILE HEADER NO.2

1–3	4–9	10	11–15	16	17–45
File Type	Creation Date Yr., Mo., Day	Record Type = 1	Station	Comment Number	Text (Optional)

FILE HEADER NO.3

1–3	4–9	10	11–15	16	17–45
File Type	Creation Date Yr., Mo., Day	Record Type = 1	Station	Comment Number	Text (Optional)

STATION HEADER

1–3	4–9	10	11–15	16–17	18–19	20–21	22	23–24	25–26	27–28	29–30	31–32	33–34	35–36	37–38	39–45
File Type	Creation Date Yr., Mo., Day	Record Type = 2	Station	Latitude Degrees	Minutes	Seconds	"N" or "S"	Longitude Degrees	Minutes	Seconds	"E" or "W"	Sensor Depth Meters	Tenths	Water Depth Meters	Tenths	Blank

DATA RECORD (S)

1–3	4–9	10	11–15	16–17	18–19	20–21	22–23	24–25	26–27	28–29	30–31	32–33	34–35	36–37	38	39–40	41–42	43–44	45
File Type	Creation Date Yr., Mo., Day	Record Type = 3	Station	Observed Date and Time Year	Month	Day	Hour	Hundredths of Hour	Current Dir. Degrees from True North	Current Velocity Centimeters Per Second		Temp Degrees Celsius	Tenths	Pressure Kilograms Per cm²	(Hundredths of Kg. /cm²)	Conductivity Millimhos per cm	Hundredths	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 CALIBRATED
		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			MESA	(field season)					

USCOMM-DC 44289-P77

ACCESSION NUMBER 77-0207

DATA DOCUMENTATION FORM

TR 1999-2029

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-R2C.

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ORIGINATOR TAPE; OMCS Lib. #(s):

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

Oceanographic Surveys Branch
Oceanographic Division
National Ocean/Survey/National Oceanic & Atmospheric Administration
Rockville, MD 20852

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

MESA New York Bight

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

N/A

4. PLATFORM NAME(S)

N/A

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

Taut-wire mooring, buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES — See MESA Data Management Program

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?)

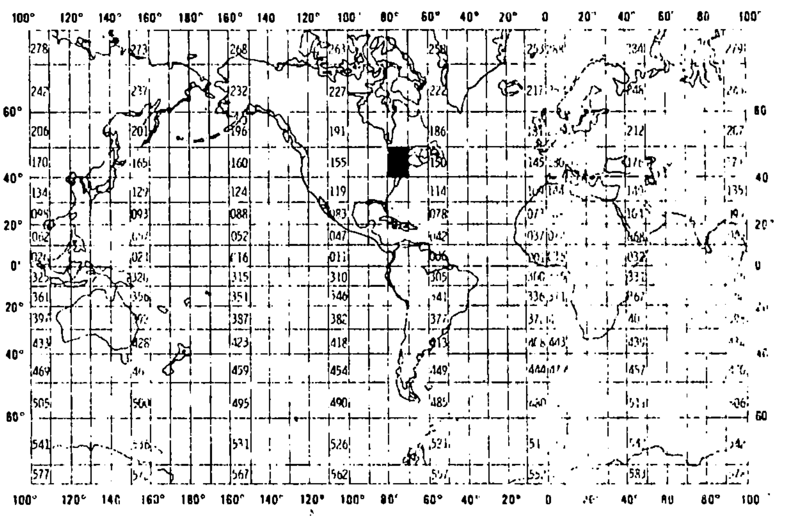
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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

GENERAL AREA



NOAA FORM 24-13

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
Current Direction	Degrees from true north.	Aanderaa Current Meter	*	**
Current Velocity	Centimeters per second.	Aanderaa Current Meter		
Water Temperature	Degrees Celsius	Aanderaa Current Meter		
Water Pressure	Kilograms per square centimeter	Aanderaa Current Meter		
Conductivity	Millimhos per centimeter	Aanderaa Current Meter		

* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

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

FILE HEADER RECORDS are identified by "1" in position ten of the record. ext contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, nd data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.

One physical file is permitted on each tape, and may contain several logical files.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

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)*

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)

DEN=2 by default.

Vol. Ser. = 09487 (orig.)
Vol. Ser. = 14030 (o/c)

12. PHYSICAL BLOCK LENGTH IN BYTES
4500

13. LENGTH OF BYTES IN BITS
6

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 D152 - NOAA/EDS/NODC - 202-634-7625
ADDRESS WASHINGTON, D.C. 20235

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)*

012341 (52)

DSN=TR1999

12. PHYSICAL BLOCK LENGTH IN BYTES
60

13. LENGTH OF BYTES IN BITS
4800

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 (√)	(√)
Aanderaa Current Meter			MESA	(field season)					

RECORD FORMAT DESCRIPTION

RECORD NAME [illegible] FILE TYPE 005

[illegible] NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH NUMBER	UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Location Header Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "2".
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
LATHEM	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
[illegible]	30	1	bytes	A1	"W" or "E" Hemisphere
[illegible]	31	4	bytes	F4.1	Depth in Meters
WATER	35	4	bytes	F4.1	Depth in Meters
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I3,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	bytes	3I3	Year, Month, Day; observed
TIME	22	4	bytes	F4.2	Time in Hours; observed
DIRECTION	26	3	bytes	F3.0	Degrees from true North
VELOCITY	29	4	bytes	F4.0	Current; cm/sec.
TEMP	33	3	bytes	F3.1	Degrees Celsius
PRESSURE	36	4	bytes	F4.2	kg/cm^2
CONDUCTIVITY	40	4	bytes	F4.2	Millimhos/cm
blank	44	2	bytes	2X	blank

DATA RECORD (S)

Columns	Field
1–3	File Type
4–9	Creation Date (Yr., Mo., Day)
10	Record Type (4)
11–15	Station
16–17	Observed Date and Time: Year
18–19	Observed Date and Time: Month
20–21	Observed Date and Time: Day
22–23	Observed Date and Time: Hour
24–25	Observed Date and Time: Hundredths of Hour
26–28	Current Dir.: Degrees from True North
29–31	Current Velocity: Centimeters Per Second
32–34	Temp: Degrees Celsius
35	Temp: Tenths
36–37	Pressure: Kilograms Per cm²
38–39	Pressure: Hundredths of Kg./cm²
40–41	Conductivity: Millimhos per cm
42–43	Conductivity: Hundredths
44–45	Blank

STATION HEADER

Columns	Field
1–3	File Type
4–9	Creation Date (Yr., Mo., Day)
10	Record Type (2)
11–15	Station
16–17	Latitude: Degrees
18–19	Latitude: Minutes
20–21	Latitude: Seconds
22	Latitude: "N" or "S"
23–25	Longitude: Degrees
26–27	Longitude: Minutes
28–29	Longitude: Seconds
30	Longitude: "E" or "W"
31–33	Sensor Depth: Meters
34	Sensor Depth: Tenths
35–37	Water Depth: Meters
38	Water Depth: Tenths
39–45	Blank

FILE HEADER NO.3

Columns	Field
1–3	File Type
4–9	Creation Date (Yr., Mo., Day)
10	Record Type (1)
11–15	Station
16	Comment Number
17–45	Text (Optional)

FILE HEADER NO.2

Columns	Field
1–3	File Type
4–9	Creation Date (Yr., Mo., Day)
10	Record Type (1)
11–15	Station
16	Comment Number
17–45	Text (Optional)

FILE HEADER NO.1

Columns	Field
1–3	File Type
4–9	Creation Date (Yr. Mo. Day)
10	Record Type (1)
11–15	Station
16	Comment Number
17–45	Text (Optional)

ACCESSION NUMBER	77-0207

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.

