

TR2805 - TR2809

ACCESSION  
NUMBER

78.0053

## DATA DOCUMENTATION FORM

TR2805 - TR2809

F004

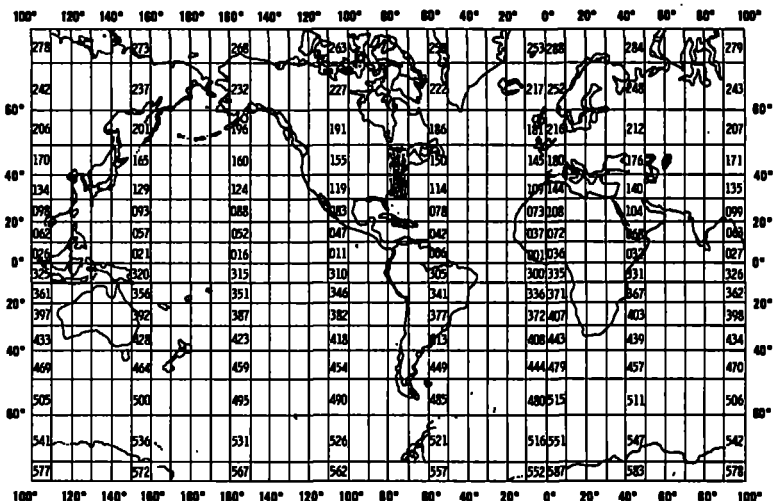
DDF A-2:11

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

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 AOML/PhOL 15 Rickenbacker Causeway Miami, FL 33149			
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 XWCC-12, 13, 14, 15, 16	
4. PLATFORM NAME(S) G.B. KELEZ	5. PLATFORM TYPE(S) (E.G., SHIP, BUOY, ETC.) SHIP	6. PLATFORM AND OPERATOR NATIONALITY(IES) PLATFORM OPERATOR R/V NOAA	7. DATES FROM: MO/PAY/YR TO: MO/DAY/YR 4/28/77 10/19/77
8. ARE DATA PROPRIETARY? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, WHEN CAN THEY BE RELEASED FOR GENERAL USE? YEAR MONTH		11. PLEASE DARKEN ALL MARSDEN SQUARES IN WHICH ANY DATA CONTAINED IN YOUR SUBMISSION WERE COLLECTED. GENERAL AREA	
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)? (I.E., SHOULD THEY BE INCLUDED IN WORLD DATA CENTERS HOLDINGS FOR INTERNATIONAL EXCHANGE?) <input type="checkbox"/> NO <input checked="" 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) JOHN HAZEL WORTH 305-361-5761 x 326			

## B. SCIENTIFIC CONTENT

Include enough information concerning manner of observation, instrumentation, analysis, and data reduction routines to make them understandable to future users. Furnish the minimum documentation considered relevant to each data type. Documentation will be retained as a permanent part of the data and will be available to future users. Equivalent information already available may be substituted for this section of the form (i.e., publications, reports, and manuscripts describing observational and analytical methods). If you do not provide equivalent information by attachment, please complete the scientific content section in a manner similar to the one shown in the following example.

### EXAMPLE (HYPOTHETICAL INFORMATION)

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
Salinity	‰	Nansen bottles	Inductive salinometer (Hytech model S510)	N/A (Not applicable)
		STD Bissett-Berman Model 9006	N/A	Values averaged over 5-meter intervals
Water color	Forel scale	Visual comparison with Forel bottles	N/A	N/A
Sediment size	φ units and percent by weight	Ewing corer	Standard sieves. Carbonate fraction removed by acid treatment	Same as "Sedimentary Rock Manual," Folk '65

(SPACE IS PROVIDED ON THE FOLLOWING  
TWO PAGES FOR THIS INFORMATION)

