

DDF B: 3: 09

ACCESSION NUMBER

8200240

DATA DOCUMENTATION FORM

TR 8753-812

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 NOQC. 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 NOAA/NOS Circulatory Surveys Branch (C211) 6001 Executive Blvd. Rockville, MD 20852			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  New York Harbor Circulatory Survey 1980 - 1981		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  OPR-B804-FE-80 OPR-B804-FE-81	
4. PLATFORM NAME(S) NOAA Ship FERREL	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) Ship and instrumented moorings.	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		USA	USA
		7. DATES	
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		8-4-80 2-1-81	10-30-80 7-31-81
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)  Charles R. Muirhead 301/443-8501			

### 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

- Plessey Current Data
- Plessey Conductivity, Temperature and Censity Data.
- Aanderaa Meteorological Data
- Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

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 type="checkbox"/> BCD    <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN) <input type="checkbox"/> 3/4 INCH <input checked="" type="checkbox"/> 1/2 inch</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>New York Harbor Survey U. E. Report</b></p> <p><b>121 Files of 1980 Current Data</b></p> <p><b>123 Files of 1981 Current Data</b> <i>Not tape</i></p> <p><b>3 Files of 1980 MET Data</b></p> <p><b>6 Files of 1981 MET Data</b></p> <p><b>42 Files of 1980 CTD Data</b></p> <p><b>272 Files of 1981 CTD Data</b></p>
<p>8. DENSITY</p> <p><input type="checkbox"/> 200 BPI    <input type="checkbox"/> 1600 BPI</p> <p><input type="checkbox"/> 356 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>4500 Characters = 2250 bytes</b></p> <p>13. LENGTH OF BYTES IN BITS</p> <p><b>18 bits/byte</b></p>

### 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 (✓)	
Plessey Current	August 1981	x		x					
Plessey CTD	August 1981	x		x					
Aanderaa MET	August 1981	x		x					

FORMAT DESCRIPTION: Aanderaa Current Meter Eulerian (005)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"005"
FILE DATE	4	6		Date of File Creation
YEAR	4	2	I2	Last two digits of year
MONTH	6	2	I2	Month "01" thru "12"
DAY	8	2	I2	Day "01" thru "31"
RECORD TYPE	10	1	A1	"1" for File Header
STATION	11	5	A5	Buoy Station Identifier
SEQUENCE	16	1	I1	File Header Number
TEXT	17	29	29A1	Optional Comments
<u>Station Header Record</u>				
IDENT	1	15	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	3I2	Degrees, Minutes, Seconds
HEMISPHERE	22	1	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	I3,2I2	Degrees, Minutes, Seconds
HEMISPHERE	30	1	A1	"W" or "E" Hemisphere
SENSOR	31	4	I4	Depth in Meters
WATER	35	4	I4	Depth in Meters
blank	39	7	7X	blank
<u>Data Record</u>				
IDENT	1	15	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	3I3	Year, Month, Day; observed
TIME	22	4	I4	Time in Hours to hundredths
DIRECTION	26	3	I3	Whole degrees from true north
VELOCITY	29	4	I4	Current; whole cm/sec
TEMP	33	3	I3	Degrees Celsius to tenths
PRESSURE	36	4	I4	Kg/m sec <sup>2</sup> to hundredths
CONDUCTIVITY	40	4	I4	Millimhos to hundredths
blank	44	2	2X	blank

82NODC230

REFERENCE NO.

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):

- ORDINARY MAIL  AIR MAIL
- REGISTERED MAIL  EXPRESS
- GBL (Give number) \_\_\_\_\_

TO:

Director  
NODC  
D7  
Page Building -

DATE FORWARDED

November 12, 1982

NUMBER OF PACKAGES

1 box

**NOTE:** A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

The data listed below was obtained from the 1980 and 1981 New York Harbor circulatory survey, processed and formatted into NODC format, and transmitted to NODC on the date noted above.

- 1 of 5 Seven-track magnetic tapes containing 244 files of Plessey current data.
- 3 Seven-track magnetic tapes containing 314 files of CTD data.
- 2 Seven-track magnetic tapes containing 9 files of meteorological data.
- 1 Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

FROM: (Signature)

*H C Miskel*

RECEIVED THE ABOVE  
(Name, Division, Date)

Return receipted copy to:

Circulatory Surveys Branch  
C211  
6001 Executive Blvd.  
Room 419, WSC-1  
Rockville, MD 20852

DATE:

TO: D711

FROM: D713

SUBJECT: Error Correction in Processing of Data Set - Accession # 18200240

- 1) File Type: 005
- 2) Project Ident.: N.Y. Harbor circulatory survey of NAS
- 3) Track Nos.: TR8753-812

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: \_\_\_\_\_

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8200240/TK9753-812

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	1/24/83	<del>900</del>	1NY80	60	4500	45	132,000
QUADI/SCAN TAPE	1/24/83	<del>900</del>	011452	60	4500	45	132,000
ASSIGNED FOR PROCESS.							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

TAPE OR DISK ASSIGNMENT SHEET  
(MRL) 11/6/78  
(Rev. 11/80)

CFSSION/TRACK NO.: 8200210/TR8753-812

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	1NY80	NL	45	4500	FB	ASCII 7-tr 800BPI	132,000
DUPLICATE	011452	SL	45	4500	FB	ASCII 9-tr 1600BPI	132,000
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							



DATA DOCUMENTATION FORM

TR873-73

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.N.B. No. 41-R

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.

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2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  New York Harbor Circulatory Survey 1980 - 1981		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  OPR-B804-FE-80 OPR-B804-FE-81	
4. PLATFORM NAME(S)  NOAA Ship FERREL	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  Ship and instrumented moorings.	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		USA	USA
		FROM: MO/DAY/YR	TO: MO/DAY/YR
		8-4-80 2-1-81	10-30-80 7-31-81
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 (ONP)? (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)  Charles R. Muirhead 301/443-8501			

### 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**

- Plessey Current Data
- Plessey Conductivity, Temperature and Censity Data.
- Aanderaa Meteorological Data
- Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

**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><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b>    <input type="checkbox"/> 3/4 INCH  <input checked="" type="checkbox"/> 1/2 inch</p>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <p><input checked="" type="checkbox"/> SEVEN  <input type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p><b>10. END OF FILE MARK</b></p> <p><input checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p><b>7. PARITY</b></p> <p><input type="checkbox"/> ODD  <input checked="" type="checkbox"/> EVEN</p>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p>New York Harbor Survey U. E. Report          121 Files of 1980 Current Data          123 Files of 1981 Current Data          3 Files of 1980 MET Data          6 Files of 1981 MET Data          42 Files of 1980 CTD Data          272 Files of 1981 CTD Data</p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input checked="" type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p>4500 Characters = 2250 bytes</p>
	<p><b>13. LENGTH OF BYTES IN BITS</b></p> <p>18 bits/byte</p>

### 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 (✓)	
Plessey Current	August 1981	x		x					
Plessey CTD	August 1981	x		x					
Aanderaa MET	August 1981	x		x					

FORMAT DESCRIPTION: Aanderaa Current Meter Eulerian (005)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"005"
FILE DATE	4	6		Date of File Creation
YEAR	4	2	I2	Last two digits of year
MONTH	6	2	I2	Month "01" thru "12"
DAY	8	2	I2	Day "01" thru "31"
RECORD TYPE	10	1	A1	"1" for File Header
STATION	11	5	A5	Buoy Station Identifier
SEQUENCE	16	1	I1	File Header Number
TEXT	17	29	29A1	Optional Comments
<u>Station Header Record</u>				
IDENT	1	15	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	3I2	Degrees, Minutes, Seconds
HEMISPHERE	22	1	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	I3,2I2	Degrees, Minutes, Seconds
HEMISPHERE	30	1	A1	"W" or "E" Hemisphere
SENSOR	31	4	I4	Depth in Meters
WATER	35	4	I4	Depth in Meters
blank	39	7	7X	blank
<u>Data Record</u>				
IDENT	1	15	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	3I3	Year, Month, Day; observed
TIME	22	4	I4	Time in Hours to hundredths
DIRECTION	26	3	I3	Whole degrees from true north
VELOCITY	29	4	I4	Current; whole cm/sec
TEMP	33	3	I3	Degrees Celsius to tenths
PRESSURE	36	4	I4	Kg/m sec <sup>2</sup> to hundredths
CONDUCTIVITY	40	4	I4	Millimhos to hundredths
blank	44	2	2X	blank

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):

- ORDINARY MAIL       AIR MAIL  
 REGISTERED MAIL       EXPRESS  
 GBL (Give number) \_\_\_\_\_

TO:

Director  
NODC  
D7  
Page Building -

DATE FORWARDED

November 12, 1982

NUMBER OF PACKAGES

1 box

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

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- 3 Seven-track magnetic tapes containing 314 files of CTD data.
- 2 Seven-track magnetic tapes containing 9 files of meteorological data.
- 1 Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

FROM: (Signature)

RECEIVED THE ABOVE  
(Name, Division, Date)

Return receipted copy to:

Circulatory Surveys Branch  
C211  
6001 Executive Blvd.  
Room 419, WSC-1  
Rockville, MD 20852

DATE: 1/24/83

TO: D711

FROM: D713

SUBJECT: Error Correction in Processing of Data Set - Accession # 8200240

- 1) File Type: F005
- 2) Project Ident.: N.Y. Harbor Circulatory Survey (NOS)
- 3) Track Nos.: TR8813-73

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

1. yrs in Pressure field - deleted
2. yrs in conductivity field - deleted
3. Blank in time field - yr filled
4. Deleted 49 records in TR8829. no values except sta. no.
5. TR8847 - Temp. values of -20 were deleted.