ORIGINATOR TAPE; OMCS Lib. #(s):

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

Oceanographic Surveys Branch
Oceanographic Division
National Ocean/Survey/National Oceanic & Atmospheric Administration
Rockville, MD 20852

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

MESA New York Bight

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

N/A

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
N/A	Taut-wire mooring, buoy	USA	USA	4/1/74	6/27/74

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES See MESA Data Management Program

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?)

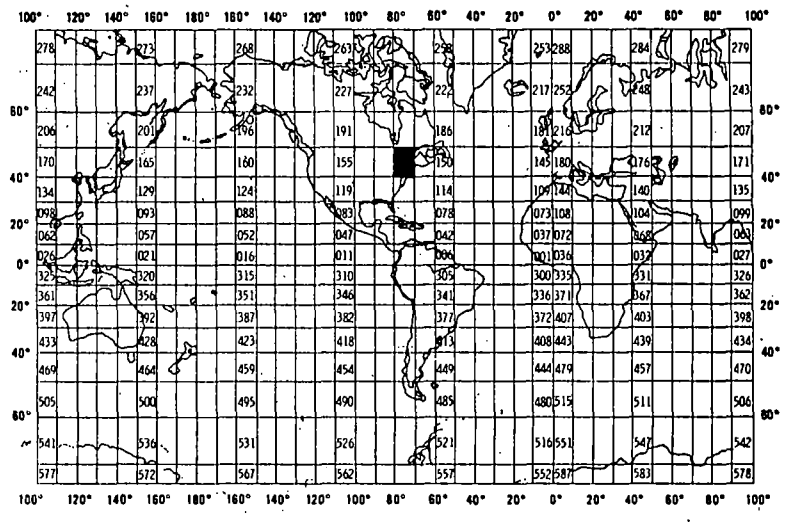
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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
Current Direction	Degrees from true north.	Aanderaa Current Meter	*	**
Current Velocity	Centimeters per second.	Aanderaa Current Meter		
Water Temperature	Degrees Celsius	Aanderaa Current Meter		
Water Pressure	Kilograms per square centimeter	Aanderaa Current Meter		
Conductivity	Millimhos per centimeter	Aanderaa Current Meter		

* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

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 AND METHOD OF IDENTIFYING EACH RECORD TYPE

FILE HEADER RECORDS are identified by "1" in position ten of the record. Text contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, and data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.
One physical file is permitted on each tape, and may contain several logical files.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

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)*

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)

DEN=2 by default.

12. PHYSICAL BLOCK LENGTH IN BYTES: 4500

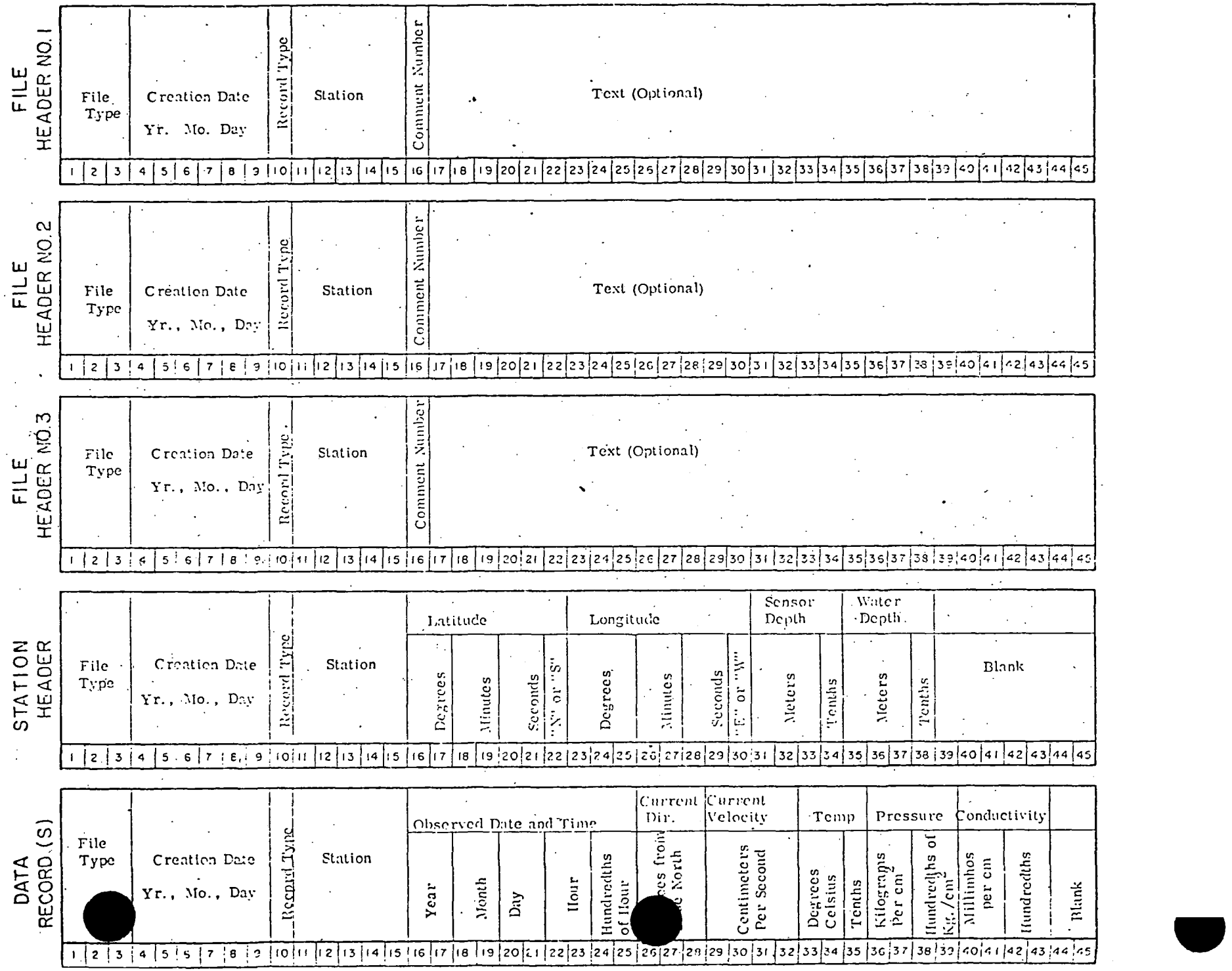
13. LENGTH OF BYTES IN BITS: 8

RECORD FORMAT DESCRIPTION

MESA BIGHT FILE TYPE 005

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
e Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Station Header Record					
IDENT	1	15	bytes	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
LATHEM	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
LONHEM	30	1	bytes	A1	"W" or "E" Hemisphere
SENSOR	31	4	bytes	I4	Depth in Meters to tenths
WATER	35	4	bytes	I4	Depth in Meters to tenths
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	bytes	3I3	Year, Month, Day; observed
TIME	22	4	bytes	I4	Time in Hours to hundredths
DIRECTION	26	3	bytes	I3	Whole degrees from true north
VELOCITY	29	4	bytes	I4	Current; whole cm/sec
TEMP	33	3	bytes	I3	Degrees Celsius to tenths
PRESSURE	36	4	bytes	I4	kg/cm^2 to hundredths
CONDUCTIVITY	40	4	bytes	I4	Millimhos/cm to hundredths
blank	44	2	bytes	2X	blank