# B. SCIENCE 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
Depth	Meters	Inter Ocean		data filtered with gate and gradient filters. A quadratic polynomial is fitted to all data within 1 meter of desired depth. The data point is obtained from the polynomial. The resulting profile of 1 meter values was corrected to separately recorded water sample values
Temperature	°C	Model 513-10		
Salinity	‰	CSTD with		
Transmissivity		associated		
Oxygen	ml/l	sensors		
pH				
NO <sub>2</sub>	} μg atoms/l	water samples analyzed with a 4 channel Technicon Auto-Analyzer	see Armstrong (1967)	N A
NO <sub>3</sub>			see Grasshoff (1965)	
PO <sub>4</sub>			see Strickland & Parsons (1968)	
SiO <sub>3</sub>				
NH <sub>3</sub>		1 channel Technicon Auto-Analyzer	Strickland & Parsons (1968)	

## 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

## C. DATA FORMAT

This information is requested only for data transmitted on punched cards or magnetic tape. Have one of your data processing specialists furnish answers either on the form or by attaching equivalent readily available documentation. Identify the nature and meaning of all entries and explain any codes used.

1. List the record types contained in your file transmittal (e.g., tape label record, master, detail, standard depth, etc.).
2. Describe briefly how your file is organized.
- 3-13. Self-explanatory.
14. Enter the field name as appropriate (e.g., header information, temperature, depth, salinity).
15. Enter starting position of the field.
16. Enter field length in number columns and unit of measurement (e.g., bit, byte, character, word) in unit column.
17. Enter attributes as expressed in the programming language specified in item 3 (e.g., "F 4.1," "BINARY FIXED (5.1)").
18. Describe field. If sort field, enter "SORT 1" for first, "SORT 2" for second, etc. If field is repeated, state number of times it is repeated.

## 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

4 types of records :  
 1) header card for cruise  
 2) station card with position  
 3) meteorological data  
 4) oceanographic data

These are identified by 1, 2, 3, or 4 in column 10

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

Each file starts with one type 1 record  
 Each station consists of one type 2 record,  
 one type 3 record,  
 one type 3 terminator  
 many type 4 records  
 one type 4 terminator  
 Each file ends with a type 4 "end of file" terminator record

## 3. ATTRIBUTES AS EXPRESSED IN

☐ PL-1    ☐ ALGOL    ☐ COBOL  
☒ FORTRAN    ☐ \_\_\_\_\_ LANGUAGE

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER John Hazelwerth 305-361-5761 ext 326

ADDRESS AOML/Phol; 15 Rickenbacker Causeway; Miami, FL 33149

## COMPLETE THIS SECTION IF DATA ARE ON MAGNETIC TAPE

<b>5. RECORDING MODE</b> <input checked="" type="checkbox"/> BCD <input type="checkbox"/> BINARY <input type="checkbox"/> ASCII <input type="checkbox"/> EBCDIC <input type="checkbox"/> _____	<b>9. LENGTH OF INTER-RECORD GAP (IF KNOWN)</b> <input checked="" type="checkbox"/> 3/4 INCH <input type="checkbox"/> _____
<b>6. NUMBER OF TRACKS (CHANNELS)</b> <input checked="" type="checkbox"/> SEVEN <input type="checkbox"/> NINE <input type="checkbox"/> _____	<b>10. END OF FILE MARK</b> <input type="checkbox"/> OCTAL 17 <input checked="" type="checkbox"/> none
<b>7. PARITY</b> <input type="checkbox"/> ODD <input checked="" type="checkbox"/> EVEN	<b>11. PASTE-ON-PAPER LABEL DESCRIPTION (INCLUDE ORIGINATOR NAME AND SOME LABEL SPECIFICATIONS OF DATA TYPE, VOLUME NUMBER)</b> Vol. Ser = NYB01 (orig.) Vol. Ser = 07884 (o/c) → [QUAD]
<b>8. DENSITY</b> <input type="checkbox"/> 200 BPI <input type="checkbox"/> 1600 BPI <input type="checkbox"/> 556 BPI <input checked="" type="checkbox"/> 800 BPI <input type="checkbox"/> _____	<b>12. PHYSICAL BLOCK LENGTH IN BYTES</b> 8480 (o/c) <b>13. LENGTH OF BYTES IN BITS</b> 6

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

FINAL-USER TAPE

78-0053

TR2805 - TR2809

## 2. GIVE BRIEF DESCRIPTION OF FILE ORGANIZATION

ATTRIBUTES AS EXPRESSED IN

☐

PL-1

☐

ALGOL

☐

COBOL

☐

FORTRAN

☐

LANGUAGE.