III. Processor Name: Mary K. Lewis

TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

CONFIDENTIAL/TRACK NO.: E200240/TR 8813-73

OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	2NY80	NL	45	4500	FB	ASCII 7-tu 800 BPI.	141,500
DUPLICATE	011453	SL	45	45	FB	ASCII 9-tu. 1600 BPI	141,500
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	<del>DAIADC*MPD</del>		.T8813A/F005				36,935
			.T8830/F005				38,607
			.T8845/F005				32,902
			.T8860/F005				32,905
EDITED DISK FILE	DAIADC*MPD		75.T8813/F005				141,349
			.T8830/F005				
			.T8845/F005				
			.T8860/F005				

ACCESSION/TRACK # 8200240/TR8813-73

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORD
ORIGINATOR TAPE		<del>820</del> 2NY80	61	4500	45	141,500
QUADI/SCAN TAPE		<del>820</del> 011453	61	4500	45	141,500
ASSIGNED FOR PROCESS.						
DDF EVALUATION	2/4/83 <i>MR</i>					
QUALITY REVIEW	2/4/83 <i>MR</i>					
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK	2/8/83 <i>MR</i>	<del>ADD 1</del>				141,500
FIRST USER TAPE						
WORK DISK FILE	2/4/83 <i>MR</i>					
FINAL USER TAPE						
MULCHEK	2/8/83 <i>MR</i>					
EDITED DISK FILE						
DATA SET "FINALIZED"						

\* Split in 4 parts

DNADC \* MARY. T8813A/F005  
 . T8830/F005  
 . T8845/F005  
 . T8860/F005



DATA DOCUMENTATION FORM

TR 8751-2

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.

*(partial coverage of TR 8752)*

A. ORIGINATOR IDENTIFICATION

THIS SECTION MUST BE COMPLETED BY DONOR FOR ALL DATA TRANSMITTALS

<p>1. NAME AND ADDRESS OF INSTITUTION, LABORATORY, OR ACTIVITY WITH WHICH SUBMITTED DATA ARE ASSOCIATED</p> <p>NOAA/NOS Circulatory Surveys Branch (C211) 6001 Executive Blvd. Rockville, MD 20852</p>															
<p>2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED</p> <p>New York Harbor Circulatory Survey 1980 - 1981</p>		<p>3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT</p> <p>OPR-B804-FE-80 OPR-B804-FE-81 <i>(partial)</i></p>													
<p>4. PLATFORM NAME(S)</p> <p>NOAA Ship FERREL</p>	<p>5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)</p> <p>Ship and instrumented moorings.</p>	<p>6. PLATFORM AND OPERATOR NATIONALITY(IES)</p> <table border="1"> <thead> <tr> <th>PLATFORM</th> <th>OPERATOR</th> <th>FROM: MO, DAY, YR</th> <th>TO: MO, DAY, YR</th> </tr> </thead> <tbody> <tr> <td>USA</td> <td>USA</td> <td>8-4-80</td> <td>10-30-80</td> </tr> <tr> <td></td> <td></td> <td>2-1-81</td> <td>7-31-81</td> </tr> </tbody> </table>	PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR	USA	USA	8-4-80	10-30-80			2-1-81	7-31-81	<p>7. DATES</p>
PLATFORM	OPERATOR	FROM: MO, DAY, YR	TO: MO, DAY, YR												
USA	USA	8-4-80	10-30-80												
		2-1-81	7-31-81												
<p>8. ARE DATA PROPRIETARY?</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES</p> <p>IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR _____ MONTH _____</p>		<p>11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED.</p> <p>GENERAL AREA</p>													
<p>9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?)</p> <p><input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> PART (SPECIFY BELOW)</p>															
<p>10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED WITH TELEPHONE NUMBER (AND ADDRESS IF OTHER THAN IN ITEM-1)</p> <p>Charles R. Muirhead 301/443-8501</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**

- Plessey Current Data
- Plessey Conductivity, Temperature and Density Data.
- Aanderaa Meteorological Data
- Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

**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><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b>    <input type="checkbox"/> 3/4 INCH  <input checked="" type="checkbox"/> 1/2 inch</p>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <p><input checked="" type="checkbox"/> SEVEN  <input type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p><b>10. END OF FILE MARK</b>    <input checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p><b>7. PARITY</b></p> <p><input type="checkbox"/> ODD  <input checked="" type="checkbox"/> EVEN</p>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b>          New York Harbor Survey U. E. Report          121 Files of 1980 Current Data          123 Files of 1981 Current Data <i>No tape</i>          3 Files of 1980 MET Data          6 Files of 1981 MET Data          42 Files of 1980 CTD Data          272 Files of 1981 CTD Data <i>(partial)</i></p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input checked="" type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b>          4500 Characters = 2250 bytes</p>
	<p><b>13. LENGTH OF BYTES IN BITS</b>          18 bits/byte</p>

### 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 (✓)	
Plessey Current	August 1981	x		x					
→ Plessey CTD	August 1981	x		x					
Aanderaa MET	August 1981	x		x					

FILE TYPE 022 - SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)  
12/31/80 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF SEVEN RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

\*\*\*\*\*FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3 -RECORD \*\*\*\*\*  
\*\*\*\*\*TYPE '5' \*\*\*\*\*  
\*\*\*\*\* 12/21/81 - ADD NEW RECORD TYPES '6' AND '7' \*\*\*\*\*

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
SAMPLE INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
SAMPLE INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS .	65
DRY BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	35
DEPTH	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	46
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	55
DEPTH	XXXXX (METERS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	66
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	75
DEPTH	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	86
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	95
DEPTH	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	106
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE OOB0	
DEPTH	XXXXX (METERS TO TENTHS)	36
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	41
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE OOB0	
DEPTH	XXXXX (METERS TO TENTHS)	56
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	61
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	66
BLANKS		71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	75
	SCANNING DATA - USE CODE OOB0	
DEPTH	XXXXX (METERS TO TENTHS)	76
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	81
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	86
BLANKS		91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
	SCANNING DATA - USE CODE OOB0	
DEPTH	XXXXX (METERS TO TENTHS)	96
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	101
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	106
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	115
	SCANNING DATA - USE CODE OOB0	
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116
DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE OOB0	
DEPTH	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE OOB0	
DEPTH	XXXXX (METERS TO TENTHS)	56

TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	66
BLANKS		71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	75
DEPTH	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	86
BLANKS		91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	95
DEPTH	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	106
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116



DETAIL RECORD 4	ALWAYS '6'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	35
PRESSURE	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	46
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	55
PRESSURE	XXXXX (METERS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	66
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	75
PRESSURE	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	86
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	95
PRESSURE	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	106
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 5	ALWAYS '7'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (METERS TO TENTHS)	18
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	28
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
PRESSURE	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	55
PRESSURE	XXXXX (METERS TO TENTHS)	56

82NODC230

NOAA FORM 61-29 (12-71) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
**LETTER TRANSMITTING DATA**

REFERENCE NO.

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):  
 ORDINARY MAIL  AIR MAIL  
 REGISTERED MAIL  EXPRESS  
 GBL (Give number) \_\_\_\_\_

TO:  
Director  
NODC  
D7  
Page Building -

DATE FORWARDED  
November 12, 1982

NUMBER OF PACKAGES  
1 box

**NOTE:** A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

The data listed below was obtained from the 1980 and 1981 New York Harbor circulatory survey, processed and formatted into NODC format, and transmitted to NODC on the date noted above.

- 5 Seven-track magnetic tapes containing 244 files of Plessey current data.
- 3 Seven-track magnetic tapes containing 314 files of CTD data.**
- 2 Seven-track magnetic tapes containing 9 files of meteorological data.
- 1 Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

FROM: (Signature)  
*A C ...*

RECEIVED THE ABOVE  
(Name, Division, Date)

Return receipted copy to:  
Circulatory Surveys Branch  
C211  
6001 Executive Blvd.  
Room 419, WSC-1  
Rockville, MD 20852

## CTD SUMMARY LISTINGS

1. 2 listings for each of 3 tapes (NODNY1, NODNY2, NODNY3)
2. 1st listing is heading and first and last line of data from (per file) from final data tapes used to generate NODNY1, NODNY2, NODNY3.
3. 2nd listing was generated from final tapes - NODNY1, NODNY2, NODNY3 and includes meteorological data inserted for each CTD record set.
  - a) No values available for "Sea", "CLT", "CLA", these are indicated by "0".
  - b) For stations with no meteorological data, "0" is indicated for all parameters.