AANDERAA CURRENT DATA FORMAT



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 (√)	(√)
Aanderaa Current Meter			MESA	(field season)					

NOAA FORM 24-13

USCOMM-DC 44[illegible]-P72

N.Y. Bight Current Meter data (*005 file type)

(1) NOS number NODC M5 (31 files):

Station Number	File ID	Dates
9A	740717	4/1 - 5/28
10C	740717	4/8 - 5/28
9B	740717	4/1 - 5/28
8B	740717	4/1 - 5/28
11C	740717	4/8 - 6/4
7A	740717	4/1 - 5/14
10A	740717	4/8 - 5/28
12A	740719	4/8 - 6/6
12C	740719	4/8 - 6/6
12B	740719	4/8 - 6/6
11D	740719	4/8 - 6/4
9B	740722	5/28 - 6/26
9A	740722	5/28 - 6/26
10C	740722	4/28 - 6/27
10B	740722	4/28 - 6/27
11B	740722	6/4 - 6/26
11A	740722	6/4 - 6/26
11C	740724	6/4 - 6/26
12A	740724	6/6 - 6/26
12B	740724	6/6 - 6/26
12C	740724	6/6 - 6/26
12D	740724	6/6 - 6/26
12E	740724	6/6 - 6/25
6A	740719	5/22 - 6/24
6B	740719	5/22 - 6/24
6C	740719	5/22 - 6/24
12D	740720	4/8 - 6/7
12E	740720	4/8 - 6/7
8A	740722	4/1 - 5/15
~~7A~~	~~740719~~	~~4/24 - 6/24~~
~~7A~~	~~740719~~	~~4/24 - 6/24~~

ACCESSION NUMBER	77-0207

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

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Rockville, MD 20852

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MESA New York Bight

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

N/A

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
N/A	Taut-wire mooring, buoy	USA	USA	4/23/74	9/23/74

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES See MESA Data Management Program

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?)

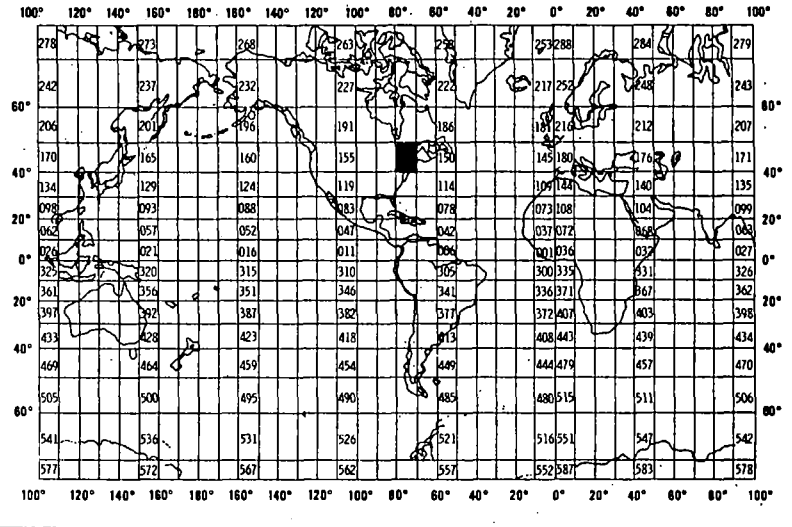
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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

GENERAL AREA



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
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* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

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

FILE HEADER RECORDS are identified by "1" in position ten of the record. Text contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, and data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.
One physical file is permitted on each tape, and may contain several logical files.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

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)*

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)

DEN=2 by default.