## 4. RESPONSIBLE COMPUTER SPECIALIST:

NAME AND PHONE NUMBER

ADDRESS

752-NOAA/EDIS/NODC-2026347505  
 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)

011080  
~~011080~~ (1,5L)

## 12. PHYSICAL BLOCK LENGTH IN BYTES

80

## 13. LENGTH OF BYTES IN BITS

4800

FIELD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
<u>File Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"1" (File Header Record)
VESSEL	11	11	11A1	(left aligned)
CRUISE	22	6	6A1	Originator's cruise identifiers
CRUISE DATES	28	17	5(I2,A1), I2	XX/XX/XX-XX/XX/XX Beginning Month, Day, Year; ending Month, Day, Year.
SENIOR SCIENTIST	45	19	19A1	(left aligned)
INVESTIGATOR	64	17	17A1	Responsible Institution (left aligned)
<u>First Station Header Record</u>				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy. of file generation
RECORD TYPE	10	1	A1	"2" (First Station Header Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier.
LATITUDE	19	6	3I2	Degrees, Minutes, Seconds
LATHEM	25	1	A1	Hemisphere "N" or "S"
LONGITUDE	26	7	I3,2I2	Degrees, Minutes, Seconds
LONHEM	33	1	A1	Hemisphere "W" or "E"
TIME	34	3	I3	GMT in hours to tenths
DATE	37	8	2(I2,A1),I2	XX/XX/XX Station date; Month, Day, Year
BOTTOM	45	5	I5	Water Depth, meters to tenths
NAVIGATION	50	2	I2	(See attached codes)
METHOD	52	1	I1	(See attached codes)
blank	53	28	28X	blank



Water Physics and Chemistry . (File Type "004")

2 3

14. RECORD NAME	15. POSITION FROM - 1 MEASURED IN (e.g., bits, bytes)	16. LENGTH in bytes NUMBER	17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
Record Type "2" Terminator				Optional; for those who must re-read their file using FORTRAN.
IDENT	1	10	A3,3I2,A1	
SEQUENCE	11	3	I3	"998" (constant)
blank	14	67	67X	blank
Second Station Header Record				
FILE TYPE	1	3	A3	"004" (constant)
FILE DATE	4	6	3I2	Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1	"3" (Second Station Header Record)
SEQUENCE	11	3	I3	Sequence of this record type within Station (Leading zeros or leading blanks)
STATION	14	5	5A1	Station identifier
BAROMETER	19	3	I3	Pressure in millibars to tenths
DRY BULB	22	4	I4	Air temperature; degrees Celsius to tenths
WET BULB	26	4	I4	Air temperature; degrees Celsius to tenths
WIND DIRECTION	30	2	I2	WMO code 0877; tens of degrees
WIND SPEED	32	2	I2	Knots
SEA DIRECTION	34	2	I2	WMO code 0885; tens of degrees
SEA HEIGHT	36	1	A1	WMO code 1555
SWELL DIRECTION	37	2	I2	WMO code 0885
SWELL HEIGHT	39	1	A1	WMO code 1555
WEATHER	40	1	I1	WMO code 4501
CLOUD TYPE	41	1	A1	WMO code 0500
CLOUD COVER	42	1	I1	WMO code 2700
VISIBILITY	43	1	I1	WMO code 4300
TRANSPARENCY	44	4	I4	SECCHI Disk Depth; meters to tenths
TURBIDITY CODE	48	1	I1	(see attached codes)
blank	49	32	32X	blank