DATE:

TO: D711

FROM: D713

SUBJECT: Error Correction in Processing of Data Set - Accession 18200270

- 1) File Type: CTD (F022)
- 2) Project Ident.: N. Y. Harbor circulatory survey of NOS
- 3) Track Nos.: TR8751

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

1. Deleted upper record type ones.
2. Negative density values + values below range - records - deleted
3. illegal blank (LAT+LONG) - values corrected. (00 = 00)
4. wind-wave direction - added zeros to conform with code values (00 - 36)

III. Processor Name: M. Lewis

TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

CFSE/ION/TRACK NO.: 8200240/TR8751-2

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	NODNY1	NL	120	120	FB	ASCII 7-t 800 BPI Even Parity	4975
DUPLICATE	013079	SL	120	4800	FB	ASCII 9-t 1600 BPI	4975
REFORMATTED							
FIRST USER							
FINAL USER							
SK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE	DNODC * MARY.T8751/F022						4636
EDITED DISK FILE							

ACCESSION/TRACK # 8200240/TR 5957

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	1/24/83	<del>FBI</del>	NODNY1	2	120	120	4975
QUADI/SCAN TAPE	1/24/83	<del>FBI</del>	013079	2	4800	120	4975
ASSIGNED FOR PROCESS.							
DDF EVALUATION	3/10/83	<del>mas</del>					
QUALITY REVIEW	3/10/83						
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK	3/8/83		DNO DC * MARY. T 875 / F 022				4636
FIRST USER TAPE							
WORK DISK FILE	3/8/83						4975
FINAL USER TAPE							
FINAL MULCHEK	3/10/83						4636
EDITED DISK FILE							
DATA SET "FINALIZED"							

DATA DOCUMENTATION FORM

TR 8752

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 NOAA/NOS Circulatory Surveys Branch (C211) 6001 Executive Blvd. Rockville, MD 20852			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  New York Harbor Circulatory Survey 1980 - 1981		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  OPR-B804-FE-80 OPR-B804-FE-81 (partial)	
4. PLATFORM NAME(S) NOAA Ship FERREL	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  Ship and instrumented moorings.	6. PLATFORM AND OPERATOR NATIONALITY(IES)	
		PLATFORM	OPERATOR
		FROM: MO, DAY, YR	TO: MO, DAY, YR
		USA	USA
		8-4-80	10-30-80
		2-1-81	7-31-81
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)  Charles R. Muirhead 301/443-8501			



### 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**

- Plessey Current Data
- **Plessey Conductivity, Temperature and Density Data.**
- Aanderaa Meteorological Data
- Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

**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><b>5. RECORDING MODE</b></p> <p><input type="checkbox"/> BCD    <input type="checkbox"/> BINARY  <input checked="" type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC  <input type="checkbox"/> _____</p>	<p><b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b>    <input type="checkbox"/> 3/4 INCH  <input checked="" type="checkbox"/> 1/2 inch</p>
<p><b>6. NUMBER OF TRACKS (CHANNELS)</b></p> <p><input checked="" type="checkbox"/> SEVEN  <input type="checkbox"/> NINE  <input type="checkbox"/> _____</p>	<p><b>10. END OF FILE MARK</b></p> <p><input checked="" type="checkbox"/> OCTAL 17  <input type="checkbox"/> _____</p>
<p><b>7. PARITY</b></p> <p><input type="checkbox"/> ODD  <input checked="" type="checkbox"/> EVEN</p>	<p><b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME KEY SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b></p> <p>New York Harbor Survey U. E. Report          121 Files of 1980 Current Data          123 Files of 1981 Current Data          3 Files of 1980 MET Data          6 Files of 1981 MET Data          42 Files of 1980 CTD Data <i>first folder</i>          272 Files of 1981 CTD Data <i>(partial)</i></p>
<p><b>8. DENSITY</b></p> <p><input type="checkbox"/> 200 BPI    <input type="checkbox"/> 1600 BPI  <input type="checkbox"/> 556 BPI  <input checked="" type="checkbox"/> 800 BPI  <input type="checkbox"/> _____</p>	<p><b>12. PHYSICAL BLOCK LENGTH IN BYTES</b></p> <p>4500 Characters = 2250 bytes</p>
	<p><b>13. LENGTH OF BYTES IN BITS</b></p> <p>18 bits/byte</p>

### 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 (✓)	
Plessey Current	August 1981	x		x					
→ Plessey CTD	August 1981	x		x					
Aanderaa MET	August 1981	x		x					

FILE TYPE 022 - SALINITY/TEMPERATURE/DENSITY MEASUREMENTS (STD/CTD)  
12/31/80 VERSION

NOTES AND CORRECTIONS

THIS FORMAT IS DESIGNED TO RECORD MICROSTRUCTURE MEASUREMENTS OF SALINITY OR CONDUCTIVITY, TEMPERATURE AND SIGMA-T VALUES VS DEPTH TO SUPPORT STUDIES OF TRANSPORT AND ALTERATION OF CONTAMINANTS BY THE ENVIRONMENT.

THIS FORMAT CONSISTS OF SEVEN RECORDS WHICH INCLUDE, IN ADDITION TO FIVE ENTRIES OF TEMPERATURE, SALINITY, SIGMA-T PER RECORD, EXTENSIVE SEA SURFACE AND CLIMATOLOGY FIELDS, POSITION, DATE, TIME AND DEPTH INFORMATION AND A TEXT RECORD.

DATA CAN BE RECORDED AT DIFFERENT DEPTH INTERVALS WHICH ARE IDENTIFIED IN THE SCAN FIELD. A RECENT ADDITION TO THE FORMAT IS A RECORD WITH DISSOLVED OXYGEN AND TRANSMISSIVITY FIELDS FORMATTED SIMILAR TO THE TEMPERATURE/SALINITY DATA RECORD.

ALL RECORDS IN THIS FORMAT ARE 120 COLUMNS IN LENGTH. THIS FILE IS SORTED BY STATION NUMBER (CAST NUMBER), RECORD TYPE AND SEQUENCE NUMBER TO OBTAIN THE PROPER SEQUENCE OF RECORDS.

\*\*\*\*\*FILETYPE 022 - 3/30/79 - ADDED NEW DETAIL RECORD 3 -RECORD \*\*\*\*\*  
\*\*\*\*\*TYPE '5' \*\*\*\*\*  
\*\*\*\*\* 12/21/81 - ADD NEW RECORD TYPES '6' AND '7' \*\*\*\*\*

PARAMETER	DESCRIPTION	SC
TEXT RECORD	ALWAYS '1'	10
CAST NUMBER	FIVE-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR - ALSO INCLUDED ON RECORD TYPES 2,3 AND 4	11
TEXT	100-CHARACTER FIELD - USED FOR COMMENTS OR PERTINENT INFORMATION	16
SEQUENCE NUMBER	XXXXX - USED FOR SORTING TEXT RECORDS	116
MASTER RECORD	ALWAYS '2'	10
CAST NUMBER	SEE RECORD '1'	11
LATITUDE	DDMMXX PLUS HEMISPHERE 'N' OR 'S' - MINUTES TO HUNDREDTHS	16
LONGITUDE	DDMMXX PLUS HEMISPHERE 'E' OR 'W' - MINUTES TO HUNDREDTHS	23
CRUISE IDENTIFICATION	TEN-CHARACTER FIELD ASSIGNED BY THE ORIGINATOR	31
NUMBER OF SCANS	XXXXX - USED TO INDICATE NUMBER OF SCANS PER STATION (FIVE/RECORD)	41
DATE (GMT)	YYMMDD	46
TIME (GMT)	XXXX (HOURS AND MINUTES)	52
SAMPLE INTERVAL INDICATOR	ONE-DIGIT CODE - USE CODE 0216	56
SAMPLE INTERVAL	XXX - WHEN INDICATOR CODE=1 (EQUAL SPACED DEPTHS) - (METERS TO TENTHS)	57
BAROMETRIC PRESSURE	XXXXX (MILLIBARS TO TENTHS)	60
WET BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	65
DRY BULB TEMPERATURE	XXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO TENTHS	69
WIND DIRECTION	XX - TWO-DIGIT CODE - WMO 885/887 - DIRECTION FROM - USE CODE 0110	73
WIND SPEED	XX (WHOLE KNOTS)	75
WEATHER	ONE-DIGIT CODE - WMO 4501 - USE CODE 0108	77
SEA STATE	ONE-DIGIT CODE - WMO 3700 - USE CODE 0109	78
VISIBILITY	ONE-DIGIT CODE - WMO 4300 - USE CODE 0157	79
CLOUD TYPE	ONE-DIGIT CODE - WMO 0500 - USE CODE 0053	80
CLOUD AMOUNT	ONE-DIGIT CODE - WMO 2700 - USE CODE 0105	81
INSTRUMENT INFORMATION	TWENTY-CHARACTER FIELD FOR TYPE OF INSTRUMENT, SERIAL NUMBER, ETC	82
LOCATION NAME	SIX-CHARACTER NAME DETERMINED BY THE ORIGINATOR	102
DEPTH TO BOTTOM	XXXXX (WHOLE METERS)	108
MAXIMUM DEPTH OF CAST	XXXX (WHOLE METERS)	113
BLANKS		117