12. PHYSICAL BLOCK LENGTH IN BYTES: 4500

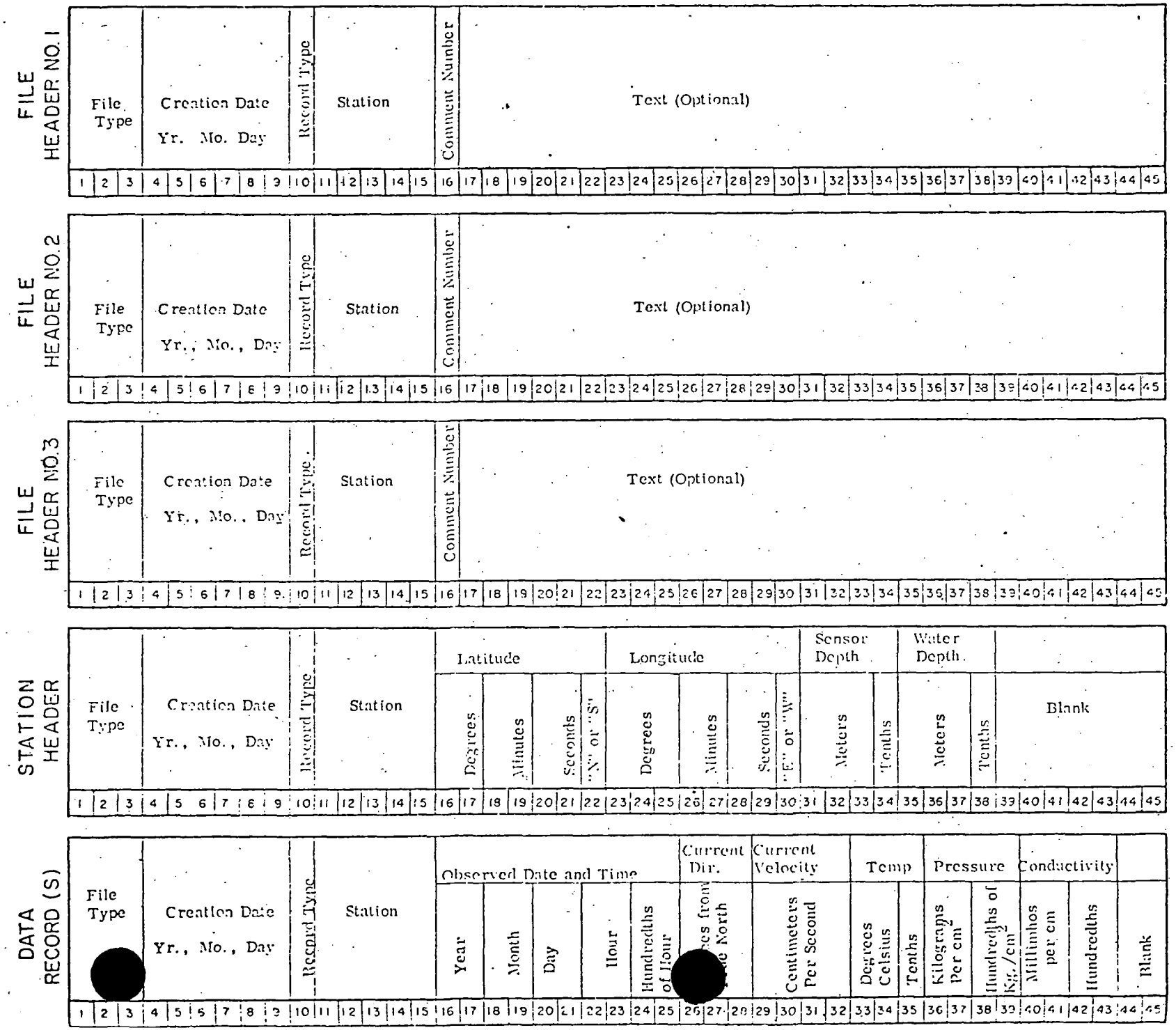
13. LENGTH OF BYTES IN BITS: 8

RECORD FORMAT DESCRIPTION

MESA BIGHT FILE TYPE 005

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Station Header Record					
IDENT	1	15	bytes	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
LATHEM	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
LONHEM	30	1	bytes	A1	"W" or "E" Hemisphere
SENSOR	31	4	bytes	I4	Depth in Meters to tenths
WATER	35	4	bytes	I4	Depth in Meters to tenths
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	bytes	3I3	Year, Month, Day; observed
TIME	22	4	bytes	I4	Time in Hours to hundredths
DIRECTION	26	3	bytes	I3	Whole degrees from true north
VELOCITY	29	4	bytes	I4	Current; whole cm/sec
TEMP	33	3	bytes	I3	Degrees Celsius to tenths
PRESSURE	36	4	bytes	I4	kg/cm^2 to hundredths
CONDUCTIVITY	40	4	bytes	I4	Millimhos/cm to hundredths
blank	44	2	bytes	2X	blank

AANDERAA CURRENT DATA FORMAT



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 (√)	
Aanderaa Current Meter			MESA	(field season)					

NOAA FORM 24-13

USCOMM-DC 442[illegible]

N.Y. Bight Current Meter Data (#005 file type)

III) NOS Number NODC M 7 (28 files):

Station Number	File ID	Dates
3A	740719	4/23 - 6/24
3B	740719	4/23 - 6/24
4A	740719	4/23 - 6/24
4B	740719	4/23 - 6/24
5A	740720	4/24 - 6/24
5B	740720	4/24 - 6/24
5C	740720	4/24 - 6/24
2B	740719	4/24 - 6/24
6C	750128	8/16 - 9/18
11C	741120	8/26 - 9/23
11D	741120	7/30 - 8/26
11D	741120	8/26 - 9/23
12A	741120	8/27 - 9/23
12B	741120	7/30 - 8/27
12B	741120	8/27 - 9/23
12C	741120	8/27 - 9/23
12D	741120	7/30 - 8/27
12E	741120	7/30 - 8/27
12E	741122	8/27 - 9/23
2A	750303	8/29 - 9/19
2B	750303	7/22 - 8/24
2C	750303	8/24 - 9/23
3A	750303	8/6 - 9/19
3B	750303	7/22 - 8/19
3B	750303	8/16 - 9/19
3C	750307	[redacted] - 8/19
3C	750307	
4A	750307	

N.Y. Bight Current Meter Data (*005 file type)

II) NOS Number NODCM6 (28 file)

Station Number	ID Number	Dates
4B	74 0307	7/22 - 8/19
4B	74 0307	8/16 - 9/18
4C	74 0307	7/22 - 8/19
4C	74 0307	8/16 - 9/18
5A	74 0307	8/29 - 9/18
5B	74 0307	7/22 - 8/21
5B	74 0307	8/21 - 9/18
5C	74 11 14	8/21 - 9/18
6A	74 11 14	8/29 - 9/18
6B	74 11 14	7/22 - 8/19
6B	74 11 14	8/16 - 9/18
6C	74 11 14	7/22 - 8/19
7A	74 11 14	8/6 - 9/25
7B	74 11 14	7/30 - 8/29
8A	74 11 14	8/27 - 9/25
8B	74 11 14	7/30 - 8/29
8B	74 11 14	8/28 - 9/24
8C	74 11 14	7/30 - 8/29
8C	74 11 14	8/27 - 9/25
9B	74 11 15	8/27 - 9/25
9C	74 11 15	7/30 - 8/29
10A	74 11 15	8/28 - 9/23
10B	74 11 15	7/30 - 8/26
10C	74 11 15	7/30 - 8/26
10C	74 11 15	8/26 - 9/23
11A	74 11 15	8/28 - 9/23
11B	74 11 15	7/30 - 8/26
11B	74 11 15	8/26 - 9/23

ACCESSION NUMBER	77-0207

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.

ORIGINATOR TAPE; OMCS Lib. #(s):

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

Oceanographic Surveys Branch
Oceanographic Division
National Ocean/Survey/National Oceanic & Atmospheric Administration
Rockville, MD 20852

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

MESA New York Bight

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

N/A

4. PLATFORM NAME(S)

N/A

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

Taut-wire mooring, buoy

6. PLATFORM AND OPERATOR NATIONALITY(IES)

PLATFORM	OPERATOR
USA	USA

7. DATES

FROM: MO/DAY/YR	TO: MO/DAY/YR
7/22/74	9/25/74

8. ARE DATA PROPRIETARY?

[X] NO [ ] YES See MESA Data Management Program

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?)

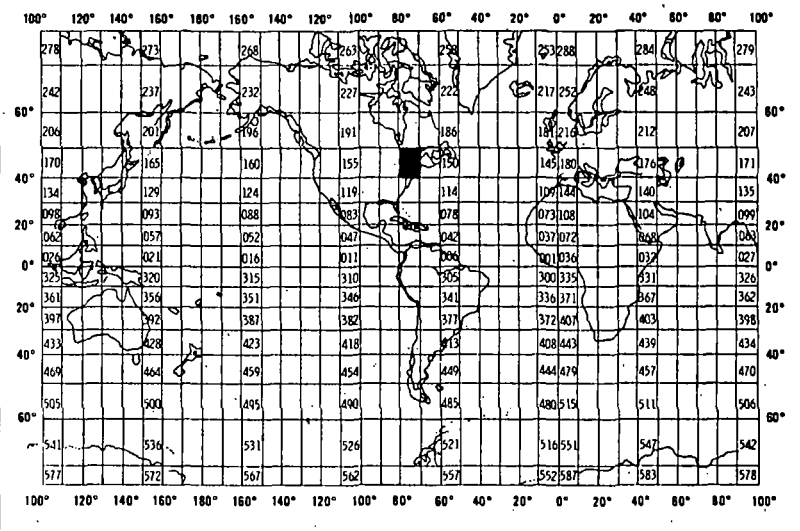
[X] NO [ ] YES [ ] PART *(SPECIFY BELOW)*

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

Chief, Oceanographic Surveys Branch
(301) 443-8501

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

GENERAL AREA



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
Current Direction	Degrees from true north.	Aanderaa Current Meter	*	**
Current Velocity	Centimeters per second.	Aanderaa Current Meter		
Water Temperature	Degrees Celsius	Aanderaa Current Meter		
Water Pressure	Kilograms per square centimeter	Aanderaa Current Meter		
Conductivity	Millimhos per centimeter	Aanderaa Current Meter		

* A/D conversion to engineering units.

** All data sampled at 10 minute intervals.

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 AND METHOD OF IDENTIFYING EACH RECORD TYPE

FILE HEADER RECORDS are identified by "1" in position ten of the record. Text contains buoy identification.
STATION HEADER RECORD is identified by "2" in position ten of the record. Buoy location, sensor and water depth are included.
DATA RECORDS are identified by "3" in position ten. They contain date, time, and data.