14. FIELD NAME	15. POSITION FROM - 1 MEASURED IN	16. LENGTH in bytes		17. ATTRIBUTES (FORTRAN)	18. USE AND MEANING
	(e.g., bits, bytes)	NUMBER			
<b>Record Type "3" Terminator</b>					
IDENT	1	10	A3,3I2,A1		Optional for those who must re-read their files in FORTRAN.
SEQUENCE	11	3	I3		Same as "Second Station Header Record"
blank	14	67	67X		"998" (constant) blank
<b>Data Record</b>					
FILE TYPE	1	3	A3		"004" (constant)
FILE DATE	4	6	3I2		Yr., Mo., Dy., of file generation
RECORD TYPE	10	1	A1		"4" (Data Record)
SEQUENCE	11	3	I3		Sequence of this record type within Station. (Leading zeros or leading blanks)
STATION	14	5	5A1		Station identifier
DEPTH	19	4	I4		Sample depth, meters to tenths
TEMPERATURE	23	5	I5		Water temp.; degrees Celsius to thousandths
SALINITY	28	5	I5		Salinity; parts per thousand to thousandths
SIGMA-T	33	4	I4		Sigma-t to hundredths
TRANSMISSIVITY	37	3	I3		Transmissivity; percent to tenths
PH	40	3	I3		pH to hundredths
EH	43	4	I4		Eh to hundredths
OXYGEN	47	4	I4		Dissolved; hundredths of ml./liter
AMMONIA	51	3	I3		Tenths of microgram (µg)-atoms/liter
NITRITE	54	3	I3		Hundredths of µg-atoms/liter
NITRATE	57	4	I4		Hundredths of µg-atoms/liter
SILICATE	61	4	I4		Hundredths of µg-atoms/liter
PHOSPHATE	65	3	I3		Inorganic; hundredths of µg-atoms/liter
SOLIDS	68	4	I4		Suspended solids in hundredths of mg./liter
TURBIDITY	72	4	I4		Turbidity; in hundredths of mg./liter
CHLOROPHYLL	76	5	I5		Chlorophyll; in hundredths of mg./meter <sup>3</sup>
<b>Record Type "4" Terminator</b>					
IDENT	1	10	A3,3I2,A1		Optional; for those who must re-read their file using FORTRAN.
SEQUENCE	11	3	I3		Same as "Data Record"
blank	14	67	67X		"998" = end station. "999" = end file blank

## D. INSTRUMENT CALIBRATION

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

INSTRUMENT TYPE (MFR., MODEL NO.)	DATE OF LAST CALIBRATION	INSTRUMENT WAS CALIBRATED BY		CHECK ONE: INSTRUMENT IS CALIBRATED					INSTRUMENT IS NOT CALI- BRATED  (✓)
		YOUR ORGANIZATION (✓)	OTHER ORGANIZATION (GIVE NAME)	AT FIXED INTERVALS (✓)	BEFORE OR AFTER USE (✓)	BEFORE AND AFTER USE (✓)	ONLY AFTER REPAIR (✓)	ONLY WHEN NEW (✓)	
Inter Ocean Model 513-10	NA	✓			✓ before				
CSTD	NA	✓			✓ before				
ADDED SENSORS: TRANSMISSIVITY	NA								✓
O <sub>2</sub>	NA	✓			✓ before				
PH	NA	✓			✓ before				
Tech nicon Auto Analyser	NA	✓				✓			

Special Codes

Water Physics and Chemistry

NAVIGATION

- 01 = Loran (mixed or unspecified)
- 02 = Radar and/or fixes
- 03 = Raydist without complications
- 04 = Raydist with errors, drifting, etc.
- 05 = Satellite
- 06 = Omega
- 07 = Loran A only
- 08 = Loran C only

TURBIDITY CODE

- 1 = Turbidometer; in JTU
- 2 = Transmissometer; in percent of light transmission over a 10 cm. path,
- 3 = Fluorometer; suspended solids calibration

METHOD CODE

- 1 = STD (Salinity, Temperature, and Depth recorder)
- 2 = XBT (Expendable Bathythermograph)
- 3 = Nansen Cast
- 4 = MBT (Mechanical Bathythermograph)

2-20-76

TABLE 21

## Present Weather

WMO Code 4501 for recording present weather

Code  
figure

- 0 Clear (no cloud at any level)
- 1 Partly cloudy (scattered or broken)
- 2 Continuous layer(s) of cloud(s)
- 3 Sandstorm, duststorm, or blowing snow
- 4 Fog, thick dust or haze
- 5 Drizzle
- 6 Rain
- 7 Snow, or rain and snow mixed
- 8 Shower(s)
- 9 Thunderstorm(s)