DETAIL RECORD 1	ALWAYS '3'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	18
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	35
DEPTH	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	46
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	55
DEPTH	XXXXX (METERS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	66
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	75
DEPTH	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	86
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	95
DEPTH	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	106
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 2	ALWAYS '4'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	21
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE O080	
DEPTH	XXXXX (METERS TO TENTHS)	36
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	41
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE O080	
DEPTH	XXXXX (METERS TO TENTHS)	56
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	61
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	66
BLANKS		71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	75
	SCANNING DATA - USE CODE O080	
DEPTH	XXXXX (METERS TO TENTHS)	76
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	81
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	86
BLANKS		91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	95
	SCANNING DATA - USE CODE O080	
DEPTH	XXXXX (METERS TO TENTHS)	96
DISSOLVED OXYGEN	XXXXX - ML/L TO THOUSANDTHS	101
TRANSMISSIVITY	XXXXX (PERCENT TO THOUSANDTHS)	106
BLANKS		111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	115
	SCANNING DATA - USE CODE O080	
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 3	ALWAYS '5'	10
CAST NUMBER	SEE RECORD '1'	11
DEPTH	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	21
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	35
	SCANNING DATA - USE CODE O080	
DEPTH	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE	41
	PRECEDED BY A MINUS SIGN ADJACENT TO	
	TEMPERATURE VALUE - DEG C TO THOUSANDTHS	
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF	55
	SCANNING DATA - USE CODE O080	
DEPTH	XXXXX (METERS TO TENTHS)	56

TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
CONDUCTIVITY BLANKS	XXXXX (MMHO/CM TO THOUSANDTHS)	66 71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0	75
DEPTH	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
CONDUCTIVITY BLANKS	XXXXX (MMHO/CM TO THOUSANDTHS)	86 91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0	95
DEPTH	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
CONDUCTIVITY BLANKS	XXXXX (MMHO/CM TO THOUSANDTHS)	106 111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE OOB0	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116

DETAIL RECORD 4	ALWAYS '6'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	26
SIGMA-T	XXXX - TO HUNDREDTHS	31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	35
PRESSURE	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	46
SIGMA-T	XXXX - TO HUNDREDTHS	51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	55
PRESSURE	XXXXX (METERS TO TENTHS)	56
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	61
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	66
SIGMA-T	XXXX - TO HUNDREDTHS	71
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	75
PRESSURE	XXXXX (METERS TO TENTHS)	76
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	81
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	86
SIGMA-T	XXXX - TO HUNDREDTHS	91
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	95
PRESSURE	XXXXX (METERS TO TENTHS)	96
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	101
SALINITY	XXXXX - PARTS PER THOUSAND TO THOUSANDTHS	106
SIGMA-T	XXXX - TO HUNDREDTHS	111
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE 0080	115
SEQUENCE NUMBER	XXXXX - USED FOR SORTING DATA RECORDS	116



DETAIL RECORD 5	ALWAYS '7'	10
CAST NUMBER	SEE RECORD '1'	11
PRESSURE	XXXXX (METERS TO TENTHS)	16
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	21
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	26
BLANKS		31
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	35
PRESSURE	XXXXX (METERS TO TENTHS)	36
TEMPERATURE	XXXXX NEGATIVE TEMPERATURES ARE PRECEDED BY A MINUS SIGN ADJACENT TO TEMPERATURE VALUE - DEG C TO THOUSANDTHS	41
CONDUCTIVITY	XXXXX (MMHO/CM TO THOUSANDTHS)	46
BLANKS		51
SCAN CONDITION	ONE-CHARACTER CODE INDICATING METHOD OF SCANNING DATA - USE CODE O080	55
PRESSURE	XXXXX (METERS TO TENTHS)	56

82NODC230

NOAA FORM 61-29 (112-71) U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
**LETTER TRANSMITTING DATA**

REFERENCE NO.

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):  
 ORDINARY MAIL  AIR MAIL  
 REGISTERED MAIL  EXPRESS  
 GBL (Give number) \_\_\_\_\_

TO:  
Director  
NODC  
D7  
Page Building -

DATE FORWARDED  
November 12, 1982

NUMBER OF PACKAGES  
1 box

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

The data listed below was obtained from the 1980 and 1981 New York Harbor circulatory survey, processed and formatted into NODC format, and transmitted to NODC on the date noted above.

- 5 Seven-track magnetic tapes containing 244 files of Plessey current data.
- 3 Seven-track magnetic tapes containing 314 files of CTD data. (two folders)
- 2 Seven-track magnetic tapes containing 9 files of meteorological data.
- 1 Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

FROM: (Signature)  
*H C ...*

RECEIVED THE ABOVE  
(Name, Division, Date)

Return receipted copy to:  
Circulatory Surveys Branch  
C211  
6001 Executive Blvd.  
Room 419, WSC-1  
Rockville, MD 20852

## CTD SUMMARY LISTINGS

1. 2 listings for each of 3 tapes (NODNY1, NODNY2, NODNY3)
2. 1st listing is heading and first and last line of data from (per file) from final data tapes used to generate NODNY1, NODNY2, NODNY3.
3. 2nd listing was generated from final tapes - NODNY1, NODNY2, NODNY3 and includes meteorological data inserted for each CTD record set.
  - a) No values available for "Sea", "CLT", "CLA", these are indicated by "0".
  - b) For stations with no meteorological data, "0" is indicated for all parameters.

ERROR CORRECTION DOCUMENTATION FORM

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession # 8200240

- 1) File Type: F022
- 2) Project Ident.: M.Y. Harbor Circulatory Survey
- 3) Track Nos.: TR 8752

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

1. Deleted extra record type nos
2. ~~Deleted~~ density values below range (including negative values) - Records were deleted.
3. Illegal blanks (LAT, LONG) - Values corrected.
4. Wind-wave direction - Added zeros to conform to code values.

III. Processor Name: M. LEWIS

TAPE OR DISK ASSIGNMENT SHEET  
(MRL) 11/6/78  
(Rev. 11/80)

SESSION/TRACK NO.: 8200290/TR8752

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	NODNY2	NL	120	120	FB	ASCII 7-tu 1500 BPI Even Parity	
DUPLICATE	013607 <u>15728</u>	SL	120	4800	FB	ASCII 9-tu 1600 BPI	11654 <del>11654</del>
REFORMATTED							
FIRST USER							
FINAL USER							
WORK DISK FILE	DSN					REMARKS	# RECORDS
							<del>11654</del> 11654
EDITED DISK FILE							

ACCESSION/TRACK # 8200240/TR8752

Step	Completion Date/Init.	Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/16/83 <del>820</del>	NODNY2	1	120	120	11,654
QUADI/SCAN TAPE	2/16/83 <del>820</del>	D13607 015726	1	4800	120	<del>11,654</del>
ASSIGNED FOR PROCESS.						
DDF EVALUATION	3/10/83 <del>MAK</del>					
QUALITY REVIEW	3/16/83 <del>MAK</del>					
PRELIMINARY DATA SORT						
PRELIMINARY MULCHEK	3/18/83 <del>MAK</del>	DNODC & MARY.T8752				11,654
FIRST USER TAPE						
WORK DISK FILE	3/18/83 <del>MAK</del>					11,654
FINAL USER TAPE						
FINAL MULCHEK	3/18/83 <del>MAK</del>					11,654
EDITED DISK FILE						
DATA SET "FINALIZED"						

total records = 11,654

TAPE OR DISK ASSIGNMENT SHEET  
(MRL) 11/6/78  
(Rev. 11/80)

SESSION/TRACK NO.: 8200240/TR8752

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	NODNY3	NL	120	120	FB	ASCII 7-tu. 800 BPI Even parity	
DUPLICATE	015728	SL	120	4800	FB	ASCII 9-tu 1600 BPI	
REFORMATTED							
FIRST USER							
FINAL USER							
WORK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
INDEXED DISK FILE							

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8200240/TP8752

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/16/83	<del>9120</del>	NODNY3	1	120	120	
QUADI/SCAN TAPE	2/16/83	<del>8000</del>	015728	1	4800	120	
ASSIGNED FOR PROCESS.							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							



8280240

NANSEN REF. #

319070

MULDARS TRACK #

TR8752

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE

Archives (TR8752)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

1-199

Delete Hour (000) for  
all stations

48

Change Longitude to read  
74°04'W

50, 170, 171, & 187

Change Longitude to read  
74°01'W

Muldars corrections made 5/11/84  
~~11/84~~

Parameter quality indicators were added  
to three stations

NANSEN REF. #

319070

MULDARS TRACK #

TR 8752

MONITOR: CONTACT

MARY HOLLINGER

LOCATION OF F022 SOURCE

Archives

RECORD ALL ERRORS FOUND

*Muldars corrections 7/19/84  
5/11/84*

CONSEC(S)

ERRORS FOUND

*stations w/o master records -  
delete*

*146 + 169 also*

108

*delete lines 2-60 (2<sup>ND</sup> set)*

117

*delete lines 1-49 (2<sup>ND</sup> set)*

127

*delete lines 2-75 (2<sup>ND</sup> set)*

130

*delete lines 1-72 (2<sup>ND</sup> set)  
1-22 (3<sup>RD</sup> set)*

144

*delete lines 1-67 (2<sup>ND</sup> set)*

159

*delete lines 1-75 (2<sup>ND</sup> set)*

194

*delete lines 1-42 (2<sup>ND</sup> set)*

NANSEN REF. #

319069

MULDARS TRACK #

TR 8751

MONITOR: CONTACT

Gerald W. Damon

LOCATION OF FO22 SOURCE

Archives (TR 8751)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

1-97

Same time repeated. delete time:  
for all stations C/0001/

38

Non legitimate Lomin: delete conseq 38  
Depth to bottom. delete depth to bottom

71

C/0002/1/

73

" " " " " "

88, 89

Non legitimate Lomin: delete conseqs 88 & 89  
C/0006/1/

Muldars Corrections made 11/21/83 - msh.