2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

A logical file consists of 3 file header records, one station header, and numerous data records. Samples every 10 minutes, spanning up to about 2 months may appear in an average file.
One physical file is permitted on each tape, and may contain several logical files.

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

4. RESPONSIBLE COMPUTER SPECIALIST:
NAME AND PHONE NUMBER Tom Baumgardner; (301) 443-8050
ADDRESS C333; WSC-1; 60001 Executive Blvd., Rockville, MD 20852
Supervisor: C.R. Muirhead; Chief, Oceanographic Surveys Branch, C333

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)*

DCB=(BLKSIZE=4500,LRECL=45,RECFM=FB
TRTCH=ET)

DEN=2 by default.

12. PHYSICAL BLOCK LENGTH IN BYTES: 4500

13. LENGTH OF BYTES IN BITS: 8

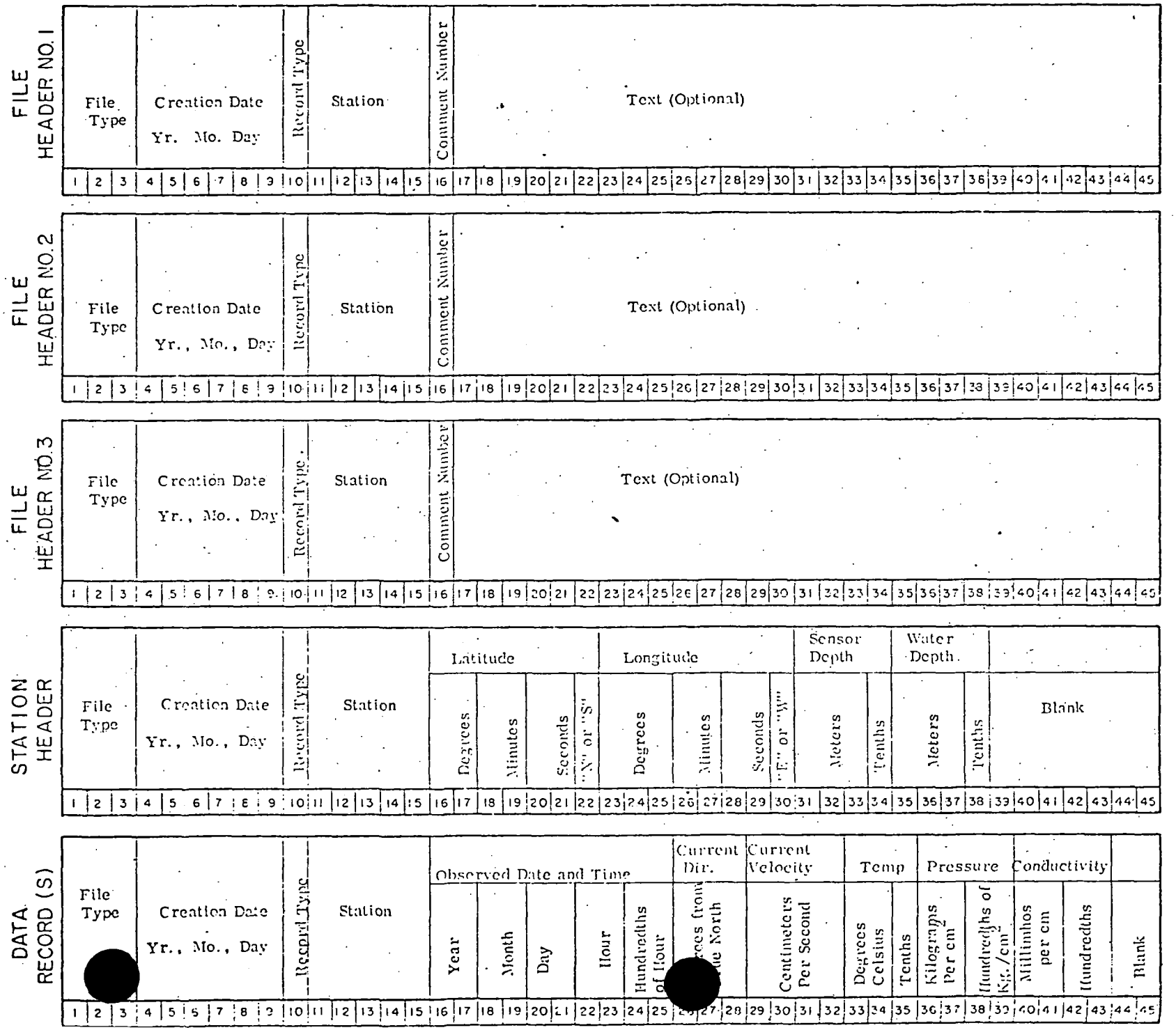
RECORD FORMAT DESCRIPTION

MESA BIGHT FILE TYPE 005

14. FIELD NAME	15. POSITION FROM-1 MEASURED IN _____ (e.g., bits, bytes)	16. LENGTH NUMBER	16. LENGTH UNITS	17. ATTRIBUTES	18. USE AND MEANING
File Header Record					
FILE TYPE	1	3	bytes	A3	"005" (constant value)
FILE DATE	4	6	bytes		Date of File Creation
YEAR	4	2	bytes	I2	Last two digits of year
MONTH	6	2	bytes	I2	Month "01" thru "12"
DAY	8	2	bytes	I2	Day "01" thru "31"
RECORD TYPE	10	1	bytes	A1	"1" for File Header
STATION	11	5	bytes	A5	Buoy Station Identifier
SEQUENCE	16	1	bytes	I1	File Header Number
TEXT	17	29	bytes	29A1	Optional Comments
Station Header Record					
IDENT	1	15	bytes	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	bytes	3I2	Degrees, Minutes, Seconds
LATHEM	22	1	bytes	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	bytes	I3,2I2	Degrees, Minutes, Seconds
LONHEM	30	1	bytes	A1	"W" or "E" Hemisphere
SENSOR	31	4	bytes	I4	Depth in Meters to tenths
WATER	35	4	bytes	I4	Depth in Meters to tenths
blank	39	7	bytes	7X	blank
Data Record					
IDENT	1	15	bytes	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	bytes	3I3	Year, Month, Day; observed
TIME	22	4	bytes	I4	Time in Hours to hundredths
DIRECTION	26	3	bytes	I3	Whole degrees from true north
VELOCITY	29	4	bytes	I4	Current; whole cm/sec
TEMP	33	3	bytes	I3	Degrees Celsius to tenths
PRESSURE	36	4	bytes	I4	kg/cm^2 to hundredths
CONDUCTIVITY	40	4	bytes	I4	Millimhos/cm to hundredths
blank	44	2	bytes	2X	blank

USCOMM-DC 44289-P72

AANDERAA CURRENT DATA FORMAT



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 (√)	
Aanderaa Current Meter			MESA	(field season)					

NOAA FORM 24-13

USCOMM-DC 44289-P72

Error Correction Documentation Form

DATE: 12/78

TO:

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 77-0207

1) File Type: 005

2) Project Ident.: MESANY BIGHT

3) Track Nos.: TR 1943-2029

I. Error Corrections as reported to Principal Investigator:

Error	Correction Completed (Check)

II. Additional error corrections:

Error	Correction Completed (Check)
1. Deleted all zero conductivity values and conductivity values greater than 5000 and less than 1500.	
2. Deleted neg. pressure values; neg. conductivity values.	
3. added zeros to fill fields when data was less than 1000.	
4. Deleted erroneous temp. values and garbage also deleted zero values when constant for entire track.	