3-31-76

TABLE 27

## Visibility

WMO Code 4300 for recording visibility at surface

Code

- 0 Less than 50 metres (less than 55 yards)
- 1 50-200 metres (approx. 55-220 yards)
- 2 200-500 metres (approx. 220-550 yards)
- 3 500-1,000 metres (approx. 550 yards-5/8 n.m.)
- 4 1- 2 km (approx. 5/8-1 n.m.)
- 5 2- 4 km (approx. 1- 2 n.m.)
- 6 4-10 km (approx. 2- 6 n.m.)
- 7 10-20 km (approx. 6-12 n.m.)
- 8 20-50 km (approx. 12-30 n.m.)
- 9 50 km or more (30 n.m. or more)

TABLE 25

## Cloud Type (Genus)

WMO Code 0500 for recording cloud type (genus)

## Code

0	Cirrus . . . . .	Ci
1	Cirrocumulus . . . . .	Cc
2	Cirrostratus . . . . .	Cs
3	Alto cumulus . . . . .	Ac
4	Altostratus . . . . .	As
5	Nimbostratus . . . . .	Ns
6	Stratocumulus . . . . .	Sc
7	Stratus . . . . .	St
8	Cumulus . . . . .	Cu
9	Cumulonimbus . . . . .	Cb
x	Cloud not visible owing to darkness, fog, duststorm, sandstorm, or other analogous phenomena	

TABLE 26

## Cloud Amount

WMO Code 2700 for recording cloud amount

## Code

0	0	0
1	1 okta or less, but not zero	$\frac{1}{10}$ or less, but not zero
2	2 oktas	$\frac{2}{10} - \frac{3}{10}$
3	3 oktas	$\frac{4}{10}$
4	4 oktas	$\frac{5}{10}$
5	5 oktas	$\frac{6}{10}$
6	6 oktas	$\frac{7}{10} - \frac{8}{10}$
7	7 oktas or more, but not 8 oktas	$\frac{9}{10}$ or more, but not $\frac{10}{10}$
8	8 oktas	$\frac{10}{10}$
9	Sky obscured, or cloud amount cannot be estimated	

TABLE 10

## Height

WMO Code 1555 for recording height of the dominant waves

Code		Code	If 50 is added to direction
0	Less than $\frac{1}{4}$ m (1 ft)	0	5 m (16 ft)
1	$\frac{1}{2}$ m (1 $\frac{1}{2}$ ft)	1	5 $\frac{1}{2}$ m (17 $\frac{1}{2}$ ft)
2	1 m (3 ft)	2	6 m (19 ft)
3	1 $\frac{1}{2}$ m (5 ft)	3	6 $\frac{1}{2}$ m (21 ft)
4	2 m (6 $\frac{1}{2}$ ft)	4	7 m (22 $\frac{1}{2}$ ft)
5	2 $\frac{1}{2}$ m (8 ft)	5	7 $\frac{1}{2}$ m (24 ft)
6	3 m (9 $\frac{1}{2}$ ft)	6	8 m (25 $\frac{1}{2}$ ft)
7	3 $\frac{1}{2}$ m (11 ft)	7	8 $\frac{1}{2}$ m (27 ft)
8	4 m (13 ft)	8	9 m (29 ft)
9	4 $\frac{1}{2}$ m (14 ft)	9	9 $\frac{1}{2}$ m (30 $\frac{1}{2}$ ft)
x	Height not determined		

## Notes :

- (1) Each code figure provides for reporting a range of heights. For example: 1 =  $\frac{1}{4}$  m (1 ft) to  $\frac{3}{4}$  m (2  $\frac{1}{2}$  ft); 5 = 2  $\frac{1}{4}$  m (7 ft) to 2  $\frac{3}{4}$  m (9 ft); 9 = 4  $\frac{1}{4}$  m (13  $\frac{1}{2}$  ft) to 4  $\frac{3}{4}$  m (15 ft), etc.
- (2) If a wave height comes exactly midway between the heights corresponding to two code figures, the lower code figure is reported; e.g. a height of 2  $\frac{3}{4}$  m is reported by code figure 5.
- (3) In aeronautical forecast codes, only the left-hand table is to be used, and code figure 9 has the meaning: 4  $\frac{1}{2}$  m (14 ft) or more.
- (4) The average value of the wave height (vertical distance between trough and crest) is reported, as obtained from the larger well formed waves of the wave system being observed.