Note: Conseqs 38, 88, 89 were not deleted in muldars system. (msh 11/21/83)

~~XXXXXXXXXX~~

ACCESSION  
NUMBER

8200240

DDF. B:3:09

DATA DOCUMENTATION FORM

TR8874-88

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.N.B. No. 41-R2611

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 NOAA/NOS Circulatory Surveys Branch (C211) 6001 Executive Blvd. Rockville, MD 20852			
2. EXPEDITION, PROJECT, OR PROGRAM DURING WHICH DATA WERE COLLECTED  New York Harbor Circulatory Survey 1980 - 1981		3. CRUISE NUMBER(S) USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT  OPR-B804-FE-80 <u>OPR-B804-FE-81</u> <i>partial</i>	
4. PLATFORM NAME(S)  NOAA Ship FERREL	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.)  Ship and instrumented moorings.	6. PLATFORM AND OPERATOR NATIONALITY(IES)  PLATFORM OPERATOR USA USA	7. DATES  FROM: MO/DAY/YR TO: MO/DAY/YR 8-4-80 10-30-80 <u>2-1-81 7-31-81</u> <i>2 partial</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 (ONP)? (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)  Charles R. Muirhead 301/443-8501			

### 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

- Plessey Current Data
- Plessey Conductivity, Temperature and Censity Data.
- Aanderaa Meteorological Data
- Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

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 type="checkbox"/> BCD    <input type="checkbox"/> BINARY</p> <p><input checked="" type="checkbox"/> ASCII    <input type="checkbox"/> EBCDIC</p> <p><input type="checkbox"/> _____</p>	<p>9. LENGTH OF INTER-RECORD GAP (IF KNOWN): <input type="checkbox"/> 3/4 INCH  <input checked="" type="checkbox"/> 1/2 inch</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>New York Harbor Survey U. E. Report</p> <p>121 Files of 1980 Current Data</p> <p><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">123 Files of 1981 Current Data</span> <i>partial</i></p> <p>3 Files of 1980 MET Data</p> <p>6 Files of 1981 MET Data</p> <p>42 Files of 1980 CTD Data</p> <p>272 Files of 1981 CTD Data</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>4500 Characters = 2250 bytes</p> <p>13. LENGTH OF BYTES IN BITS</p> <p>18 bits/byte</p>

### 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 (✓)	
Plessey Current	August 1981	x		x					
Plessey CTD	August 1981	x		x					
Aanderaa MET	August 1981	x		x					

FORMAT DESCRIPTION: Aanderaa Current Meter Eulerian (005)

Field Name	Position from - 1 measured in Bytes	Length In Bytes	Code	Use and Meaning
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"005"
FILE DATE	4	6		Date of File Creation
YEAR	4	2	I2	Last two digits of year
MONTH	6	2	I2	Month "01" thru "12"
DAY	8	2	I2	Day "01" thru "31"
RECORD TYPE	10	1	A1	"1" for File Header
STATION	11	5	A5	Buoy Station Identifier
SEQUENCE	16	1	I1	File Header Number
TEXT	17	29	29A1	Optional Comments
<u>Station Header Record</u>				
IDENT	1	15	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "2"
LATITUDE	16	6	3I2	Degrees, Minutes, Seconds
HEMISPHERE	22	1	A1	"N" or "S" Hemisphere
LONGITUDE	23	7	I3,2I2	Degrees, Minutes, Seconds
HEMISPHERE	30	1	A1	"W" or "E" Hemisphere
SENSOR	31	4	I4	Depth in Meters
WATER	35	4	I4	Depth in Meters
blank	39	7	7X	blank
<u>Data Record</u>				
IDENT	1	15	A3,3I2,A1,A5	Same as "File Header Record" except Record Type is "3"
DATE	16	6	3I3	Year, Month, Day; observed
TIME	22	4	I4	Time in Hours to hundredths
DIRECTION	26	3	I3	Whole degrees from true north
VELOCITY	29	4	I4	Current; whole cm/sec
TEMP	33	3	I3	Degrees Celsius to tenths
PRESSURE	36	4	I4	Kg/m sec <sup>2</sup> to hundredths
CONDUCTIVITY	40	4	I4	Millimhos to hundredths
blank	44	2	2X	blank

LETTER TRANSMITTING DATA

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY (Check):

- ORDINARY MAIL       AIR MAIL  
 REGISTERED MAIL       EXPRESS  
 GBL (Give number) \_\_\_\_\_

TO:

Director  
NODC  
D7  
Page Building -

DATE FORWARDED

November 12, 1982

NUMBER OF PACKAGES

1 box

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

The data listed below was obtained from the 1980 and 1981 New York Harbor circulatory survey, processed and formatted into NODC format, and transmitted to NODC on the date noted above.

- 108 5 Seven-track magnetic tapes containing 244 files of Plessey current data.
- 3 Seven-track magnetic tapes containing 314 files of CTD data.
- 2 Seven-track magnetic tapes containing 9 files of meteorological data.
- 1 Report on "Uncertainty Estimates for Oceanographic and Meteorological Measurements - New York Harbor Tide and Tidal Current Survey."

FROM: (Signature)

RECEIVED THE ABOVE  
(Name, Division, Date)

Return receipted copy to:

Circulatory Surveys Branch  
C211  
6001 Executive Blvd.  
Room 419, WSC-1  
Rockville, MD 20852



ERROR CORRECTION DOCUMENTATION FORM

DATE:

TO: OC12

FROM: OC13

SUBJECT: Error Correction in Processing of Data Set - Accession 18206240

- 1) File Type: F005
- 2) Project Ident.: N.Y. Harbor Circulatory Survey
- 3) Track Nos.: TR8874-88

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: \_\_\_\_\_

DATA SET ROUTE SHEET

ACCESSION/TRACK # 8200240/TR8874-88

Step	Completion Date/Init.		Tape # or DSN	# of Files	BLKSIZE	LRECL	# RECORDS
ORIGINATOR TAPE	2/22/83	<del>81NY80</del>	81NY80	15	4500	45	
QUADI/SCAN TAPE	2/22/83	<del>81NY80</del>	011682	15	4500	45	
ASSIGNED FOR PROCESS.							
DDF EVALUATION							
QUALITY REVIEW							
PRELIMINARY DATA SORT							
PRELIMINARY MULCHEK							
FIRST USER TAPE							
WORK DISK FILE							
FINAL USER TAPE							
FINAL MULCHEK							
EDITED DISK FILE							
DATA SET "FINALIZED"							

TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

CONF/SESSION/TRACK NO.: F200240 / TR ~~8571-88~~ <sup>8571-88</sup>

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	81NY80	NL	45	4500	FB	ASCII 7-t. 800 BPI	
DUPLICATE	11682	SL	45	4500	FB	ASCII 9-t. 1600 BPI	
REFORMATTED							
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

## Password:

accNo	flea	refNo	proj	inst	ship	startDate	cruise	catId
8200240	F005	TR8753	9999	31J4	317F	1980/08/15	B804-FE-	318152
8200240	F005	TR8754	9999	31J4	317F	1980/08/04	B804-FE-	318153
8200240	F005	TR8755	9999	31J4	317F	1980/08/04	B804-FE-	318154
8200240	F005	TR8756	9999	31J4	317F	1980/08/18	B804-FE-	318155
8200240	F005	TR8757	9999	31J4	317F	1980/08/04	B804-FE-	318156
8200240	F005	TR8758	9999	31J4	317F	1980/08/04	B804-FE-	318157
8200240	F005	TR8759	9999	31J4	317F	1980/08/04	B804-FE-	318158
8200240	F005	TR8760	9999	31J4	317F	1980/08/04	B804-FE-	318159
8200240	F005	TR8761	9999	31J4	317F	1980/08/04	B804-FE-	318160
8200240	F005	TR8762	9999	31J4	317F	1980/08/04	B804-FE-	318161
8200240	F005	TR8763	9999	31J4	317F	1980/08/06	B804-FE-	318162
8200240	F005	TR8764	9999	31J4	317F	1980/08/06	B804-FE-	318163
8200240	F005	TR8765	9999	31J4	317F	1980/08/06	B804-FE-	318164
8200240	F005	TR8766	9999	31J4	317F	1980/08/21	B804-FE-	318165
8200240	F005	TR8767	9999	31J4	317F	1980/08/21	B804-FE-	318166
8200240	F005	TR8768	9999	31J4	317F	1980/08/21	B804-FE-	318167
8200240	F005	TR8769	9999	31J4	317F	1980/08/21	B804-FE-	318168
8200240	F005	TR8770	9999	31J4	317F	1980/08/23	B804-FE-	318169
8200240	F005	TR8771	9999	31J4	317F	1980/08/20	B804-FE-	318170
8200240	F005	TR8772	9999	31J4	317F	1980/08/20	B804-FE-	318171
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8200240	F005	TR8774	9999	31J4	317F	1980/08/22	B804-FE-	318173
8200240	F005	TR8775	9999	31J4	317F	1980/08/22	B804-FE-	318174
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8200240	F005	TR8777	9999	31J4	317F	1980/08/20	B804-FE-	318176
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8200240	F005	TR8789	9999	31J4	317F	1980/09/04	B804-FE-	318188
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8200240	F005	TR8792	9999	31J4	317F	1980/09/15	B804-FE-	318191
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8200240	F005	TR8872	9999	31J4	317F	1980/09/23	B804-FE-	318271
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8200240	F005	TR8915	9999	31J4	317F	1981/03/22	B804-FE-	318314
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8200240	F005	TR8925	9999	31J4	317F	1981/04/07	B804-FE-	318324
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8200240	F005	TR8929	9999	31J4	317F	1981/04/10	B804-FE-	318328