III. Processor Name: Mary Lewis

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

To : Mary

From:

zero value (0) Temp, cond. and pressure looks fishy for this area and time. They should be ~~deleted~~ blanked for all Tracks

Tr 1943 - 1970. Run latest version of check duplicate sta #s ?

Tr 1975 ? Illegal velocity field, blank out for Lat. + Longitude
not found*

Tr 1976, 1977 ~~[illegible]~~ zero (0) Lat + Long
? not found*

~~The pressures~~ for all track look look like they are reported to 1/10 of Kg/cm rather than 1/100. J. Rodden is checking into this and the zero positions

When we recheck this lets get rid of these old check listings

Phil

*These values had been corrected previously.

☆ U.S. GPO: 1975-665-081/1182 Region 6

Phil:

1) (Access # 77-0083, TR 2 129-82) (?!)

Lat. 40° 25' 00' N
Long 73° 39' 48' W

} Ferrel Cruises for NOS # NODCM 7 data set (TR 1975) - Meter Station #5A, #5B, #5C.

2) Bob Muirhead ~~says~~ that ~~the~~ pressure units ~~they~~ report are in whole units (no 1/10 or 1/100). This for the NODCM 5 → 7 for Access # 77-0207, TR 1+3→2029.

x.xx
179

File type 5-3 87

005 2

#2 013940
10884
60/4800
DSN=F005

ANSI 002409
10295 (C4013)
60/4800
OSN = F005
#1 U020413

TR 1943 - TR 2029

444, 1 tr

TRANSACTION # 1 — 005 MESA INF Right

Accession No: 77-0207

770207

TR 1943 thru TR 2029

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

USER'S INPUT REQUESTS FOLLOW:
LRECL HAS BEEN SPECIFIED AS  60
STATION HEADER RECORD SPECIFIED AS 1
RECORD TYPES FLAGGED FOR RETRIEVAL ARE - 123
STATION STARTS IN POSITION  11 FOR  5 BYTES
STATION WILL APPEAR ON RECORD TYPES : 123
RECORD TYPE WILL BE TAKEN FROM COLUMN 10 OF THE INPUT RECORDS
FILETYPE IS 005

NO OBVIOUS ERRORS FOUND IN TABLE GENERATION PHASE - SUCCESSFUL EXECUTION EXPECTED
**********************************************************
005TR19991   9A1NEW YORK BIGHT     ,NOS,NOAA
   ??????
FIRST FILE ID
THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC
```

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW	RANGE TESTED HIGH	ACTUAL RANGE LOWEST	ACTUAL RANGE HIGHEST	MEAN	S. DEV	COUNT
N	1	16	1	SEQUENCE	NO RANGE CHECKING		1	3	2,00	81	3
M	2	16	2	LATDEG	00	89	40	40	40,00	0C	1
M	2	18	2	LATMIN	00	59	18	18	18,00	0C	1
N	2	20	2	LATSEC	00	59	0	0	00	0C	1
C	2	22	1	LATHEM	N	N					
M	2	23	3	LONDEG	000	179	73	73	73,00	0C	1
M	2	26	2	LONMIN	00	59	54	54	54,00	0C	1
N	2	28	2	LONSEC	00	59	0	0	00	0C	1
C	2	30	1	LONHEM	W	W					
N	2	31	4	SENSOR DEPTH	NO RANGE CHECKING		143	143	143,00	0C	1
N	2	35	4	WATER DEPTH	NO RANGE CHECKING		210	210	210,00	0C	1
B	2	39	7								0
M	3	16	2	YEAR	70	78	74	74	74,00	0C	8219
M	3	18	2	MONTH	01	12	4	5	4,48	57	8219
M	3	20	2	DAY	01	31	1	30	15,18	8,29	8219
N	3	22	2	HOUR	NO RANGE CHECKING		1	23	12,01	6,63	7877
N	3	24	2	HUNDREDTHS OF HOUR	00	99	3	87	45,00	28,60	8219
N	3	26	3	DIRECTION	000	360	0	359	181,85	106,04	8219
N	3	29	4	VELOCITY	0000	5000	4	50	17,41	5,76	8219
N	3	33	3	TEMPERATURE	-20	320	53	145	72,99	13,95	8219
N	3	36	4	PRESSURE	NO RANGE CHECKING		155	188	171,11	5,83	8219
N	3	40	4	CONDUCTIVITY	0000	7500	3040	3783	3305,97	119,64	8219
B	3	44	2								0

```
RECORDS READ :       8223
```

```
**********************************************************
005TR20001  10C1NEW YORK BIGHT     ,NOS,NOAA
   ??????
FILE ID HAS CHANGED
THE FIELDS BELOW WERE CHECKED AS FOLLOWS(S=SIGN/B=BLANK/T=TAXONOMIC CODE/N=NUMERICS/M=MANDATORY NUMERIC
```

TYPE	REC	POS	LENGTH	NAME	RANGE TESTED LOW	RANGE TESTED HIGH	ACTUAL RANGE LOWEST	ACTUAL RANGE HIGHEST	MEAN	S. DEV	COUNT
N	1	16	1	SEQUENCE	NO RANGE CHECKING		1	3	2.00	81	3
M	2	16	2	LATDEG	00	89	40	40	40.00	00	1
M	2	18	2	LATMIN	00	59	18	18	18.00	00	1
N	2	20	2	LATSEC	00	59	24	24	24.00	00	1
C	2	22	1	LATHEM	N	N					
M	2	23	3	LONDEG	000	179	73	73	73.00	00	1
M	2	26	2	LONMIN	00	59	51	51	51.00	00	1
N	2	28	2	LONSEC	00	59	42	42	42.00	00	1
C	2	30	1	LONHEM	W	W					
N	2	31	4	SENSOR DEPTH	NO RANGE CHECKING		82	82	82.00	00	1
N	2	35	4	WATER DEPTH	NO RANGE CHECKING		235	235	235.00	00	1
B	2	39	7								0
M	3	16	2	YEAR	70	78	74	74	74.00	00	7221
M	3	18	2	MONTH	01	12	4	5	4.55	53	7221
M	3	20	2	DAY	01	31	1	30	16.59	7.77	7221
N	3	22	2	HOUR	NO RANGE CHECKING		1	23	12.01	6.63	6921
N	3	24	2	HUNDREDTHS OF HOUR	00	99	0	83	41.67	28.40	7221
N	3	26	3	DIRECTION	000	360	0	359	179.98	112.14	7221
N	3	29	4	VELOCITY	0000	5000	11	71	29.27	9.33	7221
N	3	33	3	TEMPERATURE	-20	320	57	147	92.45	20.84	7221
N	3	36	4	PRESSURE	NO RANGE CHECKING		84	103	93.04	3.20	7221
N	3	40	4	CONDUCTIVITY	0000	7500	2973	3875	3386.78	175.12	7221
B	3	44	2								0