TABLE 8

## Direction

In tens of degrees from which waves and/or winds  
are coming

Code		Code	
00	Calm (no waves - no motion)	22	215° - 224°
01	5° - 14°	23	225° - 234°
02	15° - 24°	24	235° - 244°
03	25° - 34°	25	245° - 254°
04	35° - 44°	26	255° - 264°
05	45° - 54°	27	265° - 274°
06	55° - 64°	28	275° - 284°
07	65° - 74°	29	285° - 294°
08	75° - 84°	30	295° - 304°
09	85° - 94°	31	305° - 314°
10	95° - 104°	32	315° - 324°
11	105° - 114°	33	325° - 334°
12	115° - 124°	34	335° - 344°
13	125° - 134°	35	345° - 354°
14	135° - 144°	36	355° - 4°
15	145° - 154°		
16	155° - 164°	49	Waves confused, direction indeterminate (waves equal to or less than $4\frac{3}{4}$ metres)
17	165° - 174°		
18	175° - 184°		
19	185° - 194°		
20	195° - 204°		
21	205° - 214°	99	Waves confused, direction indeterminate (waves greater than $4\frac{3}{4}$ metres) Winds variable, or all directions or unknown

Table 8 is a combination of WMO Codes 0885 and 0877.





UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
ENVIRONMENTAL DATA SERVICE  
Washington, D.C. 20235  
National Oceanographic Data Center

Date :  
To : D781  
From : D752 *WZ 11*  
Subject : Error Correction in Processing of  
Data Set - Accession # 78-0053

- 1) File Type: \*004
- 2) Project Ident.: N.Y. Bight
- 3) Track Nos.: TR2805-9

I. Error corrections as reported to Principal Investigator:

II. Additional error corrections:

*Duplicate Station NOS.  
changed to*

*\* see attached sheet.*

III. Processor name: J. B. Ridley



78-0053

## CORRECTIONS

I. Duplicate Station Numbers - Eleven (11) stations were duplicated; duplicates were re-numbered.

Old STA. NO.

NEW STA. NO.

13011

13A11

13013

13A13

13017

13A17

13021

13A21

13023

13A23

13084

13A84

13085

13A85

13120

13A20

13121

13B21

14-13

14A13

16085

16A85

II. Latitude + Longitude (Seconds) - had values of 60 to 90.

a. Changed values ranging from 60 to 90 to 36, 42, 48, 54.

III. Station numbers changed without master record - stations 13060, 13061

a). 13060 had 13061 on record type 3.  
b). 13061 had 13060 on record type

These were corrected to agree with master record (type 2) and record type 4.

IV. Record type 2, cols. 53-80 not blank

a). moved values in 50-53 to 50-52.

V. Deleted record type terminators following record types 3 & 4.

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
7800053	F004	TR2805	0065	311A	31KE	1977/04/28	NULL	306426
7800053	F004	TR2806	0065	3100	31KE	1977/05/31	NULL	306427
7800053	F004	TR2807	0065	3100	31KE	1977/06/27	NULL	306428
7800053	F004	TR2808	0065	3100	31KE	1977/08/01	NULL	306429
7800053	F004	TR2809	0065	3100	31KE	1977/10/11	NULL	306430

(5 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
-----	-----	-----	-----	-----	-----	-----	-----
7800053	F004	TR2805	31KE	79	3798	77/04/28	77/05/06
7800053	F004	TR2806	31KE	100	4482	77/05/31	77/06/08
7800053	F004	TR2807	31KE	51	1713	77/06/27	77/07/01
7800053	F004	TR2808	31KE	88	4040	77/08/01	77/08/09
7800053	F004	TR2809	31KE	53	2348	77/10/11	77/10/19

(5 rows affected)