8200240	F005	TR8930	9999	31J4	317F	1981/04/10	B804-FE-	318329
8200240	F005	TR8931	9999	31J4	317F	1981/04/10	B804-FE-	318330
8200240	F005	TR8932	9999	31J4	317F	1981/04/12	B804-FE-	318331
8200240	F005	TR8933	9999	31J4	317F	1981/04/15	B804-FE-	318332
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8200240	F005	TR8939	9999	31J4	317F	1981/04/12	B804-FE-	318338
8200240	F005	TR8940	9999	31J4	317F	1981/04/10	B804-FE-	318339
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8200240	F005	TR8943	9999	31J4	317F	1981/05/06	B804-FE-	318342
8200240	F005	TR8944	9999	31J4	317F	1981/04/26	B804-FE-	318343
8200240	F005	TR8945	9999	31J4	317F	1981/04/26	B804-FE-	318344
8200240	F005	TR8946	9999	31J4	317F	1981/04/28	B804-FE-	318345
8200240	F005	TR8947	9999	31J4	317F	1981/04/28	B804-FE-	318346
8200240	F005	TR8948	9999	31J4	317F	1981/04/29	B804-FE-	318347
8200240	F005	TR8949	9999	31J4	317F	1981/05/12	B804-FE-	318348
8200240	F005	TR8950	9999	31J4	317F	1981/05/12	B804-FE-	318349
8200240	F005	TR8951	9999	31J4	317F	1981/05/12	B804-FE-	318350
8200240	F005	TR8952	9999	31J4	317F	1981/05/12	B804-FE-	318351
8200240	F005	TR8953	9999	31J4	317F	1981/05/12	B804-FE-	318352
8200240	F005	TR8954	9999	31J4	317F	1981/05/12	B804-FE-	318353
8200240	F005	TR8955	9999	31J4	317F	1981/05/12	B804-FE-	318354
8200240	F005	TR8956	9999	31J4	317F	1981/05/13	B804-FE-	318355
8200240	F005	TR8957	9999	31J4	317F	1981/05/17	B804-FE-	318356
8200240	F005	TR8958	9999	31J4	317F	1981/05/13	B804-FE-	318357
8200240	F005	TR8959	9999	31J4	317F	1981/05/13	B804-FE-	318358
8200240	F005	TR8960	9999	31J4	317F	1981/05/13	B804-FE-	318359
8200240	F005	TR8961	9999	31J4	317F	1981/05/13	B804-FE-	318360
8200240	F005	TR8962	9999	31J4	317F	1981/05/20	B804-FE-	318361
8200240	F005	TR8963	9999	31J4	317F	1981/05/27	B804-FE-	318362
8200240	F005	TR8964	9999	31J4	317F	1981/05/27	B804-FE-	318363
8200240	F005	TR8965	9999	31J4	317F	1981/05/28	B804-FE-	318364
8200240	F005	TR8966	9999	31J4	317F	1981/05/28	B804-FE-	318365
8200240	F005	TR8967	9999	31J4	317F	1981/05/28	B804-FE-	318366
8200240	F005	TR8968	9999	31J4	317F	1981/06/07	B804-FE-	318367
8200240	F005	TR8969	9999	31J4	317F	1981/05/27	B804-FE-	318368
8200240	F005	TR8970	9999	31J4	317F	1981/05/28	B804-FE-	318369
8200240	F005	TR8971	9999	31J4	317F	1981/05/30	B804-FE-	318370
8200240	F005	TR8972	9999	31J4	317F	1981/05/30	B804-FE-	318371
8200240	F005	TR8973	9999	31J4	317F	1981/05/29	B804-FE-	318372
8200240	F005	TR8974	9999	31J4	317F	1981/06/08	B804-FE-	318373
8200240	F005	TR8975	9999	31J4	317F	1981/05/27	B804-FE-	318374
8200240	F005	TR8976	9999	31J4	317F	1981/05/27	B804-FE-	318375
8200240	F005	TR8977	9999	31J4	317F	1981/06/08	B804-FE-	318376
8200240	F005	TR8978	9999	31J4	317F	1981/05/29	B804-FE-	318377
8200240	F005	TR8979	9999	31J4	317F	1981/05/29	B804-FE-	318378
8200240	F005	TR8980	9999	31J4	317F	1981/05/29	B804-FE-	318379
8200240	F005	TR8981	9999	31J4	317F	1981/05/25	B804-FE-	318380
8200240	F005	TR8982	9999	31J4	317F	1981/05/28	B804-FE-	318381
8200240	F005	TR8983	9999	31J4	317F	1981/05/28	B804-FE-	318382
8200240	F005	TR8984	9999	31J4	317F	1981/05/28	B804-FE-	318383
8200240	F005	TR8985	9999	31J4	317F	1981/06/13	B804-FE-	318384
8200240	F005	TR8986	9999	31J4	317F	1981/06/23	B804-FE-	318385
8200240	F005	TR8987	9999	31J4	317F	1981/06/23	B804-FE-	318386
8200240	F005	TR8988	9999	31J4	317F	1981/06/15	B804-FE-	318387
8200240	F005	TR8989	9999	31J4	317F	1981/06/15	B804-FE-	318388

8200240	F005	TR8990	9999	31J4	317F	1981/06/15	B804-FE-	318389
8200240	F005	TR8991	9999	31J4	317F	1981/06/15	B804-FE-	318390
8200240	F005	TR8992	9999	31J4	317F	1981/06/16	B804-FE-	318391
8200240	F005	TR8993	9999	31J4	317F	1981/06/14	B804-FE-	318392
8200240	F005	TR8994	9999	31J4	317F	1981/06/15	B804-FE-	318393
8200240	F005	TR8995	9999	31J4	317F	1981/06/15	B804-FE-	318394
8200240	F005	TR8996	9999	31J4	317F	1981/06/14	B804-FE-	318395
8200240	F005	TR8997	9999	31J4	317F	1981/06/13	B804-FE-	318396
8200240	F005	TR8998	9999	31J4	317F	1981/06/13	B804-FE-	318397
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8200240	F005	TR9000	9999	31J4	317F	1981/06/14	B804-FE-	318399
8200240	F005	TR9001	9999	31J4	317F	1981/06/14	B804-FE-	318400
8200240	F005	TR9002	9999	31J4	317F	1981/06/22	B804-FE-	318401
8200240	F005	TR9003	9999	31J4	317F	1981/06/13	B804-FE-	318402
8200240	F005	TR9004	9999	31J4	317F	1981/06/13	B804-FE-	318403
8200240	F005	TR9005	9999	31J4	317F	1981/04/28	B804-FE-	318404
8200240	F005	TR9006	9999	31J4	317F	1981/04/28	B804-FE-	318405
8200240	F005	TR9007	9999	31J4	317F	1981/04/26	B804-FE-	318406
8200240	F005	TR9008	9999	31J4	317F	1981/04/27	B804-FE-	318407
8200240	F005	TR9009	9999	31J4	317F	1981/04/26	B804-FE-	318408
8200240	F005	TR9010	9999	31J4	317F	1981/04/26	B804-FE-	318409
8200240	F005	TR9011	9999	31J4	317F	1981/04/26	B804-FE-	318410
8200240	F022	TR8751	9999	31J4	3182	1980/12/05	B804-FE-	318148
8200240	C022	319069	9999	31J4	3182	1980/12/05	TR8751	318149
8200240	F022	TR8752	9999	31J4	3182	1981/06/06	B804-FE-	318150
8200240	C022	319070	9999	31J4	3182	1981/06/06	TR8752	318151
8200240	F191	TR9084	9999	31J4	318L	1980/12/05	B804-FE-	318411
8200240	F191	TR9085	9999	31J4	318L	1981/02/01	B804-FE-	318412

(265 rows affected)