```
RECORDS READ :       7225
```

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7700207	F005	TR1943	0065	31J4	317F	1974/07/22	4B-1	302822
7700207	F005	TR1944	0065	31J4	317F	1974/08/16	4B-2	302823
7700207	F005	TR1945	0065	31J4	317F	1974/07/22	4C-1	302824
7700207	F005	TR1946	0065	31J4	317F	1974/08/16	4C-2	302825
7700207	F005	TR1947	0065	31J4	317F	1974/08/29	5A-1	302826
7700207	F005	TR1948	0065	31J4	317F	1974/07/22	5B-1	302827
7700207	F005	TR1949	0065	31J4	317F	1974/08/21	5B-2	302828
7700207	F005	TR1950	0065	31J4	317F	1974/08/21	5C-1	302829
7700207	F005	TR1951	0065	31J4	317F	1974/08/29	6A-1	302830
7700207	F005	TR1952	0065	31J4	317F	1974/07/22	6B-1	302831
7700207	F005	TR1953	0065	31J4	317F	1974/08/16	6B-2	302832
7700207	F005	TR1954	0065	31J4	317F	1974/07/22	6C-1	302833
7700207	F005	TR1955	0065	31J4	317F	1974/08/06	7A-1	302834
7700207	F005	TR1956	0065	31J4	317F	1974/07/30	7B	302835
7700207	F005	TR1957	0065	31J4	317F	1974/08/27	8A-1	302836
7700207	F005	TR1958	0065	31J4	317F	1974/07/30	8B-1	302837
7700207	F005	TR1959	0065	31J4	317F	1974/08/28	8B-2	302838
7700207	F005	TR1960	0065	31J4	317F	1974/07/30	8C-1	302839
7700207	F005	TR1961	0065	31J4	317F	1974/08/27	8C-2	302840
7700207	F005	TR1962	0065	31J4	317F	1974/08/27	9B-1	302841
7700207	F005	TR1963	0065	31J4	317F	1974/07/30	9C	302842
7700207	F005	TR1964	0065	31J4	317F	1974/08/28	10A-1	302843
7700207	F005	TR1965	0065	31J4	317F	1974/07/30	10B-1	302844
7700207	F005	TR1966	0065	31J4	317F	1974/07/30	10C-1	302845
7700207	F005	TR1967	0065	31J4	317F	1974/08/26	10C-2	302846
7700207	F005	TR1968	0065	31J4	317F	1974/08/28	11A-1	302847
7700207	F005	TR1969	0065	31J4	317F	1974/07/30	11B-1	302848
7700207	F005	TR1970	0065	31J4	317F	1974/08/26	11B-2	302849
7700207	F005	TR1971	0065	31J4	317F	1974/04/23	3A-1	302850
7700207	F005	TR1972	0065	31J4	317F	1974/04/23	3B-1	302851
7700207	F005	TR1973	0065	31J4	317F	1974/04/23	4A-1	302852
7700207	F005	TR1974	0065	31J4	317F	1974/04/23	4B-2	302853
7700207	F005	TR1975	0065	31J4	317F	1974/04/24	5A-1	302854
7700207	F005	TR1976	0065	31J4	317F	1974/04/24	5B-2	302855
7700207	F005	TR1977	0065	31J4	317F	1974/04/24	5C-3	302856
7700207	F005	TR1978	0065	31J4	317F	1974/04/24	2B-1	302857
7700207	F005	TR1979	0065	31J4	317F	1974/08/16	6C-2	302858
7700207	F005	TR1980	0065	31J4	317F	1974/08/26	11C-1	302859
7700207	F005	TR1981	0065	31J4	317F	1974/07/30	11D-1	302860
7700207	F005	TR1982	0065	31J4	317F	1974/08/26	11D-2	302861
7700207	F005	TR1983	0065	31J4	317F	1974/08/27	12A-1	302862
7700207	F005	TR1984	0065	31J4	317F	1974/07/30	12B-1	302863
7700207	F005	TR1985	0065	31J4	317F	1974/08/27	12B-2	302864
7700207	F005	TR1986	0065	31J4	317F	1974/08/27	12C-1	302865
7700207	F005	TR1987	0065	31J4	317F	1974/07/30	12D	302866
7700207	F005	TR1988	0065	31J4	317F	1974/07/30	12E-1	302867
7700207	F005	TR1989	0065	31J4	317F	1974/08/27	12E-2	302868
7700207	F005	TR1990	0065	31J4	317F	1974/08/29	2A-1	302869
7700207	F005	TR1991	0065	31J4	317F	1974/07/22	2B-2	302870
7700207	F005	TR1992	0065	31J4	317F	1974/08/24	2C	302871
7700207	F005	TR1993	0065	31J4	317F	1974/08/06	3A-2	302872
7700207	F005	TR1994	0065	31J4	317F	1974/07/22	3B-2	302873
7700207	F005	TR1995	0065	31J4	317F	1974/08/16	3B-3	302874
7700207	F005	TR1996	0065	31J4	317F	1974/07/22	3C-1	302875
7700207	F005	TR1997	0065	31J4	317F	1974/08/16	3C-2	302876
7700207	F005	TR1998	0065	31J4	317F	1974/08/29	4A-2	302877
7700207	F005	TR1999	0065	31J4	317F	1974/04/01	9A-1	302878

7700207	F005	TR2000	0065	31J4	317F	1974/04/08	10C-3	302879
7700207	F005	TR2001	0065	31J4	317F	1974/04/01	9B-2	302880
7700207	F005	TR2002	0065	31J4	317F	1974/04/01	8B-3	302881
7700207	F005	TR2003	0065	31J4	317F	1974/04/08	11C-2	302882
7700207	F005	TR2004	0065	31J4	317F	1974/04/01	7A-2	302883
7700207	F005	TR2005	0065	31J4	317F	1974/04/08	10A-2	302884
7700207	F005	TR2006	0065	31J4	317F	1974/04/08	12A-2	302885
7700207	F005	TR2007	0065	31J4	317F	1974/04/08	12C-2	302886
7700207	F005	TR2008	0065	31J4	317F	1974/04/08	12B-3	302887
7700207	F005	TR2009	0065	31J4	317F	1974/04/08	11D-3	302888
7700207	F005	TR2010	0065	31J4	317F	1974/05/28	9B-3	302889
7700207	F005	TR2011	0065	31J4	317F	1974/05/28	9A-2	302890
7700207	F005	TR2012	0065	31J4	317F	1974/05/28	10C-4	302891
7700207	F005	TR2013	0065	31J4	317F	1974/05/28	10B-2	302892
7700207	F005	TR2014	0065	31J4	317F	1974/06/04	11B-3	302893
7700207	F005	TR2015	0065	31J4	317F	1974/06/04	11A-2	302894
7700207	F005	TR2016	0065	31J4	317F	1974/06/04	11C-3	302895
7700207	F005	TR2017	0065	31J4	317F	1974/06/06	12A-3	302896
7700207	F005	TR2018	0065	31J4	317F	1974/06/06	12B-4	302897
7700207	F005	TR2019	0065	31J4	317F	1974/06/06	12C-3	302898
7700207	F005	TR2020	0065	31J4	317F	1974/06/06	12D-1	302899
7700207	F005	TR2021	0065	31J4	317F	1974/06/06	12E-1	302900
7700207	F005	TR2022	0065	31J4	317F	1974/05/22	6A-2	302901
7700207	F005	TR2023	0065	31J4	317F	1974/05/22	6B-3	302902
7700207	F005	TR2024	0065	31J4	317F	1974/05/22	6C-3	302903
7700207	F005	TR2025	0065	31J4	317F	1974/04/08	12D-2	302904
7700207	F005	TR2026	0065	31J4	317F	1974/04/08	12E-2	302905
7700207	F005	TR2027	0065	31J4	317F	1974/04/01	8A-2	302906
7700207	F005	TR2028	0065	31J4	317F	1974/04/24	1A	302907
7700207	F005	TR2029	0065	31J4	317F	1974/04/24	2A-2	302908

(87 rows affected)

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7700207	F005	TR1943	317F	2	4039	74/07/22	74/08/19
7700207	F005	TR1944	317F	2	4178	74/08/16	74/09/18
7700207	F005	TR1945	317F	2	4040	74/07/22	74/08/19
7700207	F005	TR1946	317F	2	4178	74/08/16	74/09/18
7700207	F005	TR1947	317F	2	2739	74/08/29	74/09/18
7700207	F005	TR1948	317F	2	4360	74/07/22	74/08/21
7700207	F005	TR1949	317F	2	3856	74/08/21	74/09/18
7700207	F005	TR1950	317F	2	3859	74/08/21	74/09/18
7700207	F005	TR1951	317F	2	2738	74/08/29	74/09/18
7700207	F005	TR1952	317F	2	4040	74/07/22	74/08/19
7700207	F005	TR1953	317F	2	4179	74/08/16	74/09/18
7700207	F005	TR1954	317F	2	4039	74/07/22	74/08/19
7700207	F005	TR1955	317F	2	7039	74/08/06	74/09/25
7700207	F005	TR1956	317F	2	4175	74/07/30	74/08/29
7700207	F005	TR1957	317F	2	3867	74/08/27	74/09/25
7700207	F005	TR1958	317F	2	4173	74/07/30	74/08/29
7700207	F005	TR1959	317F	2	3871	74/08/28	74/09/24
7700207	F005	TR1960	317F	2	4171	74/07/30	74/08/29
7700207	F005	TR1961	317F	2	3871	74/08/27	74/09/25
7700207	F005	TR1962	317F	2	3878	74/08/27	74/09/25
7700207	F005	TR1963	317F	2	4170	74/07/30	74/08/29
7700207	F005	TR1964	317F	2	3768	74/08/28	74/09/23
7700207	F005	TR1965	317F	2	3888	74/07/30	74/08/26
7700207	F005	TR1966	317F	2	3884	74/07/30	74/08/26
7700207	F005	TR1967	317F	2	4039	74/08/26	74/09/23
7700207	F005	TR1968	317F	2	3764	74/08/28	74/09/23
7700207	F005	TR1969	317F	2	3875	74/07/30	74/08/26
7700207	F005	TR1970	317F	2	4047	74/08/26	74/09/23
7700207	F005	TR1971	317F	3	8880	74/04/23	74/06/24
7700207	F005	TR1972	317F	3	8900	74/04/23	74/06/24
7700207	F005	TR1973	317F	3	8936	74/04/23	74/06/24
7700207	F005	TR1974	317F	3	8936	74/04/23	74/06/24
7700207	F005	TR1975	317F	3	8775	74/04/24	74/06/01
7700207	F005	TR1976	317F	3	8784	74/04/24	74/06/01
7700207	F005	TR1977	317F	3	8760	74/04/24	74/06/01
7700207	F005	TR1978	317F	3	8754	74/04/24	74/06/24
7700207	F005	TR1979	317F	2	4181	74/08/16	74/09/18
7700207	F005	TR1980	317F	2	4046	74/08/26	74/09/23
7700207	F005	TR1981	317F	2	3875	74/07/30	74/08/26
7700207	F005	TR1982	317F	2	4046	74/08/26	74/09/23
7700207	F005	TR1983	317F	2	3892	74/08/27	74/09/23
7700207	F005	TR1984	317F	2	4035	74/07/30	74/08/27
7700207	F005	TR1985	317F	2	3893	74/08/27	74/09/23
7700207	F005	TR1986	317F	2	3892	74/08/27	74/09/23
7700207	F005	TR1987	317F	2	4036	74/07/30	74/08/27
7700207	F005	TR1988	317F	2	4037	74/07/30	74/08/27
7700207	F005	TR1989	317F	2	3892	74/08/27	74/09/23
7700207	F005	TR1990	317F	2	2751	74/08/29	74/09/19
7700207	F005	TR1991	317F	2	4754	74/07/22	74/08/24
7700207	F005	TR1992	317F	2	3470	74/08/24	74/09/23
7700207	F005	TR1993	317F	2	6068	74/08/06	74/09/19
7700207	F005	TR1994	317F	2	4043	74/07/22	74/08/19
7700207	F005	TR1995	317F	2	4179	74/08/16	74/09/19
7700207	F005	TR1996	317F	2	4032	74/07/22	74/08/19
7700207	F005	TR1997	317F	2	4180	74/08/16	74/09/19
7700207	F005	TR1998	317F	2	2739	74/08/29	74/09/18

7700207	F005	TR1999	317F	2	8223	74/04/01	74/05/28
7700207	F005	TR2000	317F	2	7225	74/04/08	74/05/28
7700207	F005	TR2001	317F	2	8223	74/04/01	74/05/28
7700207	F005	TR2002	317F	2	6319	74/04/01	74/05/28
7700207	F005	TR2003	317F	3	8201	74/04/08	74/06/04
7700207	F005	TR2004	317F	2	6198	74/04/01	74/05/14
7700207	F005	TR2005	317F	2	7224	74/04/08	74/05/28
7700207	F005	TR2006	317F	3	8484	74/04/08	74/06/06
7700207	F005	TR2007	317F	3	8481	74/04/08	74/06/06
7700207	F005	TR2008	317F	3	8484	74/04/08	74/06/06
7700207	F005	TR2009	317F	3	8202	74/04/08	74/06/04
7700207	F005	TR2010	317F	2	4126	74/05/28	74/06/26
7700207	F005	TR2011	317F	2	4156	74/05/28	74/06/26
7700207	F005	TR2012	317F	2	4158	74/05/28	74/06/27
7700207	F005	TR2013	317F	2	4159	74/05/28	74/06/27
7700207	F005	TR2014	317F	1	3163	74/06/04	74/06/26
7700207	F005	TR2015	317F	1	3162	74/06/04	74/06/26
7700207	F005	TR2016	317F	1	3163	74/06/04	74/06/26
7700207	F005	TR2017	317F	1	2862	74/06/06	74/06/26
7700207	F005	TR2018	317F	1	2863	74/06/06	74/06/26
7700207	F005	TR2019	317F	1	2864	74/06/06	74/06/26
7700207	F005	TR2020	317F	1	2863	74/06/06	74/06/26
7700207	F005	TR2021	317F	1	2863	74/06/06	74/06/26
7700207	F005	TR2022	317F	2	4760	74/05/22	74/06/24
7700207	F005	TR2023	317F	2	4760	74/05/22	74/06/24
7700207	F005	TR2024	317F	2	4760	74/05/22	74/06/24
7700207	F005	TR2025	317F	3	8480	74/04/08	74/06/07
7700207	F005	TR2026	317F	3	8481	74/04/08	74/06/07
7700207	F005	TR2027	317F	2	6310	74/04/01	74/05/15
7700207	F005	TR2028	317F	3	8673	74/04/24	74/06/24
7700207	F005	TR2029	317F	3	8761	74/04/24	74/06/24

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