Password:

accNo	fleA	refNo	ship	staCnt	recCnt	startDate	endDate
8200240	F005	TR8753	317F	1	879	80/08/15	80/08/15
8200240	F005	TR8754	317F	1	2467	80/08/04	80/08/04
8200240	F005	TR8755	317F	1	2487	80/08/04	80/08/04
8200240	F005	TR8756	317F	1	425	80/08/18	80/08/18
8200240	F005	TR8757	317F	1	2451	80/08/04	80/08/04
8200240	F005	TR8758	317F	1	2439	80/08/04	80/08/04
8200240	F005	TR8759	317F	1	2433	80/08/04	80/08/04
8200240	F005	TR8760	317F	1	2429	80/08/04	80/08/04
8200240	F005	TR8761	317F	1	2430	80/08/04	80/08/04
8200240	F005	TR8762	317F	1	2422	80/08/04	80/08/04
8200240	F005	TR8763	317F	1	1993	80/08/06	80/08/06
8200240	F005	TR8764	317F	1	1994	80/08/06	80/08/06
8200240	F005	TR8765	317F	1	2105	80/08/06	80/08/06
8200240	F005	TR8766	317F	2	1744	80/08/21	80/09/01
8200240	F005	TR8767	317F	2	1745	80/08/21	80/09/01
8200240	F005	TR8768	317F	2	2314	80/08/21	80/09/01
8200240	F005	TR8769	317F	2	2321	80/08/21	80/09/01
8200240	F005	TR8770	317F	2	1872	80/08/23	80/09/01
8200240	F005	TR8771	317F	2	2284	80/08/20	80/09/01
8200240	F005	TR8772	317F	1	1349	80/08/20	80/08/20
8200240	F005	TR8773	317F	2	2187	80/08/22	80/09/01
8200240	F005	TR8774	317F	2	2189	80/08/22	80/09/01
8200240	F005	TR8775	317F	2	1553	80/08/22	80/09/01
8200240	F005	TR8776	317F	1	636	80/09/02	80/09/02
8200240	F005	TR8777	317F	2	2194	80/08/20	80/09/01
8200240	F005	TR8778	317F	1	2119	80/09/11	80/09/11
8200240	F005	TR8779	317F	1	1271	80/09/06	80/09/06
8200240	F005	TR8780	317F	1	1716	80/09/15	80/09/15
8200240	F005	TR8781	317F	1	2177	80/09/15	80/09/15
8200240	F005	TR8782	317F	1	2869	80/09/02	80/09/02
8200240	F005	TR8783	317F	1	2787	80/09/02	80/09/02
8200240	F005	TR8784	317F	1	1961	80/09/06	80/09/06
8200240	F005	TR8785	317F	1	2591	80/09/06	80/09/06
8200240	F005	TR8786	317F	1	2451	80/09/05	80/09/05
8200240	F005	TR8787	317F	1	2451	80/09/05	80/09/05
8200240	F005	TR8788	317F	1	1755	80/09/05	80/09/05
8200240	F005	TR8789	317F	1	2628	80/09/04	80/09/04
8200240	F005	TR8790	317F	1	2628	80/09/04	80/09/04
8200240	F005	TR8791	317F	1	2568	80/09/06	80/09/06
8200240	F005	TR8792	317F	1	805	80/09/15	80/09/15
8200240	F005	TR8793	317F	1	166	80/09/15	80/09/15
8200240	F005	TR8794	317F	1	3021	80/09/04	80/09/04
8200240	F005	TR8795	317F	2	2459	80/09/22	80/10/01
8200240	F005	TR8796	317F	2	1400	80/09/29	80/10/01
8200240	F005	TR8797	317F	2	2448	80/09/23	80/10/01
8200240	F005	TR8798	317F	2	2451	80/09/23	80/10/01
8200240	F005	TR8799	317F	2	2434	80/09/24	80/10/01
8200240	F005	TR8800	317F	2	2436	80/09/24	80/10/01
8200240	F005	TR8801	317F	2	2165	80/09/26	80/10/01
8200240	F005	TR8802	317F	2	2164	80/09/26	80/10/01
8200240	F005	TR8803	317F	2	2444	80/09/22	80/10/01
8200240	F005	TR8804	317F	2	2449	80/09/22	80/10/01
8200240	F005	TR8805	317F	1	2285	80/10/01	80/10/01
8200240	F005	TR8806	317F	2	4052	80/09/23	80/10/01
8200240	F005	TR8807	317F	2	4052	80/09/23	80/10/01
8200240	F005	TR8808	317F	1	2594	80/10/03	80/10/03

8200240	F005	TR8809	317F	2	4776	80/09/04	80/10/01
8200240	F005	TR8810	317F	1	2017	80/10/10	80/10/10
8200240	F005	TR8811	317F	1	1695	80/10/10	80/10/10
8200240	F005	TR8812	317F	1	2303	80/10/10	80/10/10
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8200240	F005	TR8815	317F	1	2737	80/10/09	80/10/09
8200240	F005	TR8816	317F	1	2466	80/10/11	80/10/11
8200240	F005	TR8817	317F	1	2317	80/10/15	80/10/15
8200240	F005	TR8818	317F	1	2318	80/10/15	80/10/15
8200240	F005	TR8819	317F	1	2331	80/10/15	80/10/15
8200240	F005	TR8820	317F	1	2303	80/10/15	80/10/15
8200240	F005	TR8821	317F	2	3285	80/10/15	80/11/01
8200240	F005	TR8822	317F	1	1514	80/10/15	80/10/15
8200240	F005	TR8823	317F	1	1715	80/11/07	80/11/07
8200240	F005	TR8824	317F	1	1712	80/11/07	80/11/07
8200240	F005	TR8825	317F	2	2165	80/10/31	80/11/01
8200240	F005	TR8826	317F	2	2167	80/10/31	80/11/01
8200240	F005	TR8827	317F	2	2166	80/10/31	80/11/01
8200240	F005	TR8828	317F	2	1142	80/10/27	80/11/01
8200240	F005	TR8829	317F	2	3260	80/11/04	80/11/19
8200240	F005	TR8830	317F	1	2172	80/11/04	80/11/04
8200240	F005	TR8831	317F	2	3741	80/10/24	80/11/01
8200240	F005	TR8832	317F	2	3741	80/10/24	80/11/01
8200240	F005	TR8833	317F	2	2299	80/10/29	80/11/01
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8200240	F005	TR8835	317F	2	2589	80/10/27	80/11/01
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8200240	F005	TR8838	317F	2	2601	80/10/28	80/11/01
8200240	F005	TR8839	317F	2	2768	80/10/31	80/11/01
8200240	F005	TR8840	317F	1	2163	80/11/04	80/11/04
8200240	F005	TR8841	317F	2	2166	80/10/31	80/11/01
8200240	F005	TR8842	317F	2	2167	80/10/31	80/11/01
8200240	F005	TR8843	317F	2	2556	80/10/28	80/11/01
8200240	F005	TR8844	317F	1	2287	80/09/11	80/09/11
8200240	F005	TR8845	317F	2	2594	80/08/21	80/09/01
8200240	F005	TR8846	317F	2	1743	80/08/21	80/09/01
8200240	F005	TR8847	317F	2	2392	80/08/20	80/09/01
8200240	F005	TR8848	317F	2	2392	80/08/20	80/09/01
8200240	F005	TR8849	317F	2	2284	80/08/20	80/09/01
8200240	F005	TR8850	317F	2	2184	80/08/22	80/09/01
8200240	F005	TR8851	317F	1	2451	80/09/05	80/09/05
8200240	F005	TR8852	317F	1	2137	80/10/15	80/10/15
8200240	F005	TR8853	317F	1	2307	80/10/15	80/10/15
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8200240	F005	TR8856	317F	1	851	80/10/09	80/10/09
8200240	F005	TR8857	317F	1	2303	80/10/10	80/10/10
8200240	F005	TR8858	317F	1	2160	80/10/11	80/10/11
8200240	F005	TR8859	317F	1	2062	80/10/11	80/10/11
8200240	F005	TR8860	317F	1	2299	80/10/10	80/10/10
8200240	F005	TR8861	317F	1	2300	80/10/10	80/10/10
8200240	F005	TR8862	317F	1	2479	80/10/10	80/10/10
8200240	F005	TR8863	317F	1	2481	80/10/10	80/10/10
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8200240	F005	TR8866	317F	1	2478	80/08/04	80/08/04
8200240	F005	TR8867	317F	1	2466	80/08/04	80/08/04
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8200240	F005	TR8874	317F	1	862	81/05/13	81/05/13
8200240	F005	TR8875	317F	1	2306	81/05/14	81/05/14
8200240	F005	TR8876	317F	1	1426	81/05/20	81/05/20
8200240	F005	TR8877	317F	2	2448	81/03/24	81/04/01
8200240	F005	TR8878	317F	1	2750	81/04/08	81/04/08
8200240	F005	TR8879	317F	1	2260	81/04/10	81/04/10
8200240	F005	TR8880	317F	1	2175	81/04/12	81/04/12
8200240	F005	TR8881	317F	2	2465	81/05/27	81/06/01
8200240	F005	TR8882	317F	2	2600	80/10/28	80/11/01
8200240	F005	TR8883	317F	2	2290	80/09/24	80/10/01
8200240	F005	TR8884	317F	2	2172	81/03/24	81/04/01
8200240	F005	TR8885	317F	1	2175	81/04/12	81/04/12
8200240	F005	TR8886	317F	2	2600	80/10/28	80/11/01
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8200240	F005	TR8888	317F	1	2306	81/03/08	81/03/08
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8200240	F005	TR8893	317F	0	2430	81/03/08	81/03/25
8200240	F005	TR8894	317F	0	2430	81/03/08	81/03/25
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8200240	F005	TR8897	317F	0	2415	81/03/08	81/03/25
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8200240	F005	TR8900	317F	0	1903	81/03/09	81/03/22
8200240	F005	TR8901	317F	0	2330	81/03/09	81/03/25
8200240	F005	TR8902	317F	0	2331	81/03/09	81/03/25
8200240	F005	TR8903	317F	0	2330	81/03/09	81/03/25
8200240	F005	TR8904	317F	0	2330	81/03/09	81/03/25
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8200240	F005	TR8907	317F	0	1007	81/03/24	81/03/31
8200240	F005	TR8908	317F	0	1161	81/03/31	81/04/08
8200240	F005	TR8909	317F	0	2169	81/03/24	81/04/08
8200240	F005	TR8910	317F	0	2592	81/03/25	81/04/12
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8200240	F005	TR8912	317F	0	1007	81/03/25	81/04/01
8200240	F005	TR8913	317F	0	1702	81/03/26	81/04/07
8200240	F005	TR8914	317F	0	2713	81/03/22	81/04/10
8200240	F005	TR8915	317F	0	2184	81/03/22	81/04/06
8200240	F005	TR8916	317F	0	2755	81/03/22	81/04/10
8200240	F005	TR8917	317F	0	1990	81/03/26	81/04/09
8200240	F005	TR8918	317F	0	1992	81/03/26	81/04/09
8200240	F005	TR8919	317F	0	2163	81/03/26	81/04/10
8200240	F005	TR8920	317F	0	1202	81/03/26	81/04/04
8200240	F005	TR8921	317F	0	2424	81/03/24	81/04/10
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8200240	F005	TR8925	317F	0	2907	81/04/07	81/04/27
8200240	F005	TR8926	317F	0	1869	81/04/07	81/04/20
8200240	F005	TR8927	317F	0	844	81/04/20	81/04/26
8200240	F005	TR8928	317F	0	2725	81/04/07	81/04/26

8200240	F005	TR8929	317F	0	2307	81/04/10	81/04/26
8200240	F005	TR8930	317F	0	2308	81/04/10	81/04/26
8200240	F005	TR8931	317F	0	2454	81/04/10	81/04/27
8200240	F005	TR8932	317F	0	459	81/04/12	81/04/15
8200240	F005	TR8933	317F	0	1704	81/04/15	81/04/27
8200240	F005	TR8934	317F	0	2171	81/04/12	81/04/27
8200240	F005	TR8935	317F	0	2335	81/04/10	81/04/26
8200240	F005	TR8936	317F	0	2871	81/04/09	81/04/29
8200240	F005	TR8937	317F	0	2868	81/04/09	81/04/29
8200240	F005	TR8938	317F	0	2162	81/04/12	81/04/27
8200240	F005	TR8939	317F	0	2162	81/04/12	81/04/27
8200240	F005	TR8940	317F	0	2362	81/04/10	81/04/26
8200240	F005	TR8941	317F	0	2574	81/04/26	81/05/14
8200240	F005	TR8942	317F	0	2299	81/04/28	81/05/14
8200240	F005	TR8943	317F	0	884	81/05/06	81/05/12
8200240	F005	TR8944	317F	0	2334	81/04/26	81/05/12
8200240	F005	TR8945	317F	0	2559	81/04/26	81/05/14
8200240	F005	TR8946	317F	0	83	81/04/28	81/04/29
8200240	F005	TR8947	317F	0	84	81/04/28	81/04/29
8200240	F005	TR8948	317F	0	1960	81/04/29	81/05/12
8200240	F005	TR8949	317F	0	2160	81/05/12	81/05/27
8200240	F005	TR8950	317F	0	2162	81/05/12	81/05/27
8200240	F005	TR8951	317F	0	4449	81/05/12	81/06/14
8200240	F005	TR8952	317F	0	2277	81/05/12	81/05/28
8200240	F005	TR8953	317F	0	2296	81/05/12	81/05/28
8200240	F005	TR8954	317F	0	2298	81/05/12	81/05/28
8200240	F005	TR8955	317F	0	2154	81/05/12	81/05/27
8200240	F005	TR8956	317F	0	4016	81/05/13	81/06/10
8200240	F005	TR8957	317F	0	3295	81/05/17	81/06/09
8200240	F005	TR8958	317F	0	170	81/05/13	81/05/14
8200240	F005	TR8959	317F	0	858	81/05/13	81/05/19
8200240	F005	TR8960	317F	0	2305	81/05/13	81/05/29
8200240	F005	TR8961	317F	0	2308	81/05/13	81/05/29
8200240	F005	TR8962	317F	0	1422	81/05/20	81/05/30
8200240	F005	TR8963	317F	0	2454	81/05/27	81/06/13
8200240	F005	TR8964	317F	0	2455	81/05/27	81/06/13
8200240	F005	TR8965	317F	0	2580	81/05/28	81/06/15
8200240	F005	TR8966	317F	0	1433	81/05/28	81/06/07
8200240	F005	TR8967	317F	0	1434	81/05/28	81/06/07
8200240	F005	TR8968	317F	0	1144	81/06/07	81/06/15
8200240	F005	TR8969	317F	0	2584	81/05/27	81/06/14
8200240	F005	TR8970	317F	0	2423	81/05/28	81/06/14
8200240	F005	TR8971	317F	0	2147	81/05/30	81/06/14
8200240	F005	TR8972	317F	0	2148	81/05/30	81/06/14
8200240	F005	TR8973	317F	0	2289	81/05/29	81/06/14
8200240	F005	TR8974	317F	0	836	81/06/08	81/06/14
8200240	F005	TR8975	317F	0	2458	81/05/27	81/06/13
8200240	F005	TR8976	317F	0	1748	81/05/27	81/06/08
8200240	F005	TR8977	317F	0	710	81/06/08	81/06/13
8200240	F005	TR8978	317F	0	2286	81/05/29	81/06/14
8200240	F005	TR8979	317F	0	2285	81/05/29	81/06/14
8200240	F005	TR8980	317F	0	2286	81/05/29	81/06/14
8200240	F005	TR8981	317F	0	2865	81/05/25	81/06/14
8200240	F005	TR8982	317F	0	2286	81/05/28	81/06/13
8200240	F005	TR8983	317F	0	2286	81/05/28	81/06/13
8200240	F005	TR8984	317F	0	2282	81/05/28	81/06/13
8200240	F005	TR8985	317F	0	2329	81/06/13	81/06/29
8200240	F005	TR8986	317F	0	1117	81/06/23	81/07/11
8200240	F005	TR8987	317F	0	1116	81/06/23	81/07/11
8200240	F005	TR8988	317F	0	1156	81/06/15	81/06/23

8200240	F005	TR8989	317F	0	1157	81/06/15	81/06/23
8200240	F005	TR8990	317F	0	2280	81/06/15	81/07/11
8200240	F005	TR8991	317F	0	2281	81/06/15	81/07/11
8200240	F005	TR8992	317F	0	2166	81/06/16	81/07/11
8200240	F005	TR8993	317F	0	2174	81/06/14	81/06/29
8200240	F005	TR8994	317F	0	2281	81/06/15	81/07/11
8200240	F005	TR8995	317F	0	2278	81/06/15	81/07/11
8200240	F005	TR8996	317F	0	2176	81/06/14	81/06/29
8200240	F005	TR8997	317F	0	2297	81/06/13	81/06/29
8200240	F005	TR8998	317F	0	2296	81/06/13	81/06/29
8200240	F005	TR8999	317F	0	2181	81/06/14	81/06/29
8200240	F005	TR9000	317F	0	2181	81/06/14	81/06/29
8200240	F005	TR9001	317F	0	1190	81/06/14	81/06/22
8200240	F005	TR9002	317F	0	988	81/06/22	81/06/29
8200240	F005	TR9003	317F	0	2285	81/06/13	81/06/29
8200240	F005	TR9004	317F	0	2285	81/06/13	81/06/29
8200240	F005	TR9005	317F	0	2572	81/04/28	81/05/14
8200240	F005	TR9006	317F	0	2299	81/04/28	81/05/14
8200240	F005	TR9007	317F	0	2470	81/04/26	81/05/13
8200240	F005	TR9008	317F	0	2252	81/04/27	81/05/13
8200240	F005	TR9009	317F	0	2297	81/04/26	81/05/12
8200240	F005	TR9010	317F	0	2296	81/04/26	81/05/12
8200240	F005	TR9011	317F	0	2470	81/04/26	81/05/13
8200240	F022	TR8751	3182	86	3787	80/12/05	81/06/04
8200240	C022	319069	3182	86	86	80/12/05	81/06/04
8200240	F022	TR8752	3182	272	11115	81/06/06	81/08/14
8200240	C022	319070	3182	272	199	81/06/06	81/08/14
8200240	F191	TR9084	318L	1	NULL	80/12/05	80/12/31
8200240	F191	TR9085	318L	2	NULL	81/02/01	81/07/31

(265 rows affected)